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REVIEWED
By Nelson Velez at 9:28 am, Dec 12, 2022

March 3, 2022

Mr. Bradford Billings
EMNRD/OCD
5200 Oakland , NE, Suite 100
Albuquerque, NM 87113

Re: Former Eunice North Gas Plant
2021 Annual Groundwater Monitoring Report
Eunice, Lea County, New Mexico

Review of 2021 Annual GW Monitoring Report: **Content satisfactory**

1. Continue semi-annual groundwater monitoring as described in Summary section of report.
2. Recover LNAPL using hand bailing techniques when observed in thicknesses greater than 0.1 feet
3. Submit the Annual Monitoring Report to the NMOCD no later than March 31, 2023.

Dear Mr. Billings,

Please find enclosed the 2021 Annual Groundwater Monitoring Report, prepared for the Former Eunice North Gas Plant, in Eunice, New Mexico.

The Groundwater Monitoring 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

cc Amy Barnhill, Chevron/MCBU

ARCADIS

Chevron Environmental Management Company

2021 ANNUAL GROUNDWATER MONITORING REPORT

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

03 March 2022

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Steve Rice
Client Program Manager

Sonja Zabienski
Project Manager

2021 ANNUAL GROUNDWATER MONITORING REPORT

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

Prepared for:
Chevron Environmental Management Company

Prepared by:
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Our Ref.:
30109021

Date:
March 3, 2022

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Appendix A Site Background Information

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Appendix D Laboratory Analytical Reports and Data Validation Review

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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
NMWQCC	New Mexico Water Quality Control Commission
report	2021 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

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1 INTRODUCTION

On behalf of Chevron Environmental Management Company, Arcadis U.S., Inc. (Arcadis) prepared this 2021 Annual Groundwater Monitoring Report (report) to summarize semiannual groundwater monitoring activities conducted in 2021 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 March and October 2021.

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. 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). 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 2021 groundwater monitoring activities. Arcadis performed semiannual groundwater sampling events on March 8 through 22 and October 11 through 12, 2021.

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 March and October 2021 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 2021 elevations is shown on **Figure 3**. During the spring event, 76 out of 80 wells were gauged; four wells (MW016A, MW044, MW053SA, and MW078SA) were not accessible for gauging (**Table 1**). Groundwater elevation data for the sampling events are presented in **Table 4,** with historical groundwater elevations presented in **Appendix C**.

Data collected during the 2021 semiannual monitoring events indicate the following:

- Groundwater elevations ranged from 3353.01 feet above mean sea level (amsl; MW072SA) to 3389.87 feet amsl (MW061) during the March 2021 semiannual gauging event.
- Groundwater elevation ranged from 3,352.63 feet amsl (MW072SA) to 3,389.29 feet amsl (MW070) during the October 2021 semiannual gauging event.
- Groundwater elevations during the 2021 period appear to be consistent with historical levels, with groundwater flow to the northeast.
- Groundwater elevation data for the sampling events are presented in **Table 4**, with historical elevation data provided in **Appendix C**. The annual groundwater potentiometric surface map for March 2021 is shown on **Figure 3**.

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- The calculated average gradient is approximately 0.005 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.
- LNAPL was measured in MW006 during the spring monitoring event at a thickness of 0.12 foot and in MW006 and MW076SA at a thickness of 0.12 foot and 0.03 foot during the fall monitoring event in 2021. LNAPL has been intermittently measured in MW006 since 2012, with thicknesses ranging from sheen observations to 3.55 feet. 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 MW005 and MW006 since the excavation, and unspecified LNAPL remediation and recovery was performed from 2004 to 2011. There have not been any historical detections of LNAPL at MW076SA. Gauging and sampling will continue at this location in spring and fall 2022 to monitor any changes in LNAPL detection and thickness.

2.3 Groundwater Analytical Results

In 2021, groundwater samples were collected from 75 wells during the spring monitoring event and from 29 wells during the fall monitoring event. According to the Sampling and Analysis Plan (Arcadis 2020), 80 wells were planned to be sampled during the spring event and 32 were planned to be sampling during the fall 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, five wells were not sampled that were included in the sampling plan (**Table 1**), for the following reasons:

- *MW006*. LNAPL was present in the monitoring well during spring and fall.
- *MW016A, MW053SA, and MW078SA*. These monitoring wells were inaccessible due to a locked gate.
- *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 2021 were compared to the New Mexico Water Quality Control Commission (NMWQCC) 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, Xylenes, and Total Petroleum Hydrocarbons

Groundwater samples collected from six well locations during the spring 2021 monitoring event and two locations during the fall 2021 monitoring event were analysed by United States Environmental Protection Agency (USEPA) Methods 8021B for BTEX and 8015B for DRO and GRO (**Table 1**). Neither of the

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locations sampled during the spring and fall 2021 monitoring event exceeded the NMWQCC for BTEX. There are no NMWQCC 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 75 wells during the spring monitoring event and from 29 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 2021 monitoring events, respectively. Results are summarized as follows:

- *Chloride.* The NMWQCC standard of 250 mg/L was exceeded at 64 of 75 locations, with a maximum concentration of 8,610 mg/L (MW069) in spring 2021. The NMWQCC standard was exceeded at 25 of 29 locations with a maximum concentration of 6,970 mg/L (MW068) in fall 2021.
- *TDS.* The NMWQCC standard of 1,000 mg/L was exceeded at 54 of 75 locations, with a maximum concentration of 15,100 mg/L (MW069) in spring 2021. The NMWQCC standard was exceeded at 28 of 29 locations with a maximum concentration of 14,200 mg/L (MW015A) in fall 2021.

Results for the spring and fall 2021 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 75 well locations in spring 2021 and 29 well locations in fall 2021 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 NMWQCC standard of 0.01 mg/L was exceeded at in 48 of 75 locations in spring 2021, with a maximum concentration of 0.0578 mg/L (MW037). The NMWQCC standard was exceeded at 9 of 29 locations in fall 2021, with a maximum concentration of 0.0164 J[1] mg/L (MW011A).
- *Dissolved total chromium*. The NMWQCC standard of 0.05 mg/L was exceeded in 35 of 75 locations, with a maximum concentration of 3.83 D[2] [4.03 D] mg/L (MW095) in spring 2021. The NMWQCC standard was exceeded at 15 of 29 locations, with a maximum concentration of 3.73 [3.54] mg/L (MW095) in fall 2021[3]. **Figures 6** and **7** show dissolved chromium isoconcentrations during the spring and fall 2021 events, respectively.
- *Dissolved hexavalent chromium*. The NMWQCC standard of 0.05 mg/L was exceeded in 29 of 75 locations, with a maximum concentration of 3.93 mg/L (MW058) in spring 2021. The NMWQCC

[1] J qualifier indicated that the value is estimated.
[2] D qualifier indicated that the concentration is based on a diluted sample analysis.
[3] Field duplicate results are presented in brackets.

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standard was exceeded at 13 of 29 locations, with a maximum concentration of 3.99 [3.71] mg/L (MW095) in fall 2021. **Figures 8** and **9** show dissolved hexavalent chromium isoconcentrations during the spring and fall 2021 events, respectively.

- *Dissolved iron*. The NMWQCC standard of 1 mg/L was exceeded in 9 of 75 locations, with a maximum concentration of 50.3 D mg/L (MW008M) in spring 2021. The NMWQCC standard was not exceeded during the fall 2021 monitoring event.
- *Dissolved manganese*. The NMWQCC standard of 0.2 mg/L was exceeded in 13 of 75 wells, with a maximum concentration of 8.12 D mg/L (IW010) in spring 2021.[4] The NMWQCC standard was exceeded at 4 of 29 locations, with a maximum concentration of 0.742 mg/L (MW068) in fall 2021.

Analytical results for the spring and fall 2021 sampling events are presented in **Tables 7** and **8**, respectively. Historical results are provided in **Appendices E** and **F**.

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.

[4] D qualifier indicates that the sample was diluted for analysis.

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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 MW094, located at the southwestern plume fringe, has had dissolved chromium concentrations that have ranged between 0.535 mg/L (October 2021) 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.
  - MW058 dissolved chromium concentrations have ranged between 2.46 mg/L (May 2016) and 3.64 mg/L (March 2021) 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.
  - MW013 dissolved chromium concentrations have ranged between 0.536 mg/L (October 2021) and 2.54 mg/L (April 2019) and indicate a statistically significant increasing trend. The concentration trends for MW013 are provided in **Appendix G**, **Figure G-3**. All concentrations since HS sampling began have exceeded the NMWQCC groundwater standard for dissolved chromium.
- Eastern plume (downgradient; offsite):
  - MW041A concentrations have remained stable between 0.189 mg/L (May 2016) and 0.213 mg/L (March 2021). The concentration trends for MW041A are provided in **Appendix G**, **Figure G-4**. All concentrations since HS sampling began have exceeded the NMWQCC groundwater standard for dissolved chromium.
  - 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 MW051SA are provided in **Appendix G**, **Figure G-5**. All concentrations since May 2017 have exceeded the NMWQCC groundwater standard for dissolved chromium.
  - In 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 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 2021).
  - In 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

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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 2021).

Assumed source area concentrations in the southwestern plume fringe are stable to decreasing near MW094 and may potentially be migrating downgradient within the existing plume to the areas represented by MW058 and MW013 given the direction of groundwater flow. Concentrations are remaining stable near MW041A and decreasing at local hotspots (MW051SA) within the plume core, downgradient of the Site. Increasing chromium concentrations at the leading edge (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 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 variable, but concentrations appear to have stabilized since increasing in April 2019. The concentration trends for MW069 are provided in **Appendix G**, **Figure G-9**. All concentrations have exceeded the NMWQCC groundwater standard for chloride.
  - MW094 chloride concentrations have ranged between 854 mg/L (March 2021) and 1,130 mg/L (May 2016) and indicate a statistically significant decreasing trend. The concentration trends for MW094 are provided in **Appendix G**, **Figure G-10**. All results since HS sampling began have exceeded the NMWQCC groundwater standard for chloride.
  - MW032, located on the southern-most plume fringe, chloride concentrations ranged between 231 mg/L (May 2016) and 428 mg/L (October 2019). The concentration trends for MW032 are provided in **Appendix G**, **Figure G-11**. Chloride concentrations indicate a statistically significant increasing trend over the analysis period. However, concentrations appear to be decreasing since October 2019.
  - MW058 chloride concentrations have remained stable between 995 J mg/L (May 2017) and 1,330 mg/L (March 2021). The concentration trends for MW058 are provided in **Appendix G**, **Figure G-12.** All concentrations since HS sampling began have exceeded the NMWQCC groundwater standard chloride.
  - 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 MW013 are provided in **Appendix G**, **Figure G-13**. All results have exceeded the NMWQCC groundwater standard for chloride.
- Onsite plume:
  - MW047 chloride concentrations were between 241 mg/L (October 2021) and 498 mg/L (May 2017) and indicate a statistically significant decreasing trend. The concentration trends for

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MW047 are provided in **Appendix G**, **Figure G-14**. All results have exceeded the NMWQCC groundwater standard for chloride.

- Eastern plume (offsite):
  - MW041A chloride concentrations have remained stable between 377 mg/L (September 2017) and 488 mg/L (October 2019). The concentration trends for MW041A are provided in **Appendix G**, **Figure G-15**. All results have exceeded the NMWQCC groundwater standard for chloride.
  - 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 MW051SA are provided in **Appendix G**, **Figure G-16**. All results since HS sampling began have exceeded the NMWQCC groundwater standard for chloride.
  - In 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 MW085SA are provided in **Appendix G**, **Figure G-17**. All concentrations have exceeded the NMWQCC groundwater standard for chloride.
  - In 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). Mann-Kendall trend analysis indicates a statistically significant increasing trend; however, concentrations have decreased since reaching a maximum in October 2019. The concentration trends for MW073SA are provided in **Appendix G**, **Figure G-18**. Chloride concentrations have exceeded the NMWQCC groundwater standard since September 2018.
  - MW086SA chloride concentrations have ranged between 916 mg/L (September 2020) 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 MW086SA are provided in **Appendix G**, **Figure G-19**. All concentrations have exceeded the NMWQCC groundwater standard for chloride.
  - MW100, located on the northern-most downgradient plume fringe, chloride concentrations have ranged from 667 J mg/L (September 2017) and 1,070 J mg/L (March 2020). Mann-Kendall trend analysis indicates a statistically significant increasing trend. The concentration trends for MW100 are provided in **Appendix G**, **Figure G-20**. All concentrations have exceeded the NMWQCC standard for chloride.

Variable trend directions indicated at the assumed upgradient source area represented by 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 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 MW086SA but increasing

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trends at the southeastern edge (MW073SA) and northern edge (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 2021 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 (MW085SA). Concentration trends for the chloride plume indicate that the central and onsite plume area is stable; 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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4 REFERENCES

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TABLES

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Table 1
Summary of 2021 Groundwater Monitoring
2021 Annual Groundwater Monitoring Report
Former Eunice North 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)	TDS (2540C)	Notes
IW003	x/--	x/--	--/--	--/--	--/--	x/--	x/--	x/--	x/--	
IW008	x/--	x/--	--/--	--/--	--/--	x/--	x/--	x/--	x/--	
IW010	x/--	x/--	--/--	--/--	--/--	x/--	x/--	x/--	x/--	
IW019	x/--	x/--	x/--	x/--	x/--	x/--	x/--	x/--	x/--	
IW023	x/--	x/--	--/--	--/--	--/--	x/--	x/--	x/--	x/--	
IW024	x/--	x/--	--/--	--/--	--/--	x/--	x/--	x/--	x/--	
MW001	x/--	x/--	x/--	x/--	x/--	x/--	x/--	x/--	x/--	
MW002A	x/x	x/--	--/--	--/--	--/--	x/--	x/--	x/--	x/--	
MW004A	x/x	x/--	--/--	--/--	--/--	x/--	x/--	x/--	x/--	
MW006	x/x	(x)/(x)	(x)/(x)	(x)/(x)	(x)/(x)	(x)/(x)	(x)/(x)	(x)/(x)	(x)/(x)	LNAPL
MW007A	x/x	x/x	--/--	--/--	--/--	x/x	x/x	x/x	x/x	
MW008M	x/x	x/--	--/--	--/--	--/--	x/--	x/--	x/--	x/--	
MW010	x/x	x/--	--/--	--/--	--/--	x/--	x/--	x/--	x/--	
MW011A	x/x	x/x	--/--	--/--	--/--	x/x	x/x	x/x	x/x	
MW012M	x/x	x/--	--/--	--/--	--/--	x/--	x/--	x/--	x/--	
MW013	x/x	x/x	--/--	--/--	--/--	x/x	x/x	x/x	x/x	
MW015A	x/x	x/x	--/--	--/--	--/--	x/x	x/x	x/x	x/x	
MW016A	(x)/x	(x)/x	--/--	--/--	--/--	(x)/x	(x)/x	(x)/x	(x)/x	No access -- gate locked
MW018	x/x	x/x	--/--	--/--	--/--	x/x	x/x	x/x	x/x	
MW019A	x/x	x/--	--/--	--/--	--/--	x/--	x/--	x/--	x/--	
MW020A	x/x	x/--	--/--	--/--	--/--	x/--	x/--	x/--	x/--	
MW021A	x/x	x/--	--/--	--/--	--/--	x/--	x/--	x/--	x/--	
MW023	x/x	x/x	--/--	--/--	--/--	x/x	x/x	x/x	x/x	
MW024A	x/x	x/--	--/--	--/--	--/--	x/--	x/--	x/--	x/--	
MW026	x/x	x/--	--/--	--/--	--/--	x/--	x/--	x/--	x/--	
MW027	x/x	x/--	--/--	--/--	--/--	x/--	x/--	x/--	x/--	
MW030	x/x	x/--	--/--	--/--	--/--	x/--	x/--	x/--	x/--	
MW031	x/--	x/--	--/--	--/--	--/--	x/--	x/--	x/--	x/--	
MW032	x/x	x/x	--/--	--/--	--/--	x/x	x/x	x/x	x/x	
MW037	x/--	x/--	x/--	x/--	x/--	x/--	x/--	x/--	x/--	
MW040A	x/x	x/--	--/--	--/--	--/--	x/--	x/--	x/--	x/--	
MW041A	x/--	x/--	--/--	--/--	--/--	x/--	x/--	x/--	x/--	
MW043	x/x	x/x	x/x	x/x	x/x	x/x	x/x	x/x	x/x	
MW044	(x)/--	(x)/--	(x)/--	(x)/--	(x)/--	(x)/--	(x)/--	(x)/--	(x)/--	No access -- well buried under road
MW045	x/--	x/--	x/--	x/--	x/--	x/--	x/--	x/--	x/--	
MW046A	x/x	x/x	x/x	x/x	x/x	x/x	x/x	x/x	x/x	
MW047	x/x	x/x	--/--	--/--	--/--	x/x	x/x	x/x	x/x	
MW048SA	x/x	x/--	--/--	--/--	--/--	x/--	x/--	x/--	x/--	
MW049SA	x/x	x/x	--/--	--/--	--/--	x/x	x/x	x/x	x/x	
MW050SA	x/x	x/x	--/--	--/--	--/--	x/x	x/x	x/x	x/x	
MW051SA	x/x	x/--	--/--	--/--	--/--	x/--	x/--	x/--	x/--	
MW052SA	x/x	x/--	--/--	--/--	--/--	x/--	x/--	x/--	x/--	
MW053SA	(x)/x	(x)/(x)	--/--	--/--	--/--	(x)/(x)	(x)/(x)	(x)/(x)	(x)/(x)	No access -- gate locked

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Released to Imaging: 12/12/2022 10:42:57 AM

Received by OCD: 3/21/2022 2:39:57 PM

ARCADIS

Table 1
Summary of 2021 Groundwater Monitoring
2021 Annual Groundwater Monitoring Report
Former Eunice North 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)	TDS (2540C)	Notes
MW054SA	x/x	x/x	--/--	--/--	--/--	x/x	x/x	x/x	x/x	
MW055SA	x/x	x/--	--/--	--/--	--/--	x/--	x/--	x/--	x/--	
MW056SA	x/x	x/x	--/--	--/--	--/--	x/x	x/x	x/x	x/x	
MW057SA	x/x	x/x	--/--	--/--	--/--	x/x	x/x	x/x	x/x	
MW058	x/x	x/--	--/--	--/--	--/--	x/--	x/--	x/--	x/--	
MW059	x/x	x/--	--/--	--/--	--/--	x/--	x/--	x/--	x/--	
MW060	x/x	x/--	--/--	--/--	--/--	x/--	x/--	x/--	x/--	
MW061	x/x	x/x	--/--	--/--	--/--	x/x	x/x	x/x	x/x	
MW062A	x/x	x/--	--/--	--/--	--/--	x/--	x/--	x/--	x/--	
MW063A	x/x	x/--	--/--	--/--	--/--	x/--	x/--	x/--	x/--	
MW065SA	x/x	x/--	--/--	--/--	--/--	x/--	x/--	x/--	x/--	
MW066SA	x/x	x/--	--/--	--/--	--/--	x/--	x/--	x/--	x/--	
MW067SA	x/x	x/x	--/--	--/--	--/--	x/x	x/x	x/x	x/x	
MW068	x/x	x/x	--/--	--/--	--/--	x/x	x/x	x/x	x/x	
MW069	x/x	x/x	--/--	--/--	--/--	x/x	x/x	x/x	x/x	
MW070	x/x	x/x	--/--	--/--	--/--	x/x	x/x	x/x	x/x	
MW071SA	x/x	x/--	--/--	--/--	--/--	x/--	x/--	x/--	x/--	
MW072SA	x/x	x/--	--/--	--/--	--/--	x/--	x/--	x/--	x/--	
MW073SA	x/x	x/x	--/--	--/--	--/--	x/x	x/x	x/x	x/x	
MW074SA	x/x	x/--	--/--	--/--	--/--	x/--	x/--	x/--	x/--	
MW075SA	x/x	x/x	--/--	--/--	--/--	x/x	x/x	x/x	x/x	
MW076SA	x/x	x/--	--/--	--/--	--/--	x/--	x/--	x/--	x/--	
MW078SA	(x)/(x)	(x)/(x)	--/--	--/--	--/--	(x)/(x)	(x)/(x)	(x)/(x)	(x)/(x)	Hydrasleeve dry / No access -- gate locked
MW079SA	x/x	x/--	--/--	--/--	--/--	x/--	x/--	x/--	x/--	
MW084SA	x/x	x/x	--/--	--/--	--/--	x/x	x/x	x/x	x/x	
MW085SA	x/x	x/x	--/--	--/--	--/--	x/x	x/x	x/x	x/x	
MW086SA	x/x	x/x	--/--	--/--	--/--	x/x	x/x	x/x	x/x	
MW087A	x/x	x/--	--/--	--/--	--/--	x/--	x/--	x/--	x/--	
MW088M	x/x	x/--	--/--	--/--	--/--	x/--	x/--	x/--	x/--	
MW089SA	x/--	x/--	--/--	--/--	--/--	x/--	x/--	x/--	x/--	
MW090SA	x/--	x/--	--/--	--/--	--/--	x/--	x/--	x/--	x/--	
MW093SA	x/x	x/x	--/--	--/--	--/--	x/x	x/x	x/x	x/x	
MW094	x/x	x/--	--/--	--/--	--/--	x/--	x/--	x/--	x/--	
MW095	x/x	x/x	--/--	--/--	--/--	x/x	x/x	x/x	x/x	
MW097P	x/--	x/--	--/--	--/--	--/--	x/--	x/--	x/--	x/--	
MW099	x/x	x/--	--/--	--/--	--/--	x/--	x/--	x/--	x/--	
MW100	x/x	x/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

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Table 2
Spring 2021 Field Parameters
2021 Annual Groundwater Monitoring Report
Former Eunice North 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
IW003	3/10/2021	2.34	-84	6.75	2.89	21.88	3.1
IW008	3/12/2021	2.09	-31	6.76	3.96	20.11	80.6
IW010	3/11/2021	2.53	-16	6.56	5.55	20.06	7.4
IW019	3/12/2021	1.13	153	6.58	4.25	22.45	3.0
IW023	3/9/2021	3.08	189	6.82	3.97	23.06	49.4
IW024	3/12/2021	2.27	210	6.65	4.92	21.08	11.4
MW001	3/12/2021	0.43	-22	6.69	3.02	24.82	16.4
MW002A	3/12/2021	1.19	100	6.95	4.88	22.62	2.0
MW004A	3/12/2021	1.66	-136	7.08	2.81	22.06	1.6
MW007A	3/11/2021	5.73	50	6.99	3.91	25.64	0.6
MW008M	3/11/2021	1.20	155	6.37	6.49	24.02	21.8
MW010	3/10/2021	2.15	177	6.75	7.39	20.65	11.9
MW011A	3/12/2021	1.25	208	7.08	2.24	20.69	0.8
MW012M	3/11/2021	2.70	-80	6.70	4.91	20.44	24.1
MW013	3/10/2021	3.90	198	7.11	3.61	23.21	15.4
MW015A	3/10/2021	1.07	-6	5.67	9.31	22.17	5.7
MW018	3/10/2021	4.94	148	7.13	1.70	19.96	17.6
MW019A	3/16/2021	7.12	-51	7.22	1.23	19.53	4.6
MW020A	3/10/2021	3.48	-51	7.07	4.05	18.06	1.4
MW021A	3/10/2021	3.53	217	669	8.70	16.47	0.4
MW023	3/11/2021	7.80	210	6.93	4.37	17.76	6.0
MW024A	3/10/2021	3.41	127	7.20	3.71	22.27	3.3
MW026	3/11/2021	4.74	134	7.25	0.891	21.74	2.4
MW027	3/11/2021	4.08	213	7.06	2.14	22.33	5.4
MW030	3/11/2021	6.21	110	7.46	1.01	21.01	3.3
MW031	3/10/2021	1.85	-24	6.92	1.77	24.89	74.4
MW032	3/12/2021	3.93	202	7.01	2.04	21.38	4.8
MW037	3/12/2021	0.88	-99	6.52	2.62	25.91	5.2
MW040A	3/10/2021	7.76	153	7.64	0.999	21.21	2.9
MW041A	3/9/2021	2.28	220	6.97	2.47	21.94	0.0
MW043	3/12/2021	0.72	-20	6.55	3.58	24.17	2.7
MW045	3/12/2021	0.95	208	6.76	1.83	24.36	0.0
MW046A	3/12/2021	2.20	185	7.17	3.48	24.32	3.4
MW047	3/11/2021	3.95	181	6.98	2.36	24.42	2.1
MW048SA	3/9/2021	3.66	229	6.96	3.04	21.38	22.2
MW049SA	3/9/2021	2.73	232	6.93	4.34	21.45	8.9
MW050SA	3/10/2021	3.10	205	6.83	4.49	18.77	1.6
MW051SA	3/10/2021	2.58	242	6.71	4.74	20.14	4.0
MW052SA	3/10/2021	3.12	207	6.84	4.92	17.38	41.8
MW054SA	3/10/2021	3.83	234	6.97	3.41	20.84	13.1
MW055SA	3/9/2021	4.70	223	7.12	3.00	23.33	2.5
MW056SA	3/9/2021	2.69	238	6.87	4.92	21.54	11.1
MW057SA	3/9/2021	4.35	242	7.13	1.78	21.76	11.3
MW058	3/12/2021	3.43	209	6.95	5.33	19.67	9.3
MW059	3/10/2021	4.17	185	6.99	4.58	23.23	146
MW060	3/10/2021	2.09	-59	6.79	5.09	24.19	3.6
MW061	3/11/2021	1.20	155	6.97	5.24	24.02	21.8
MW062A	3/10/2021	3.22	141	7.67	0.786	24.33	7.2
MW063A	3/10/2021	3.22	159	7.66	0.690	24.93	6.2
MW065SA	3/11/2021	8.78	121	6.82	4.05	18.93	3.6
MW066SA	3/9/2021	3.17	124	7.02	2.70	21.11	27.2
MW067SA	3/10/2021	3.81	231	7.03	1.64	21.98	52.0
MW068	3/11/2021	3.54	97	7.18	6.21	22.34	5.1
MW069	3/10/2021	1.83	90	6.47	14.8	24.68	18.7
MW070	3/11/2021	3.70	102	7.13	1.81	20.16	15.8
MW071SA	3/11/2021	2.30	188	6.99	2.16	18.57	46.8
MW072SA	3/9/2021	4.28	183	7.17	1.98	22.30	64.3
MW073SA	3/9/2021	7.25	178	6.75	4.74	21.15	3.5
MW074SA	3/9/2021	4.00	230	6.99	3.27	21.45	38.7
MW075SA	3/9/2021	4.98	179	7.06	2.88	18.75	13.1
MW076SA	3/9/2021	5.66	111	7.05	3.21	17.16	89.9
MW079SA	3/10/2021	2.83	182	6.80	1.86	23.28	5.6
MW084SA	3/9/2021	2.23	180	6.87	4.37	20.06	39.8
MW085SA	3/9/2021	1.35	112	6.82	5.98	22.43	13.0
MW086SA	3/10/2021	16.26	180	6.82	4.81	18.82	4.2
MW087A	3/11/2021	0.74	-103	6.79	4.88	23.15	14.7
MW088M	3/11/2021	1.94	-73	6.59	4.68	22.30	28.8
MW089SA	3/12/2021	3.00	214	6.71	4.46	19.58	21.9
MW090SA	3/12/2021	2.51	214	6.71	3.20	20.65	8.5
MW093SA	3/9/2021	1.70	220	6.69	4.79	22.22	5.0
MW094	3/11/2021	1.27	97	7.03	4.79	22.32	85.7
MW095	3/10/2021	2.05	152	6.80	6.04	23.79	36.4
MW097P	3/11/2021	1.47	-42	6.89	4.09	23.90	0.00

Table 2
Spring 2021 Field Parameters
2021 Annual Groundwater Monitoring Report
Former Eunice North 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
MW099	3/11/2021	2.07	-144	7.44	0.816	19.23	4.5
MW100	3/10/2021	3.33	-138	6.91	3.60	16.26	8.3

Acronyms and Abbreviations:

ID = identification

mg/L = milligrams per liter

mV = millivolts

NTU = nephelometric turbidity unit

SU = standard unit

°C = degrees Celsius

mS/cm = milliSiemens per centimeter

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Table 3
Fall 2021 Field Parameters
2021 Annual Groundwater Monitoring Report
Former Eunice North 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
MW007A	10/15/2021	0.00	-97	6.66	4.10	16.82	0.00
MW011A	10/15/2021	0.00	75	6.85	2.07	17.38	0.00
MW013	10/14/2021	0.10	144	5.82	3.29	20.68	8.00
MW015A	10/14/2021	0.00	-42	6.08	6.75	18.69	0.00
MW016A	10/13/2021	0.00	124	7.58	2.15	22.57	0.00
MW018	10/13/2021	7.91	100	7.46	1.44	23.73	4.30
MW023	10/14/2021	6.01	124	6.73	4.09	23.96	0.00
MW032	10/14/2021	5.71	136	6.45	2.02	23.56	0.00
MW043	10/14/2021	1.40	144	5.82	3.29	20.68	4.13
MW046A	10/14/2021	1.30	137	7.84	3.30	25.67	0.00
MW047	10/15/2021	1.14	198	6.19	2.49	16.14	1.40
MW049SA	10/13/2021	4.00	126	7.12	3.84	25.31	4.01
MW050SA	10/13/2021	4.82	134	7.19	2.94	22.46	0.00
MW054SA	10/13/2021	9.05	124	7.56	2.90	22.18	10.4
MW056SA	10/13/2021	6.87	169	6.63	3.77	21.87	4.60
MW057SA	10/13/2021	13.77	18.5	5.97	1.43	20.29	0.00
MW061	10/14/2021	0.00	76	7.32	5.59	21.80	0.00
MW067SA	10/13/2021	9.67	116	7.53	1.38	22.90	4.30
MW068	10/15/2021	0.00	9	6.55	2.31	18.11	2.20
MW069	10/14/2021	0.00	145	7.07	22.1	23.72	3.90
MW070	10/14/2021	1.18	216	7.76	2.29	26.93	0.00
MW073SA	10/13/2021	5.27	157	7.10	3.08	21.40	4.50
MW075SA	10/12/2021	9.62	116	2.53	1.38	22.90	4.30
MW084SA	10/12/2021	0.00	124	6.56	4.23	25.20	3.10
MW085SA	10/12/2021	0.00	175	6.17	5.20	24.90	0.00
MW086SA	10/12/2021	0.00	128	6.70	3.98	24.24	1.90
MW093SA	10/14/2021	0.00	200	6.76	5.07	17.70	0.00
MW095	10/14/2021	0.00	97	7.31	5.91	25.72	0.00
MW100	10/12/2021	3.43	-158	6.29	3.00	25.41	0.50

Acronyms and Abbreviations:

ID = identification
mg/L = milligrams per liter
mV = millivolts
NTU = nephelometric turbidity unit
SU = standard unit
°C = degrees Celsius
µS/cm = microSiemens per centimeter

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Table 4
2021 Groundwater Elevations
2021 Annual Groundwater Monitoring Report
Former Eunice North Gas Plant
Eunice, Lea County, New Mexico

Location ID	Date	Top of Casing (feet amsl)	Depth To Groundwater (feet)	Depth to LNAPL (feet btoc)	LNAPL Thickness (feet)	Groundwater Elevation (feet amsl)
IW003	3/08/2021	3406.68	45.37	NM	NA	3361.31
IW008	3/12/2021	3405.37	48.47	NM	NA	3356.90
IW010	3/11/2021	3405.82	52.29	NM	NA	3353.53
IW019	3/08/2021	3423.78	44.35	NM	NA	3379.43
IW023	3/09/2021	3426.05	46.16	NM	NA	3379.89
IW024	3/08/2021	3426.63	46.38	NM	NA	3380.25
MW001	3/12/2021	3428.57	47.54	NM	NA	3381.03
MW002A	3/12/2021	3432.30	51.13	NM	NA	3381.17
MW002A	10/12/2021	3432.30	50.02	NM	NA	3382.28
MW004A	3/08/2021	3423.57	43.58	NM	NA	3379.99
MW004A	10/12/2021	3423.57	43.81	NM	NA	3379.76
MW006	3/12/2021	3425.26	45.19	45.07	0.12	3380.16
MW006	10/12/2021	3425.26	45.25	45.13	0.12	3380.10
MW007A	3/08/2021	3428.13	46.73	NM	NA	3381.40
MW007A	10/12/2021	3428.13	46.79	NM	NA	3381.34
MW008M	3/08/2021	3427.95	48.72	NM	NA	3379.23
MW008M	10/12/2021	3427.95	48.73	NM	NA	3379.22
MW010	3/10/2021	3419.42	38.06	NM	NA	3381.36
MW010	10/11/2021	3419.42	38.11	NM	NA	3381.31
MW011A	3/12/2021	3431.77	49.99	NM	NA	3381.78
MW011A	10/12/2021	3431.77	50.02	NM	NA	3381.75
MW012M	3/08/2021	3430.06	47.99	NM	NA	3382.07
MW012M	10/11/2021	3430.06	47.95	NM	NA	3382.11
MW013	3/10/2021	3423.11	42.21	NM	NA	3380.90
MW013	10/11/2021	3423.11	42.18	NM	NA	3380.93
MW015A	3/10/2021	3420.55	38.29	NM	NA	3382.26
MW015A	10/11/2021	3420.55	37.87	NM	NA	3382.68
MW016A	10/11/2021	3419.92	37.87	NM	NA	3382.05
MW018	3/10/2021	3417.15	36.04	NM	NA	3381.11
MW018	10/11/2021	3417.15	35.52	NM	NA	3381.63
MW019A	3/10/2021	3414.74	36.47	NM	NA	3378.27
MW019A	10/11/2021	3414.74	36.18	NM	NA	3378.56
MW020A	3/10/2021	3421.14	41.95	NM	NA	3379.19
MW020A	10/11/2021	3421.14	42.18	NM	NA	3378.96
MW021A	3/08/2021	3422.94	45.63	NM	NA	3377.31
MW021A	10/11/2021	3422.94	45.80	NM	NA	3377.14
MW023	3/08/2021	3436.44	54.65	NM	NA	3381.79
MW023	10/11/2021	3436.44	54.62	NM	NA	3381.82
MW024A	3/10/2021	3430.77	50.41	NM	NA	3380.36
MW024A	10/11/2021	3430.77	50.45	NM	NA	3380.32
MW026	3/11/2021	3432.04	49.46	NM	NA	3382.58
MW026	10/11/2021	3432.04	49.85	NM	NA	3382.19
MW027	3/11/2021	3443.33	61.58	NM	NA	3381.75
MW027	10/11/2021	3443.33	61.92	NM	NA	3381.41
MW030	3/11/2021	3439.84	58.39	NM	NA	3381.45
MW030	10/11/2021	3439.84	58.39	NM	NA	3381.45
MW031	3/11/2021	3440.68	59.14	NM	NA	3381.54
MW032	3/12/2021	3442.22	60.12	NM	NA	3382.10
MW032	10/11/2021	3442.22	60.30	NM	NA	3381.92
MW037	3/08/2021	3423.71	43.85	NM	NA	3379.86
MW040A	3/10/2021	3422.92	41.09	NM	NA	3381.83
MW040A	10/11/2021	3422.92	41.11	NM	NA	3381.81
MW041A	3/09/2021	3418.42	40.97	NM	NA	3377.45
MW043	3/08/2021	3423.57	45.17	NM	NA	3378.40
MW043	10/11/2021	3423.57	45.35	NM	NA	3378.22
MW045	3/12/2021	3425.53	46.57	NM	NA	3378.96
MW045	10/12/2021	3425.53	45.61	NM	NA	3379.92
MW046A	3/12/2021	3426.45	46.14	NM	NA	3380.31
MW046A	10/12/2021	3426.45	46.20	NM	NA	3380.25
MW047	3/08/2021	3427.65	46.55	NM	NA	3381.10
MW047	10/12/2021	3427.65	45.13	NM	NA	3382.52
MW048SA	3/09/2021	3421.10	44.47	NM	NA	3376.63
MW048SA	10/11/2021	3421.10	44.63	NM	NA	3376.47
MW049SA	3/09/2021	3422.46	47.49	NM	NA	3374.97
MW049SA	10/11/2021	3422.46	47.68	NM	NA	3374.78
MW050SA	3/08/2021	3419.31	44.20	NM	NA	3375.11
MW050SA	10/11/2021	3419.31	44.41	NM	NA	3374.90
MW051SA	3/08/2021	3415.42	42.97	NM	NA	3372.45
MW051SA	10/11/2021	3415.42	43.16	NM	NA	3372.26
MW052SA	3/10/2021	3415.23	44.30	NM	NA	3370.93
MW052SA	10/11/2021	3415.23	44.51	NM	NA	3370.72

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Table 4
2021 Groundwater Elevations
2021 Annual Groundwater Monitoring Report
Former Eunice North Gas Plant
Eunice, Lea County, New Mexico

Location ID	Date	Top of Casing (feet amsl)	Depth To Groundwater (feet)	Depth to LNAPL (feet btoc)	LNAPL Thickness (feet)	Groundwater Elevation (feet amsl)
MW053SA	3/16/2021	3413.86	NM	NM	NA	NM
MW053SA	10/11/2021	3413.86	41.68	NM	NA	NM
MW054SA	3/08/2021	3411.38	44.69	NM	NA	3366.69
MW054SA	10/11/2021	3411.38	44.83	NM	NA	3366.55
MW055SA	3/09/2021	3407.43	40.70	NM	NA	3366.73
MW055SA	10/11/2021	3407.43	47.27	NM	NA	3360.16
MW056SA	3/22/2021	3410.71	42.11	NM	NA	3368.60
MW056SA	10/11/2021	3410.71	42.31	NM	NA	3368.40
MW057SA	3/08/2021	3417.74	45.06	NM	NA	3372.68
MW057SA	10/11/2021	3417.74	45.25	NM	NA	3372.49
MW058	3/22/2021	3437.13	55.71	NM	NA	3381.42
MW058	10/11/2021	3437.13	58.70	NM	NA	3378.43
MW059	3/08/2021	3442.24	60.45	NM	NA	3381.79
MW059	10/11/2021	3442.24	60.43	NM	NA	3381.81
MW060	3/08/2021	3437.70	55.71	NM	NA	3381.99
MW060	10/11/2021	3437.70	DRY	NM	NA	DRY
MW061	3/11/2021	3439.86	49.99	NM	NA	3389.87
MW061	10/11/2021	3439.86	59.14	NM	NA	3380.72
MW062	3/11/2021	NM	NM	NM	NA	NM
MW062A	3/10/2021	3434.19	54.68	NM	NA	3379.51
MW062A	10/11/2021	3434.19	62.16	NM	NA	3372.03
MW063A	3/10/2021	3435.22	55.27	NM	NA	3379.95
MW063A	10/11/2021	3435.22	50.45	NM	NA	3384.77
MW065SA	3/11/2021	3402.96	49.16	NM	NA	3353.80
MW065SA	10/11/2021	3402.96	49.42	NM	NA	3353.54
MW066SA	3/09/2021	3404.03	46.15	NM	NA	3357.88
MW066SA	10/11/2021	3404.03	47.27	NM	NA	3356.76
MW067SA	3/09/2021	3409.16	43.22	NM	NA	3365.94
MW067SA	10/11/2021	3409.16	45.89	NM	NA	3363.27
MW068	3/11/2021	3448.08	66.12	NM	NA	3381.96
MW068	10/11/2021	3448.08	66.41	NM	NA	3381.67
MW069	3/11/2021	3444.07	62.39	NM	NA	3381.68
MW069	10/11/2021	3444.07	62.42	NM	NA	3381.65
MW070	3/11/2021	3439.68	58.27	NM	NA	3381.41
MW070	10/11/2021	3439.68	50.39	NM	NA	3389.29
MW071SA	3/11/2021	3401.01	47.77	NM	NA	3353.24
MW071SA	10/11/2021	3401.01	48.12	NM	NA	3352.89
MW072SA	3/09/2021	3401.34	48.33	NM	NA	3353.01
MW072SA	10/11/2021	3401.34	48.71	NM	NA	3352.63
MW073SA	3/09/2021	3403.26	46.34	NM	NA	3356.92
MW073SA	10/11/2021	3403.26	46.73	NM	NA	3356.53
MW074SA	3/09/2021	3409.97	46.99	NM	NA	3362.98
MW074SA	10/11/2021	3409.97	47.19	NM	NA	3362.78
MW075SA	3/09/2021	3404.21	48.58	NM	NA	3355.63
MW075SA	10/11/2021	3404.21	48.79	NM	NA	3355.42
MW076SA	3/09/2021	3404.13	50.28	NM	NA	3353.85
MW076SA	10/11/2021	3404.13	50.45	50.42	0.03	3353.70
MW078SA	3/09/2021	3411.12	NM	NM	NA	NM
MW078SA	10/11/2021	3411.12	DRY	NM	NA	DRY
MW079SA	3/08/2021	3408.80	45.46	NM	NA	3363.34
MW079SA	10/11/2021	3408.80	46.04	NM	NA	3362.76
MW084SA	3/09/2021	3405.98	49.28	NM	NA	3356.70
MW084SA	10/11/2021	3405.98	49.44	NM	NA	3356.54
MW085SA	3/09/2021	3405.98	49.67	NM	NA	3356.31
MW085SA	10/11/2021	3405.98	49.81	NM	NA	3356.17
MW086SA	3/10/2021	3401.86	48.64	NM	NA	3353.22
MW086SA	10/11/2021	3401.86	48.92	NM	NA	3352.94
MW087A	3/08/2021	3430.75	49.06	NM	NA	3381.69
MW087A	10/11/2021	3430.75	49.10	NM	NA	3381.65
MW088M	3/08/2021	3430.27	48.46	NM	NA	3381.81
MW088M	10/11/2021	3430.27	48.45	NM	NA	3381.82
MW089SA	3/08/2021	3428.09	47.26	NM	NA	3380.83
MW090SA	3/08/2021	3428.33	47.79	NM	NA	3380.54
MW091SA	3/08/2021	NM	NM	NM	NA	NM
MW093SA	3/09/2021	3422.72	43.23	NM	NA	3379.49
MW093SA	10/11/2021	3422.72	45.13	NM	NA	3377.59
MW094	3/11/2021	3443.15	61.64	NM	NA	3381.51
MW094	10/11/2021	3443.15	61.17	NM	NA	3381.98
MW095	3/11/2021	3436.13	54.19	NM	NA	3381.94
MW095	10/11/2021	3436.13	54.15	NM	NA	3381.98
MW097P	3/08/2021	NM	46.44	NM	NA	NM
MW099	3/11/2021	3444.76	62.22	NM	NA	3382.54
MW099	10/11/2021	3444.76	62.16	NM	NA	3382.60

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Table 4
2021 Groundwater Elevations
2021 Annual Groundwater Monitoring Report
Former Eunice North Gas Plant
Eunice, Lea County, New Mexico

Location ID	Date	Top of Casing (feet amsl)	Depth To Groundwater (feet)	Depth to LNAPL (feet btoc)	LNAPL Thickness (feet)	Groundwater Elevation (feet amsl)
MW100	3/10/2021	3406.49	51.86	NM	NA	3354.63
MW100	10/11/2021	3406.49	51.92	NM	NA	3354.57

Note:

1. Corrected groundwater elevations at MW006 are corrected using an assumed LNAPL specific gravity of 0.75. 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

DRY = Dry Well

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Table 5
Spring 2021 BTEX Analytical Data
2021 Annual Groundwater Monitoring Report
Former Eunice North Gas Plant
Eunice, Lea County, New Mexico

Location ID	Date	Analyte	Benzene		Toluene		Ethylbenzene		Total Xylenes		DRO		GRO	
		Unit	mg/L											
		NMWQCC Standard	0.005		1		0.7		0.62		NA		NA	
		Sample Purpose	REG											
IW019	3/12/2021	REG	0.00200	U	0.00200	U	0.00200	U	0.00200	U	2.22	U	2.22	U
MW001	3/12/2021	REG	0.00200	U	0.00200	U	0.00200	J	0.00200	U	2.25	U	2.25	U
MW037	3/12/2021	REG	**0.00115**	**J**	0.00200	U	**0.00509**		0.00200	U	**0.901**	**J**	**0.978**	**J**
MW043	3/12/2021	REG	0.00200	U	0.00200	U	0.00200	U	0.00200	U	2.26	U	2.26	U
MW045	3/12/2021	REG	0.00200	U	0.00200	U	0.00200	U	0.00200	U	2.21	U	2.21	U
MW046A	3/12/2021	REG	0.00200	U	0.00200	U	0.00200	U	0.00200	U	2.20	U	2.20	U

Notes:
bold = detected analytes
BTEX = benzene, toluene, ethylbenzene, and xylenes
DRO = diesel-range organics
GRO = gasoline-range organics
ID = identification
mg/L = milligrams per liter
NMWQCC = New Mexico Water Quality Control Commission
REG = regular field sample
NA = not applicat: = analytes exceeding the NMWQCC Standard

Qualifiers:
J = estimated value
U = nondetect reported to Method Quantitation Limit

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Table 6
Fall 2021 BTEX Analytical Data
2021 Annual Groundwater Monitoring Report
Former Eunice North Gas Plant
Eunice, Lea County, New Mexico

Location ID	Date Sampled	Analyte	Benzene		Toluene		Ethylbenzene		m,p-Xylenes		o-Xylene		Total Xylenes		DRO		GRO	
		Unit	mg/L															
		NMWQCC Standard	0.005		1		0.7		---		---		0.62		NA		NA	
		Sample Purpose																
MW043	10/14/2021	REG	0.00200	U	0.00200	U	0.00200	U	0.00400	U	0.00200	U	0.00400	U	**0.922**	**J**	4.59	U
MW046A	10/14/2021	REG	0.00200	U	0.00200	U	0.00200	U	0.00400	U	0.00200	U	0.00400	U	4.69	U	4.69	U

Notes:

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
REG = regular field sample
NA = not applicable- no standard available
shading = analytes exceeding the NMWQCC Standard

Qualifiers:

J = estimated value
U = nondetect reported to Method Quantitation Limit (Reported Limit)

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Table 7
Spring 2021 Metals, Chloride, and Total Dissolved Solids Analytical Data
2021 Annual Groundwater Monitoring Report
Former Eunice North Gas Plant
Eunice, Lea County, New Mexico

Location ID	Date	Analyte	Dissolved Arsenic		Dissolved Total Chromium		Dissolved Hexavalent Chromium		Dissolved Iron		Dissolved Manganese		TDS		Chloride	
		Unit	mg/L													
		NMWQCC Standard	0.01 (1)		0.05		0.05		1		0.2		1,000		250	
IW003	3/10/2021	REG	0.0162		0.00497		0.0100	U	6.27		5.10		2,260		795	
IW008	3/9/2021	REG	0.0106		0.00407		0.0100	U	4.24		1.72		2,620		802	
IW010	3/9/2021	REG	0.00944		0.00195	J	0.0100	U	12.2		8.12		3,680		1,160	
IW019	3/12/2021	REG	0.00929		0.560		0.656		0.100	U	0.0345		3,630		1,270	
IW023	3/9/2021	FD	0.00982		0.317		0.318		0.223		0.00788		3,010		576	
IW023	3/9/2021	REG	0.0097		0.312		0.313		0.194		0.00674		3,000		567	
IW024	3/12/2021	REG	0.0107		0.957		1.02		0.100	U	0.00314		4,200		1,040	
MW001	3/12/2021	REG	0.00184	J	0.0563		0.0135		0.0403	J	1.12		2,570		319	
MW002A	3/12/2021	REG	0.0172		0.848		0.828		0.100	U	0.0190		1,760	J	1,940	
MW002A	3/12/2021	FD	0.0174		0.826		0.780		0.100	U	0.0195		3,050	J	1,580	
MW004A	3/12/2021	REG	0.0125		0.366		0.531		0.0238	J	0.00288		2,410		652	
MW007A	3/11/2021	REG	0.0116		0.773		0.810		0.100	U	0.00232		798		862	
MW008M	3/11/2021	REG	0.00607		0.0129		0.0100	U	50.3		2.54		1,280		1,640	
MW010	3/10/2021	REG	0.00834		0.0158		0.00890	J	0.0831	J	0.00384		5,430		2,590	
MW011A	3/12/2021	REG	0.0142		0.0459		0.0386		0.100	U	0.0475		786		488	
MW012M	3/11/2021	REG	0.0297		0.108		0.1000	U	18.2		1.68		866		979	
MW013	3/10/2021	REG	0.00757		2.19		2.12		0.100	U	0.000637	J	3,480		978	
MW015A	3/10/2021	REG	0.0105		0.00746		0.0100	U	0.131		0.0160		9,040		4,840	
MW018	3/10/2021	REG	0.0105		0.00400	U	0.0100	U	0.0327	J	0.00137	J	1,230		251	
MW019A	3/10/2021	REG	0.0104		0.00090	J	0.0100	U	0.0454	J	0.00716		1,310		266	
MW020	3/11/2021	REG	0.0146		0.00400	U	0.0100	U	0.100	U	0.00200	U	632		405	
MW020A	3/10/2021	REG	0.0107		0.00549		0.0100	U	0.100	U	0.00108	J	2,520		1,170	
MW021A	3/10/2021	REG	0.0106		0.00259	J	0.0100	U	0.100	U	0.0174		5,370		2,330	
MW023	3/11/2021	REG	0.00905		3.23		3.65		0.100	U	0.000205	J	874		832	
MW024A	3/10/2021	REG	0.0122		0.442		0.429		0.100	U	0.000457	J	2,720		939	
MW026	3/11/2021	REG	0.00933		0.00400	U	0.0100	U	0.100	U	0.00200	U	733		89.0	
MW027	3/11/2021	REG	0.00655		0.00070	J	0.0100	U	0.100	U	0.00164	J	805		360	
MW030	3/11/2021	REG	0.0201		0.00147	J	0.0100	U	0.100	U	0.00200	U	822		213	
MW031	3/10/2021	REG	0.0290		0.00400	U	0.0100	U	0.822		0.190		863		160	
MW032	3/12/2021	REG	0.00333	J	0.00394	J	0.0100	U	0.100	U	0.00200	U	1,700		343	
MW037	3/12/2021	REG	0.0578		0.000817	J	0.0100	U	7.27		0.159		1,680		515	
MW040A	3/10/2021	REG	0.0204		0.00245	J	0.0100	U	0.100	U	0.00030	J	554		58.4	
MW041A	3/9/2021	REG	0.0109		0.213		0.199		0.100	U	0.000387	J	1,740		382	
MW043	3/12/2021	REG	0.00424		0.00400	U	0.0100	U	0.494		0.649		1,920		926	
MW045	3/12/2021	REG	0.00205	J	0.0119		0.0100	U	0.100	U	0.112		1,270		68.9	
MW046A	3/12/2021	REG	0.00988		1.96		2.05		0.100	U	0.000224	J	912		741	
MW047	3/11/2021	FD	0.00944		0.0732		0.0769		0.100	U	0.00200	U	1,050		260	
MW047	3/11/2021	REG	0.0100		0.0800		0.0781		0.100	U	0.000253	J	1,030		266	
MW048SA	3/9/2021	REG	0.0114		0.406		0.398		0.0724	J	0.00187	J	1,900		568	
MW048SA	3/9/2021	FD	0.0118		0.428		0.393		0.0773	J	0.00267		1,980		577	
MW049SA	3/9/2021	REG	0.0115		0.220		0.210		0.0274	J	0.00301		3,160		1,110	
MW050SA	3/10/2021	REG	0.00906		0.307		0.309		0.100	U	0.00729		3,370		1,180	
MW051SA	3/10/2021	REG	0.0100		0.705		0.738		0.100	U	0.00359		3,540	J	1,050	
MW051SA	3/10/2021	FD	0.0111		0.761		0.725		0.100	U	0.00381		853	J	1,050	
MW052SA	3/10/2021	REG	0.0139		0.246		0.244		0.183		0.00686		3,170		1,410	
MW054SA	3/10/2021	REG	0.0105		0.119		0.111		0.100	U	0.000658	J	2,180		862	
MW055SA	3/9/2021	REG	0.00734		0.174		0.167		0.100	U	0.000707	J	1,820		547	
MW056SA	3/9/2021	REG	0.0141		0.339		0.335		0.0360	J	0.0005	J	3,490		706	
MW057SA	3/9/2021	REG	0.0127		0.0165		0.0188		0.0920	J	0.00296		1,450		233	
MW058	3/12/2021	REG	0.0129		3.64		3.93		0.100	U	0.000515	J	1,000		1,330	
MW059	3/10/2021	REG	0.0137		0.650		0.465		0.100	U	0.00200	U	919		812	
MW059	3/10/2021	FD	0.0129		0.612		0.483		0.100	U	0.00200	U	842		831	
MW060	3/10/2021	REG	0.00332	J	0.00400	U	0.0100	U	2.08		5.71		3,400		1,360	
MW061	3/11/2021	REG	0.0115		1.06		1.07		0.100	U	0.0384		1,160		1,170	
MW061	3/11/2021	FD	0.0113		1.04		1.07		0.100	U	0.0294		1,100		1,190	
MW062A	3/10/2021	REG	0.0250		0.00194	J	0.0100	U	0.100	U	0.000383	J	525		67.1	
MW063A	3/10/2021	REG	0.0247		0.00151	J	0.0100	U	0.100	U	0.000516	J	507		59.0	
MW065SA	3/9/2021	REG	0.0140		0.0860		0.0100	U	0.278		0.113		3,090		852	
MW066SA	3/9/2021	REG	0.00935		0.00567		0.0100	U	0.230		0.437		1,730		445	
MW067SA	3/10/2021	REG	0.0193		0.00064	J	0.0100	U	0.180		0.00337		991		193	
MW068	3/11/2021	REG	0.0180		0.0200	U	0.0100	U	0.144	J	2.48		934		6,350	
MW069	3/10/2021	REG	0.00732		0.00400	U	0.0100	U	0.0299	J	0.170		15,100		8,610	
MW071SA	3/9/2021	REG	0.0108		0.00159	J	0.0100	U	0.697		0.297		1,910		488	
MW072SA	3/9/2021	REG	0.0172		0.000721	J	0.0100	U	0.204		0.00652		1,260		245	
MW073SA	3/9/2021	REG	0.0106		0.00400	U	0.0100	U	0.100	U	0.000942	J	3,710		1,100	
MW074SA	3/9/2021	REG	0.0137		0.00970		0.00750	J	0.225		0.00354		2,160		491	
MW075SA	3/9/2021	REG	0.0131		0.0110		0.00540	J	0.0722	J	0.00249		2,020		489	
MW076SA	3/9/2021	REG	0.0125		0.00864		0.00360	J	0.100	U	0.000229	J	2,130		536	
MW079SA	3/10/2021	REG	0.00962		0.00400	U	0.0100	U	0.0839	J	0.0210		1,270		281	
MW084SA	3/9/2021	REG	0.0103		0.0239		0.0199		0.165		0.00465		3,130		1,020	
MW085SA	3/9/2021	REG	0.0119		0.0609		0.0100	U	0.268		0.0854		4,220		1,070	
MW086SA	3/9/2021	REG	0.0111		0.0556		0.0416		0.0926	J	0.00294		3,560		1,250	
MW087A	3/11/2021	REG	0.00302	J	0.0723		0.0100	U	6.97		0.205		895		1,180	

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Table 7
Spring 2021 Metals, Chloride, and Total Dissolved Solids Analytical Data
2021 Annual Groundwater Monitoring Report
Former Eunice North Gas Plant
Eunice, Lea County, New Mexico

Location ID	Date	Analyte	Dissolved Arsenic		Dissolved Total Chromium		Dissolved Hexavalent Chromium		Dissolved Iron		Dissolved Manganese		TDS		Chloride	
		Unit	mg/L													
		NMWQCC Standard	0.01 (1)		0.05		0.05		1		0.2		1,000		250	
MW088M	3/11/2021	REG	**0.0218**		**0.0177**		0.0100	U	**12.0**		0.183		**822**		**963**	
MW089SA	3/12/2021	REG	**0.0104**		**1.02**		**0.988**		**0.0238**	J	**0.00128**	J	**4,040**		**973**	
MW090SA	3/12/2021	REG	**0.0101**		**0.279**		**0.320**		**0.0233**	J	**0.00316**		**2,820**		**512**	
MW093SA	3/9/2021	REG	**0.00907**		**0.499**		**0.438**		0.100	U	**0.0192**		**3,960**		**885**	
MW094	3/11/2021	REG	**0.0109**		**0.535**		**0.855**		0.100	U	**0.0317**		**1,270**		**854**	
MW095	3/10/2021	REG	**0.00894**		**3.83**		**3.67**		**0.0328**	J	**0.111**		**4,570**	J	**1,460**	
MW095	3/10/2021	FD	**0.00929**		**4.03**		**3.70**		**0.0306**	J	**0.112**		**1,090**	J	**1,470**	
MW097P	3/11/2021	REG	**0.0111**		**0.446**		**0.467**		0.100	U	**0.0559**		**913**		**959**	
MW099	3/11/2021	REG	**0.00618**		0.00400	U	0.0100	U	**0.188**		**0.153**		**542**		**72.1**	
MW100	3/9/2021	REG	**0.00890**		**0.000681**	J	0.0100	U	**0.0766**	J	**0.497**		**2,630**		**981**	

Notes:

(1) Updated NMWQCC Standard effective July 1, 2020. Both spring and fall datasets compared to new standard.

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

Qualifiers:

J = estimated value
K = Sample analyzed outside of recommended hold time.
U = Non-detect reported to Method Quantitation Limit

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Table 8
Fall 2021 Metals, Chloride, and Total Dissolved Solids Analytical Data
2021 Annual Groundwater Monitoring Report
Former Eunice North Gas Plant
Eunice, Lea County, New Mexico

Location ID	Date	Analyte	Dissolved Arsenic		Dissolved Total Chromium		Dissolved Hexavalent Chromium		Dissolved Iron		Dissolved Manganese		TDS		Chloride	
		Unit	mg/L													
		NMWQCC Standard	0.01 (1)		0.05		0.05		1		0.2		1,000		250	
MW007A	10/15/2021	REG	**0.0117**	J	**0.719**	--	**0.809**	--	1.00	U	**0.00248**	--	**4,230**	--	**797**	--
MW011A	10/15/2021	REG	**0.0164**	J	**0.0295**	J	**0.0205**	--	1.00	U	**0.00389**	--	**1,410**	--	**334**	--
MW013	10/14/2021	REG	**0.00578**	--	**0.536**	--	**1.71**	--	0.100	U	**0.000524**	J	**2,740**	--	**760**	--
MW015A	10/14/2021	REG	**0.00650**	--	**0.00413**	--	0.0100	U	**0.0739**	J	**0.0129**	--	**14,200**	--	**3,640**	--
MW016A	10/13/2021	REG	**0.00724**	--	**0.00712**	J	**0.00764**	J	0.100	UJ	**0.00142**	J	**2,320**	--	**615**	--
MW018	10/13/2021	REG	**0.00785**	--	0.00400	UJ	0.0100	U	0.100	UJ	**0.000515**	J	**1,090**	--	**186**	--
MW023	10/14/2021	REG	**0.00727**	--	**3.14**	--	**3.61**	--	0.100	U	**0.000969**	J	**3,560**	--	**750**	--
MW032	10/14/2021	REG	**0.00377**	J	0.0400	U	0.0100	U	1.00	U	**0.00129**	J	**1,340**	--	**308**	--
MW043	10/14/2021	REG	**0.0049**	--	**0.000639**	J	0.0100	U	**0.0824**	J	**0.500**	--	**1,850**	--	**740**	--
MW046A	10/14/2021	REG	**0.00875**	--	**1.51**	--	**2.23**	--	0.100	U	**0.00403**	--	**3,310**	--	**642**	--
MW047	10/15/2021	FD	**0.0108**	J	**0.0891**	--	**0.0967**	--	1.00	U	**0.00331**	--	**1,760**	--	**248**	--
MW047	10/15/2021	REG	**0.00926**	--	**0.0815**	--	**0.105**	--	0.100	U	0.00200	UB	**1,730**	--	**241**	--
MW049SA	10/13/2021	REG	**0.00960**	--	**0.184**	J	**0.238**	--	0.100	UJ	**0.00231**	J	**2,480**	--	**1,190**	--
MW050SA	10/13/2021	REG	**0.00769**	--	**0.182**	J	**0.321**	--	0.100	UJ	**0.00345**	J	**3,670**	--	**991**	--
MW054SA	10/13/2021	REG	**0.00895**	--	**0.0962**	J	**0.119**	--	**0.0353**	J	**0.00278**	J	**2,140**	--	**806**	--
MW056SA	10/13/2021	REG	**0.0128**	--	**0.224**	J	**0.287**	--	0.100	UJ	**0.00131**	J	**4,560**	--	**974**	--
MW057SA	10/13/2021	REG	**0.0112**	--	**0.00865**	J	**0.0114**	--	0.100	UJ	**0.00230**	J	**1,510**	--	**221**	--
MW061	10/14/2021	FD	**0.0105**	--	**0.736**	--	**1.20**	--	**0.0250**	J	**0.0235**	J	**4,940**	J	**980**	--
MW061	10/14/2021	REG	**0.0104**	--	**0.946**	--	**1.24**	--	**0.0516**	J	**0.0454**	J	**3,460**	J	**995**	--
MW067SA	10/13/2021	REG	**0.0159**	--	0.00400	UJ	0.0100	U	0.100	UJ	**0.00171**	J	**928**	--	**182**	--
MW068	10/15/2021	REG	**0.0133**	J	0.0400	U	0.0100	U	1.00	U	**0.742**	--	**1,910**	--	**6,970**	--
MW069	10/14/2021	REG	**0.00573**	--	0.00400	U	0.0100	U	**0.170**	--	**0.525**	--	**13,200**	--	**2,160**	--
MW070	10/14/2021	REG	**0.0103**	--	0.00400	U	0.0100	U	0.100	U	**0.00281**	--	**1,310**	--	**378**	--
MW073SA	10/13/2021	REG	**0.00918**	--	0.00400	UJ	0.0100	U	0.100	UJ	**0.00138**	J	**2,220**	--	**542**	--
MW075SA	10/12/2021	REG	**0.00995**	--	**0.0106**	--	**0.0114**	--	**0.0240**	J	**0.000824**	J	**1,820**	--	**518**	--
MW084SA	10/12/2021	REG	**0.00810**	--	**0.0164**	--	**0.0195**	--	0.100	U	**0.000584**	J	**2,520**	--	**1,010**	--
MW085SA	10/12/2021	REG	**0.0122**	--	**0.0217**	--	**0.0184**	--	0.100	U	**0.0432**	--	**3,270**	--	**1,390**	--
MW086SA	10/12/2021	REG	**0.00811**	--	**0.0457**	--	**0.0568**	--	0.100	U	**0.00126**	J	**3,220**	--	**1,400**	--
MW093SA	10/14/2021	REG	**0.00712**	--	**0.396**	--	**0.482**	--	0.100	U	**0.0334**	--	**3,890**	--	**864**	--
MW095	10/14/2021	FD	**0.00904**	--	**3.54**	--	**3.71**	--	0.100	U	**0.108**	--	**4,510**	--	**1,340**	--
MW095	10/14/2021	REG	**0.00841**	--	**3.73**	--	**3.99**	--	0.100	U	**0.106**	--	**4,610**	--	**1,330**	--
MW100	10/12/2021	REG	**0.00634**	--	0.00400	U	0.0100	U	0.100	U	**0.416**	--	**2,260**	--	**888**	--

Notes:
(1) Updated NMWQCC Standard effective July 1, 2020. Both spring and fall datasets compared to new standard.

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

Qualifiers:
J = estimated value
U = Non-detect reported to Method Quantitation Limit
UB = Analyte considered non-detect at the listed value due to associated blank contamination
UJ = The analyte was not detected above the reporting limit. However, the reported limit isapproximate and may or may not represent the actual limit of detection.

FIGURES

DIV/GROUP: ENVCAD
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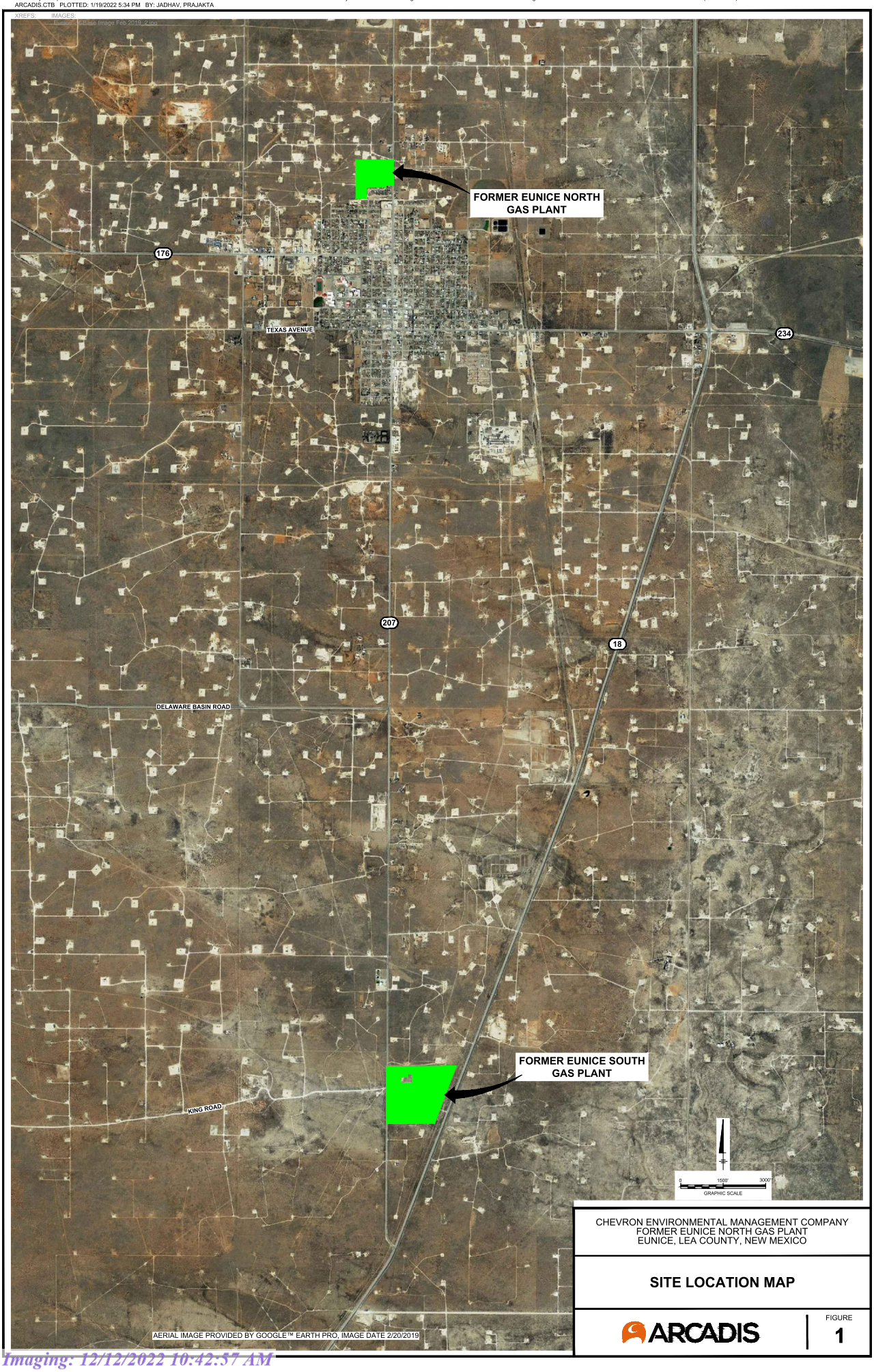

CHEVRON ENVIRONMENTAL MANAGEMENT COMPANY
FORMER EUNICE NORTH GAS PLANT
EUNICE, LEA COUNTY, NEW MEXICO

SITE LOCATION MAP

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FIGURE
1

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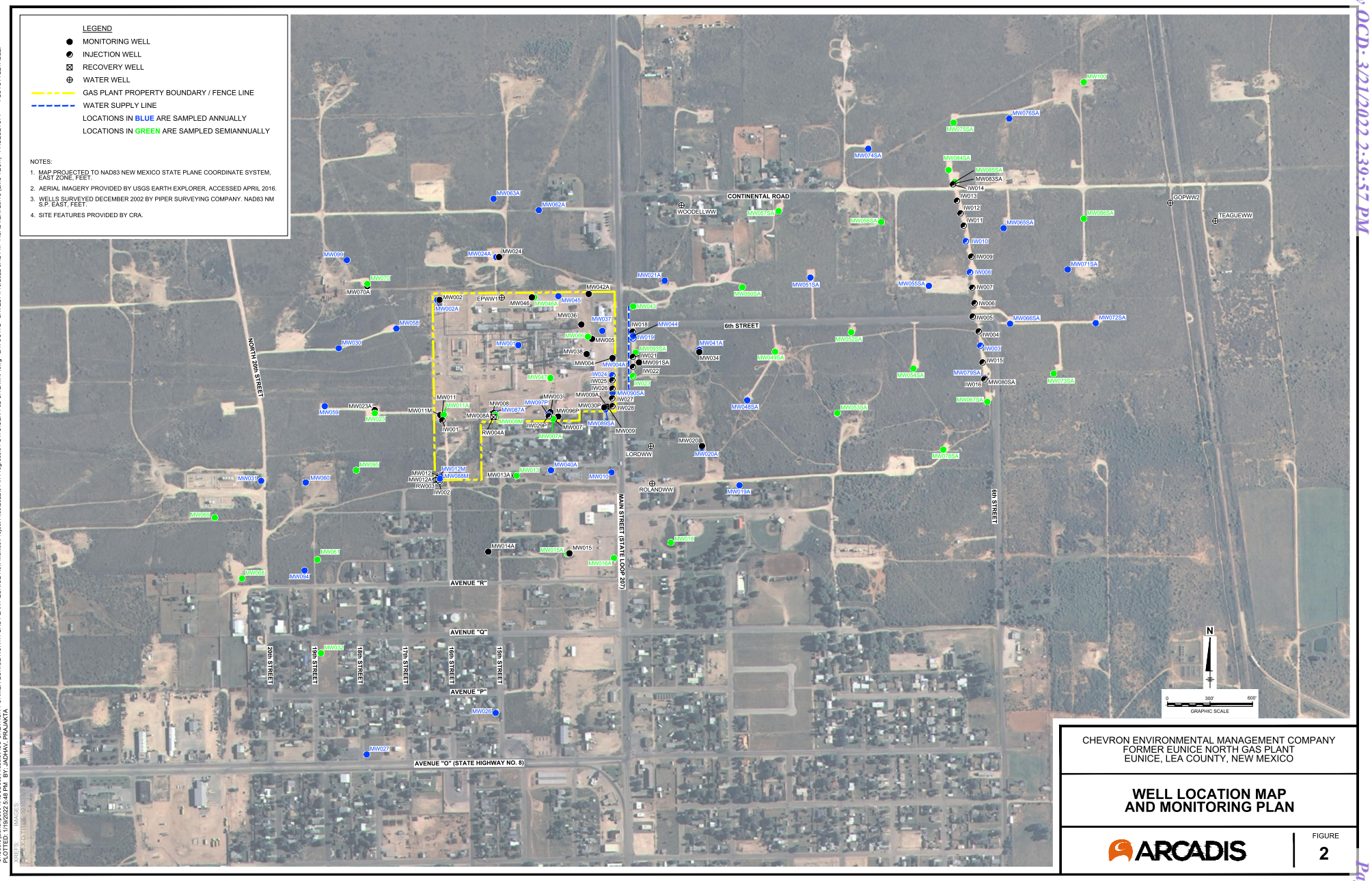

CHEVRON ENVIRONMENTAL MANAGEMENT COMPANY
FORMER EUNICE NORTH GAS PLANT
EUNICE, LEA COUNTY, NEW MEXICO

WELL LOCATION MAP AND MONITORING PLAN

ARCADIS

FIGURE 2

DIV/GROUP: ENV/CAD
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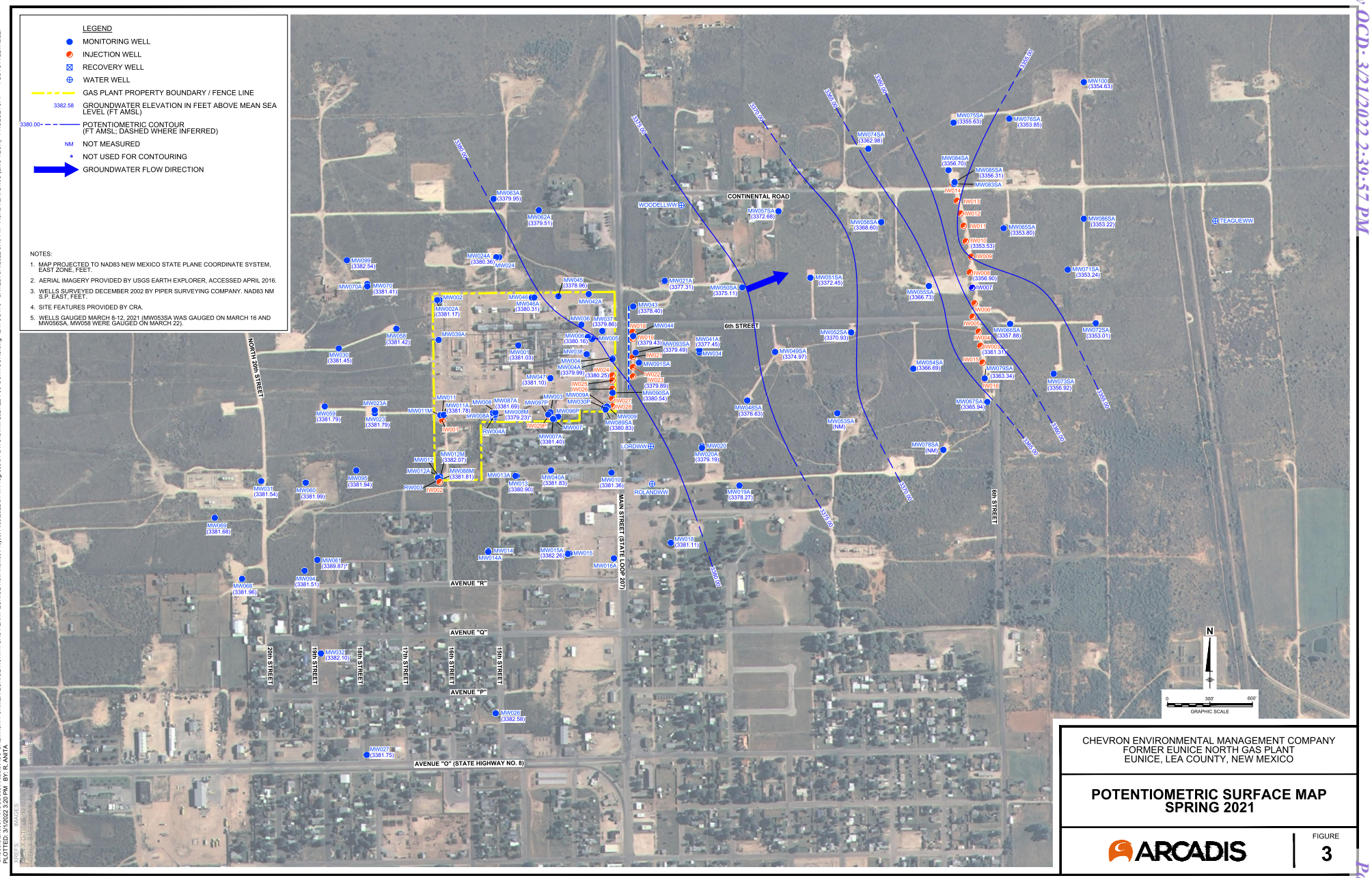

CHEVRON ENVIRONMENTAL MANAGEMENT COMPANY
FORMER EUNICE NORTH GAS PLANT
EUNICE, LEA COUNTY, NEW MEXICO

POTENTIOMETRIC SURFACE MAP
SPRING 2021

ARCADIS

FIGURE
3

DIV/GROUP: ENV/CAD
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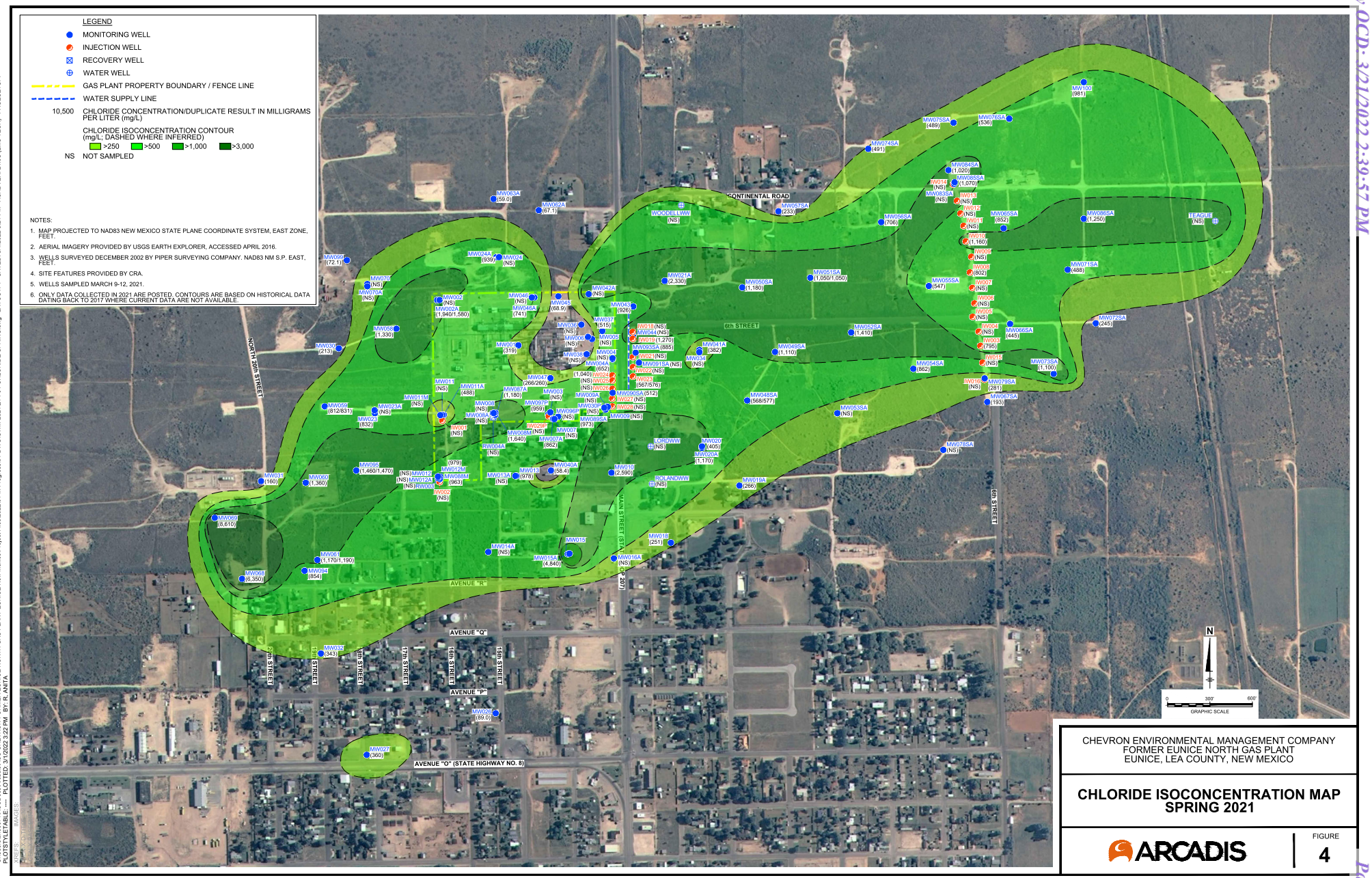

CHEVRON ENVIRONMENTAL MANAGEMENT COMPANY
FORMER EUNICE NORTH GAS PLANT
EUNICE, LEA COUNTY, NEW MEXICO

CHLORIDE ISOCONCENTRATION MAP SPRING 2021

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FIGURE 4

DIV/GROUP: ENV/CAD
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Arcadis Universal Building 1 Lakeside Drive, Suite 1000 Lakewood, Colorado 80401 Phone: 303 231 9600 Fax: 303 231 9668 www.arcadis.com

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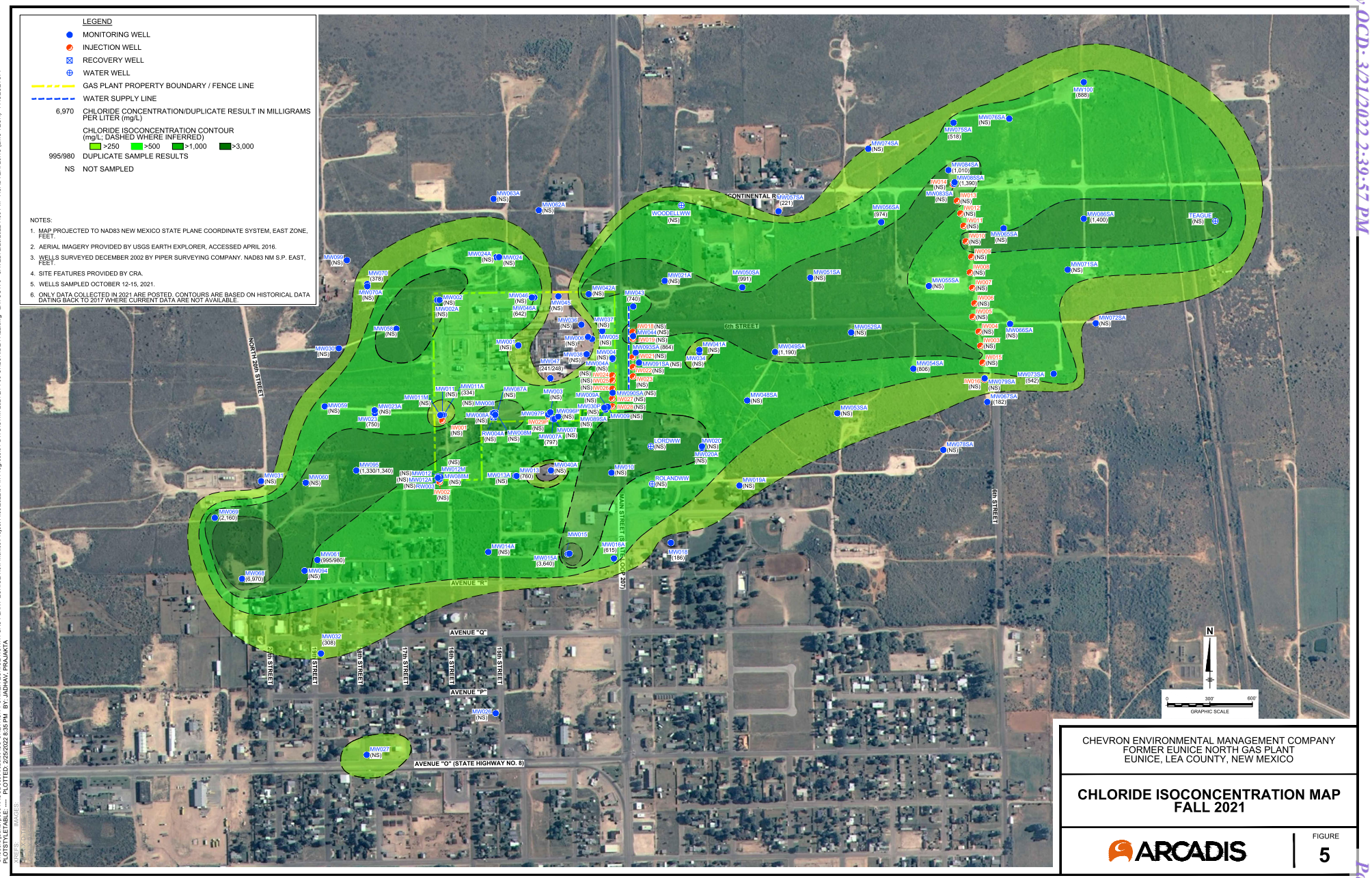

CHEVRON ENVIRONMENTAL MANAGEMENT COMPANY
FORMER EUNICE NORTH GAS PLANT
EUNICE, LEA COUNTY, NEW MEXICO

CHLORIDE ISOCONCENTRATION MAP FALL 2021

ARCADIS

FIGURE 5

DIV/GROUP: ENV/CAD
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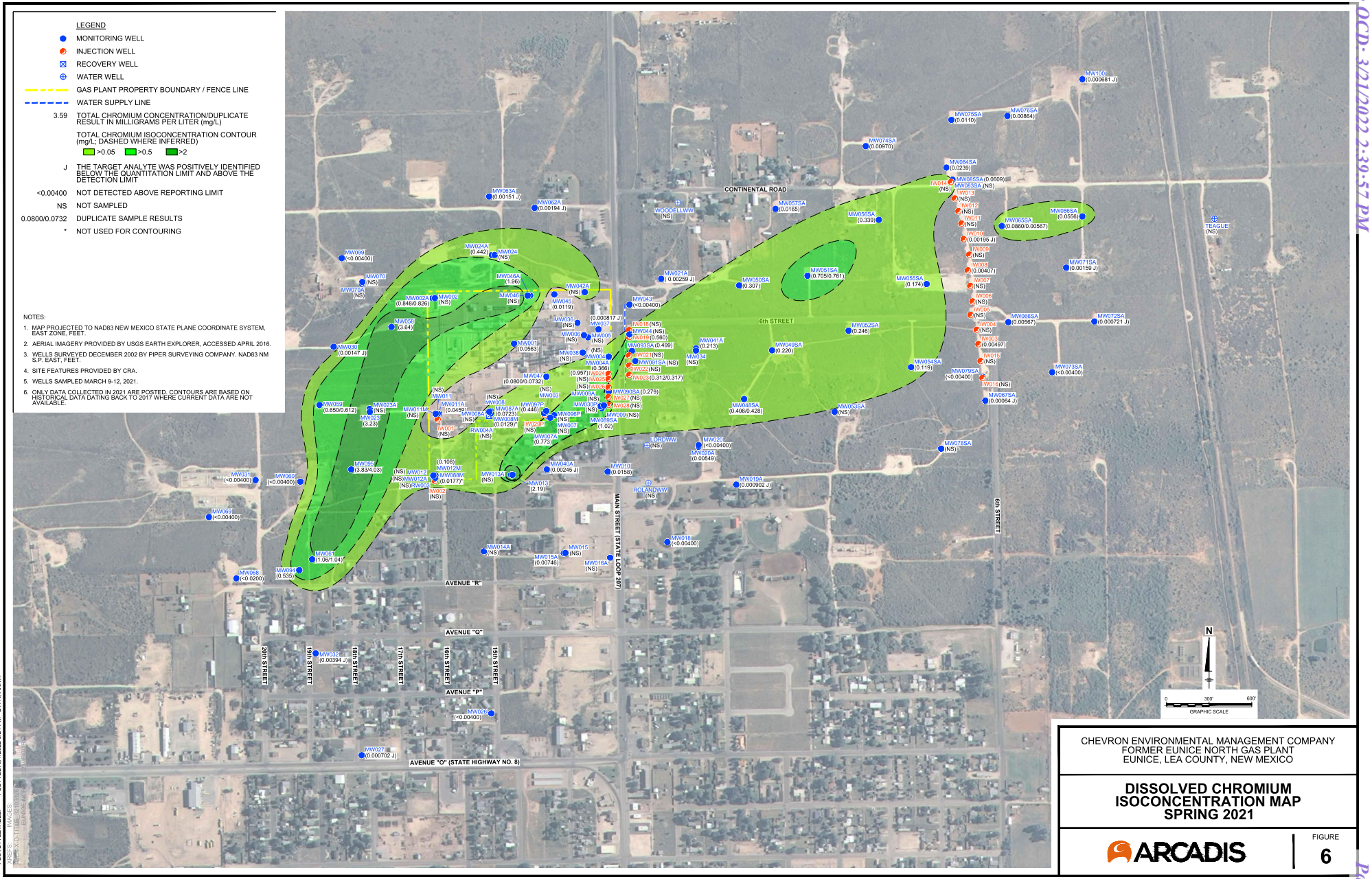

CHEVRON ENVIRONMENTAL MANAGEMENT COMPANY
FORMER EUNICE NORTH GAS PLANT
EUNICE, LEA COUNTY, NEW MEXICO

DISSOLVED CHROMIUM ISOCONCENTRATION MAP SPRING 2021

ARCADIS

FIGURE 6

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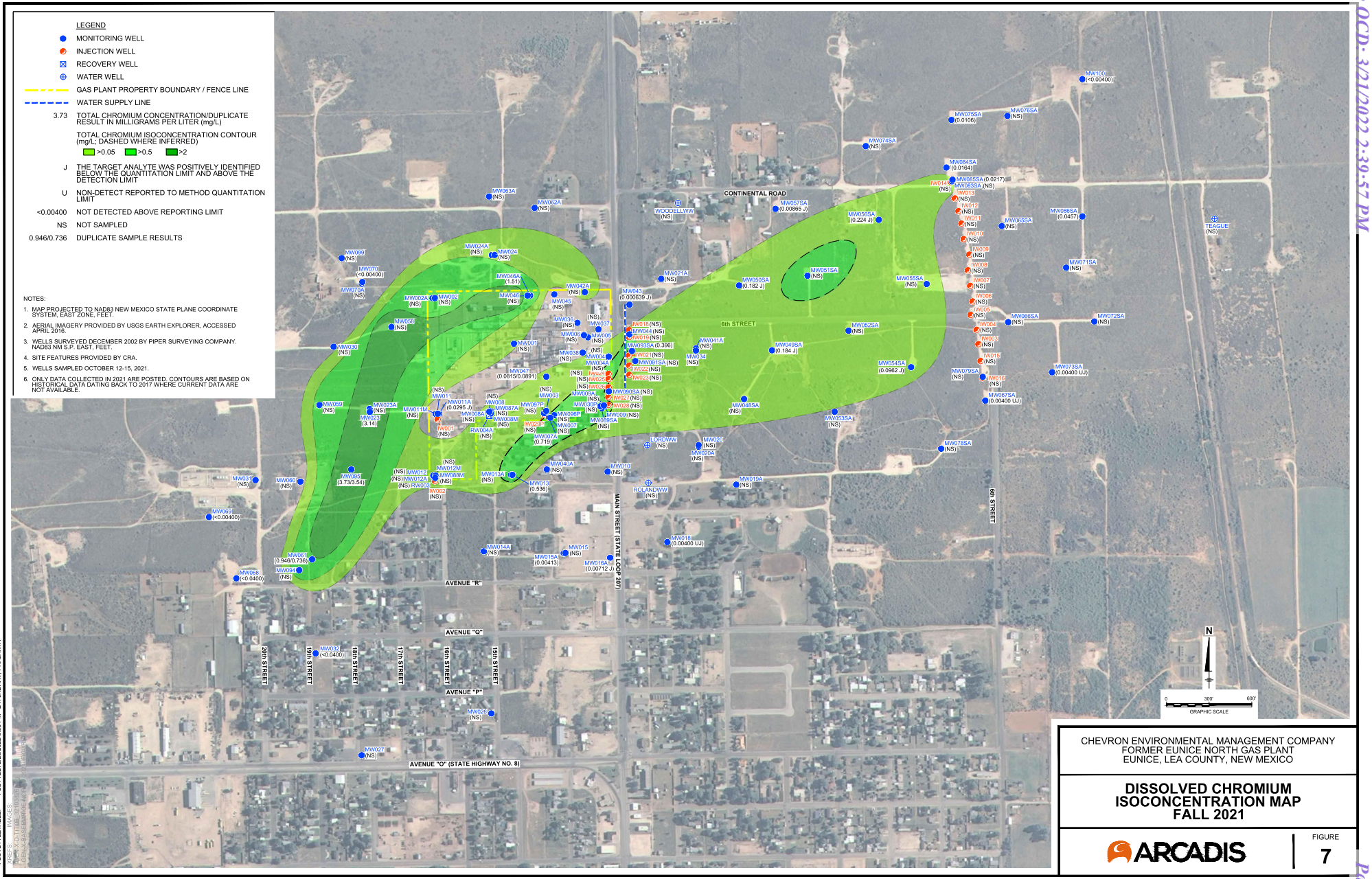
LEGEND

- MONITORING WELL
- INJECTION WELL
- RECOVERY WELL
- WATER WELL
- GAS PLANT PROPERTY BOUNDARY / FENCE LINE
- WATER SUPPLY LINE
- 3.73 TOTAL CHROMIUM CONCENTRATION/DUPLICATE RESULT IN MILLIGRAMS PER LITER (mg/L)
- TOTAL CHROMIUM ISOCONCENTRATION CONTOUR (mg/L; DASHED WHERE INFERRED)
  - >0.05
  - >0.5
  - >2
- J THE TARGET ANALYTE WAS POSITIVELY IDENTIFIED BELOW THE QUANTITATION LIMIT AND ABOVE THE DETECTION LIMIT
- U NON-DETECT REPORTED TO METHOD QUANTITATION LIMIT
- <0.00400 NOT DETECTED ABOVE REPORTING LIMIT
- NS NOT SAMPLED
- 0.946/0.736 DUPLICATE SAMPLE RESULTS

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 DECEMBER 2002 BY PIPER SURVEYING COMPANY. NAD83 NM S.P. EAST, FEET.
4. SITE FEATURES PROVIDED BY CRA.
5. WELLS SAMPLED OCTOBER 12-15, 2021.
6. ONLY DATA COLLECTED IN 2021 ARE POSTED. CONTOURS ARE BASED ON HISTORICAL DATA DATING BACK TO 2017 WHERE CURRENT DATA ARE NOT AVAILABLE.



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

DISSOLVED CHROMIUM ISOCONCENTRATION MAP FALL 2021

ARCADIS

FIGURE 7

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DIV/GROUP: ENV/CAD
C:\Users\jadhavp8954\ACCDocs\Arcadis\AUS-CHEVRON-FORMER EUNICE NORTH GAS PLANT-EUNICE New Mexico\Project Files\2022\01-In Progress\01-DWG\GWM-2021Q4-F08-HEXAVALENT SPRING.dwg LAYOUT: 8 SAVED: 2/25/2022 4:15 PM ACADVER: 23.1S (LMS TECH) PAGESETUP: ----
PLOTSTYLETABLE: ---- PLOTTED: 2/25/2022 4:00 PM BY: JADHAV, PRAJAKTA
XREFS IMAGES
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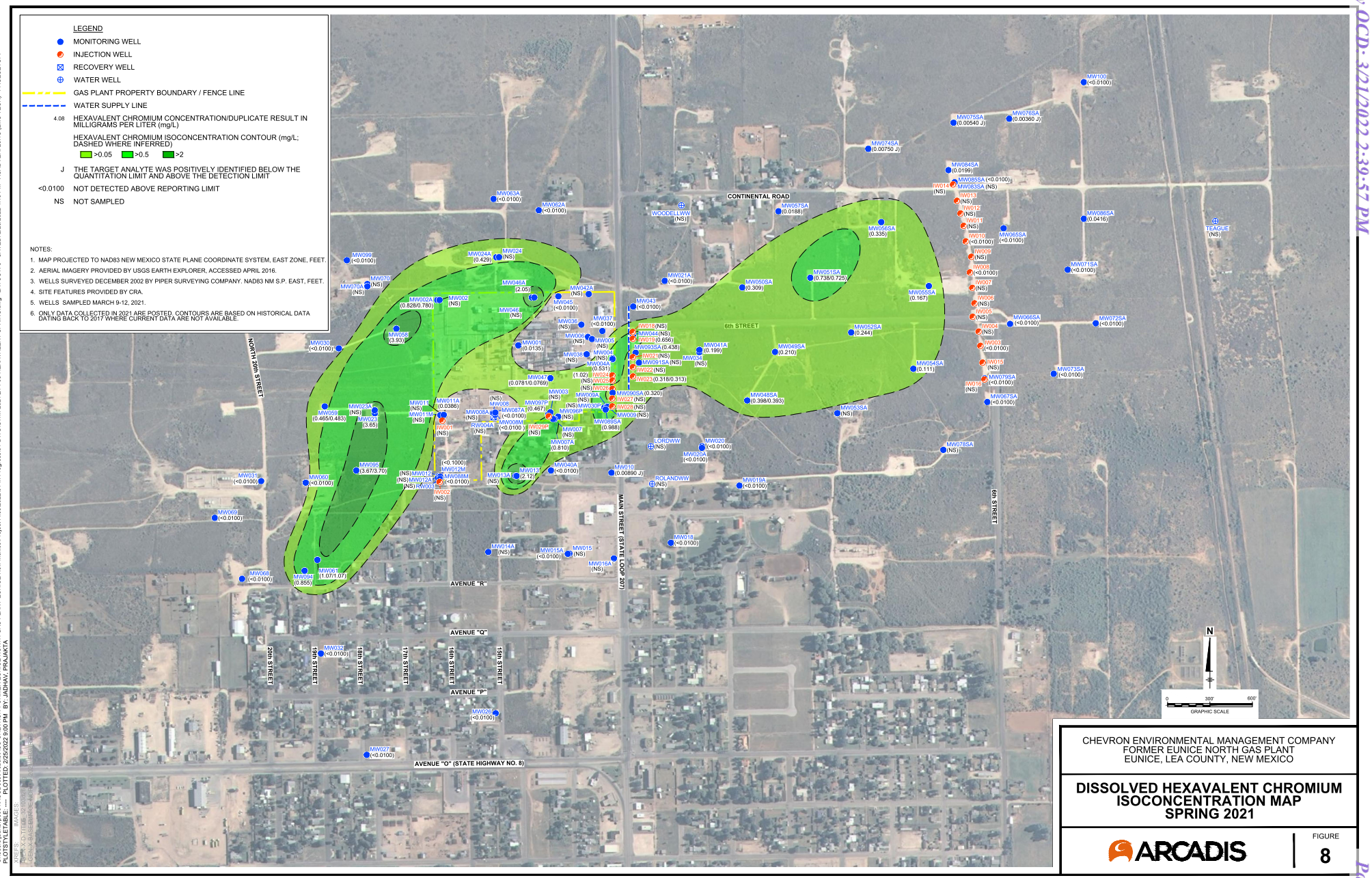

CHEVRON ENVIRONMENTAL MANAGEMENT COMPANY
FORMER EUNICE NORTH GAS PLANT
EUNICE, LEA COUNTY, NEW MEXICO

DISSOLVED HEXAVALENT CHROMIUM ISOCONCENTRATION MAP SPRING 2021

ARCADIS

FIGURE 8

Released to Imaging: 12/12/2022 10:42:57 AM

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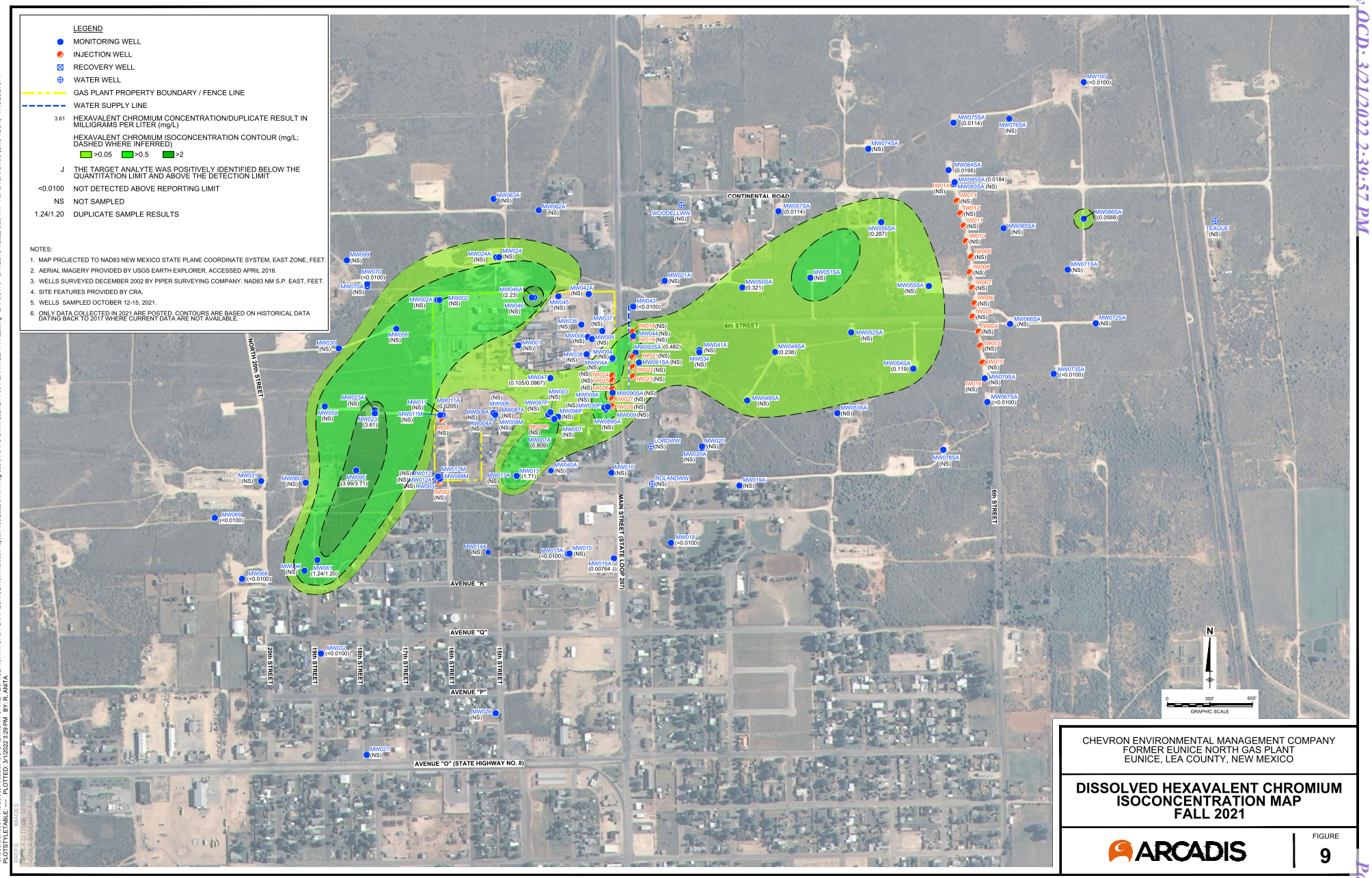

CHEVRON ENVIRONMENTAL MANAGEMENT COMPANY
FORMER EUNICE NORTH GAS PLANT
EUNICE, LEA COUNTY, NEW MEXICO

DISSOLVED HEXAVALENT CHROMIUM ISOCONCENTRATION MAP FALL 2021

ARCADIS

FIGURE 9

DIV/GROUP: ENV/CAD
C:\Users\anjin\0071\ACCDocs\Arcadis\AUS-CHEVRON-FORMER EUNICE NORTH GAS PLANT-EUNICE New Mexico\Project Files\2022\01-In Progress\01-DWG\GWM-2021Q4-F09-HEXAVALENT FALL.dwg LAYOUT: 9 SAVED: 3/1/2022 3:29 PM ACADVER: 24.0S (LMS TECH) PAGESETUP: ----
PLOTSTYLETABLE: ---- PLOTTED: 3/1/2022 3:29 PM BY: R. ANITA
XREFS: IMAGES: GEN-X-BASEMAP-1 (Attached)

APPENDIX E

Historical Analytical Data (through 2017)

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Appendix E
Historical Analytical Data (through 2017)
2021 Annual Groundwater Monitoring Report
Former Eunice North Gas Plant

ARCADIS Design & Consultancy for natural and built assets

		Chemical Name	Dissolved Arsenic	Total Arsenic	Dissolved Chromium	Total Chromium	Dissolved Chromium, Hexavalent	Total Chromium, Hexavalent	Dissolved Iron	Total Iron	Dissolved Manganese	Total Manganese	Benzene	Toluene	Ethylbenzene	Total Xylenes	DRO	GRO	Chloride	TDS
		Units	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	ug/l	ug/l	ug/l	ug/l	mg/l	mg/l	mg/l	mg/l
		NMWQCC Standard	0.01	0.01	0.05	0.05	0.05	0.05	1	1	0.2	0.2	5	1,000	700	620			250	1000
Location ID	Sample Date	Sample Type																		
EPWW1	1/26/2006	N	--	< 0.02 U	--	0.125	--	< 0.02 U	--	0.475	< 0.005 U	< 0.005 U	< 1 U	< 1 U	< 1 U	< 3 U	< 0.6 U	< 0.6 U	79.6	449
	7/6/2006	N	--	< 0.02 U	--	0.0259	--	< 0.02 U	--	< 0.2 U	< 0.005 U	< 0.005 U	< 1 U	< 1 U	< 1 U	< 3 U	< 0.095 U	< 0.05 U	49.2	385
	4/6/2009	N	--	< 0.02 U	--	< 0.015 U	--	< 0.02 U	--	< 0.2 U	0.251	0.251	< 1 U	< 1 U	< 1 U	< 3 U	0.52	< 0.05 U	255	914
	3/3/2010	N	--	< 0.05 U	--	< 0.05 U	--	< 0.01 U	--	0.062	< 0.050 U	< 0.050 U	< 1 U	< 2 U	< 1 U	< 1 U	0.093	< 0.05 U	67.6	408
	5/21/2012	N	< 0.0100 U	--	0.0475	--	--	0.968	0.301	--	0.0494	--	< 1.00 U	< 2.00 U	< 1.00 U	< 1.00 U	--	--	805	3,080
GOPWW2	1/19/2006	N	--	< 0.02 U	--	< 0.015 U	--	< 0.02 U	--	10.3	0.787	0.787	< 1 U	< 1 U	< 1 U	< 3 U	< 0.6 U	< 0.6 U	1,000	1,930
	6/28/2006	N	--	< 0.02 U	--	< 0.015 U	--	< 0.02 U	--	< 0.2 U	0.597	0.597	2	7.9	5.8	4.8	0.15	0.082	1,140	1,970
	4/23/2007	N	--	< 0.02 U	--	< 0.015 U	--	< 0.02 U	--	6.3	0.26	0.26	2.7	< 1 U	1.5	--	< 0.098 U	< 0.05 U	1,130	--
	9/10/2007	N	--	< 0.02 U	--	< 0.015 U	--	< 0.02 U	--	13.8	0.405	0.405	< 1 U	< 1 U	< 1 U	< 3 U	0.11	0.063	1,320	--
	3/24/2008	N	--	< 0.02 U	--	< 0.015 U	--	< 0.02 U	--	5.39	0.559	0.559	< 1 U	< 1 U	< 1 U	< 3 U	< 0.1 U	< 0.05 U	2,130	3,680
	8/5/2008	N	--	< 0.02 U	--	< 0.015 U	--	< 0.02 U	--	1.06	0.354	0.354	< 1 U	< 1 U	< 1 U	< 3 U	0.22	< 0.05 U	1,690	2,910
	3/17/2009	N	--	< 0.02 U	--	< 0.015 U	--	< 0.02 U	--	2.18	0.513	0.513	< 1 U	< 1 U	< 1 U	< 3 U	< 0.1 U	< 0.05 U	1,600	2,260
	8/18/2009	N	--	< 0.02 U	--	< 0.015 U	--	< 0.02 U	--	< 0.2 U	0.577	0.577	< 1 U	< 1 U	< 1 U	< 3 U	< 0.095 U	< 0.05 U	1,420	3,060
	3/2/2010	N	--	< 0.05 U	--	< 0.05 U	--	< 0.01 U	--	< 0.05 U	0.569	0.569	< 1 U	< 2 U	< 1 U	< 1 U	< 0.054 U	< 0.05 U	1,530	3,190
	8/3/2010	N	--	< 0.01 U	--	< 0.05 U	--	0.121	--	6.41	1.08	1.08	< 1 U	< 2 U	< 1 U	< 1 U	0.941	< 0.05 U	1,520	3,460
	5/8/2012	N	0.071	--	< 0.0100 U	--	--	< 0.0100 U	< 0.200 U	--	1.05	--	< 1.00 U	< 2.00 U	< 1.00 U	< 1.00 U	--	--	1,470	1,920
	11/1/2012	N	--	< 0.0100 U	--	< 0.0100 U	--	< 0.0100 U	--	17.2	1.8	1.8	< 1.00 U	< 2.00 U	< 1.00 U	< 1.00 U	--	--	1,420	2,930
	5/23/2013	N	< 0.0200 U	--	< 0.0100 U	--	--	< 0.0100 U	< 0.200 U	--	1.11	--	< 1.00 U	< 2.00 U	1.01	< 1.00 U	--	--	1350 E	3,070
IW001	8/1/2002	N	--	< 0.01 U	3.6	3.31	3.41	--	--	--	--	--	< 2 U	2	< 2 U	< 2 U	< 0.27 U	< 0.05 U	1,160	4,720
	6/10/2003	N	--	< 0.05 U	4.1	3.99	3.91	--	< 0.1 U	< 0.1 U	< 0.05 U	< 0.05 U	--	--	--	--	--	--	1,800	--
	6/10/2003	FD	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	1,700	--
	7/1/2003	N	--	< 0.05 U	0.12	0.1	< 0.05 U	--	10	8.5	2.24	1.84	--	--	--	--	--	--	140	--
	7/9/2003	N	--	< 0.05 U	0.06	0.19	< 0.05 U	--	10.5	44	0.73	2.93	--	--	--	--	--	--	3,400	--
	7/15/2003	N	--	< 0.05 U	0.11	0.1	< 0.1 U < 1 U	--	31.6	30.8	2.21	2.11	--	--	--	--	--	--	2,600	--
	7/30/2003	N	--	< 0.5 U	< 0.5 U	< 0.5 U	< 0.02 U	--	41	43	1.8	1.9	--	--	--	--	--	--	2,000	--
	8/20/2003	N	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	10/1/2003	N	--	< 0.05 U	1.53	0.65	< 0.1 U	--	235	244	6.2	6.43	--	--	--	--	--	--	2,800	--
	10/29/2003	N	--	< 0.5 U	0.32	0.38	< 0.005 U	--	256	279	5.61	6.09	--	--	--	--	--	--	2,300	--
	12/9/2003	N	--	< 0.05 U	0.32	0.32	< 0.01 U	--	242	244	6.36	6.42	--	--	--	--	--	--	1,400	--
	1/8/2004	N	--	< 0.5 U	< 0.5 U	< 0.5 U	< 0.005 U	--	89	91	4.4	4.5	--	--	--	--	--	--	1,300	24,500
	3/4/2004	N	--	< 0.05 U	0.26	0.33	< 0.05 U < 0.05 U	--	179	229	3.51	4.42	--	--	--	--	--	--	1,300	--
	4/1/2004	N	--	< 0.01 U	0.09	0.1	< 0.1 U	--	87.6	89.8	1.98	2.03	--	--	--	--	--	--	1,220	21,800
	5/17/2004	N	--	< 0.05 U	< 0.2 U	< 0.2 U	< 0.1 U	--	131	160	4	5	--	--	--	--	--	--	1,100	--
	6/10/2004	N	--	< 0.01 U	0.11	0.14	< 0.1 U	--	92.1	123	2.3	3.17	--	--	--	--	--	--	3,800	--
	7/14/2004	N	--	< 0.01 U	0.08	0.1	< 0.1 U	--	57.2	75.2	1.14	1.63	--	--	--	--	--	--	2,800	--
	8/11/2004	N	--	< 0.01 U	< 0.05 U	< 0.05 U	< 0.1 U	--	28.2	30.2	0.85	0.98	--	--	--	--	--	--	2,100	--
	9/15/2004	N	--	< 0.05 U	< 0.2 U	< 0.2 U	< 0.1 U	--	114	115	2.8	2.9	--	--	--	--	--	--	1,320	--
	10/6/2004	N	--	< 0.1 U	0.06	< 0.5 U	< 0.005 U	--	96	97	1.41	1.8	--	--	--	--	--	--	880	--
	11/15/2004	N	--	< 0.01 U	< 0.01 U	< 0.01 U	< 0.1 U	--	110	116	0.16	0.51	--	--	--	--	--	--	1,030	20,600
	12/28/2004	N	--	< 0.1 U	0.1	0.1	< 0.005 U	--	--	172	4.5	3.7	--	--	--	--	--	--	1,070	--
	1/26/2005	N	--	< 0.1 U	< 0.1 U	< 0.1 U	< 0.05 U	--	72.7	77.8	0.3	0.4	--	--	--	--	--	--	350	--
	2/9/2005	N	--	< 0.1 U	< 0.1 U	< 0.1 U	< 0.05 U	--	73.6	50.4	0.3	0.2	--	--	--	--	--	--	400	--
	3/10/2005	N	--	< 0.1 U	< 0.1 U	< 0.1 U	< 0.005 U	--	78.2	74.1	1	0.8	--	--	--	--	--	--	270	--
	4/12/2005	N	--	< 0.1 U	< 0.1 U	< 0.1 U	< 0.05 U	--	92.8	98	1.3	1.4	--	--	--	--	--	--	250	--
	5/12/2005	N	--	< 0.1 U	< 0.1 U	< 0.1 U	< 0.05 U	--	102	106	1.7	1.8	--	--	--	--	--	--	510	--
	6/9/2005	N	--	< 0.05 U	0.07	0.07	< 0.05 U	--	96.1	93.8	0.96	0.98	--	--	--	--	--	--	390	--
	7/7/2005	N	--	< 0.05 U	0.06	0.05	< 0.05 U	--	79.5	82.5	0.88	0.94	--	--	--	--	--	--	340	--
	2/6/2006	N	--	0.0274	--	< 0.015 U	--	< 2 U	--	145	3.49	3.49	< 25 U	< 25 U	< 25 U	< 75 U	< 600 U	< 600 U	146	8,350
	7/20/2006	N	--	0.0287	--	0.02	--	< 0.02 U	--	208	4.55	4.55	< 10 U	< 10 U	< 10 U	< 30 U	< 480 U	6.2	240	11,400
	4/16/2007	N	--	< 0.02 U	--	< 0.015 U	--	< 2 U	--	71.9	1.32	1.32	< 50 U	< 50 U	< 50 U	150	550	4.5	689	--
	4/17/2008	N	--	< 0.5 U	--	< 0.375 U	--	< 2 U	--	197	5.12	5.12	< 20 U	< 20 U	< 20 U	< 60 U	230	2.8	686	11,200
	3/31/2009	N	--	0.0519	--	< 0.015 U	--	< 2 U	--	49.8	2.45	2.45	5.9	5.3	< 5 U	< 15 U	35	0.25	738	6,510
	3/11/2010	N	--	< 0.5 U	--	< 0.500 U	--	0.648	--	7.58	1.1	1.1	< 1 U	< 1 U	< 1 U	< 1 U	2.69	< 0.05 U	638	3,240
	5/25/2012	N	< 0.0500 U	--	< 0.0500 U	--	--	0.268	3.54	--	1.92	--	< 1.00 U	2.79	< 1.00 U	< 1.00 U	--	--	950	5,330
	5/21/2013	N	0.0582	--	0.0241	--	--	< 0.200 U	3.59	--	1.78	--	< 1.00 U	< 2.00 U	< 1.00 U	< 1.00 U	--	--	963	5,700
	5/8/2014	N	0.0567	--	0.00854 J	--	--	< 0.0500 U	3.28	--	1.89	--	< 1.00 U	1.16 J	< 1.00 U	< 1.00 U	--	--	1,020	5,250
	6/4/2015	N	0.0534	--	0.00893 J	--	--	< 0.200 U	3.46 J	--	1.92	--	< 1.00 U	< 2.00 U	< 1.00 U	< 1.00 U	--	--	1,150	5,700
	5/20/2016	N	0.0214	--	0.0136	--	< 0.0548 U	--	--	--	--	--	--	--	--	--	--	--	663	6,110
	5/5/2017	N	0.0179 J	--	0.0108 J	--	< 0.01 U	--	1.54 J	--	1.84 J	--	--	--	--	--	--	--	1030	4,350

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Appendix E
Historical Analytical Data (through 2017)
2021 Annual Groundwater Monitoring Report
Former Eunice North Gas Plant

ARCADIS Design & Consultancy for natural and built assets

		Chemical Name	Dissolved Arsenic	Total Arsenic	Dissolved Chromium	Total Chromium	Dissolved Chromium, Hexavalent	Total Chromium, Hexavalent	Dissolved Iron	Total Iron	Dissolved Manganese	Total Manganese	Benzene	Toluene	Ethylbenzene	Total Xylenes	DRO	GRO	Chloride	TDS
		Units	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	ug/l	ug/l	ug/l	ug/l	mg/l	mg/l	mg/l	mg/l
		NMWQCC Standard	0.01	0.01	0.05	0.05	0.05	0.05	1	1	0.2	0.2	5	1,000	700	620			250	1000
Location ID	Sample Date	Sample Type																		
IW002	9/19/2002	N	--	< 0.05 U	3.17	--	0.32	--	--	--	--	--	< 2 U	< 2 U	< 2 U	< 2 U	< 0.25 U	< 0.05 U	760	3,180
	6/11/2003	N	--	< 0.05 U	4.02	3.92	3.28	--	< 0.1 U	< 0.1 U	< 0.05 U	< 0.05 U	--	--	--	--	--	--	920	--
IW002	6/11/2003	FD	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	940	--
	7/2/2003	N	--	< 0.05 U	< 0.5 U	< 0.5 U	< 0.05 U	--	13	12	8.9	8.2	--	--	--	--	--	--	2,200	--
	7/8/2003	N	--	< 0.05 U	0.09	0.09	< 0.05 U	--	21.9	22.7	1.88	1.97	--	--	--	--	--	--	3,200	--
	7/15/2003	N	--	< 0.05 U	< 0.05 U	< 0.05 U	< 0.1 U < 1 U	--	35.1	40.1	2.18	2.54	--	--	--	--	--	--	3,000	--
	7/30/2003	N	--	< 0.5 U	< 0.5 U	< 0.5 U	0.6	--	37	42	1.2	1.4	--	--	--	--	--	--	2,200	--
	8/21/2003	N	--	< 0.05 U	0.19	0.13	< 0.005 U	--	165	176	5.27	5.59	--	--	--	--	--	--	1,500	--
	9/30/2003	N	--	< 0.05 U	2.04	4.13	< 0.005 U	--	< 0.1 U	158	< 0.05 U	5.23	--	--	--	--	--	--	300	--
	10/29/2003	N	--	< 0.05 U	0.11	0.11	< 0.005 U	--	207	208	5.9	5.93	--	--	--	--	--	--	1,600	--
	12/10/2003	N	--	< 0.05 U	0.15	0.16	< 0.01 U	--	224	247	3.83	4.19	--	--	--	--	--	--	1,230	--
	1/8/2004	N	--	< 0.5 U	< 0.5 U	< 0.5 U	< 0.005 U	--	113	118	3.1	3.2	--	--	--	--	--	--	1,150	17,900
	2/23/2004	N	--	< 0.05 U	0.1	0.11	< 0.05 U	--	140	140	2.64	2.69	--	--	--	--	--	--	860	--
	4/6/2004	N	--	< 0.1 U	< 0.5 U	< 0.5 U	0.3	--	267	266	4	4	--	--	--	--	--	--	1,190	--
	5/13/2004	N	--	< 0.1 U	< 0.5 U	< 0.5 U	< 0.1 U	--	244	322	4.3	5.7	--	--	--	--	--	--	1,600	--
	6/10/2004	N	--	< 0.01 U	0.07	0.09	< 0.1 U	--	105	133	2.33	2.99	--	--	--	--	--	--	1,200	--
	7/8/2004	N	--	< 0.01 U	0.09	0.11	< 0.1 U	--	108	128	3.32	3.91	--	--	--	--	--	--	2,200	--
	7/14/2004	N	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	8/16/2004	N	--	< 0.1 U	< 0.5 U	1.2	< 0.1 U	--	166	177	5.3	7	--	--	--	--	--	--	1,700	--
	9/9/2004	N	--	< 0.01 U	< 0.05 U	< 0.05 U	< 0.05 U	--	6.1	6	0.2	0.2	--	--	--	--	--	--	640	--
	10/7/2004	N	--	< 0.1 U	< 0.5 U	< 0.5 U	< 0.1 U	--	112	118	1.6	1.7	--	--	--	--	--	--	1,640	--
	11/11/2004	N	--	< 0.1 U	< 0.1 U	< 0.1 U	< 1 U	--	98.7	101	2.16	2.16	--	--	--	--	--	--	246	24,400
	12/29/2004	N	--	< 0.1 U	< 0.1 U	< 0.1 U	< 0.01 U	--	170	172	5	5.2	--	--	--	--	--	--	1160	--
	1/19/2005	N	--	< 0.01 U	0.4	0.04	< 0.01 U	--	81	82	3.1	0.32	--	--	--	--	--	--	380	--
	1/27/2005	N	--	< 0.1 U	0.1	0.2	< 0.1 U	--	43.6	64.9	3.5	5.4	--	--	--	--	--	--	490	--
	2/10/2005	N	--	< 0.1 U	< 0.1 U	< 0.1 U	< 0.05 U	--	77.4	86.6	0.3	0.4	--	--	--	--	--	--	280	3,160
	3/15/2005	N	--	< 0.1 U	< 0.1 U	< 0.1 U	< 0.1 U	--	95	93.8	1.4	1.4	--	--	--	--	--	--	210	--
	4/14/2005	N	--	< 0.1 U	< 0.1 U	< 0.1 U	< 0.05 U	--	96.6	96.8	0.9	1	--	--	--	--	--	--	200	--
	5/17/2005	N	--	< 0.1 U	< 0.1 U	1.1	< 0.05 U	--	150	153	1.9	1.9	--	--	--	--	--	--	390	--
	6/15/2005	N	--	< 0.1 U	0.07	0.07	< 0.05 U	--	< 0.4 U	< 0.4 U	1.11	1.17	--	--	--	--	--	--	490	--
	7/12/2005	N	--	< 0.05 U	< 0.05 U	< 0.05 U	< 0.05 U	--	90	90.9	0.53	0.53	--	--	--	--	--	--	280	--
	2/6/2006	N	--	0.0264	--	0.0166	--	< 2 U	--	265	4.62	4.62	30	< 20 U	< 20 U	< 60 U	< 600 U	< 600 U	126	6,750
	7/20/2006	N	--	0.0314	--	0.0154	--	< 0.02 U	--	365	4.58	4.58	< 10 U	< 10 U	< 10 U	< 50 U	< 960 U	6.6	133	11,200
	4/11/2007	N	--	0.1	--	< 0.075 U	--	< 2 U	--	79.8	1.47	1.47	< 100 U	< 100 U	< 100 U	< 300 U	17	< 5 U	317	--
	4/21/2008	N	--	< 0.10 U	--	< 0.075 U	--	< 2 U	--	37.8	1.04	1.04	< 20 U	< 20 U	< 20 U	< 60 U	310	< 0.1 U	371	5,700
	4/6/2009	N	--	< 0.10 U	--	< 0.075 U	--	< 2 U	--	27.9	0.993	0.993	< 50 U	< 50 U	< 50 U	< 150 U	6	< 2.5 U	501	5,090
	3/12/2010	N	--	< 0.50 U	--	< 0.50 U	--	< 0.61 U	--	3.62	< 0.5 U	< 0.5 U	< 1 U	< 1.4 U	< 1 U	< 1 U	1.83	< 0.05 U	183	2,920
	5/25/2012	N	< 0.0500 U	--	< 0.0500 U	--	--	0.462	5.21	--	0.818	--	< 1.00 U	< 2.00 U	< 1.00 U	< 1.00 U	--	--	547	4,430
	5/22/2013	N	< 0.100 U	--	< 0.0500 U	--	--	< 0.200 U	4.97	--	0.863	--	< 1.00 U	< 2.00 U	< 1.00 U	< 1.00 U	--	--	534	3,880
	5/28/2014	N	0.0105 J	--	0.00643 J	--	--	< 0.0500 U	3.29	--	0.737	--	< 1.00 U	< 2.00 U	< 1.00 U	< 1.00 U	--	--	582	3,850
	5/22/2015	N	< 0.0200 U	--	0.00606 J	--	--	< 0.200 U	7.18	--	0.82	--	< 1.00 U	< 2.00 U	< 1.00 U	< 1.00 U	--	--	544	3,020
	5/13/2016	N	0.029	--	0.0095 J	--	< 0.0548 U	--	--	--	--	--	--	--	--	--	--	--	538	3,230
	5/5/2017	N	0.0172	--	0.0116	--	< 0.01 U	--	25.6	--	1.1	--	--	--	--	--	--	--	526	2,960
IW003	12/17/2003	N	--	< 0.05 U	0.27	0.27	0.103	--	< 0.1 U	< 0.1 U	< 0.05 U	< 0.05 U	< 2 U	< 2 U	< 2 U	< 6 U	< 0.25 U	< 0.05 U	1,800	4,380
	6/3/2004	N	--	< 0.01 U	0.11	0.13	< 0.1 U	--	30.8	32.8	33.3	36.8	--	--	--	--	--	--	3,100	--
	7/8/2004	N	--	0.06	0.43	0.17	< 0.1 U	--	61.4	76.1	56.3	61.2	--	--	--	--	--	--	1,500	--
	8/18/2004	N	--	< 0.01 U	0.15	0.16	< 0.1 U	--	69.5	75.6	27.7	31	--	--	--	--	--	--	2,300	--
	10/11/2004	N	--	< 0.1 U	< 0.5 U	< 0.5 U	< 0.1 U	--	187	149	64.4	51.1	--	--	--	--	--	--	1,600	--
	1/6/2005	N	--	< 0.1 U	0.2	0.2	< 0.1 U	--	147	149	52.5	51	--	--	--	--	--	--	640	--
	1/27/2005	N	--	< 0.1 U	< 0.1 U	< 0.1 U	< 0.1 U	--	48.9	61.6	19.8	24	--	--	--	--	--	--	500	--
	2/21/2005	N	--	< 0.1 U	0.1	0.2	< 0.02 U	--	80.8	107	25.8	33.9	--	--	--	--	--	--	660	--
	3/17/2005	N	--	< 0.1 U	0.2	0.2	< 0.1 U	--	115	125	43	54.9	--	--	--	--	--	--	550	--
	4/19/2005	N	--	< 0.1 U	0.2	0.2	< 0.02 U	--	91.7	91.9	37.5	37.5	--	--	--	--	--	--	560	--
	6/1/2005	N	--	< 0.05 U	0.09	0.1	< 0.05 U	--	79	91.3	35.8	41.9	--	--	--	--	--	--	460	--
	6/21/2005	N	--	< 0.05 U	0.16	0.07	< 0.05 U	--	74.3	104	37	40.3	--	--	--	--	--	--	650	--
	7/21/2005	N	--	< 0.05 U	0.1	0.1	< 0.05 U	--	82.5	83.3	16.8	17.2	--	--	--	--	--	--	600	--
	2/6/2006	N	--	0.278	--	0.136	--	< 2 U	--	158	48.5	48.5	< 100 U	< 100 U	< 100 U	< 300 U	< 1200 U	< 5000 U	1,100	34,600
	2/6/2006	FD	--	0.278	--	0.135	--	< 2 U	--	155	47.9	47.9	< 100 U	< 100 U	< 100 U	< 300 U	< 1200 U	< 5000 U	1,130	35,300
	7/25/2006	N	--	0.205	--	0.0305	--	< 2 U	--	4.69	33.5	33.5	< 10 U	< 10 U	< 10 U	< 200 U	720	3.2	1,080	10,600
	4/9/2007	N	--	0.358	--	0.075	--	< 2 U	--	27.3	14.8	14.8	< 50 U	< 50 U	< 50 U	< 15 U	2.4	< 2.5 U	1,130	--
	4/3/2008	N	--	0.254	--	0.075	--	< 2 U	--	26.1	15.3	15.3	< 10 U	< 10 U	< 10 U	< 30 U	3.1	< 0.5 U	1,130	4,440

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Appendix E
Historical Analytical Data (through 2017)
2021 Annual Groundwater Monitoring Report
Former Eunice North Gas Plant

ARCADIS Design & Consultancy for natural and built assets

			Chemical Name	Dissolved Arsenic	Total Arsenic	Dissolved Chromium	Total Chromium	Dissolved Chromium, Hexavalent	Total Chromium, Hexavalent	Dissolved Iron	Total Iron	Dissolved Manganese	Total Manganese	Benzene	Toluene	Ethylbenzene	Total Xylenes	DRO	GRO	Chloride	TDS
			Units	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	ug/l	ug/l	ug/l	ug/l	mg/l	mg/l	mg/l	mg/l
			NMWQCC Standard	0.01	0.01	0.05	0.05	0.05	0.05	1	1	0.2	0.2	5	1,000	700	620			250	1000
Location ID	Sample Date	Sample Type																			
IW003	3/23/2009	N		--	0.188	--	0.0152	--	< 0.20 U	--	22.5	12.5	12.5	< 5 U	< 5 U	< 5 U	< 15 U	2.1	< 0.25 U	1,050	4,400
	3/3/2010	N		--	0.55	--	< 0.50 U	--	< 0.01 U	--	9.25	15.8	15.8	< 1 U	< 2 U	< 1 U	< 1 U	0.625	< 0.05 U	850	2,160
	5/11/2012	N		0.0111	--	< 0.0100 U	--	--	0.115	3.6	--	5.12	--	< 1.00 U	< 2.00 U	< 1.00 U	< 1.00 U	--	--	995 J	4,020
	5/20/2014	N		0.0183 J	--	0.00673 J	--	--	< 0.0500 U	2.22	--	8.57	--	< 1.00 U	< 2.00 U	< 1.00 U	< 1.00 U	--	--	1,070	3,640
	5/12/2015	N		0.029	--	< 0.0100 U	--	--	< 0.0500 U	1.71	--	8.1	--	< 1.00 U	< 2.00 U	< 1.00 U	< 1.00 U	--	--	1,130	3,680
	5/17/2016	N		0.0218	--	0.00855 J	--	< 0.00548 U	--	--	--	--	--	--	--	--	--	--	--	916	2,680
	5/8/2017	N		0.0137	--	0.00781	--	< 0.01 U	--	6.3	--	8.02	--	--	--	--	--	--	--	1,090	2,600
	3/22/2018	Reg		--	0.00717	--	0.00409	--	0.00330 J	3.57	--	--	--	--	--	--	--	--	--	999	2,200
IW004	12/18/2003	N		--	< 0.05 U	0.64	0.62	< 0.005 U	--	< 0.1 U	0.3	< 0.05 U	< 0.05 U	< 2 U	< 2 U	< 2 U	< 6 U	< 0.25 U	< 0.05 U	680	2,450
	6/9/2004	N		--	< 0.01 U	0.16	0.17	< 0.1 U	--	59.3	61.2	48.2	49.8	--	--	--	--	--	--	2,080	--
	7/8/2004	N		--	< 0.01 U	0.19	0.17	1.9	--	101	103	39.1	38.8	--	--	--	--	--	--	2,900	--
	8/18/2004	N		--	< 0.01 U	0.14	0.14	0.1	--	97.1	95.9	36.1	37.6	--	--	--	--	--	--	1,900	--
	10/11/2004	N		--	< 0.1 U	< 0.5 U	< 0.5 U	< 0.1 U	--	74	66	15.9	14.7	--	--	--	--	--	--	1,150	--
	1/6/2005	N		--	< 0.1 U	0.2	0.2	< 0.1 U	--	308	303	47.3	46.7	--	--	--	--	--	--	550	--
	1/27/2005	N		--	< 0.1 U	< 0.1 U	< 0.1 U	< 0.1 U	--	50.4	53.9	10.8	11	--	--	--	--	--	--	310	--
	2/22/2005	N		--	< 0.1 U	0.1	0.1	< 0.1 U	--	97.7	99.4	22.4	22.9	--	--	--	--	--	--	660	--
	3/21/2005	N		--	< 0.1 U	< 0.1 U	0.1	< 0.05 U	--	88.8	133	24.8	43.9	--	--	--	--	--	--	350	--
	4/19/2005	N		--	< 0.1 U	0.1	0.1	< 0.02 U	--	109	109	33	32.8	--	--	--	--	--	--	590	--
	6/1/2005	N		--	< 0.05 U	0.06	0.09	< 0.05 U	--	66	112	18.2	38.7	--	--	--	--	--	--	470	--
	6/21/2005	N		--	< 0.05 U	< 0.05 U	< 0.05 U	< 0.05 U	--	47.2	54.1	13.1	18.1	--	--	--	--	--	--	510	--
	7/21/2005	N		--	< 0.05 U	0.1	0.1	< 0.05 U	--	67	71.2	22.6	24	--	--	--	--	--	--	730	--
	2/6/2006	N		--	0.0547	--	0.0693	--	< 2 U	--	42.9	8.19	8.19	< 25 U	< 25 U	< 25 U	< 75 U	< 600 U	< 800 U	1,430	16,300
	7/25/2006	N		--	0.0618	--	0.0216	--	< 2 U	--	1.92	16.7	16.7	< 10 U	< 10 U	< 10 U	< 30 U	440	1.6	1,320	7,590
	4/9/2007	N		--	0.0612	--	0.0176	--	< 0.2 U	--	4.09	6.84	6.84	< 5 U	< 5 U	< 5 U	< 15 U	0.72	< 0.25 U	1,400	--
	4/3/2008	N		--	0.0218	--	< 0.015 U	--	--	--	< 0.2 U	5.85	5.85	< 5 U	< 5 U	< 5 U	< 15 U	0.35	< 0.25 U	1,610	3,960
	3/23/2009	N		--	< 0.02 U	--	0.0182	--	< 0.02 U	--	< 0.2 U	3.83	3.83	< 1 U	< 1 U	< 1 U	< 3 U	0.39	< 0.05 U	1,570	4,490
	3/4/2010	N		--	< 0.05 U	--	< 0.05 U	--	< 0.01 U	--	0.218	1.68	1.68	< 1 U	< 1 U	< 1 U	< 1 U	--	< 0.05 U	1,760	4,100
	3/17/2010	N		--	--	--	--	--	--	--	--	--	--	--	< 2.00 U	--	--	0.147	--	--	--
	5/11/2012	N		< 0.0100 U	--	0.0128	--	--	0.0125	0.227	--	3.88	--	< 1.00 U	--	< 1.00 U	< 1.00 U	--	--	1190 J	4,390
	5/20/2014	N		< 0.0200 U	--	0.0108	--	--	< 0.0500 U	< 0.200 U	--	3.47	--	< 1.00 U	< 2.00 U	< 1.00 U	< 1.00 U	--	--	972	3,160
	5/12/2015	N		< 0.0200 U	--	0.0173	--	--	< 0.0500 U	< 0.200 U	--	4.17	--	< 1.00 U	< 2.00 U	< 1.00 U	< 1.00 U	--	--	1,010	3,090
	5/17/2016	N		0.00499 J	--	0.0138	--	< 0.00548 U	--	--	--	--	--	--	--	--	--	--	--	904	2,520
	5/8/2017	N		0.00202	--	0.0123	--	< 0.01 U	--	1.68	--	3.97	--	--	--	--	--	--	--	1,000	2,620
IW005	12/18/2003	N		--	--	0.2	--	0.14	--	< 0.1 U	--	< 0.05 U	--	--	--	--	--	--	--	620	1,940
	2/25/2004	N		--	< 0.05 U	--	0.19	--	--	--	0.9	< 0.05 U	< 0.05 U	< 2 U	< 2 U	< 2 U	< 6 U	< 0.25 U	< 0.05 U	--	--
	6/9/2004	N		--	< 0.01 U	0.11	0.12	< 0.1 U	--	55	61.2	15.1	16.8	--	--	--	--	--	--	1,920	--
	7/8/2004	N		--	< 0.01 U	0.1	0.12	< 0.1 U	--	55.1	64.3	7.63	9.3	--	--	--	--	--	--	2,100	--
	8/18/2004	N		--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	10/11/2004	N		--	< 0.1 U	< 0.5 U	< 0.5 U	< 0.1 U	--	148	170	12.1	11.1	--	--	--	--	--	--	1,340	--
	12/1/2004	N		--	< 0.01 U	0.52	0.51	< 0.005 U	--	196	226	18.4	22.8	--	--	--	--	--	--	1,160	25,000
	1/6/2005	N		--	< 0.1 U	0.4	0.4	< 0.1 U	--	170	163	12.8	11.7	--	--	--	--	--	--	490	--
	1/27/2005	N		--	< 0.1 U	< 0.1 U	< 0.1 U	< 0.1 U	--	24.4	34.2	1.4	2.1	--	--	--	--	--	--	190	--
	2/22/2005	N		--	< 0.1 U	0.3	0.3	< 0.1 U	--	118	111	7.8	7.4	--	--	--	--	--	--	430	--
	3/21/2005	N		--	< 0.1 U	0.1	0.1	< 0.05 U	--	66.4	60.5	4.5	6	--	--	--	--	--	--	270	--
	4/20/2005	N		--	< 0.1 U	0.1	0.1	< 0.05 U	--	68.7	64.1	5.3	6.1	--	--	--	--	--	--	270	--
	6/1/2005	N		--	< 0.05 U	0.18	0.2	< 0.05 U	--	85.6	101	6.07	8.15	--	--	--	--	--	--	330	--
	6/22/2005	N		--	< 0.05 U	0.11	0.09	< 0.05 U	--	60	56.9	3.24	3.75	--	--	--	--	--	--	370	--
	7/13/2005	N		--	< 0.1 U	0.4	0.3	< 0.05 U	--	129	95.3	5.7	3.9	--	--	--	--	--	--	430	--
	2/6/2006	N		--	0.0595	--	0.591	--	< 2 U	--	197	15.6	15.6	< 100 U	< 100 U	< 100 U	< 300 U	< 1200 U	< 3000 U	781	24,500
	7/26/2006	N		--	0.096	--	0.252	--	< 2 U	--	49.3	19	19	< 10 U	< 10 U	< 10 U	< 30 U	1500	24	887	14,300
	3/27/2007	N		--	0.272	--	0.135	--	< 2 U	--	13.8	3.14	3.14	< 100 U	< 100 U	< 100 U	< 300 U	3600	5000	964	--
	4/12/2007	N		--	0.329	--	0.102	--	< 2 U	--	6.33	2.15	2.15	< 100 U	< 100 U	< 100 U	< 300 U	3.6	< 5 U	1,210	--
	4/1/2008	N		--	0.154	--	0.0781	--	< 1 U	--	23.5	4.69	4.69	< 5 U	< 5 U	< 5 U	< 15 U	3.2	< 0.25 U	1,140	4,890
	3/23/2009	N		--	0.0971	--	0.0311	--	< 0.2 U	--	6.21	1.8	1.8	< 5 U	< 5 U	< 5 U	< 15 U	1.5	< 0.25 U	1,690	4,790
	3/4/2010	N		--	< 0.5 U	--	< 0.50 U	--	0.148	--	8.16	5.98	5.98	< 1 U	1.4	< 1 U	< 1 U	--	< 0.05 U	1,010	3,860
	3/16/2010	N		--	--	--	--	--	--	--	--	--	--	--	--	--	--	0.704	--	--	--
	5/11/2012	N		< 0.0100 U	--	0.0162	--	--	0.109	3.25	--	3.78	--	< 1.00 U	< 2.00 U	< 1.00 U	< 1.00 U	--	--	990 J	3,920
	5/7/2013	N		0.0165 J	--	0.0129	--	--	< 0.0100 U	1.61	--	1.07	--	< 1.00 U	< 2.00 U	< 1.00 U	< 1.00 U	--	--	860	2,990
	5/16/2014	N		0.00973 J	--	0.0109	--	--	< 0.0100 U	0.822	--	2.16	--	< 1.00 U	< 2.00 U	< 1.00 U	< 1.00 U	--	--	850	2,830
	5/19/2015	N		0.0124 J	--	0.0119	--	--	< 0.0500 R	0.623 J	--	2.92	--	< 1.00 U	< 2.00 U	< 1.00 U	< 1.00 U	--	--	904	3,210
	5/17/2016	N		0.0267	--	0.0119	--	< 0.00548 U	--	--	--	--	--	--	--	--	--	--	--	782	3,220
	5/17/2016	FD		0.0212	--	0.0122	--	< 0.00548 U	--	--	--	--	--	--	--	--	--	--	--	732	2,820

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		Chemical Name	Dissolved Arsenic	Total Arsenic	Dissolved Chromium	Total Chromium	Dissolved Chromium, Hexavalent	Total Chromium, Hexavalent	Dissolved Iron	Total Iron	Dissolved Manganese	Total Manganese	Benzene	Toluene	Ethylbenzene	Total Xylenes	DRO	GRO	Chloride	TDS
		Units	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	ug/l	ug/l	ug/l	ug/l	mg/l	mg/l	mg/l	mg/l
		NMWQCC Standard	0.01	0.01	0.05	0.05	0.05	0.05	1	1	0.2	0.2	5	1,000	700	620			250	1000
Location ID	Sample Date	Sample Type																		
IW006	5/8/2017	N	0.0186	--	0.0124	--	< 0.01 U	--	10.9	--	2.73	--	--	--	--	--	--	--	822	2,400
	12/18/2003	N	--	< 0.05 U	--	0.06	0.03	--	--	1.7	0.07	0.07	--	--	--	--	--	--	550	1,640
	2/25/2004	N	--	--	0.07	--	--	--	< 0.1 U	--	< 0.05 U	--	< 2 U	< 2 U	< 2 U	< 6 U	< 0.25 U	< 0.05 U	--	--
	6/9/2004	N	--	< 0.01 U	0.13	0.17	< 0.1 U	--	96.9	114	37.7	50.1	--	--	--	--	--	--	2,700	--
	7/20/2004	N	--	< 0.01 U	0.15	0.17	< 0.1 U	--	105	135	28.8	35.8	--	--	--	--	--	--	2,600	--
IW006	8/18/2004	N	--	0.04	0.12	0.11	< 0.1 U	--	95.5	93.1	19	18.5	--	--	--	--	--	--	2,100	--
	10/13/2004	N	--	< 0.1 U	< 0.5 U	< 0.5 U	< 0.005 U	--	169	202	22	26.5	--	--	--	--	--	--	1,620	--
	12/1/2004	N	--	< 0.01 U	0.36	0.41	0.008	--	272	313	36.4	41.3	--	--	--	--	--	--	1,740	41,500
	1/10/2005	N	--	< 0.1 U	0.3	0.3	< 0.1 U	--	230	240	32.4	35.3	--	--	--	--	--	--	880	--
	1/31/2005	N	--	< 0.1 U	0.2	0.2	< 0.05 U	--	128	168	22.4	30	--	--	--	--	--	--	470	--
	2/22/2005	N	--	< 0.1 U	0.3	0.3	< 0.1 U	--	155	173	21.5	24.4	--	--	--	--	--	--	650	--
	3/22/2005	N	--	< 0.1 U	0.2	0.2	< 0.005 U	--	133	181	22.9	33.1	--	--	--	--	--	--	470	--
	4/20/2005	N	--	< 0.1 U	0.3	0.2	< 0.05 U	--	142	137	21.5	22.7	--	--	--	--	--	--	520	--
	5/31/2005	N	--	< 0.1 U	7.8	0.2	< 0.05 U	--	160	151	23.7	25.9	--	--	--	--	--	--	590	--
	6/22/2005	N	--	< 0.05 U	0.18	0.16	< 0.05 U	--	106	104	16.4	17.6	--	--	--	--	--	--	510	--
	7/13/2005	N	--	< 0.1 U	0.2	0.2	< 0.05 U	--	117	114	16.8	17.4	--	--	--	--	--	--	590	--
IW006	2/7/2006	N	--	0.118	--	0.286	--	< 2 U	--	184	41.5	41.5	< 100 U	< 100 U	< 100 U	< 300 U	< 1200 U	< 4000 U	628	37,300
	2/7/2006	FD	--	0.117	--	0.319	--	< 2 U	--	189	36.5	36.5	< 100 U	< 100 U	< 100 U	< 300 U	< 1200 U	< 4000 U	622	37,300
	7/26/2006	N	--	0.288	--	0.0643	--	< 2 U	--	5.41	10.4	10.4	< 10 U	< 10 U	< 10 U	< 30 U	32	2.4	772	6,450
	3/27/2007	N	--	0.203	--	0.0592	--	< 2 U	--	16.4	6.21	6.21	< 100 U	< 100 U	< 100 U	< 300 U	2.1	5000	832	--
	4/12/2007	N	--	0.16	--	0.04	--	< 2 U	--	10.1	3.6	3.6	< 100 U	< 100 U	< 100 U	< 300 U	2.1	< 5 U	900	--
	4/1/2008	N	--	0.129	--	0.0287	--	< 1 U	--	8.04	6.46	6.46	< 5 U	< 5 U	< 5 U	< 15 U	1.4	0.31	1,000	3,660
	3/19/2009	N	--	0.0761	--	0.016	--	< 1 U	--	6.9	5.59	5.59	< 5 U	< 5 U	< 5 U	< 15 U	0.67	< 0.25 U	915	3,400
	3/4/2010	N	--	< 0.05 U	--	< 0.05 U	--	0.065	--	1.67	4.69	4.69	< 1 U	< 1 U	< 1 U	< 1 U	--	< 0.05 U	887	3,640
	3/16/2010	N	--	--	--	--	--	--	--	--	--	--	--		--	--	0.206	--	--	--
	5/11/2012	N	< 0.0100 U	--	< 0.0100 U	--	--	0.0276	0.96	--	2.5	--	< 1.00 U	< 2.00 U	< 1.00 U	< 1.00 U	--	--	835 J	3,530
	5/7/2013	N	< 0.0200 U	--	0.00531 J	--	--	< 0.0100 U	0.513	--	1.32	--	< 1.00 U	< 2.00 U	< 1.00 U	< 1.00 U	--	--	798	2,920
	5/16/2014	N	0.0197 J	--	0.00793 J	--	--	< 0.0100 U	1.19	--	4.58	--	< 1.00 U	< 2.00 U	< 1.00 U	< 1.00 U	--	--	794	2,790
	5/19/2015	N	0.0317	--	0.00717 J	--	--	< 0.0100 R	0.598 J	--	5.02	--	< 1.00 U	< 2.00 U	< 1.00 U	< 1.00 U	--	--	835	3,630
	5/17/2016	N	0.0254	--	0.0077 J	--	--	< 0.00548 U	--	--	--	--	--	--	--	--	--	--	716	2,400
	5/8/2017	N	0.0196	--	0.00869	--	< 0.01 U	--	3.93	--	4.15	--	--	--	--	--	--	--	741	2,150
IW007	12/18/2003	N	--	< 0.05 U	--	< 0.05 U	< 0.005 U	--	--	3.8	0.05	0.05	--	--	--	--	--	--	--	--
	2/26/2004	N	--	< 0.01 U	--	< 0.01 U	--	--	--	0.73	0.01	0.01	< 2 U	< 2 U	< 2 U	< 6 U	< 0.3 U	< 0.05 U	840	2,120
	6/9/2004	N	--	< 0.01 U	0.07	0.08	< 0.1 U	--	31.7	39.9	6.01	7.56	--	--	--	--	--	--	1630	--
	7/20/2004	N	--	< 0.01 U	0.1	0.11	< 0.1 U	--	68.4	74.6	13.5	15.1	--	--	--	--	--	--	2300	--
	8/19/2004	N	--	< 0.01 U	0.14	0.13	< 0.1 U	--	108	96.2	7.61	7.15	--	--	--	--	--	--	2500	--
	10/13/2004	N	--	< 0.1 U	< 0.5 U	< 0.5 U	< 0.005 U	--	186	217	11.1	11.2	--	--	--	--	--	--	1590	--
	12/2/2004	N	--	< 0.1 U	0.2	0.2	< 0.005 U	--	152	181	16.8	15.8	--	--	--	--	--	--	1370	27,100
	1/10/2005	N	--	< 0.1 U	0.1	0.1	< 0.005 U	--	141	137	7.4	7.6	--	--	--	--	--	--	510	--
	1/31/2005	N	--	< 0.1 U	< 0.1 U	< 0.1 U	< 0.05 U	--	74	95.8	4.6	6.2	--	--	--	--	--	--	300	--
	2/22/2005	N	--	< 0.1 U	0.1	0.1	< 0.1 U	--	154	160	11.3	11.9	--	--	--	--	--	--	450	--
	3/22/2005	N	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	4/20/2005	N	--	< 0.1 U	< 0.1 U	< 0.1 U	< 0.05 U	--	100	105	7.8	8.2	--	--	--	--	--	--	300	--
	5/31/2005	N	--	< 0.1 U	0.3	< 0.1 U	< 0.05 U	--	144	122	23.2	9.9	--	--	--	--	--	--	420	--
	6/22/2005	N	--	< 0.05 U	0.06	0.07	< 0.05 U	--	74.6	84.2	5.26	5.95	--	--	--	--	--	--	470	--
	7/13/2005	N	--	< 0.1 U	< 0.1 U	< 0.1 U	< 0.05 U	--	90.8	90.7	5.5	5.5	--	--	--	--	--	--	540	--
	2/7/2006	N	--	0.125	--	0.185	--	< 2 U	--	213	21.5	21.5	< 100 U	< 100 U	< 100 U	< 300 U	< 1200 U	< 5000 U	572	49,600
	7/26/2006	N	--	0.0599	--	0.118	--	< 2 U	--	44.9	16.2	16.2	< 25 U	< 25 U	< 25 U	< 75 U	3600	21	527	26,800
	3/26/2007	N	--	0.0622	--	0.171	--	< 2 U	--	69.3	27.5	27.5	< 100 U	< 100 U	< 100 U	< 300 U	3600	13	637	--
	4/1/2008	N	--	0.0464	--	0.114	--	< 2 U	--	93.5	31.8	31.8	< 10 U	< 10 U	< 10 U	< 30 U	3000	8.3	714	26,300
	3/19/2009	N	--	0.299	--	0.0706	--	< 2 U	--	14	2.03	2.03	6.9	< 5 U	< 5 U	< 15 U	6.6	0.4	880	5,550
	3/4/2010	N	--	< 0.5 U	--	< 0.50 U	--	0.469	--	23.4	5.83	5.83	< 1 U	1.4	1.1	< 1 U	2.46	< 0.05 U	821	4,500
	5/15/2012	N	0.131 J	--	0.036	--	--	0.67	15.3	--	4.43	--	< 1.00 UJ	< 2.00 UJ	< 1.00 UJ	< 1.00 UJ	--	--	884 J	4,200
	5/7/2013	N	0.107	--	0.0444 J	--	--	< 0.0100 U	10.2	--	3.98	--	< 1.00 U	< 2.00 U	< 1.00 U	< 1.00 U	--	--	861	4,050
	5/29/2014	N	0.0423	--	0.0253	--	--	< 0.100 U	9.32	--	4.25	--	< 1.00 U	< 2.00 U	< 1.00 U	< 1.00 U	--	--	835	4,490
	5/19/2015	N	0.0404	--	0.0223	--	--	< 0.0500 R	7.15 J	--	4.61	--	< 1.00 U	< 2.00 U	< 1.00 U	< 1.00 U	--	--	870	4,140
	5/17/2016	N	0.122	--	0.0402	--	< 0.00548 U	--	--	--	--	--	--	--	--	--	--	--	829	3,350
	5/8/2017	N	0.0843	--	0.0192	--	< 0.01 U	--	17.1	--	3.93	--	--	--	--	--	--	--	893	2,570
IW008	2/26/2004	N	--	< 0.01 U	< 0.05 U	0.02	< 0.005 U	--	< 0.1 U	10.3	< 0.05 U	0.18	--	--	--	--	--	--	210	880
	6/9/2004	N	--	< 0.01 U	0.06	0.07	< 0.1 U	--	35.3	37.2	6.07	6.56	--	--	--	--	--	--	1,010	--
	7/20/2004	N	--	< 0.01 U	0.16	0.18	< 0.1 U	--	87.3	96.1	13.2	16	--	--	--	--	--	--	1,800	--
	8/19/2004	N	--	< 0.01 U	0.06	0.07	< 0.1 U	--	59.9	65.6	5.36	6.57	--	--	--	--	--	--	1,200	--

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Appendix E
Historical Analytical Data (through 2017)
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Location ID	Sample Date	Sample Type	Chemical Name	Dissolved Arsenic	Total Arsenic	Dissolved Chromium	Total Chromium	Dissolved Chromium, Hexavalent	Total Chromium, Hexavalent	Dissolved Iron	Total Iron	Dissolved Manganese	Total Manganese	Benzene	Toluene	Ethylbenzene	Total Xylenes	DRO	GRO	Chloride	TDS
			Units	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	ug/l	ug/l	ug/l	ug/l	mg/l	mg/l	mg/l	mg/l
			NMWQCC Standard	0.01	0.01	0.05	0.05	0.05	0.05	1	1	0.2	0.2	5	1,000	700	620			250	1000
IW008	10/13/2004	N		--	< 0.1 U	< 0.5 U	< 0.5 U	< 0.005 U	--	135	221	6.1	10.3	--	--	--	--	--	--	1,090	--
	12/2/2004	N		--	< 0.1 U	0.1	0.1	0.036	--	127	134	10.8	10.5	--	--	--	--	--	--	730	14,400
	1/11/2005	N		--	< 0.1 U	0.1	< 0.1 U	< 0.1 U	--	105	106	7.4	7.5	--	--	--	--	--	--	490	--
	2/2/2005	N		--	< 0.1 U	1.2	1.6	< 0.05 U	--	110	227	5.6	11.8	--	--	--	--	--	--	260	--
	2/23/2005	N		--	< 0.1 U	0.1	0.1	< 0.1 U	--	137	141	6	5.8	--	--	--	--	--	--	370	--
	3/22/2005	N		--	< 0.1 U	< 0.1 U	0.1	< 0.005 U	--	93.6	121	3.3	4.4	--	--	--	--	--	--	230	--
	4/25/2005	N		--	< 0.01 U	0.11	0.11	< 0.05 U	--	113	114	3.93	4.01	--	--	--	--	--	--	240	--
	5/31/2005	N		--	< 0.1 U	< 0.1 U	< 0.1 U	< 0.01 U	--	95.7	98.1	4.1	4	--	--	--	--	--	--	260	--
	6/22/2005	N		--	< 0.05 U	0.05	0.06	< 0.05 U	--	58.1	68.9	1.87	2.2	--	--	--	--	--	--	240	--
	7/13/2005	N		--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	2/7/2006	N		--	0.0674	--	0.128	--	< 2 U	--	156	10.4	10.4	< 100 U	< 100 U	< 100 U	< 300 U	< 1200 U	< 2000 U	382	12,300
	7/26/2006	N		--	0.161	--	0.023	--	< 2 U	--	3	2.86	2.86	< 25 U	< 25 U	< 25 U	< 75 U	6.1	7.7	572	4,590
	7/26/2006	FD		--	0.163	--	0.0244	--	< 2 U	--	3.24	2.95	2.95	< 25 U	< 25 U	< 25 U	< 75 U	6.2	4.1	531	4,660
	3/23/2007	N		--	0.287	--	0.0249	--	0.1	--	21.2	4.09	4.09	< 1 U	< 1 U	< 1 U	< 3 U	3.9	0.082	574	--
	4/1/2008	N		--	0.144	--	0.0166	--	< 1 U	--	20.3	4.17	4.17	< 5 U	< 5 U	< 5 U	< 15 U	1.7	0.36	576	3,480
	3/19/2009	N		--	0.0783	--	< 0.015 U	--	< 1 U	--	13.3	3.7	3.7	< 5 U	< 5 U	< 5 U	< 15 U	0.91	< 0.250 U	604	3,030
	3/4/2010	N		--	< 0.05 U	--	< 0.05 U	--	0.087	--	2.11	3.88	3.88	< 1 U	< 1 U	< 1 U	< 1 U	0.409	< 0.05 U	64.7	2,780
	5/15/2012	N		0.0335 J	--	< 0.0100 U	--	--	< 0.0100 U	1.39	--	2.86	--	< 1.00 UJ	27.2 J	< 1.00 UJ	< 1.00 UJ	--	--	566 J	2,430
	5/7/2013	N		0.0192 J	--	0.00472 J	--	--	< 0.0100 U	0.679	--	2.6	--	< 1.00 U	< 2.00 U	< 1.00 U	< 1.00 U	--	--	529	2,340
	5/20/2014	N		0.00642 J	--	0.00377 J	--	--	< 0.0500 U	< 0.200 U	--	2.21	--	< 1.00 U	< 2.00 U	< 1.00 U	< 1.00 U	--	--	530	2,550
	5/20/2014	FD		0.00756 J	--	0.00383 J	--	--	< 0.0500 U	< 0.200 UJ	--	2.24	--	< 1.00 U	< 2.00 U	< 1.00 U	< 1.00 U	--	--	530	2,250
	5/19/2015	N		0.0204	--	0.00445 J	--	--	< 0.0500 R	< 0.200 UJ	--	2.35	--	< 1.00 U	< 2.00 U	< 1.00 U	< 1.00 U	--	--	574	2,480
	5/17/2016	N		0.0506	--	0.00425 J	--	< 0.00548 U	--	--	--	--	--	--	--	--	--	--	--	490	2,130
	5/8/2017	N		0.033	--	0.00545	--	< 0.01 U	--	5.22	--	1.93	--	--	--	--	--	--	--	608	1,900
	5/8/2017	FD		0.0323	--	0.00515	--	< 0.01 U	--	5.34	--	1.97	--	--	--	--	--	--	--	584	1,710
	3/22/2018	Reg		--	0.0248	--	0.00370 J	--	< 0.0100 U	4.24	--	--	1.58	--	--	--	--	--	--	707	2,060
IW009	6/9/2004	N		--	< 0.01 U	0.1	0.11	< 0.1 U	--	80	107	8.29	10.1	--	--	--	--	--	--	2,250	--
	7/20/2004	N		--	< 0.01 U	0.1	0.13	< 0.1 U	--	118	165	12.6	15.9	--	--	--	--	--	--	2,600	--
	8/19/2004	N		--	< 0.01 U	0.07	0.08	< 0.1 U	--	80.9	88.3	2.82	3.74	--	--	--	--	--	--	1,800	--
	10/14/2004	N		--	< 0.1 U	< 0.5 U	< 0.5 U	< 0.005 U	--	238	236	15.5	15.2	--	--	--	--	--	--	1,730	--
	12/6/2004	N		--	< 0.1 U	0.18	0.24	< 0.05 U	--	263	350	17.4	23.3	--	--	--	--	--	--	1,500	35,800
	1/11/2005	N		--	< 0.1 U	0.2	0.2	< 0.1 U	--	222	230	12.7	13.1	--	--	--	--	--	--	810	--
	2/2/2005	N		--	< 0.01 U	2.2	0.11	< 0.05 U	--	457	26	23.7	1.36	--	--	--	--	--	--	590	--
	2/23/2005	N		--	< 0.1 U	0.1	0.1	< 0.1 U	--	196	205	10.2	9.4	--	--	--	--	--	--	580	--
	3/23/2005	N		--	< 0.1 U	0.1	0.1	< 0.005 U	--	249	247	12.7	12.7	--	--	--	--	--	--	480	--
	4/25/2005	N		--	< 0.01 U	0.11	0.12	< 0.05 U	--	162	181	8.94	9.66	--	--	--	--	--	--	510	--
	5/31/2005	N		--	< 0.1 U	0.2	0.2	< 0.05 U	--	182	193	9.7	10.3	--	--	--	--	--	--	430	--
	6/23/2005	N		--	< 0.05 U	0.08	0.09	< 0.05 U	--	145	150	7.79	8.12	--	--	--	--	--	--	580	--
	7/13/2005	N		--	< 0.1 U	< 0.1 U	< 0.1 U	< 0.05 U	--	120	114	6.6	6.2	--	--	--	--	--	--	680	--
	2/7/2006	N		--	0.138	--	0.121	--	< 2 U	--	180	18.1	18.1	< 100 U	< 100 U	< 100 U	< 300 U	< 1200 U	< 4000 U	606	59,500
	7/27/2006	N		--	0.0982	--	0.0557	--	< 2 U	--	79.8	13.3	13.3	< 25 U	< 25 U	< 25 U	< 75 U	2100	3.9	434	18,100
	3/23/2007	N		--	--	--	--	--	< 0.4 U	--	--	--	--	< 25 U	< 1 U	4.8	< 10 U	< 5000 U	14	--	--
	3/31/2008	N		--	0.0562	--	0.0438	--	--	--	52.6	24.3	24.3	< 10 U	< 5 U	< 5 U	< 15 U	--	6	694	20,000
	3/19/2009	N		--	< 0.1 U	--	< 0.075 U	--	--	--	46.1	25.9	25.9	12	< 10 U	5.9	< 30 U	--	3.4	--	--
	3/4/2010	N		--	< 0.5 U	--	< 0.50 U	--	0.586	--	34.1	36.9	36.9	2.1	< 1 U	< 1 U	< 1 U	--	0.785	1,000	17,500
	5/20/2014	N		0.0186 J	--	0.00746 J	--	--	< 0.0500 U	1.61	--	5.23	--	< 1.00 U	< 2.00 U	< 1.00 U	< 1.00 U	--	--	709	4,350
IW010	12/18/2003	N		--	< 0.05 U	--	0.09	0.05	--	--	2	0.05	0.05	--	--	--	--	--	--	330	2,780
	2/26/2004	N		--	< 0.01 U	0.13	0.14	--	--	0.9	6.04	0.06	0.12	< 2 U	< 2 U	< 2 U	< 6 U	< 0.25 U	< 0.05 U	--	--
	6/9/2004	N		--	< 0.01 U	0.08	0.09	< 0.1 U	--	25.4	27.2	42.2	46	--	--	--	--	--	--	2,050	--
	7/21/2004	N		--	< 0.01 U	0.14	0.17	< 0.1 U	--	--	67.3	91.5	105	--	--	--	--	--	--	2,300	--
	8/19/2004	N		--	< 0.01 U	0.27	0.23	< 0.1 U	--	160	138	68.9	58.6	--	--	--	--	--	--	2,300	--
	10/14/2004	N		--	< 0.1 U	< 0.5 U	< 0.5 U	< 0.005 U	--	348	354	< 0.5 U	< 0.5 U	--	--	--	--	--	--	2,000	--
	12/7/2004	N		--	< 0.05 U	0.71	0.79	< 0.05 U	--	551	580	224	236	--	--	--	--	--	--	1,930	--
	1/11/2005	N		--	< 0.1 U	0.4	0.4	< 0.1 U	--	343	344	133	134	--	--	--	--	--	--	1,510	--
	2/2/2005	N		--	< 0.1 U	1.9	2.1	< 0.05 U	--	655	639	14.1	13.8	--	--	--	--	--	--	1,380	--
	2/24/2005	N		--	< 0.1 U	0.3	0.4	< 0.1 U	--	279	397	102	147	--	--	--	--	--	--	1,400	--
	2/25/2005	N		--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	3/23/2005	N		--	< 0.1 U	0.4	0.4	< 0.005 U	--	355	352	< 0.1 U	< 0.1 U	--	--	--	--	--	--	1,110	--
	4/25/2005	N		--	< 0.01 U	0.43	0.44	< 0.05 U	--	359	359	125	125	--	--	--	--	--	--	1,190	--
	5/31/2005	N		--	< 0.1 U	0.5	1.5	< 0.05 U	--	306	622	101	< 0.1 U	--	--	--	--	--	--	1,140	--
	6/23/2005	N		--	< 0.05 U	0.37	0.42	< 0.05 U	--	312	353	< 0.05 U	< 0.05 U	--	--	--	--	--	--	1,120	--
	7/13/2005	N		--	< 0.1 U	0.4	0.4	< 0.05 U	--	368	355	84.5	81.4	--	--	--	--	--	--	940	--

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Former Eunice North Gas Plant

ARCADIS Design & Consultancy for natural and built assets

Location ID	Sample Date	Sample Type	Chemical Name	Dissolved Arsenic	Total Arsenic	Dissolved Chromium	Total Chromium	Dissolved Chromium, Hexavalent	Total Chromium, Hexavalent	Dissolved Iron	Total Iron	Dissolved Manganese	Total Manganese	Benzene	Toluene	Ethylbenzene	Total Xylenes	DRO	GRO	Chloride	TDS
			Units	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	ug/l	ug/l	ug/l	ug/l	mg/l	mg/l	mg/l	mg/l
			NMWQCC Standard	0.01	0.01	0.05	0.05	0.05	0.05	1	1	0.2	0.2	5	1,000	700	620			250	1000
	2/7/2006	N		--	0.0906	--	0.11	--	< 2 U	--	117	42.4	42.4	< 100 U	< 100 U	< 100 U	< 300 U	< 1200 U	< 2000 U	970	12,500
	7/27/2006	N		--	0.0605	--	0.0236	--	< 2 U	--	5.43	9.86	9.86	< 25 U	< 25 U	< 25 U	< 75 U	1.2	< 1.3 U	971	3,990
IW010	3/23/2007	N		--	0.397	--	0.0198	--	0.2	--	15.3	10.9	10.9	< 5 U	< 1 U	< 1 U	< 3 U	0.65	< 0.05 U	1,020	--
	3/31/2008	N		--	0.0411	--	< 0.015 U	--	< 0.5 U	--	17.4	11	11	< 5 U	< 5 U	< 5 U	< 15 U	< 0.19 U	< 0.025 U	1,130	2,860
	3/19/2009	N		--	0.0208	--	< 0.015 U	--	< 0.02 U	--	18.1	11.7	11.7	< 5 U	< 5 U	< 5 U	< 15 U	0.12	< 0.250 U	1,150	3,290
	3/4/2010	N		--	0.074	--	< 0.050 U	--	< 0.050 U	--	6.88	11.4	11.4	< 1 U	< 1 U	< 1 U	< 1 U	0.126	0.33	1,100	3,180
	5/15/2012	N		< 0.0100 UJ	--	< 0.0100 U	--	--	0.0257	1.86	--	10.1	--	< 1.00 UJ	< 2.00 UJ	< 1.00 UJ	< 1.00 UJ	--	--	1090 J	3,960
	5/7/2013	N		< 0.0200 U	--	0.00403 J	--	--	< 0.0100 U	0.0813 J	--	9.17	--	< 1.00 U	< 2.00 U	< 1.00 U	< 1.00 U	--	--	1,040	3,350
	5/19/2014	N		< 0.0200 U	--	0.00147 J	--	--	< 0.0500 U	< 0.200 U	--	10.1	--	< 1.00 U	< 2.00 U	< 1.00 U	< 1.00 U	--	--	1,030	3,310
	5/18/2015	N		0.00921 J	--	0.00158 J	--	--	< 0.0100 R	0.453 J	--	10.1	--	< 1.00 U	< 2.00 U	< 1.00 U	< 1.00 U	--	--	1,030	3,590
	5/17/2016	N		0.0164	--	< 0.00136 U	--	< 0.00548 U	--	--	--	--	--	--	--	--	--	--	--	884	3,150
	5/8/2017	N		0.00571	--	< 0.004 U	--	0.0062 J	--	11	--	7.31	--	--	--	--	--	--	--	913	3,080
	3/22/2018	Reg		--	0.00789	--	0.00191 J	--	< 0.0100 U	8.83	--	--	5.01	--	--	--	--	--	--	906	2,940
	12/18/2003	N		--	< 0.05 U	< 0.05 U	< 0.05 U	0.032	--	< 0.1 U	2	< 0.05 U	< 0.5 U	< 2 U	< 2 U	< 2 U	< 6 U	< 0.25 U	< 0.05 U	1,050	2,960
	6/8/2004	N		--	< 0.01 U	< 0.05 U	0.05	< 0.1 U	--	30.9	36.5	5.37	6.36	--	--	--	--	--	--	1,500	--
	7/21/2004	N		--	< 0.01 U	0.05	0.09	< 0.1 U	--	80.3	89.3	18.4	21.5	--	--	--	--	--	--	2,100	--
	8/19/2004	N		--	< 0.01 U	0.06	0.06	< 0.1 U	--	54.6	57.6	3.59	4.23	--	--	--	--	--	--	2,000	--
	10/14/2004	N		--	< 0.1 U	< 0.5 U	< 0.5 U	< 0.005 U	--	74	63	5	4.7	--	--	--	--	--	--	740	--
	12/7/2004	N		--	< 0.05 U	0.2	0.26	< 0.05 U	--	333	403	32.9	41.8	--	--	--	--	--	--	1,100	--
	1/12/2005	N		--	< 0.01 U	< 0.1 U	< 0.1 U	< 0.1 U	--	89	97.8	5	0.38	--	--	--	--	--	--	350	--
	2/2/2005	N		--	< 0.1 U	1	1.4	< 0.05 U	--	95.2	147	6.6	13.5	--	--	--	--	--	--	330	--
	2/24/2005	N		--	< 0.1 U	< 0.1 U	< 0.1 U	< 0.1 U	--	75.5	104	6.3	8.8	--	--	--	--	--	--	470	--
	3/23/2005	N		--	< 0.1 U	< 0.1 U	< 0.1 U	< 0.005 U	--	48.5	62.7	3.7	5.9	--	--	--	--	--	--	230	--
	4/26/2005	N		--	< 0.1 U	< 0.1 U	< 0.1 U	< 0.05 U	--	93.5	97.3	7.5	8.2	--	--	--	--	--	--	360	--
	5/26/2005	N		--	< 0.1 U	< 0.1 U	< 0.1 U	< 0.05 U	--	52.7	84.6	5	10.3	--	--	--	--	--	--	380	--
IW011	6/23/2005	N		--	< 0.05 U	< 0.05 U	< 0.05 U	< 0.05 U	--	37.9	39.1	2.85	3.11	--	--	--	--	--	--	320	--
	7/14/2005	N		--	< 0.1 U	< 0.1 U	< 0.1 U	< 0.05 U	--	50.2	48.1	2.5	2.4	--	--	--	--	--	--	490	--
	2/8/2006	N		--	0.0537	--	0.0694	--	< 2 U	--	161	11.6	11.6	< 100 U	< 100 U	< 100 U	< 300 U	< 600 U	< 4000 U	624	25,000
	7/26/2006	N		--	0.0257	--	0.0272	--	< 2 U	--	57	11.8	11.8	< 25 U	< 25 U	< 25 U	< 75 U	1700	18	908	13,600
	3/22/2007	N		--	0.108	--	0.0317	--	< 1 U	--	10.8	2.41	2.41	< 100 U	< 100 U	< 100 U	< 300 U	110	< 5 U	980	--
	3/31/2008	N		--	0.187	--	0.0263	--	< 2.0 U	--	8.03	2.7	2.7	< 5 U	< 5 U	< 5 U	< 15 U	5.1	< 0.025 U	1,080	5,340
	3/18/2009	N		--	0.0874	--	< 0.015 U	--	< 0.002 U	--	4.4	2.18	2.18	< 5 U	< 5 U	< 5 U	< 15 U	2.2	< 0.250 U	1,000	4,320
	3/4/2010	N		--	< 0.5 U	--	< 0.500 U	--	0.147	--	7.14	3.2	3.2	< 1 U	< 1 U	< 1 U	< 1 U	0.997	0.188	999	3,800
	5/15/2012	N		0.0363 J	--	< 0.0100 U	--	--	0.0807	1.7	--	1.48	--	< 1.00 UJ	< 2.00 UJ	< 1.00 UJ	< 1.00 UJ	--	--	986 J	3,380
	5/7/2013	N		0.0457	--	< 0.0100 U	--	--	< 0.0100 U	0.765	--	0.99	--	< 1.00 U	< 2.00 U	< 1.00 U	< 1.00 U	--	--	1,000	3,390
	5/19/2014	N		0.0337	--	0.00380 J	--	--	< 0.0500 U	0.818	--	1.02	--	< 1.00 U	< 2.00 U	< 1.00 U	< 1.00 U	--	--	970	3,200
	5/18/2015	N		0.0419	--	0.00376 J	--	--	< 0.0100 R	1.07 J	--	1.43	--	< 1.00 U	< 2.00 U	< 1.00 U	< 1.00 U	--	--	1,060	3,530
	5/17/2016	N		0.00574 J	--	0.00301 J	--	< 0.00548 U	--	--	--	--	--	--	--	--	--	--	--	894	2,700
	5/8/2017	N		0.00779	--	< 0.004 U	--	< 0.01 U	--	0.173	--	0.588	--	--	--	--	--	--	--	993	2,780
	6/8/2004	N		--	< 0.01 U	0.06	0.08	< 0.1 U	--	42.6	51.3	7.97	9.97	--	--	--	--	--	--	2,300	--
	8/19/2004	N		--	< 0.01 U	0.07	0.06	< 0.1 U	--	73.9	69.5	0.61	1.1	--	--	--	--	--	--	1,600	--
	10/14/2004	N		--	< 0.1 U	< 0.5 U	< 0.5 U	< 0.005 U	--	65	91	3.6	4.6	--	--	--	--	--	--	1,020	--
	2/3/2005	N		--	< 0.1 U	0.1	0.2	< 0.1 U	--	182	280	9.7	15	--	--	--	--	--	--	430	--
IW012	3/30/2005	N		--	< 0.1 U	< 0.1 U	< 0.1 U	< 0.05 U	--	105	110	3.4	3.6	--	--	--	--	--	--	--	--
	6/23/2005	N		--	< 0.05 U	< 0.05 U	0.05	< 0.05 U	--	52.4	56.2	2.23	2.4	--	--	--	--	--	--	--	--
	7/14/2005	N		--	< 0.1 U	< 0.1 U	< 0.1 U	< 0.05 U	--	68.6	65.7	2.6	2.6	--	--	--	--	--	--	380	--
	5/17/2016	N		0.0187	--	0.0148	--	< 0.00548 U	--	--	--	--	--	--	--	--	--	--	--	809	3,420
	5/8/2017	N		0.0103	--	0.0126	--	< 0.01 U	--	2.55	--	0.32	--	--	--	--	--	--	--	952	3,320
	2/10/2004	N		--	< 0.05 U	0.15	0.15	0.103	--	< 0.1 U	2.6	< 0.05 U	0.09	< 2 U	3	< 2 U	< 6 U	< 0.25 U	< 0.05 U	1,080	2,710
	6/8/2004	N		--	< 0.01 U	0.3	0.3	< 0.1 U	--	13.6	14.4	7.51	7.7	--	--	--	--	--	--	2,700	--
	7/21/2004	N		--	< 0.01 U	0.38	0.45	9	--	58	63.8	11.5	12.9	--	--	--	--	--	--	2,000	--
	8/19/2004	N		--	< 0.01 U	0.18	0.19	< 0.1 U	--	75.5	78.3	6.96	7.54	--	--	--	--	--	--	1,300	--
	10/19/2004	N		--	< 0.01 U	0.6	0.75	< 0.005 U	--	265	360	15.1	19.5	--	--	--	--	--	--	1,620	--
	12/7/2004	N		--	< 0.05 U	0.7	1.29	< 0.05 U	--	301	< 0.4 U	25.2	44.6	--	--	--	--	--	--	1,640	--
	1/12/2005	N		--	< 0.1 U	0.7	0.7	< 0.1 U	--	318	309	17.9	18.5	--	--	--	--	--	--	900	--
	2/3/2005	N		--	< 0.1 U	0.7	1	< 0.1 U	--	341	476	15.6	22	--	--	--	--	--	--	570	--
IW013	2/24/2005	N		--	< 0.1 U	0.5	0.6	< 0.1 U	--	270	334	10.9	13.5	--	--	--	--	--	--	670	--
	3/24/2005	N		--	< 0.1 U	0.5	0.5	< 0.005 U	--	282	295	12.2	12	--	--	--	--	--	--	430	--
	4/26/2005	N		--	< 0.1 U	0.7	0.7	< 0.05 U	--	349	359	12.3	12.7	--	--	--	--	--	--	540	--
	5/25/2005	N		--	< 0.01 U	0.32	0.04	< 0.05 U	--	< 0.4 U	21.1	< 0.01 U	0.76	--	--	--	--	--	--	340	--
	6/23/2005	N		--	< 0.05 U	0.39	0.42	< 0.05 U	--	222	236	7.76	8.25	--	--	--	--	--	--	510	--
	7/14/2005	N		--	< 0.1 U	0.5	0.5	< 0.05 U	--	264	254	6.5	6.2	--	--	--	--	--	--	540	--

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Appendix E
Historical Analytical Data (through 2017)
2021 Annual Groundwater Monitoring Report
Former Eunice North Gas Plant

ARCADIS Design & Consultancy for natural and built assets

			Chemical Name	Dissolved Arsenic	Total Arsenic	Dissolved Chromium	Total Chromium	Dissolved Chromium, Hexavalent	Total Chromium, Hexavalent	Dissolved Iron	Total Iron	Dissolved Manganese	Total Manganese	Benzene	Toluene	Ethylbenzene	Total Xylenes	DRO	GRO	Chloride	TDS
			Units	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	ug/l	ug/l	ug/l	ug/l	mg/l	mg/l	mg/l	mg/l
			NMWQCC Standard	0.01	0.01	0.05	0.05	0.05	0.05	1	1	0.2	0.2	5	1,000	700	620			250	1000
Location ID	Sample Date	Sample Type																			
	2/8/2006	N	--	0.0405	--	0.418	--	< 2 U	--	295	6.79	6.79	< 100 U	< 100 U	< 100 U	< 300 U	< 600 U	< 1000 U	1,160	26,400
	2/8/2006	FD	--	0.0424	--	0.411	--	< 2 U	--	291	6.74	6.74	< 100 U	< 100 U	< 100 U	< 300 U	< 600 U	< 2000 U	988	22,100
	7/27/2006	N	--	0.033	--	0.0585	--	< 2 U	--	47.7	1.35	1.35	< 25 U	< 25 U	< 25 U	< 75 U	190	< 1.3 U	952	4,730
	7/27/2006	FD	--	0.0325	--	0.0592	--	< 2 U	--	49	1.38	1.38	< 25 U	< 25 U	< 25 U	< 75 U	220	< 1.3 U	965	4,710
	3/22/2007	N	--	0.0342	--	0.0311	--	< 1 U	--	10.1	1.03	1.03	< 2 U	< 1 U	2.7	< 20 U	390	0.86	890	--
	3/26/2008	N	--	< 0.02 U	--	< 0.015 U	--	< 0.2 U	--	0.247	0.315	0.315	< 5 U	< 5 U	< 5 U	< 15 U	0.69	< 0.025 U	1,050	2,810
	3/18/2009	N	--	< 0.02 U	--	< 0.015 U	--	< 0.02 U	--	< 0.2 U	0.282	0.282	< 1 U	< 1 U	< 1 U	< 3 U	0.12	< 0.050 U	1,020	2,960
	3/5/2010	N	--	< 0.05 U	--	< 0.050 U	--	< 0.01 U	--	0.323	0.291	0.291	< 1 U	< 1 U	< 1 U	< 1 U	0.086	< 0.050 U	976	3,180
IW013	5/15/2012	N	< 0.0100 UJ	--	< 0.0100 U	--	--	0.0116	0.301	--	0.22	--	< 1.00 UJ	< 2.00 UJ	< 1.00 UJ	< 1.00 UJ	--	--	1060 J	3,780
	5/13/2013	N	< 0.0200 U	--	< 0.0100 U	--	--	< 0.0100 U	0.398	--	0.226	--	< 1.00 U	< 2.00 U	< 1.00 U	< 1.00 U	--	--	1,030	3,120
	5/19/2014	N	0.00915 J	--	0.00443 J	--	--	< 0.0500 U	< 0.200 U	--	0.221	--	< 1.00 U	< 2.00 U	< 1.00 U	< 1.00 U	--	--	1,100	2,990
	5/18/2015	N	0.00657 J	--	0.00347 J	--	--	< 0.0100 R	< 0.200 UJ	--	0.162	--	< 1.00 U	< 2.00 U	< 1.00 U	< 1.00 U	--	--	1,010	3,440
	5/17/2016	N	0.00879 J	--	0.00368 J	--	< 0.00548 U	--	--	--	--	--	--	--	--	--	--	--	985	3,110
	5/8/2017	N	0.00494	--	0.00637	--	< 0.01 U	--	0.839	--	0.18	--	--	--	--	--	--	--	2,180	5,430
	2/11/2004	N	--	< 0.05 U	< 0.05 U	< 0.05 U	0.007	--	< 0.1 U	1.3	< 0.05 U	< 0.05 U	< 2 U	< 2 U	< 2 U	< 6 U	< 0.25 U	< 0.05 U	1,400	3,810
	6/10/2004	N	--	< 0.01 U	0.06	0.07	< 0.1 U	--	44	67	2.98	5.2	--	--	--	--	--	--	1,800	--
	7/21/2004	N	--	< 0.01 U	< 0.05 U	0.08	< 0.1 U	--	126	151	5.85	7.11	--	--	--	--	--	--	1,800	--
	8/19/2004	N	--	< 0.01 U	< 0.05 U	< 0.05 U	< 0.1 U	--	38.4	35	0.69	0.9	--	--	--	--	--	--	900	--
	10/19/2004	N	--	< 0.1 U	0.9	0.9	< 0.005 U	--	1190	1160	63.3	62.3	--	--	--	--	--	--	1,140	--
	12/7/2004	N	--	< 0.05 U	0.2	0.32	< 0.05 U	--	306	< 0.4 U	9.5	15.1	--	--	--	--	--	--	1,460	--
	1/13/2005	N	--	< 0.1 U	0.02	< 0.1 U	< 0.1 U	--	< 0.4 U	147	< 0.01 U	1.1	--	--	--	--	--	--	490	--
	2/3/2005	N	--	< 0.1 U	0.1	0.1	< 0.1 U	--	106	105	3.5	3.3	--	--	--	--	--	--	340	--
	2/24/2005	N	--	< 0.1 U	< 0.1 U	< 0.1 U	< 0.1 U	--	57.7	78.4	2.5	3.4	--	--	--	--	--	--	520	--
	3/24/2005	N	--	< 0.1 U	< 0.1 U	< 0.1 U	< 0.005 U	--	55.6	56.7	1.1	1.1	--	--	--	--	--	--	220	--
	4/26/2005	N	--	< 0.1 U	< 0.1 U	< 0.1 U	< 0.05 U	--	83	83.3	1.1	1.1	--	--	--	--	--	--	230	--
	5/25/2005	N	--	< 0.01 U	0.05	< 0.01 U	< 0.05 U	--	39.3	5.52	0.61	0.09	--	--	--	--	--	--	180	--
	6/28/2005	N	--	< 0.05 U	0.08	0.08	< 0.05 U	--	92.3	96.4	1.46	1.54	--	--	--	--	--	--	330	--
	7/14/2005	N	--	< 0.1 U	< 0.1 U	< 0.1 U	< 0.05 U	--	65.4	65.9	0.7	0.7	--	--	--	--	--	--	460	--
	2/13/2006	N	--	0.0518	--	0.199	--	< 10 U	--	466	5.3	5.3	< 100 U	< 100 U	< 100 U	< 300 U	< 1200 U	< 2500 U	666	34,100
IW014	2/13/2006	FD	--	0.0524	--	0.202	--	< 2 U	--	485	5.32	5.32	< 100 U	< 100 U	< 100 U	< 300 U	< 1200 U	< 1800 U	565	33,000
	7/25/2006	N	--	0.047	--	0.072	--	< 2 U	--	228	3.34	3.34	98	< 25 U	< 500 U	< 75 U	2400	70	964	18,600
	7/25/2006	FD	--	0.0484	--	0.0755	--	< 2 U	--	218	3.48	3.48	31	< 20 U	< 500 U	< 500 U	2600	56	1,010	19,000
	3/26/2007	N	--	0.0877	--	0.0494	--	< 2 U	--	144	2.43	2.43	< 100 U	< 100 U	< 100 U	< 300 U	1700	9.9	1,080	--
	3/28/2007	N	--	0.0819	--	--	--	--	--	141	2.4	2.4	--	--	--	--	--	--	--	--
	3/26/2008	N	--	0.173	--	0.075	--	< 1 U	--	14.9	0.678	0.678	< 50 U	< 50 U	< 50 U	< 150 U	170	< 2.5 U	1,170	6,360
	3/18/2009	N	--	0.229	--	0.0188	--	< 0.002 U	--	1.59	0.413	0.413	< 5 U	< 5 U	< 5 U	< 15 U	4.1	< 0.25 U	1,190	5,750
	3/3/2010	N	--	< 0.50 U	--	< 0.50 U	--	--	--	8.19	< 0.50 U	< 0.50 U	< 1 U	2.3	< 1 U	< 1 U	1.49	< 0.05 U	1,090	4,140
	5/15/2012	N	0.0336 J	--	< 0.0200 U	--	--	0.54	1.71	--	0.388	--	< 1.00 UJ	< 2.00 UJ	< 1.00 UJ	< 1.00 UJ	--	--	1150 J	3,640
	5/15/2012	FD	0.0620 J	--	< 0.0200 U	--	--	0.558	1.9	--	0.345	--	< 1.00 UJ	< 2.00 UJ	< 1.00 UJ	< 1.00 UJ	--	--	1140 J	3,520
	5/6/2013	N	0.144	--	0.0731	--	--	< 0.100 U	2.19	--	0.785	--	< 1.00 U	< 2.00 U	< 1.00 U	< 1.00 U	--	--	1,080	3,190
	5/19/2014	N	0.0508	--	0.0128	--	--	< 0.0500 U	< 0.200 U	--	0.277	--	< 1.00 U	< 2.00 U	< 1.00 U	< 1.00 U	--	--	1,040	3,380
	5/19/2015	N	0.0611	--	0.0121	--	--	< 0.0500 R	2.38 J	--	0.293	--	< 1.00 U	< 2.00 U	< 1.00 U	< 1.00 U	--	--	1,350	3,600
	5/17/2016	N	0.0522	--	0.00898 J	--	< 0.00548 U	--	--	--	--	--	--	--	--	--	--	--	1,150	3,460
	5/8/2017	N	0.0346	--	0.00776	--	< 0.01 U	--	0.0237	--	0.2	--	--	--	--	--	--	--	1,400	3,380
	2/25/2004	N	--	< 0.05 U	0.22	0.24	0.18	--	< 0.1 U	6.5	< 0.05 U	0.19	< 2 U	< 2 U	< 2 U	< 6 U	< 0.25 U	< 0.05 U	1,300	--
	6/3/2004	N	--	< 0.01 U	0.09	0.1	< 0.1 U	--	18.5	21.7	6.14	7.27	--	--	--	--	--	--	1,700	--
	7/8/2004	N	--	< 0.01 U	0.19	0.27	0.3	--	64.5	76.4	9.32	11.3	--	--	--	--	--	--	2,200	--
	8/18/2004	N	--	< 0.01 U	0.15	0.15	< 0.1 U	--	52.1	51.7	3.11	2.91	--	--	--	--	--	--	1,700	--
	10/11/2004	N	--	< 0.1 U	< 0.5 U	< 0.5 U	< 0.1 U	--	129	121	12.3	11.6	--	--	--	--	--	--	1,990	--
	1/5/2005	N	--	< 0.1 U	0.02	0.3	0.01	--	79.7	86.2	0.33	7.1	--	--	--	--	--	--	1,070	--
	2/21/2005	N	--	< 0.1 U	0.2	0.3	< 0.02 U	--	53.1	77.8	5.6	8.4	--	--	--	--	--	--	630	--
	3/17/2005	N	--	< 0.1 U	0.2	0.2	< 0.1 U	--	56.2	55.3	3.8	3.8	--	--	--	--	--	--	450	--
	4/19/2005	N	--	< 0.1 U	0.2	0.2	< 0.02 U	--	46.9	48.8	3.3	3.4	--	--	--	--	--	--	370	--
	6/1/2005	N	--	< 0.05 U	0.12	0.17	< 0.05 U	--	27.1	39.6	2.4	3.52	--	--	--	--	--	--	420	--
IW015	6/21/2005	N	--	< 0.05 U	0.18	0.24	< 0.05 U	--	56	54.6	5.44	8.26	--	--	--	--	--	--	490	--
	7/21/2005	N	--	< 0.05 U	0.21	0.21	< 0.05 U	--	55.6	55	3.66	3.62	--	--	--	--	--	--	810	--
	2/9/2006	N	--	0.0806	--	0.301	--	< 2 U	--	53.1	4.4	4.4	< 100 U	< 100 U	< 100 U	< 300 U	< 3000 U	< 8000 U	1,000	46,700
	7/25/2006	N	--	0.216	--	0.157	--	< 2 U	--	10.4	0.786	0.786	< 10 U	< 10 U	< 10 U	< 200 U	1600	5.2	1,050	15,100
	4/9/2007	N	--	0.485	--	0.165	--	< 2 U	--	21	0.443	0.443	< 50 U	< 50 U	< 50 U	< 3 U	20	< 2.5 U	1,060	--
	4/3/2008	N	--	0.236	--	0.075	--	< 2 U	--	20.3	0.402	0.402	< 10 U	< 10 U	< 10 U	< 3 U	3.1	< 0.5 U	1,040	4,410
	3/23/2009	N	--	0.107	--	0.0566	--	< 2 U	--	14.8	0.339	0.339	7.6	< 5 U	< 5 U	< 15 U	2.6	< 0.25 U	984	4,040
	3/3/2010	N	--	< 0.50 U	--	< 0.50 U	--	< 0.01 U	--	19.4	< 0.50 U	< 0.50 U	< 1 U	< 2 U	< 1 U	< 1 U	1.27	< 0.05 U	849	2,960

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Appendix E
Historical Analytical Data (through 2017)
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ARCADIS Design & Consultancy for natural and built assets

	Chemical Name	Dissolved Arsenic	Total Arsenic	Dissolved Chromium	Total Chromium	Dissolved Chromium, Hexavalent	Total Chromium, Hexavalent	Dissolved Iron	Total Iron	Dissolved Manganese	Total Manganese	Benzene	Toluene	Ethylbenzene	Total Xylenes	DRO	GRO	Chloride	TDS
	Units	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	ug/l	ug/l	ug/l	ug/l	mg/l	mg/l	mg/l	mg/l
	NMWQCC Standard	0.01	0.01	0.05	0.05	0.05	0.05	1	1	0.2	0.2	5	1,000	700	620			250	1000
Location ID	Sample Date	Sample Type																	
	5/11/2012	N	0.021	--	0.0202	--	--	0.107	2.19	--	0.274	--	< 1.00 U	< 2.00 U	< 1.00 U	< 1.00 U	--	--	1000 J	3,280
	5/20/2014	N	0.0237	--	0.0153	--	--	< 0.0500 U	0.617	--	0.0939	--	< 1.00 U	< 2.00 U	< 1.00 U	< 1.00 U	--	--	1,030	2,760
	5/12/2015	N	0.0295	--	< 0.0100 U	--	--	< 0.0500 U	< 0.200 U	--	0.0877	--	< 1.00 U	< 2.00 U	< 1.00 U	< 1.00 U	--	--	1,050	3,010
IW015	5/17/2016	N	0.0166	--	0.00932 J	--	< 0.00548 U	--	--	--	--	--	--	--	--	--	--	--	506	3,090
	5/8/2017	N	0.0102	--	0.0119	--	< 0.01 U	--	0.196	--	0.0861	--	--	--	--	--	--	--	948	2,460
	2/11/2004	N	--	< 0.05 U	0.12	0.13	0.096	--	< 0.1 U	1.9	< 0.05 U	0.05	< 2 U	< 2 U	< 2 U	< 6 U	< 0.25 U	< 0.05 U	980	2,710
IW016	6/3/2004	N	--	< 0.01 U	0.07	0.07	< 0.1 U	--	38.5	42.4	5.2	5.69	--	--	--	--	--	--	2,300	--
	7/7/2004	N	--	< 0.1 U	< 0.5 U	< 0.5 U	< 0.1 U	--	84	81.1	5.8	5.8	--	--	--	--	--	--	2,100	--
	8/17/2004	N	--	< 0.1 U	< 0.5 U	< 0.5 U	< 0.1 U	--	24	40	1	1.7	--	--	--	--	--	--	2,500	--
	10/10/2004	N	--	< 0.1 U	< 0.5 U	< 0.5 U	< 0.1 U	--	212	185	4.7	4.1	--	--	--	--	--	--	1,750	--
	11/22/2004	N	--	< 0.1 U	0.2	0.2	< 0.1 U	--	214	287	11.5	14.7	--	--	--	--	--	--	143	47,400
	1/4/2005	N	--	< 0.1 U	0.1	0.1	0.005	--	211	211	7.6	7.6	--	--	--	--	--	--	630	--
	1/27/2005	N	--	< 0.1 U	< 0.1 U	0.2	< 0.1 U	--	89.5	213	3.3	12	--	--	--	--	--	--	340	--
	2/16/2005	N	--	< 0.1 U	0.1	0.2	< 0.005 U	--	152	261	5.9	10	--	--	--	--	--	--	510	--
	3/15/2005	N	--	< 0.1 U	< 0.1 U	< 0.1 U	< 0.1 U	--	87.4	112	1.3	3.9	--	--	--	--	--	--	320	--
	4/19/2005	N	--	< 0.1 U	0.2	0.2	< 0.02 U	--	212	200	14.5	13.7	--	--	--	--	--	--	350	--
	6/1/2005	N	--	< 0.05 U	0.08	0.14	< 0.05 U	--	106	205	5.4	14	--	--	--	--	--	--	400	--
	6/21/2005	N	--	< 0.01 U	0.07	0.07	< 0.05 U	--	92.5	75	4.44	4.22	--	--	--	--	--	--	520	--
	7/20/2005	N	--	< 0.05 U	0.09	0.09	< 0.05 U	--	100	108	4.95	5.2	--	--	--	--	--	--	450	--
IW016	2/8/2006	N	--	0.185	--	0.138	--	< 2 U	--	270	13.1	13.1	< 100 U	< 100 U	< 100 U	< 300 U	< 600 U	< 4000 U	848	71,600
	7/25/2006	N	--	0.133	--	0.0484	--	< 2 U	--	117	13.4	13.4	< 10 U	< 10 U	< 10 U	< 30 U	2600	4.4	987	18,100
	3/28/2007	N	--	0.06	--	0.0293	--	< 1 U	--	13.4	1.42	1.42	< 100 U	< 100 U	< 100 U	< 3 U	19	< 5 U	846	--
	4/2/2008	N	--	0.0586	--	0.0221	--	< 2 U	--	11.5	1	1	< 5 U	< 5 U	< 5 U	< 15 U	3.5	< 0.250 U	769	4,150
	3/24/2009	N	--	0.0537	--	0.0202	--	< 2 U	--	14.4	0.978	0.978	< 5 U	< 5 U	< 5 U	< 15 U	4.5	< 0.25 U	677	3,240
	3/3/2010	N	--	< 0.50 U	--	< 0.50 U	--	< 0.01 U	--	19.1	0.99	0.99	< 1 U	< 2 U	< 1 U	< 1 U	1.1	< 0.05 U	486	2,980
	5/9/2012	N	0.0817	--	< 0.0100 U	--	--	0.0642	0.791	--	0.334	--	< 1.00 U	< 2.00 U	< 1.00 U	< 1.00 U	--	--	406	1,490
	5/20/2014	N	0.00577 J	--	< 0.0100 U	--	--	< 0.0500 U	< 0.200 U	--	0.225	--	< 1.00 U	< 2.00 U	< 1.00 U	< 1.00 U	--	--	478	1,660
	5/13/2015	N	< 0.0200 U	--	0.00159 J	--	--	< 0.0500 U	0.125 J	--	0.16	--	< 1.00 U	< 2.00 U	< 1.00 U	< 1.00 U	--	--	479	1,770
	5/17/2016	N	0.00625 J	--	< 0.00136 U	--	< 0.00548 U	--	--	--	--	--	--	--	--	--	--	--	291	1,340
	5/8/2017	N	0.00501	--	< 0.004 U	--	< 0.01 UJ	--	0.0498	--	0.0772	--	--	--	--	--	--	--	328	1,270
	2/6/2006	N	--	0.112	--	2.88	--	0.27	--	10.1	0.512	0.512	2.2	< 1 U	< 1 U	< 3 U	3.3	< 0.6 U	1,340	4,040
	7/21/2006	N	--	< 0.02 U	--	< 0.015 U	--	< 0.02 U	--	< 0.2 U	0.295	0.295	< 1 U	< 1 U	< 1 U	< 3 U	3.8	< 0.05 U	400	1,700
	4/9/2007	N	--	< 0.02 U	--	< 0.015 U	--	< 0.02 U	--	0.705	0.5	0.5	< 1 U	< 1 U	< 1 U	< 3 U	2.2	< 0.05 U	175	--
	4/9/2008	N	--	0.051	--	1.08	--	0.29	--	3.16	0.438	0.438	< 1 U	< 1 U	< 1 U	< 3 U	2.3	< 0.05 U	1,140	3,260
	3/24/2009	N	--	< 0.02 U	--	0.248	--	0.18	--	< 0.2 U	0.92	0.92	< 1 U	< 1 U	< 1 U	< 3 U	3.1	< 0.05 U	1,130	3,080
IW018	3/25/2010	N	--	< 0.05 U	--	0.305	--	0.218	--	0.14	0.527	0.527	< 1 U	< 1 U	< 1 U	< 1 U	1.74	0.065	535	1,870
	5/11/2012	N	< 0.0100 U	--	< 0.0100 U	--	--	< 0.0100 U	< 0.200 U	--	< 0.0200 U	--	< 1.00 U	< 2.00 U	< 1.00 U	< 1.00 U	--	--	66.7 J	792
	5/10/2013	N	0.0309	--	1.17	--	--	0.856	1.94	--	1.43	--	< 1.00 U	< 2.00 U	< 1.00 U	< 1.00 U	--	--	932	3,520
	5/20/2014	N	0.00653 J	--	0.00193 J	--	--	< 0.0100 U	< 0.200 U	--	0.348	--	< 1.00 U	< 2.00 U	< 1.00 U	< 1.00 U	--	--	532	1,640
	5/8/2015	N	0.0144 J	--	0.00519 J	--	--	< 0.0100 U	< 0.200 U	--	0.416	--	< 1.00 U	< 2.00 U	< 1.00 U	< 1.00 U	--	--	599	1,890
	5/8/2015	FD	0.0146 J	--	0.00457 J	--	--	< 0.0100 U	< 0.200 U	--	0.411	--	< 1.00 U	< 2.00 U	< 1.00 U	< 1.00 U	--	--	550	1,810
	5/19/2016	N	0.0373	--	0.879	--	0.548	--	--	--	--	--	< 0.408 U	< 1 U	< 0.657 U	< 0.642 U	< 0.986 U	< 0.986 U	796	3,250
	2/7/2006	N	--	< 0.02 U	--	1.06	--	0.88	--	< 0.2 U	0.0405	0.0405	< 1 U	< 1 U	< 1 U	< 3 U	< 0.6 U	< 0.6 U	1,780	4,960
	7/24/2006	N	--	< 0.02 U	--	1.14	--	0.99	--	< 0.2 U	0.0314	0.0314	< 1 U	< 1 U	< 1 U	< 3 U	0.93	< 0.05 U	1,800	5,030
	4/6/2007	N	--	< 0.02 U	--	1.24	--	1.1	--	< 0.2 U	0.0268	0.0268	< 1 U	< 1 U	< 1 U	< 3 U	0.74	< 0.05 U	1,620	--
	4/8/2008	N	--	< 0.02 U	--	1.51	--	1.4	--	< 0.2 U	0.0283	0.0283	< 1 U	< 1 U	< 1 U	< 3 U	0.47	< 0.05 U	1,680	4,470
	3/25/2009	N	--	< 0.02 U	--	1.57	--	1.4	--	< 0.2 U	0.0297	0.0297	< 1 U	< 1 U	< 1 U	< 3 U	0.61	< 0.05 U	1,730	4,680
	3/25/2010	N	--	< 0.05 U	--	0.328	--	0.425	--	0.065	< 0.050 U	< 0.050 U	< 1 U	< 1 U	< 1 U	< 1 U	0.724	< 0.074 U	803	2,390
IW019	5/11/2012	N	< 0.0100 U	--	< 0.0100 U	--	--	< 0.0100 U	< 0.200 U	--	< 0.0200 U	--	< 1.00 U	< 2.00 U	< 1.00 U	< 1.00 U	--	--	69.0 J	684
	5/10/2013	N	< 0.0200 U	--	< 0.0100 U	--	--	< 0.0100 U	< 0.200 U	--	0.0196 J	--	< 1.00 U	< 2.00 U	< 1.00 U	< 1.00 U	--	--	386	1,390
	5/20/2014	N	< 0.0200 U	--	0.00194 J	--	--	< 0.0100 U	< 0.200 U	--	0.0419	--	< 1.00 U	< 2.00 U	< 1.00 U	< 1.00 U	--	--	484	1,580
	5/8/2015	N	0.0112 J	--	0.00352 J	--	--	< 0.0100 U	< 0.200 U	--	0.0441	--	< 1.00 U	< 2.00 U	< 1.00 U	< 1.00 U	--	--	361	1,660
	5/19/2016	N	0.0319	--	1.38	--	1.27	--	--	--	--	--	< 0.408 U	< 1 U	< 0.657 U	< 0.642 U	< 0.986 U	< 0.986 U	1,220	3,960
	5/5/2017	N	0.00833 J	--	0.563 J	--	0.87	--	< 0.02 U	--	0.0328 J	--	< 2 U	< 2 U	< 2 U	< 2 U	< 1.5 U	< 1.5 U	1,070	2,540
	9/26/2017	N	0.00947	--	0.743	--	0.693	--	0.157 J	--	0.24	--	< 2 U	< 2 U	< 2 U	< 2 U	< 1.5 U	< 1.5 U	1,000	4,380
	4/4/2018	Reg	--	0.00908	--	0.66	--	0.616	< 0.100 U	--	--	0.381	< 2 U	< 2 U	< 2 U	< 2 U	< 1.50 U	< 1.50 U	1,070	3,190
	9/11/2018	Reg	0.0101	--	0.757	--	0.687	--	--	< 0.100 U	0.0349	--	< 2 U	< 2 U	< 2 U	< 2 U	--	< 1.50 U	1,060	3,270
	2/7/2006	N	--	< 0.02 U	--	0.777	--	0.76	--	< 0.2 U	0.017	0.017	< 1 U	< 1 U	< 1 U	< 3 U	< 0.6 U	< 0.6 U	999	2,990
	7/24/2006	N	--	< 0.02 U	--	0.898	--	0.8	--	< 0.2 U	0.0077	0.0077	< 1 U	< 1 U	< 1 U	< 3 U	0.31	< 0.05 U	521	2,660
	4/10/2007	N	--	< 0.02 U	--	1.51	--	1.5	--	3.23	0.124	0.124	< 1 U	< 1 U	< 1 U	< 3 U	< 0.095 U	< 0.05 U	1200	--
IW020	4/8/2008	N	--	< 0.02 U	--	1.79	--	1.7	--	< 0.2 U	0.0295	0.0295	< 1 U	< 1 U	< 1 U	< 3 U	< 0.11 U	< 0.05 U	1180	4,170
	3/25/2009	N	--	< 0.02 U	--	2	--	1.9	--	< 0.2 U	< 0.005 U	< 0.005 U	< 1 U	< 1 U	< 1 U	< 3 U	< 0.098 U	< 0.05 U	1350	4,980

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			Chemical Name	Dissolved Arsenic	Total Arsenic	Dissolved Chromium	Total Chromium	Dissolved Chromium, Hexavalent	Total Chromium, Hexavalent	Dissolved Iron	Total Iron	Dissolved Manganese	Total Manganese	Benzene	Toluene	Ethylbenzene	Total Xylenes	DRO	GRO	Chloride	TDS
			Units	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	ug/l	ug/l	ug/l	ug/l	mg/l	mg/l	mg/l	mg/l
			NMWQCC Standard	0.01	0.01	0.05	0.05	0.05	0.05	1	1	0.2	0.2	5	1,000	700	620			250	1000
Location ID	Sample Date	Sample Type																			
	3/5/2010	N		--	< 0.05 U	--	< 0.05 U	--	**1.29**	--	**1.29**	**0.083**	**0.083**	< 1 U	< 1 U	< 1 U	< 1 U	**0.116**	< 0.05 U	**1000**	**2,260**
	5/17/2012	N		< 0.0100 UJ	--	< 0.0100 U	--	--	< 0.0100 U	< 0.200 U	--	< 0.0200 U	--	< 1.00 U	< 2.00 U	< 1.00 U	< 1.00 U	--	--	**98.8 J**	**783**
	5/10/2013	N		< 0.0200 U	--	**0.111**	--	--	**0.0931**	< 0.200 U	--	**0.0407**	--	< 1.00 U	< 2.00 U	< 1.00 U	< 1.00 U	--	--	**408**	**2,000**

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		Units	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	ug/l	ug/l	ug/l	ug/l	mg/l	mg/l	mg/l	mg/l
		NMWQCC Standard	0.01	0.01	0.05	0.05	0.05	0.05	1	1	0.2	0.2	5	1,000	700	620			250	1000
Location ID	Sample Date	Sample Type																		
IW021	2/7/2006	N	--	< 0.02 U	--	0.701	--	0.68	--	< 0.2 U	< 0.005 U	< 0.005 U	< 1 U	< 1 U	< 1 U	< 3 U	< 0.6 U	< 0.6 U	692	2,530
	7/24/2006	N	--	< 0.02 U	--	0.93	--	0.81	--	< 0.2 U	< 0.005 U	< 0.005 U	< 1 U	< 1 U	< 1 U	< 3 U	< 0.097 U	< 0.05 U	673	2,660
	4/5/2007	N	--	< 0.02 U	--	1.14	--	1.2	--	< 0.2 U	< 0.005 U	< 0.005 U	< 1 U	< 1 U	< 1 U	< 3 U	< 0.099 U	< 0.05 U	753	--
	4/8/2008	N	--	< 0.02 U	--	1.73	--	1.6	--	< 0.2 U	< 0.005 U	< 0.005 U	< 1 U	< 1 U	< 1 U	< 3 U	< 0.1 U	< 0.05 U	859	3,370
	3/25/2009	N	--	< 0.02 U	--	1.74	--	1.6	--	< 0.2 U	< 0.005 U	< 0.005 U	< 1 U	< 1 U	< 1 U	< 3 U	< 0.098 U	< 0.05 U	1000	3,880
	3/5/2010	N	--	< 0.05 U	--	1.34	--	1.35	--	0.171	< 0.050 U	< 0.050 U	< 1 U	< 1 U	< 1 U	< 1 U	0.1	< 0.05 U	817	3,730
	5/17/2012	N	< 0.0100 UJ	--	< 0.0100 U	--	--	< 0.0100 U	< 0.200 U	--	< 0.0200 U	--	< 1.00 U	< 2.00 U	< 1.00 U	< 1.00 U	--	--	206 J	1,210
	5/13/2013	N	0.0120 J	--	< 0.0100 U	--	--	< 0.0100 U	< 0.200 U	--	< 0.0200 U	--	< 1.00 U	< 2.00 U	< 1.00 U	< 1.00 U	--	--	266	1,550
	5/21/2014	N	< 0.0200 U	--	0.00181 J	--	--	< 0.0100 U	< 0.200 U	--	< 0.0200 U	--	< 1.00 U	< 2.00 U	< 1.00 U	< 1.00 U	--	--	545	2,270
	5/8/2015	N	0.0113 J	--	0.00705 J	--	--	0.00660 J	< 0.200 U	--	< 0.0200 U	--	< 1.00 U	< 2.00 U	< 1.00 U	< 1.00 U	--	--	499	2,290
	5/19/2016	N	0.0323	--	0.76	--	0.716	--	--	--	--	--	--	--	--	--	--	--	886	3,670
	5/5/2017	N	0.00845	--	0.706	--	0.766	--	< 0.02 U	--	< 0.002 U	--	--	--	--	--	--	--	855	3,740
IW022	2/7/2006	N	--	< 0.02 U	--	0.526	--	0.5	--	0.298	0.0103	0.0103	< 1 U	< 1 U	< 1 U	< 3 U	< 0.6 U	< 0.6 U	624	2,240
	7/25/2006	N	--	< 0.02 U	--	0.489	--	0.46	--	< 0.2 U	< 0.005 U	< 0.005 U	< 1 U	< 1 U	< 1 U	< 3 U	< 0.094 U	< 0.05 U	662	2,080
	4/10/2007	N	--	< 0.02 U	--	0.505	--	0.52	--	< 0.2 U	< 0.005 U	< 0.005 U	< 1 U	< 1 U	< 1 U	< 3 U	< 0.097 U	< 0.05 U	713	--
	4/7/2008	N	--	< 0.02 U	--	0.785	--	0.82 *	--	< 0.2 U	< 0.005 U	< 0.005 U	< 1 U	< 1 U	< 1 U	< 3 U	< 0.099 U	< 0.05 U	781	2,700
	3/25/2009	N	--	< 0.02 U	--	0.525	--	0.53	--	< 0.2 U	< 0.005 U	< 0.005 U	< 1 U	< 1 U	< 1 U	< 3 U	< 0.098 U	< 0.05 U	670	2,750
	3/5/2010	N	--	< 0.05 U	--	0.477	--	0.445	--	0.135	< 0.050 U	< 0.050 U	< 1 U	< 1 U	< 1 U	< 1 U	0.085	< 0.05 U	460	2,460
	5/17/2012	N	< 0.0100 UJ	--	0.0533	--	--	0.0499	< 0.200 U	--	< 0.0200 U	--	< 1.00 U	< 2.00 U	< 1.00 U	< 1.00 U	--	--	216 J	1,170
	5/13/2013	N	< 0.0200 U	--	0.139	--	--	0.133	< 0.200 U	--	< 0.0200 U	--	< 1.00 U	< 2.00 U	< 1.00 U	< 1.00 U	--	--	375	1,500
	5/21/2014	N	< 0.0200 U	--	0.0384	--	--	0.035	< 0.200 U	--	< 0.0200 U	--	< 1.00 U	< 2.00 U	< 1.00 U	< 1.00 U	--	--	454	2,220
	5/8/2015	N	0.00997 J	--	0.0167	--	--	0.0145	< 0.200 U	--	< 0.0200 U	--	< 1.00 U	< 2.00 U	< 1.00 U	< 1.00 U	--	--	437	2,210
	5/19/2016	N	0.0275	--	0.149	--	0.125	--	--	--	--	--	--	--	--	--	--	--	581	2,430
	5/5/2017	N	0.00833	--	0.171	--	0.178	--	< 0.02 U	--	< 0.002 U	--	--	--	--	--	--	--	739	3,070
IW023	2/7/2006	N	--	< 0.02 U	--	0.552	--	0.52	--	1.08	0.0441	0.0441	< 1 U	< 1 U	< 1 U	< 3 U	< 0.6 U	< 0.6 U	506	2,400
	7/25/2006	N	--	< 0.02 U	--	0.158	--	0.15	--	< 0.2 U	< 0.005 U	< 0.005 U	< 1 U	< 1 U	< 1 U	< 3 U	< 0.097 U	< 0.05 U	500	1,950
	4/10/2007	N	--	< 0.02 U	--	0.206	--	0.21	--	0.215	0.0069	0.0069	1	< 1 U	< 1 U	< 3 U	< 0.099 U	< 0.05 U	620	--
	4/7/2008	N	--	< 0.02 U	--	0.248	--	0.20 *	--	2.02	0.0342	0.0342	< 1 U	< 1 U	< 1 U	< 3 U	< 0.097 U	< 0.05 U	659	2,350
	3/16/2009	N	--	< 0.02 U	--	0.285	--	0.25	--	< 0.2 U	< 0.005 U	< 0.005 U	< 1 U	< 1 U	< 1 U	< 3 U	< 0.095 U	< 0.05 U	650	2,560
	8/11/2009	N	--	< 0.02 U	--	0.3	--	0.28	--	< 0.3 U	< 0.005 U	< 0.005 U	< 1 U	< 1 U	< 1 U	< 3 U	< 0.095 U	< 0.05 U	637	2,700
	3/2/2010	N	--	< 0.05 U	--	0.32	--	0.325	--	< 0.05 U	< 0.050 U	< 0.050 U	< 1 U	< 2 U	< 1 U	< 1 U	< 0.052 U	< 0.05 U	629	3,130
	5/18/2012	N	< 0.0100 U	--	< 0.0100 U	--	--	< 0.0100 U	< 0.200 U	--	< 0.0200 U	--	< 1.00 U	< 2.00 U	< 1.00 U	< 1.00 U	--	--	536	1,950
	5/13/2013	N	0.00985 J	--	0.0108	--	--	0.00760 J	0.0262 J	--	< 0.0200 U	--	< 1.00 U	< 2.00 U	< 1.00 U	< 1.00 U	--	--	537	1,680
	5/21/2014	N	0.00892 J	--	0.0189	--	--	0.0177	< 0.200 U	--	< 0.0200 U	--	< 1.00 U	< 2.00 U	< 1.00 U	< 1.00 U	--	--	586	2,190
	5/21/2014	FD	< 0.0200 U	--	0.0161	--	--	0.0181	< 0.200 U	--	< 0.0200 U	--	< 1.00 U	< 2.00 U	< 1.00 U	< 1.00 U	--	--	588	2,470
	5/7/2015	N	0.0138 J	--	0.0156	--	--	0.0111	< 0.200 U	--	< 0.0200 U	--	< 1.00 U	< 2.00 U	< 1.00 U	< 1.00 U	--	--	576	1,960
	5/19/2016	N	0.0238	--	0.419	--	0.402	--	--	--	--	--	--	--	--	--	--	--	662	3,380
	5/5/2017	N	0.00817	--	0.397	--	0.41	--	< 0.02 U	--	< 0.002 U	--	--	--	--	--	--	--	729	2,900
	9/22/2017	N	0.00936	--	0.423	--	0.406	--	0.0417 J	--	0.00149 J	--	--	--	--	--	--	--	631	2,990
	3/29/2018	Reg	--	0.00871	--	0.378	--	0.369	< 0.1	--	--	0.000378 J	--	--	--	--	--	--	644	2,760
	9/14/2018	Reg	0.0102	--	0.376	--	0.307	--	--	< 0.100 U	0.000254 J	--	--	--	--	--	--	--	645	2,790
	9/14/2018	FD	0.0101	--	0.383	--	0.269	--	--	< 0.100 U	< 0.00200 U	--	--	--	--	--	--	--	638	2,880
IW024	2/8/2006	N	--	< 0.02 U	--	1.28	--	1.2	--	< 0.2 U	< 0.005 U	< 0.005 U	< 1 U	< 1 U	< 1 U	< 3 U	< 0.6 U	< 0.6 U	868	3,490
	7/21/2006	N	--	< 0.02 U	--	1.29	--	0.27	--	< 0.2 U	< 0.005 U	< 0.005 U	< 1 U	< 1 U	< 1 U	< 3 U	< 0.095 U	< 0.05 U	934	3,710
	4/3/2007	N	--	< 0.02 U	--	1.12	--	1.3	--	< 0.2 U	0.0061	0.0061	< 1 U	< 1 U	< 1 U	< 3 U	0.12	< 0.05 U	827	--
	4/15/2008	N	--	< 0.02 U	--	1.41	--	1.3	--	< 0.2 U	< 0.005 U	< 0.005 U	< 1 U	< 1 U	< 1 U	< 3 U	< 0.11 U	< 0.05 U	808	3,440
	3/16/2009	N	--	< 0.02 U	--	1.31	--	0.91	--	< 0.2 U	0.847	0.847	< 1 U	< 1 U	< 1 U	< 3 U	< 0.098 U	< 0.05 U	985	4,080
	8/11/2009	N	--	< 0.02 U	--	1.47	--	1.2	--	< 0.2 U	0.398	0.398	< 1 U	< 1 U	< 1 U	< 3 U	< 0.096 U	< 0.05 U	1020	4,840
	3/2/2010	N	--	< 0.05 U	--	1.35	--	1.44	--	0.132	< 0.050 U	< 0.050 U	< 1 U	< 2 U	< 1 U	< 1 U	< 0.053 U	< 0.05 U	910	4,360
	5/24/2012	N	< 0.0100 U	--	0.106	--	--	0.107	< 0.200 U	--	< 0.0200 U	--	< 1.00 U	< 2.00 U	< 1.00 U	< 1.00 U	--	--	608	3,050
	5/14/2013	N	< 0.0200 U	--	0.0723	--	--	0.0651	< 0.200 U	--	< 0.0200 U	--	< 1.00 U	< 2.00 U	< 1.00 U	< 1.00 U	--	--	443	2,230
	5/22/2014	N	< 0.0200 U	--	0.321	--	--	0.306	< 0.200 U	--	< 0.0200 UJ	--	< 1.00 U	< 2.00 U	< 1.00 U	< 1.00 U	--	--	724	3,190
	5/29/2015	N	0.0135 J	--	0.0711	--	--	0.064	< 0.200 U	--	< 0.0200 U	--	< 1.00 U	< 2.00 U	< 1.00 U	< 1.00 U	--	--	438	2,330
	5/19/2016	N	0.0312	--	1.22	--	1.12	--	--	--	--	--	--	--	--	--	--	--	846	3,970
	5/4/2017	N	0.00877	--	1.13	--	1.26	--	< 0.02 U	--	< 0.002 U	--	--	--	--	--	--	--	871	3,960
	4/4/2018	Reg	--	0.00924	--	0.99	--	1.04	< 0.100 U	--	--	0.000827 J	--	--	--	--	--	--	920	3,450
IW025	2/8/2006	N	--	< 0.02 U	--	0.377	--	0.39	--	0.4	0.0077	0.0077	< 1 U	< 1 U	< 1 U	< 3 U	< 0.6 U	< 0.6 U	584	2,380
	7/21/2006	N	--	< 0.02 U	--	0.645	--	0.63	--	< 0.2 U	< 0.005 U	< 0.005 U	< 1 U	< 1 U	< 1 U	< 3 U	< 0.095 U	< 0.05 U	632	2,670
	4/3/2007	N	--	< 0.02 U	--	--	--	--	--	0.978	0.0146	0.0146	--	--	--	--	--	--	--	--
	4/14/2008	N	--	< 0.02 U	--	1.19	--	1.2	--	0.451	0.0066	0.0066	< 1 U	< 1 U	< 1 U	< 3 U	< 0.097 U	< 0.05 U	801	3,220
	3/16/2009	N	--	< 0.02 U	--	0.0479	--	< 0.020 U	--	< 0.2 U	0.157	0.157	< 1 U	1.5	1	5.4	< 0.097 U	< 0.05 U	502	3,290
	8/13/2009	N	--	< 0.02 U	--	0.0387	--	< 0.020 U	--	< 0.2 U	0.263	0.263	< 1 U	< 1 U	1	5.8	0.19	< 0.05 U	582	3,220

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Appendix E
Historical Analytical Data (through 2017)
2021 Annual Groundwater Monitoring Report
Former Eunice North Gas Plant

ARCADIS Design & Consultancy for natural and built assets

		Chemical Name	Dissolved Arsenic	Total Arsenic	Dissolved Chromium	Total Chromium	Dissolved Chromium, Hexavalent	Total Chromium, Hexavalent	Dissolved Iron	Total Iron	Dissolved Manganese	Total Manganese	Benzene	Toluene	Ethylbenzene	Total Xylenes	DRO	GRO	Chloride	TDS
		Units	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	ug/l	ug/l	ug/l	ug/l	mg/l	mg/l	mg/l	mg/l
		NMWQCC Standard	0.01	0.01	0.05	0.05	0.05	0.05	1	1	0.2	0.2	5	1,000	700	620			250	1000
Location ID	Sample Date	Sample Type																		
	3/2/2010	N	--	< 0.05 U	--	< 0.050 U	--	0.217	--	0.162	0.46	0.46	< 1 U	< 2 U	< 1 U	2.3	< 0.051 U	< 0.05 U	627	3,710
	5/24/2012	N	< 0.0100 U	--	0.0777	--	--	0.0312	1.2	--	0.223	--	< 1.00 U	< 2.00 U	< 1.00 U	< 1.00 U	--	--	501	2,930
	5/14/2013	N	< 0.0200 U	--	0.0269	--	--	< 0.0100 U	0.993	--	0.12	--	< 1.00 U	< 2.00 U	< 1.00 U	< 1.00 U	--	--	531	2,490
	5/22/2014	N	< 0.0200 U	--	0.0595	--	--	< 0.0100 U	< 0.200 U	--	0.345	--	< 1.00 U	< 2.00 U	< 1.00 U	< 1.00 U	--	--	680	2,730
	5/29/2015	N	0.00840 J	--	0.0676	--	--	< 0.0100 U	1.99	--	0.174	--	< 1.00 U	< 2.00 U	< 1.00 U	< 1.00 U	--	--	513	2,970
IW025	5/19/2016	N	0.0255	--	0.0552	--	< 0.00548 U	--	--	--	--	--	--	--	--	--	--	--	755	4,430
	5/4/2017	N	< 0.002 U	--	0.0255	--	< 0.01 U	--	0.063	--	0.822	--	--	--	--	--	--	--	832	3,750
	2/8/2006	N	--	< 0.02 U	--	0.499	--	0.47	--	< 0.2 U	< 0.005 U	< 0.005 U	< 1 U	< 1 U	< 1 U	< 3 U	< 0.6 U	< 0.6 U	612	2,930
	7/21/2006	N	--	< 0.02 U	--	0.618	--	0.6	--	< 0.2 U	< 0.005 U	< 0.005 U	< 1 U	< 1 U	< 1 U	< 3 U	< 0.095 U	< 0.05 U	583	2,990
	4/3/2007	N	--	< 0.02 U	--	0.0403	--	0.035	--	< 0.2 U	< 0.005 U	< 0.005 U	< 1 U	< 1 U	< 1 U	< 3 U	< 0.096 U	< 0.05 U	467	--
IW026	4/14/2008	N	--	< 0.02 U	--	--	--	--	--	0.648	0.0178	0.0178	--	--	--	--	--	--	--	1,630
	3/16/2009	N	--	< 0.02 U	--	< 0.015 U	--	< 0.020 U	--	< 0.2 U	< 0.005 U	< 0.005 U	< 1 U	< 1 U	< 1 U	< 3 U	< 0.099 U	< 0.05 U	518	1,790
	8/13/2009	N	--	< 0.02 U	--	< 0.015 U	--	< 0.020 U	--	< 0.2 U	< 0.005 U	< 0.005 U	< 1 U	< 1 U	< 1 U	< 3 U	< 0.098 U	< 0.05 U	460	1,640
	3/2/2010	N	--	< 0.05 U	--	< 0.050 U	--	--	--	0.135	< 0.05 U	< 0.05 U	< 1 U	< 2 U	< 1 U	< 1 U	0.075	< 0.05 U	--	--
	3/17/2010	N	--	--	--	--	--	< 0.010 U	--	--	--	--	--	--	--	--	--	--	205	760
	5/23/2012	N	< 0.0100 UJ	--	< 0.0100 U	--	--	< 0.0100 U	< 0.200 U	--	< 0.0200 U	--	< 1.00 U	< 2.00 U	< 1.00 U	< 1.00 U	--	--	513	1,650
IW026	5/14/2013	N	< 0.0200 U	--	0.00527 J	--	--	< 0.0100 U	< 0.200 U	--	< 0.0200 U	--	< 1.00 U	< 2.00 U	< 1.00 U	< 1.00 U	--	--	484	1,730
	5/22/2014	N	0.00624 J	--	0.114	--	--	0.117	< 0.200 U	--	< 0.0200 UJ	--	< 1.00 U	< 2.00 U	< 1.00 U	< 1.00 U	--	--	593	2,750
	5/29/2015	N	0.0171 J	--	0.00539 J	--	--	< 0.0100 U	< 0.200 U	--	< 0.0200 U	--	< 1.00 U	< 2.00 U	< 1.00 U	< 1.00 U	--	--	277	1,400
	5/19/2016	N	0.0283	--	0.752	--	0.662	--	--	--	--	--	--	--	--	--	--	--	614	3,220
	5/4/2017	N	0.0085	--	0.69	--	0.737	--	< 0.02 U	--	< 0.002 U	--	--	--	--	--	--	--	698	3,140
	2/8/2006	N	--	< 0.02 U	--	0.591	--	0.57	--	< 0.2 U	< 0.005 U	< 0.005 U	< 1 U	< 1 U	< 1 U	< 3 U	< 0.6 U	< 0.6 U	789	3,430
	7/21/2006	N	--	< 0.02 U	--	0.699	--	0.69	--	< 0.2 U	< 0.005 U	< 0.005 U	< 1 U	< 1 U	< 1 U	< 3 U	< 0.095 U	< 0.05 U	732	3,570
	4/4/2007	N	--	< 0.02 U	--	0.0352	--	0.023	--	< 0.2 U	< 0.005 U	< 0.005 U	< 1 U	< 1 U	< 1 U	< 3 U	< 0.097 U	< 0.05 U	197	--
	4/14/2008	N	--	< 0.02 U	--	0.41	--	0.42	--	0.254	0.008	0.008	< 1 U	< 1 U	< 1 U	< 3 U	< 0.11 U	< 0.05 U	575	3,090
	3/25/2009	N	--	< 0.02 U	--	0.383	--	0.38	--	< 0.2 U	< 0.005 U	< 0.005 U	< 1 U	< 1 U	< 1 U	< 3 U	< 0.098 U	< 0.05 U	2880	2,880
IW027	3/8/2010	N	--	0.3	--	0.347	--	0.383	--	< 0.03 U	< 0.050 U	< 0.050 U	< 1 U	< 1 U	< 1 U	< 1 U	< 0.052 U	< 0.05 U	497	2,760
	5/23/2012	N	< 0.0100 UJ	--	0.0157	--	--	0.0105	< 0.200 U	--	< 0.0200 U	--	< 1.00 U	< 2.00 U	< 1.00 U	< 1.00 U	--	--	344	2,280
	5/14/2013	N	< 0.0200 U	--	0.0123	--	--	< 0.0100 U	< 0.200 U	--	< 0.0200 U	--	< 1.00 U	< 2.00 U	< 1.00 U	< 1.00 U	--	--	98.3	1,030
	5/22/2014	N	0.00784 J	--	0.0139	--	--	0.0103	< 0.200 U	--	< 0.0200 UJ	--	< 1.00 U	< 2.00 U	< 1.00 U	< 1.00 U	--	--	167	1,660
	5/29/2015	N	0.00572 J	--	0.0137	--	--	0.0102	< 0.200 U	--	< 0.0200 U	--	< 1.00 U	< 2.00 U	< 1.00 U	< 1.00 U	--	--	120	910
	5/19/2016	N	0.0229	--	0.311	--	0.282	--	--	--	--	--	--	--	--	--	--	--	489	2,610
	5/4/2017	N	0.00815	--	0.282	--	0.293	--	0.189	--	0.00787	--	--	--	--	--	--	--	430	2,320
	6/16/2005	N	--	< 0.01 U	0.54	0.49	0.88	--	0.99	< 0.4 U	0.04	0.02	--	--	--	--	--	--	530	--
	2/8/2006	N	--	< 0.02 U	--	0.991	--	0.99	--	< 0.2 U	0.0079	0.0079	< 1 U	< 1 U	< 1 U	< 3 U	< 0.6 U	< 0.6 U	682	3,100
	7/21/2006	N	--	< 0.02 U	--	0.652	--	0.62	--	< 0.2 U	< 0.005 U	< 0.005 U	< 1 U	< 1 U	< 1 U	< 3 U	< 0.095 U	< 0.05 U	549	2,700
	4/4/2007	N	--	< 0.02 U	--	0.526	--	0.67	--	0.653	0.0202	0.0202	< 1 U	< 1 U	< 1 U	< 3 U	< 0.1 U	< 0.05 U	522	--
	4/15/2008	N	--	< 0.02 U	--	0.727	--	0.74	--	< 0.2 U	< 0.005 U	< 0.005 U	< 1 U	< 1 U	< 1 U	< 3 U	< 0.1 U	< 0.05 U	625	2,670
	4/7/2009	N	--	< 0.02 U	--	0.354	--	0.35	--	< 0.2 U	< 0.005 U	< 0.005 U	< 1 U	< 1 U	< 1 U	< 3 U	< 0.099 U	< 0.05 U	583	2,640
	3/8/2010	N	--	< 0.05 U	--	0.509	--	0.547	--	< 0.03 U	< 0.050 U	< 0.050 U	< 1 U	< 1 U	< 1 U	< 1 U	< 0.055 U	< 0.05 U	633	2,920
	5/22/2012	N	< 0.0100 U	--	0.0203	--	--	0.0144	< 0.200 U	--	0.0258	--	< 1.00 U	< 2.00 U	< 1.00 U	< 1.00 U	--	--	200	1,660
IW028	5/22/2012	FD	< 0.0100 U	--	0.0185	--	--	0.0132	< 0.200 U	--	< 0.0200 U	--	< 1.00 U	< 2.00 U	< 1.00 U	< 1.00 U	--	--	202	1,340
	9/6/2012	N	--	--	--	0.0185	--	0.015	< 0.200 U	< 0.200 U	--	--	--	--	--	--	--	--	--	--
	5/15/2013	N	0.0110 J	--	0.0202	--	--	0.0127	< 0.200 U	--	< 0.0200 U	--	< 1.00 U	< 2.00 U	< 1.00 U	< 1.00 U	--	--	140	1,300
	11/4/2013	N	--	--	0.0394	0.0394	--	0.0302	< 0.200 U	< 0.200 U	--	--	--	--	--	--	--	--	--	--
	5/22/2014	N	< 0.0200 U	--	0.0369	--	--	0.0341	< 0.200 U	--	< 0.0200 U	--	< 1.00 U	< 2.00 U	< 1.00 U	< 1.00 U	--	--	201	1,350
	5/29/2015	N	0.0103 J	--	0.024	--	--	0.0209	< 0.200 U	--	< 0.0200 U	--	< 1.00 U	< 2.00 U	< 1.00 U	< 1.00 U	--	--	111	1,010
	5/19/2016	N	0.022	--	0.501	--	0.642	--	--	--	--	--	--	--	--	--	--	--	506 X	2,990
	5/19/2016	FD	0.0225	--	0.287	--	0.679	--	--	--	--	--	--	--	--	--	--	--	514	1,110
	5/4/2017	N	0.00949	--	0.694	--	0.758	--	< 0.02 U	--	0.00436	--	--	--	--	--	--	--	702	2,740
	6/21/2012	N	--	0.00504	--	0.00748	--	--	--	--	--	--	< 1.00 U	< 1.00 U	< 1.00 U	< 1.00 U	--	--	--	--
	7/10/2012	N	--	--	--	0.112	--	0.144	--	--	--	--	--	--	--	--	--	--	--	--
	8/6/2012	N	--	--	--	0.208	--	0.108	--	--	--	--	--	--	--	--	--	--	--	--
	9/6/2012	N	--	--	--	0.184	--	0.126	< 0.200 U	< 0.200 U	--	--	--	--	--	--	--	--	--	--
IW029P	11/19/2012	N	--	--	--	< 0.0500 U	--	< 0.0100 U	119	58.1	--	--	--	--	--	--	--	--	--	--
	5/7/2014	N	0.00591 J	--	< 0.0100 U	--	--	< 0.0500 U	32.2	--	1.91	--	< 1.00 U	< 2.00 U	< 1.00 U	< 1.00 U	--	--	922	6,860
	6/2/2015	N	< 0.0200 U	--	0.00350 J	--	--	< 0.0100 U	0.139 J	--	2.15	--	< 1.00 U	< 2.00 U	< 1.00 U	< 1.00 U	--	--	921	5,870
	5/11/2017	N	0.106	--	0.00148 J	--	< 0.01 U	--	81.4	--	4.41	--	< 2 U	< 2 U	< 2 U	< 2 U	< 1.5 U	< 1.5 U	1,100	5,550
	5/11/2017	FD	0.107	--	0.00185 J	--	0.00310 J	--	80.7	--	4.18	--	< 2 U	< 2 U	< 2 U	8.66	< 1.5 U	< 1.5 U	1,080	5,440
	6/21/2012	N	--	< 0.00400 U	--	0.0513	--	--	--	--	--	--	< 1.00 U	< 1.00 U	< 1.00 U	3.75	--	--	--	--
	7/11/2012	N	--	--	--	0.907	--	0.839	--	--	--	--	--	--	--	--	--	--	--	--
IW030	9/6/2012	N	--	--	--	0.429	--	0.356	< 0.200 U	0.227	--	--	--	--	--	--	--	--	--	--

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		Chemical Name	Dissolved Arsenic	Total Arsenic	Dissolved Chromium	Total Chromium	Dissolved Chromium, Hexavalent	Total Chromium, Hexavalent	Dissolved Iron	Total Iron	Dissolved Manganese	Total Manganese	Benzene	Toluene	Ethylbenzene	Total Xylenes	DRO	GRO	Chloride	TDS
		Units	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	ug/l	ug/l	ug/l	ug/l	mg/l	mg/l	mg/l	mg/l
		NMWQCC Standard	0.01	0.01	0.05	0.05	0.05	0.05	1	1	0.2	0.2	5	1,000	700	620			250	1000
Location ID	Sample Date	Sample Type																		
	10/24/2013	N	--	--	--	**0.0168 J**	--	< 0.200 R	**38.3 J**	**118 J**	--	--	--	--	--	--	--	--	--	--
	10/24/2013	FD	--	--	--	**0.537 J**	--	**0.549 J**	< 0.200 U	< 0.200 U	--	--	--	--	--	--	--	--	--	--

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Location ID	Sample Date	Sample Type	Chemical Name	Dissolved Arsenic	Total Arsenic	Dissolved Chromium	Total Chromium	Dissolved Chromium, Hexavalent	Total Chromium, Hexavalent	Dissolved Iron	Total Iron	Dissolved Manganese	Total Manganese	Benzene	Toluene	Ethylbenzene	Total Xylenes	DRO	GRO	Chloride	TDS
			Units	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	ug/l	ug/l	ug/l	ug/l	mg/l	mg/l	mg/l	mg/l
			NMWQCC Standard	0.01	0.01	0.05	0.05	0.05	0.05	1	1	0.2	0.2	5	1,000	700	620			250	1000
LordWW	9/29/1997	N		< 0.10 U	--	0.59	--	--	--	--	--	--	--	--	--	--	--	--	--	--	480	2,200
	1/19/1999	N		< 0.10 U	--	0.52	--	--	--	--	--	--	--	--	--	--	--	--	--	--	800	3,100
	1/23/2006	N		--	< 0.02 U	--	0.0677	--	< 0.02 U	--	9.2	0.0466	0.0466	< 1 U	< 1 U	< 1 U	< 3 U	< 0.6 U	< 0.6 U	1,260	3,690
	6/27/2006	N		--	< 0.02 U	--	< 0.015 U	--	< 0.02 U	--	< 0.2 U	< 0.005 U	< 0.005 U	< 1 U	< 1 U	< 1 U	< 3 U	< 0.096 U	< 0.05 U	71.3	422
	6/27/2006	FD		--	< 0.02 U	--	< 0.015 U	--	< 0.02 U	--	< 0.2 U	< 0.005 U	< 0.005 U	< 1 U	< 1 U	< 1 U	< 3 U	< 0.096 U	< 0.05 U	62.6	430
	4/5/2007	N		--	< 0.02 U	--	0.148	--	< 0.02 U	--	31.3	0.34	0.34	< 1 U	< 1 U	< 1 U	< 3 U	< 0.097 U	< 0.05 U	1,540	--
	9/18/2007	N		--	7.32	--	< 0.015 U	--	< 0.02 U	--	7.32	0.192	0.192	< 1 U	< 1 U	< 1 U	< 3 U	0.93	< 0.5 U	1,320	--
	3/26/2008	N		--	< 0.02 U	--	0.0664	--	< 0.02 U	--	28.1	0.272	0.272	< 1 U	< 1 U	< 1 U	< 3 U	0.28	< 0.05 U	1,470	3,600
	8/13/2008	N		--	< 0.02 U	--	< 0.015 U	--	< 0.02 U	--	4.17	0.144	0.144	8.3	9.4	19	3.9	< 0.1 U	0.092	1,380	3,400
	3/19/2009	N		--	< 0.02 U	--	< 0.015 U	--	< 0.02 U	--	4.2	0.138	0.138	18	4.5	1.4	< 3 U	< 0.3 U	0.08	1,610	4,270
	8/21/2009	N		--	< 0.02 U	--	< 0.015 U	--	< 0.02 U	--	1.34	0.139	0.139	< 1 U	< 1 U	< 1 U	< 3 U	< 0.095 U	< 0.05 U	2,040	--
	3/12/2010	N		--	< 0.05 U	--	< 0.050 U	--	0.016	--	0.23	< 0.05 U	< 0.05 U	< 1 U	< 1 U	< 1 U	< 1 U	< 0.051 U	< 0.05 U	583	4,060
	8/18/2010	N		--	0.014	--	< 0.050 U	--	< 0.01 U	--	0.591	0.11	0.11	< 1 U	< 2 U	< 1 U	< 1 U	0.055	< 0.05 U	1,220	4,110
	5/18/2012	N		< 0.0100 U	--	< 0.0100 U	--	--	< 0.0100 U	< 0.200 U	--	0.115	--	< 1.00 UJ	< 2.00 UJ	< 1.00 UJ	< 1.00 UJ	--	--	1,670	4,670
	10/26/2012	N		--	< 0.0100 U	--	< 0.0100 U	--	< 0.0100 U	--	9.71	0.208	0.208	< 1.00 U	< 2.00 U	< 1.00 U	< 1.00 U	--	--	1,540	3,270
	5/23/2013	N		< 0.0200 U	--	< 0.0100 U	--	--	0.0174	< 0.200 U	--	0.0539	--	< 1.00 U	< 2.00 U	< 1.00 U	< 1.00 U	--	--	1430 E	3,330
	11/5/2013	N		< 0.0200 U	--	< 0.0100 U	--	--	< 0.0100 U	0.507	--	0.261	--	< 1.00 U	< 2.00 U	< 1.00 U	< 1.00 U	--	--	1,320	2,600
	5/9/2014	N		< 0.0200 U	--	< 0.0100 U	--	--	< 0.0500 U	< 0.200 U	--	0.0822	--	< 1.00 U	< 2.00 U	< 1.00 U	< 1.00 U	--	--	1,640	2,400
	11/10/2014	N		< 0.0200 U	--	< 0.0100 U	--	--	< 0.0100 U	< 0.200 U	--	0.147	--	< 1.00 U	< 2.00 U	< 1.00 U	< 1.00 U	--	--	1,870	2,780
	5/27/2015	N		< 0.0200 U	--	< 0.0100 U	--	--	< 0.0100 U	< 0.200 U	--	0.0743	--	< 1.00 U	< 2.00 U	< 1.00 U	< 1.00 U	--	--	1,500	3,140
	11/9/2015	N		< 0.0200 U	--	0.00275 J	--	--	< 0.0100 U	< 0.200 U	--	0.0666	--	--	--	--	--	--	--	1,450	2,540
	5/16/2016	N		< 0.00336 U	--	< 0.00136 U	--	< 0.00548 U	--	--	--	--	--	--	--	--	--	--	--	1,830	2,360
	9/20/2016	N		0.0178	--	0.00295 J	--	< 0.01 U	--	0.447	--	0.086	--	--	--	--	--	--	--	1,370	2,440
	5/11/2017	N		0.000551 J	--	0.00161 J	--	< 0.01 U	--	0.18	--	0.0971	--	--	--	--	--	--	--	1,490	2,730
MW001	8/1/1996	N		--	--	--	--	--	--	--	--	--	--	9	69	82	169	--	--	--	--
	4/23/1997	N		< 0.10 U	--	< 0.05 U	--	--	--	--	--	--	--	384 11	33	75	49	--	--	200	2,000
	1/20/1999	N		< 0.10 U	--	< 0.05 U	--	--	--	--	--	--	--	6	19	29	29	--	--	370	2,400
	1/20/1999	FD		< 0.10 U	--	< 0.05 U	--	--	--	--	--	--	--	6	17	28	24	--	--	350	2,200
	11/17/1999	N		--	--	< 0.05 U	--	--	--	--	--	--	--	8	18	14	42	--	--	250	2,200
	11/17/1999	FD		--	--	< 0.05 U	--	--	--	--	--	--	--	--	--	--	--	--	--	350	1,270
	5/31/2001	N		--	< 0.05 U	--	< 0.05 U < 0.05 U	--	0.03 < 0.005 U	--	--	--	--	60	20	540	90	--	--	260	2,180
	5/31/2001	FD		--	< 0.05 U	--	< 0.05 U	--	< 0.005 U	--	--	--	--	70	< 20 U	580	100	--	--	250	2,120
	2/7/2002	N		--	--	< 0.05 U	--	0.025	--	< 0.1 U	0.9	1.08	0.99	2	9	59	84	< 0.26 U	0.489	540	2,620
	9/23/2002	N		--	--	< 0.05 U	--	0.019	--	--	--	--	--	< 2 U	4	80	170	0.28	0.93	400	--
	9/23/2002	FD		--	--	< 0.05 U	--	0.017	--	--	--	--	--	2	6	85	180	0.3	1	350	--
	1/8/2003	N		--	--	--	--	0.036	--	--	--	--	--	< 2 U	3	18	26	< 0.25 U	0.22	500	--
	1/8/2003	FD		--	--	--	--	0.053	--	--	--	--	--	< 2 U	2	17	24	< 0.25 U	0.28	510	--
	3/27/2003	N		--	--	--	--	0.008	--	--	--	--	--	< 2 U	< 2 U	16	23	< 0.25 U	0.15	380	--
	3/27/2003	FD		--	--	--	--	0.025	--	--	--	--	--	< 2 U	< 2 U	18	24	< 0.25 U	0.14	270	--
	6/5/2003	N		--	--	--	--	0.024	--	--	--	--	--	3	4	52	69	< 0.24 U	0.39	510	--
	6/5/2003	FD		--	--	--	--	0.026	--	--	--	--	--	< 2 U	3	40	54	0.32	0.32	530	--
	1/26/2004	N		--	--	< 0.01 U	--	< 0.005 U	--	--	--	--	--	20	20	630	200	7.2	2.8	90	--
	1/26/2004	FD		--	--	< 0.01 U	--	< 0.005 U	--	--	--	--	--	20	30	610	190	4.4	2.3	90	--
	7/28/2004	N		--	--	< 0.01 U	--	0.005	--	--	--	--	--	10	8	150	57	< 2.5 U	1.6	630	--
	1/12/2005	N		--	--	< 0.01 U	--	< 0.005 U	--	--	--	--	--	4	< 2 U	47	< 6 U	< 0.25 U	0.22	200	--
	5/26/2005	N		--	--	0.02	--	--	--	--	--	--	--	20	4	73	23	< 0.25 U	0.44	230	--
	1/27/2006	N		--	< 0.02 U	--	0.0343	--	< 0.02 U	--	2.74	0.832	0.832	1.7	< 1 U	44	3.3	< 0.6 U	< 0.6 U	338	2,160
	1/27/2006	FD		--	< 0.02 U	--	0.0349	--	< 0.02 U	--	2.9	0.828	0.828	1.7	< 1 U	46	3.2	< 0.6 U	< 0.6 U	346	2,160
	7/13/2006	N		--	< 0.02 U	--	0.0308	--	< 0.02 U	--	2.18	0.766	0.766	89	< 1 U	37	4.2	0.54	0.3	368	2,290
	4/19/2007	N		--	< 0.02 U	--	< 0.015 U	--	< 0.02 U	--	4.09	0.895	0.895	36	< 1 U	110	9.5	0.5	0.38	327	--
	4/17/2008	N		--	< 0.02 U	--	< 0.015 U	--	< 0.2 U	--	0.644	1.53	1.53	< 1 U	< 1 U	1.6	< 3 U	0.41	< 0.05 U	112	3,050
	3/16/2010	N		--	< 0.05 U	--	< 0.050 U	--	0.024	--	0.205	1.08	1.08	< 1 U	< 1 U	1.56	< 1 U	0.416	< 0.05 U	120	2,950
	5/24/2012	N		< 0.0100 U	--	< 0.0100 U	--	--	< 0.0100 U	< 0.200 U	--	1.31	--	< 1.00 U	< 2.00 U	2.36	< 1.00 U	--	--	131	2,970
	5/21/2013	N		< 0.0200 U	--	< 0.0100 U	--	--	< 0.0100 U	< 0.200 U	--	2.6	--	< 1.00 U	< 2.00 U	6.61	< 1.00 U	--	--	127	2,780
	5/6/2014	N		< 0.0200 U	--	0.113	--	--	0.112	< 0.200 U	--	0.26	--	< 1.00 U	< 2.00 U	< 1.00 U	< 1.00 U	--	--	429	3,240
	6/2/2015	N		< 0.0200 U	--	0.00117 J	--	--	< 0.0100 U	< 0.200 U	--	1.72	--	< 1.00 U	< 2.00 U	2.46	1.82	--	--	333	2,490
	5/20/2016	N		0.00405 J	--	0.767	--	0.881	--	--	--	--	--	< 0.408 U	< 1 U	< 0.657 U	< 0.642 U	< 0.987 U	< 0.987 U	496	3,240
	5/10/2017	N		0.00199 J	--	0.0181	--	< 0.01 U	--	0.0102 J	--	0.91	--	< 2 U	< 2 U	36.4	< 2 U	< 1.5 U	< 1.5 U	408	2,500
	5/10/2017	FD		0.00185 J	--	0.02	--	0.0135	--	0.0125 J	--	0.937	--	< 2 U	< 2 U	31.5	< 2 U	< 1.5 U	< 1.5 U	475	2,580
	9/26/2017	N		0.00221	--	0.00906	--	< 0.01 U	--	< 0.1 U	--	0.694	--	< 2 U	< 2 U	< 2 U	< 2 U	< 1.5 U	< 1.5 U	482	2,810

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		Units	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	ug/l	ug/l	ug/l	ug/l	mg/l	mg/l	mg/l	mg/l
		NMWQCC Standard	0.01	0.01	0.05	0.05	0.05	0.05	1	1	0.2	0.2	5	1,000	700	620			250	1000
Location ID	Sample Date	Sample Type																		
	4/4/2018	Reg	--	**0.00154 J**	--	**0.00146 J**	--	< 0.0100 U	< 0.100 U	--	--	**0.739**	< 2 U	< 2 U	< 2 U	< 2 U	< 1.50 U	< 1.50 U	**292**	**2,350**
	9/11/2018	Reg	**0.00241 J**	--	**0.00146 J**	--	< 0.0100 U	--	--	< 0.100 U	**0.584**	--	< 2 U	< 2 U	< 2 U	< 2 U	--	< 1.50 U	**275**	**2,610**
MW002	4/22/1997	N	--	--	--	--	--	--	--	--	--	--	< 1 U	< 1 U	< 1 U	< 1 U	--	--	--	--
	4/23/1997	N	< 0.10 U	--	< 0.05 U	--	--	--	--	--	--	--	--	--	--	--	--	--	**350**	**1,200**
	1/20/1999	N	< 0.10 U	--	< 0.05 U	--	--	--	--	--	--	--	--	--	--	--	--	--	**350**	**1,100**
	11/17/1999	N	--	--	< 0.05 U	--	--	--	--	--	--	--	--	--	--	--	--	--	**470**	**1,400**
	5/22/2001	N	--	< 0.05 U	--	< 0.05 U	--	**0.039**	--	--	--	--	< 2 U	< 2 U	< 2 U	< 2 U	--	--	**490**	**1,210**
	1/24/2002	N	--	--	< 0.05 U	--	**0.015**	--	< 0.1 U	< 0.1 U	< 0.05 U	< 0.05 U	< 2 U	< 2 U	< 2 U	< 2 U	< 0.25 U	< 0.05 U	**470**	**1,460**
	9/16/2002	N	--	--	< 0.05 U	--	**0.024**	--	--	--	--	--	< 2 U	**2**	< 2 U	< 2 U	< 0.25 U	< 0.05 U	**460**	--
	12/18/2002	N	--	--	--	--	**0.018**	--	--	--	--	--	< 2 U	< 2 U	< 2 U	< 2 U	< 0.25 U	< 0.05 U	**510**	--
	3/13/2003	N	--	--	--	--	**0.033**	--	--	--	--	--	< 2 U	< 2 U	< 2 U	< 2 U	< 0.25 U	< 0.05 U	**470**	--
	5/28/2003	N	--	--	--	--	**0.032**	--	--	--	--	--	< 2 U	< 2 U	< 2 U	< 2 U	< 0.23 U	< 0.05 U	**430**	--
	1/20/2004	N	--	--	**0.02**	--	**0.013**	--	--	--	--	--	< 2 U	< 2 U	< 2 U	< 6 U	< 0.27 U	< 0.05 U	**400**	--
	6/23/2004	N	--	--	**0.02**	--	**0.016**	--	--	--	--	--	< 2 U	< 2 U	< 2 U	< 6 U	< 0.25 U	< 0.05 U	**410**	--
	6/23/2004	FD	--	--	**0.02**	--	**0.015**	--	--	--	--	--	< 2 U	< 2 U	< 2 U	< 6 U	< 0.25 U	< 0.05 U	**400**	--
	1/4/2005	N	--	--	**0.03**	--	**0.025**	--	--	--	--	--	< 2 U	< 2 U	< 2 U	< 6 U	< 0.25 U	< 0.05 U	**440**	--
	1/4/2005	FD	--	--	**0.03**	--	**0.033**	--	--	--	--	--	< 2 U	< 2 U	< 2 U	< 6 U	< 0.25 U	< 0.05 U	**430**	--
	6/6/2005	N	--	--	**0.06**	--	--	--	--	--	--	--	< 2 U	< 2 U	< 2 U	< 6 U	< 0.25 U	< 0.05 U	**410**	--
	1/24/2006	N	--	< 0.02 U	--	**0.0642**	--	**0.058**	--	**0.999**	**0.0147**	**0.0147**	< 1 U	< 1 U	< 1 U	< 3 U	< 0.6 U	< 0.6 U	**552**	**1,700**
	7/6/2006	N	--	< 0.02 U	--	**0.0339**	--	**0.037**	--	< 0.2 U	< 0.005 U	< 0.005 U	< 1 U	< 1 U	< 1 U	< 3 U	< 0.095 U	< 0.05 U	**553**	**1,790**
	4/12/2007	N	--	< 0.02 U	--	**0.0699**	--	**0.064**	--	< 0.2 U	< 0.005 U	< 0.005 U	< 1 U	< 1 U	< 1 U	< 3 U	< 0.097 U	< 0.05 U	**817**	--
	4/2/2008	N	--	< 0.02 U	--	**0.147**	--	**0.15**	--	< 0.2 U	< 0.005 U	< 0.005 U	**4.5**	**1.4**	< 1 U	< 3 U	< 0.097 U	< 0.05 U	**934**	**2,730**
	3/31/2009	N	--	< 0.02 U	--	**0.137**	--	**0.13**	--	< 0.2 U	< 0.005 U	< 0.005 U	< 1 U	< 1 U	< 1 U	< 3 U	**0.19**	< 0.05 U	**1,040**	**3,290**
	3/8/2010	N	--	< 0.05 U	--	**0.145**	--	**0.15**	--	< 0.03 U	< 0.05 U	< 0.05 U	< 1 U	< 1 U	< 1 U	< 1 U	**0.234**	< 0.05 U	**998**	**3,500**
	5/24/2012	N	< 0.0100 U	--	**0.0567**	--	--	**0.072**	< 0.200 U	--	< 0.0200 U	--	< 1.00 U	< 2.00 U	< 1.00 U	< 1.00 U	--	--	**1,210**	**4,640**
	5/21/2013	N	**0.0120 J**	--	**0.0452**	--	--	**0.0475**	< 0.200 UJ	--	**0.00403 J**	--	< 1.00 U	< 2.00 U	< 1.00 U	< 1.00 U	--	--	**1,130**	**4,130**
	5/22/2014	N	**0.00951 J**	--	**0.0382**	--	--	**0.0364**	< 0.200 U	--	< 0.0200 U	--	< 1.00 U	< 2.00 U	< 1.00 U	< 1.00 U	--	--	**912**	**3180 J**
	6/4/2015	N	**0.0203**	--	**0.0429**	--	--	**0.0427**	< 0.200 UJ	--	< 0.0200 U	--	< 1.00 U	< 2.00 U	< 1.00 U	< 1.00 U	--	--	**811**	**3,090**
	5/20/2016	N	**0.014**	--	**0.105**	--	**0.094**	--	--	--	--	--	< 0.408 U	< 1 U	< 0.657 U	< 0.642 U	< 0.986 U	< 0.986 U	**724**	**2,810**
	5/9/2017	N	**0.00922 J**	--	**0.285**	--	**0.271**	--	< 0.1 U	--	**0.00199 J**	--	< 2 U	< 2 U	< 2 U	< 2 U	< 1.5 U	< 1.5 U	**845**	**2,750**
MW002A	12/9/2002	N	--	< 0.05 U	< 0.05 U	--	**0.029**	--	--	--	--	--	< 2 U	< 2 U	< 2 U	< 2 U	< 0.5 U	< 0.05 U	**450**	**1,330**
	3/12/2003	N	--	--	--	--	**0.036**	--	--	--	--	--	< 2 U	< 2 U	< 2 U	< 2 U	< 0.25 U	< 0.05 U	**670**	--
	5/28/2003	N	--	--	--	--	**0.031**	--	--	--	--	--	--	--	--	--	--	--	**730**	--
	1/20/2004	N	--	--	**0.02**	--	**0.011**	--	--	--	--	--	--	--	--	--	--	--	**430**	--
	6/23/2004	N	--	--	**0.02**	--	**0.022**	--	--	--	--	--	--	--	--	--	--	--	**510**	--
	1/4/2005	N	--	--	**0.04**	--	**0.029**	--	--	--	--	--	--	--	--	--	--	--	**510**	--
	6/6/2005	N	--	--	**0.03**	--	--	--	--	--	--	--	--	--	--	--	--	--	**450**	--
	1/24/2006	N	--	< 0.02 U	--	**0.0268**	--	**0.026**	--	< 0.2 U	< 0.005 U	< 0.005 U	< 1 U	< 1 U	< 1 U	< 3 U	< 0.6 U	< 0.6 U	**506**	**1,340**
	7/6/2006	N	--	**0.0202**	--	**0.0787**	--	**0.068**	--	< 0.2 U	**0.0051**	**0.0051**	< 1 U	< 1 U	< 1 U	< 3 U	**0.46**	< 0.05 U	**848**	**1,980**
	4/12/2007	N	--	< 0.02 U	--	**0.0586**	--	**0.045**	--	< 0.2 U	**0.0115**	**0.0115**	< 1 U	< 1 U	< 1 U	< 3 U	< 0.097 U	< 0.05 U	**729**	--
	4/2/2008	N	--	**0.0222**	--	**0.278**	--	**0.27**	--	< 0.2 U	**0.0363**	**0.0363**	**15**	**3.2**	**1.2**	< 3 U	**0.74**	< 0.05 U	**1,460**	**2,820**
	3/31/2009	N	--	< 0.02 U	--	**0.333**	--	**0.34**	--	< 0.2 U	**0.0228**	**0.0228**	< 1 U	< 1 U	< 1 U	< 3 U	**0.51**	< 0.05 U	**1,160**	**2,750**
	3/8/2010	N	--	< 0.05 U	--	**0.431**	--	**0.437**	--	< 0.03 U	< 0.05 U	< 0.05 U	**1.1**	< 1 U	< 1 U	< 1 U	**0.515**	< 0.05 U	**1,170**	**1,660**
	5/24/2012	N	< 0.0100 U	--	**0.0298**	--	--	**0.0254**	< 0.200 U	--	< 0.0200 U	--	< 1.00 U	< 2.00 U	< 1.00 U	< 1.00 U	--	--	**337**	**1,260**
	5/21/2013	N	**0.00953 J**	--	**0.0205**	--	--	**0.0168**	< 0.200 U	--	< 0.0200 U	--	< 1.00 U	< 2.00 U	< 1.00 U	< 1.00 U	--	--	**346**	**1,180**
	5/22/2014	N	**0.0108 J**	--	**0.0207**	--	--	**0.0161**	< 0.200 U	--	< 0.0200 UJ	--	< 1.00 U	< 2.00 U	< 1.00 U	< 1.00 U	--	--	**341**	**1,090**
	6/4/2015	N	**0.0193 J**	--	**0.00936 J**	--	--	< 0.0100 U	< 0.200 UJ	--	**0.00965 J**	--	< 1.00 U	< 2.00 U	< 1.00 U	< 1.00 U	--	--	**372**	**1,050**
	5/20/2016	N	**0.0227**	--	**0.664**	--	**0.462**	--	--	--	--	--	--	--	--	--	--	--	**1,350**	**3,310**
	5/9/2017	N	**0.0164**	--	**0.709**	--	**0.781**	--	< 0.1 U	--	**0.0235**	--	--	--	--	--	--	--	**1,400**	**3,510**
	9/22/2017	N	**0.0204**	--	**0.867**	--	**0.892**	--	**0.0591 J**	--	**0.0234**	--	--	--	--	--	--	--	**1,310**	**3,550**
	4/4/2018	Reg	--	**0.0146**	--	**0.638**	--	**0.724**	< 0.100 U	--	--	**0.0163**	--	--	--	--	--	--	**1,620**	**3,010**
	9/14/2018	Reg	**0.0195**	--	**0.963**	--	**0.796**	--	--	< 0.100 U	**0.0193**	--	--	--	--	--	--	--	**1,610**	**3,330**
MW003	4/22/1997	N	< 0.10 U	--	**0.36**	--	--	--	--	--	--	--	< 1 U	< 1 U	< 1 U	< 1 U	--	--	**430**	**2,000**
	6/11/1997	N	< 0.10 U	--	**0.22**	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	5/24/2001	N	--	< 0.05 U	--	**2.9**	--	**3**	--	--	--	--	< 2 U	< 2 U	< 2 U	< 2 U	--	--	**1,100**	**4,700**
	1/30/2002	N	--	--	**1.45**	--	**1.1**	--	< 0.1 U	< 0.1 U	< 0.05 U	< 0.05 U	--	--	--	--	--	--	**900**	**2,320**
	1/30/2002	FD	--	--	**1.41**	--	**1.3**	--	< 0.1 U	< 0.1 U	< 0.05 U	< 0.05 U	--	--	--	--	--	--	**1,900**	**3,580**
	9/18/2002	N	--	--	**1.85**	--	**1.1**	--	--	--	--	--	--	--	--	--	--	--	**850**	**3,960**
	1/6/2003	N	--	--	--	--	**0.47**	--	--	--	--	--	--	--	--	--	--	--	**640**	--
	3/19/2003	N	--	--	--	--	**1.3**	--	--	--	--	--	--	--	--	--	--	--	**1,050**	--
	6/4/2003	N	--	--	--	--	**0.907**	--	--	--	--	--	--	--	--	--	--	--	**950**	--
	1/20/2004	N	--	--	**0.14**	--	**0.13**	--	--	--	--	--	--	--	--	--	--	--	**500**	--

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Appendix E
Historical Analytical Data (through 2017)
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		Chemical Name	Dissolved Arsenic	Total Arsenic	Dissolved Chromium	Total Chromium	Dissolved Chromium, Hexavalent	Total Chromium, Hexavalent	Dissolved Iron	Total Iron	Dissolved Manganese	Total Manganese	Benzene	Toluene	Ethylbenzene	Total Xylenes	DRO	GRO	Chloride	TDS
		Units	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	ug/l	ug/l	ug/l	ug/l	mg/l	mg/l	mg/l	mg/l
		NMWQCC Standard	0.01	0.01	0.05	0.05	0.05	0.05	1	1	0.2	0.2	5	1,000	700	620			250	1000
Location ID	Sample Date	Sample Type																		
	6/29/2004	N	--	--	0.5	--	0.38	--	--	--	--	--	< 2 U	< 2 U	< 2 U	< 6 U	< 0.25 U	< 0.05 U	740	--
	1/6/2005	N	--	--	0.3	--	0.02	--	--	--	--	--	< 2 U	< 2 U	< 2 U	< 6 U	< 0.25 U	< 0.05 U	570	--
	6/3/2005	N	--	--	0.18	--	--	--	--	--	--	--	--	--	--	--	--	--	480	--
	1/25/2006	N	--	< 0.02 U	--	0.194	--	0.2	--	< 0.2 U	< 0.005 U	< 0.005 U	< 1 U	< 1 U	< 1 U	< 3 U	< 0.6 U	< 0.6 U	514	2,420
	7/7/2006	N	--	< 0.02 U	--	0.187	--	0.17	--	< 0.2 U	< 0.005 U	< 0.005 U	< 1 U	< 1 U	< 1 U	< 3 U	< 0.095 U	< 0.05 U	530	2,400
	4/16/2007	N	--	< 0.02 U	--	0.116	--	0.1	--	< 0.2 U	< 0.005 U	< 0.005 U	< 1 U	< 1 U	< 1 U	< 3 U	< 0.096 U	< 0.05 U	372	--
	4/3/2008	N	--	< 0.02 U	--	0.085	--	0.052	--	< 0.2 U	< 0.005 U	< 0.005 U	3.7	1.2	< 1 U	< 3 U	< 0.096 U	< 0.05 U	317	2,180
	5/22/2012	N	< 0.0100 U	--	0.0319	--	--	0.0295	< 0.200 U	--	< 0.0200 U	--	< 1.00 UJ	< 2.00 UJ	< 1.00 UJ	< 1.00 UJ	--	--	20.9	1,210
MW003	5/16/2013	N	0.0213	--	0.0174	--	--	0.016	< 0.200 U	--	< 0.0200 U	--	< 1.00 U	< 2.00 U	< 1.00 U	< 1.00 U	--	--	45.7	1,040
	5/7/2014	N	0.0109 J	--	0.0181	--	--	0.0153	< 0.200 U	--	< 0.0200 U	--	< 1.00 U	< 2.00 U	< 1.00 U	< 1.00 U	--	--	383	2,000
	6/2/2015	N	0.0116 J	--	0.0307	--	--	0.028	< 0.200 U	--	< 0.0200 U	--	< 1.00 U	< 2.00 U	< 1.00 U	< 1.00 U	--	--	191	1,390
	5/19/2016	N	0.00846 J	--	0.065	--	0.0833	--	--	--	--	--	--	--	--	--	--	--	664	3,030
	5/19/2016	FD	0.00739 J	--	0.136	--	0.167	--	--	--	--	--	--	--	--	--	--	--	637	2,710
	5/4/2017	N	0.0135	--	0.0481	--	< 0.01 U	--	< 0.02 U	--	< 0.002 U	--	--	--	--	--	--	--	64.1	784
	4/23/1997	N	< 0.10 U	--	0.08	--	--	--	--	--	--	--	< 1 U	< 1 U	< 1 U	< 1 U	< 0.001 U	< 0.001 U	290	1,600
	6/11/1997	N	< 0.10 U	--	0.08	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW004	1/21/1999	N	< 0.10 U	--	0.09	--	--	--	--	--	--	--	< 1 U	< 1 U	< 1 U	< 1 U	< 0.001 U	< 0.001 U	310	1,600
	1/21/1999	FD	< 0.10 U	--	0.09	--	--	--	--	--	--	--	< 1 U	< 1 U	< 1 U	< 1 U	--	--	320	1,600
	11/18/1999	N	--	--	0.42	--	--	--	--	--	--	--	< 1 U	< 1 U	< 1 U	< 1 U	< 0.001 U	< 0.001 U	620	2,600
	5/24/2001	N	--	< 0.05 U	--	0.67 < 0.05 U	--	0.61 < 0.005 U	--	--	--	--	< 2 U	< 2 U	< 2 U	< 2 U	--	--	800	3,360
	1/28/2002	N	--	--	1.3	--	0.9	--	< 0.1 U	< 0.1 U	< 0.05 U	< 0.05 U	< 2 U	< 2 U	< 2 U	< 2 U	< 0.27 U	< 0.05 U	1,030	3,990
	9/18/2002	N	--	--	0.39	--	0.29	--	--	--	--	--	< 2 U	< 2 U	< 2 U	< 2 U	< 0.25 U	< 0.05 U	610	--
	12/30/2002	N	--	--	--	--	0.26	--	--	--	--	--	< 2 U	< 2 U	< 2 U	< 2 U	< 0.25 U	< 0.05 U	700	--
	3/18/2003	N	--	--	--	--	0.39	--	--	--	--	--	< 2 U	< 2 U	< 2 U	< 2 U	< 0.25 U	< 0.05 U	730	--
	6/4/2003	N	--	--	--	--	0.334	--	--	--	--	--	< 2 U	< 2 U	< 2 U	< 2 U	< 0.24 U	< 0.05 U	680	--
	1/19/2004	N	--	--	0.1	--	0.053	--	--	--	--	--	< 2 U	< 2 U	< 2 U	< 6 U	< 0.25 U	< 0.05 U	650	--
	6/24/2004	N	--	--	0.12	--	0.063	--	--	--	--	--	--	--	--	--	--	--	370	--
	1/4/2005	N	--	--	0.6	--	0.55	--	--	--	--	--	--	--	--	--	--	--	560	--
	6/6/2005	N	--	--	0.93	--	--	--	--	--	--	--	< 2 U	< 2 U	< 2 U	< 6 U	< 0.25 U	< 0.05 U	760	--
	1/25/2006	N	--	< 0.02 U	--	1.5	--	0.14	--	< 0.2 U	0.0209	0.0209	< 1 U	< 1 U	< 1 U	< 3 U	< 0.6 U	< 0.6 U	904	3,320
MW004	7/7/2006	N	--	< 0.02 U	--	1.79	--	1.8	--	< 0.2 U	0.0184	0.0184	< 1 U	< 1 U	< 1 U	< 3 U	< 0.095 U	< 0.05 U	776	3,320
	4/17/2007	N	--	< 0.02 U	--	1.92	--	0.51	--	< 0.2 U	0.0163	0.0163	< 1 U	< 1 U	< 1 U	< 3 U	< 0.095 U	< 0.05 U	1,130	--
	4/15/2008	N	--	< 0.02 U	--	2.28	--	1.9	--	< 0.2 U	0.0055	0.0055	2.8	< 1 U	< 1 U	< 3 U	0.14	< 0.05 U	1,030	3,360
	3/30/2009	N	--	< 0.02 U	--	--	--	--	--	< 0.2 U	0.0192	0.0192	--	--	--	--	--	--	--	3,940
	3/31/2009	N	--	--	--	1.46	--	1.5	--	--	--	--	< 1 U	< 1 U	< 1 U	< 3 U	0.23	< 0.05 U	852	--
	3/8/2010	N	--	< 0.05 U	--	1.18	--	1.17	--	< 0.03 U	< 0.05 U	< 0.05 U	< 1 U	< 1 U	< 1 U	< 1 U	0.196	< 0.05 U	781	3,520
	5/22/2012	N	< 0.0100 U	--	0.277	--	--	0.286	< 0.200 U	--	< 0.0200 U	--	< 1.00 U	< 2.00 U	< 1.00 U	< 1.00 U	--	--	640	3,190
	5/22/2012	FD	< 0.0100 U	--	0.274	--	--	0.285	< 0.200 U	--	0.028	--	< 1.00 U	< 2.00 U	< 1.00 U	< 1.00 U	--	--	658	3,700
	5/15/2013	N	< 0.0200 U	--	0.123	--	--	0.0998	< 0.200 U	--	0.0134 J	--	< 1.00 U	< 2.00 U	< 1.00 U	< 1.00 U	--	--	298	1,810
	5/21/2014	N	< 0.0200 U	--	0.277	--	--	0.277	< 0.200 U	--	< 0.0200 U	--	< 1.00 U	< 2.00 U	< 1.00 U	< 1.00 U	--	--	571	2,800
	5/28/2015	N	0.00762 J	--	0.00503 J	--	--	< 0.0100 U	< 0.200 U	--	0.0463	--	< 1.00 U	< 2.00 U	< 1.00 U	< 1.00 U	--	--	212	1,440
	5/19/2016	N	0.0303	--	0.327	--	0.334	--	--	--	--	--	< 0.408 U	< 1 U	< 0.657 U	< 0.642 U	< 0.987 U	< 0.987 U	576	3,120
	5/5/2017	N	0.00984	--	0.339 J	--	0.257 J	--	0.0228	--	< 0.002 UJ	--	< 2 U	< 2 U	< 2 U	< 2 U	< 1.5 U	< 1.5 U	672 J	2,880
	5/5/2017	FD	0.00898	--	0.672 J	--	0.796	--	< 0.02 U	--	0.0428 J	--	< 2 U	< 2 U	< 2 U	< 2 U	< 1.5 U	< 1.5 U	1120 J	3,550
	4/23/1997	N	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	170	790
	10/23/1997	N	< 0.10 U	--	0.05	--	--	--	--	--	--	--	< 1 U	< 1 U	< 1 U	< 1 U	--	--	--	--
	1/21/1999	N	< 0.10 U	--	0.05	--	--	--	--	--	--	--	< 1 U	< 1 U	< 1 U	< 1 U	--	--	240	830
	5/23/2001	N	--	< 0.05 U	--	0.13	--	0.14	--	--	--	--	< 2 U	< 2 U	< 2 U	< 2 U	--	--	470	1,320
	1/28/2002	N	--	--	0.15	--	0.086	--	< 0.1 U	< 0.1 U	< 0.05 U	< 0.05 U	< 2 U	< 2 U	< 2 U	< 2 U	< 0.27 U	< 0.05 U	490	1,540
	9/17/2002	N	--	--	0.17	--	0.12	--	--	--	--	--	--	--	--	--	--	--	440	--
	12/30/2002	N	--	--	--	--	0.14	--	--	--	--	--	--	--	--	--	--	--	480	--
	3/13/2003	N	--	--	--	--	0.14	--	--	--	--	--	--	--	--	--	--	--	480	--
	6/4/2003	N	--	--	--	--	0.166	--	--	--	--	--	--	--	--	--	--	--	490	--
	1/19/2004	N	--	--	0.07	--	0.033	--	--	--	--	--	--	--	--	--	--	--	280	--
MW004A	6/24/2004	N	--	--	0.09	--	0.106	--	--	--	--	--	--	--	--	--	--	--	580	--
	1/4/2005	N	--	--	0.15	--	0.08	--	--	--	--	--	--	--	--	--	--	--	360	--
	6/6/2005	N	--	--	0.13	--	--	--	--	--	--	--	--	--	--	--	--	--	340	--
	1/25/2006	N	--	< 0.02 U	--	0.175	--	0.18	--	< 0.2 U	< 0.005 U	< 0.005 U	< 1 U	< 1 U	< 1 U	< 3 U	< 0.6 U	< 0.6 U	483	1,440
	7/7/2006	N	--	< 0.02 U	--	0.177	--	0.18	--	< 0.2 U	< 0.005 U	< 0.005 U	< 1 U	< 1 U	< 1 U	< 3 U	< 0.094 U	< 0.05 U	373	1,460
	4/16/2007	N	--	< 0.02 U	--	0.265	--	0.28	--	< 0.2 U	< 0.005 U	< 0.005 U	< 1 U	< 1 U	< 1 U	< 3 U	0.1	< 0.05 U	523	--
	4/3/2008	N	--	0.0203	--	0.334	--	0.23	--	< 0.2 U	< 0.005 U	< 0.005 U	12	2.5	< 1 U	< 3 U	< 0.096 U	< 0.05 U	571	1,740

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Former Eunice North Gas Plant

ARCADIS Design & Consultancy for natural and built assets

		Chemical Name	Dissolved Arsenic	Total Arsenic	Dissolved Chromium	Total Chromium	Dissolved Chromium, Hexavalent	Total Chromium, Hexavalent	Dissolved Iron	Total Iron	Dissolved Manganese	Total Manganese	Benzene	Toluene	Ethylbenzene	Total Xylenes	DRO	GRO	Chloride	TDS
		Units	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	ug/l	ug/l	ug/l	ug/l	mg/l	mg/l	mg/l	mg/l
		NMWQCC Standard	0.01	0.01	0.05	0.05	0.05	0.05	1	1	0.2	0.2	5	1,000	700	620			250	1000
Location ID	Sample Date	Sample Type																		
	3/30/2009	N	--	--	--	0.271	--	0.25	--	--	--	--	< 1 U	< 1 U	< 1 U	< 3 U	0.11	< 0.05 U	465	--
	3/31/2009	N	--	0.0257	--	--	--	--	--	986	13	13	--	--	--	--	--	--	--	1,700
	3/8/2010	N	--	< 0.05 U	--	0.309	--	0.295	--	0.137	< 0.05 U	< 0.05 U	< 1 U	< 1 U	< 1 U	< 1 U	0.091	< 0.05 U	473	1,740
	5/22/2012	N	< 0.0100 U	--	0.385	--	--	0.401	< 0.200 U	--	< 0.0200 U	--	< 1.00 U	< 2.00 U	< 1.00 U	< 1.00 U	--	--	620	2,520
	5/15/2013	N	0.0124 J	--	0.00738 J	--	--	< 0.0100 U	< 0.200 U	--	< 0.0200 U	--	< 1.00 U	< 2.00 U	< 1.00 U	< 1.00 U	--	--	326	1,300
	5/21/2014	N	0.0131 J	--	0.403	--	--	0.431	< 0.200 U	--	< 0.0200 U	--	< 1.00 U	< 2.00 U	< 1.00 U	< 1.00 U	--	--	606	2,630
MW004A	5/28/2015	N	< 0.0200 U	--	0.000821 J	--	--	0.00650 J	< 0.200 U	--	0.0103 J	--	< 1.00 U	< 2.00 U	< 1.00 U	< 1.00 U	--	--	260	1,180
	5/19/2016	N	0.022	--	0.455	--	0.447	--	--	--	--	--	--	--	--	--	--	--	559	2,070
	5/5/2017	N	0.0154 J	--	0.489 J	--	0.494	--	< 0.02 U	--	< 0.002 U	--	--	--	--	--	--	--	643	2,420
	9/22/2017	N	0.0154	--	0.463	--	0.448	--	< 0.1 U	--	0.000947 J	--	--	--	--	--	--	--	579	2,640
	4/4/2018	Reg	--	0.0145	--	0.498	--	0.438	< 0.100 U	--	--	0.000681 J	< 2 U	< 2 U	< 2 U	< 2 U	< 1.50 U	< 1.50 U	628	2,110
	9/14/2018	Reg	0.0158	--	0.515	--	0.497	--	--	< 0.100 U	0.000320 J	--	--	--	--	--	--	--	632	2,230
	4/22/1997	N	< 0.10 U	--	< 0.05 U	--	--	--	--	--	--	--	540	310	93	245	--	--	800	2,800
	2/11/2002	N	--	--	< 0.05 U	--	0.14	--	4.3	6.4	0.44	0.4	620	< 40 U	90	140	15	1.79	460	2,390
	2/11/2002	FD	--	--	< 0.05 U	--	< 0.005 U	--	3.8	6.9	0.44	0.37	600	< 20 U	80	130	27	1.83	460	2,270
	6/30/2005	N	--	--	0.03	--	--	--	--	--	--	--	810	< 10 U	70	< 30 U	3.9	2.6	910	--
MW005	1/27/2006	N	--	< 0.02 U	--	0.0202	--	< 0.02 U	--	5.8	0.916	0.916	520	< 5 U	64	< 5 U	2.5	< 0.6 U	1,010	2,830
	7/13/2006	N	--	< 0.02 U	--	0.0344	--	< 0.02 U	--	5.32	0.807	0.807	440	< 1 U	72	7.8	2.3	1.5	894	2,900
	4/19/2007	N	--	< 0.02 U	--	< 0.015 U	--	< 0.02 U	--	9.94	0.837	0.837	810	1.3	64	12	3.2	2.4	1,080	--
	4/17/2008	N	--	< 0.02 U	--	0.0151	--	< 0.2 U	--	10.1	1.88	1.88	4	< 1 U	1.2	< 3 U	2.8	0.23	1,500	4,010
	4/7/2009	N	--	< 0.02 U	--	< 0.015 U	--	< 0.02 U	--	8.04	0.807	0.807	95	< 1 U	11	< 3 U	3.2	0.29	1,160	2,680
	3/16/2010	N	--	< 0.05 U	--	< 0.050 U	--	0.21	--	2.22	1.11	1.11	12.5	< 1 U	6.3	< 1 U	1.68	< 0.05 U	823	3,430
MW005	5/24/2012	N	0.0229	--	< 0.0100 U	--	--	0.0118	< 0.200 U	--	0.0444	--	188	< 2.00 U	142	2.88	--	--	311	1,510
	5/22/2013	N	< 0.0200 U	--	< 0.0100 U	--	--	< 0.100 U	0.692	--	0.0547	--	396	< 2.00 U	222	3.13	--	--	210	1,300
	4/22/1997	N	< 0.10 U	--	< 0.05 U	--	--	--	--	--	--	--	340	280	110	330	--	--	1,500	3,200
	2/11/2002	N	--	--	< 0.05 U	--	< 0.005 U	--	0.2	2.4	0.52	0.53	680	670	110	260	71	3.58	1,400	3,760
MW006	4/23/2007	N	--	0.0264	--	< 0.015 U	--	< 0.02 U	--	29	3.24	3.24	1500	360	100	840	6.3	4.2	2,970	--
	4/17/2008	N	--	0.0254	--	< 0.015 U	--	< 0.20 U	--	12.9	3.84	3.84	36	< 1 U	3.9	3.6	3.1	0.4	2,780	5,660
	4/7/2009	N	--	0.0255	--	< 0.015 U	--	< 0.02 U	--	16.1	2.13	2.13	510	< 5 U	42	150	3.4	1.6	2,310	4,340
	3/16/2010	N	--	< 0.05 U	--	< 0.050 U	--	0.012	--	0.313	1.91	1.91	878	< 1 U	13.2	< 1 U	1.88	0.742	1,250	4,270
	4/22/1997	N	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	550	2,600
	8/19/1997	N	< 0.10 U	--	0.35	--	--	--	--	--	--	--	< 1 U	< 1 U	< 1 U	< 1 U	--	--	--	--
	8/25/1997	N	--	--	0.39	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	1/21/1999	N	< 0.10 U	--	0.31	--	--	--	--	--	--	--	--	--	--	--	--	--	550	2,500
	11/18/1999	N	--	--	0.38	--	--	--	--	--	--	--	--	--	--	--	--	--	520	2,700
	5/24/2001	N	--	< 0.05 U	--	0.45 < 0.05 U	--	0.4 0.02	--	--	--	--	< 2 U	< 2 U	< 2 U	< 2 U	--	--	600	2,980
	1/30/2002	N	--	--	0.11	--	0.086	--	< 0.1 U	0.2	< 0.05 U	< 0.05 U	--	--	--	--	--	--	390	2,370
	9/12/2002	N	--	--	0.3	--	0.21	--	--	--	--	--	--	--	--	--	--	--	710	--
	12/19/2002	N	--	--	--	--	0.053	--	--	--	--	--	--	--	--	--	--	--	450	--
	3/13/2003	N	--	--	--	--	0.059	--	--	--	--	--	--	--	--	--	--	--	410	--
	6/3/2003	N	--	--	--	--	0.005	--	--	--	--	--	--	--	--	--	--	--	390	--
MW007	1/21/2004	N	--	--	0.03	--	0.013	--	--	--	--	--	--	--	--	--	--	--	410	--
	6/23/2004	N	--	--	0.02	--	0.018	--	--	--	--	--	--	--	--	--	--	--	370	--
	1/4/2005	N	--	--	0.03	--	0.021	--	--	--	--	--	--	--	--	--	--	--	290	--
	6/3/2005	N	--	--	0.02	--	--	--	--	--	--	--	--	--	--	--	--	--	310	--
	1/24/2006	N	--	< 0.02 U	--	< 0.015 U	--	< 0.02 U	--	0.287	0.0054	0.0054	< 1 U	< 1 U	< 1 U	< 3 U	< 0.6 U	< 0.6 U	274	2,450
	7/7/2006	N	--	< 0.02 U	--	0.0232	--	< 0.02 U	--	< 0.2 U	< 0.005 U	< 0.005 U	< 1 U	< 1 U	< 1 U	< 3 U	< 0.095 U	< 0.05 U	206	1,890
	4/16/2007	N	--	< 0.02 U	--	0.0152	--	< 0.02 U	--	< 0.2 U	< 0.005 U	< 0.005 U	< 1 U	< 1 U	< 1 U	< 3 U	0.11	< 0.05 U	193	--
	4/3/2008	N	--	< 0.02 U	--	0.036	--	0.034	--	< 0.2 U	< 0.005 U	< 0.005 U	2.7	< 1 U	< 1 U	< 3 U	< 0.096 U	< 0.05 U	185	1,390
	5/22/2012	N	< 0.0100 U	--	0.032	--	--	0.0334	< 0.200 U	--	< 0.0200 U	--	< 1.00 U	< 2.00 U	< 1.00 U	< 1.00 U	--	--	472	2,190
	5/16/2013	N	0.0255	--	0.021	--	--	0.0187	< 0.200 U	--	< 0.0200 U	--	< 1.00 U	< 2.00 U	< 1.00 U	< 1.00 U	--	--	173	1,220
	5/9/2014	N	0.0122 J	--	0.0202	--	--	0.0205	< 0.200 U	--	< 0.0200 U	--	< 1.00 U	< 2.00 U	< 1.00 U	< 1.00 U	--	--	366	1,780
	6/2/2015	N	0.0124 J	--	0.0145	--	--	0.0105	< 0.200 U	--	< 0.0200 U	--	< 1.00 U	< 2.00 U	< 1.00 U	< 1.00 U	--	--	81.6	1,070
	5/19/2016	N	0.00952 J	--	0.0115	--	0.025	--	--	--	--	--	--	--	--	--	--	--	342	2,020
	5/4/2017	N	0.0119	--	0.0105	--	< 0.01 U	--	< 0.02 U	--	< 0.002 U	--	--	--	--	--	--	--	43.2	1,040
	4/22/1997	N	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	260	1,200
	10/22/1997	N	< 0.10 U	--	0.06	--	--	--	--	--	--	--	< 1 U	< 1 U	< 1 U	< 1 U	--	--	--	--
	1/21/1999	N	< 0.10 U	--	0.06	--	--	--	--	--	--	--	--	--	--	--	--	--	190	920
	5/23/2001	N	--	< 0.05 U	--	< 0.05 U	--	0.103	--	--	--	--	< 2 U	< 2 U	< 2 U	< 2 U	--	--	260	1,020
	5/23/2001	FD	--	< 0.05 U	--	0.09	--	0.098	--	--	--	--	< 2 U	< 2 U	< 2 U	< 2 U	--	--	270	1,050
MW007A	1/29/2002	N	--	--	0.19	--	0.09	--	< 0.1 U	< 0.1 U	< 0.05 U	< 0.05 U	--	--	--	--	--	--	350	1,640

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Appendix E
Historical Analytical Data (through 2017)
2021 Annual Groundwater Monitoring Report
Former Eunice North Gas Plant

ARCADIS Design & Consultancy for natural and built assets

Location ID	Sample Date	Sample Type	Chemical Name	Dissolved Arsenic	Total Arsenic	Dissolved Chromium	Total Chromium	Dissolved Chromium, Hexavalent	Total Chromium, Hexavalent	Dissolved Iron	Total Iron	Dissolved Manganese	Total Manganese	Benzene	Toluene	Ethylbenzene	Total Xylenes	DRO	GRO	Chloride	TDS
			Units	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	ug/l	ug/l	ug/l	ug/l	mg/l	mg/l	mg/l	mg/l
			NMWQCC Standard	0.01	0.01	0.05	0.05	0.05	0.05	1	1	0.2	0.2	5	1,000	700	620			250	1000
MW007A	9/17/2002	N		--	--	0.27	--	0.2	--	--	--	--	--	--	--	--	--	--	--	380	--
	12/30/2002	N		--	--	--	--	0.17	--	--	--	--	--	--	--	--	--	--	--	440	--
	3/17/2003	N		--	--	--	--	0.19	--	--	--	--	--	--	--	--	--	--	--	340	--
	6/3/2003	N		--	--	--	--	0.283	--	--	--	--	--	--	--	--	--	--	--	490	--
	1/21/2004	N		--	--	0.24	--	0.14	--	--	--	--	--	--	--	--	--	--	--	340	--
	6/29/2004	N		--	--	0.16	--	0.15	--	--	--	--	--	--	--	--	--	--	--	230	--
	1/10/2005	N		--	--	0.33	--	0.55	--	--	--	--	--	--	--	--	--	--	--	430	--
	6/3/2005	N		--	--	0.25	--	--	--	--	--	--	--	--	--	--	--	--	--	310	--
	1/26/2006	N		--	< 0.02 U	--	0.53	--	0.52	--	< 0.2 U	< 0.005 U	< 0.005 U	< 1 U	< 1 U	< 1 U	< 3 U	< 0.6 U	< 0.6 U	585	2,410
	7/7/2006	N		--	< 0.02 U	--	0.367	--	0.38	--	< 0.2 U	< 0.005 U	< 0.005 U	< 1 U	< 1 U	< 1 U	< 3 U	< 0.095 U	< 0.05 U	409	1,770
	4/16/2007	N		--	< 0.02 U	--	0.641	--	0.69	--	< 0.2 U	< 0.005 U	< 0.005 U	< 1 U	< 1 U	< 1 U	< 3 U	0.1	< 0.05 U	710	--
	4/3/2008	N		--	< 0.02 U	--	0.732	--	0.68	--	< 0.2 U	0.0112	0.0112	9.9	2.1	< 1 U	< 3 U	< 0.096 U	< 0.05 U	689	2,840
	5/22/2012	N		< 0.0100 U	--	0.288	--	--	0.29	< 0.200 U	--	< 0.0200 U	--	< 1.00 UJ	< 2.00 UJ	< 1.00 UJ	< 1.00 UJ	--	--	357 J	1,870
	9/6/2012	N		--	--	--	0.296	--	0.308	< 0.200 U	< 0.200 U	--	--	--	--	--	--	--	--	--	--
	11/19/2012	N		--	--	--	0.305 0.327	--	0.319	< 0.200 U	< 0.200 U < 0.200 U	--	--	--	--	--	--	--	--	--	--
	5/16/2013	N		0.0231	--	0.275	--	--	0.265	< 0.200 U	--	0.00660 J	--	< 1.00 U	< 2.00 U	< 1.00 U	< 1.00 U	--	--	344	1,600
	5/7/2014	N		0.0113 J	--	0.279	--	--	0.261	< 0.200 U	--	< 0.0200 UJ	--	< 1.00 U	< 2.00 U	< 1.00 U	< 1.00 U	--	--	374	1,580
	6/2/2015	N		0.0118 J	--	0.269	--	--	0.261	< 0.200 U	--	< 0.0200 U	--	< 1.00 U	< 2.00 U	< 1.00 U	< 1.00 U	--	--	379	1,830
	5/19/2016	N		0.0144	--	0.796	--	0.678	--	--	--	--	--	--	--	--	--	--	--	567	3,120
	9/21/2016	N		< 0.00336 U	--	0.733	--	0.822	--	< 0.00616 U	--	< 0.000585 U	--	--	--	--	--	--	--	688	3,090
	5/4/2017	N		0.0102	--	0.661	--	0.769	--	< 0.02 U	--	< 0.002 U	--	--	--	--	--	--	--	764	2,950
	9/22/2017	N		0.0116	--	0.729	--	0.65	--	< 0.1 U	--	0.00327	--	--	--	--	--	--	--	662	3,290
	4/4/2018	Reg		--	0.0102	--	0.705	--	0.129	< 0.100 U	--	--	0.000979 J	--	--	--	--	--	--	815	3,060
	9/14/2018	Reg		0.0115	--	0.763	--	0.67	--	--	< 0.100 U	0.000655 J	--	--	--	--	--	--	--	801	3,040
MW008	8/20/1997	N		< 0.10 U	--	5.2	--	--	--	--	--	--	--	< 1 U	< 1 U	< 1 U	< 1 U	--	--	--	--
	9/16/1997	N		--	--	5.4	--	6.46	--	--	--	--	--	--	--	--	--	--	--	--	--
	10/28/1997	N		--	--	4.6	--	3.31	--	--	--	--	--	--	--	--	--	--	--	--	--
	1/22/1999	N		< 0.10 U	--	4.4	--	--	--	--	--	--	--	--	--	--	--	--	--	960	3,800
	11/18/1999	N		--	--	6.1	--	--	--	--	--	--	--	--	--	--	--	--	--	1,100	4,500
	5/31/2001	N		--	< 0.05 U	--	5.66	--	9	--	--	--	--	< 2 U	< 2 U	< 2 U	< 2 U	--	--	1,400	5,090
	8/29/2001	N		--	--	0.52 0.44	0.68 0.79	< 0.5 U < 0.5 U	0.8 0.6	< 0.1 U	< 0.1 U	--	--	--	--	--	--	--	--	--	--
	9/27/2001	N		--	--	1.75	--	1.8	--	--	--	--	--	--	--	--	--	--	--	--	--
	2/4/2002	N		--	--	3.54	--	2.8	--	< 0.1 U	0.2	< 0.05 U	< 0.05 U	--	--	--	--	--	--	970	3,780
	9/18/2002	N		--	--	4.99	--	3.1	--	--	--	--	--	< 2 U	< 2 U	< 2 U	< 2 U	< 0.25 U	< 0.05 U	1,250	--
	1/6/2003	N		--	--	--	--	2.3	--	--	--	--	--	--	--	--	--	--	--	970	--
	3/26/2003	N		--	--	--	--	2.8	--	--	--	--	--	--	--	--	--	--	--	1,400	--
	6/5/2003	N		--	--	--	--	4	--	--	--	--	--	--	--	--	--	--	--	1,300	--
	6/9/2003	N		--	< 0.05 U	5.16	5.22	7.07	--	< 0.1 U	< 0.1 U	< 0.05 U	< 0.05 U	--	--	--	--	--	--	1,300	--
	6/9/2003	FD		--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	1,340	--
	6/30/2003	N		--	< 0.05 U	3.24	3.37	2.71	--	< 0.1 U	< 0.1 U	< 0.05 U	< 0.05 U	--	--	--	--	--	--	1,020	--
	7/9/2003	N		--	< 0.05 U	4.13	4.02	3.6	--	< 0.1 U	< 0.1 U	< 0.05 U	< 0.05 U	--	--	--	--	--	--	1,200	--
	7/15/2003	N		--	< 0.05 U	4.14	3.85	< 5 U	--	< 0.1 U	< 0.1 U	< 0.05 U	< 0.05 U	--	--	--	--	--	--	1,110	--
	7/28/2003	N		--	< 0.02 U	2.13	2.1	3.1	--	< 0.05 U	< 0.1 U	< 0.02 U	< 0.05 U	--	--	--	--	--	--	1,100	--
	8/21/2003	N		--	< 0.05 U	4.52	4.67	4.1	--	< 0.1 U	< 0.1 U	< 0.05 U	< 0.05 U	--	--	--	--	--	--	1,400	--
	9/29/2003	N		--	< 0.05 U	4.66	4.9	2	--	< 0.1 U	< 0.1 U	< 0.05 U	< 0.05 U	--	--	--	--	--	--	1,200	--
	10/27/2003	N		--	< 0.05 U	5.21	5.55	2.8	--	< 0.1 U	0.1	< 0.05 U	< 0.05 U	--	--	--	--	--	--	1,300	--
	12/4/2003	N		--	< 0.05 U	4.7	4.79	2.7	--	< 0.1 U	< 0.1 U	< 0.05 U	< 0.05 U	--	--	--	--	--	--	1,090	--
	1/5/2004	N		--	< 0.05 U	3.55	3.34	1	--	< 0.1 U	0.2	< 0.05 U	< 0.05 U	--	--	--	--	--	--	950	--
	3/1/2004	N		--	< 0.05 U	3.16	3.81	2.3	--	< 0.1 U	0.8	< 0.05 U	< 0.05 U	--	--	--	--	--	--	1,020	--
	3/31/2004	N		--	< 0.01 U	3.11	3.31	2.6	--	< 0.1 U	0.6	< 0.05 U	< 0.05 U	--	--	--	--	--	--	1,070	3,960
	5/4/2004	N		--	< 0.01 U	3.9	3.67	1.1	--	< 0.1 U	0.1	< 0.05 U	< 0.05 U	--	--	--	--	--	--	1,300	--
	6/7/2004	N		--	< 0.01 U	4.13	4.35	4	--	0.2	0.2	< 0.05 U	< 0.05 U	--	--	--	--	--	--	1,220	--
	7/7/2004	N		--	< 0.01 U	4.17	3.33	2.2	--	< 0.25 U	0.94	< 0.01 U	0.02	--	--	--	--	--	--	1,200	--
	8/10/2004	N		--	< 0.01 U	2.28	2.42	1.6	--	< 0.1 U	0.1	< 0.05 U	< 0.05 U	--	--	--	--	--	--	1,050	--
	9/16/2004	N		--	< 0.01 U	4.44	3.92	1.3	--	< 0.1 U	< 0.1 U	< 0.05 U	< 0.05 U	--	--	--	--	--	--	1,290	--
	10/4/2004	N		--	< 0.01 U	2.78	3.08	0.49	--	< 0.1 U	< 0.1 U	< 0.05 U	< 0.05 U	--	--	--	--	--	--	920	--
	11/8/2004	N		--	< 0.01 U	3.43	3.04	1.4	--	< 0.4 U	< 0.4 U	< 0.01 U	< 0.01 U	--	--	--	--	--	--	1,050	4,230
	12/16/2004	N		--	< 0.01 U	2.56	4.27	1.8	--	< 0.4 U	< 0.4 U	< 0.01 U	< 0.01 U	--	--	--	--	--	--	1,050	4,210
	1/13/2005	N		--	< 0.01 U	2.19	2.13	1.9	--	< 0.4 U	< 0.4 U	0.02	0.02	--	--	--	--	--	--	890	3,610
	2/8/2005	N		--	< 0.01 U	2.56	2.32	2	--	< 0.4 U	< 0.4 U	0.05	0.06	--	--	--	--	--	--	1,070	4,370

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Appendix E
Historical Analytical Data (through 2017)
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Former Eunice North Gas Plant

ARCADIS Design & Consultancy for natural and built assets

Location ID	Sample Date	Sample Type	Chemical Name	Dissolved Arsenic	Total Arsenic	Dissolved Chromium	Total Chromium	Dissolved Chromium, Hexavalent	Total Chromium, Hexavalent	Dissolved Iron	Total Iron	Dissolved Manganese	Total Manganese	Benzene	Toluene	Ethylbenzene	Total Xylenes	DRO	GRO	Chloride	TDS
			Units	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	ug/l	ug/l	ug/l	ug/l	mg/l	mg/l	mg/l	mg/l
			NMWQCC Standard	0.01	0.01	0.05	0.05	0.05	0.05	1	1	0.2	0.2	5	1,000	700	620			250	1000
MW008	3/8/2005	N		--	< 0.01 U	0.28	0.57	< 0.005 U	--	1.98	3.84	0.31	0.33	--	--	--	--	--	--	600	3,200
	4/6/2005	N		--	< 0.01 U	0.12	0.42	< 0.005 U	--	13.4	13.4	0.85	0.94	--	--	--	--	--	--	500	3,180
	5/11/2005	N		--	< 0.01 U	0.12	0.13	< 0.005 U	--	20.1	23.9	1.96	1.73	--	--	--	--	--	--	610	3,620
	6/7/2005	N		--	< 0.01 U	0.04	0.09	< 0.005 U	--	25.8	20.4	5.31	4.02	--	--	--	--	--	--	820	4,140
	7/6/2005	N		--	< 0.01 U	0.04	0.05	< 0.01 U	--	25.9	16	3.67	4.18	--	--	--	--	--	--	920	4,040
	8/2/2005	N		--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	2/9/2006	N		--	< 0.02 U	--	0.0515	--	< 0.08 U	--	69	4.12	4.12	< 1 U	< 1 U	< 1 U	< 3 U	< 0.6 U	< 1.2 U	702	3,740
	7/18/2006	N		--	0.0202	--	0.0221	--	< 0.02 U	--	60.1	3.79	3.79	< 1 U	< 1 U	< 1 U	< 3 U	0.33	< 0.05 U	802	3,610
	4/3/2007	N		--	0.0263	--	0.0391	--	< 0.02 U	--	59.7	1.26	1.26	< 1 U	< 1 U	< 1 U	< 3 U	0.48	0.12	701	--
	4/15/2008	N		--	< 0.02 U	--	0.0162	--	< 0.50 U	--	36.3	0.508	0.508	< 5 U	< 5 U	< 5 U	< 15 U	0.41	< 0.25 U	844	3,140
	3/30/2009	N		--	0.0363	--	< 0.015 U	--	< 0.02 U	--	52.9	1.36	1.36	< 1 U	< 1 U	< 1 U	< 3 U	0.18	< 0.05 U	799	3,730
	3/10/2010	N		--	< 0.05 U	--	< 0.05 U	--	< 0.10 U	--	4.56	1.51	1.51	< 1 U	< 1 U	< 1 U	< 1 U	0.18	< 0.05 U	824	4,030
	5/25/2012	N		< 0.0100 U	--	< 0.0100 U	--	--	< 0.0100 U	0.263	--	1.22	--	< 1.00 U	< 2.00 U	< 1.00 U	< 1.00 U	--	--	983	4,280
	5/16/2013	N		< 0.0200 U	--	< 0.0100 U	--	--	< 0.0100 U	0.0712 J	--	0.871	--	< 1.00 U	< 2.00 U	< 1.00 U	< 1.00 U	--	--	839	3,760
	5/7/2014	N		< 0.0200 U	--	< 0.0100 UJ	--	--	< 0.0500 U	< 0.200 U	--	2.15	--	< 1.00 U	< 2.00 U	< 1.00 U	< 1.00 U	--	--	924	4,000
	6/3/2015	N		< 0.0200 U	--	0.00323 J	--	--	< 0.0100 U	< 0.200 UJ	--	1.71	--	< 1.00 U	< 2.00 U	< 1.00 U	< 1.00 U	--	--	943	3,930
	5/20/2016	N		0.0093 J	--	< 0.00136 U	--	< 0.0548 U	--	--	--	--	--	--	--	--	--	--	--	676	3,080
	5/4/2017	N		0.0191	--	0.00575	--	< 0.01 U	--	4.61	--	0.583	--	--	--	--	--	--	--	824	3,420
MW008A	10/28/1997	N		< 0.10 U	--	2.3	--	--	--	--	--	--	--	< 1 U	< 1 U	< 1 U	< 1 U	--	--	13	3,700
	1/22/1999	N		< 0.10 U	--	2.9	--	--	--	--	--	--	--	--	--	--	--	--	--	1,000	3,200
	5/29/2001	N		--	< 0.05 U	--	5.63	--	< 0.005 U	--	--	--	--	< 2 U	< 2 U	< 2 U	< 2 U	--	--	1,100	4,670
	8/29/2001	N		--	--	5.23 5.32	5.01 4.89	4.6 4	4 4.2	< 0.1 U	< 0.1 U	--	--	--	--	--	--	--	--	--	--
	2/4/2002	N		--	--	6.57	--	4.8	--	< 0.1 U	< 0.1 U	< 0.05 U	< 0.05 U	--	--	--	--	--	--	1,400	4,870
	9/18/2002	N		--	--	6.1	--	4	--	--	--	--	--	--	--	--	--	--	--	1,200	--
	9/18/2002	FD		--	--	6.29	--	3.7	--	--	--	--	--	--	--	--	--	--	--	1,150	--
	1/6/2003	N		--	--	--	--	4	--	--	--	--	--	--	--	--	--	--	--	1,220	--
	1/6/2003	FD		--	--	--	--	3.7	--	--	--	--	--	--	--	--	--	--	--	1,210	--
	3/26/2003	N		--	--	--	--	3.7	--	--	--	--	--	--	--	--	--	--	--	1,230	--
	3/26/2003	FD		--	--	--	--	3.2	--	--	--	--	--	--	--	--	--	--	--	1,230	--
	6/5/2003	N		--	--	--	--	4.23	--	--	--	--	--	--	--	--	--	--	--	1,200	--
	6/5/2003	FD		--	--	--	--	4.63	--	--	--	--	--	--	--	--	--	--	--	1,300	--
	6/9/2003	N		--	< 0.05 U	5.6	5.47	7.8	--	< 0.1 U	< 0.1 U	< 0.05 U	< 0.05 U	--	--	--	--	--	--	1,200	--
	6/9/2003	FD		--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	1,240	--
	6/30/2003	N		--	< 0.05 U	5.17	5.21	3.6	--	< 0.1 U	< 0.1 U	< 0.05 U	< 0.05 U	--	--	--	--	--	--	1,300	--
	7/9/2003	N		--	< 0.05 U	5.22	2.01	3.88	--	< 0.1 U	< 1 U	< 0.05 U	< 0.05 U	--	--	--	--	--	--	1,100	--
	7/15/2003	N		--	< 0.05 U	5.28	4.95	< 5 U	--	< 0.1 U	< 0.1 U	< 0.05 U	< 0.05 U	--	--	--	--	--	--	1,220	--
	7/29/2003	N		--	< 0.05 U	4.38	4.52	3.1	--	< 0.1 U	< 0.1 U	< 0.05 U	< 0.05 U	--	--	--	--	--	--	1,240	--
	8/21/2003	N		--	< 0.05 U	3.24	3.86	0.027	--	< 0.1 U	< 0.1 U	< 0.05 U	< 0.05 U	--	--	--	--	--	--	1,220	--
	9/29/2003	N		--	< 0.05 U	2.87	3	1.7	--	< 0.1 U	< 0.1 U	< 0.05 U	< 0.05 U	--	--	--	--	--	--	1,100	--
	10/27/2003	N		--	< 0.05 U	2.99	3.16	0.9	--	1.4	< 0.1 U	< 0.05 U	< 0.05 U	--	--	--	--	--	--	1,100	--
	12/4/2003	N		--	< 0.05 U	3.19	3.18	2	--	< 0.1 U	< 0.1 U	< 0.05 U	< 0.05 U	--	--	--	--	--	--	1,030	--
	1/5/2004	N		--	< 0.05 U	3.12	3.33	1.8	--	< 0.1 U	< 0.1 U	< 0.05 U	< 0.05 U	--	--	--	--	--	--	1,050	--
	3/1/2004	N		--	< 0.05 U	3.77	3.18	1.7	--	< 0.1 U	< 0.1 U	< 0.05 U	< 0.05 U	--	--	--	--	--	--	1,110	--
	3/31/2004	N		--	< 0.01 U	3.85	3.66	3	--	< 0.1 U	0.2	< 0.05 U	< 0.05 U	--	--	--	--	--	--	1,100	4,440
	5/4/2004	N		--	< 0.01 U	3.38	3.73	2.9	--	< 0.1 U	0.3	< 0.05 U	< 0.05 U	--	--	--	--	--	--	1,250	--
	6/7/2004	N		--	< 0.01 U	3.82	3.93	4	--	< 0.1 U	3.4	0.06	0.11	--	--	--	--	--	--	1,000	--
	7/7/2004	N		--	< 0.01 U	7.74	4.08	2	--	< 0.25 U	1.01	0.12	0.08	--	--	--	--	--	--	1,100	--
	8/10/2004	N		--	< 0.01 U	3.83	3.83	2.6	--	< 0.1 U	0.1	< 0.05 U	< 0.05 U	--	--	--	--	--	--	1,120	--
	9/16/2004	N		--	< 0.01 U	3.84	3.83	1.6	--	< 0.1 U	0.1	0.06	0.06	--	--	--	--	--	--	1,050	--
	10/4/2004	N		--	< 0.01 U	3.75	3.75	1.3	--	< 0.1 U	0.1	0.06	0.07	--	--	--	--	--	--	1,040	--
	11/8/2004	N		--	< 0.01 U	3.75	3.75	0.6	--	< 0.4 U	< 0.4 U	0.09	0.09	--	--	--	--	--	--	1,070	4,730
	12/16/2004	N		--	< 0.01 U	3.56	3.51	1.9	--	< 0.4 U	< 0.4 U	0.13	0.13	--	--	--	--	--	--	1,100	4,830
	1/6/2005	N		--	< 0.01 U	2.83	3.31	4.6	--	< 0.4 U	0.61	0.18	0.22	--	--	--	--	--	--	1,110	4,520
	2/7/2005	N		--	< 0.01 U	2.66	2.77	2.2	--	< 0.4 U	< 0.4 U	0.6	0.59	--	--	--	--	--	--	1,090	4,830
	3/8/2005	N		--	< 0.01 U	1.73	1.95	1.4	--	< 0.4 U	0.92	0.95	1.13	--	--	--	--	--	--	1,040	4,570
	4/6/2005	N		--	< 0.01 U	0.182	1.49	< 0.005 U	--	3.23	3.66	1.79	1.91	--	--	--	--	--	--	1,040	4,510
	5/10/2005	N		--	< 0.01 U	0.1	0.42	< 0.01 U	--	< 0.4 U	2.13	2.25	2.21	--	--	--	--	--	--	1,040	4,450
	6/7/2005	N		--	< 0.01 U	0.09	0.21	< 0.05 U	--	1.23	1.52	2.14	2.24	--	--	--	--	--	--	1,060	4,320
	7/6/2005	N		--	< 0.02 U	0.11	0.13	< 0.01 U	--	< 0.8 U	22.3	1.71	1.75	--	--	--	--	--	--	1,330	4,900
	8/2/2005	N		--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	2/9/2006	N		--	0.0329	--	0.205	--	< 0.08 U	--	29.5	2.36	2.36	< 25 U	< 25 U	< 25 U	< 75 U	< 1.2 U	< 6 U	996	4,190

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			Chemical Name	Dissolved Arsenic	Total Arsenic	Dissolved Chromium	Total Chromium	Dissolved Chromium, Hexavalent	Total Chromium, Hexavalent	Dissolved Iron	Total Iron	Dissolved Manganese	Total Manganese	Benzene	Toluene	Ethylbenzene	Total Xylenes	DRO	GRO	Chloride	TDS
			Units	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	ug/l	ug/l	ug/l	ug/l	mg/l	mg/l	mg/l	mg/l
			NMWQCC Standard	0.01	0.01	0.05	0.05	0.05	0.05	1	1	0.2	0.2	5	1,000	700	620			250	1000
Location ID	Sample Date	Sample Type																			
	7/18/2006	N		--	0.0236	--	0.151	--	< 0.02 U	--	11.5	1.09	1.09	< 5 U	< 5 U	< 5 U	< 15 U	6.5	0.6	1,020	4,580
	4/3/2007	N		--	0.0753	--	0.204	--	< 0.2 U	--	70.6	1.49	1.49	< 5 U	< 1 U	< 1 U	< 3 U	20	2.2	1,010	--
	4/15/2008	N		--	0.0981	--	0.18	--	< 1 U	--	113	1.54	1.54	< 25 U	< 25 U	< 25 U	< 75 U	56	2.4	1,030	6,460
	3/26/2009	N		--	0.106	--	0.149	--	< 0.2 U	--	155	1.84	1.84	< 5 U	< 5 U	< 5 U	< 15 U	56	1.2	1,130	7,330
	3/10/2010	N		--	< 0.25 U	--	< 0.250 U	--	0.134	--	0.755	1.25	1.25	< 1 U	< 1 U	< 1 U	< 1 U	5.93	0.79	658	6,880
	5/25/2012	N		0.105	--	0.0721	--	--	0.633	4.42	--	0.458	--	< 1.00 U	< 2.00 U	< 1.00 U	< 1.00 U	--	--	912	5,880
	5/16/2013	N		0.0802	--	0.0863	--	--	0.0141	4.62	--	0.156	--	< 1.00 U	< 2.00 U	< 1.00 U	< 1.00 U	--	--	793	4,850
	5/8/2014	N		0.0686	--	0.0851	--	--	< 0.0500 U	2.53	--	0.0321 J	--	< 1.00 U	< 2.00 U	< 1.00 U	< 1.00 U	--	--	808	4,060

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		Chemical Name	Dissolved Arsenic	Total Arsenic	Dissolved Chromium	Total Chromium	Dissolved Chromium, Hexavalent	Total Chromium, Hexavalent	Dissolved Iron	Total Iron	Dissolved Manganese	Total Manganese	Benzene	Toluene	Ethylbenzene	Total Xylenes	DRO	GRO	Chloride	TDS
		Units	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	ug/l	ug/l	ug/l	ug/l	mg/l	mg/l	mg/l	mg/l
		NMWQCC Standard	0.01	0.01	0.05	0.05	0.05	0.05	1	1	0.2	0.2	5	1,000	700	620			250	1000
Location ID	Sample Date	Sample Type																		
MW008A	6/3/2015	N	0.037	--	0.0728	--	--	< 0.0100 U	1.05 J	--	0.0653	--	< 1.00 U	< 2.00 U	< 1.00 U	< 1.00 U	--	--	894	3,820
	5/20/2016	N	0.037	--	0.0655	--	< 0.00548 U	--	--	--	--	--	--	--	--	--	--	--	585	2,690
	5/4/2017	N	0.0618	--	0.0767	--	< 0.01 U	--	17	--	0.176	--	--	--	--	--	--	--	771	2,740
MW008M	10/1/2001	N	--	--	4.65	--	--	2.8	< 0.1 U	--	--	--	< 2 U	< 2 U	< 2 U	< 2 U	< 0.25 U	< 0.05 U	1,500	4,670
	2/4/2002	N	--	--	5.69	--	4.2	--	< 0.1 U	< 0.1 U	< 0.05 U	< 0.05 U	--	--	--	--	--	--	1,600	5,190
	2/4/2002	FD	--	--	3.51	--	2.7	--	< 0.1 U	< 1 U	< 0.05 U	< 0.05 U	--	--	--	--	--	--	910	3,860
	6/9/2003	N	--	< 0.05 U	2.57	5.43	7.43	--	< 0.1 U	< 0.1 U	< 0.05 U	< 0.05 U	--	--	--	--	--	--	1,500	--
	6/9/2003	FD	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	1,490	--
	6/30/2003	N	--	< 0.05 U	5.29	5.24	4.07	--	< 0.1 U	< 0.1 U	< 0.05 U	< 0.05 U	--	--	--	--	--	--	1,400	--
	7/9/2003	N	--	< 0.05 U	5.37	4.29	4.36	--	< 0.1 U	< 0.1 U	< 0.05 U	< 0.05 U	--	--	--	--	--	--	1,300	--
	7/15/2003	N	--	< 0.05 U	5.52	5.78	5.2	--	< 0.1 U	< 1 U	< 0.05 U	< 0.05 U	--	--	--	--	--	--	1,400	--
	7/29/2003	N	--	< 0.05 U	5.72	5.33	3	--	< 0.1 U	< 0.1 U	< 0.05 U	< 0.05 U	--	--	--	--	--	--	1,400	--
	8/21/2003	N	--	< 0.05 U	5.36	5.32	4.5	--	< 0.1 U	< 0.1 U	< 0.05 U	< 0.05 U	--	--	--	--	--	--	1,400	--
	9/29/2003	N	--	< 0.05 U	5.36	5.7	2.3	--	< 0.1 U	< 0.1 U	< 0.05 U	< 0.05 U	--	--	--	--	--	--	1,400	--
	10/27/2003	N	--	< 0.05 U	5.33	5.49	4	--	< 0.1 U	< 0.1 U	< 0.05 U	< 0.05 U	--	--	--	--	--	--	1,400	--
	12/4/2003	N	--	< 0.05 U	5.92	5.77	2.6	--	< 0.1 U	< 0.1 U	< 0.05 U	< 0.05 U	--	--	--	--	--	--	1,500	--
	1/6/2004	N	--	< 0.05 U	5.56	5.45	1.2	--	< 0.1 U	< 0.1 U	< 0.05 U	< 0.05 U	--	--	--	--	--	--	1,600	--
	3/1/2004	N	--	< 0.05 U	5.22	5.29	2.7	--	< 0.1 U	0.2	0.12	< 0.05 U	--	--	--	--	--	--	1,500	--
	4/1/2004	N	--	< 0.01 U	4.88	3.18	2.7	--	< 0.1 U	1.4	< 0.05 U	0.2	--	--	--	--	--	--	1,500	5,010
	5/4/2004	N	--	< 0.01 U	5.01	4.91	3.7	--	< 0.1 U	0.5	< 0.05 U	< 0.05 U	--	--	--	--	--	--	1,500	--
	6/7/2004	N	--	0.01	1.81	2.4	1.4	--	< 0.25 U	0.45	0.85	0.91	--	--	--	--	--	--	1,370	--
	7/7/2004	N	--	0.04	0.18	0.44	< 0.005 U	--	5.23	6.71	4.84	5.05	--	--	--	--	--	--	1,400	--
	8/10/2004	N	--	0.04	1.99	1.78	< 0.005 U	--	1.1	0.4	3.57	3.58	--	--	--	--	--	--	1,400	--
	9/16/2004	N	--	< 0.01 U	0.19	0.75	< 0.005 U	--	1	2.4	< 0.05 U	< 0.05 U	--	--	--	--	--	--	1,370	--
	10/4/2004	N	--	< 0.01 U	0.18	0.59	0.005	--	1.8	7.3	< 0.05 U	< 0.05 U	--	--	--	--	--	--	1,330	--
	11/9/2004	N	--	< 0.01 U	0.19	0.5	< 0.05 U	--	2.78	19.7	< 0.01 U	< 0.01 U	--	--	--	--	--	--	1,380	6,280
	12/16/2004	N	--	< 0.01 U	0.16	0.22	0.02	--	2.94	11.5	< 0.01 U	< 0.01 U	--	--	--	--	--	--	1,400	6,080
	1/17/2005	N	--	< 0.01 U	0.15	0.17	< 0.005 U	--	19.5	24.2	< 0.01 U	< 0.01 U	--	--	--	--	--	--	1,460	6,350
	2/8/2005	N	--	< 0.01 U	0.13	0.13	< 0.005 U	--	22.8	26.7	< 0.01 U	< 0.01 U	--	--	--	--	--	--	1,470	5,890
	3/8/2005	N	--	0.01	0.12	0.14	0.06	--	13.2	19.6	3.66	3.57	--	--	--	--	--	--	1,480	5,410
	4/6/2005	N	--	0.01	0.1	0.13	< 0.005 U	--	9.59	11.5	1.46	1.53	--	--	--	--	--	--	1,320	5,050
	5/11/2005	N	--	< 0.01 U	0.1	0.1	< 0.01 U	--	< 0.4 U	8.69	1.71	1.56	--	--	--	--	--	--	1,380	5,070
	6/7/2005	N	--	< 0.01 U	0.09	0.1	< 0.01 U	--	0.45	6.64	1.53	1.57	--	--	--	--	--	--	1,370	5,270
	7/6/2005	N	--	< 0.01 U	0.1	0.37	< 0.01 U	--	--	2.54	2.12	2.14	--	--	--	--	--	--	1,050	4,150
	8/2/2005	N	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	2/10/2006	N	--	0.0244	--	0.215	--	< 0.08 U	--	17.4	4.99	4.99	< 10 U	< 10 U	< 10 U	< 30 U	< 12 U	< 66 U	1,300	7,160
	2/10/2006	FD	--	0.0229	--	0.219	--	< 0.08 U	--	17.6	5.2	5.2	< 10 U	< 10 U	< 10 U	< 30 U	< 12 U	< 64 U	1,330	7,400
	7/19/2006	N	--	< 0.02 U	--	0.165	--	< 0.02 U	--	5.26	3.79	3.79	< 5 U	< 5 U	< 5 U	< 15 U	14	1	1,290	5,980
	4/13/2007	N	--	0.0261	--	0.163	--	< 0.02 U	--	55.8	0.869	0.869	< 2 U	< 1 U	< 1 U	< 3 U	18	1.3	1,200	--
	4/16/2008	N	--	0.0322	--	0.153	--	< 1 U	--	31	0.457	0.457	< 2 U	< 1 U	< 1 U	< 3 U	10	0.64	1,280	5,730
	3/31/2009	N	--	0.0458	--	0.145	--	< 0.2 U	--	22.8	0.318	0.318	< 5 U	< 5 U	< 5 U	< 15 U	2.5	< 0.25 U	1,230	5,300
	3/10/2010	N	--	< 0.25 U	--	< 0.25 U	--	0.16	--	3.99	< 0.25 U	< 0.25 U	< 1 U	< 1 U	< 1 U	< 1 U	1	< 0.05 U	934	3,940
	5/25/2012	N	< 0.0100 U	--	0.0299	--	--	0.0389	17.4	--	2.2	--	< 1.00 U	< 2.00 U	< 1.00 U	< 1.00 U	--	--	1,370	5,220
	5/20/2013	N	< 0.0200 U	--	0.00812 J	--	--	< 0.100 U	14.6	--	3.01	--	< 1.00 U	< 2.00 U	< 1.00 U	< 1.00 U	--	--	1,370	5,100
	5/6/2014	N	< 0.0200 U	--	< 0.0100 U	--	--	< 0.0500 U	69.5	--	3.33	--	< 1.00 U	< 2.00 U	< 1.00 U	< 1.00 U	--	--	1,330	5,390
	5/6/2014	FD	< 0.0200 U	--	< 0.0100 U	--	--	< 0.0500 U	82.5	--	3.3	--	< 1.00 U	< 2.00 U	< 1.00 U	< 1.00 U	--	--	1,330	5,390
	6/3/2015	N	< 0.0200 U	--	0.00820 J	--	--	< 0.0500 U	73.3 J	--	3.25	--	< 1.00 U	< 2.00 U	< 1.00 U	< 1.00 U	--	--	1,630	5,680
	5/20/2016	N	0.00587 J	--	0.00633 J	--	< 0.00548 U	--	--	--	--	--	--	--	--	--	--	--	1,010	5,070
	5/4/2017	N	0.00325	--	0.0101	--	< 0.01 U	--	59.9	--	3.11	--	--	--	--	--	--	--	1,390	4,730
	9/22/2017	N	0.0032	--	0.00823	--	< 0.01 U	--	56.5	--	3.23	--	--	--	--	--	--	--	1,250	4,930
	4/4/2018	Reg	--	0.00803	--	0.0219	--	< 0.0100 U	107	--	--	2.96	--	--	--	--	--	--	1,470	4,580
	4/4/2018	FD	--	0.00222	--	0.00842	--	< 0.0100 U	91.3	--	--	3.23	--	--	--	--	--	--	1,490	3,820
	9/14/2018	Reg	0.00312 J	--	0.00775	--	< 0.0100 U	--	--	40.4	3.08	--	--	--	--	--	--	--	1,350	4,600
MW009	8/20/1997	N	< 0.10 U	--	0.26	--	--	--	--	--	--	--	2	< 1 U	< 1 U	< 1 U	--	--	--	--
	9/16/1997	N	--	--	0.16	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	1/21/1999	N	< 0.10 U	--	0.06	--	--	--	--	--	--	--	--	--	--	--	--	--	410	2,000
	11/18/1999	N	--	--	0.33	--	--	--	--	--	--	--	--	--	--	--	--	--	410	2,000
	5/31/2001	N	--	< 0.05 U	--	0.08	--	0.095	--	--	--	--	< 2 U	< 2 U	< 2 U	< 2 U	--	--	560	2,760
	1/29/2002	N	--	--	0.1	--	0.1	--	< 0.1 U	< 0.1 U	< 0.05 U	< 0.05 U	--	--	--	--	--	--	630	2,710
	9/17/2002	N	--	--	0.22	--	0.16	--	--	--	--	--	< 2 U	< 2 U	< 2 U	< 2 U	< 0.25 U	< 0.05 U	530	--
	12/19/2002	N	--	--	--	--	0.097	--	--	--	--	--	< 2 U	< 2 U	< 2 U	< 2 U	0.63	< 0.05 U	550	--
	3/13/2003	N	--	--	--	--	0.12	--	--	--	--	--	< 2 U	< 2 U	< 2 U	< 2 U	< 0.25 U	< 0.05 U	410	--

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Appendix E
Historical Analytical Data (through 2017)
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ARCADIS Design & Consultancy for natural and built assets

			Chemical Name	Dissolved Arsenic	Total Arsenic	Dissolved Chromium	Total Chromium	Dissolved Chromium, Hexavalent	Total Chromium, Hexavalent	Dissolved Iron	Total Iron	Dissolved Manganese	Total Manganese	Benzene	Toluene	Ethylbenzene	Total Xylenes	DRO	GRO	Chloride	TDS
			Units	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	ug/l	ug/l	ug/l	ug/l	mg/l	mg/l	mg/l	mg/l
			NMWQCC Standard	0.01	0.01	0.05	0.05	0.05	0.05	1	1	0.2	0.2	5	1,000	700	620			250	1000
Location ID	Sample Date	Sample Type																			
	6/4/2003	N		--	--	--	--	0.092	--	--	--	--	--	< 2 U	< 2 U	< 2 U	< 2 U	0.3	< 0.05 U	500	--
	1/20/2004	N		--	--	0.04	--	0.03	--	--	--	--	--	< 2 U	< 2 U	< 2 U	< 6 U	< 0.26 U	< 0.05 U	280	--
	6/24/2004	N		--	--	0.03	--	0.027	--	--	--	--	--	< 2 U	< 2 U	< 2 U	< 6 U	< 0.25 U	< 0.05 U	240	--
	1/4/2005	N		--	--	0.19	--	0.17	--	--	--	--	--	< 2 U	< 2 U	< 2 U	< 6 U	< 0.25 U	< 0.05 U	340	--
	6/6/2005	N		--	--	0.12	--	--	--	--	--	--	--	< 2 U	< 2 U	< 2 U	< 6 U	< 0.25 U	< 0.05 U	300	--
	2/2/2006	N		--	< 0.02 U	--	0.0728	--	0.062	--	0.54	0.007	0.007	< 1 U	< 1 U	< 1 U	< 3 U	< 0.6 U	< 0.6 U	253	1,510
	7/13/2006	N		--	< 0.02 U	--	< 0.015 U	--	< 0.02 U	--	< 0.2 U	< 0.005 U	< 0.005 U	< 1 U	< 1 U	< 1 U	< 3 U	< 0.094 U	< 0.05 U	255	1,460
	4/15/2008	N		--	< 0.02 U	--	0.0198	--	< 0.02 U	--	0.591	0.0085	0.0085	< 1 U	< 1 U	< 1 U	< 3 U	< 0.1 U	< 0.05 U	384	1,990
	3/26/2009	N		--	< 0.02 U	--	0.0219	--	< 0.02 U	--	< 0.2 U	< 0.005 U	< 0.005 U	< 1 U	< 1 U	< 1 U	< 3 U	< 0.098 U	< 0.05 U	584	2,100
MW009	3/8/2010	N		--	< 0.05 U	--	< 0.05 U	--	0.045	--	< 0.03 U	< 0.050 U	< 0.050 U	< 1 U	< 1 U	< 1 U	< 1 U	< 0.05 U	< 0.05 U	261	1,750
	5/22/2012	N		< 0.0100 U	--	0.0249	--	--	0.0143	< 0.200 U	--	< 0.0200 U	--	< 1.00 U	< 2.00 U	< 1.00 U	< 1.00 U	--	--	224	1,510
	5/15/2013	N		< 0.0200 U	--	0.0196	--	--	0.0136	< 0.200 U	--	< 0.0200 U	--	< 1.00 U	< 2.00 U	< 1.00 U	< 1.00 U	--	--	132	1,180
	5/6/2014	N		< 0.0200 U	--	0.031	--	--	0.0141	< 0.200 U	--	< 0.0200 U	--	< 1.00 U	< 2.00 U	< 1.00 U	< 1.00 U	--	--	125	1,540
	6/1/2015	N		0.00769 J	--	0.0203	--	--	0.0148	< 0.200 U	--	< 0.0200 U	--	< 1.00 U	< 2.00 U	< 1.00 U	< 1.00 U	--	--	106	1,080
	5/19/2016	N		0.00943 J	--	0.0207	--	0.0129	--	--	--	--	--	--	--	--	--	--	--	126	1,340
	5/4/2017	N		0.00655	--	0.0151	--	0.0115	--	< 0.02 U	--	0.0111	--	--	--	--	--	--	--	120	1,010
	10/23/1997	N		< 0.10 U	--	1.5	--	--	--	--	--	--	--	< 1 U	< 1 U	< 1 U	< 1 U	--	--	910	3,600
	1/21/1999	N		< 0.10 U	--	1	--	--	--	--	--	--	--	--	--	--	--	--	--	780	2,930
	5/24/2001	N		--	< 0.05 U	--	< 0.05 U	--	1.4	--	--	--	--	< 2 U	< 2 U	< 2 U	< 2 U	--	--	700	3,260
	9/27/2001	N		--	--	1.4	--	1.3	--	--	--	--	--	--	--	--	--	--	--	--	--
	1/28/2002	N		--	--	1.36	--	1.2	--	< 0.1 U	< 0.1 U	< 0.05 U	< 0.05 U	--	--	--	--	--	--	1,190	3,470
	9/18/2002	N		--	--	1.31	--	0.7	--	--	--	--	--	--	--	--	--	--	--	590	--
	9/18/2002	FD		--	--	1.31	--	0.9	--	--	--	--	--	--	--	--	--	--	--	790	--
	1/6/2003	N		--	--	--	--	0.85	--	--	--	--	--	--	--	--	--	--	--	790	--
	1/6/2003	FD		--	--	--	--	0.76	--	--	--	--	--	--	--	--	--	--	--	820	--
	3/20/2003	N		--	--	--	--	0.8	--	--	--	--	--	--	--	--	--	--	--	830	--
	3/20/2003	FD		--	--	--	--	0.65	--	--	--	--	--	--	--	--	--	--	--	730	--
	6/4/2003	N		--	--	--	--	1.15	--	--	--	--	--	--	--	--	--	--	--	820	--
	6/4/2003	FD		--	--	--	--	1.1	--	--	--	--	--	--	--	--	--	--	--	840	--
	1/20/2004	N		--	--	1.38	--	1.5	--	--	--	--	--	--	--	--	--	--	--	880	--
	1/20/2004	FD		--	--	1.36	--	1.2	--	--	--	--	--	--	--	--	--	--	--	860	--
MW009A	7/8/2004	N		--	--	0.14	--	0.28	--	--	--	--	--	< 2 U	< 2 U	< 2 U	< 6 U	< 0.25 U	< 0.05 U	370	--
	1/11/2005	N		--	--	1.05	--	0.9	--	--	--	--	--	< 2 U	< 2 U	< 2 U	< 6 U	< 0.25 U	< 0.05 U	740	--
	6/6/2005	N		--	--	0.93	--	--	--	--	--	--	--	--	--	--	--	--	--	840	--
	2/2/2006	N		--	< 0.02 U	--	0.938	--	0.9	--	< 0.2 U	< 0.005 U	< 0.005 U	< 1 U	< 1 U	< 1 U	< 3 U	< 0.6 U	< 0.6 U	644	2,420
	7/13/2006	N		--	< 0.02 U	--	0.88	--	0.78	--	< 0.2 U	< 0.005 U	< 0.005 U	< 1 U	< 1 U	< 1 U	< 3 U	< 0.096 U	< 0.05 U	642	2,530
	4/4/2007	N		--	< 0.02 U	--	0.916	--	0.84	--	< 0.2 U	< 0.005 U	< 0.005 U	< 1 U	< 1 U	< 1 U	< 3 U	< 0.099 U	< 0.05 U	356	--
	4/15/2008	N		--	< 0.02 U	--	0.902	--	0.92	--	< 0.2 U	< 0.005 U	< 0.005 U	< 1 U	< 1 U	< 1 U	< 3 U	< 0.095 U	< 0.05 U	706	2,580
	3/26/2009	N		--	< 0.02 U	--	0.803	--	0.86	--	< 0.2 U	< 0.005 U	< 0.005 U	< 1 U	< 1 U	< 1 U	< 3 U	< 0.097 U	< 0.05 U	683	2,410
	3/8/2010	N		--	< 0.05 U	--	0.884	--	0.792	--	< 0.03 U	< 0.050 U	< 0.050 U	< 1 U	< 1 U	< 1 U	< 1 U	< 0.053 U	< 0.05 U	547	2,240
	5/22/2012	N		< 0.0100 U	--	0.63	--	--	0.63	< 0.200 U	--	0.023	--	< 1.00 U	< 2.00 U	< 1.00 U	< 1.00 U	--	--	536 J	2,040
	9/6/2012	N		--	--	--	0.615	--	0.634	< 0.200 U	< 0.200 U	--	--	--	--	--	--	--	--	--	--
	5/15/2013	N		0.00949 J	--	0.633	--	--	0.638	< 0.200 U	--	< 0.0200 U	--	< 1.00 U	< 2.00 U	< 1.00 U	< 1.00 U	--	--	524	2,080
	10/24/2013	N		--	--	--	0.549	--	0.552 J	< 0.200 U	< 0.200 U	--	--	--	--	--	--	--	--	--	--
	5/27/2014	N		0.0102 J	--	0.204	--	--	0.176	< 0.200 U	--	0.312	--	< 1.00 U	< 2.00 U	< 1.00 U	< 1.00 U	--	--	497	1,890
	6/1/2015	N		< 0.0200 U	--	0.00162 J	--	--	< 0.0100 U	< 0.200 U	--	1.4	--	< 1.00 U	< 2.00 U	< 1.00 U	< 1.00 U	--	--	425	1,900
	5/19/2016	N		< 0.00336 U	--	< 0.00136 U	--	< 0.00548 U	--	--	--	--	--	--	--	--	--	--	--	360	1,740
	5/4/2017	N		0.00378	--	< 0.00684 UB	--	< 0.01 U	--	0.0912	--	1.03	--	--	--	--	--	--	--	447	1,780
	9/16/1997	N		< 0.10 U	--	0.14	--	--	--	--	--	--	--	< 1 U	< 1 U	< 1 U	< 1 U	--	--	520	2,400
	1/19/1999	N		< 0.10 U	--	0.37	--	--	--	--	--	--	--	--	--	--	--	--	--	1,100	3,100
	11/18/1999	N		--	--	0.32	--	--	--	--	--	--	--	--	--	--	--	--	--	1,100	3,800
	5/24/2001	N		--	< 0.05 U	--	0.22 < 0.05 U	--	0.28 0.036	--	--	--	--	< 2 U	< 2 U	< 2 U	< 2 U	--	--	1,800	5,130
	1/29/2002	N		--	--	0.35	--	0.17	--	< 0.1 U	< 0.1 U	< 0.05 U	< 0.05 U	--	--	--	--	--	--	1,700	4,750
	9/17/2002	N		--	--	0.27	--	0.21	--	--	--	--	--	--	--	--	--	--	--	1,700	--
	12/30/2002	N		--	--	--	--	0.17	--	--	--	--	--	--	--	--	--	--	--	2,100	--
MW010	3/17/2003	N		--	--	--	--	0.13	--	--	--	--	--	--	--	--	--	--	--	2,200	--
	6/2/2003	N		--	--	--	--	0.152	--	--	--	--	--	--	--	--	--	--	--	2,200	--
	1/21/2004	N		--	--	0.01	--	0.009	--	--	--	--	--	--	--	--	--	--	--	1,140	--
	6/23/2004	N		--	--	0.01	--	0.011	--	--	--	--	--	--	--	--	--	--	--	1,250	--
	1/3/2005	N		--	--	0.08	--	0.04	--	--	--	--	--	--	--	--	--	--	--	2,090	--
	6/6/2005	N		--	--	0.06	--	--	--	--	--	--	--	--	--	--	--	--	--	2,060	--

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		Chemical Name	Dissolved Arsenic	Total Arsenic	Dissolved Chromium	Total Chromium	Dissolved Chromium, Hexavalent	Total Chromium, Hexavalent	Dissolved Iron	Total Iron	Dissolved Manganese	Total Manganese	Benzene	Toluene	Ethylbenzene	Total Xylenes	DRO	GRO	Chloride	TDS
		Units	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	ug/l	ug/l	ug/l	ug/l	mg/l	mg/l	mg/l	mg/l
		NMWQCC Standard	0.01	0.01	0.05	0.05	0.05	0.05	1	1	0.2	0.2	5	1,000	700	620			250	1000
Location ID	Sample Date	Sample Type																		
	1/24/2006	N	--	< 0.02 U	--	0.0586	--	0.055	--	< 0.2 U	< 0.005 U	< 0.005 U	< 1 U	< 1 U	< 1 U	< 3 U	< 0.6 U	< 0.6 U	2,200	5,780
	6/30/2006	N	--	< 0.02 U	--	0.062	--	0.048	--	< 0.2 U	< 0.005 U	< 0.005 U	< 1 U	< 1 U	< 1 U	< 3 U	0.15	< 0.05 U	2,220	5,850
	6/30/2006	FD	--	< 0.02 U	--	0.0598	--	0.06	--	< 0.2 U	< 0.005 U	< 0.005 U	< 1 U	< 1 U	1.1	< 3 U	0.15	< 0.05 U	2,250	5,970
	4/11/2007	N	--	< 0.02 U	--	0.0483	--	0.043	--	< 0.2 U	< 0.005 U	< 0.005 U	< 1 U	< 1 U	< 1 U	< 3 U	0.1	< 0.05 U	2,170	--
	9/18/2007	N	--	< 0.02 U	--	--	--	--	--	< 0.2 U	< 0.005 U	< 0.005 U	--	--	--	--	--	--	--	--
	9/19/2007	N	--	--	--	0.0445	--	0.023	--	--	--	--	< 1 U	< 1 U	< 1 U	< 3 U	0.11	< 0.05 U	2,430	--
	4/7/2008	N	--	< 0.02 U	--	0.0517	--	< 0.02 U	--	< 0.2 U	< 0.005 U	< 0.005 U	4.1	1.1	< 1 U	< 3 U	< 0.1 U	< 0.05 U	2,300	5,140
	8/13/2008	N	--	0.024	--	0.0511	--	< 0.02 U	--	< 0.2 U	0.0071	0.0071	4.2	5.5	13	< 3 U	< 0.1 U	0.059	2,570	5,460
	3/26/2009	N	--	< 0.02 U	--	0.0412	--	0.033	--	< 0.2 U	< 0.005 U	< 0.005 U	< 1 U	< 1 U	< 1 U	< 3 U	< 0.096 U	< 0.05 U	2,590	5,670
	8/19/2009	N	--	< 0.02 U	--	0.0387	--	0.028	--	< 0.2 U	< 0.005 U	< 0.005 U	< 1 U	< 1 U	< 1 U	< 3 U	0.66	< 0.05 U	2,960	--
	3/3/2010	N	--	< 0.05 U	--	< 0.05 U	--	0.04	--	0.097	< 0.050 U	< 0.050 U	< 1 U	< 2 U	< 1 U	< 1 U	0.191	< 0.05 U	2,390	5,410
	8/6/2010	N	--	0.013	--	< 0.05 U	--	0.046	--	< 0.1 U	< 0.050 U	< 0.050 U	< 1 U	< 2 U	< 1 U	< 1 U	0.193	< 0.05 U	2,350	7,090
	5/21/2012	N	< 0.0100 U	--	0.0594	--	--	0.0592	< 0.200 U	--	< 0.0200 U	--	< 1.00 U	< 2.00 U	< 1.00 U	< 1.00 U	--	--	2,570	7,250
MW010	10/26/2012	N	--	< 0.0100 U	--	0.0524	--	0.048	--	< 0.200 U	< 0.0200 U	< 0.0200 U	< 1.00 U	< 2.00 U	< 1.00 U	< 1.00 U	--	--	2,680	6,400
	5/17/2013	N	0.0107 J	--	0.0235	--	--	0.022	< 0.200 U	--	< 0.0200 U	--	< 1.00 U	< 2.00 U	< 1.00 U	< 1.00 U	--	--	2,440	6,280
	11/4/2013	N	< 0.0200 U	--	0.0258	--	--	0.0193	< 0.200 U	--	0.0554	--	6.15	6.82	2.93	2.67	--	--	2,430	6,240
	5/7/2014	N	0.00572 J	--	0.034	--	0.0336	--	0.0656 J	--	< 0.0200 UJ	--	< 1.00 U	< 2.00 U	< 1.00 U	< 1.00 U	--	--	2,360	5,380
	11/5/2014	N	0.0166 J	--	0.0168	--	0.0114	--	0.246	--	< 0.0200 U	--	< 1.00 U	< 2.00 U	< 1.00 U	< 1.00 U	--	--	1,990	4,510
	11/5/2014	FD	0.00674 J	--	0.0154	--	0.00870 J	--	< 0.200 U	--	< 0.0200 U	--	< 1.00 U	< 2.00 U	< 1.00 U	< 1.00 U	--	--	1,490	4,460
	5/27/2015	N	0.00790 J	--	0.00879 J	--	--	0.00780 J	< 0.200 U	--	0.00483 J	--	< 1.00 U	< 2.00 U	< 1.00 U	< 1.00 U	--	--	1,500	4,490
	11/4/2015	N	0.00870 J	--	0.00708 J	--	--	0.00660 J	0.00951 J	--	< 0.0200 U	--	--	--	--	--	--	--	1,340	4,120
	5/16/2016	N	0.0561	--	0.0406	--	0.0513	--	--	--	--	--	--	--	--	--	--	--	3,050	6,480
	9/20/2016	N	< 0.00336 U	--	0.0528	--	0.0407	--	< 0.00616 U	--	< 0.000585 U	--	--	--	--	--	--	--	2,500	7,610
	5/9/2017	N	0.00884	--	0.0295	--	0.0271	--	0.0314	--	0.00459	--	--	--	--	--	--	--	2,730	6,960
	9/21/2017	N	0.00803	--	0.0190 J	--	--	0.00310 J	< 0.100 U	--	0.0104	--	--	--	--	--	--	--	2,360	5,620
	4/2/2018	Reg	--	0.00889	--	0.0242	--	0.0157	< 0.100 U	--	--	0.000740 J	--	--	--	--	--	--	2,920	4,910
	9/13/2018	Reg	0.00939 J	--	0.0228	--	0.012	--	--	< 0.500 U	0.00206 J	--	--	--	--	--	--	--	2,550	4,990
	1/20/1999	N	< 0.10 U	--	4.6	--	--	--	--	--	--	--	--	--	--	--	--	--	990	3,600
	11/18/1999	N	--	--	6.2	--	--	--	--	--	--	--	--	--	--	--	--	--	1,200	4,600
	5/31/2001	N	--	< 0.05 U	--	4.4	--	6.3	--	--	--	--	< 2 U	< 2 U	< 2 U	< 2 U	--	--	1,600	4,950
	8/30/2001	N	--	--	4.15 4.12	4.25 4.21	2.6 2.8	2.6 2.6	< 0.1 U	0.1	--	--	--	--	--	--	--	--	--	--
	1/31/2002	N	--	--	4.6	--	3.7	--	< 0.1 U	0.5	< 0.05 U	< 0.05 U	--	--	--	--	--	--	1,500	4,770
	9/19/2002	N	--	--	4.76	--	2.3	--	--	--	--	--	--	--	--	--	--	--	1,300	4,980
	1/7/2003	N	--	--	--	--	2	--	--	--	--	--	--	--	--	--	--	--	1,190	--
	3/26/2003	N	--	--	--	--	3.4	--	--	--	--	--	--	--	--	--	--	--	1,240	--
	6/2/2003	N	--	--	--	--	3.67	--	--	--	--	--	--	--	--	--	--	--	1,300	--
	6/10/2003	N	--	< 0.05 U	4.53	4.67	3.97	--	< 0.1 U	< 0.1 U	< 0.05 U	< 0.05 U	--	--	--	--	--	--	1,200	--
	6/10/2003	FD	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	1,220	--
	7/1/2003	N	--	< 0.05 U	4.85	4.41	3.91	--	< 0.1 U	< 0.1 U	< 0.05 U	< 0.05 U	--	--	--	--	--	--	1,300	--
	7/8/2003	N	--	< 0.05 U	4.64	4.51	3.92	--	< 0.1 U	< 1 U	< 0.05 U	< 0.05 U	--	--	--	--	--	--	1,300	--
	7/14/2003	N	--	< 0.05 U	4.4	4.4	3.94	--	< 0.1 U	< 0.1 U	< 0.05 U	< 0.05 U	--	--	--	--	--	--	1,210	--
	7/29/2003	N	--	< 0.05 U	4.88	5.02	4	--	< 0.1 U	0.1	< 0.05 U	< 0.05 U	--	--	--	--	--	--	1,300	--
	8/19/2003	N	--	< 0.05 U	4.26	4.33	3.4	--	< 0.1 U	< 0.1 U	0.1	0.1	--	--	--	--	--	--	1,200	--
	9/29/2003	N	--	< 0.05 U	4.49	4.4	2.2	--	< 0.1 U	< 0.1 U	< 0.05 U	< 0.05 U	--	--	--	--	--	--	1,300	--
	10/28/2003	N	--	< 0.05 U	4.34	4.52	3.4	--	< 0.1 U	< 0.1 U	< 0.05 U	< 0.05 U	--	--	--	--	--	--	1,300	--
MW011	12/8/2003	N	--	< 0.05 U	4.47	4.36	3	--	< 0.1 U	< 0.1 U	< 0.05 U	< 0.05 U	--	--	--	--	--	--	1,170	--
	1/6/2004	N	--	< 0.05 U	4.45	4.68	1	--	< 0.1 U	< 0.1 U	< 0.05 U	< 0.05 U	--	--	--	--	--	--	1,400	--
	3/2/2004	N	--	< 0.05 U	4.08	4.06	3 2.9	--	< 0.1 U	0.6	< 0.05 U	1.75	--	--	--	--	--	--	1,070	--
	4/1/2004	N	--	0.01	4.3	4.28	1.4	--	< 0.1 U	< 0.1 U	0.06	< 0.05 U	--	--	--	--	--	--	1,230	4,820
	5/13/2004	N	--	--	--	--	1.1	--	--	--	--	--	--	--	--	--	--	--	--	--
	5/18/2004	N	--	< 0.01 U	4.11	4.31	2.6	--	< 0.1 U	0.5	< 0.05 U	< 0.05 U	--	--	--	--	--	--	1,200	--
	6/10/2004	N	--	--	--	--	2.8	--	--	--	--	--	--	--	--	--	--	--	--	--
	6/14/2004	N	--	< 0.01 U	3.79	3.93	2.6	--	< 0.1 U	0.2	< 0.05 U	< 0.05 U	--	--	--	--	--	--	1,000	--
	7/8/2004	N	--	--	--	--	3.2	--	--	--	--	--	--	--	--	--	--	--	--	--
	7/13/2004	N	--	< 0.01 U	3.04	3.96	3.6	--	< 0.1 U	0.3	0.09	< 0.05 U	--	--	--	--	--	--	1,200	--
	8/11/2004	N	--	--	--	--	1.8	--	--	--	--	--	--	--	--	--	--	--	--	--
	8/12/2004	N	--	< 0.01 U	3.56	3.92	2.8	--	< 0.1 U	0.1	< 0.05 U	< 0.05 U	--	--	--	--	--	--	1,000	--
	9/14/2004	N	--	--	--	--	1.7	--	--	--	--	--	--	--	--	--	--	--	--	--
	9/15/2004	N	--	< 0.01 U	3.94	4.21	1.7	--	< 0.1 U	< 0.1 U	< 0.05 U	< 0.05 U	--	--	--	--	--	--	1,200	--

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Appendix E
Historical Analytical Data (through 2017)
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Former Eunice North Gas Plant

ARCADIS Design & Consultancy for natural and built assets

Location ID	Sample Date	Sample Type	Chemical Name	Dissolved Arsenic	Total Arsenic	Dissolved Chromium	Total Chromium	Dissolved Chromium, Hexavalent	Total Chromium, Hexavalent	Dissolved Iron	Total Iron	Dissolved Manganese	Total Manganese	Benzene	Toluene	Ethylbenzene	Total Xylenes	DRO	GRO	Chloride	TDS
			Units	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	ug/l	ug/l	ug/l	ug/l	mg/l	mg/l	mg/l	mg/l
			NMWQCC Standard	0.01	0.01	0.05	0.05	0.05	0.05	1	1	0.2	0.2	5	1,000	700	620			250	1000
	10/5/2004	N		--	< 0.01 U	3.98	3.88	1.3 1.8	--	< 0.1 U	< 0.1 U	< 0.05 U	< 0.05 U	--	--	--	--	--	--	1,160	--
	10/6/2004	N		--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	11/11/2004	N		--	--	--	--	3	--	--	--	--	--	--	--	--	--	--	--	--	--
	11/16/2004	N		--	< 0.01 U	4.1	3.87	--	2.9	< 0.2 U	0.89	0.05	0.05	--	--	--	--	--	--	1,060	4,490
	12/20/2004	N		--	--	--	--	4.4	--	--	--	--	--	--	--	--	--	--	--	--	--
	12/29/2004	N		--	< 0.01 U	3.77	3.86	2	--	< 0.4 U	< 0.4 U	0.03	0.03	--	--	--	--	--	--	1,200	4,590
	1/25/2005	N		--	< 0.01 U	3.44	3.14	2.6	--	< 0.4 U	< 0.4 U	< 0.01 U	0.01	--	--	--	--	--	--	1,100	4,560
	2/8/2005	N		--	< 0.01 U	2.97	2.79	1.1	--	< 0.4 U	< 0.4 U	0.01	0.01	--	--	--	--	--	--	1,050	4,690
	3/9/2005	N		--	< 0.01 U	2.91	2.92	2.3	--	< 0.4 U	< 0.4 U	0.01	0.01	--	--	--	--	--	--	1,160	4,550
	4/12/2005	N		--	< 0.01 U	0.42	0.43	3	--	1.2	4.13	< 0.01 U	< 0.01 U	--	--	--	--	--	--	1,600	11,200
	5/12/2005	N		--	< 0.01 U	3.35	3.38	3.1	--	< 0.4 U	< 0.4 U	0.03	0.03	--	--	--	--	--	--	1,400	5,000
	6/8/2005	N		--	< 0.01 U	3.19	3.08	3.3	--	< 0.4 U	< 0.4 U	0.03	0.03	--	--	--	--	--	--	1,530	5,270
	7/11/2005	N		--	< 0.01 U	3.24	3.52	4.4	--	< 0.4 U	< 0.4 U	0.03	0.04	--	--	--	--	--	--	1,670	5,310
	2/9/2006	N		--	< 0.02 U	--	3.9	--	3.2	--	0.94	0.187	0.187	< 1 U	< 1 U	< 1 U	< 3 U	< 0.6 U	< 0.6 U	1,450	5,230
	7/19/2006	N		--	< 0.02 U	--	3.81	--	3.5	--	< 0.2 U	0.11	0.11	< 1 U	< 1 U	< 1 U	< 3 U	< 0.096 U	< 0.05 U	1,360	5,280
MW011	3/29/2007	N		--	< 0.02 U	--	4.15	--	3.3	--	< 0.2 U	0.0204	0.0204	1.3	< 1 U	< 1 U	< 3 U	< 0.095 U	< 0.05 U	1,200	--
	4/16/2008	N		--	< 0.02 U	--	3.59	--	0.86	--	< 0.2 U	0.0333	0.0333	< 1 U	< 1 U	< 1 U	< 3 U	0.1	< 0.05 U	1,660	5,040
	3/31/2009	N		--	< 0.02 U	--	3.67	--	3.8	--	< 0.2 U	0.0337	0.0337	< 1 U	< 1 U	< 1 U	< 3 U	< 0.1 U	< 0.05 U	1,380	5,530
	3/10/2010	N		--	< 0.05 U	--	0.086	--	0.015	--	0.052	0.486	0.486	< 1 U	< 1 U	< 1 U	< 1 U	0.086	< 0.05 U	1,010	4,630
	5/22/2012	N		< 0.0100 U	--	< 0.0100 U	--	--	0.0398	5.23	--	2.87	--	< 1.00 U	< 2.00 U	< 1.00 U	< 1.00 U	--	--	1,130	4,590
	5/20/2013	N		0.0108 J	--	0.0143	--	--	< 0.100 U	0.598	--	1.9	--	< 1.00 U	< 2.00 U	< 1.00 U	< 1.00 U	--	--	1130 E	3,430
	5/8/2014	N		0.00881 J	--	0.00830 J	--	--	< 0.0500 U	2.59	--	4.3	--	< 1.00 U	< 2.00 U	< 1.00 U	< 1.00 U	--	--	1,190	3,700
	6/3/2015	N		< 0.0200 U	--	0.00385 J	--	--	< 0.0100 U	5.66 J	--	4.42	--	< 1.00 U	< 2.00 U	< 1.00 U	< 1.00 U	--	--	1,170	4,640
	5/20/2016	N		0.0105	--	0.00528 J	--	< 0.00548 U	--	--	--	--	--	--	--	--	--	--	--	876	4,180
	5/5/2017	N		0.0896 J	--	0.00934	--	< 0.01 U	--	113 J	--	1.49	--	--	--	--	--	--	--	1,600	4,370
	5/5/2017	FD		0.00802 J	--	< 0.00476 UB	--	< 0.01 U	--	16.5 J	--	1.64	--	--	--	--	--	--	--	1,580	4,630
	10/23/1997	N		< 0.10 U	--	< 0.05 U	--	--	--	--	--	--	--	< 1 U	< 1 U	< 1 U	< 1 U	--	--	210	940
	1/20/1999	N		< 0.10 U	--	< 0.05 U	--	--	--	--	--	--	--	--	--	--	--	--	--	170	930
	5/22/2001	N		--	< 0.05 U	--	< 0.05 U	--	0.029	--	--	--	--	< 2 U	< 2 U	< 2 U	< 2 U	--	--	210	840
	1/28/2002	N		--	--	0.11	--	0.104	--	< 0.1 U	< 0.1 U	< 0.05 U	< 0.05 U	--	--	--	--	--	--	210	1000
	9/12/2002	N		--	--	0.38	--	0.3	--	--	--	--	--	--	--	--	--	--	--	270	--
	12/26/2002	N		--	--	--	--	0.32	--	--	--	--	--	--	--	--	--	--	--	320	--
	3/18/2003	N		--	--	--	--	0.22	--	--	--	--	--	--	--	--	--	--	--	220	--
	6/2/2003	N		--	--	--	--	0.398	--	--	--	--	--	--	--	--	--	--	--	320	--
	6/10/2003	N		--	< 0.05 U	0.38	0.4	0.354	--	< 0.1 U	< 0.1 U	< 0.05 U	< 0.05 U	--	--	--	--	--	--	340	--
	6/10/2003	FD		--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	340	--
	7/1/2003	N		--	< 0.05 U	0.41	0.39	0.263	--	< 0.1 U	< 0.1 U	< 0.05 U	< 0.05 U	--	--	--	--	--	--	200	--
	7/8/2003	N		--	< 0.05 U	0.32	0.34	0.223	--	< 0.1 U	< 1 U	< 0.05 U	< 0.05 U	--	--	--	--	--	--	290	--
	7/14/2003	N		--	< 0.05 U	0.25	0.29	0.045	--	< 0.1 U	0.2	< 0.05 U	< 0.05 U	--	--	--	--	--	--	300	--
	7/29/2003	N		--	< 0.05 U	0.14	0.21	< 0.005 U	--	< 0.1 U	< 0.1 U	0.09	0.09	--	--	--	--	--	--	340	--
	8/19/2003	N		--	< 0.05 U	0.12	0.17	< 0.005 U	--	0.1	0.2	0.21	0.23	--	--	--	--	--	--	320	--
	9/29/2003	N		--	< 0.05 U	0.09	0.13	< 0.005 U	--	0.2	0.2	0.28	0.28	--	--	--	--	--	--	340	--
	10/28/2003	N		--	< 0.05 U	0.09	0.13	< 0.005 U	--	< 0.1 U	0.2	0.2	0.21	--	--	--	--	--	--	300	--
	12/8/2003	N		--	< 0.05 U	0.1	0.12	0.061	--	0.1	< 0.1 U	0.14	0.15	--	--	--	--	--	--	310	--
	1/6/2004	N		--	< 0.05 U	0.16	0.19	0.068	--	< 0.1 U	< 0.1 U	0.12	0.12	--	--	--	--	--	--	400	--
	3/4/2004	N		--	< 0.05 U	1.07	< 0.05 U	0.6	--	< 0.1 U	11.5	0.43	0.22	--	--	--	--	--	--	710	--
MW011A	4/1/2004	N		--	0.01	3.69	3.62	2.6	--	< 0.1 U	< 0.1 U	0.17	0.16	--	--	--	--	--	--	1,300	5,220
	5/13/2004	N		--	--	--	--	3.2	--	--	--	--	--	--	--	--	--	--	--	--	--
	5/18/2004	N		--	< 0.01 U	2.75	2.84	3.2	--	< 0.1 U	< 0.1 U	0.09	0.09	--	--	--	--	--	--	1,210	--
	6/10/2004	N		--	--	--	--	3.6	--	--	--	--	--	--	--	--	--	--	--	--	--
	6/14/2004	N		--	< 0.01 U	2.64	3.18	2.8	--	< 0.1 U	0.7	0.07	0.08	--	--	--	--	--	--	1,400	--
	7/8/2004	N		--	--	--	--	3.4	--	--	--	--	--	--	--	--	--	--	--	--	--
	7/12/2004	N		--	0.01	2.04	2.37	1.9	--	< 0.1 U	< 0.1 U	< 0.05 U	< 0.05 U	--	--	--	--	--	--	920	--
	8/11/2004	N		--	--	--	--	1.7	--	--	--	--	--	--	--	--	--	--	--	--	--
	8/12/2004	N		--	< 0.01 U	2.73	3.5	1.9	--	< 0.1 U	< 0.1 U	< 0.05 U	< 0.05 U	--	--	--	--	--	--	900	--
	9/15/2004	N		--	< 0.01 U	2.13	2.45	1.3 1.4	--	< 0.1 U	< 0.1 U	< 0.05 U	< 0.05 U	--	--	--	--	--	--	810	--
	10/5/2004	N		--	--	--	--	2	--	--	--	--	--	--	--	--	--	--	--	--	--
	10/7/2004	N		--	< 0.01 U	1.69	1.67	1.4	--	< 0.1 U	< 0.1 U	< 0.05 U	< 0.05 U	--	--	--	--	--	--	640	--
	11/11/2004	N		--	--	--	--	< 1 U	--	--	--	--	--	--	--	--	--	--	--	--	--
	11/16/2004	N		--	< 0.01 U	2.23	2.24	7.6	--	< 0.2 U	< 0.2 U	0.03	0.03	--	--	--	--	--	--	790	3,370

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ARCADIS Design & Consultancy for natural and built assets

		Chemical Name	Dissolved Arsenic	Total Arsenic	Dissolved Chromium	Total Chromium	Dissolved Chromium, Hexavalent	Total Chromium, Hexavalent	Dissolved Iron	Total Iron	Dissolved Manganese	Total Manganese	Benzene	Toluene	Ethylbenzene	Total Xylenes	DRO	GRO	Chloride	TDS
		Units	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	ug/l	ug/l	ug/l	ug/l	mg/l	mg/l	mg/l	mg/l
		NMWQCC Standard	0.01	0.01	0.05	0.05	0.05	0.05	1	1	0.2	0.2	5	1,000	700	620			250	1000
Location ID	Sample Date	Sample Type																		
MW011A	12/20/2004	N	--	--	--	--	3.3	--	--	--	--	--	--	--	--	--	--	--	--	--
	12/29/2004	N	--	< 0.01 U	1.87	1.71	0.8	--	< 0.4 U	< 0.4 U	0.02	0.02	--	--	--	--	--	--	710	2,950
	1/19/2005	N	--	--	--	--	2	--	--	--	--	--	--	--	--	--	--	--	--	--
	1/25/2005	N	--	< 0.01 U	3.22	3.17	--	--	< 0.4 U	< 0.4 U	0.02	0.02	--	--	--	--	--	--	1,200	4,390
	2/8/2005	N	--	< 0.01 U	3.55	3.27	3.2	--	< 0.4 U	< 0.4 U	0.03	0.03	--	--	--	--	--	--	1,270	4,790
	3/9/2005	N	--	< 0.01 U	4.04	4	3.4	--	< 0.4 U	< 0.4 U	0.03	0.03	--	--	--	--	--	--	1,310	5,150
	4/11/2005	N	--	< 0.01 U	3.89	3.91	3	--	< 0.4 U	< 0.4 U	0.03	0.03	--	--	--	--	--	--	1,330	5,340
	5/11/2005	N	--	< 0.01 U	3.83	3.64	4.8	--	< 0.4 U	< 0.4 U	0.03	0.03	--	--	--	--	--	--	1,400	5,330
	6/8/2005	N	--	< 0.01 U	3.44	3.47	3.2	--	< 0.4 U	< 0.4 U	0.03	0.03	--	--	--	--	--	--	1,350	5,260
	7/11/2005	N	--	< 0.01 U	3.55	3.59	4.1	--	< 0.4 U	< 0.4 U	0.03	0.03	--	--	--	--	--	--	1,370	5,310
	2/10/2006	N	--	< 0.02 U	--	3.75	--	3.5	--	< 0.2 U	0.0263	0.0263	< 1 U	< 1 U	< 1 U	< 3 U	< 0.6 U	< 0.6 U	1,350	5,320
	7/19/2006	N	--	< 0.02 U	--	4.32	--	4.2	--	< 0.2 U	0.0299	0.0299	< 1 U	< 1 U	< 1 U	< 3 U	< 0.094 U	< 0.05 U	1,480	5,290
	3/29/2007	N	--	< 0.02 U	--	3.94	--	3.4	--	< 0.2 U	0.0407	0.0407	1.7	< 1 U	< 1 U	< 3 U	0.14	< 0.05 U	1,370	--
	4/16/2008	N	--	< 0.02 U	--	3.88	--	3.8	--	< 0.2 U	0.0441	0.0441	< 1 U	< 1 U	< 1 U	< 3 U	< 0.1 U	< 0.05 U	1,460	5,640
	3/31/2009	N	--	< 0.02 U	--	3.77	--	3.7	--	< 0.2 U	0.0151	0.0151	< 1 U	< 1 U	< 1 U	< 3 U	< 0.11 U	< 0.05 U	1,420	6,130
	3/10/2010	N	--	< 0.05 U	--	3.77	--	4.04	--	0.382	< 0.05 U	< 0.05 U	< 1 U	< 1 U	< 1 U	< 1 U	< 0.059 U	< 0.05 U	660	5,430
	5/22/2012	N	< 0.0100 UJ	--	1.82	--	--	1.72 J	< 0.200 U	--	0.0498	--	< 1.00 U	< 2.00 U	< 1.00 U	< 1.00 U	--	--	1,350	4,720
	5/20/2013	N	< 0.0200 U	--	2.27	--	--	1.94	< 0.200 UJ	--	0.0424	--	< 1.00 U	< 2.00 U	< 1.00 U	< 1.00 U	--	--	1250 E	4,540
	5/8/2014	N	0.00886 J	--	0.114	--	--	< 0.0500 U	< 0.200 U	--	2.93	--	< 1.00 U	< 2.00 U	< 1.00 U	< 1.00 U	--	--	1,260	3,090
	6/3/2015	N	0.00677 J	--	0.22	--	--	0.033	< 0.200 UJ	--	2.31	--	< 1.00 U	< 2.00 U	< 1.00 U	< 1.00 U	--	--	1,300	5,160
	5/20/2016	N	0.0189	--	1.81	--	1.38	--	--	--	--	--	--	--	--	--	--	--	1,020	4,430
	5/5/2017	N	0.0128 J	--	1.03 J	--	0.976	--	< 0.02 U	--	0.197 J	--	--	--	--	--	--	--	941	3,310
	9/22/2017	N	0.0133	--	0.692	--	0.65	--	< 0.1 U	--	0.182	--	--	--	--	--	--	--	785	3,530
	9/22/2017	FD	0.0134	--	0.707	--	0.645	--	< 0.1 U	--	0.183	--	--	--	--	--	--	--	790	2,950
	4/4/2018	Reg	--	0.0119	--	0.371	--	0.329	< 0.100 U	--	--	0.16	--	--	--	--	--	--	729	2,090
	9/14/2018	Reg	0.0142	--	0.291	--	0.242	--	--	< 0.100 U	0.193	--	--	--	--	--	--	--	646	2,160
	9/14/2018	FD	0.0136	--	0.277	--	0.239	--	--	< 0.100 U	0.187	--	--	--	--	--	--	--	576	2,080
MW011M	10/1/2001	N	--	--	1.84	--	--	1.7	< 0.1 U	--	--	--	< 2 U	< 2 U	< 2 U	< 2 U	< 0.25 U	< 0.05 U	1,400	4,710
	2/4/2002	N	--	--	2.43	--	2.2	--	< 0.1 U	< 0.1 U	< 0.05 U	< 0.05 U	--	--	--	--	--	--	1,400	5,020
	6/10/2003	N	--	< 0.05 U	2.9	2.81	2.5	--	< 0.1 U	< 0.1 U	< 0.05 U	< 0.05 U	--	--	--	--	--	--	1,400	--
	6/10/2003	FD	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	1,350	--
	7/1/2003	N	--	< 0.05 U	5.7	3.38	3.02	--	< 0.1 U	< 0.1 U	0.1	0.05	--	--	--	--	--	--	1,500	--
	7/8/2003	N	--	< 0.05 U	3.01	2.94	1.89	--	< 0.1 U	< 1 U	< 0.05 U	< 0.05 U	--	--	--	--	--	--	1,400	--
	7/14/2003	N	--	< 0.05 U	3.01	2.93	1.59	--	< 0.1 U	< 0.1 U	< 0.05 U	< 0.05 U	--	--	--	--	--	--	1,400	--
	7/30/2003	N	--	< 0.05 U	3.38	3.26	2.4	--	< 0.1 U	< 0.1 U	0.06	0.06	--	--	--	--	--	--	1,400	--
	8/19/2003	N	--	< 0.05 U	2.95	3.15	1.9	--	< 0.1 U	< 0.1 U	0.12	0.12	--	--	--	--	--	--	1,400	--
	9/29/2003	N	--	< 0.05 U	2.9	2.79	1.3	--	< 0.1 U	< 0.1 U	0.06	0.06	--	--	--	--	--	--	1,600	--
	10/28/2003	N	--	< 0.05 U	2.68	2.8	2.3	--	< 0.1 U	< 0.1 U	0.05	0.05	--	--	--	--	--	--	1,400	--
	12/4/2003	N	--	< 0.05 U	2.98	2.93	1.6	--	< 0.1 U	< 0.1 U	0.06	0.06	--	--	--	--	--	--	1,400	--
	1/6/2004	N	--	< 0.05 U	2.43	2.66	0.69	--	< 0.1 U	< 0.1 U	0.06	< 5 U	--	--	--	--	--	--	1,500	--
	3/2/2004	N	--	< 0.05 U	3.99	4	3.7 3.1	--	< 0.1 U	0.7	0.13	< 0.05 U	--	--	--	--	--	--	1,600	--
	4/1/2004	N	--	< 0.01 U	2.65	4.92	1.6	--	< 0.1 U	0.1	0.19	< 0.05 U	--	--	--	--	--	--	1,600	5,840
	5/13/2004	N	--	--	--	--	0.95	--	--	--	--	--	--	--	--	--	--	--	--	--
	5/18/2004	N	--	< 0.01 U	2.37	2.34	2.4	--	< 0.1 U	< 0.1 U	4.92	4.82	--	--	--	--	--	--	1,800	--
	6/10/2004	N	--	--	--	--	< 0.005 U	--	--	--	--	--	--	--	--	--	--	--	--	--
	6/14/2004	N	--	< 0.01 U	0.06	0.67	0.037	--	< 0.1 U	7.3	1.88	1.86	--	--	--	--	--	--	700	--
	7/8/2004	N	--	--	--	--	< 0.005 U	--	--	--	--	--	--	--	--	--	--	--	--	--
	7/13/2004	N	--	< 0.01 U	< 0.05 U	0.44	< 0.005 U	--	0.3	3.2	3.32	3.26	--	--	--	--	--	--	1,300	--
	8/11/2004	N	--	--	--	--	< 0.005 U	--	--	--	--	--	--	--	--	--	--	--	--	--
	8/16/2004	N	--	< 0.01 U	< 0.05 U	0.24	< 0.005 U	--	0.2	1	3.42	3.64	--	--	--	--	--	--	900	--
	9/14/2004	N	--	--	--	--	< 0.005 U	--	--	--	--	--	--	--	--	--	--	--	--	--
	9/15/2004	N	--	0.01	0.09	0.15	< 0.02 U	--	3.5	16.4	< 0.05 U	< 0.05 U	--	--	--	--	--	--	1,590	--
	10/5/2004	N	--	< 0.01 U	0.18	0.17	< 0.005 U 1	--	17.7	17.2	< 0.05 U	< 0.05 U	--	--	--	--	--	--	1,570	--
	10/6/2004	N	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	11/11/2004	N	--	--	--	--	3	--	--	--	--	--	--	--	--	--	--	--	--	--
	11/16/2004	N	--	0.04	0.11	0.15	< 0.005 U	--	< 0.2 U	14.1	< 0.01 U	< 0.01 U	--	--	--	--	--	--	1,320	5,870
	12/20/2004	N	--	--	--	--	< 0.05 U	--	--	--	--	--	--	--	--	--	--	--	--	--
	12/29/2004	N	--	< 0.01 U	0.23	0.2	< 0.005 U	--	50.1	52.9	< 0.01 U	< 0.01 U	--	--	--	--	--	--	1,550	7,850
	1/25/2005	N	--	< 0.01 U	0.27	0.29	< 0.005 U	--	< 0.4 U	2.62	< 0.01 U	< 0.01 U	--	--	--	--	--	--	1,600	9,010
	2/9/2005	N	--	< 0.01 U	0.02	0.06	< 0.005 U	--	< 0.4 U	2.18	0.64	0.81	--	--	--	--	--	--	1,580	10,000
	3/9/2005	N	--	< 0.01 U	0.42	0.42	< 0.02 U	--	0.75	2.22	23.8	34.4	--	--	--	--	--	--	1,490	11,000

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Appendix E
Historical Analytical Data (through 2017)
2021 Annual Groundwater Monitoring Report
Former Eunice North Gas Plant

ARCADIS Design & Consultancy for natural and built assets

		Chemical Name	Dissolved Arsenic	Total Arsenic	Dissolved Chromium	Total Chromium	Dissolved Chromium, Hexavalent	Total Chromium, Hexavalent	Dissolved Iron	Total Iron	Dissolved Manganese	Total Manganese	Benzene	Toluene	Ethylbenzene	Total Xylenes	DRO	GRO	Chloride	TDS
		Units	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	ug/l	ug/l	ug/l	ug/l	mg/l	mg/l	mg/l	mg/l
		NMWQCC Standard	0.01	0.01	0.05	0.05	0.05	0.05	1	1	0.2	0.2	5	1,000	700	620			250	1000
Location ID	Sample Date	Sample Type																		
	4/12/2005	N	--	< 0.01 U	3.13	3.28	< 0.05 U	--	< 0.4 U	< 0.4 U	0.02	0.02	--	--	--	--	--	--	1,600	4,990
	5/12/2005	N	--	< 0.01 U	0.43	0.41	< 0.05 U	--	5.18	7.98	8.4	7.85	--	--	--	--	--	--	1,620	9,670
	6/8/2005	N	--	< 0.05 U	0.39	0.44	< 0.05 U	--	6.4	10.5	3	3.33	--	--	--	--	--	--	1,180	8,280
	7/11/2005	N	--	< 0.05 U	< 0.5 U	0.42	< 0.05 U	--	< 20 U	15.5	1.3	2.81	--	--	--	--	--	--	1,590	7,400
	2/10/2006	N	--	< 0.02 U	--	0.319	--	< 0.08 U	--	6.61	0.985	0.985	< 10 U	< 10 U	< 10 U	< 30 U	< 1.2 U	< 12 U	1,540	6,120
	7/19/2006	N	--	0.0203	--	0.267	--	< 0.02 U	--	< 0.2 U	0.128	0.128	< 5 U	< 5 U	< 5 U	< 15 U	1.7	< 0.25 U	1,470	5,640
	7/19/2006	FD	--	0.0225	--	0.266	--	< 0.02 U	--	< 0.2 U	0.131	0.131	< 5 U	< 5 U	< 5 U	< 15 U	1.8	< 0.25 U	1,400	5,500
	3/29/2007	N	--	0.0327	--	0.205	--	< 0.2 U	--	< 0.275 U	0.0449	0.0449	< 5 U	1.2	< 1 U	< 3 U	0.86	< 0.05 U	1,410	--
	4/16/2008	N	--	< 0.02 U	--	0.092	--	< 1 U	--	5.71	0.869	0.869	< 2 U	< 1 U	< 1 U	< 3 U	0.56	< 0.05 U	1,370	4,680
	3/31/2009	N	--	< 0.02 U	--	0.0672	--	< 0.2 U	--	6.21	0.628	0.628	< 5 U	< 5 U	< 5 U	< 15 U	0.3	< 0.25 U	1,330	5,250
	3/10/2010	N	--	< 0.05 U	--	< 0.05 U	--	< 0.1 U	--	0.547	0.786	0.786	< 1 U	< 1 U	< 1 U	< 1 U	0.139	0.158	2,040	3,820
	5/22/2012	N	< 0.0100 UJ	--	0.039	--	--	0.0188 J	0.352	--	< 0.0200 U	--	< 1.00 U	< 2.00 U	< 1.00 U	< 1.00 U	--	--	1,420	4,340
MW011M	5/20/2013	N	< 0.0200 U	--	0.0189	--	--	< 0.100 U	0.173 J	--	0.00474 J	--	< 1.00 U	< 2.00 U	< 1.00 U	< 1.00 U	--	--	1290 E	4,400
	5/6/2014	N	< 0.0200 U	--	0.0216	--	< 0.0500 U	--	0.267	--	< 0.0200 U	--	< 1.00 U	< 2.00 U	< 1.00 U	< 1.00 U	--	--	1,240	4,720
	6/4/2015	N	0.0110 J	--	0.0209	--	< 0.0500 U	--	< 0.200 UJ	--	0.0169 J	--	< 1.00 U	< 2.00 U	< 1.00 U	< 1.00 U	--	--	1,460	4,940
	5/20/2016	N	0.00449 J	--	0.0308	--	< 0.00548 U	--	--	--	--	--	--	--	--	--	--	--	1,000	4,910
	5/5/2017	N	0.00253 J	--	0.0202 J	--	< 0.01 U	--	2.28 J	--	0.0305 J	--	--	--	--	--	--	--	1,360	3,970
	2/19/1999	N	--	--	3	--	--	--	--	--	--	--	--	--	--	--	--	--	850	3,500
	11/18/1999	N	--	--	3	--	--	--	--	--	--	--	--	--	--	--	--	--	820	4,300
	11/18/1999	FD	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	760	2,900
	5/30/2001	N	--	< 0.05 U	--	3.35	--	2.5	--	--	--	--	< 2 U	< 2 U	< 2 U	< 2 U	--	--	910	4,020
	5/30/2001	FD	--	< 0.05 U	--	3.3	--	2.4	--	--	--	--	< 2 U	< 2 U	< 2 U	< 2 U	--	--	800	4,020
	8/27/2001	N	--	--	2.99 3.02	3.06 3.06	3.4 3.3	2.1 4.6	< 0.1 U	< 0.1 U	--	--	--	--	--	--	--	--	--	--
	1/31/2002	N	--	--	3.15	--	2.5	--	< 0.1 U	0.3	< 0.05 U	< 0.05 U	--	--	--	--	--	--	960	3,780
	1/31/2002	FD	--	--	1.24	--	2.2	--	< 0.1 U	0.3	< 0.05 U	< 0.05 U	--	--	--	--	--	--	960	3,840
	9/18/2002	N	--	--	3.82	--	2.2	--	--	--	--	--	--	--	--	--	--	--	830	--
	1/6/2003	N	--	--	--	--	1.3	--	--	--	--	--	--	--	--	--	--	--	540	--
	3/26/2003	N	--	--	--	--	2.5	--	--	--	--	--	--	--	--	--	--	--	820	--
	6/3/2003	N	--	--	--	--	2.32	--	--	--	--	--	--	--	--	--	--	--	670	--
	6/10/2003	N	--	< 0.05 U	2.84	2.96	2.64	--	< 0.1 U	0.1	< 0.05 U	< 0.05 U	--	--	--	--	--	--	780	--
	7/2/2003	N	--	< 0.05 U	2.39	2.54	2.14	--	< 0.1 U	0.3	< 0.05 U	< 0.05 U	--	--	--	--	--	--	680	--
	7/7/2003	N	--	< 0.05 U	3.08	3	2.67	--	< 0.1 U	0.1	< 0.05 U	< 0.05 U	--	--	--	--	--	--	760	--
	7/14/2003	N	--	< 0.05 U	3.24	3.64	2.97	--	< 0.1 U	0.3	< 0.05 U	< 0.05 U	--	--	--	--	--	--	680	--
	7/30/2003	N	--	< 0.05 U	3.42	3.28	2.5	--	< 0.1 U	0.7	< 0.05 U	< 0.05 U	--	--	--	--	--	--	770	--
	8/20/2003	N	--	< 0.05 U	1.54	1.66	0.7	--	< 0.1 U	< 0.1 U	< 0.05 U	< 0.05 U	--	--	--	--	--	--	730	--
	9/30/2003	N	--	< 0.05 U	3.87	3.95	2.8	--	< 0.1 U	0.3	< 0.05 U	< 0.05 U	--	--	--	--	--	--	800	--
	10/28/2003	N	--	< 0.05 U	4.12	4.27	3.2	--	< 0.1 U	0.2	< 0.05 U	< 0.05 U	--	--	--	--	--	--	800	--
	12/8/2003	N	--	< 0.05 U	3.19	3.29	1.2	--	< 0.1 U	< 0.1 U	< 0.05 U	< 0.05 U	--	--	--	--	--	--	680	--
	1/7/2004	N	--	< 0.05 U	2.67	2.82	0.6	--	< 0.1 U	0.3	< 0.05 U	< 0.05 U	--	--	--	--	--	--	700	3,090
	2/18/2004	N	--	< 0.05 U	2.18	3.76	0.79	--	< 0.1 U	0.5	< 0.05 U	< 0.05 U	--	--	--	--	--	--	760	--
	4/6/2004	N	--	0.01	2.67	2.98	1.4	--	< 0.1 U	0.4	< 0.05 U	< 0.05 U	--	--	--	--	--	--	820	--
MW012	5/6/2004	N	--	0.01	2.7	2.94	1.1	--	< 0.1 U	0.1	< 0.05 U	< 0.05 U	--	--	--	--	--	--	930	--
	6/8/2004	N	--	0.02	2.84	3.29	2	--	< 0.1 U	0.6	< 0.05 U	< 0.05 U	--	--	--	--	--	--	830	--
	7/13/2004	N	--	0.01	2.51	2.95	2.5	--	< 0.1 U	1.3	< 0.05 U	< 0.05 U	--	--	--	--	--	--	750	--
	8/12/2004	N	--	0.01	2.98	3.49	1.4	--	< 0.1 U	0.2	< 0.05 U	< 0.05 U	--	--	--	--	--	--	800	--
	9/9/2004	N	--	0.01	2.35	3.08	1.3	--	< 0.1 U	0.1	< 0.05 U	< 0.05 U	--	--	--	--	--	--	730	--
	10/6/2004	N	--	< 0.01 U	1.52	1.47	0.5	--	< 0.1 U	< 0.1 U	< 0.05 U	< 0.05 U	--	--	--	--	--	--	560	--
	11/10/2004	N	--	< 0.01 U	1.57	1.42	0.018	--	< 0.4 U	< 0.4 U	< 0.01 U	< 0.01 U	--	--	--	--	--	--	600	2,960
	12/28/2004	N	--	< 0.01 U	1.39	1.24	0.9	--	< 0.4 U	< 0.4 U	< 0.01 U	< 0.01 U	--	--	--	--	--	--	600	2,850
	1/18/2005	N	--	< 0.01 U	1.4	1.47	1.3	--	< 0.4 U	< 0.4 U	< 0.01 U	< 0.01 U	--	--	--	--	--	--	640	2,700
	2/9/2005	N	--	< 0.01 U	1.8	2.9	0.9	--	< 4 U	< 4 U	< 0.1 U	< 0.1 U	--	--	--	--	--	--	710	3,180
	3/10/2005	N	--	< 0.01 U	1.55	1.34	0.6	--	< 0.4 U	0.57	< 0.01 U	0.01	--	--	--	--	--	--	540	2,970
	4/13/2005	N	--	< 0.01 U	1.45	1.92	0.51	--	< 0.4 U	< 0.4 U	< 0.01 U	< 0.01 U	--	--	--	--	--	--	560	2,860
	5/17/2005	N	--	< 0.01 U	1.25	1.14	0.63	--	< 0.4 U	< 0.4 U	< 0.01 U	< 0.01 U	--	--	--	--	--	--	520	2,770
	6/9/2005	N	--	< 0.01 U	1.2	1.44	1.7	--	< 0.4 U	< 0.4 U	< 0.01 U	< 0.01 U	--	--	--	--	--	--	560	2,950
	7/11/2005	N	--	< 0.01 U	1.18	1.27	1.2	--	< 0.4 U	< 0.4 U	< 0.01 U	< 0.01 U	--	--	--	--	--	--	510	2,860
	2/10/2006	N	--	< 0.02 U	--	0.104	--	0.083	--	< 0.2 U	0.0798	0.0798	< 1 U	< 1 U	< 1 U	< 3 U	< 0.6 U	< 0.6 U	439	2,480
	7/20/2006	N	--	< 0.02 U	--	0.0284	--	< 0.02 U	--	11.1	0.95	0.95	< 1 U	< 1 U	< 1 U	< 3 U	0.44	0.063	408	2,160
	4/2/2007	N	--	< 0.02 U	--	0.079	--	< 0.02 U	--	1.54	0.0517	0.0517	< 1 U	< 1 U	< 1 U	< 3 U	< 0.1 U	< 0.05 U	436	--
	4/17/2008	N	--	0.0316	--	< 0.015 U	--	< 0.5 U	--	18.7	4.05	4.05	< 5 U	< 5 U	< 5 U	< 5 U	0.56	< 0.25 U	848	2,640
	4/1/2009	N	--	0.0335	--	< 0.015 U	--	< 0.02 U	--	5.95	6.9	6.9	< 1 U	< 1 U	< 1 U	< 3 U	0.39	< 0.05 U	447	2,220

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Historical Analytical Data (through 2017)
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ARCADIS Design & Consultancy for natural and built assets

Chemical Name			Dissolved Arsenic	Total Arsenic	Dissolved Chromium	Total Chromium	Dissolved Chromium, Hexavalent	Total Chromium, Hexavalent	Dissolved Iron	Total Iron	Dissolved Manganese	Total Manganese	Benzene	Toluene	Ethylbenzene	Total Xylenes	DRO	GRO	Chloride	TDS
Units			mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	ug/l	ug/l	ug/l	ug/l	mg/l	mg/l	mg/l	mg/l
NMWQCC Standard			0.01	0.01	0.05	0.05	0.05	0.05	1	1	0.2	0.2	5	1,000	700	620			250	1000
Location ID	Sample Date	Sample Type																		
	3/11/2010	N	--	0.053	--	< 0.050 U	--	< 0.10 U	--	0.376	5.76	5.76	< 1 U	< 1 U	< 1 U	< 1 U	0.31	< 0.05 U	320	1,900
	5/22/2012	N	< 0.0100 U	--	< 0.0100 U	--	--	0.0466	17.4	--	2.33	--	< 1.00 U	< 2.00 U	< 1.00 U	< 1.00 U	--	--	768	2,980
	5/21/2013	N	< 0.0200 U	--	< 0.0100 U	--	--	< 0.100 U	< 0.200 UJ	--	5.81	--	< 1.00 U	< 2.00 U	< 1.00 U	< 1.00 U	--	--	399	2,050
	5/28/2014	N	< 0.0200 U	--	< 0.0100 U	--	< 0.0100 U	--	< 0.200 U	--	1.73	--	< 1.00 U	< 2.00 U	< 1.00 U	< 1.00 U	--	--	446	1,980
	5/26/2015	N	< 0.0200 U	--	< 0.0100 U	--	< 0.0100 U	--	< 0.200 U	--	2.81	--	< 1.00 U	< 2.00 U	< 1.00 U	< 1.00 U	--	--	425	1,740
	5/13/2016	N	0.045	--	< 0.00136 U	--	< 0.00548 U	--	--	--	--	--	--	--	--	--	--	--	526	2,110
	5/5/2017	N	0.0149	--	< 0.004 U	--	< 0.01 U	--	3.08	--	4.29	--	--	--	--	--	--	--	469	2,080

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Location ID	Sample Date	Sample Type	Chemical Name	Dissolved Arsenic	Total Arsenic	Dissolved Chromium	Total Chromium	Dissolved Chromium, Hexavalent	Total Chromium, Hexavalent	Dissolved Iron	Total Iron	Dissolved Manganese	Total Manganese	Benzene	Toluene	Ethylbenzene	Total Xylenes	DRO	GRO	Chloride	TDS
			Units	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	ug/l	ug/l	ug/l	ug/l	mg/l	mg/l	mg/l	mg/l
			NMWQCC Standard	0.01	0.01	0.05	0.05	0.05	0.05	1	1	0.2	0.2	5	1,000	700	620			250	1000
MW012A	11/4/1997	N		< 0.10 U	--	< 0.05 U	--	--	--	--	--	--	--	< 1 U	< 1 U	< 1 U	< 1 U	--	--	74	480
	5/22/2001	N		--	< 0.05 U	--	< 0.05 U	--	< 0.005 U	--	--	--	--	< 2 U	< 2 U	< 2 U	< 2 U	--	--	80	500
	1/28/2002	N		--	--	< 0.05 U	--	< 0.005 U	--	< 0.1 U	< 0.1 U	< 0.05 U	< 0.05 U	--	--	--	--	--	--	60	530
	9/5/2002	N		--	--	< 0.05 U	--	< 0.005 U	--	--	--	--	--	--	--	--	--	--	--	50	--
	12/19/2002	N		--	--	--	--	**< 0.005 U 0.02**	--	--	--	--	--	--	--	--	--	--	--	71 87	--
	3/3/2003	N		--	--	--	--	< 0.005 U	--	--	--	--	--	--	--	--	--	--	--	64	--
	5/21/2003	N		--	--	--	--	< 0.005 U	--	--	--	--	--	--	--	--	--	--	--	54	--
	6/10/2003	N		--	< 0.05 U	< 0.05 U	< 0.05 U	< 0.005 U	--	< 0.1 U	< 0.1 U	< 0.05 U	< 0.05 U	--	--	--	--	--	--	53	--
	6/10/2003	FD		--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	57	--
	7/2/2003	N		--	< 0.05 U	< 0.05 U	< 0.05 U	< 0.005 U	--	< 0.1 U	< 0.1 U	< 0.05 U	< 0.05 U	--	--	--	--	--	--	50	--
	7/7/2003	N		--	< 0.05 U	< 0.05 U	< 0.05 U	< 0.005 U	--	< 0.1 U	< 0.1 U	< 0.05 U	< 0.05 U	--	--	--	--	--	--	60	--
	7/14/2003	N		--	< 0.05 U	< 0.05 U	< 0.05 U	< 0.005 U	--	< 0.1 U	< 0.1 U	< 0.05 U	< 0.05 U	--	--	--	--	--	--	60	--
	7/30/2003	N		--	< 0.05 U	< 0.05 U	< 0.05 U	**0.35**	--	**0.2**	**0.2**	**0.18**	**0.18**	--	--	--	--	--	--	60	--
	8/20/2003	N		--	< 0.05 U	< 0.05 U	< 0.05 U	< 0.005 U	--	**0.4**	**0.3**	**0.25**	**0.22**	--	--	--	--	--	--	70	--
	9/30/2003	N		--	< 0.05 U	< 0.05 U	< 0.05 U	< 0.005 U	--	**0.1**	**0.3**	**0.21**	**0.21**	--	--	--	--	--	--	67	--
	10/28/2003	N		--	< 0.05 U	< 0.05 U	< 0.05 U	< 0.005 U	--	**0.1**	**0.3**	**0.26**	**0.25**	--	--	--	--	--	--	60	--
	12/9/2003	N		--	< 0.05 U	< 0.05 U	< 0.05 U	< 0.005 U	--	**0.1**	**0.2**	**0.27**	**0.27**	--	--	--	--	--	--	60	--
	1/7/2004	N		--	< 0.05 U	< 0.05 U	< 0.05 U	< 0.005 U	--	**0.1**	**0.3**	**0.28**	**0.29**	--	--	--	--	--	--	120	700
	2/19/2004	N		--	< 0.05 U	< 0.05 U	< 0.05 U	< 0.005 U	--	< 0.1 U	**0.2**	< 0.05 U	< 0.05 U	--	--	--	--	--	--	60	--
	4/6/2004	N		--	**0.01**	< 0.05 U	< 0.05 U	< 0.005 U	--	< 0.1 U	**0.3**	< 0.05 U	< 0.05 U	--	--	--	--	--	--	60	--
	5/6/2004	N		--	**0.01**	< 0.05 U	< 0.05 U	< 0.005 U	--	< 0.1 U	**1**	< 0.05 U	< 0.05 U	--	--	--	--	--	--	60	--
	6/8/2004	N		--	**0.02**	< 0.05 U	< 0.05 U	< 0.005 U	--	< 0.1 U	**2.2**	< 0.05 U	**0.05**	--	--	--	--	--	--	60	--
	7/14/2004	N		--	**0.02**	< 0.05 U	< 0.05 U	**0.05**	--	< 0.1 U	**0.1**	< 0.05 U	< 0.05 U	--	--	--	--	--	--	70	--
	8/12/2004	N		--	**0.03**	< 0.05 U	< 0.05 U	< 0.005 U	--	< 0.1 U	**1**	< 0.05 U	< 0.05 U	--	--	--	--	--	--	59	--
	9/9/2004	N		--	**0.02**	< 0.05 U	< 0.05 U	< 0.005 U	--	< 0.1 U	**2.4**	< 0.05 U	< 0.05 U	--	--	--	--	--	--	70	--
	10/6/2004	N		--	**0.02**	< 0.05 U	< 0.05 U	< 0.005 U	--	< 0.1 U	**0.2**	< 0.05 U	< 0.05 U	--	--	--	--	--	--	60	--
	11/10/2004	N		--	**0.02**	< 0.01 U	< 0.01 U	< 0.05 U	--	< 0.4 U	< 0.4 U	**0.01**	< 0.01 U	--	--	--	--	--	--	70	530
	12/28/2004	N		--	< 0.01 U	< 0.01 U	< 0.01 U	< 0.005 U	--	< 0.4 U	< 0.4 U	< 0.01 U	< 0.01 U	--	--	--	--	--	--	63	560
	1/18/2005	N		--	**0.02**	< 0.01 U	< 0.01 U	< 0.005 U	--	< 0.4 U	< 0.4 U	< 0.01 U	< 0.01 U	--	--	--	--	--	--	80	580
	2/10/2005	N		--	**0.02**	< 0.01 U	< 0.01 U	< 0.005 U	--	< 0.4 U	< 0.4 U	< 0.01 U	**0.01**	--	--	--	--	--	--	70	520
	3/10/2005	N		--	**0.02**	< 0.01 U	< 0.01 U	< 0.005 U	--	< 0.4 U	< 0.4 U	< 0.01 U	< 0.01 U	--	--	--	--	--	--	70	530
	4/13/2005	N		--	**0.02**	< 0.01 U	< 0.01 U	< 0.005 U	--	< 0.4 U	**1.61**	< 0.01 U	**0.03**	--	--	--	--	--	--	70	540
	5/17/2005	N		--	**0.01**	< 0.01 U	< 0.01 U	< 0.005 U	--	< 0.4 U	< 0.4 U	< 0.01 U	< 0.01 U	--	--	--	--	--	--	70	530
	6/14/2005	N		--	**0.01**	< 0.01 U	< 0.01 U	< 0.005 U	--	< 0.4 U	< 0.4 U	< 0.01 U	< 0.01 U	--	--	--	--	--	--	90	530
	7/12/2005	N		--	**0.01**	< 0.01 U	< 0.01 U	< 0.005 U	--	< 0.4 U	< 0.4 U	< 0.01 U	< 0.01 U	--	--	--	--	--	--	80	550
	2/10/2006	N		--	< 0.02 U	--	< 0.015 U	--	< 0.02 U	--	< 0.2 U	**0.039**	**0.039**	< 1 U	< 1 U	< 1 U	< 3 U	< 0.6 U	< 0.6 U	72.6	533
	7/20/2006	N		--	< 0.02 U	--	< 0.015 U	--	< 0.02 U	--	< 0.2 U	**0.0638**	**0.0638**	< 1 U	< 1 U	< 1 U	< 3 U	**0.16**	< 0.05 U	88.1	549
	4/2/2007	N		--	< 0.02 U	--	--	--	--	--	< 0.2 U	**0.081**	**0.081**	--	--	--	--	--	--	--	--
	4/5/2007	N		--	--	--	< 0.015 U	--	< 0.02 U	--	--	--	--	< 1 U	< 1 U	< 1 U	< 3 U	**0.1**	< 0.05 U	99	--
	4/21/2008	N		--	< 0.02 U	--	< 0.015 U	--	< 0.02 U	--	< 0.2 U	**0.0174**	**0.0174**	< 1 U	< 1 U	< 1 U	< 3 U	**0.18**	< 0.05 U	81.8	517
	4/1/2009	N		--	**0.02**	--	< 0.015 U	--	< 0.02 U	--	**0.2**	**0.005**	**0.005**	< 1 U	< 1 U	< 1 U	< 3 U	< 0.097 U	< 0.05 U	100	509
	3/11/2010	N		--	< 0.05 U	--	< 0.050 U	--	< 0.01 U	--	**0.253**	< 0.05 U	< 0.05 U	< 1 U	< 1 U	< 1 U	< 1 U	**0.071**	< 0.05 U	65.1	496
	5/22/2012	N		< 0.0100 U	--	< 0.0100 U	--	--	< 0.0100 U	< 0.200 U	--	**0.0674**	--	< 1.00 U	< 2.00 U	< 1.00 U	< 1.00 U	--	--	97.4	576
	5/21/2013	N		**0.0117 J**	--	< 0.0100 U	--	--	< 0.0100 U	< 0.200 U	--	**0.00514 J**	--	< 1.00 U	< 2.00 U	< 1.00 U	< 1.00 U	--	--	88.5	503
	5/28/2014	N		**0.0193 J**	--	< 0.0100 U	--	< 0.0100 U	--	< 0.200 U	--	< 0.0200 U	--	< 1.00 U	< 2.00 U	< 1.00 U	< 1.00 U	--	--	90.8	562
	5/22/2015	N		**0.00861 J**	--	< 0.0100 U	--	< 0.0100 U	--	< 0.200 U	--	**0.00362 J**	--	< 1.00 U	< 2.00 U	< 1.00 U	< 1.00 U	--	--	81.7	453
	5/13/2016	N		**0.0158**	--	< 0.00136 U	--	< 0.00548 U	--	--	--	--	--	--	--	--	--	--	--	81.8	249
	5/13/2016	FD		**0.021**	--	< 0.00136 U	--	< 0.00548 U	--	--	--	--	--	--	--	--	--	--	--	83.2	581
	5/5/2017	N		**0.0163**	--	< 0.004 U	--	< 0.01 U	--	**0.0741**	--	**0.0559**	--	--	--	--	--	--	--	85.4	528
MW012M	2/4/2002	N		--	--	**1.01**	--	**0.71**	--	< 0.1 U	< 0.1 U	< 0.05 U	< 0.05 U	--	--	--	--	--	--	550	2,200
	6/10/2003	N		--	< 0.05 U	**1.73**	**1.81**	**1.57**	--	< 0.1 U	< 0.1 U	< 0.05 U	< 0.05 U	--	--	--	--	--	--	720	--
	6/10/2003	FD		--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	830 460	--
	7/2/2003	N		--	< 0.05 U	**1.82**	**1.81**	**1.75**	--	< 0.1 U	< 0.1 U	< 0.05 U	< 0.05 U	--	--	--	--	--	--	720	--
	7/7/2003	N		--	< 0.05 U	**1.3**	**1.29**	**1.23**	--	< 0.1 U	< 0.1 U	< 0.05 U	< 0.05 U	--	--	--	--	--	--	610	--
	7/14/2003	N		--	< 0.05 U	**1.51**	**1.52**	**1.4**	--	< 0.1 U	< 0.1 U	< 0.05 U	< 0.05 U	--	--	--	--	--	--	630	--
	7/30/2003	N		--	< 0.05 U	**1.55**	**1.55**	**1.1**	--	< 0.1 U	< 0.1 U	< 0.05 U	< 0.05 U	--	--	--	--	--	--	710	--
	8/20/2003	N		--	< 0.05 U	**2.61**	**3.12**	**1.8**	--	< 0.1 U	< 0.1 U	< 0.05 U	< 0.05 U	--	--	--	--	--	--	770	--
	9/30/2003	N		--	< 0.05 U	**1.25**	**1.37**	**1.4**	--	< 0.1 U	< 0.1 U	< 0.05 U	< 0.05 U	--	--	--	--	--	--	600	--
	10/28/2003	N		--	< 0.05 U	**1.48**	**1.48**	**1**	--	< 0.1 U	< 0.1 U	< 0.05 U	< 0.05 U	--	--	--	--	--	--	600	--
	12/9/2003	N		--	< 0.05 U	**1.54**	**1.59**	**0.61**	--	< 0.1 U	< 0.1 U	< 0.05 U	< 0.05 U	--	--	--	--	--	--	620	--

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		Units	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	ug/l	ug/l	ug/l	ug/l	mg/l	mg/l	mg/l	mg/l
		NMWQCC Standard	0.01	0.01	0.05	0.05	0.05	0.05	1	1	0.2	0.2	5	1,000	700	620			250	1000
Location ID	Sample Date	Sample Type																		
MW012M	1/7/2004	N	--	< 0.05 U	1.12	1.15	0.6	--	< 0.1 U	< 0.1 U	< 0.05 U	< 0.05 U	--	--	--	--	--	--	600	2,690
	2/19/2004	N	--	< 0.05 U	1.67	1.66	0.76	--	0.2	1.6	< 0.05 U	< 0.05 U	--	--	--	--	--	--	730	--
	4/6/2004	N	--	< 0.01 U	1.73	1.68	0.8	--	< 0.1 U	0.2	< 0.05 U	< 0.05 U	--	--	--	--	--	--	720	--
	5/6/2004	N	--	< 0.01 U	1.55	1.54	0.7	--	< 0.1 U	0.2	< 0.05 U	< 0.05 U	--	--	--	--	--	--	750	--
	6/8/2004	N	--	< 0.01 U	1.25	1.37	1.4	--	< 0.1 U	0.2	< 0.05 U	< 0.05 U	--	--	--	--	--	--	700	--
	7/14/2004	N	--	0.02	0.6	0.69	0.28	--	< 0.1 U	0.3	0.54	0.58	--	--	--	--	--	--	600	--
	8/12/2004	N	--	0.07	< 0.05 U	< 0.05 U	< 0.005 U	--	< 0.1 U	0.2	4.48	4.61	--	--	--	--	--	--	600	--
	9/9/2004	N	--	0.11	< 0.05 U	< 0.05 U	< 0.005 U	--	< 0.1 U	0.1	< 0.05 U	< 0.05 U	--	--	--	--	--	--	620	--
	10/6/2004	N	--	0.08	< 0.05 U	0.07	< 0.005 U	--	0.4	0.3	1.8	2.37	--	--	--	--	--	--	540	--
	11/10/2004	N	--	0.06	0.03	0.04	< 0.005 U	--	< 0.4 U	< 0.4 U	2.2	2.82	--	--	--	--	--	--	550	2,420
	12/28/2004	N	--	0.03	0.03	0.04	0.006	--	< 0.4 U	< 0.4 U	1	1.36	--	--	--	--	--	--	630	1,940
	1/18/2005	N	--	0.04	0.03	0.03	< 0.005 U	--	< 0.4 U	< 0.4 U	0.91	1.01	--	--	--	--	--	--	520	1,780
	2/9/2005	N	--	< 0.01 U	0.03	0.02	< 0.005 U	--	< 0.4 U	5.33	0.75	0.65	--	--	--	--	--	--	490	1,880
	3/10/2005	N	--	0.05	0.02	0.02	< 0.005 U	--	< 0.4 U	< 0.4 U	0.57	0.61	--	--	--	--	--	--	440	1,870
	4/13/2005	N	--	0.03	0.02	0.02	< 0.005 U	--	< 0.4 U	< 0.4 U	0.56	0.61	--	--	--	--	--	--	410	1,860
	5/18/2005	N	--	0.02	0.02	0.02	< 0.005 U	--	< 0.4 U	< 0.4 U	0.55	0.54	--	--	--	--	--	--	450	1,750
	6/14/2005	N	--	0.02	0.01	0.02	< 0.005 U	--	< 0.4 U	< 0.4 U	0.53	0.67	--	--	--	--	--	--	450	1,850
	7/12/2005	N	--	0.01	0.01	0.03	< 0.005 U	--	< 0.4 U	< 0.4 U	0.54	0.59	--	--	--	--	--	--	440	2,050
	2/13/2006	N	--	0.0393	--	0.255	--	< 2 U	--	271	50.2	50.2	< 50 U	< 50 U	< 50 U	< 150 U	< 60 U	< 450 U	833	12,800
	7/20/2006	N	--	0.0497	--	0.259	--	< 0.02 U	--	514	72.5	72.5	< 50 U	< 50 U	< 50 U	< 150 U	< 950 U	4.9	906	17,100
	4/5/2007	N	--	0.1	--	0.287	--	< 2 U	--	1130	92.6	92.6	< 5 U	< 5 U	< 5 U	< 15 U	140	0.64	871	--
	4/17/2008	N	--	0.139	--	0.124	--	< 2 U	--	899	44.4	44.4	< 20 U	< 20 U	< 20 U	< 60 U	2.89	3.9	781	18,000
	4/1/2009	N	--	0.137	--	0.0782	--	< 0.02 U	--	91.8	2.06	2.06	< 5 U	< 5 U	< 5 U	< 15 U	170	3.1	691	8,270
	3/11/2010	N	--	< 0.05 U	--	< 0.050 U	--	0.131	--	1.23	< 0.050 U	< 0.050 U	< 1 U	< 1 U	< 1 U	< 1 U	3.86	1.02	279	4,420
	5/22/2012	N	0.0784	--	0.0456	--	--	0.284	8.52	--	0.0954	--	< 1.00 UJ	< 2.00 UJ	< 1.00 UJ	< 1.00 UJ	--	--	861	5,830
	5/21/2013	N	0.087	--	0.0444	--	--	< 0.100 U	10.1	--	0.142	--	< 1.00 U	< 2.00 U	< 1.00 U	< 1.00 U	--	--	744	4,900
	5/28/2014	N	0.088	--	0.0429	--	< 0.100 U	--	9.14	--	0.119	--	< 1.00 U	< 2.00 U	< 1.00 U	< 1.00 U	--	--	779	5,220
	5/26/2015	N	0.108	--	0.0416	--	< 0.200 U	--	5.35	--	0.0615	--	< 1.00 U	< 2.00 U	< 1.00 U	< 1.00 U	--	--	757	4,480
	5/13/2016	N	0.109	--	0.0413	--	< 0.0548 U	--	--	--	--	--	--	--	--	--	--	--	765	3,360
	5/5/2017	N	0.105	--	0.0411	--	< 0.01 U	--	7.82	--	0.0876	--	--	--	--	--	--	--	752	3,690
	4/4/2018	Reg	--	0.0815	--	0.0351	--	< 0.0100 U	4.76	--	--	0.052	--	--	--	--	--	--	800	3,140
MW013	12/4/1997	N	< 0.10 U	--	0.16	--	--	--	--	--	--	--	--	--	--	--	--	--	1,100	4,000
	1/19/1999	N	< 0.10 U	--	0.16	--	--	--	--	--	--	--	--	--	--	--	--	--	1,100	4,000
	11/18/1999	N	--	--	0.09	--	--	--	--	--	--	--	--	--	--	--	--	--	1,200	4,500
	5/23/2001	N	--	< 0.05 U	--	0.31 0.26	--	0.3 0.2	--	--	--	--	< 2 U	< 2 U	< 2 U	< 2 U	--	--	1,700	4,810
	8/27/2001	N	--	--	0.23 0.24	0.22 0.22	< 0.5 U 0.6	< 0.5 < 0.5	< 0.1 U	< 0.1 U	--	--	--	--	--	--	--	--	--	--
	1/29/2002	N	--	--	0.28	--	0.16	--	< 0.1 U	0.1	< 0.05 U	< 0.05 U	--	--	--	--	--	--	1,220	4,360
	9/17/2002	N	--	--	0.41	--	0.33	--	--	--	--	--	--	--	--	--	--	--	930	--
	12/19/2002	N	--	--	--	--	0.35	--	--	--	--	--	--	--	--	--	--	--	970	--
	3/18/2003	N	--	--	--	--	0.42	--	--	--	--	--	--	--	--	--	--	--	980	--
	6/3/2003	N	--	--	--	--	1	--	--	--	--	--	--	--	--	--	--	--	960	--
	1/19/2004	N	--	--	0.21	--	0.19	--	--	--	--	--	--	--	--	--	--	--	790	--
	6/30/2004	N	--	--	1.04	--	0.69	--	--	--	--	--	--	--	--	--	--	--	980	--
	1/10/2005	N	--	--	0.97	--	1	--	--	--	--	--	--	--	--	--	--	--	400	--
	6/3/2005	N	--	--	0.8	--	--	--	--	--	--	--	--	--	--	--	--	--	890	--
	1/26/2006	N	--	< 0.02 U	--	0.733	--	0.68	--	< 0.2 U	< 0.005 U	< 0.005 U	< 1 U	< 1 U	< 1 U	< 3 U	< 0.6 U	< 0.6 U	935	3,730
	7/5/2006	N	--	< 0.02 U	--	0.638	--	0.61	--	< 0.2 U	< 0.005 U	< 0.005 U	< 1 U	< 1 U	< 1 U	< 3 U	< 0.096 U	< 0.05 U	946	3,720
	4/18/2007	N	--	< 0.02 U	--	0.741	--	0.58	--	< 0.2 U	< 0.005 U	< 0.005 U	< 1 U	< 1 U	< 1 U	< 3 U	< 0.095 U	< 0.05 U	925	--
	9/20/2007	N	--	< 0.02 U	--	0.673	--	0.62	--	0.399	< 0.005 U	< 0.005 U	< 1 U	< 1 U	< 1 U	< 3 U	< 0.098 U	< 0.05 U	784	--
	4/15/2008	N	--	< 0.02 U	--	0.197	--	0.088	--	< 0.2 U	< 0.005 U	< 0.005 U	1.8	< 1 U	< 1 U	< 3 U	< 0.099 U	< 0.05 U	616	1,990
	8/21/2008	N	--	< 0.02 U	--	0.604	--	0.3	--	< 0.2 U	< 0.005 U	< 0.005 U	< 1 U	< 1 U	1.1	< 3 U	< 0.096 U	< 0.05 U	819	3,480
	4/1/2009	N	--	< 0.02 U	--	0.855	--	0.82	--	< 0.2 U	< 0.005 U	< 0.005 U	< 1 U	< 1 U	1.1	< 3 U	< 0.096 U	< 0.05 U	771	3,390
	8/10/2009	N	--	< 0.02 U	--	0.83	--	0.84	--	< 0.2 U	< 0.005 U	< 0.005 U	< 1 U	< 1 U	< 1 U	< 3 U	0.1	< 0.05 U	760	3,360
	3/9/2010	N	--	< 0.05 U	--	0.968	--	1.17	--	0.065	< 0.050 U	< 0.050 U	< 1 U	< 1 U	< 1 U	< 1 U	0.333	< 0.05 U	717	3,300
	8/9/2010	N	--	< 0.01 U	--	0.915	--	0.119	--	0.165	< 0.050 U	< 0.050 U	< 1 U	< 2 U	< 1 U	< 1 U	0.108	< 0.05 U	746	3,210
	5/17/2012	N	< 0.0100 UJ	--	0.229	--	--	0.188	< 0.200 U	--	< 0.0200 U	--	< 1.00 U	< 2.00 U	< 1.00 U	< 1.00 U	--	--	321 J	2,100
	5/17/2012	FD	< 0.0100 UJ	--	0.232	--	--	0.219	< 0.200 U	--	< 0.0200 U	--	< 1.00 U	< 2.00 U	< 1.00 U	< 1.00 U	--	--	329 J	2,160
	11/1/2012	N	--	< 0.0100 U	--	0.217	--	0.191	--	< 0.200 U	< 0.0200 U	< 0.0200 U	< 1.00 U	< 2.00 U	< 1.00 U	< 1.00 U	--	--	272	1,790
	11/1/2012	FD	--	< 0.0100 U	--	0.181	--	0.227	--	< 0.200 U	< 0.0200 U	< 0.0200 U	< 1.00 U	< 2.00 U	< 1.00 U	< 1.00 U	--	--	278	1,830
	5/17/2013	N	0.00930 J	--	0.275	--	--	0.274	< 0.200 U	--	< 0.0200 U	--	< 1.00 U	< 2.00 U	< 1.00 U	< 1.00 U	--	--	301	1,730

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Appendix E
Historical Analytical Data (through 2017)
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		Chemical Name	Dissolved Arsenic	Total Arsenic	Dissolved Chromium	Total Chromium	Dissolved Chromium, Hexavalent	Total Chromium, Hexavalent	Dissolved Iron	Total Iron	Dissolved Manganese	Total Manganese	Benzene	Toluene	Ethylbenzene	Total Xylenes	DRO	GRO	Chloride	TDS
		Units	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	ug/l	ug/l	ug/l	ug/l	mg/l	mg/l	mg/l	mg/l
		NMWQCC Standard	0.01	0.01	0.05	0.05	0.05	0.05	1	1	0.2	0.2	5	1,000	700	620			250	1000
Location ID	Sample Date	Sample Type																		
MW013	11/4/2013	N	< 0.0200 U	--	1.76	--	--	1.78	< 0.200 U	--	< 0.0200 U	--	4.05	4.59	1.84	1.82	--	--	650	3,230
	5/7/2014	N	< 0.0200 U	--	0.991	--	0.918	--	< 0.200 U	--	< 0.0200 U	--	< 1.00 U	< 2.00 U	< 1.00 U	< 1.00 U	--	--	536	2,570
	11/7/2014	N	< 0.0200 U	--	0.224	--	0.192	--	< 0.200 U	--	0.00926 J	--	< 1.00 U	< 2.00 U	< 1.00 U	< 1.00 U	--	--	420	2460 J
	5/26/2015	N	0.00929 J	--	0.103	--	0.0732	--	< 0.200 U	--	0.00471 J	--	< 1.00 U	< 2.00 U	< 1.00 U	< 1.00 U	--	--	377	1,900
	11/6/2015	N	< 0.0200 U	--	0.453	--	0.444	--	< 0.200 U	--	< 0.0200 U	--	--	--	--	--	--	--	585	2,490
	11/6/2015	FD	< 0.0200 UJ	--	0.45	--	0.543	--	< 0.200 U	--	< 0.0200 U	--	--	--	--	--	--	--	605	2,530
	5/16/2016	N	0.0583	--	0.943	--	1.28	--	--	--	--	--	--	--	--	--	--	--	936	2,820
	9/20/2016	N	< 0.00336 U	--	1.17	--	1.11	--	< 0.00616 U	--	< 0.000585 U	--	--	--	--	--	--	--	762	3,220
	5/9/2017	N	0.00811	--	1.42	--	0.15	--	0.0226	--	0.00045 J	--	--	--	--	--	--	--	816	3,220
	9/21/2017	N	0.00734	--	1.25 J	--	--	1.25	< 0.100 U	--	0.00442	--	--	--	--	--	--	--	255	3,220
	4/2/2018	Reg	--	0.00798	--	1.75	--	1.88	< 0.100 U	--	--	0.000295 J	--	--	--	--	--	--	850	2,880
	9/13/2018	Reg	0.00757	--	1.76	--	1.84	--	--	< 0.100 U	0.000747 J	--	--	--	--	--	--	--	692	2,810
MW013A	10/28/1997	N	< 0.10 U	--	< 0.05 U	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	10/29/1997	N	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	26	520
	1/20/1999	N	< 0.10 U	--	< 0.05 U	--	--	--	--	--	--	--	--	--	--	--	--	--	57	530
	5/22/2001	N	--	< 0.05 U	--	< 0.05 U	--	0.021	--	--	--	--	< 2 U	< 2 U	< 2 U	< 2 U	--	--	100	600
	1/28/2002	N	--	--	< 0.05 U	--	0.028	--	< 0.1 U	< 0.1 U	< 0.05 U	< 0.05 U	--	--	--	--	--	--	130	760
	9/5/2002	N	--	--	< 0.05 U	--	0.037	--	--	--	--	--	--	--	--	--	--	--	90	--
	3/12/2003	N	--	--	--	--	0.009	--	--	--	--	--	--	--	--	--	--	--	82	--
	5/28/2003	N	--	--	--	--	0.019	--	--	--	--	--	--	--	--	--	--	--	70	--
	1/19/2004	N	--	--	0.75	--	0.5	--	--	--	--	--	--	--	--	--	--	--	690	--
	7/7/2004	N	--	--	0.6	--	0.54	--	--	--	--	--	--	--	--	--	--	--	700	--
	7/7/2004	FD	--	--	0.53	--	0.33	--	--	--	--	--	--	--	--	--	--	--	500	--
	1/11/2005	N	--	--	0.04	--	0.031	--	--	--	--	--	--	--	--	--	--	--	110	--
	1/11/2005	FD	--	--	0.05	--	0.043	--	--	--	--	--	--	--	--	--	--	--	110	--
	6/3/2005	N	--	--	0.02	--	--	--	--	--	--	--	--	--	--	--	--	--	80	--
	6/3/2005	FD	--	--	0.02	--	--	--	--	--	--	--	--	--	--	--	--	--	80	--
	1/26/2006	N	--	< 0.02 U	--	0.0492	--	0.039	--	< 0.2 U	< 0.005 U	< 0.005 U	< 1 U	< 1 U	< 1 U	< 3 U	< 0.6 U	< 0.6 U	111	647
	7/5/2006	N	--	< 0.02 U	--	0.0308	--	0.021	--	< 0.2 U	< 0.005 U	< 0.005 U	< 1 U	< 1 U	< 1 U	< 3 U	0.1	< 0.05 U	84	587
	4/16/2007	N	--	0.0204	--	0.0626	--	0.043	--	< 0.2 U	< 0.005 U	< 0.005 U	< 1 U	< 1 U	< 1 U	< 3 U	< 0.095 U	< 0.05 U	122	--
	9/21/2007	N	--	0.0259	--	0.0295	--	0.028	--	< 0.2 U	< 0.005 U	< 0.005 U	< 1 U	< 1 U	< 1 U	< 3 U	< 0.095 U	< 0.05 U	86	--
	4/7/2008	N	--	0.0223	--	0.0245	--	0.04 *	--	< 0.2 U	< 0.005 U	< 0.005 U	7.4	1.7	< 1 U	< 3 U	< 0.096 U	< 0.05 U	87.5	589
	8/21/2008	N	--	0.02	--	0.0269	--	0.023	--	< 0.2 U	< 0.005 U	< 0.005 U	< 1 U	< 1 U	< 1 U	< 3 U	< 0.098 U	< 0.05 U	85.3	588
	3/30/2009	N	--	< 0.02 U	--	< 0.015 U	--	< 0.020 U	--	< 0.2 U	< 0.005 U	< 0.005 U	< 1 U	< 1 U	< 1 U	< 3 U	0.16	< 0.05 U	68	540
	8/4/2009	N	--	0.0243	--	< 0.015 U	--	< 0.020 U	--	< 0.2 U	< 0.005 U	< 0.005 U	< 1 U	< 1 U	< 1 U	< 3 U	< 0.095 U	< 0.05 U	72.5	540
	3/2/2010	N	--	< 0.05 U	--	< 0.05 U	--	0.012	--	0.186	< 0.050 U	< 0.050 U	< 1 U	< 2 U	< 1 U	< 1 U	0.081	< 0.05 U	71.5	1,220
	8/4/2010	N	--	0.017	--	< 0.05 U	--	0.018	--	< 0.1 U	< 0.050 U	< 0.050 U	1.4	< 2 U	< 1 U	< 1 U	0.073	< 0.05 U	65	498
	5/17/2012	N	< 0.0100 UJ	--	< 0.0100 U	--	--	< 0.0100 U	< 0.200 U	--	< 0.0200 U	--	< 1.00 U	< 2.00 U	< 1.00 U	< 1.00 U	--	--	76.0 J	575
	10/29/2012	N	--	< 0.0100 U	--	< 0.0100 U	--	< 0.0100 U	--	< 0.200 U	< 0.0200 U	< 0.0200 U	< 1.00 U	< 2.00 U	< 1.00 U	< 1.00 U	--	--	68.6	554
	5/17/2013	N	0.0303	--	< 0.0100 U	--	--	< 0.0100 U	< 0.200 U	--	< 0.0200 U	--	< 1.00 U	< 2.00 U	< 1.00 U	< 1.00 U	--	--	67.6	460
	11/4/2013	N	0.0199 J	--	< 0.0100 U	--	--	< 0.0100 U	< 0.200 U	--	< 0.0200 U	--	2.75	2.14	1.09	9.1	--	--	59.6	512
	11/4/2013	FD	0.0201	--	< 0.0100 U	--	--	< 0.0100 U	< 0.200 U	--	< 0.0200 U	--	1.47	1.77 J	1.01	8.44	--	--	63.2	511
	5/7/2014	N	0.0247	--	< 0.0100 UJ	--	0.0220 J	--	< 0.200 U	--	< 0.0200 U	--	< 1.00 U	< 2.00 U	< 1.00 U	< 1.00 U	--	--	68.6	432
	5/7/2014	FD	0.021	--	< 0.0100 UJ	--	< 0.0100 U	--	< 0.200 U	--	< 0.0200 UJ	--	< 1.00 U	< 2.00 U	< 1.00 U	< 1.00 U	--	--	66.3	575
	11/7/2014	N	0.0289	--	0.00295 J	--	< 0.0100 U	--	< 0.200 U	--	< 0.0200 U	--	< 1.00 U	< 2.00 U	< 1.00 U	< 1.00 U	--	--	65.2	598 J
	5/26/2015	N	0.0178 J	--	0.00299 J	--	< 0.0100 U	--	< 0.200 U	--	< 0.0200 U	--	< 1.00 U	< 2.00 U	< 1.00 U	< 1.00 U	--	--	62.1	440
	5/26/2015	FD	0.0113 J	--	0.00294 J	--	< 0.0100 U	--	< 0.200 U	--	< 0.0200 U	--	< 1.00 U	< 2.00 U	< 1.00 U	< 1.00 U	--	--	62.3	506
	11/6/2015	N	< 0.0200 UJ	--	0.00560 J	--	0.00560 J	--	< 0.200 U	--	< 0.0200 U	--	--	--	--	--	--	--	68.6	530
	5/16/2016	N	0.0261	--	0.00524 J	--	0.0069 J	--	--	--	--	--	--	--	--	--	--	--	93.5	609
	9/20/2016	N	0.0253	--	0.0063 J	--	< 0.01 U	--	0.00645 J	--	0.00166 J	--	--	--	--	--	--	--	88.8	539
	9/20/2016	FD	0.0224	--	0.00505 J	--	< 0.01 U	--	< 0.00616 U	--	0.00176 J	--	--	--	--	--	--	--	84.6	539
	5/11/2017	N	0.0195	--	0.00456	--	0.0032 J	--	0.00385 J	--	0.000398 J	--	--	--	--	--	--	--	84.5	506
MW014	5/19/1999	N	< 0.10 U	--	1	--	--	--	--	--	--	--	--	--	--	--	--	--	1,700	4,400
	11/18/1999	N	--	--	0.92	--	--	--	--	--	--	--	--	--	--	--	--	--	2,000	4,600
	5/24/2001	N	--	< 0.05 U	--	0.78	--	0.71	--	--	--	--	< 2 U	< 2 U	< 2 U	< 2 U	--	--	1,800	4,890
	8/27/2001	N	--	--	0.51 0.51	0.5 0.5	1.1 0.9	1 0.9	< 0.1 U	< 0.1 U	--	--	--	--	--	--	--	--	--	--
	1/30/2002	N	--	--	0.46	--	0.3	--	< 0.1 U	0.2	< 0.05 U	< 0.05 U	--	--	--	--	--	--	2,100	4,430
	1/30/2002	FD	--	--	0.47	--	0.33	--	< 0.1 U	< 0.1 U	< 0.05 U	< 0.05 U	--	--	--	--	--	--	800	4,540
	9/17/2002	N	--	--	0.63	--	0.52	--	--	--	--	--	--	--	--	--	--	--	1,600	--
	1/2/2003	N	--	--	--	--	0.2	--	--	--	--	--	--	--	--	--	--	--	1,900	--
	3/18/2003	N	--	--	--	--	0.38	--	--	--	--	--	--	--	--	--	--	--	1,800	--

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Location ID	Sample Date	Sample Type	Chemical Name	Dissolved Arsenic	Total Arsenic	Dissolved Chromium	Total Chromium	Dissolved Chromium, Hexavalent	Total Chromium, Hexavalent	Dissolved Iron	Total Iron	Dissolved Manganese	Total Manganese	Benzene	Toluene	Ethylbenzene	Total Xylenes	DRO	GRO	Chloride	TDS
			Units	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	ug/l	ug/l	ug/l	ug/l	mg/l	mg/l	mg/l	mg/l
			NMWQCC Standard	0.01	0.01	0.05	0.05	0.05	0.05	1	1	0.2	0.2	5	1,000	700	620			250	1000
	6/3/2003	N		--	--	--	--	0.446	--	--	--	--	--	--	--	--	--	--	--	1,800	--
	1/6/2004	N		--	--	0.48	--	0.19	--	--	--	--	--	--	--	--	--	--	--	1,700	--
	6/30/2004	N		--	--	0.44	--	0.16	--	--	--	--	--	--	--	--	--	--	--	1,800	--
	1/10/2005	N		--	--	0.37	--	0.29	--	--	--	--	--	--	--	--	--	--	--	1,890	--
	6/8/2005	N		--	--	0.32	--	--	--	--	--	--	--	--	--	--	--	--	--	1,790	--
	1/26/2006	N		--	< 0.02 U	--	0.325	--	0.29	--	< 0.2 U	0.0337	0.0337	< 1 U	< 1 U	< 1 U	< 3 U	0.6	< 0.6 U	2,070	4,460
	6/29/2006	N		--	< 0.02 U	--	0.273	--	0.25	--	< 0.2 U	0.037	0.037	< 1 U	1.1	1.4	< 3 U	1.2	< 0.05 U	1,880	4,560
	4/13/2007	N		--	< 0.02 U	--	0.242	--	0.23	--	< 0.2 U	0.037	0.037	< 1 U	< 1 U	< 1 U	< 3 U	0.98	< 0.05 U	1,720	--
	9/19/2007	N		--	< 0.02 U	--	--	--	--	--	< 0.289 U	0.0457	0.0457	--	--	--	--	--	--	--	--
	9/20/2007	N		--	--	--	0.235	--	0.18	--	--	--	--	< 1 U	< 1 U	< 1 U	< 3 U	1.1	< 0.05 U	1,630	--
	4/7/2008	N		--	0.0203	--	0.231	--	0.11 *	--	< 0.2 U	0.0488	0.0488	1.9	< 1 U	< 1 U	< 3 U	1.4	< 0.05 U	1,600	4,230
	3/30/2009	N		--	--	--	0.201	--	0.2	--	--	--	--	< 1 U	< 1 U	< 1 U	< 3 U	1.5	< 0.05 U	1,460	4,170
	4/1/2009	N		--	< 0.02 U	--	--	--	--	--	< 0.2 U	< 0.005 U	< 0.005 U	--	--	--	--	--	--	--	--
MW014	8/10/2009	N		--	0.0283	--	< 0.015 U	--	< 0.020 U	--	< 0.2 U	0.354	0.354	1.1	< 1 U	< 1 U	< 3 U	0.65	< 0.05 U	133	647
	3/9/2010	N		--	< 0.05 U	--	< 0.05 U	--	< 0.10 U	--	0.135	0.629	0.629	< 1 U	< 1 U	< 1 U	< 1 U	2.14	< 0.05 U	1,350	3,750
	8/9/2010	N		--	0.034	--	< 0.05 U	--	0.027	--	< 0.1 U	0.385	0.385	< 1 U	< 2 U	< 1 U	< 1 U	2.57	< 0.05 U	1,230	3,650
	5/18/2012	N		< 0.0100 U	--	< 0.0100 U	--	--	< 0.0100 U	< 0.200 U	--	0.287	--	< 1.00 U	< 2.00 U	< 1.00 U	< 1.00 U	--	--	1,370	3,500
	10/29/2012	N		--	< 0.0100 U	--	0.0395	--	0.0275	--	< 0.200 U	0.186	0.186	< 1.00 U	< 2.00 U	< 1.00 U	< 1.00 U	--	--	1,670	4,410
	5/16/2013	N		0.0247	--	0.0245	--	--	0.0172	< 0.200 U	--	0.128	--	< 1.00 U	< 2.00 U	< 1.00 U	< 1.00 U	--	--	1,540	3,820
	11/5/2013	N		0.0209	--	0.0705	--	--	0.048	< 0.200 U	--	0.172	--	< 1.00 U	< 2.00 U	< 1.00 U	2.37	--	--	1,180	3,600
	5/7/2014	N		0.0231	--	0.0659	--	< 0.0500 U	--	0.0405 J	--	0.151	--	< 1.00 U	< 2.00 U	< 1.00 U	< 1.00 U	--	--	1,400	3,520
	11/5/2014	N		0.0183 J	--	0.00926 J	--	< 0.0100 U	--	< 0.200 U	--	0.12	--	< 1.00 U	< 2.00 U	< 1.00 U	< 1.00 U	--	--	1,890	3,900
	5/20/2015	N		0.0236	--	0.0281	--	0.0211	--	< 0.200 UJ	--	0.0891	--	< 1.00 U	< 2.00 U	< 1.00 U	< 1.00 U	--	--	1,910	4,580
	11/4/2015	N		0.0149 J	--	0.112	--	0.0884	--	0.0125 J	--	0.186	--	--	--	--	--	--	--	1,450	3,900
	11/4/1997	N		< 0.10 U	--	< 0.05 U	--	--	--	--	--	--	--	--	--	--	--	--	--	97	510
	5/23/2001	N		--	< 0.05 U	--	< 0.05 U	--	0.006	--	--	--	--	< 2 U	< 2 U	< 2 U	< 2 U	--	--	80	520
	1/24/2002	N		--	--	< 0.05 U	--	0.008	--	--	0.06	< 0.05 U	< 0.05 U	--	--	--	--	--	--	50	540
	9/5/2002	N		--	--	< 0.05 U	--	< 0.005 U	--	--	--	--	--	--	--	--	--	--	--	40	--
	12/19/2002	N		--	--	--	--	0.005	--	--	--	--	--	--	--	--	--	--	--	44	--
	3/10/2003	N		--	--	--	--	< 0.005 U	--	--	--	--	--	--	--	--	--	--	--	46	--
	5/21/2003	N		--	--	--	--	< 0.005 U	--	--	--	--	--	--	--	--	--	--	--	44	--
	12/29/2003	N		--	--	< 0.01 U	--	< 0.005 U	--	--	--	--	--	--	--	--	--	--	--	50	--
	6/17/2004	N		--	--	< 0.05 U	--	< 0.005 U	--	--	--	--	--	--	--	--	--	--	--	50	--
	12/16/2004	N		--	--	< 0.01 U	--	0.005	--	--	--	--	--	--	--	--	--	--	--	70	--
	6/2/2005	N		--	--	< 0.01 U	--	--	--	--	--	--	--	--	--	--	--	--	--	50	--
	1/23/2006	N		--	0.0261	--	< 0.015 U	--	< 0.02 U	--	< 0.2 U	< 0.005 U	< 0.005 U	< 1 U	< 1 U	< 1 U	< 3 U	< 0.6 U	< 0.6 U	45.8	512
	6/29/2006	N		--	< 0.02 U	--	< 0.015 U	--	< 0.02 U	--	< 0.2 U	< 0.005 U	< 0.005 U	< 1 U	1	1.4	< 3 U	< 0.095 U	< 0.05 U	47.9	506
MW014A	3/21/2007	N		--	0.0236	--	< 0.015 U	--	< 0.02 U	--	< 0.2 U	< 0.005 U	< 0.005 U	< 1 U	< 1 U	< 1 U	< 3 U	< 0.095 U	< 0.05 U	45.6	--
	9/13/2007	N		--	0.0207	--	< 0.015 U	--	< 0.02 U	--	< 0.2 U	< 0.005 U	< 0.005 U	< 1 U	< 1 U	< 1 U	< 3 U	< 0.097 U	< 0.05 U	46.2	--
	3/24/2008	N		--	0.0256	--	< 0.015 U	--	< 0.02 U	--	< 0.2 U	< 0.005 U	< 0.005 U	< 1 U	< 1 U	< 1 U	< 3 U	< 0.096 U	< 0.05 U	47.9	523
	3/18/2009	N		--	< 0.02 U	--	< 0.015 U	--	< 0.02 U	--	< 0.2 U	0.0065	0.0065	17	5.8	1.9	< 3 U	< 0.096 U	< 0.06 U	44.9	30
	8/20/2009	N		--	0.0214	--	< 0.015 U	--	< 0.02 U	--	< 0.2 U	< 0.005 U	< 0.005 U	< 1 U	< 1 U	< 1 U	< 3 U	< 0.096 U	< 0.05 U	45.6	507
	3/16/2010	N		--	< 0.05 U	--	< 0.050 U	--	0.011	--	0.056	< 0.050 U	< 0.050 U	< 1 U	< 1 U	< 1 U	< 1 U	< 0.050 U	< 0.05 U	38.3	828
	8/9/2010	N		--	0.02	--	< 0.050 U	--	0.021	--	0.106	< 0.050 U	< 0.050 U	< 1 U	< 2 U	< 1 U	< 1 U	0.052	< 0.05 U	40.2	458
	5/18/2012	N		< 0.0100 U	--	< 0.0100 U	--	--	< 0.0100 U	< 0.200 U	--	< 0.0200 U	--	< 1.00 U	< 2.00 U	< 1.00 U	< 1.00 U	--	--	56.2	518
	10/29/2012	N		--	< 0.0100 U	--	< 0.0100 U	--	< 0.0100 U	--	< 0.200 U	< 0.0200 U	< 0.0200 U	< 1.00 U	< 2.00 U	< 1.00 U	< 1.00 U	--	--	50.4	624
	5/16/2013	N		0.0198 J	--	< 0.0100 U	--	--	< 0.0100 U	< 0.200 U	--	< 0.0200 U	--	< 1.00 U	< 2.00 U	< 1.00 U	< 1.00 U	--	--	46	440
	11/5/2013	N		< 0.0200 U	--	< 0.0100 U	--	--	< 0.0100 U	< 0.200 U	--	< 0.0200 U	--	< 1.00 U	< 2.00 U	< 1.00 U	< 1.00 U	--	--	30.6	313
	5/7/2014	N		0.0254	--	< 0.0100 UJ	--	< 0.0100 U	--	< 0.200 U	--	< 0.0200 UJ	--	< 1.00 U	< 2.00 U	< 1.00 U	< 1.00 U	--	--	48.9	449
	11/5/2014	N		< 0.0200 U	--	< 0.0100 U	--	< 0.0100 U	--	0.101 J	--	< 0.0200 U	--	< 1.00 U	< 2.00 U	< 1.00 U	< 1.00 U	--	--	11.6	129
	5/21/2015	N		< 0.0200 U	--	< 0.0100 U	--	< 0.0100 U	--	< 0.200 U	--	< 0.0200 U	--	< 1.00 U	< 2.00 U	< 1.00 U	< 1.00 U	--	--	14.7	135
	11/4/2015	N		< 0.0200 U	--	< 0.0100 U	--	< 0.0100 U	--	< 0.200 U	--	0.0169 J	--	--	--	--	--	--	--	12.3	140
	1/19/1999	N		< 0.10 U	--	0.07	--	--	--	--	--	--	--	--	--	--	--	--	--	1,400	3,000
	5/19/1999	N		--	--	< 0.05 U	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	11/17/1999	N		--	--	< 0.05 U	--	--	--	--	--	--	--	--	--	--	--	--	--	3,100	5,900
	5/17/2001	N		--	< 0.05 U	--	< 0.05 U	--	0.033	--	--	--	--	< 2 U	< 2 U	< 2 U	< 2 U	--	--	3,200	6,890
	1/22/2002	N		--	--	--	< 0.05 U	--	0.005	< 1 U	0.2	< 0.5 U	< 0.05 U	--	--	--	--	--	--	3,200	6,900
	9/4/2002	N		--	--	< 0.05 U	--	0.008	--	--	--	--	--	--	--	--	--	--	--	2,700	--
MW015	12/11/2002	N		--	--	--	--	0.014	--	--	--	--	--	--	--	--	--	--	--	3,100	--
	3/11/2003	N		--	--	--	--	0.012	--	--	--	--	--	--	--	--	--	--	--	2,900	--
	5/29/2003	N		--	--	--	--	0.016	--	--	--	--	--	--	--	--	--	--	--	2,800	--
	12/30/2003	N		--	--	0.01	--	0.023	--	--	--	--	--	--	--	--	--	--	--	310	--

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Appendix E
Historical Analytical Data (through 2017)
2021 Annual Groundwater Monitoring Report
Former Eunice North Gas Plant

ARCADIS Design & Consultancy for natural and built assets

		Chemical Name	Dissolved Arsenic	Total Arsenic	Dissolved Chromium	Total Chromium	Dissolved Chromium, Hexavalent	Total Chromium, Hexavalent	Dissolved Iron	Total Iron	Dissolved Manganese	Total Manganese	Benzene	Toluene	Ethylbenzene	Total Xylenes	DRO	GRO	Chloride	TDS
		Units	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	ug/l	ug/l	ug/l	ug/l	mg/l	mg/l	mg/l	mg/l
		NMWQCC Standard	0.01	0.01	0.05	0.05	0.05	0.05	1	1	0.2	0.2	5	1,000	700	620			250	1000
Location ID	Sample Date	Sample Type																		
	6/24/2004	N	--	--	0.01	--	0.005	--	--	--	--	--	--	--	--	--	--	--	2,100	--
	1/4/2005	N	--	--	0.01	--	0.01	--	--	--	--	--	--	--	--	--	--	--	2,800	--
	6/3/2005	N	--	--	0.01	--	--	--	--	--	--	--	--	--	--	--	--	--	2,490	--
MW015	1/25/2006	N	--	< 0.02 U	--	< 0.015 U	--	< 0.02 U	--	< 0.2 U	< 0.005 U	< 0.005 U	< 1 U	< 1 U	< 1 U	< 3 U	< 0.6 U	< 0.6 U	2,720	6,450
	6/29/2006	N	--	< 0.02 U	--	< 0.015 U	--	< 0.02 U	--	< 0.2 U	< 0.005 U	< 0.005 U	< 1 U	< 1 U	1.2	< 3 U	0.11	< 0.05 U	2,900	7,100
	3/22/2007	N	--	< 0.02 U	--	< 0.015 U	--	< 0.02 U	--	< 0.2 U	< 0.005 U	< 0.005 U	< 1 U	< 1 U	< 1 U	< 3 U	0.13	< 0.05 U	2,570	--
	9/19/2007	N	--	< 0.02 U	--	< 0.015 U	--	< 0.02 U	--	< 0.2 U	< 0.005 U	< 0.005 U	< 1 U	< 1 U	< 1 U	< 3 U	0.11	< 0.05 U	2,380	--
	3/24/2008	N	--	< 0.02 U	--	< 0.015 U	--	< 0.02 U	--	< 0.2 U	< 0.005 U	< 0.005 U	< 1 U	< 1 U	< 1 U	< 3 U	< 0.095 U	< 0.05 U	2,230	5,310
	8/6/2008	N	--	< 0.02 U	--	< 0.015 U	--	< 0.02 U	--	< 0.2 U	< 0.005 U	< 0.005 U	< 1 U	< 1 U	< 1 U	< 3 U	0.11	< 0.05 U	2,380	4,730
	3/19/2009	N	--	< 0.02 U	--	< 0.015 U	--	< 0.02 U	--	< 0.2 U	< 0.005 U	< 0.005 U	2.9	1.2	< 1 U	< 3 U	< 0.097 U	< 0.05 U	1,850	4,840
	8/20/2009	N	--	< 0.02 U	--	< 0.015 U	--	< 0.02 U	--	< 0.2 U	< 0.005 U	< 0.005 U	< 1 U	< 1 U	< 1 U	< 3 U	< 0.098 U	< 0.05 U	1,590	3,930
	3/10/2010	N	--	< 0.05 U	--	< 0.05 U	--	< 0.01 U	--	0.084	< 0.050 U	< 0.050 U	< 1 U	< 1 U	< 1 U	< 1 U	0.071	< 0.05 U	1,100	3,550
	8/11/2010	N	--	< 0.01 U	--	< 0.05 U	--	< 0.01 U	--	< 0.1 U	< 0.050 U	< 0.050 U	< 1 U	< 2 U	< 1 U	< 1 U	0.076	< 0.05 U	824	3,480
	5/17/2012	N	< 0.0100 UJ	--	< 0.0100 U	--	--	< 0.0100 U	< 0.200 U	--	< 0.0200 U	--	< 1.00 U	< 2.00 U	< 1.00 U	< 1.00 U	--	--	777 J	2,620
	10/29/2012	N	--	< 0.0100 U	--	< 0.0100 U	--	< 0.0100 U	--	< 0.200 U	< 0.0200 U	< 0.0200 U	< 1.00 U	< 2.00 U	< 1.00 U	< 1.00 U	--	--	576	2,070
	5/16/2013	N	0.0173 J	--	< 0.0100 U	--	--	< 0.0100 U	< 0.200 U	--	< 0.0200 U	--	< 1.00 U	< 2.00 U	< 1.00 U	< 1.00 U	--	--	532	2,050
	11/5/2013	N	0.0120 J	--	0.00624 J	--	--	< 0.0100 U	< 0.200 U	--	< 0.0200 U	--	< 1.00 U	< 2.00 U	< 1.00 U	< 1.00 U	--	--	543	2,250
	5/6/2014	N	< 0.0200 U	--	< 0.0100 U	--	< 0.0100 U	--	< 0.200 U	--	< 0.0200 U	--	< 1.00 U	< 2.00 U	< 1.00 U	< 1.00 U	--	--	639	2,480
	11/4/2014	N	0.00581 J	--	0.00458 J	--	< 0.0100 U	--	< 0.200 UJ	--	< 0.0200 U	--	< 1.00 U	< 2.00 U	< 1.00 U	< 1.00 U	--	--	438	2,020
	5/27/2015	N	< 0.0200 U	--	0.000828 J	--	< 0.0100 U	--	< 0.200 U	--	< 0.0200 U	--	< 1.00 U	< 2.00 U	< 1.00 U	< 1.00 U	--	--	516	1,910
	11/4/2015	N	0.00450 J	--	< 0.0100 U	--	< 0.0100 U	--	< 0.200 U	--	< 0.0200 U	--	--	--	--	--	--	--	476	1,920
	5/13/2016	N	0.0365	--	< 0.00136 U	--	< 0.00548 U	--	--	--	--	--	--	--	--	--	--	--	533	1,800
	9/20/2016	N	0.00419 J	--	0.00475 J	--	< 0.01 U	--	< 0.00616 U	--	0.00201 J	--	--	--	--	--	--	--	500	1,810
	5/11/2017	N	0.00558	--	0.00267 J	--	< 0.01 U	--	0.00384 J	--	0.000542 J	--	--	--	--	--	--	--	476	1,700
MW015A	11/4/1997	N	< 0.10 U	--	< 0.05 U	--	--	--	--	--	--	--	--	--	--	--	--	--	230	650
	1/19/1999	N	< 0.10 U	--	< 0.05 U	--	--	--	--	--	--	--	--	--	--	--	--	--	140	630
	5/17/2001	N	--	< 0.05 U	--	< 0.05 U	--	0.006	--	--	--	--	< 2 U	< 2 U	< 2 U	< 2 U	--	--	270	780
	1/22/2002	N	--	--	--	< 0.05 U	--	< 0.005 U	--	< 1 U	< 0.5 U	< 0.5 U	--	--	--	--	--	--	390	1,020
	9/4/2002	N	--	--	< 0.05 U	--	< 0.005 U	--	--	--	--	--	--	--	--	--	--	--	350	--
	12/11/2002	N	--	--	--	--	< 0.005 U	--	--	--	--	--	--	--	--	--	--	--	320	--
	3/3/2003	N	--	--	--	--	< 0.005 U	--	--	--	--	--	--	--	--	--	--	--	370	--
	5/21/2003	N	--	--	--	--	< 0.005 U	--	--	--	--	--	--	--	--	--	--	--	530	--
	12/29/2003	N	--	--	< 0.01 U	--	< 0.005 U	--	--	--	--	--	--	--	--	--	--	--	970	--
	6/17/2004	N	--	--	< 0.05 U	--	< 0.005 U	--	--	--	--	--	--	--	--	--	--	--	1,130	--
	12/20/2004	N	--	--	< 0.01 U	--	0.006	--	--	--	--	--	--	--	--	--	--	--	960	--
	6/2/2005	N	--	--	0.01	--	--	--	--	--	--	--	--	--	--	--	--	--	1,030	--
	1/23/2006	N	--	< 0.02 U	--	< 0.015 U	--	< 0.02 U	--	< 0.2 U	< 0.005 U	< 0.005 U	< 1 U	< 1 U	< 1 U	< 3 U	< 0.6 U	< 0.6 U	1,130	2,410
	6/29/2006	N	--	< 0.02 U	--	< 0.015 U	--	< 0.02 U	--	< 0.2 U	< 0.005 U	< 0.005 U	< 1 U	1.8	1.9	< 3 U	< 0.095 U	< 0.05 U	1,440	3,140
	3/22/2007	N	--	< 0.02 U	--	< 0.015 U	--	< 0.02 U	--	< 0.2 U	< 0.005 U	< 0.005 U	< 1 U	< 1 U	< 1 U	< 3 U	< 0.095 U	< 0.05 U	1,320	--
	9/14/2007	N	--	< 0.02 U	--	< 0.015 U	--	< 0.02 U	--	< 0.2 U	< 0.005 U	< 0.005 U	< 1 U	< 1 U	< 1 U	< 3 U	< 0.095 U	< 0.05 U	1,400	--
	3/24/2008	N	--	< 0.02 U	--	< 0.015 U	--	< 0.02 U	--	< 0.2 U	< 0.005 U	< 0.005 U	< 1 U	< 1 U	1.4	< 3 U	< 0.096 U	< 0.05 U	1,910	3,620
	8/6/2008	N	--	< 0.02 U	--	< 0.015 U	--	< 0.02 U	--	< 0.2 U	< 0.005 U	< 0.005 U	< 1 U	< 1 U	< 1 U	< 3 U	< 0.096 U	< 0.05 U	2,020	3,140
	3/19/2009	N	--	< 0.02 U	--	< 0.015 U	--	< 0.02 U	--	< 0.2 U	< 0.005 U	< 0.005 U	9.8	2.7	1.1	< 3 U	< 0.096 U	< 0.05 U	2,010	4,190
	8/21/2009	N	--	< 0.02 U	--	< 0.015 U	--	< 0.02 U	--	< 0.2 U	< 0.005 U	< 0.005 U	< 1 U	< 1 U	< 1 U	< 3 U	< 0.095 U	< 0.05 U	2,270	--
	3/10/2010	N	--	< 0.05 U	--	< 0.05 U	--	0.012	--	0.171	< 0.050 U	< 0.050 U	< 1 U	< 1 U	< 1 U	< 1 U	0.065	< 0.05 U	1,930	5,080
	8/11/2010	N	--	< 0.01 U	--	< 0.05 U	--	< 0.01 U	--	< 0.1 U	< 0.050 U	< 0.050 U	< 1 U	< 2 U	< 1 U	< 1 U	< 0.050 U	< 0.05 U	1,610	5,540
	5/17/2012	N	< 0.0100 UJ	--	< 0.0100 U	--	--	< 0.0100 U	< 0.200 U	--	< 0.0200 U	--	< 1.00 U	< 2.00 U	< 1.00 U	< 1.00 U	--	--	2730 J	6,170
	10/29/2012	N	--	< 0.0100 U	--	< 0.0100 U	--	< 0.0100 U	--	< 0.200 U	< 0.0200 U	< 0.0200 U	< 1.00 U	< 2.00 U	< 1.00 U	< 1.00 U	--	--	2,190	5,050
	5/16/2013	N	0.00913 J	--	0.00502 J	--	--	< 0.0100 U	< 0.200 U	--	0.00770 J	--	< 1.00 U	< 2.00 U	< 1.00 U	< 1.00 U	--	--	1,410	3,400
	11/5/2013	N	< 0.0200 U	--	< 0.0100 U	--	--	< 0.0100 U	< 0.200 U	--	< 0.0200 U	--	< 1.00 U	< 2.00 U	< 1.00 U	< 1.00 U	--	--	205 J	1230 J
	11/5/2013	FD	0.0113 J	--	0.00470 J	--	--	< 0.0100 U	0.0203 J	--	< 0.0200 U	--	< 1.00 U	< 2.00 U	< 1.00 U	2.18 J	--	--	1700 J	4020 J
	5/6/2014	N	< 0.0200 U	--	0.0113	--	< 0.0100 U	--	< 0.200 U	--	< 0.0200 U	--	< 1.00 U	< 2.00 U	< 1.00 U	< 1.00 U	--	--	3,410	10,500
	11/10/2014	N	0.00704 J	--	0.0109	--	< 0.0100 U	--	< 0.200 U	--	0.0143 J	--	< 1.00 U	< 2.00 U	< 1.00 U	< 1.00 U	--	--	892	2,550
	5/27/2015	N	< 0.0200 U	--	0.00931 J	--	< 0.0100 U	--	< 0.200 U	--	0.00968 J	--	< 1.00 U	< 2.00 U	< 1.00 U	< 1.00 U	--	--	996	2,580
	11/4/2015	N	0.00471 J	--	0.00231 J	--	< 0.0100 U	--	0.109 J	--	0.0312	--	--	--	--	--	--	--	378	1,080
	5/13/2016	N	0.042	--	0.0119	--	< 0.00548 U	--	--	--	--	--	--	--	--	--	--	--	3,960	7,630
	9/20/2016	N	0.023	--	0.0335	--	0.0151	--	< 0.00616 U	--	< 0.000585 U	--	--	--	--	--	--	--	4,910	8,270
	5/11/2017	N	0.0105	--	0.0123	--	0.0112	--	0.0119 J	--	0.00376	--	--	--	--	--	--	--	3,800	6,250
	9/22/2017	N	0.00763	--	0.00192 J	--	0.0024 J	--	0.152	--	0.00417	--	--	--	--	--	--	--	361	1,940
	4/2/2018	Reg	--	0.00351	--	0.00546	--	< 0.0100 U	0.24	--	--	0.0428	--	--	--	--	--	--	5,570	8,370
	4/2/2018	FD	--	0.00222	--	0.0048	--	< 0.0100 U	0.214	--	--	0.0573	--	--	--	--	--	--	5,430	8,500
	9/13/2018	Reg	0.00882 J	--	0.00534 J	--	< 0.0100 U	--	--	0.164 J	0.0197	--	--	--	--	--	--	--	5,950	9,850

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Appendix E
Historical Analytical Data (through 2017)
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Former Eunice North Gas Plant

ARCADIS Design & Consultancy for natural and built assets

Location ID	Sample Date	Sample Type	Chemical Name	Dissolved Arsenic	Total Arsenic	Dissolved Chromium	Total Chromium	Dissolved Chromium, Hexavalent	Total Chromium, Hexavalent	Dissolved Iron	Total Iron	Dissolved Manganese	Total Manganese	Benzene	Toluene	Ethylbenzene	Total Xylenes	DRO	GRO	Chloride	TDS
			Units	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	ug/l	ug/l	ug/l	ug/l	mg/l	mg/l	mg/l	mg/l
			NMWQCC Standard	0.01	0.01	0.05	0.05	0.05	0.05	1	1	0.2	0.2	5	1,000	700	620			250	1000
MW016A	1/7/1997	N		--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	210	950
	11/7/1997	N		< 0.10 U	--	< 0.05 U	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	5/17/2001	N		--	< 0.05 U	--	< 0.05 U	--	**0.006**	--	--	--	--	< 2 U	< 2 U	< 2 U	< 2 U	--	--	230	900
	1/22/2002	N		--	--	--	< 0.05 U	--	< 0.005 U	--	< 1 U	< 0.5 U	< 0.5 U	--	--	--	--	--	--	240	1,040
	9/4/2002	N		--	--	< 0.05 U	--	< 0.005 U	--	--	--	--	--	--	--	--	--	--	--	130	--
	12/12/2002	N		--	--	--	--	< 0.005 U	--	--	--	--	--	--	--	--	--	--	--	230	--
MW016A	3/4/2003	N		--	--	--	--	< 0.005 U	--	--	--	--	--	--	--	--	--	--	--	240	--
	5/21/2003	N		--	--	--	--	< 0.005 U	--	--	--	--	--	--	--	--	--	--	--	300	--
	12/29/2003	N		--	--	< 0.01 U	--	< 0.005 U	--	--	--	--	--	--	--	--	--	--	--	260	--
	6/17/2004	N		--	--	< 0.05 U	--	< 0.005 U	--	--	--	--	--	--	--	--	--	--	--	270	--
	12/16/2004	N		--	--	< 0.01 U	--	**0.012**	--	--	--	--	--	--	--	--	--	--	--	320	--
	6/2/2005	N		--	--	< 0.01 U	--	--	--	--	--	--	--	--	--	--	--	--	--	260	--
	1/20/2006	N		--	< 0.02 U	--	< 0.015 U	--	< 0.02 U	--	< 0.2 U	< 0.005 U	< 0.005 U	< 1 U	< 1 U	< 1 U	< 3 U	< 0.6 U	< 0.6 U	255	916
	6/29/2006	N		--	< 0.02 U	--	< 0.015 U	--	< 0.02 U	--	< 0.2 U	< 0.005 U	< 0.005 U	< 1 U	< 1 U	**1.3**	< 3 U	< 0.096 U	< 0.05 U	267	934
	3/22/2007	N		--	< 0.02 U	--	< 0.015 U	--	< 0.02 U	--	< 0.2 U	< 0.005 U	< 0.005 U	< 1 U	< 1 U	< 1 U	< 3 U	< 0.095 U	< 0.05 U	260	--
	9/13/2007	N		--	< 0.02 U	--	< 0.015 U	--	< 0.02 U	--	< 0.2 U	< 0.005 U	< 0.005 U	< 1 U	< 1 U	< 1 U	< 3 U	< 0.096 U	< 0.05 U	269	--
	3/19/2008	N		--	< 0.02 U	--	< 0.015 U	--	< 0.02 U	--	< 0.2 U	< 0.005 U	< 0.005 U	< 1 U	**5.3**	**14**	**5.1**	< 0.097 U	**0.07**	289	976
	8/7/2008	N		--	< 0.02 U	--	< 0.015 U	--	< 0.02 U	--	< 0.2 U	< 0.005 U	< 0.005 U	< 1 U	< 1 U	< 1 U	< 3 U	< 0.096 U	< 0.05 U	352	1,030
	3/17/2009	N		--	< 0.02 U	--	< 0.015 U	--	< 0.02 U	--	< 0.2 U	< 0.005 U	< 0.005 U	**7.6**	**3**	**1.2**	< 3 U	< 0.094 U	< 0.05 U	368	1,090
	8/21/2009	N		--	< 0.02 U	--	< 0.015 U	--	< 0.02 U	--	< 0.2 U	< 0.005 U	< 0.005 U	< 1 U	< 1 U	< 1 U	< 3 U	< 0.095 U	< 0.05 U	509	--
	3/10/2010	N		--	< 0.05 U	--	< 0.050 U	--	< 0.01 U	--	**0.074**	< 0.050 U	< 0.050 U	< 1 U	< 1 U	< 1 U	< 1 U	< 0.050 U	< 0.050 U	306	1,030
	8/11/2010	N		--	**0.02**	--	< 0.050 U	--	< 0.01 U	--	< 0.1 U	< 0.050 U	< 0.050 U	< 1 U	< 2 U	< 1 U	< 1 U	**0.196**	< 0.050 U	305	1,200
	5/17/2012	N		< 0.0100 UJ	--	< 0.0100 U	--	--	< 0.0100 U	< 0.200 U	--	< 0.0200 U	--	< 1.00 U	< 2.00 U	< 1.00 U	< 1.00 U	--	--	256 J	889
	10/26/2012	N		--	< 0.0100 U	--	< 0.0100 U	--	< 0.0100 U	--	< 0.200 U	< 0.0200 U	< 0.0200 U	< 1.00 U	< 2.00 U	< 1.00 U	< 1.00 U	--	--	542	1,190
	5/16/2013	N		**0.0153 J**	--	< 0.0100 U	--	--	< 0.0100 U	< 0.200 U	--	**0.00528 J**	--	< 1.00 U	< 2.00 U	< 1.00 U	< 1.00 U	--	--	250	909
	11/5/2013	N		**0.00924 J**	--	**0.00397 J**	--	--	< 0.0100 U	< 0.200 U	--	< 0.0200 U	--	**3.06**	< 2.00 U	< 1.00 U	**3.02**	--	--	541	1,790
	5/6/2014	N		< 0.0200 U	--	< 0.0100 U	--	< 0.0100 U	--	< 0.200 U	--	< 0.0200 U	--	< 1.00 U	< 2.00 U	< 1.00 U	< 1.00 U	--	--	590	1,820
	11/13/2014	N		< 0.0200 U	--	**0.000983 J**	--	< 0.0100 U	--	< 0.200 U	--	< 0.0200 U	--	< 1.00 U	< 2.00 U	< 1.00 U	< 1.00 U	--	--	262	1,010
	5/27/2015	N		< 0.0200 U	--	< 0.0100 U	--	**0.00680 J**	--	< 0.200 U	--	< 0.0200 U	--	< 1.00 U	< 2.00 U	< 1.00 U	< 1.00 U	--	--	272	966
	11/12/2015	N		**0.00876 J**	--	**0.0407**	--	< 0.0100 U	--	< 0.200 U	--	< 0.0200 U	--	--	--	--	--	--	--	303	1,020
	9/14/2018	Reg		**0.00914**	--	**0.00528**	--	< 0.0100 U	--	--	< 0.100 U	< 0.00200 U	--	--	--	--	--	--	--	513	1,290
MW017A	11/10/1997	N		< 0.10 U	--	< 0.05 U	--	--	--	--	--	--	--	--	--	--	--	--	--	120	570
	5/17/2001	N		--	< 0.05 U	--	< 0.05 U	--	**0.007**	--	--	--	--	< 2 U	< 2 U	< 2 U	< 2 U	--	--	80	540
	1/23/2002	N		--	--	< 0.05 U	--	< 0.005 U	--	--	< 0.05 U	< 0.05 U	< 0.05 U	--	--	--	--	--	--	67	520
	9/4/2002	N		--	--	< 0.05 U	--	< 0.005 U	--	--	--	--	--	--	--	--	--	--	--	50	--
	12/12/2002	N		--	--	--	--	< 0.005 U	--	--	--	--	--	--	--	--	--	--	--	49	--
	3/4/2003	N		--	--	--	--	< 0.005 U	--	--	--	--	--	--	--	--	--	--	--	54	--
	5/21/2003	N		--	--	--	--	< 0.005 U	--	--	--	--	--	--	--	--	--	--	--	56	--
	12/30/2003	N		--	--	< 0.01 U	--	**0.01**	--	--	--	--	--	--	--	--	--	--	--	60	--
	6/23/2004	N		--	--	< 0.01 U	--	< 0.005 U	--	--	--	--	--	--	--	--	--	--	--	80	--
	1/4/2005	N		--	--	< 0.01 U	--	**0.01**	--	--	--	--	--	--	--	--	--	--	--	80	--
	6/3/2005	N		--	--	< 0.01 U	--	--	--	--	--	--	--	--	--	--	--	--	--	70	--
	1/24/2006	N		--	**0.0226**	--	< 0.015 U	--	< 0.02 U	--	< 0.2 U	< 0.005 U	< 0.005 U	< 1 U	< 1 U	< 1 U	< 3 U	< 0.6 U	< 0.6 U	69.7	545
	6/29/2006	N		--	**0.0206**	--	< 0.015 U	--	< 0.02 U	--	< 0.2 U	< 0.005 U	< 0.005 U	< 1 U	**1.2**	**1.4**	< 3 U	< 0.095 U	< 0.05 U	87.8	567
	3/21/2007	N		--	**0.0226**	--	< 0.015 U	--	< 0.02 U	--	< 0.2 U	< 0.005 U	< 0.005 U	< 1 U	< 1 U	< 1 U	< 3 U	< 0.095 U	< 0.005 U	83.7	--
MW018	5/19/1999	N		< 0.10 U	--	< 0.05 U	--	--	--	--	--	--	--	--	--	--	--	--	--	420	1,300
	11/17/1999	N		--	--	< 0.05 U	--	--	--	--	--	--	--	--	--	--	--	--	--	370	1,300
	5/17/2001	N		--	< 0.05 U	--	< 0.05 U < 0.05 U	--	< 0.005 U < 0.005 U	--	--	--	--	< 2 U	< 2 U	< 2 U	< 2 U	--	--	330	1,280
	1/23/2002	N		--	--	< 0.05 U	--	< 0.005 U	--	--	< 0.05 U	< 0.05 U	< 0.05 U	--	--	--	--	--	--	360	1,410
	9/4/2002	N		--	--	< 0.05 U	--	< 0.005 U	--	--	--	--	--	--	--	--	--	--	--	220	--
	12/12/2002	N		--	--	--	--	< 0.005 U	--	--	--	--	--	--	--	--	--	--	--	220	--
	3/4/2003	N		--	--	--	--	< 0.005 U	--	--	--	--	--	--	--	--	--	--	--	180	--
	5/27/2003	N		--	--	--	--	< 0.005 U	--	--	--	--	--	--	--	--	--	--	--	230	--
	12/30/2003	N		--	--	< 0.01 U	--	< 0.005 U	--	--	--	--	--	--	--	--	--	--	--	180	--
	6/17/2004	N		--	--	< 0.05 U	--	< 0.005 U	--	--	--	--	--	--	--	--	--	--	--	240	--
	12/20/2004	N		--	--	< 0.01 U	--	< 0.005 U	--	--	--	--	--	--	--	--	--	--	--	250	--
	5/31/2005	N		--	--	< 0.01 U	--	--	--	--	--	--	--	--	--	--	--	--	--	250	--
	1/23/2006	N		--	< 0.02 U	--	< 0.015 U	--	< 0.02 U	--	< 0.2 U	< 0.005 U	< 0.005 U	< 1 U	< 1 U	< 1 U	< 3 U	< 0.6 U	< 0.6 U	284	1,300
	1/23/2006	FD		--	**0.021**	--	< 0.015 U	--	< 0.02 U	--	< 0.2 U	< 0.005 U	< 0.005 U	< 1 U	< 1 U	< 1 U	< 3 U	< 0.6 U	< 0.6 U	288	1,380
	6/29/2006	N		--	< 0.02 U	--	< 0.015 U	--	< 0.02 U	--	< 0.2 U	< 0.005 U	< 0.005 U	< 1 U	**3**	**3.2**	< 3 U	**0.15**	< 0.05 U	318	1,460
	4/2/2007	N		--	< 0.02 U	--	< 0.015 U	--	< 0.02 U	--	< 0.2 U	< 0.005 U	< 0.005 U	< 1 U	< 1 U	< 1 U	< 3 U	**0.1**	< 0.05 U	283	--

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		Chemical Name	Dissolved Arsenic	Total Arsenic	Dissolved Chromium	Total Chromium	Dissolved Chromium, Hexavalent	Total Chromium, Hexavalent	Dissolved Iron	Total Iron	Dissolved Manganese	Total Manganese	Benzene	Toluene	Ethylbenzene	Total Xylenes	DRO	GRO	Chloride	TDS
		Units	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	ug/l	ug/l	ug/l	ug/l	mg/l	mg/l	mg/l	mg/l
		NMWQCC Standard	0.01	0.01	0.05	0.05	0.05	0.05	1	1	0.2	0.2	5	1,000	700	620			250	1000
Location ID	Sample Date	Sample Type																		
	9/14/2007	N	--	< 0.02 U	--	< 0.015 U	--	< 0.02 U	--	< 0.2 U	< 0.005 U	< 0.005 U	< 1 U	< 1 U	< 1 U	< 3 U	< 0.095 U	< 0.05 U	212	--
	3/24/2008	N	--	< 0.02 U	--	< 0.015 U	--	< 0.02 U	--	< 0.2 U	< 0.005 U	< 0.005 U	< 1 U	< 1 U	< 1 U	< 3 U	< 0.098 U	< 0.05 U	223	1,240
	3/19/2009	N	--	< 0.02 U	--	< 0.015 U	--	< 0.02 U	--	< 0.2 U	< 0.005 U	< 0.005 U	2.6	< 1 U	< 1 U	< 3 U	< 0.097 U	< 0.05 U	181	1,390
	8/19/2009	N	--	< 0.02 U	--	< 0.015 U	--	< 0.02 U	--	< 0.2 U	< 0.005 U	< 0.005 U	< 1 U	< 1 U	< 1 U	< 3 U	0.15	< 0.05 U	200	--
	3/10/2010	N	--	< 0.05 U	--	< 0.05 U	--	< 0.01 U	--	< 0.03 U	< 0.050 U	< 0.050 U	< 1 U	< 1 U	< 1 U	< 1 U	0.103	< 0.05 U	183	1,290
	8/10/2010	N	--	< 0.01 U	--	< 0.05 U	--	0.02	--	< 0.1 U	< 0.050 U	< 0.050 U	< 1 U	< 2 U	< 1 U	< 1 U	0.102	< 0.05 U	249	1,300
	5/21/2012	N	< 0.0100 U	--	< 0.0100 U	--	--	< 0.0100 U	< 0.200 U	--	< 0.0200 U	--	< 1.00 U	< 2.00 U	< 1.00 U	< 1.00 U	--	--	221	1,430
	10/26/2012	N	--	< 0.0100 U	--	< 0.0100 U	--	< 0.0100 U	--	< 0.200 U	< 0.0200 U	< 0.0200 U	< 1.00 U	< 2.00 U	< 1.00 U	< 1.00 U	--	--	260	1,180
	5/13/2013	N	0.0127 J	--	< 0.0100 U	--	--	< 0.0100 U	< 0.200 U	--	< 0.0200 U	--	< 1.00 U	< 2.00 U	< 1.00 U	< 1.00 U	--	--	268	1,310
	11/5/2013	N	< 0.0200 U	--	0.00495 J	--	--	< 0.0100 U	< 0.200 U	--	< 0.0200 U	--	< 1.00 U	< 2.00 U	< 1.00 U	3.27	--	--	1620	3,960
	5/9/2014	N	0.0150 J	--	< 0.0100 U	--	< 0.0100 U	--	< 0.200 U	--	< 0.0200 U	--	< 1.00 U	< 2.00 U	< 1.00 U	< 1.00 U	--	--	220	1,220
	11/4/2014	N	< 0.0200 U	--	< 0.0100 U	--	< 0.0100 U	--	< 0.200 UJ	--	< 0.0200 U	--	< 1.00 U	< 2.00 U	< 1.00 U	< 1.00 U	--	--	149	1,080
MW018	5/7/2015	N	0.0194 J	--	< 0.0100 U	--	< 0.0100 U	--	< 0.200 U	--	< 0.0200 U	--	< 1.00 U	< 2.00 U	< 1.00 U	< 1.00 U	--	--	214	1,080
	11/3/2015	N	0.0132 J	--	< 0.0100 U	--	< 0.0100 U	--	< 0.200 U	--	< 0.0200 U	--	--	--	--	--	--	--	143	979
	5/13/2016	N	0.0241	--	< 0.00136 U	--	< 0.00548 U	--	--	--	--	--	--	--	--	--	--	--	174	835
	9/20/2016	N	0.0068 J	--	0.00271 J	--	< 0.01 U	--	< 0.00616 U	--	< 0.000585 U	--	--	--	--	--	--	--	198	1,180
	5/10/2017	N	0.00994	--	< 0.004 UB	--	< 0.01 U	--	0.00457 J	--	< 0.002 U	--	--	--	--	--	--	--	210	1,120
	9/21/2017	N	0.0128	--	< 0.00400 U	--	--	< 0.0100 U	< 0.100 U	--	< 0.00200 U	--	--	--	--	--	--	--	241	1,290
	4/2/2018	Reg	--	0.00969	--	< 0.00400 U	--	< 0.0100 U	< 0.100 U	--	--	0.00133 J	--	--	--	--	--	--	660	1,900
	4/2/2018	FD	--	0.00933	--	0.000717 J	--	< 0.0100 U	< 0.100 U	--	--	0.00151 J	--	--	--	--	--	--	601	2,020
	9/13/2018	Reg	0.00937 J	--	< 0.0200 U	--	< 0.0100 U	--	--	< 0.500 U	0.00220 J	--	--	--	--	--	--	--	528	2,210
	11/7/1997	N	< 0.10 U	--	< 0.05 U	--	--	--	--	--	--	--	--	--	--	--	--	--	360	1,500
	1/19/1999	N	< 0.1 U	--	< 0.05 U	--	--	--	--	--	--	--	--	--	--	--	--	--	390	1,400
	5/17/2001	N	--	< 0.05 U	--	< 0.05 U	--	< 0.005 U	--	--	--	--	< 2 U	< 2 U	< 2 U	< 2 U	--	--	330	1,300
	1/23/2002	N	--	--	< 0.05 U	--	< 0.005 U	--	--	< 0.05 U	< 0.05 U	< 0.05 U	--	--	--	--	--	--	280	1,260
	9/4/2002	N	--	--	< 0.05 U	--	< 0.005 U	--	--	--	--	--	--	--	--	--	--	--	240	--
	12/16/2002	N	--	--	--	--	< 0.005 U	--	--	--	--	--	--	--	--	--	--	--	260	--
	3/4/2003	N	--	--	--	--	< 0.005 U	--	--	--	--	--	--	--	--	--	--	--	250	--
	5/27/2003	N	--	--	--	--	< 0.005 U	--	--	--	--	--	--	--	--	--	--	--	250	--
	12/30/2003	N	--	--	< 0.01 U	--	< 0.005 U	--	--	--	--	--	--	--	--	--	--	--	210	--
	6/16/2004	N	--	--	< 0.05 U	--	0.006	--	--	--	--	--	--	--	--	--	--	--	170	--
	12/16/2004	N	--	--	< 0.01 U	--	< 0.005 U	--	--	--	--	--	--	--	--	--	--	--	220	--
	5/31/2005	N	--	--	< 0.01 U	--	--	--	--	--	--	--	< 2 U	< 2 U	< 2 U	< 6 U	< 0.25 U	< 0.05 U	200	--
MW018A	1/20/2006	N	--	< 0.02 U	--	< 0.015 U	--	< 0.02 U	--	< 0.2 U	< 0.005 U	< 0.005 U	< 1 U	< 1 U	< 1 U	< 3 U	< 0.6 U	< 0.6 U	233	1,040
	6/29/2006	N	--	< 0.02 U	--	< 0.015 U	--	< 0.02 U	--	< 0.2 U	< 0.005 U	< 0.005 U	< 1 U	2.3	2.7	< 3 U	< 0.095 U	< 0.05 U	236	1,350
	4/2/2007	N	--	< 0.02 U	--	< 0.015 U	--	< 0.02 U	--	< 0.2 U	< 0.005 U	< 0.005 U	< 1 U	< 1 U	< 1 U	< 3 U	< 0.096 U	< 0.05 U	283	--
	9/13/2007	N	--	< 0.02 U	--	< 0.015 U	--	< 0.02 U	--	< 0.2 U	< 0.005 U	< 0.005 U	< 1 U	< 1 U	< 1 U	< 3 U	0.1	< 0.05 U	212	--
	3/24/2008	N	--	< 0.02 U	--	< 0.015 U	--	< 0.02 U	--	< 0.2 U	< 0.005 U	< 0.005 U	< 1 U	< 1 U	< 1 U	< 3 U	< 0.096 U	< 0.05 U	233	1,080
	3/17/2009	N	--	< 0.02 U	--	--	--	--	--	< 0.2 U	< 0.005 U	< 0.005 U	--	--	--	--	--	--	--	1,050
	3/18/2009	N	--	--	--	< 0.015 U	--	< 0.02 U	--	--	--	--	7.9	2.9	1.3	< 3 U	< 0.094 U	< 0.05 U	219	--
	8/21/2009	N	--	0.0209	--	< 0.015 U	--	< 0.02 U	--	< 0.2 U	< 0.005 U	< 0.005 U	< 1 U	< 1 U	< 1 U	< 3 U	< 0.096 U	< 0.05 U	304	--
	3/10/2010	N	--	< 0.05 U	--	< 0.050 U	--	< 0.01 U	--	0.071	< 0.050 U	< 0.050 U	< 1 U	< 1 U	< 1 U	< 1 U	< 0.050 U	< 0.050 U	154	968
	8/10/2010	N	--	0.015	--	< 0.050 U	--	0.012	--	< 0.1 U	< 0.050 U	< 0.050 U	< 1 U	< 2 U	< 1 U	< 1 U	0.062	< 0.050 U	140	858
	5/21/2012	N	< 0.0100 U	--	< 0.0100 U	--	--	< 0.0100 U	< 0.200 U	--	< 0.0200 U	--	< 1.00 U	< 2.00 U	< 1.00 U	< 1.00 U	--	--	219	1,180
	10/26/2012	N	--	< 0.0100 U	--	< 0.0100 U	--	< 0.0100 U	--	< 0.200 U	< 0.0200 U	< 0.0200 U	< 1.00 U	< 2.00 U	< 1.00 U	< 1.00 U	--	--	222	997
	5/13/2013	N	< 0.0200 U	--	< 0.0100 U	--	--	< 0.0100 U	< 0.200 U	--	0.0218	--	< 1.00 U	< 2.00 U	< 1.00 U	< 1.00 U	--	--	22.9	219
	11/10/1997	N	< 0.01 U	--	< 0.05 U	--	--	--	--	--	--	--	--	--	--	--	--	--	480	1,500
	1/19/1999	N	< 0.1 U	--	< 0.05 U	--	--	--	--	--	--	--	--	--	--	--	--	--	520	1,500
	1/19/1999	FD	< 0.01 U	--	< 0.05 U	--	--	--	--	--	--	--	--	--	--	--	--	--	500	1,500
	5/17/2001	N	--	< 0.05 U	--	< 0.05 U	--	< 0.005 U	--	--	--	--	< 2 U	< 2 U	< 2 U	< 2 U	--	--	490	1,450
	1/23/2002	N	--	--	< 0.05 U	--	< 0.005 U	--	--	< 0.05 U	< 0.05 U	< 0.05 U	--	--	--	--	--	--	420	1,340
	9/5/2002	N	--	--	< 0.05 U	--	< 0.005 U	--	--	--	--	--	--	--	--	--	--	--	330	--
	12/2/2002	N	--	--	< 0.05 U	--	0.013	--	--	--	--	--	--	--	--	--	--	--	360	--
	3/11/2003	N	--	--	--	--	< 0.005 U	--	--	--	--	--	--	--	--	--	--	--	350	--
	5/27/2003	N	--	--	--	--	< 0.005 U	--	--	--	--	--	--	--	--	--	--	--	380	--
	12/30/2003	N	--	--	< 0.01 U	--	< 0.005 U	--	--	--	--	--	--	--	--	--	--	--	290	--
	6/17/2004	N	--	--	< 0.05 U	--	< 0.005 U	--	--	--	--	--	--	--	--	--	--	--	290	--
	6/17/2004	FD	--	--	< 0.05 U	--	< 0.005 U	--	--	--	--	--	--	--	--	--	--	--	320	--
MW019A	12/20/2004	N	--	--	< 0.01 U	--	< 0.01 U	--	--	--	--	--	--	--	--	--	--	--	350	--
	12/20/2004	FD	--	--	< 0.01 U	--	< 0.005 U	--	--	--	--	--	--	--	--	--	--	--	340	--
	5/31/2005	N	--	--	< 0.01 U	--	--	--	--	--	--	--	--	--	--	--	--	--	340	--
	1/23/2006	N	--	< 0.02 U	--	< 0.015 U	--	< 0.02 U	--	< 0.2 U	< 0.005 U	< 0.005 U	< 1 U	< 1 U	< 1 U	< 3 U	< 0.6 U	< 0.6 U	385	1,350

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		Chemical Name	Dissolved Arsenic	Total Arsenic	Dissolved Chromium	Total Chromium	Dissolved Chromium, Hexavalent	Total Chromium, Hexavalent	Dissolved Iron	Total Iron	Dissolved Manganese	Total Manganese	Benzene	Toluene	Ethylbenzene	Total Xylenes	DRO	GRO	Chloride	TDS
		Units	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	ug/l	ug/l	ug/l	ug/l	mg/l	mg/l	mg/l	mg/l
		NMWQCC Standard	0.01	0.01	0.05	0.05	0.05	0.05	1	1	0.2	0.2	5	1,000	700	620			250	1000
Location ID	Sample Date	Sample Type																		
	6/30/2006	N	--	< 0.02 U	--	< 0.015 U	--	< 0.02 U	--	< 0.2 U	< 0.005 U	< 0.005 U	< 1 U	**2.3**	**2.2**	< 3 U	< 0.094 U	< 0.05 U	**360**	**1,190**
	4/4/2007	N	--	< 0.02 U	--	< 0.015 U	--	< 0.02 U	--	**0.212**	**0.0083**	**0.0083**	< 1 U	< 1 U	< 1 U	< 3 U	< 0.096 U	< 0.05 U	**343**	--
	9/14/2007	N	--	< 0.02 U	--	< 0.015 U	--	< 0.02 U	--	**0.486**	**0.0186**	**0.0186**	< 1 U	< 1 U	< 1 U	< 3 U	< 0.096 U	< 0.05 U	**306**	--
	3/26/2008	N	--	< 0.02 U	--	< 0.015 U	--	< 0.02 U	--	< 0.2 U	< 0.005 U	< 0.005 U	< 1 U	< 1 U	< 1 U	< 3 U	< 0.098 U	< 0.05 U	**398**	**1,180**
	8/7/2008	N	--	< 0.02 U	--	< 0.015 U	--	< 0.02 U	--	< 0.2 U	< 0.005 U	< 0.005 U	< 1 U	< 1 U	< 1 U	< 3 U	< 0.097 U	< 0.05 U	**394**	**1,220**
	3/17/2009	N	--	< 0.02 U	--	< 0.015 U	--	< 0.02 U	--	< 0.2 U	< 0.005 U	< 0.005 U	**11**	**3.9**	**1.5**	< 3 U	< 0.096 U	< 0.05 U	**321**	**1,150**
	8/21/2009	N	--	< 0.02 U	--	< 0.015 U	--	< 0.02 U	--	< 0.2 U	< 0.005 U	< 0.005 U	< 1 U	< 1 U	< 1 U	< 3 U	< 0.096 U	< 0.05 U	**491**	--
	3/16/2010	N	--	< 0.05 U	--	< 0.050 U	--	< 0.01 U	--	< 0.05 U	< 0.010 U	< 0.010 U	< 1 U	< 1 U	< 1 U	< 1 U	< 0.050 U	< 0.05 U	**231**	**1,460**
	8/16/2010	N	--	**0.022**	--	< 0.050 U	--	< 0.01 U	--	< 0.10 U	< 0.050 U	< 0.050 U	< 1 U	< 2 U	< 1 U	< 1 U	< 0.050 U	< 0.05 U	**257**	**1,190**
	5/21/2012	N	< 0.0100 U	--	< 0.0100 U	--	--	< 0.0100 U	< 0.200 U	--	< 0.0200 U	--	< 1.00 U	< 2.00 U	< 1.00 U	< 1.00 U	--	--	**354**	**1,190**
	10/26/2012	N	--	< 0.0100 U	--	< 0.0100 U	--	< 0.0100 U	--	< 0.200 U	< 0.0200 U	< 0.0200 U	< 1.00 U	< 2.00 U	< 1.00 U	< 1.00 U	--	--	**335**	**1,170**
	5/13/2013	N	**0.0137 J**	--	< 0.0100 U	--	--	< 0.0100 U	< 0.200 U	--	< 0.0200 U	--	< 1.00 U	< 2.00 U	< 1.00 U	< 1.00 U	--	--	**266**	**1,070**
	11/5/2013	N	**0.0156 J**	--	< 0.0100 U	--	--	< 0.0100 U	< 0.200 U	--	< 0.0200 U	--	< 1.00 U	< 2.00 U	< 1.00 U	< 1.00 U	--	--	**295**	**1,240**
	5/6/2014	N	< 0.0200 U	--	< 0.0100 U	--	< 0.0100 U	--	< 0.200 U	--	< 0.0200 U	--	< 1.00 U	< 2.00 U	< 1.00 U	< 1.00 U	--	--	**281**	**1,230**
	11/4/2014	N	< 0.0200 U	--	**0.000878 J**	--	< 0.0100 U	--	< 0.200 UJ	--	< 0.0200 U	--	< 1.00 U	< 2.00 U	< 1.00 U	< 1.00 U	--	--	**222**	**1,020**
MW019A	5/7/2015	N	**0.0134 J**	--	**0.00133 J**	--	< 0.0100 U	--	< 0.200 U	--	**0.00444 J**	--	< 1.00 U	< 2.00 U	< 1.00 U	< 1.00 U	--	--	**246**	**918**
	11/3/2015	N	< 0.0200 U	--	< 0.0100 U	--	< 0.0100 U	--	**0.0235 J**	--	**0.0198 J**	--	--	--	--	--	--	--	**9.29**	**151**
	5/13/2016	N	**0.0251**	--	< 0.00136 U	--	< 0.00548 U	--	--	--	--	--	--	--	--	--	--	--	**314**	**887**
	9/20/2016	N	**0.00699 J**	--	**0.00216 J**	--	< 0.01 U	--	**0.00799 J**	--	< 0.000585 U	--	--	--	--	--	--	--	**325**	**1,320**
	5/10/2017	N	**0.0106**	--	**0.00182 J**	--	< 0.01 U	--	**0.0154 J**	--	**0.00169 J**	--	--	--	--	--	--	--	**327**	**1,300**
	9/21/2017	N	**0.0134**	--	**0.000637 J**	--	--	< 0.0100 U	< 0.100 U	--	**0.000387 J**	--	--	--	--	--	--	--	**262**	**1,250**
	4/2/2018	Reg	--	**0.0125**	--	**0.000668 J**	--	< 0.0100 U	< 0.100 U	--	--	**0.00157 J**	--	--	--	--	--	--	**301**	**1,060**
	9/13/2018	Reg	**0.0116 J**	--	< 0.0200 U	--	< 0.0100 U	--	--	< 0.500 U	**0.0118**	--	--	--	--	--	--	--	**291**	**1,170**
	1/19/1999	N	< 0.1 U	--	< 0.05 U	--	--	--	--	--	--	--	--	--	--	--	--	--	**570**	**1,680**
	11/17/1999	N	--	--	< 0.05 U	--	--	--	--	--	--	--	--	--	--	--	--	--	**570**	**1,600**
	6/7/2001	N	--	< 0.05 U	--	< 0.05 U	--	< 0.005 U	--	--	--	--	< 2 U	< 2 U	< 2 U	< 2 U	--	--	**700**	**1,770**
	2/6/2002	N	--	--	< 0.05 U	--	--	**0.026**	< 0.1 U	**0.2**	< 0.05 U	< 0.05 U	--	--	--	--	--	--	**450**	**1,720**
	9/9/2002	N	--	--	< 0.05 U	--	< 0.005 U	--	--	--	--	--	--	--	--	--	--	--	**600**	--
	12/9/2002	N	--	--	< 0.05 U	--	< 0.005 U	--	--	--	--	--	--	--	--	--	--	--	**610**	--
	3/6/2003	N	--	--	--	--	< 0.005 U	--	--	--	--	--	--	--	--	--	--	--	**610**	--
	6/5/2003	N	--	--	--	--	< 0.005 U	--	--	--	--	--	--	--	--	--	--	--	**710**	--
	1/22/2004	N	--	--	< 0.01 U	--	**0.016**	--	--	--	--	--	--	--	--	--	--	--	**800**	--
	6/23/2004	N	--	--	< 0.01 U	--	< 0.005 U	--	--	--	--	--	--	--	--	--	--	--	**760**	--
	1/3/2005	N	--	--	< 0.01 U	--	< 0.005 U	--	--	--	--	--	--	--	--	--	--	--	**850**	--
	5/26/2005	N	--	--	< 0.01 U	--	--	--	--	--	--	--	--	--	--	--	--	--	**890**	--
	1/25/2006	N	--	< 0.02 U	--	< 0.015 U	--	< 0.02 U	--	< 0.2 U	< 0.005 U	< 0.005 U	< 1 U	< 1 U	< 1 U	< 3 U	< 0.6 U	< 0.6 U	**992**	**2,460**
	1/25/2006	FD	--	< 0.02 U	--	< 0.015 U	--	< 0.02 U	--	< 0.2 U	< 0.005 U	< 0.005 U	< 1 U	< 1 U	< 1 U	< 3 U	< 0.6 U	< 0.6 U	**1,010**	**2,410**
	6/30/2006	N	--	< 0.02 U	--	< 0.015 U	--	< 0.02 U	--	< 0.2 U	< 0.005 U	< 0.005 U	< 1 U	**1.2**	**1.5**	< 3 U	**0.14**	< 0.05 U	**908**	**2,370**
	4/4/2007	N	--	**0.202**	--	< 0.015 U	--	< 0.02 U	--	< 0.2 U	< 0.005 U	< 0.005 U	< 1 U	< 1 U	< 1 U	< 3 U	< 0.099 U	< 0.05 U	**824**	--
MW020	9/18/2007	N	--	< 0.02 U	--	< 0.015 U	--	< 0.02 U	--	< 0.2 U	< 0.005 U	< 0.005 U	< 1 U	< 1 U	< 1 U	< 3 U	**0.11**	< 0.05 U	**826**	--
	3/26/2008	N	--	< 0.02 U	--	< 0.015 U	--	< 0.02 U	--	**0.862**	**0.0104**	**0.0104**	< 1 U	< 1 U	< 1 U	< 3 U	**0.11**	< 0.05 U	**887**	**1,820**
	8/6/2008	N	--	< 0.02 U	--	< 0.015 U	--	< 0.02 U	--	< 0.2 U	< 0.005 U	< 0.005 U	< 1 U	< 1 U	< 1 U	< 3 U	< 0.099 U	< 0.05 U	**785**	**1,940**
	3/19/2009	N	--	< 0.02 U	--	< 0.015 U	--	< 0.02 U	--	< 0.2 U	< 0.005 U	< 0.005 U	**4.9**	**2**	< 1 U	< 3 U	**0.15**	< 0.05 U	**817**	**2,190**
	8/21/2009	N	--	< 0.02 U	--	< 0.015 U	--	< 0.02 U	--	< 0.2 U	< 0.005 U	< 0.005 U	< 1 U	< 1 U	< 1 U	< 3 U	**0.2**	< 0.05 U	**1,180**	--
	3/12/2010	N	--	< 0.05 U	--	< 0.050 U	--	**0.012**	--	**0.095**	< 0.050 U	< 0.050 U	< 1 U	< 1 U	< 1 U	< 1 U	**0.134**	< 0.05 U	**727**	**2,540**
	8/10/2010	N	--	**0.019**	--	< 0.050 U	--	< 0.01 U	--	< 0.1 U	< 0.050 U	< 0.050 U	< 1 U	< 2 U	< 1 U	< 1 U	**0.199**	< 0.05 U	**826**	**2,640**
	5/17/2012	N	< 0.0100 UJ	--	< 0.0100 U	--	--	< 0.0100 U	< 0.200 U	--	< 0.0200 U	--	< 1.00 U	< 2.00 U	< 1.00 U	< 1.00 U	--	--	**894 J**	**2,580**
	10/26/2012	N	--	< 0.0100 U	--	< 0.0100 U	--	< 0.0100 U	--	< 0.200 U	< 0.0200 U	< 0.0200 U	< 1.00 U	< 2.00 U	< 1.00 U	< 1.00 U	--	--	**917**	**2,050**
	5/13/2013	N	**0.0192 J**	--	< 0.0100 U	--	--	< 0.0100 U	< 0.200 U	--	< 0.0200 U	--	< 1.00 U	< 2.00 U	< 1.00 U	< 1.00 U	--	--	**865**	**2,420**
	5/6/2014	N	< 0.0200 U	--	< 0.0100 U	--	< 0.0100 U	--	< 0.200 U	--	< 0.0200 U	--	< 1.00 U	< 2.00 U	< 1.00 U	< 1.00 U	--	--	**741**	**2,530**
	11/4/2014	N	< 0.0200 U	--	**0.00291 J**	--	< 0.0100 U	--	< 0.200 UJ	--	< 0.0200 U	--	< 1.00 U	< 2.00 U	< 1.00 U	< 1.00 U	--	--	**670**	**2,470**
	5/7/2015	N	**0.0155 J**	--	**0.00137 J**	--	< 0.0100 U	--	< 0.200 U	--	**0.00400 J**	--	< 1.00 U	< 2.00 U	< 1.00 U	< 1.00 U	--	--	**738**	**2,150**
	11/3/2015	N	**0.0107 J**	--	< 0.0100 U	--	< 0.0100 U	--	< 0.200 U	--	< 0.0200 U	--	--	--	--	--	--	--	**745**	**2,300**
	5/16/2016	N	**0.0298**	--	< 0.00136 U	--	< 0.00548 U	--	--	--	--	--	--	--	--	--	--	--	**915**	**2,600**
	9/20/2016	N	< 0.00336 U	--	**0.00617 J**	--	< 0.01 U	--	< 0.00616 U	--	< 0.000585 U	--	--	--	--	--	--	--	**730**	**2,080**
	5/11/2017	N	**0.0105**	--	**0.00371 J**	--	< 0.01 U	--	**0.0236**	--	**0.00101 J**	--	--	--	--	--	--	--	**733**	**2,180**
	1/19/1999	N	< 0.1 U	--	< 0.05 U	--	--	--	--	--	--	--	--	--	--	--	--	--	**250**	**1000**
	6/7/2001	N	--	< 0.05 U	--	< 0.05 U	--	**0.012**	--	--	--	--	< 2 U	< 2 U	< 2 U	< 2 U	--	--	**390**	**1,330**
	2/6/2002	N	--	--	< 0.05 U	--	--	**0.014**	< 0.1 U	**0.2**	< 0.05 U	< 0.05 U	--	--	--	--	--	--	**350**	**1,320**
	9/9/2002	N	--	--	< 0.05 U	--	**0.015**	--	--	--	--	--	--	--	--	--	--	--	**340**	--
	12/9/2002	N	--	--	< 0.05 U	--	**0.022**	--	--	--	--	--	--	--	--	--	--	--	**370**	--
	3/6/2003	N	--	--	--	--	**0.012**	--	--	--	--	--	--	--	--	--	--	--	**370**	--

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		Units	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	ug/l	ug/l	ug/l	ug/l	mg/l	mg/l	mg/l	mg/l
		NMWQCC Standard	0.01	0.01	0.05	0.05	0.05	0.05	1	1	0.2	0.2	5	1,000	700	620			250	1000
Location ID	Sample Date	Sample Type																		
MW020A	6/5/2003	N	--	--	--	--	0.008	--	--	--	--	--	--	--	--	--	--	--	430	--
	1/22/2004	N	--	--	0.02	--	0.005	--	--	--	--	--	--	--	--	--	--	--	230	--
	6/22/2004	N	--	--	0.01	--	0.01	--	--	--	--	--	--	--	--	--	--	--	200	--
	1/3/2005	N	--	--	0.02	--	0.019	--	--	--	--	--	--	--	--	--	--	--	480	--
	5/31/2005	N	--	--	0.02	--	--	--	--	--	--	--	--	--	--	--	--	--	430	--
	1/24/2006	N	--	< 0.02 U	--	< 0.015 U	--	< 0.02 U	--	< 0.2 U	< 0.005 U	< 0.005 U	< 1 U	< 1 U	< 1 U	< 3 U	< 0.6 U	< 0.6 U	521	1,510
	6/30/2006	N	--	< 0.02 U	--	< 0.015 U	--	< 0.02 U	--	< 0.2 U	< 0.005 U	< 0.005 U	< 1 U	< 1 U	< 1 U	< 3 U	< 0.096 U	< 0.05 U	579	1,550
	4/4/2007	N	--	< 0.02 U	--	0.0185	--	< 0.02 U	--	0.421	0.0068	0.0068	< 1 U	< 1 U	< 1 U	< 3 U	0.12	< 0.05 U	862	--
	9/18/2007	N	--	< 0.02 U	--	< 0.015 U	--	0.024	--	< 0.2 U	< 0.005 U	< 0.005 U	< 1 U	< 1 U	< 1 U	< 3 U	0.1	< 0.05 U	708	--
	3/26/2008	N	--	< 0.02 U	--	< 0.015 U	--	< 0.02 U	--	0.347	0.0058	0.0058	< 1 U	< 1 U	< 1 U	< 3 U	< 0.096 U	< 0.05 U	789	1,570
	8/6/2008	N	--	< 0.02 U	--	< 0.015 U	--	< 0.02 U	--	< 0.2 U	< 0.005 U	< 0.005 U	< 1 U	< 1 U	< 1 U	< 3 U	< 0.098 U	< 0.05 U	867	1,950
	3/19/2009	N	--	< 0.02 U	--	0.0173	--	< 0.02 U	--	< 0.2 U	< 0.005 U	< 0.005 U	5.6	2.2	< 1 U	< 3 U	0.15	< 0.05 U	1,060	2,600
MW020A	8/21/2009	N	--	< 0.02 U	--	< 0.015 U	--	< 0.02 U	--	< 0.2 U	< 0.005 U	< 0.005 U	< 1 U	< 1 U	< 1 U	< 3 U	< 0.096 U	< 0.05 U	1,110	--
	3/12/2010	N	--	< 0.05 U	--	< 0.050 U	--	0.019	--	0.085	< 0.050 U	< 0.050 U	< 1 U	< 1 U	< 1 U	< 1 U	0.091	< 0.05 U	834	2,550
	8/10/2010	N	--	0.014	--	< 0.050 U	--	0.025	--	< 0.1 U	< 0.050 U	< 0.050 U	< 1 U	< 2 U	< 1 U	< 1 U	0.106	< 0.05 U	947	2,580
	5/17/2012	N	< 0.0100 UJ	--	< 0.0100 U	--	--	< 0.0100 U	< 0.200 U	--	< 0.0200 U	--	< 1.00 U	< 2.00 U	< 1.00 U	< 1.00 U	--	--	402 J	1,180
	10/26/2012	N	--	< 0.0100 U	--	< 0.0100 U	--	< 0.0100 U	--	< 0.200 U	< 0.0200 U	< 0.0200 U	< 1.00 U	< 2.00 U	< 1.00 U	< 1.00 U	--	--	1,040	2,470
	5/13/2013	N	0.0109 J	--	0.00787 J	--	--	< 0.0100 U	0.0337 J	--	< 0.0200 U	--	< 1.00 U	< 2.00 U	< 1.00 U	< 1.00 U	--	--	958	2,320
	11/4/2013	N	< 0.0200 U	--	0.00735 J	--	--	< 0.0100 U	< 0.200 U	--	< 0.0200 U	--	< 1.00 U	< 2.00 U	< 1.00 U	2.11	--	--	960	3,090
	5/6/2014	N	< 0.0200 U	--	< 0.0100 U	--	--	< 0.0100 U	< 0.200 U	--	< 0.0200 U	--	< 1.00 U	< 2.00 U	< 1.00 U	< 1.00 U	--	--	951	3,140
	11/4/2014	N	< 0.0200 U	--	0.0173	--	--	0.00960 J	< 0.200 UJ	--	0.0150 J	--	< 1.00 U	< 2.00 U	< 1.00 U	< 1.00 U	--	--	441	1,680
	5/7/2015	N	0.0137 J	--	0.00825 J	--	--	0.00650 J	< 0.200 U	--	< 0.0200 U	--	< 1.00 U	< 2.00 U	< 1.00 U	< 1.00 U	--	--	953	2,850
	11/3/2015	N	0.00913 J	--	0.00551 J	--	--	< 0.0100 U	< 0.200 U	--	< 0.0200 U	--	--	--	--	--	--	--	462	1,570
	5/16/2016	N	0.0308	--	< 0.00136 U	--	0.0065 J	--	--	--	--	--	--	--	--	--	--	--	1,310	2,720
	9/20/2016	N	< 0.00336 U	--	0.0103	--	< 0.01 U	--	< 0.00616 U	--	< 0.000585 U	--	--	--	--	--	--	--	1,030	2,800
	5/11/2017	N	0.00893	--	0.00723	--	0.0029 J	--	0.00408 J	--	0.000342 J	--	--	--	--	--	--	--	1,070	2,410
	9/21/2017	N	0.0108	--	0.00696 J	--	--	< 0.0100 U	< 0.100 U	--	< 0.00200 U	--	--	--	--	--	--	--	1,010	2,700
	4/2/2018	Reg	--	0.0101	--	0.00589	--	< 0.0100 U	< 0.100 U	--	--	0.00115 J	--	--	--	--	--	--	1,130	2,180
	9/13/2018	Reg	0.0112 J	--	0.00675 J	--	< 0.0100 U	--	--	< 0.500 U	0.00217 J	--	--	--	--	--	--	--	961	2,370
MW021	1/18/1999	N	< 0.1 U	--	< 0.05 U	--	--	--	--	--	--	--	< 1 U	< 1 U	< 1 U	< 1 U	--	--	740	2,700
	11/17/1999	N	--	--	< 0.05 U	--	--	--	--	--	--	--	< 1 U < 5 U	< 1 U < 5 U	< 1 U < 5 U	< 1 U < 5 U	--	--	780	3,100
	5/18/2001	N	--	< 0.05 U	--	< 0.05 U	--	< 0.005 U	--	--	--	--	< 2 U	< 2 U	< 2 U	< 2 U	--	--	660	2,630
	1/23/2002	N	--	--	< 0.05 U	--	< 0.005 U	--	< 0.1 U	< 0.1 U	0.11	0.1	< 2 U	< 2 U	< 2 U	< 2 U	< 0.25 U	< 0.05 U	250	2,420
	9/5/2002	N	--	--	< 0.05 U	--	< 0.005 U	--	--	--	--	--	--	--	--	--	--	--	370	--
	12/11/2002	N	--	--	< 0.05 U	--	< 0.005 U	--	--	--	--	--	< 2 U	< 2 U	< 2 U	< 2 U	< 0.5 U	< 0.05 U	410	--
	3/5/2003	N	--	--	--	--	< 0.005 U	--	--	--	--	--	< 2 U	< 2 U	< 2 U	< 2 U	< 0.25 U	< 0.05 U	390	--
	5/21/2003	N	--	--	--	--	< 0.005 U	--	--	--	--	--	< 2 U	< 2 U	< 2 U	< 2 U	< 0.24 U	< 0.05 U	480	--
	1/21/2004	N	--	--	< 0.01 U	--	< 0.005 U	--	--	--	--	--	< 2 U	< 2 U	< 2 U	< 6 U	< 0.25 U	< 0.05 U	180	--
	6/22/2004	N	--	--	< 0.01 U	--	< 0.005 U	--	--	--	--	--	< 2 U	< 2 U	< 2 U	< 6 U	< 0.25 U	< 0.05 U	160	--
	12/21/2004	N	--	--	< 0.01 U	--	< 0.01 U	--	--	--	--	--	< 2 U	< 2 U	< 2 U	< 6 U	0.63	< 0.05 U	320	--
	5/27/2005	N	--	--	< 0.01 U	--	--	--	--	--	--	--	< 2 U	< 2 U	3	< 6 U	0.4	< 0.05 U	290	--
	1/24/2006	N	--	0.0202	--	< 0.015 U	--	< 0.02 U	--	0.374	0.215	0.215	< 1 U	< 1 U	< 1 U	< 3 U	< 0.6 U	< 0.6 U	272	1,680
	6/30/2006	N	--	< 0.02 U	--	< 0.015 U	--	< 0.02 U	--	< 0.2 U	0.15	0.15	< 1 U	< 1 U	< 1 U	< 3 U	0.78	< 0.05 U	346	1,800
	4/9/2007	N	--	< 0.02 U	--	< 0.015 U	--	< 0.02 U	--	< 0.2 U	0.173	0.173	< 1 U	< 1 U	< 1 U	< 3 U	0.46	< 0.05 U	215	--
	9/19/2007	N	--	< 0.02 U	--	< 0.015 U	--	< 0.02 U	--	< 0.2 U	0.173	0.173	< 1 U	< 1 U	< 1 U	< 3 U	0.38	< 0.05 U	242	--
	4/1/2008	N	--	0.0276	--	< 0.015 U	--	< 0.02 U	--	< 0.2 U	0.231	0.231	17	3.9	1.5	< 3 U	0.57	0.054	234	1,540
	8/7/2008	N	--	< 0.02 U	--	< 0.015 U	--	< 0.02 U	--	< 0.2 U	0.198	0.198	< 1 U	< 1 U	< 1 U	< 3 U	0.51	< 0.05 U	197	1,530
	3/24/2009	N	--	< 0.02 U	--	< 0.015 U	--	< 0.02 U	--	< 0.2 U	0.396	0.396	< 1 U	< 1 U	< 1 U	< 3 U	0.52	< 0.05 U	216	1,460
	8/6/2009	N	--	< 0.02 U	--	< 0.015 U	--	< 0.02 U	--	< 0.2 U	0.172	0.172	< 1 U	< 1 U	< 1 U	< 3 U	0.67	< 0.05 U	193	1,490
	3/2/2010	N	--	< 0.05 U	--	< 0.05 U	--	< 0.01 U	--	0.102	0.291	0.291	< 1 U	< 2 U	< 1 U	< 1 U	0.206	< 0.05 U	148	1,900
	8/16/2010	N	--	0.026	--	< 0.05 U	--	< 0.01 U	--	< 0.1 U	0.099	0.099	< 1 U	< 2 U	< 1 U	< 1 U	0.5	< 0.05 U	113	1,700
	5/23/2012	N	< 0.0100 UJ	--	< 0.0100 U	--	--	< 0.0100 U	< 0.200 U	--	1.13	--	< 1.00 U	< 2.00 U	< 1.00 U	< 1.00 U	--	--	65.3	841
	11/1/2012	N	--	< 0.0100 U	--	< 0.0100 U	--	< 0.0100 U	--	< 0.200 U	1.52	1.52	< 1.00 U	< 2.00 U	< 1.00 U	< 1.00 U	--	--	80.3	900
	1/18/1999	N	< 0.10 U	--	0.05	--	--	--	--	--	--	--	< 1 U	< 1 U	< 1 U	< 1 U	--	--	7,000	9,200
	1/20/1999	N	--	--	< 0.05 U	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	5/23/2001	N	--	< 0.05 U	--	< 0.05 U	--	0.022	--	--	--	--	< 2 U	< 2 U	< 2 U	< 2 U	--	--	7,000	13,400
	1/24/2002	N	--	--	< 0.05 U	--	0.006	--	< 0.1 U	< 0.1 U	< 0.05 U	< 0.05 U	< 2 U	< 2 U	< 2 U	< 2 U	< 0.25 U	< 0.05 U	5,800	9,900
	9/5/2002	N	--	--	< 0.05 U	--	0.012	--	--	--	--	--	--	--	--	--	--	--	4,900	--
	12/11/2002	N	--	--	< 0.05 U	--	0.009	--	--	--	--	--	--	--	--	--	--	--	5,800	--
	3/11/2003	N	--	--	--	--	0.01	--	--	--	--	--	--	--	--	--	--	--	5,300	--
	5/21/2003	N	--	--	--	--	< 0.005 U	--	--	--	--	--	--	--	--	--	--	--	5,900	--

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Appendix E
Historical Analytical Data (through 2017)
2021 Annual Groundwater Monitoring Report
Former Eunice North Gas Plant

ARCADIS Design & Consultancy for natural and built assets

Location ID	Sample Date	Sample Type	Chemical Name	Dissolved Arsenic	Total Arsenic	Dissolved Chromium	Total Chromium	Dissolved Chromium, Hexavalent	Total Chromium, Hexavalent	Dissolved Iron	Total Iron	Dissolved Manganese	Total Manganese	Benzene	Toluene	Ethylbenzene	Total Xylenes	DRO	GRO	Chloride	TDS
			Units	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	ug/l	ug/l	ug/l	ug/l	mg/l	mg/l	mg/l	mg/l
			NMWQCC Standard	0.01	0.01	0.05	0.05	0.05	0.05	1	1	0.2	0.2	5	1,000	700	620			250	1000
MW021A	1/21/2004	N		--	--	< 0.01 U	--	< 0.005 U	--	--	--	--	--	--	--	--	--	--	--	3,800	--
	6/22/2004	N		--	--	< 0.01 U	--	< 0.005 U	--	--	--	--	--	--	--	--	--	--	--	3,400	--
	12/21/2004	N		--	--	0.04	--	0.022	--	--	--	--	--	--	--	--	--	--	--	400	--
	6/6/2005	N		--	--	0.03	--	--	--	--	--	--	--	--	--	--	--	--	--	7,600	--
	1/24/2006	N		--	< 0.02 U	--	0.0307	--	0.026	--	< 0.2 U	0.0103	0.0103	< 1 U	< 1 U	< 1 U	< 3 U	< 0.6 U	< 0.6 U	6,110	12,300
	6/30/2006	N		--	< 0.02 U	--	0.0326	--	0.033	--	< 0.2 U	0.0077	0.0077	< 1 U	< 1 U	< 1 U	< 3 U	0.4	< 0.05 U	7,720	14,000
	4/9/2007	N		--	< 0.02 U	--	< 0.015 U	--	< 0.020 U	--	< 0.2 U	0.0112	0.0112	< 1 U	< 1 U	< 1 U	< 3 U	1.2	< 0.05 U	3,350	--
	9/19/2007	N		--	< 0.02 U	--	0.0261	--	0.027	--	< 0.2 U	0.0139	0.0139	< 1 U	< 1 U	< 1 U	< 3 U	0.56	< 0.05 U	6,180	--
	4/1/2008	N		--	< 0.02 U	--	0.0365	--	0.023	--	< 0.2 U	0.0158	0.0158	31	5.7	1.7	< 3 U	0.7	0.091	6,440	11,900
	3/24/2009	N		--	< 0.02 U	--	0.0264	--	< 0.020 U	--	< 0.2 U	0.0152	0.0152	< 1 U	< 1 U	< 1 U	< 3 U	0.56	< 0.05 U	6,370	11,300
	8/6/2009	N		--	< 0.02 U	--	0.0318	--	0.031	--	< 0.2 U	0.0114	0.0114	< 1 U	< 1 U	< 1 U	< 3 U	0.81	0.054	6,020	13,300
	3/2/2010	N		--	< 0.05 U	--	< 0.05 U	--	0.03	--	0.197	< 0.050 U	< 0.050 U	< 1 U	< 2 U	< 1 U	< 1 U	0.488	< 0.05 U	7,720	19,100
	8/16/2010	N		--	0.034	--	< 0.05 U	--	0.023	--	< 0.1 U	< 0.050 U	< 0.050 U	< 1 U	< 2 U	< 1 U	< 1 U	0.67	< 0.05 U	5,030	10,900
	5/17/2012	N		< 0.0100 UJ	--	< 0.0100 U	--	--	< 0.0100 U	< 0.200 U	--	< 0.0200 U	--	< 1.00 U	< 2.00 U	< 1.00 U	< 1.00 U	--	--	3000 J	7,000
MW021A	11/8/2012	N		--	< 0.0100 U	--	< 0.0100 U	--	< 0.0100 U	--	< 0.200 U	0.705	0.705	< 1.00 U	< 2.00 U	< 1.00 U	< 1.00 U	--	--	74.8	1,040
	11/1/2013	N		0.0107 J	--	0.00442 J	--	--	< 0.0100 U	< 0.200 U	--	< 0.0200 U	--	< 1.00 U	< 2.00 U	< 1.00 U	< 1.00 U	--	--	2,760	6,560
	5/16/2014	N		0.0195 J	--	0.0115	--	--	< 0.0100 U	< 0.200 U	--	0.0122 J	--	< 1.00 U	< 2.00 U	< 1.00 U	< 1.00 U	--	--	740	9,270
	11/13/2014	N		0.0139 J	--	0.00655 J	--	--	< 0.0100 U	< 0.200 U	--	< 0.0200 U	--	< 1.00 U	< 2.00 U	< 1.00 U	< 1.00 U	--	--	2,280	5,570
	5/11/2015	N		< 0.0200 U	--	0.00279 J	--	--	< 0.0100 U	< 0.200 U	--	< 0.0200 U	--	< 1.00 U	< 2.00 U	< 1.00 U	< 1.00 U	--	--	2,580	5,690
	11/12/2015	N		< 0.0200 U	--	0.00249 J	--	--	< 0.0100 U	< 0.200 U	--	< 0.0200 U	--	--	--	--	--	--	--	2,570	5,550
	5/19/2016	N		0.0259	--	0.01 J	--	< 0.00548 U	--	--	--	--	--	--	--	--	--	--	--	2,130	5,670
	9/20/2016	N		0.0217	--	0.0349	--	< 0.01 U	--	0.0456 J	--	0.0179 J	--	--	--	--	--	--	--	2,520	6,220
	5/10/2017	N		0.00938	--	0.00422	--	< 0.01 U	--	0.0123 J	--	0.0724	--	--	--	--	--	--	--	2,530	5,210
	9/22/2017	N		0.0117	--	0.00429	--	< 0.01 U	--	< 0.1 U	--	0.0106	--	--	--	--	--	--	--	2,210	5,830
	4/3/2018	Reg		--	0.0106	--	0.00392 J	--	< 0.0100 U	< 0.100 U	--	--	0.0159 J	--	--	--	--	--	--	2,640	4,240
	9/12/2018	REG		0.0106	--	0.00352 J	--	< 0.0100 U	--	--	< 0.100 U	0.0108	--	--	--	--	--	--	--	2,330	5,170
MW022A	1/18/1999	N		< 0.10 U	--	0.13	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	1/21/1999	N		--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	350	1,200
	5/23/2001	N		--	< 0.05 U	--	< 0.05 U	--	0.027	--	--	--	--	< 2 U	< 2 U	< 2 U	< 2 U	--	--	930	2,200
	1/24/2002	N		--	--	< 0.05 U	--	0.03	--	3.3	4.1	0.13	0.17	< 2 U	< 2 U	< 2 U	< 2 U	< 0.25 U	< 0.05 U	490	1,590
	9/5/2002	N		--	--	< 0.05 U	--	0.053	--	--	--	--	--	--	--	--	--	--	--	400	--
	12/16/2002	N		--	--	--	--	0.03	--	--	--	--	--	--	--	--	--	--	--	530	--
	3/12/2003	N		--	--	--	--	0.036	--	--	--	--	--	--	--	--	--	--	--	560	--
	5/29/2003	N		--	--	--	--	0.027	--	--	--	--	--	--	--	--	--	--	--	510	--
	1/22/2004	N		--	--	0.04	--	0.013	--	--	--	--	--	--	--	--	--	--	--	490	--
	6/23/2004	N		--	--	0.03	--	0.033	--	--	--	--	--	--	--	--	--	--	--	440	--
	1/6/2005	N		--	--	0.04	--	0.02	--	--	--	--	--	--	--	--	--	--	--	460	--
	6/3/2005	N		--	--	0.09	--	--	--	--	--	--	--	--	--	--	--	--	--	510	--
	1/24/2006	N		--	< 0.02 U	--	0.0217	--	< 0.02 U	--	< 0.2 U	0.0058	0.0058	< 1 U	< 1 U	< 1 U	< 3 U	< 0.6 U	< 0.6 U	70.5	439
	7/6/2006	N		--	< 0.02 U	--	< 0.015 U	--	< 0.02 U	--	< 0.2 U	< 0.005 U	< 0.005 U	< 1 U	< 1 U	< 1 U	< 3 U	< 0.095 U	< 0.05 U	65.2	212
	3/30/2007	N		--	< 0.02 U	--	0.0181	--	< 0.02 U	--	0.28	0.0112	0.0112	< 1 U	< 1 U	< 1 U	< 3 U	< 0.096 U	< 0.05 U	69	--
	9/14/2007	N		--	< 0.02 U	--	0.0211	--	< 0.02 U	--	0.508	0.0219	0.0219	< 1 U	< 1 U	< 1 U	< 3 U	< 0.096 U	< 0.05 U	61.3	--
	4/2/2008	N		--	< 0.02 U	--	0.0305	--	< 0.02 U	--	0.607	0.0216	0.0216	24	4.9	1.5	< 3 U	< 0.095 U	0.068	67.9	449
	8/13/2008	N		--	< 0.02 U	--	0.0306	--	0.026	--	< 0.2 U	0.0143	0.0143	< 1 U	< 1 U	< 1 U	< 3 U	< 0.1 U	< 0.05 U	75.3	437
	3/18/2009	N		--	< 0.02 U	--	0.0275	--	0.022	--	< 0.2 U	0.0059	0.0059	3.6	1.6	< 1 U	< 3 U	< 0.097 U	< 0.05 U	61	445
	8/25/2009	N		--	--	--	0.0315	--	0.026	--	--	--	--	< 1 U	< 1 U	2.6	< 3 U	< 0.096 U	< 0.05 U	68.7	--
	3/11/2010	N		--	< 0.05 U	--	< 0.05 U	--	0.048	--	0.071	< 0.05 U	< 0.05 U	< 1 U	< 1 U	< 1 U	< 1 U	< 0.051 U	< 0.05 U	44	336
	8/18/2010	N		--	0.013	--	< 0.05 U	--	0.06	--	< 0.1 U	< 0.05 U	< 0.05 U	1.4	2.7	< 1 U	< 1 U	0.255	< 0.05 U	41.2	478
	5/23/2012	N		< 0.0100 UJ	--	0.0408	--	--	0.0356	< 0.200 U	--	< 0.0200 U	--	< 1.00 U	< 2.00 U	< 1.00 U	< 1.00 U	--	--	62.9	428
	11/9/2012	N		--	< 0.0100 U	--	0.073	--	0.058	--	< 0.200 U	< 0.0200 U	< 0.0200 U	< 1.00 U	< 2.00 U	< 1.00 U	< 1.00 U	--	--	62.9	376
	5/21/2013	N		< 0.0200 U	--	0.0389	--	--	0.0348	< 0.200 U	--	< 0.0200 U	--	< 1.00 U	< 2.00 U	< 1.00 U	< 1.00 U	--	--	59.6	412
	5/23/1999	N		--	--	2	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	6/23/1999	N		--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	910	3,500
	11/18/1999	N		--	--	2.56	--	--	--	--	--	--	--	--	--	--	--	--	--	1,100	4,100
	1/7/2000	N		--	--	2.8	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	5/29/2001	N		--	< 0.05 U	--	2.76 2.55	--	< 0.005 U 0.015	--	--	--	--	< 2 U	< 2 U	< 2 U	< 2 U	--	--	1,100	4,390
	5/29/2001	FD		--	< 0.05 U	--	2.73	--	< 0.005 U	--	--	--	--	< 2 U	< 2 U	< 2 U	< 2 U	--	--	1,100	4,420
	8/30/2001	N		--	--	2.5 2.39	2.29 2.3	1.5 1.8	2.5 2	< 0.1 U	< 0.1 U	--	--	--	--	--	--	--	--	--	--
	9/27/2001	N		--	--	2.52	--	1.9	--	--	--	--	--	--	--	--	--	--	--	--	--
	2/7/2002	N		--	--	2.96	--	1.9	--	< 0.1 U	< 0.1 U	< 0.05 U	< 0.05 U	--	--	--	--	--	--	1,300	4,300

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		Chemical Name	Dissolved Arsenic	Total Arsenic	Dissolved Chromium	Total Chromium	Dissolved Chromium, Hexavalent	Total Chromium, Hexavalent	Dissolved Iron	Total Iron	Dissolved Manganese	Total Manganese	Benzene	Toluene	Ethylbenzene	Total Xylenes	DRO	GRO	Chloride	TDS
		Units	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	ug/l	ug/l	ug/l	ug/l	mg/l	mg/l	mg/l	mg/l
		NMWQCC Standard	0.01	0.01	0.05	0.05	0.05	0.05	1	1	0.2	0.2	5	1,000	700	620			250	1000
Location ID	Sample Date	Sample Type																		
MW023	9/17/2002	FD	--	--	0.43	--	0.21	--	--	--	--	--	--	--	--	--	--	--	690	--
	9/18/2002	N	--	--	2.41	--	1.3	--	--	--	--	--	--	--	--	--	--	--	1,150	--
	12/16/2002	N	--	--	--	--	1.9	--	--	--	--	--	--	--	--	--	--	--	1,300	--
	12/16/2002	FD	--	--	--	--	2	--	--	--	--	--	--	--	--	--	--	--	1,300	--
	3/26/2003	N	--	--	--	--	1.4	--	--	--	--	--	--	--	--	--	--	--	1,300	--
	3/26/2003	FD	--	--	--	--	1.4	--	--	--	--	--	--	--	--	--	--	--	1,300	--
	5/28/2003	N	--	--	--	--	2	--	--	--	--	--	--	--	--	--	--	--	1,300	--
	5/28/2003	FD	--	--	--	--	1.99	--	--	--	--	--	--	--	--	--	--	--	1,300	--
	1/21/2004	N	--	--	1.57	--	0.8	--	--	--	--	--	< 2 U	< 2 U	< 2 U	< 6 U	< 0.25 U	< 0.05 U	1,240	--
	1/21/2004	FD	--	--	1.53	--	0.6	--	--	--	--	--	< 2 U	< 2 U	< 2 U	< 6 U	< 0.26 U	< 0.05 U	1,240	--
	7/7/2004	N	--	--	0.99	--	0.58	--	--	--	--	--	--	--	--	--	--	--	1,200	--
	1/12/2005	N	--	--	1.21	--	0.7	--	--	--	--	--	--	--	--	--	--	--	1,290	--
	6/1/2005	N	--	--	0.72	--	--	--	--	--	--	--	< 2 U	< 2 U	< 2 U	< 6 U	< 0.25 U	< 0.05 U	1,210	--
	1/26/2006	N	--	< 0.02 U	--	0.459	--	0.43	--	< 0.2 U	< 0.005 U	< 0.005 U	< 1 U	< 1 U	< 1 U	< 3 U	< 0.6 U	< 0.6 U	1,290	4,070
	6/26/2006	N	--	< 0.02 U	--	0.549	--	0.55	--	< 0.2 U	< 0.005 U	< 0.005 U	< 1 U	< 1 U	< 1 U	< 3 U	0.1	< 0.05 U	1,180	3,780
	4/18/2007	N	--	< 0.02 U	--	1.33	--	1.2	--	< 0.2 U	< 0.005 U	< 0.005 U	< 1 U	< 1 U	< 1 U	< 3 U	< 0.095 U	< 0.05 U	965	--
	9/21/2007	N	--	0.0212	--	1.65	--	1.6	--	< 0.2 U	< 0.005 U	< 0.005 U	< 1 U	< 1 U	< 1 U	< 3 U	< 0.1 U	< 0.05 U	975	--
	4/9/2008	N	--	< 0.02 U	--	1.66	--	1.7	--	< 0.2 U	< 0.005 U	< 0.005 U	4.8	1.2	< 1 U	< 3 U	< 0.097 U	< 0.05 U	862	3,660
	8/21/2008	N	--	< 0.02 U	--	1.62	--	1.7	--	< 0.2 U	< 0.005 U	< 0.005 U	< 1 U	< 1 U	< 1 U	< 3 U	< 0.099 U	< 0.05 U	879	3,920
	3/31/2009	N	--	< 0.02 U	--	1.69	--	1.7	--	< 0.2 U	< 0.005 U	< 0.005 U	< 1 U	< 1 U	< 1 U	< 3 U	< 0.096 U	< 0.05 U	949	3,940
	8/12/2009	N	--	0.0218	--	1.69	--	1.6	--	< 0.2 U	< 0.005 U	< 0.005 U	< 1 U	< 1 U	< 1 U	< 3 U	< 0.096 U	< 0.05 U	771	3,890
	3/9/2010	N	--	< 0.05 U	--	1.62	--	1.87	--	0.067	< 0.050 U	< 0.050 U	< 1 U	< 1 U	< 1 U	< 1 U	0.117	< 0.05 U	787	3,660
	8/6/2010	N	--	< 0.01 U	--	1.44	--	< 0.10 U	--	< 0.1 U	< 0.050 U	< 0.050 U	< 1 U	< 2 U	< 1 U	< 1 U	< 0.052 U	< 0.05 U	760	3,640
	5/24/2012	N	< 0.0100 U	--	1.86	--	--	1.96	< 0.200 U	--	< 0.0200 U	--	< 1.00 U	< 2.00 U	< 1.00 U	< 1.00 U	--	--	810	3,720
	11/6/2012	N	--	< 0.0100 U	--	1.41	--	1.33	--	< 0.200 U	< 0.0200 U	< 0.0200 U	< 1.00 U	< 2.00 U	< 1.00 U	< 1.00 U	--	--	802	3,650
MW023	5/21/2013	N	< 0.0200 U	--	1.11	--	--	0.958	< 0.200 UJ	--	< 0.0200 U	--	< 1.00 U	< 2.00 U	< 1.00 U	< 1.00 U	--	--	767	3,500
	10/31/2013	N	0.0198 J	--	1.37	--	--	1.42 J	< 0.200 U	--	0.0266	--	< 1.00 U	< 2.00 U	< 1.00 U	< 1.00 U	--	--	762	3,680
	5/8/2014	N	0.0165 J	--	1.6	--	--	1.55	< 0.200 U	--	< 0.0200 U	--	< 1.00 U	< 2.00 U	< 1.00 U	< 1.00 U	--	--	812	3,440
	11/7/2014	N	0.0223	--	1.14	--	--	0.968	< 0.200 U	--	0.0291	--	< 1.00 U	< 2.00 U	< 1.00 U	< 1.00 U	--	--	776	3850 J
	5/27/2015	N	0.0153 J	--	0.00318 J	--	--	< 0.0100 U	< 0.200 U	--	< 0.0200 U	--	< 1.00 U	< 2.00 U	< 1.00 U	< 1.00 U	--	--	43	493
	11/9/2015	N	< 0.0200 U	--	1.01	--	--	0.955	< 0.200 U	--	< 0.0200 U	--	--	--	--	--	--	--	766	3,470
	5/20/2016	N	0.00922 J	--	1.18	--	1.28	--	--	--	--	--	--	--	--	--	--	--	672	4,120
	5/20/2016	FD	0.00928 J	--	1.27	--	1.58	--	--	--	--	--	--	--	--	--	--	--	665	4,090
	9/21/2016	N	< 0.00336 U	--	1.03	--	1.36	--	< 0.00616 U	--	< 0.000585 U	--	--	--	--	--	--	--	790	3,680
	5/11/2017	N	0.00749	--	1.09	--	1.05	--	0.00308 J	--	0.000372 J	--	--	--	--	--	--	--	798	3,180
	9/21/2017	N	0.01	--	1.32 J	--	--	1.09	< 0.100 U	--	< 0.00200 U	--	--	--	--	--	--	--	739	3,540
	3/29/2018	Reg	--	0.00928	--	1.42	--	1.31	< 0.1	--	--	0.000486 J	--	--	--	--	--	--	747	2,800
	9/13/2018	Reg	0.00933	--	1.72	--	1.43	--	--	< 0.100 U	< 0.00200 U	--	--	--	--	--	--	--	785	3,160
MW023A	1/9/2003	N	--	< 0.05 U	< 0.05 U	--	0.006	--	--	--	--	--	< 2 U	9	< 2 U	< 2 U	< 0.25 U	< 0.05 U	52	500
	3/11/2003	N	--	--	--	--	< 0.005 U	--	--	--	--	--	< 2 U	< 2 U	< 2 U	< 2 U	< 0.25 U	< 0.05 U	52	--
	5/28/2003	N	--	--	--	--	< 0.005 U	--	--	--	--	--	--	--	--	--	--	--	27	--
	1/15/2004	N	--	--	< 0.01 U	--	< 0.005 U	--	--	--	--	--	--	--	--	--	--	--	60	--
	6/16/2004	N	--	--	< 0.05 U	--	< 0.005 U	--	--	--	--	--	--	--	--	--	--	--	50	--
	12/14/2004	N	--	--	< 0.01 U	--	0.005	--	--	--	--	--	--	--	--	--	--	--	60	--
	6/2/2005	N	--	--	< 0.01 U	--	--	--	--	--	--	--	--	--	--	--	--	--	60	--
	1/20/2006	N	--	0.0246	--	< 0.015 U	--	< 0.02 U	--	< 0.2 U	< 0.005 U	< 0.005 U	< 1 U	< 1 U	< 1 U	< 3 U	< 0.6 U	< 0.6 U	50.1	516
	1/20/2006	FD	--	0.0251	--	< 0.015 U	--	< 0.02 U	--	< 0.2 U	< 0.005 U	< 0.005 U	< 1 U	< 1 U	< 1 U	< 3 U	< 0.6 U	< 0.6 U	50.5	520
	6/26/2006	N	--	< 0.02 U	--	< 0.015 U	--	< 0.02 U	--	< 0.2 U	< 0.005 U	< 0.005 U	< 1 U	< 1 U	< 1 U	< 3 U	< 0.095 U	< 0.05 U	48.5	506
	3/29/2007	N	--	< 0.02 U	--	< 0.015 U	--	< 0.02 U	--	< 0.2 U	< 0.005 U	< 0.005 U	< 1 U	< 1 U	< 1 U	< 3 U	< 0.096 U	< 0.05 U	48.4	--
	9/11/2007	N	--	0.0287	--	--	--	--	--	< 0.2 U	< 0.005 U	< 0.005 U	--	--	--	--	--	--	--	--
	9/12/2007	N	--	--	--	< 0.015 U	--	< 0.02 U	--	--	--	--	< 1 U	< 1 U	< 1 U	< 3 U	< 0.096 U	< 0.05 U	46.2	--
	3/25/2008	N	--	< 0.02 U	--	< 0.015 U	--	< 0.02 U	--	< 0.2 U	< 0.005 U	< 0.005 U	< 1 U	< 1 U	< 1 U	< 3 U	< 0.096 U	< 0.05 U	52.2	524
	8/12/2008	N	--	< 0.02 U	--	< 0.015 U	--	< 0.02 U	--	< 0.2 U	0.0073	0.0073	< 1 U	< 1 U	< 1 U	< 3 U	< 0.1 U	< 0.05 U	52.3	502
	3/18/2009	N	--	< 0.02 U	--	< 0.015 U	--	< 0.02 U	--	< 0.2 U	< 0.005 U	< 0.005 U	31	7.3	2	< 3 U	0.099	0.094	46.6	520
	8/20/2009	N	--	< 0.02 U	--	< 0.015 U	--	< 0.02 U	--	< 0.2 U	< 0.005 U	< 0.005 U	< 1 U	< 1 U	< 1 U	< 3 U	< 0.095 U	< 0.05 U	50.6	526
	3/17/2010	N	--	< 0.05 U	--	< 0.050 U	--	< 0.01 U	--	< 0.03 U	< 0.050 U	< 0.050 U	< 1 U	< 1 U	< 1 U	< 1 U	0.09	< 0.05 U	45.4	552
	8/16/2010	N	--	0.028	--	< 0.050 U	--	0.018	--	< 0.10 U	< 0.050 U	< 0.050 U	< 1 U	< 2 U	< 1 U	< 1 U	< 0.050 U	< 0.05 U	37.5	546
	5/24/2012	N	< 0.0100 U	--	0.0206	--	--	< 0.0100 U	< 0.200 U	--	< 0.0200 U	--	< 1.00 U	< 2.00 U	< 1.00 U	< 1.00 U	--	--	46.7	595
	10/30/2012	N	--	< 0.0100 U	--	< 0.0100 U	--	< 0.0100 U	--	< 0.200 U	< 0.0200 U	< 0.0200 U	< 1.00 U	< 2.00 U	< 1.00 U	< 1.00 U	--	--	46.9	525
	5/20/2013	N	0.0189 J	--	< 0.0100 U	--	--	< 0.0100 U	< 0.200 U	--	< 0.0200 U	--	< 1.00 U	< 2.00 U	< 1.00 U	< 1.00 U	--	--	45.1	473
	5/20/2013	FD	0.0188 J	--	< 0.0100 U	--	--	< 0.0100 U	< 0.200 U	--	< 0.0200 U	--	< 1.00 U	< 2.00 U	< 1.00 U	< 1.00 U	--	--	46.5	494
	10/31/2013	N	0.0169 J	--	0.00591 J	--	--	< 0.0100 U	< 0.200 U	--	0.00877 J	--	< 1.00 U	< 2.00 U	< 1.00 U	< 1.00 U	--	--	45.7	1,980

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		Chemical Name	Dissolved Arsenic	Total Arsenic	Dissolved Chromium	Total Chromium	Dissolved Chromium, Hexavalent	Total Chromium, Hexavalent	Dissolved Iron	Total Iron	Dissolved Manganese	Total Manganese	Benzene	Toluene	Ethylbenzene	Total Xylenes	DRO	GRO	Chloride	TDS
		Units	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	ug/l	ug/l	ug/l	ug/l	mg/l	mg/l	mg/l	mg/l
		NMWQCC Standard	0.01	0.01	0.05	0.05	0.05	0.05	1	1	0.2	0.2	5	1,000	700	620			250	1000
Location ID	Sample Date	Sample Type																		
	5/8/2014	N	**0.0175 J**	--	**0.00352 J**	--	--	< 0.0100 U	< 0.200 U	--	**0.00892 J**	--	< 1.00 U	< 2.00 U	< 1.00 U	< 1.00 U	--	--	**54.2**	**486 J**
	11/7/2014	N	**0.00758 J**	--	**0.00472 J**	--	--	< 0.0100 U	< 0.200 U	--	< 0.0200 U	--	< 1.00 U	< 2.00 U	< 1.00 U	< 1.00 U	--	--	**50.4**	**688 J**
	5/27/2015	N	**0.0106 J**	--	**1.98**	--	--	**2.02**	< 0.200 U	--	< 0.0200 U	--	< 1.00 U	< 2.00 U	< 1.00 U	< 1.00 U	--	--	**823**	**3,920**
	5/27/2015	FD	**0.00728 J**	--	**1.83**	--	--	**2.13**	< 0.200 U	--	< 0.0200 U	--	< 1.00 U	< 2.00 U	< 1.00 U	< 1.00 U	--	--	**789**	**4,060**
	11/9/2015	N	**0.0265**	--	**0.00631 J**	--	--	< 0.0100 U	< 0.200 U	--	< 0.0200 U	--	--	--	--	--	--	--	**48.8**	**553**
	5/20/2016	N	**0.022**	--	**0.00527 J**	--	< 0.00548 U	--	--	--	--	--	--	--	--	--	--	--	**30.8**	**542**
	9/21/2016	N	**0.0112**	--	**0.00143 J**	--	< 0.01 U	--	< 0.00616 U	--	< 0.000585 U	--	--	--	--	--	--	--	**50.8**	**505**
	5/11/2017	N	**0.0189**	--	**0.00535**	--	< 0.01 U	--	**0.00417 J**	--	**0.000257 J**	--	--	--	--	--	--	--	**49.9**	**594**

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			Units	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	ug/l	ug/l	ug/l	ug/l	mg/l	mg/l	mg/l	mg/l
			NMWQCC Standard	0.01	0.01	0.05	0.05	0.05	0.05	1	1	0.2	0.2	5	1,000	700	620			250	1000
Location ID	Sample Date	Sample Type																			
MW024	1/9/2003	N		--	< 0.05 U	< 0.05 U	--	0.015	--	--	--	--	--	< 2 U	< 2 U	< 2 U	< 2 U	< 0.25 U	< 0.05 U	360	1,290
	3/12/2003	N		--	--	--	--	0.033	--	--	--	--	--	< 2 U	< 2 U	< 2 U	< 2 U	< 0.25 U	< 0.05 U	350	--
	5/28/2003	N		--	--	--	--	0.017	--	--	--	--	--	< 2 U	< 2 U	< 2 U	< 2 U	< 0.24 U	< 0.05 U	340	--
	1/15/2004	N		--	--	< 0.01 U	--	< 0.005 U	--	--	--	--	--	< 2 U	< 2 U	< 2 U	< 6 U	< 0.24 U	< 0.05 U	500	--
	6/22/2004	N		--	--	< 0.01 U	--	< 0.005 U	--	--	--	--	--	< 2 U	< 2 U	< 2 U	< 6 U	< 0.25 U	< 0.05 U	620	--
	12/28/2004	N		--	--	0.03	--	0.016	--	--	--	--	--	< 2 U	< 2 U	< 2 U	< 6 U	< 0.25 U	< 0.05 U	450	--
	6/2/2005	N		--	--	0.12	--	--	--	--	--	--	--	< 2 U	< 2 U	< 2 U	< 6 U	< 0.25 U	< 0.05 U	330	--
	6/2/2005	FD		--	--	0.03	--	--	--	--	--	--	--	< 2 U	< 2 U	< 2 U	< 6 U	< 0.25 U	< 0.05 U	340	--
	7/18/2005	N		--	--	0.07	--	--	--	< 0.4 U	--	< 0.01 U	--	< 2 U	< 2 U	< 2 U	< 6 U	< 0.5 U	15	380	--
	1/24/2006	N		--	< 0.02 U	--	0.184	--	0.18	--	< 0.2 U	0.0266	0.0266	< 1 U	< 1 U	< 1 U	< 3 U	< 0.6 U	< 0.6 U	636	1,550
	6/27/2006	N		--	< 0.02 U	--	0.125	--	0.1	--	< 0.2 U	< 0.005 U	< 0.005 U	< 1 U	3.8	4.7	3.9	< 0.096 U	< 0.05 U	613	1,610
	4/11/2007	N		--	< 0.02 U	--	0.0289	--	0.027	--	< 0.2 U	0.0682	0.0682	< 1 U	< 1 U	< 1 U	< 3 U	0.14	< 0.05 U	577	--
	9/14/2007	N		--	--	--	0.0443	--	0.043	--	--	--	--	< 1 U	< 1 U	< 1 U	< 3 U	0.27	< 0.05 U	560	--
	9/19/2007	N		--	< 0.02 U	--	--	--	--	--	< 0.2 U	0.0144	0.0144	--	--	--	--	--	--	--	--
	4/7/2008	N		--	< 0.02 U	--	0.0399	--	0.046 *	--	< 0.2 U	0.0267	0.0267	1.9	< 1 U	< 1 U	< 3 U	0.4	< 0.05 U	590	2,180
	8/13/2008	N		--	< 0.02 U	--	0.0547	--	0.026	--	< 0.2 U	0.0114	0.0114	3.6	4.3	9.9	< 3 U	0.13	< 0.05 U	653	1,780
	3/25/2009	N		--	< 0.02 U	--	0.0462	--	0.041	--	< 0.2 U	0.007	0.007	< 1 U	< 1 U	< 1 U	< 3 U	0.11	< 0.05 U	717	1,800
	8/19/2009	N		--	< 0.02 U	--	0.0454	--	0.037	--	< 0.2 U	< 0.005 U	< 0.005 U	< 1 U	< 1 U	< 1 U	< 3 U	0.18	< 0.05 U	719	--
	3/3/2010	N		--	< 0.05 U	--	< 0.05 U	--	0.035	--	0.091	< 0.050 U	< 0.050 U	< 1 U	< 2 U	< 1 U	< 1 U	0.17	< 0.05 U	456	1,870
	8/6/2010	N		--	0.013	--	< 0.05 U	--	0.061	--	< 0.1 U	< 0.050 U	< 0.050 U	< 1 U	< 2 U	< 1 U	< 1 U	0.242	< 0.05 U	590	1,800
	5/22/2012	N		< 0.0100 U	--	0.0479	--	--	0.048	< 0.200 U	--	0.108	--	< 1.00 U	< 2.00 U	< 1.00 U	< 1.00 U	--	--	634	2,580
	11/1/2012	N		--	< 0.0100 U	--	0.0509	--	0.0508	--	< 0.200 U	0.0343	0.0343	< 1.00 U	< 2.00 U	< 1.00 U	< 1.00 U	--	--	646	1,810
	5/14/2013	N		< 0.0200 U	--	0.0633	--	--	0.0517	< 0.200 U	--	0.00329 J	--	< 1.00 U	< 2.00 U	< 1.00 U	< 1.00 U	--	--	674	1,940
	10/30/2013	N		0.0133 J	--	0.0699	--	--	0.0658	< 0.200 U	--	0.0255	--	< 1.00 U	< 2.00 U	< 1.00 U	< 1.00 U	--	--	631	2,730
	5/8/2014	N		0.00859 J	--	0.0843	--	--	0.0842	< 0.200 U	--	0.00454 J	--	< 1.00 U	< 2.00 U	< 1.00 U	< 1.00 U	--	--	736	2480 J
	11/6/2014	N		0.00744 J	--	0.123	--	--	0.105	< 0.200 UJ	--	0.0132 J	--	< 1.00 U	< 2.00 U	< 1.00 U	< 1.00 U	--	--	625	2,530
	5/28/2015	N		0.00727 J	--	0.114	--	--	0.112	< 0.200 U	--	0.00625 J	--	< 1.00 U	< 2.00 U	< 1.00 U	< 1.00 U	--	--	703	2,450
	11/5/2015	N		< 0.0200 UJ	--	0.143	--	--	0.124	< 0.200 U	--	< 0.0200 U	--	< 1.00 U	< 2.00 U	< 1.00 U	< 1.00 U	--	< 1.40 U	734	2,260
	5/16/2016	N		0.0341	--	0.136	--	0.138	--	--	--	--	--	< 0.408 U	< 1 U	< 0.657 U	< 0.642 U	< 0.987 U	< 0.987 U	972	1,790
	9/21/2016	N		< 0.00336 U	--	0.184	--	0.165	--	< 0.00616 U	--	0.0019 J	--	< 0.408 U	< 1 U	< 0.657 U	< 0.642 U	--	--	824	2,890
	5/11/2017	N		0.00875	--	0.128	--	0.13	--	0.00318 J	--	0.00809	--	< 2 U	< 2 U	< 2 U	< 2 U	< 1.5 U	< 1.5 U	875	1,720
MW024A	5/23/1999	N		--	--	0.03	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	6/23/1999	N		--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	140	680
	5/23/2001	N		--	< 0.05 U	--	0.09	--	0.095	--	--	--	--	< 2 U	< 2 U	< 2 U	< 2 U	--	--	440	1,250
	2/6/2002	N		--	--	0.06	--	0.053	--	< 0.1 U	0.4	< 0.05 U	< 0.05 U	< 2 U	< 2 U	< 2 U	< 2 U	< 0.26 U	< 0.05 U	320	1,080
	9/10/2002	N		--	--	0.17	--	0.11	--	--	--	--	--	--	--	--	--	--	--	500	--
	10/10/2002	N		--	--	0.18	--	0.15	--	--	--	--	--	--	--	--	--	--	--	--	--
	12/17/2002	N		--	--	--	--	0.15	--	--	--	--	--	--	--	--	--	--	--	640	--
	3/17/2003	N		--	--	--	--	0.26	--	--	--	--	--	--	--	--	--	--	--	790	--
	5/28/2003	N		--	--	--	--	0.268	--	--	--	--	--	--	--	--	--	--	--	910	--
	1/15/2004	N		--	--	0.06	--	0.043	--	--	--	--	--	--	--	--	--	--	--	310	--
	6/24/2004	N		--	--	0.25	--	0.102	--	--	--	--	--	--	--	--	--	--	--	750	--
	1/6/2005	N		--	--	0.3	--	0.022	--	--	--	--	--	--	--	--	--	--	--	740	--
	7/18/2005	N		--	--	0.11	--	--	--	< 0.4 U	--	< 0.01 U	--	< 2 U	< 2 U	< 2 U	< 6 U	< 0.52 U	18	310	--
	1/25/2006	N		--	< 0.02 U	--	0.043	--	0.04	--	< 0.2 U	< 0.005 U	< 0.005 U	< 1 U	< 1 U	< 1 U	< 3 U	< 0.6 U	< 0.6 U	181	747
	6/27/2006	N		--	< 0.02 U	--	0.0446	--	< 0.02 U	--	< 0.2 U	< 0.005 U	< 0.005 U	< 1 U	3.5	4.3	3.5	< 0.096 U	< 0.05 U	203	781
	6/27/2006	FD		--	0.0202	--	0.0466	--	0.04	--	< 0.2 U	< 0.005 U	< 0.005 U	< 1 U	3.4	4	3.4	< 0.096 U	< 0.05 U	191	770
	4/11/2007	N		--	0.0206	--	0.0242	--	0.021	--	< 0.2 U	< 0.005 U	< 0.005 U	< 1 U	< 1 U	< 1 U	< 3 U	< 0.097 U	< 0.05 U	170	--
	9/14/2007	N		--	< 0.02 U	--	--	--	--	--	< 0.2 U	< 0.005 U	< 0.005 U	--	--	--	--	--	--	--	--
	9/19/2007	N		--	--	--	0.0254	--	0.023	--	--	--	--	< 1 U	< 1 U	< 1 U	< 3 U	< 0.097 U	< 0.05 U	180	--
	4/7/2008	N		--	< 0.02 U	--	0.0279	--	0.044 *	--	< 0.2 U	< 0.005 U	< 0.005 U	4.6	1.2	< 1 U	< 3 U	< 0.095 U	< 0.05 U	195	757
	8/13/2008	N		--	0.0251	--	0.134	--	0.091	--	< 0.2 U	0.0139	0.0139	4.3	4.7	10	< 3 U	< 0.1 U	< 0.05 U	474	1,160
	3/25/2009	N		--	< 0.02 U	--	0.162	--	0.15	--	< 0.2 U	< 0.005 U	< 0.005 U	< 1 U	< 1 U	< 1 U	< 3 U	< 0.096 U	< 0.05 U	530	1,350
	8/12/2009	N		--	< 0.02 U	--	0.0307	--	0.034	--	< 0.2 U	< 0.005 U	< 0.005 U	2	1.3	< 1 U	< 3 U	0.24	< 0.05 U	63.5	452
	3/5/2010	N		--	< 0.05 U	--	0.125	--	0.13	--	0.324	< 0.050 U	< 0.050 U	< 1 U	< 1 U	< 1 U	< 1 U	0.053	< 0.05 U	422	1,300
	8/6/2010	N		--	0.011	--	0.118	--	0.162	--	< 0.1 U	< 0.050 U	< 0.050 U	< 1 U	< 2 U	< 1 U	< 1 U	0.076	< 0.05 U	433	1,430
	5/18/2012	N		< 0.0100 U	--	0.183	--	--	0.186	< 0.200 U	--	< 0.0200 U	--	< 1.00 U	< 2.00 U	< 1.00 U	< 1.00 U	--	--	669	2,190
	10/30/2012	N		--	< 0.0100 U	--	0.192	--	0.196	--	< 0.200 U	< 0.0200 U	< 0.0200 U	< 1.00 U	< 2.00 U	< 1.00 U	< 1.00 U	--	--	661	1,520
	5/13/2013	N		0.0144 J	--	0.147	--	--	0.127	< 0.200 U	--	< 0.0200 U	--	< 1.00 U	< 2.00 U	< 1.00 U	< 1.00 U	--	--	483	1,270
	10/30/2013	N		0.0275	--	0.0616	--	--	0.0598	< 0.200 U	--	< 0.0200 U	--	< 1.00 U	< 2.00 U	< 1.00 U	< 1.00 U	--	--	278	956
	5/8/2014	N		0.0135 J	--	0.362	--	--	0.337	< 0.200 U	--	< 0.0200 U	--	< 1.00 U	< 2.00 U	< 1.00 U	< 1.00 U	--	--	804	2,480
	5/8/2014	FD		0.0137 J	--	0.354	--	--	0.338	< 0.200 U	--	0.00381 J	--	< 1.00 U	< 2.00 U	< 1.00 U	< 1.00 U	--	--	777	2,510

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Appendix E
Historical Analytical Data (through 2017)
2021 Annual Groundwater Monitoring Report
Former Eunice North Gas Plant

ARCADIS Design & Consultancy for natural and built assets

		Chemical Name	Dissolved Arsenic	Total Arsenic	Dissolved Chromium	Total Chromium	Dissolved Chromium, Hexavalent	Total Chromium, Hexavalent	Dissolved Iron	Total Iron	Dissolved Manganese	Total Manganese	Benzene	Toluene	Ethylbenzene	Total Xylenes	DRO	GRO	Chloride	TDS
		Units	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	ug/l	ug/l	ug/l	ug/l	mg/l	mg/l	mg/l	mg/l
		NMWQCC Standard	0.01	0.01	0.05	0.05	0.05	0.05	1	1	0.2	0.2	5	1,000	700	620			250	1000
Location ID	Sample Date	Sample Type																		
MW024A	11/7/2014	N	< 0.0200 U	--	0.0816	--	--	0.0665	< 0.200 U	--	0.00379 J	--	< 1.00 U	< 2.00 U	< 1.00 U	< 1.00 U	--	--	279	1120 J
	5/28/2015	N	0.00760 J	--	0.0739	--	--	0.0723	< 0.200 U	--	0.00378 J	--	< 1.00 U	< 2.00 U	< 1.00 U	< 1.00 U	--	--	309	1,080
	11/6/2015	N	< 0.0200 UJ	--	0.0943	--	--	0.0797	< 0.200 U	--	< 0.0200 U	--	--	--	--	--	--	--	339	1,150
	5/16/2016	N	0.0417	--	0.55	--	0.678	--	--	--	--	--	--	--	--	--	--	--	946	2,100
	9/21/2016	N	0.00548 J	--	0.732	--	0.81	--	< 0.00616 U	--	< 0.000585 U	--	--	--	--	--	--	--	864	3,200
	5/11/2017	N	0.0109	--	0.724	--	0.785	--	0.00442 J	--	0.000468 J	--	--	--	--	--	--	--	918	2,370
	9/21/2017	N	0.0128	--	0.437 J	--	--	0.457 J	< 0.100 U	--	0.000585 J	--	--	--	--	--	--	--	790	2,620
	9/21/2017	FD	0.012	--	0.689 J	--	--	0.852 J	< 0.100 U	--	< 0.00200 U	--	--	--	--	--	--	--	748	3,010
	3/29/2018	Reg	--	0.012	--	0.621	--	0.479	< 0.1	--	--	0.000484 J	--	--	--	--	--	--	884	2,360
	9/12/2018	Reg	0.0125	--	0.579	--	0.477	--	--	< 0.100 U	< 0.00200 U	--	--	--	--	--	--	--	901	2,420
	9/12/2018	FD	0.0126	--	0.547	--	0.52	--	--	< 0.100 U	0.000247 J	--	--	--	--	--	--	--	894	2,310
MW025	5/19/1999	N	< 0.10 U	--	4.5	--	--	--	--	--	--	--	--	--	--	--	--	--	800	2,600
	11/18/1999	N	--	--	4.4	--	--	--	--	--	--	--	--	--	--	--	--	--	760	2,800
	11/18/1999	FD	--	--	4.7	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	5/29/2001	N	--	< 0.05 U	--	4.18	--	< 0.005 U	--	--	--	--	< 2 U	< 2 U	< 2 U	< 2 U	--	--	1,000	3,440
	8/27/2001	N	--	--	< 0.05 U < 0.05 U	< 0.05 U < 0.05 U	0.038 0.043	0.037 0.03	< 0.1 U	< 0.1 U	--	--	--	--	--	--	--	--	--	--
	9/27/2001	N	--	--	0.33	--	0.41	--	--	--	--	--	--	--	--	--	--	--	--	--
	1/31/2002	N	--	--	0.53	--	0.42	--	< 0.1 U	< 0.1 U	< 0.05 U	< 0.05 U	--	--	--	--	--	--	810	2,540
	9/17/2002	N	--	--	0.4	--	0.26	--	--	--	--	--	--	--	--	--	--	--	710	--
	1/2/2003	N	--	--	--	--	0.006	--	--	--	--	--	--	--	--	--	--	--	140	--
	3/11/2003	N	--	--	--	--	0.024	--	--	--	--	--	--	--	--	--	--	--	430	--
	5/29/2003	N	--	--	--	--	0.011	--	--	--	--	--	--	--	--	--	--	--	460	--
	6/3/2003	N	--	--	--	--	0.216	--	--	--	--	--	--	--	--	--	--	--	690	--
	1/7/2004	N	--	--	0.01	--	0.008	--	--	--	--	--	--	--	--	--	--	--	230	--
	6/22/2004	N	--	--	< 0.01 U	--	< 0.005 U	--	--	--	--	--	--	--	--	--	--	--	60	--
	1/3/2005	N	--	--	0.02	--	0.022	--	--	--	--	--	--	--	--	--	--	--	380	--
	6/2/2005	N	--	--	0.07	--	--	--	--	--	--	--	--	--	--	--	--	--	380	--
	1/24/2006	N	--	< 0.02 U	--	0.0403	--	0.036	--	< 0.2 U	0.009	0.009	< 1 U	< 1 U	< 1 U	< 3 U	< 0.6 U	< 0.6 U	281	1,470
	7/5/2006	N	--	< 0.02 U	--	< 0.015 U	--	< 0.02 U	--	< 0.2 U	0.0104	0.0104	< 1 U	1.3	1.2	< 3 U	1.3	< 0.05 U	397	1,660
	3/22/2007	N	--	< 0.02 U	--	< 0.015 U	--	< 0.02 U	--	< 0.2 U	7	7	< 1 U	< 1 U	< 1 U	< 3 U	< 0.095 U	< 0.05 U	375	--
	9/19/2007	N	--	< 0.02 U	--	< 0.015 U	--	< 0.02 U	--	< 0.2 U	0.011	0.011	< 1 U	< 1 U	< 1 U	< 3 U	0.43	< 0.05 U	320	--
	3/24/2008	N	--	< 0.02 U	--	< 0.015 U	--	< 0.02 U	--	< 0.2 U	0.0112	0.0112	< 1 U	< 1 U	< 1 U	< 3 U	0.57	< 0.05 U	393	1,610
	8/7/2008	N	--	< 0.02 U	--	< 0.015 U	--	< 0.02 U	--	< 0.2 U	0.0105	0.0105	< 1 U	< 1 U	< 1 U	< 3 U	0.29	< 0.05 U	392	1,550
	3/19/2009	N	--	< 0.02 U	--	< 0.015 U	--	< 0.02 U	--	< 0.2 U	0.0129	0.0129	3.5	1.4	< 1 U	< 3 U	0.33	< 0.05 U	418	120
	8/20/2009	N	--	< 0.02 U	--	< 0.015 U	--	< 0.02 U	--	< 0.2 U	0.0125	0.0125	< 1 U	< 1 U	< 1 U	< 3 U	0.41	< 0.05 U	432	1,690
	3/9/2010	N	--	< 0.05 U	--	< 0.05 U	--	0.22	--	0.033	< 0.050 U	< 0.050 U	< 1 U	< 1 U	< 1 U	< 1 U	0.598	< 0.05 U	359	1,600
	8/11/2010	N	--	< 0.01 U	--	< 0.05 U	--	< 0.01 U	--	< 0.1 U	< 0.050 U	< 0.050 U	< 1 U	< 2 U	< 1 U	< 1 U	0.436	< 0.05 U	243	1,790
	5/22/2012	N	< 0.0100 U	--	0.0117	--	--	< 0.0100 U	< 0.200 U	--	0.027	--	< 1.00 U	< 2.00 U	< 1.00 U	< 1.00 U	--	--	213	1,230
	10/29/2012	N	--	< 0.0100 U	--	< 0.0100 U	--	< 0.0100 U	--	< 0.200 U	< 0.0200 U	< 0.0200 U	< 1.00 U	< 2.00 U	< 1.00 U	< 1.00 U	--	--	170	989
	5/16/2013	N	0.0105 J	--	0.00547 J	--	--	< 0.0100 U	< 0.200 U	--	< 0.0200 U	--	< 1.00 U	< 2.00 U	< 1.00 U	< 1.00 U	--	--	265	1,400
MW026	11/17/1999	N	--	--	< 0.05 U	--	--	--	--	--	--	--	--	--	--	--	--	--	500	1,500
	5/18/2001	N	--	< 0.05 U	--	< 0.05 U	--	0.014	--	--	--	--	< 2 U	< 2 U	< 2 U	< 2 U	--	--	750	2,120
	1/23/2002	N	--	--	< 0.05 U	--	0.005	--	--	< 0.05 U	< 0.05 U	< 0.05 U	--	--	--	--	--	--	670	1,850
	9/4/2002	N	--	--	< 0.05 U	--	0.009	--	--	--	--	--	--	--	--	--	--	--	700	--
	12/17/2002	N	--	--	--	--	0.007	--	--	--	--	--	--	--	--	--	--	--	730	--
	3/11/2003	N	--	--	--	--	0.008	--	--	--	--	--	--	--	--	--	--	--	700	--
	5/27/2003	N	--	--	--	--	< 0.005 U	--	--	--	--	--	--	--	--	--	--	--	670	--
	1/6/2004	N	--	--	< 0.01 U	--	< 0.005 U	--	--	--	--	--	--	--	--	--	--	--	1120	--
	6/15/2004	N	--	--	< 0.05 U	--	< 0.005 U	--	--	--	--	--	--	--	--	--	--	--	650	--
	12/13/2004	N	--	--	0.01	--	0.018	--	--	--	--	--	--	--	--	--	--	--	680	--
	6/3/2005	N	--	--	< 0.01 U	--	--	--	--	--	--	--	--	--	--	--	--	--	630	--
	1/19/2006	N	--	< 0.02 U	--	0.0176	--	< 0.02 U	--	0.664	0.0095	0.0095	< 1 U	< 1 U	< 1 U	< 3 U	< 0.6 U	< 0.6 U	766	1,780
	6/23/2006	N	--	< 0.02 U	--	< 0.015 U	--	< 0.02 U	--	< 0.2 U	< 0.005 U	< 0.005 U	< 1 U	< 1 U	< 1 U	< 3 U	< 0.095 U	< 0.05 U	708	2,020
	4/5/2007	N	--	< 0.02 U	--	< 0.015 U	--	< 0.02 U	--	< 0.2 U	< 0.005 U	< 0.005 U	< 1 U	< 1 U	< 1 U	< 3 U	< 0.097 U	< 0.05 U	737	--
	9/11/2007	N	--	< 0.02 U	--	< 0.015 U	--	< 0.02 U	--	< 0.2 U	< 0.005 U	< 0.005 U	< 1 U	< 1 U	< 1 U	< 3 U	< 0.096 U	< 0.05 U	731	--
	3/25/2008	N	--	< 0.02 U	--	< 0.015 U	--	< 0.02 U	--	< 0.2 U	< 0.05 U	< 0.05 U	< 1 U	< 1 U	< 1 U	< 3 U	< 0.097 U	< 0.05 U	805	2,240
	8/11/2008	N	--	< 0.02 U	--	< 0.015 U	--	< 0.02 U	--	< 0.2 U	0.006	0.006	< 1 U	< 1 U	< 1 U	< 3 U	< 0.1 U	< 0.05 U	825	2,320
	8/24/2009	N	--	< 0.02 U	--	< 0.015 U	--	< 0.02 U	--	< 0.2 U	< 0.005 U	< 0.005 U	< 1 U	< 1 U	< 1 U	< 3 U	0.15	< 0.05 U	866	2,620
	8/13/2010	N	--	< 0.01 U	--	< 0.050 U	--	< 0.01 U	--	< 0.1 U	< 0.050 U	< 0.050 U	< 1 U	< 2 U	< 1 U	< 1 U	0.423	< 0.05 U	505	2,730
	5/17/2012	N	< 0.0100 UJ	--	< 0.0100 U	--	--	< 0.0100 U	< 0.200 U	--	< 0.0200 U	--	< 1.00 U	< 2.00 U	< 1.00 U	< 1.00 U	--	--	576 J	2,170
	10/29/2012	N	--	< 0.0100 U	--	< 0.0100 U	--	< 0.0100 U	--	< 0.200 U	< 0.0200 U	< 0.0200 U	< 1.00 U	< 2.00 U	< 1.00 U	< 1.00 U	--	--	568	2,000

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Appendix E
Historical Analytical Data (through 2017)
2021 Annual Groundwater Monitoring Report
Former Eunice North Gas Plant

ARCADIS Design & Consultancy for natural and built assets

Location ID	Sample Date	Sample Type	Chemical Name	Dissolved Arsenic	Total Arsenic	Dissolved Chromium	Total Chromium	Dissolved Chromium, Hexavalent	Total Chromium, Hexavalent	Dissolved Iron	Total Iron	Dissolved Manganese	Total Manganese	Benzene	Toluene	Ethylbenzene	Total Xylenes	DRO	GRO	Chloride	TDS
			Units	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	ug/l	ug/l	ug/l	ug/l	mg/l	mg/l	mg/l	mg/l
			NMWQCC Standard	0.01	0.01	0.05	0.05	0.05	0.05	1	1	0.2	0.2	5	1,000	700	620			250	1000
	5/20/2013	N		< 0.0200 U	--	< 0.0100 U	--	--	< 0.0100 U	< 0.200 U	--	< 0.0200 U	--	< 1.00 U	< 2.00 U	< 1.00 U	< 1.00 U	--	--	485	2,110
	11/5/2013	N		**0.00883 J**	--	**0.00598 J**	--	--	< 0.0100 U	< 0.200 U	--	< 0.0200 U	--	< 1.00 U	< 2.00 U	< 1.00 U	< 1.00 U	--	--	544	3,020
	11/5/2013	FD		< 0.0200 U	--	**0.00502 J**	--	--	< 0.0100 U	< 0.200 U	--	< 0.0200 U	--	< 1.00 U	< 2.00 U	< 1.00 U	< 1.00 U	--	--	528	2,850
	5/9/2014	N		< 0.0200 U	--	**0.00189 J**	--	--	< 0.0100 U	< 0.200 U	--	< 0.0200 U	--	< 1.00 U	< 2.00 U	< 1.00 U	< 1.00 U	--	--	427	2,050
	11/5/2014	N		**0.0149 J**	--	**0.012**	--	--	**0.00770 J**	< 0.200 U	--	< 0.0200 U	--	< 1.00 U	< 2.00 U	< 1.00 U	< 1.00 U	--	--	572	2,760
	5/20/2015	N		**0.00808 J**	--	**0.00411 J**	--	--	< 0.0100 U	< 0.200 UJ	--	**0.00733 J**	--	< 1.00 U	< 2.00 U	< 1.00 U	< 1.00 U	--	--	563	2,580
MW026	11/4/2015	N		**0.00336 J**	--	< 0.0100 U	--	--	< 0.0100 U	< 0.200 U	--	< 0.0200 U	--	--	--	--	--	--	--	330	1,750
	5/13/2016	N		**0.0335**	--	< 0.00136 U	--	< 0.00548 U	--	--	--	--	--	--	--	--	--	--	--	324	1,570
	9/20/2016	N		< 0.00336 U	--	**0.00424 J**	--	< 0.01 U	--	< 0.00616 U	--	**0.00524 J**	--	--	--	--	--	--	--	737	1,230
	9/22/2017	N		**0.00716**	--	< 0.004 U	--	< 0.01 U	--	< 0.1 U	--	< 0.002 U	--	--	--	--	--	--	--	108	890
	4/5/2018	Reg		--	**0.00716**	--	**0.00255 J**	--	--	< 0.100 U	--	--	< 0.00200 U	--	--	--	--	--	--	229	1,180
	9/13/2018	Reg		**0.00774 J**	--	< 0.0200 U	--	< 0.0100 U	--	--	< 0.500 U	**0.00160 J**	--	--	--	--	--	--	--	129	860
	11/18/1999	N		--	--	< 0.05 U	--	--	--	--	--	--	--	--	--	--	--	--	--	240	960
	5/18/2001	N		--	< 0.05 U	--	< 0.05 U	--	**0.026**	--	--	--	--	< 2 U	< 2 U	< 2 U	< 2 U	--	--	370	1,260
	1/24/2002	N		--	--	< 0.05 U	--	**0.02**	--	--	**0.11**	< 0.05 U	< 0.05 U	--	--	--	--	--	--	320	1,370
	9/4/2002	N		--	--	< 0.05 U	--	**0.01**	--	--	--	--	--	--	--	--	--	--	--	170	--
	12/17/2002	N		--	--	--	--	**0.008**	--	--	--	--	--	--	--	--	--	--	--	350	--
	3/11/2003	N		--	--	--	--	< 0.005 U	--	--	--	--	--	--	--	--	--	--	--	360	--
	5/22/2003	N		--	--	--	--	< 0.005 U	--	--	--	--	--	--	--	--	--	--	--	510	--
	1/6/2004	N		--	--	< 0.01 U	--	< 0.005 U	--	--	--	--	--	--	--	--	--	--	--	300	--
	6/17/2004	N		--	--	< 0.05 U	--	< 0.005 U	--	--	--	--	--	--	--	--	--	--	--	300	--
	12/20/2004	N		--	--	**0.01**	--	**0.007**	--	--	--	--	--	--	--	--	--	--	--	400	--
	6/2/2005	N		--	--	< 0.01 U	--	--	--	--	--	--	--	--	--	--	--	--	--	330	--
	1/23/2006	N		--	< 0.02 U	--	**0.0557**	--	< 0.02 U	--	**0.528**	**0.0104**	**0.0104**	< 1 U	< 1 U	< 1 U	< 3 U	< 0.6 U	< 0.6 U	355	1,440
	6/23/2006	N		--	< 0.02 U	--	< 0.015 U	--	< 0.02 U	--	< 0.2 U	< 0.005 U	< 0.005 U	< 1 U	< 1 U	< 1 U	< 3 U	**0.27**	< 0.05 U	408	1,420
	3/21/2007	N		--	< 0.02 U	--	**0.0221**	--	< 0.02 U	--	**1.03**	**0.0207**	**0.0207**	< 1 U	< 1 U	< 1 U	< 3 U	**0.11**	< 0.05 U	399	--
	9/14/2007	N		--	< 0.02 U	--	**0.0216**	--	< 0.02 U	--	**4.24**	**0.0949**	**0.0949**	< 1 U	< 1 U	< 1 U	< 3 U	< 0.095 U	< 0.05 U	370	--
	8/19/2009	N		--	< 0.02 U	--	< 0.015 U	--	< 0.02 U	--	< 0.2 U	< 0.005 U	< 0.005 U	< 1 U	< 1 U	< 1 U	< 3 U	< 0.095 U	< 0.05 U	344	--
MW027	3/12/2010	N		--	< 0.05 U	--	< 0.050 U	--	**0.013**	--	**0.139**	< 0.050 U	< 0.050 U	< 1 U	< 1 U	< 1 U	< 1 U	< 0.056 U	< 0.05 U	279	1,440
	8/3/2010	N		--	< 0.01 U	--	< 0.050 U	--	**0.021**	--	**0.125**	< 0.050 U	< 0.050 U	< 1 U	< 2 U	< 1 U	< 1 U	< 0.098 U	< 0.05 U	363	1,710
	5/17/2012	N		< 0.0100 UJ	--	< 0.0100 U	--	--	< 0.0100 U	< 0.200 U	--	< 0.0200 U	--	< 1.00 U	< 2.00 U	< 1.00 U	< 1.00 U	--	--	261 J	1,500
	10/30/2012	N		--	< 0.0100 U	--	< 0.0100 U	--	< 0.0100 U	--	< 0.200 U	**0.0234**	**0.0234**	< 1.00 U	< 2.00 U	< 1.00 U	< 1.00 U	--	--	288	1,610
	5/20/2013	N		< 0.0200 U	--	< 0.0100 U	--	--	< 0.0100 U	< 0.200 U	--	< 0.0200 U	--	< 1.00 U	< 2.00 U	< 1.00 U	< 1.00 U	--	--	92.4	1,170
	11/5/2013	N		< 0.0200 U	--	< 0.0100 U	--	--	< 0.0100 U	< 0.200 U	--	< 0.0200 U	--	< 1.00 U	< 2.00 U	< 1.00 U	**2.68**	--	--	250	1,470
	5/9/2014	N		**0.00761 J**	--	< 0.0100 U	--	--	< 0.0100 U	< 0.200 U	--	**0.00682 J**	--	< 1.00 U	< 2.00 U	< 1.00 U	< 1.00 U	--	--	275	1,420
	11/5/2014	N		< 0.0200 U	--	**0.0100 J**	--	--	**0.00620 J**	< 0.200 U	--	< 0.0200 U	--	< 1.00 U	< 2.00 U	< 1.00 U	< 1.00 U	--	--	386	1,840
	5/19/2015	N		**0.0118 J**	--	**0.00392 J**	--	--	**0.0367 J**	< 0.200 UJ	--	**0.00444 J**	--	< 1.00 U	< 2.00 U	< 1.00 U	< 1.00 U	--	--	343	1,770
	11/4/2015	N		**0.00562 J**	--	< 0.0100 U	--	--	< 0.0100 U	< 0.200 U	--	< 0.0200 U	--	--	--	--	--	--	--	325	1,600
	11/4/2015	FD		**0.00383 J**	--	< 0.0100 U	--	--	< 0.0100 U	< 0.200 U	--	< 0.0200 U	--	--	--	--	--	--	--	303	1,690
	5/13/2016	N		**0.022**	--	< 0.00136 U	--	< 0.00548 U	--	--	--	--	--	--	--	--	--	--	--	294	1,330
	9/20/2016	N		< 0.00336 U	--	**0.00695 J**	--	< 0.01 U	--	< 0.00616 U	--	< 0.000585 U	--	--	--	--	--	--	--	290	1,520
	5/11/2017	N		**0.00529**	--	**0.00238 J**	--	< 0.01 U	--	**0.00482 J**	--	**0.00044 J**	--	--	--	--	--	--	--	365	1,680
	9/22/2017	N		**0.00703**	--	**0.00211 J**	--	< 0.01 U	--	< 0.1 U	--	**0.000557 J**	--	--	--	--	--	--	--	351	1,760
	4/3/2018	Reg		--	**0.0063**	--	**0.00154 J**	--	< 0.0100 U	< 0.100 U	--	--	**0.00155 J**	--	--	--	--	--	--	366	1,480
	9/13/2018	Reg		**0.00682 J**	--	< 0.0200 U	--	< 0.0100 U	--	--	< 0.500 U	**0.00133 J**	--	--	--	--	--	--	--	355	1,600
	11/18/1999	N		--	--	< 0.05 U	--	--	--	--	--	--	--	--	--	--	--	--	--	1,200	2,400
	5/22/2001	N		--	< 0.05 U	--	< 0.05 U	--	< 0.005 U	--	--	--	--	< 2 U	< 2 U	< 2 U	< 2 U	--	--	1,400	3,040
	1/24/2002	N		--	--	< 0.05 U	--	--	< 0.005 U	--	< 0.05 U	< 0.05 U	< 0.05 U	--	--	--	--	--	--	1,200	2,800
	9/4/2002	N		--	--	< 0.05 U	--	< 0.005 U	--	--	--	--	--	--	--	--	--	--	--	1,200	--
	12/18/2002	N		--	--	--	--	< 0.005 U	--	--	--	--	--	--	--	--	--	--	--	1,070	--
	3/10/2003	N		--	--	--	--	< 0.005 U	--	--	--	--	--	--	--	--	--	--	--	1,040	--
	5/22/2003	N		--	--	--	--	< 0.005 U	--	--	--	--	--	--	--	--	--	--	--	1,030	--
	1/28/2004	N		--	--	< 0.01 U	--	--	< 0.005 U	--	--	--	--	--	--	--	--	--	--	990	--
	6/9/2004	N		--	--	< 0.01 U	--	< 0.005 U	--	--	--	--	--	--	--	--	--	--	--	1,120	--
	12/6/2004	N		--	--	< 0.01 U	--	< 0.005 U	--	--	--	--	--	--	--	--	--	--	--	880	--
	5/25/2005	N		--	--	< 0.01 U	--	--	--	--	--	--	--	--	--	--	--	--	--	750	--
MW028	1/18/2006	N		--	< 0.02 U	--	**0.0301**	--	< 0.02 U	--	**0.318**	**0.0079**	**0.0079**	< 1 U	< 1 U	< 1 U	< 3 U	< 0.6 U	< 0.6 U	655	2,070
	6/20/2006	N		--	< 0.02 U	--	< 0.015 U	--	< 0.02 U	--	< 0.2 U	**0.0076**	**0.0076**	< 1 U	< 1 U	< 1 U	< 3 U	**0.32**	< 0.05 U	629	2,060
	3/21/2007	N		--	< 0.02 U	--	< 0.015 U	--	< 0.02 U	--	< 0.2 U	< 0.005 U	< 0.005 U	< 1 U	< 1 U	< 1 U	< 3 U	**0.28**	< 0.05 U	418	--
	9/6/2007	N		--	< 0.02 U	--	< 0.015 U	--	< 0.02 U	--	< 0.2 U	< 0.005 U	< 0.005 U	< 1 U	< 1 U	< 1 U	< 3 U	**0.29**	< 0.05 U	389	--
	3/19/2008	N		--	**0.0275**	--	< 0.015 U	--	< 0.02 U	--	< 0.2 U	< 0.005 U	< 0.005 U	< 1 U	< 1 U	< 1 U	< 3 U	**0.14**	< 0.05 U	292	1,520
	8/12/2008	N		--	< 0.02 U	--	< 0.015 U	--	< 0.02 U	--	< 0.2 U	**0.0071**	**0.0071**	< 1 U	< 1 U	< 1 U	< 3 U	**0.25**	< 0.05 U	333	1,450

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Location ID	Sample Date	Sample Type	Chemical Name	Dissolved Arsenic	Total Arsenic	Dissolved Chromium	Total Chromium	Dissolved Chromium, Hexavalent	Total Chromium, Hexavalent	Dissolved Iron	Total Iron	Dissolved Manganese	Total Manganese	Benzene	Toluene	Ethylbenzene	Total Xylenes	DRO	GRO	Chloride	TDS
			Units	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	ug/l	ug/l	ug/l	ug/l	mg/l	mg/l	mg/l	mg/l
			NMWQCC Standard	0.01	0.01	0.05	0.05	0.05	0.05	1	1	0.2	0.2	5	1,000	700	620			250	1000
	3/19/2009	N		--	**0.0211**	--	< 0.015 U	--	< 0.02 U	--	< 0.2 U	< 0.005 U	< 0.005 U	**8.5**	**2.8**	**1.2**	< 3 U	< 0.095 U	< 0.05 U	**253**	**1,450**
	8/24/2009	N		--	**0.0255**	--	< 0.015 U	--	< 0.02 U	--	< 0.2 U	< 0.005 U	< 0.005 U	< 1 U	< 1 U	< 1 U	< 3 U	**0.49**	**0.12**	**438**	**1,470**
	3/11/2010	N		--	< 0.05 U	--	< 0.050 U	--	< 0.01 U	--	**0.177**	< 0.050 U	< 0.050 U	< 1 U	< 1 U	< 1 U	< 1 U	**0.145**	< 0.05 U	**377**	**1,600**
	8/11/2010	N		--	**0.025**	--	< 0.050 U	--	**0.012**	--	< 0.1 U	< 0.050 U	< 0.050 U	< 1 U	< 2 U	< 1 U	< 1 U	**0.199**	< 0.05 U	**336**	**1,780**
	11/2/2012	N		--	< 0.0100 U	--	< 0.0100 U	--	< 0.0100 U	--	< 0.200 U	< 0.0200 U	< 0.0200 U	< 1.00 U	< 2.00 U	< 1.00 U	< 1.00 U	--	--	**339**	**1,380**
	5/20/2013	N		**0.0199 J**	--	< 0.0100 U	--	--	< 0.0100 U	< 0.200 UJ	--	< 0.0200 U	--	< 1.00 U	< 2.00 U	< 1.00 U	< 1.00 U	--	--	**224**	**1,240**
MW029	11/18/1999	N		--	--	< 0.05 U	--	--	--	--	--	--	--	--	--	--	--	--	--	**250**	**1,200**
	5/18/2001	N		--	< 0.05 U	--	< 0.05 U	--	< 0.005 U	--	--	--	--	< 2 U	< 2 U	< 2 U	< 2 U	--	--	**180**	**810**
	2/6/2002	N		--	--	< 0.05 U	< 0.05 U	< 0.005 U	--	--	**0.7**	**0.11**	**0.11**	--	--	--	--	--	--	**160**	**1,380**
	9/9/2002	N		--	--	< 0.05 U	--	< 0.005 U	--	--	--	--	--	--	--	--	--	--	--	**160**	--
	12/18/2002	N		--	--	--	--	< 0.005 U	--	--	--	--	--	--	--	--	--	--	--	**130**	--
	3/10/2003	N		--	--	--	--	< 0.005 U	--	--	--	--	--	--	--	--	--	--	--	**150**	--
	5/27/2003	N		--	--	--	--	< 0.005 U	--	--	--	--	--	--	--	--	--	--	--	**160**	--
	1/13/2004	N		--	--	< 0.01 U	--	< 0.005 U	--	--	--	--	--	--	--	--	--	--	--	**150**	--
	6/10/2004	N		--	--	< 0.05 U	--	< 0.005 U	--	--	--	--	--	--	--	--	--	--	--	**100**	--
	12/7/2004	N		--	--	< 0.01 U	--	< 0.005 U	--	--	--	--	--	--	--	--	--	--	--	**140**	--
	5/24/2005	N		--	--	< 0.01 U	--	--	--	--	--	--	--	--	--	--	--	--	--	**140**	--
	1/18/2006	N		--	< 0.02 U	--	< 0.015 U	--	< 0.02 U	--	**1.27**	**0.0183**	**0.0183**	< 1 U	< 1 U	< 1 U	< 3 U	< 0.6 U	< 0.6 U	**147**	**823**
MW029	6/20/2006	N		--	**0.0243**	--	< 0.015 U	--	< 0.02 U	--	< 0.2 U	< 0.005 U	< 0.005 U	< 1 U	< 1 U	< 1 U	< 3 U	< 0.095 U	< 0.05 U	**155**	**792**
	3/28/2007	N		--	**0.0243**	--	< 0.015 U	--	< 0.02 U	--	**0.222**	< 0.005 U	< 0.005 U	< 1 U	< 1 U	< 1 U	< 3 U	< 0.095 U	< 0.05 U	**145**	--
	9/6/2007	N		--	**0.0208**	--	< 0.015 U	--	< 0.02 U	--	< 0.2 U	< 0.005 U	< 0.005 U	< 1 U	< 1 U	< 1 U	< 3 U	< 0.096 U	< 0.05 U	**138**	--
	3/20/2008	N		--	**0.021**	--	< 0.015 U	--	< 0.02 U	--	< 0.2 U	< 0.005 U	< 0.005 U	< 1 U	< 1 U	**3**	< 3 U	< 0.096 U	< 0.05 U	**138**	**749**
	8/5/2008	N		--	< 0.02 U	--	< 0.015 U	--	< 0.02 U	--	< 0.2 U	< 0.005 U	< 0.005 U	< 1 U	< 1 U	< 1 U	< 3 U	< 0.097 U	< 0.05 U	**142**	**767**
	3/16/2009	N		--	< 0.02 U	--	< 0.015 U	--	< 0.02 U	--	< 0.2 U	< 0.005 U	< 0.005 U	**7.9**	**3.1**	**1.3**	< 3 U	< 0.096 U	< 0.05 U	**138**	**728**
	8/24/2009	N		--	**0.0239**	--	< 0.015 U	--	< 0.02 U	--	< 0.2 U	< 0.005 U	< 0.005 U	< 1 U	< 1 U	< 1 U	< 3 U	< 0.099 U	< 0.05 U	**136**	**706**
	3/10/2010	N		--	< 0.05 U	--	< 0.05 U	--	< 0.01 U	--	**0.037**	< 0.050 U	< 0.050 U	< 1 U	< 1 U	< 1 U	< 1 U	< 0.05 U	< 0.05 U	**102**	**512**
	8/13/2010	N		--	**0.021**	--	< 0.05 U	--	**0.017**	--	< 0.1 U	< 0.050 U	< 0.050 U	< 1 U	< 2 U	< 1 U	< 1 U	**0.075**	< 0.05 U	**110**	**660**
	5/24/2012	N		< 0.0100 U	--	< 0.0100 U	--	--	< 0.0100 U	< 0.200 U	--	< 0.0200 U	--	< 1.00 U	< 2.00 U	< 1.00 U	< 1.00 U	--	--	**141**	**713**
	11/1/2012	N		--	< 0.0100 U	--	< 0.0100 U	--	< 0.0100 U	--	< 0.200 U	< 0.0200 U	< 0.0200 U	< 1.00 U	< 2.00 U	< 1.00 U	< 1.00 U	--	--	**139**	**370**
	5/14/2013	N		**0.0189 J**	--	**0.0148**	--	--	< 0.0100 U	< 0.200 U	--	< 0.0200 U	--	< 1.00 U	< 2.00 U	< 1.00 U	< 1.00 U	--	--	**141**	**546**
	4/24/2002	N		--	--	< 0.05 U	--	**0.015**	--	< 0.1 U	**1.5**	**0.07**	**0.25**	--	--	--	--	--	--	**430**	**1,980**
	9/9/2002	N		--	--	< 0.05 U	--	< 0.005 U	--	--	--	--	--	--	--	--	--	--	--	**290**	--
	12/18/2002	N		--	--	--	--	< 0.005 U	--	--	--	--	--	--	--	--	--	--	--	**240**	--
	3/10/2003	N		--	--	--	--	< 0.005 U	--	--	--	--	--	--	--	--	--	--	--	**220**	--
	5/27/2003	N		--	--	--	--	< 0.005 U	--	--	--	--	--	--	--	--	--	--	--	**250**	--
	1/13/2004	N		--	--	< 0.01 U	--	< 0.005 U	--	--	--	--	--	--	--	--	--	--	--	**150**	--
	6/15/2004	N		--	--	< 0.05 U	--	< 0.005 U	--	--	--	--	--	--	--	--	--	--	--	**100**	--
	12/13/2004	N		--	--	< 0.01 U	--	< 0.005 U	--	--	--	--	--	--	--	--	--	--	--	**440**	--
	5/26/2005	N		--	--	< 0.01 U	--	--	--	--	--	--	--	--	--	--	--	--	--	**390**	--
	1/20/2006	N		--	< 0.02 U	--	< 0.015 U	--	< 0.02 U	--	< 0.2 U	< 0.005 U	< 0.005 U	< 1 U	< 1 U	< 1 U	< 3 U	< 0.6 U	< 0.6 U	**411**	**1,110**
	6/22/2006	N		--	< 0.02 U	--	< 0.015 U	--	< 0.02 U	--	< 0.2 U	< 0.005 U	< 0.005 U	< 1 U	< 1 U	< 1 U	< 3 U	< 0.096 U	< 0.05 U	**248**	**1,060**
	3/28/2007	N		--	< 0.02 U	--	< 0.015 U	--	< 0.02 U	--	< 0.2 U	< 0.005 U	< 0.005 U	< 1 U	< 1 U	< 1 U	< 3 U	< 0.095 U	< 0.05 U	**387**	--
	9/11/2007	N		--	**0.0259**	--	< 0.015 U	--	< 0.02 U	--	< 0.2 U	< 0.005 U	< 0.005 U	< 1 U	< 1 U	< 1 U	< 3 U	< 0.096 U	< 0.05 U	**360**	--
	3/25/2008	N		--	< 0.02 U	--	< 0.015 U	--	< 0.02 U	--	**0.261**	**0.0051**	**0.0051**	< 1 U	< 1 U	< 1 U	< 3 U	< 0.095 U	< 0.05 U	**363**	**964**
	8/5/2008	N		--	< 0.02 U	--	< 0.015 U	--	< 0.02 U	--	< 0.2 U	< 0.005 U	< 0.005 U	< 1 U	< 1 U	< 1 U	< 3 U	< 0.096 U	< 0.05 U	**328**	**962**
	3/16/2009	N		--	< 0.02 U	--	< 0.015 U	--	< 0.02 U	--	< 0.2 U	**0.0072**	**0.0072**	**12**	**4.3**	**1.7**	< 3 U	< 0.094 U	< 0.05 U	**346**	**952**
MW030	8/20/2009	N		--	< 0.02 U	--	< 0.015 U	--	< 0.02 U	--	< 0.2 U	< 0.005 U	< 0.005 U	< 1 U	< 1 U	< 1 U	< 3 U	< 0.095 U	< 0.05 U	**180**	**986**
	3/16/2010	N		--	< 0.05 U	--	< 0.050 U	--	< 0.01 U	--	**0.058**	< 0.050 U	< 0.050 U	< 1 U	< 1 U	< 1 U	< 1 U	< 0.051 U	< 0.05 U	**273**	**1,350**
	8/13/2010	N		--	< 0.01 U	--	< 0.050 U	--	< 0.01 U	--	< 0.1 U	< 0.050 U	< 0.050 U	< 1 U	< 2 U	< 1 U	< 1 U	**0.084**	< 0.05 U	**274**	**1,110**
	5/24/2012	N		**0.0152**	--	< 0.0100 U	--	--	< 0.0100 U	< 0.200 U	--	< 0.0200 U	--	< 1.00 U	< 2.00 U	< 1.00 U	< 1.00 U	--	--	**75.1**	**614**
	11/1/2012	N		--	< 0.0100 U	--	< 0.0100 U	--	< 0.0100 U	--	< 0.200 U	< 0.0200 U	< 0.0200 U	< 1.00 U	< 2.00 U	< 1.00 U	< 1.00 U	--	--	**147**	**628**
	5/14/2013	N		**0.0209**	--	**0.00363 J**	--	--	< 0.0100 U	< 0.200 U	--	< 0.0200 U	--	< 1.00 U	< 2.00 U	< 1.00 U	< 1.00 U	--	--	**127**	**696**
	10/31/2013	N		**0.0146 J**	--	**0.00414 J**	--	--	< 0.0100 U	< 0.200 U	--	**0.0793**	--	< 1.00 U	< 2.00 U	< 1.00 U	< 1.00 U	--	--	**315**	**1,080**
	5/12/2014	N		**0.0278**	--	< 0.0100 U	--	--	< 0.0100 U	< 0.200 U	--	**0.00418 J**	--	< 1.00 U	< 2.00 U	< 1.00 U	< 1.00 U	--	--	**154**	**633**
	11/6/2014	N		**0.0105 J**	--	**0.00148 J**	--	--	< 0.0100 U	< 0.200 UJ	--	**0.00360 J**	--	< 1.00 U	< 2.00 U	< 1.00 U	< 1.00 U	--	--	**91.5**	**446**
	6/1/2015	N		**0.0296**	--	**0.00157 J**	--	--	< 0.0100 U	< 0.200 U	--	< 0.0200 U	--	< 1.00 U	< 2.00 U	< 1.00 U	< 1.00 U	--	--	**90.1**	**580**
	11/5/2015	N		**0.0241**	--	**0.00148 J**	--	--	< 0.0100 U	< 0.200 U	--	< 0.0200 U	--	--	--	--	--	--	--	**82.4**	**539**
	5/16/2016	N		**0.0222**	--	< 0.00136 U	--	< 0.00548 U	--	--	--	--	--	--	--	--	--	--	--	**356 X**	**875**
	5/16/2016	FD		**0.0227**	--	< 0.00136 U	--	< 0.00548 U	--	--	--	--	--	--	--	--	--	--	--	**316**	**919**
	9/21/2016	N		**0.0168**	--	< 0.00136 U	--	< 0.01 U	--	< 0.00616 U	--	< 0.000585 U	--	--	--	--	--	--	--	**261**	**865**
	5/11/2017	N		**0.0144**	--	**0.00256 J**	--	< 0.01 U	--	**0.03 J**	--	**0.0012 J**	--	--	--	--	--	--	--	**249**	**588**
	9/21/2017	N		**0.0194**	--	**0.00147 J**	--	--	< 0.0100 U	**0.0315 J**	--	**0.000561 J**	--	--	--	--	--	--	--	**202**	**778**

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ARCADIS Design & Consultancy for natural and built assets

		Chemical Name	Dissolved Arsenic	Total Arsenic	Dissolved Chromium	Total Chromium	Dissolved Chromium, Hexavalent	Total Chromium, Hexavalent	Dissolved Iron	Total Iron	Dissolved Manganese	Total Manganese	Benzene	Toluene	Ethylbenzene	Total Xylenes	DRO	GRO	Chloride	TDS
		Units	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	ug/l	ug/l	ug/l	ug/l	mg/l	mg/l	mg/l	mg/l
		NMWQCC Standard	0.01	0.01	0.05	0.05	0.05	0.05	1	1	0.2	0.2	5	1,000	700	620			250	1000
Location ID	Sample Date	Sample Type																		
	3/29/2018	Reg	--	0.0179	--	0.00135 J	--	< 0.0100 U	< 0.1	--	--	0.000316 J	--	--	--	--	--	--	241	662
	9/13/2018	Reg	0.0189 J	--	< 0.0200 U	--	< 0.0100 U	--	--	< 0.500 U	0.00159 J	--	--	--	--	--	--	--	245	726

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Location ID	Sample Date	Sample Type	Chemical Name	Dissolved Arsenic	Total Arsenic	Dissolved Chromium	Total Chromium	Dissolved Chromium, Hexavalent	Total Chromium, Hexavalent	Dissolved Iron	Total Iron	Dissolved Manganese	Total Manganese	Benzene	Toluene	Ethylbenzene	Total Xylenes	DRO	GRO	Chloride	TDS
			Units	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	ug/l	ug/l	ug/l	ug/l	mg/l	mg/l	mg/l	mg/l
			NMWQCC Standard	0.01	0.01	0.05	0.05	0.05	0.05	1	1	0.2	0.2	5	1,000	700	620			250	1000
MW030P	5/9/2014	N		**0.0416**	--	< 0.0100 U	--	--	< 0.0500 U	**4.76**	--	**2.39**	--	< 1.00 U	< 2.00 U	< 1.00 U	< 1.00 U	--	--	**264**	**2,920**
	6/1/2015	N		**0.0393**	--	**0.00189 J**	--	--	< 0.0500 U	**7.21**	--	**0.628**	--	< 1.00 U	< 2.00 U	< 1.00 U	< 1.00 U	--	--	**445**	**3,780**
	5/19/2016	N		**0.105**	--	**0.00272 J**	--	**0.0171**	--	--	--	--	--	--	--	--	--	--	--	**388**	**3,960**
	5/4/2017	N		**0.239**	--	**0.0101**	--	**0.027**	--	**65.3**	--	**0.465**	--	--	--	--	--	--	--	**478**	**2,020**
MW031	4/25/2002	N		--	--	< 0.05 U	--	< 0.005 U	--	< 0.1 U	**0.2**	**0.13**	**0.14**	--	--	--	--	--	--	**200**	**990**
	9/10/2002	N		--	--	< 0.05 U	--	< 0.005 U	--	--	--	--	--	--	--	--	--	--	--	**70**	--
	12/18/2002	N		--	--	--	--	< 0.005 U	--	--	--	--	--	--	--	--	--	--	--	**70**	--
	3/10/2003	N		--	--	--	--	< 0.005 U	--	--	--	--	--	--	--	--	--	--	--	**150**	--
	5/28/2003	N		--	--	--	--	< 0.005 U	--	--	--	--	--	--	--	--	--	--	--	**100**	--
	1/12/2004	N		--	--	< 0.01 U	--	< 0.005 U	--	--	--	--	--	--	--	--	--	--	--	**100**	--
	6/15/2004	N		--	--	< 0.05 U	--	< 0.005 U	--	--	--	--	--	--	--	--	--	--	--	**80**	--
	12/9/2004	N		--	--	< 0.01 U	--	< 0.005 U	--	--	--	--	--	--	--	--	--	--	--	**110**	--
	5/24/2005	N		--	--	< 0.01 U	--	--	--	--	--	--	--	--	--	--	--	--	--	**110**	--
	1/19/2006	N		--	< 0.02 U	--	< 0.015 U	--	< 0.02 U	--	**0.205**	**0.488**	**0.488**	< 1 U	< 1 U	< 1 U	< 3 U	< 0.6 U	< 0.6 U	**113**	**794**
	6/21/2006	N		--	**0.0212**	--	< 0.015 U	--	< 0.02 U	--	< 0.2 U	**0.566**	**0.566**	< 1 U	< 1 U	< 1 U	< 3 U	**0.36**	< 0.05 U	**131**	**781**
	3/28/2007	N		--	**0.0227**	--	< 0.015 U	--	< 0.02 U	--	**0.02**	**0.567**	**0.567**	< 1 U	< 1 U	< 1 U	< 3 U	**0.21**	< 0.05 U	**97.3**	--
	9/11/2007	N		--	**0.0205**	--	< 0.015 U	--	< 0.02 U	--	**0.329**	**0.557**	**0.557**	< 1 U	< 1 U	< 1 U	< 3 U	**0.23**	< 0.05 U	**104**	--
	3/20/2008	N		--	< 0.02 U	--	< 0.015 U	--	< 0.02 U	--	**0.384**	**0.533**	**0.533**	< 1 U	**1.1**	**3.1**	< 3 U	**0.23**	< 0.05 U	**103**	**724**
	8/5/2008	N		--	**0.0243**	--	< 0.015 U	--	< 0.02 U	--	**0.321**	**0.518**	**0.518**	< 1 U	< 1 U	< 1 U	< 3 U	**0.26**	< 0.05 U	**90.4**	**714**
	3/24/2009	N		--	**0.0257**	--	< 0.015 U	--	< 0.02 U	--	**0.482**	**0.513**	**0.513**	< 1 U	< 1 U	< 1 U	< 3 U	**0.15**	< 0.05 U	**121**	**703**
	8/4/2009	N		--	**0.0253**	--	< 0.015 U	--	< 0.02 U	--	< 0.2 U	**0.532**	**0.532**	< 1 U	< 1 U	< 1 U	< 3 U	**0.17**	< 0.05 U	**95.9**	**711**
	3/2/2010	N		--	< 0.05 U	--	< 0.05 U	--	< 0.01 U	--	**0.158**	**0.535**	**0.535**	< 1 U	< 2 U	< 1 U	< 1 U	**0.12**	< 0.05 U	**92**	**836**
	8/5/2010	N		--	**0.022**	--	< 0.05 U	--	< 0.01 U	--	< 0.1 U	**0.4**	**0.4**	< 1 U	< 2 U	< 1 U	< 1 U	**0.24**	< 0.05 U	**90.3**	**666**
	5/24/2012	N		**0.0227**	--	< 0.0100 U	--	--	< 0.0100 U	< 0.200 U	--	**0.499**	--	< 1.00 U	< 2.00 U	< 1.00 U	< 1.00 U	--	--	**103**	**826**
	10/31/2012	N		--	< 0.0100 U	--	< 0.0100 U	--	< 0.0100 U	--	**0.692**	**0.588**	**0.588**	< 1.00 U	< 2.00 U	< 1.00 U	< 1.00 U	--	--	**107**	**684**
	5/14/2013	N		**0.0122 J**	--	< 0.0100 U	--	--	< 0.0100 U	< 0.200 U	--	**0.438**	--	< 1.00 U	< 2.00 U	< 1.00 U	< 1.00 U	--	--	**106**	**802**
	10/31/2013	N		**0.0124 J**	--	< 0.0100 U	--	--	< 0.0100 U	< 0.200 U	--	**0.222**	--	< 1.00 U	< 2.00 U	< 1.00 U	< 1.00 U	--	--	**98.3**	**761**
	5/12/2014	N		**0.0145 J**	--	< 0.0100 U	--	--	< 0.0100 U	< 0.200 U	--	**0.166**	--	< 1.00 U	< 2.00 U	< 1.00 U	< 1.00 U	--	--	**106**	**780**
	11/6/2014	N		< 0.0200 U	--	**0.00296 J**	--	--	< 0.0100 U	< 0.200 UJ	--	**0.0254**	--	< 1.00 U	< 2.00 U	< 1.00 U	< 1.00 U	--	--	**96.8**	**1,160**
	5/21/2015	N		**0.00902 J**	--	**0.00100 J**	--	--	< 0.0100 U	< 0.200 U	--	**0.261**	--	< 1.00 U	< 2.00 U	< 1.00 U	< 1.00 U	--	--	**100**	**801**
	11/5/2015	N		< 0.0200 UJ	--	**0.00481 J**	--	--	< 0.0100 U	< 0.200 U	--	**0.0126 J**	--	--	--	--	--	--	--	**106**	**801**
	5/13/2016	N		**0.0211**	--	< 0.00136 U	--	< 0.00548 U	--	--	--	--	--	--	--	--	--	--	--	**118**	**725**
	9/21/2016	N		**0.00691 J**	--	< 0.00136 U	--	< 0.01 U	--	< 0.00616 U	--	**0.0218**	--	--	--	--	--	--	--	**125**	**741**
	5/11/2017	N		**0.0144**	--	**0.00175 J**	--	< 0.01 U	--	**0.0059 J**	--	**0.000627 J**	--	--	--	--	--	--	--	**138**	**780**
	9/21/2017	N		**0.0227**	--	< 0.00400 U	--	--	< 0.0100 U	**0.0475 J**	--	**0.815**	--	--	--	--	--	--	--	**166**	**854**
	3/29/2018	Reg		--	**0.0511**	--	< 0.00400 U	--	< 0.0100 U	**0.538**	--	--	**1.36**	--	--	--	--	--	--	**228**	**840**
	9/13/2018	Reg		**0.102**	--	< 0.0200 U	--	< 0.0100 U	--	--	**4.17**	**1.02**	--	--	--	--	--	--	--	**233**	**832**
MW032	4/2/2002	N		--	--	--	< 0.05 U	--	< 0.005 U	< 0.1 U	**0.2**	< 0.05 U	< 0.05 U	--	--	--	--	--	--	**280**	**1,320**
	9/4/2002	N		--	--	< 0.05 U	--	< 0.005 U	--	--	--	--	--	--	--	--	--	--	--	**400**	--
	12/18/2002	N		--	--	--	--	< 0.005 U	--	--	--	--	--	--	--	--	--	--	--	**480**	--
	3/10/2003	N		--	--	--	--	< 0.005 U	--	--	--	--	--	--	--	--	--	--	--	**450**	--
	5/22/2003	N		--	--	--	--	< 0.005 U	--	--	--	--	--	--	--	--	--	--	--	**640**	--
	1/7/2004	N		--	--	< 0.01 U	--	< 0.005 U	--	--	--	--	--	--	--	--	--	--	--	**820**	--
	6/15/2004	N		--	--	< 0.05 U	--	< 0.005 U	--	--	--	--	--	--	--	--	--	--	--	**220**	--
	12/8/2004	N		--	--	< 0.01 U	--	< 0.005 U	--	--	--	--	--	--	--	--	--	--	--	**360**	--
	5/24/2005	N		--	--	< 0.01 U	--	--	--	--	--	--	--	--	--	--	--	--	--	**380**	--
	1/19/2006	N		--	< 0.02 U	--	**0.0405**	--	< 0.02 U	--	**0.354**	**0.0051**	**0.0051**	< 1 U	< 1 U	< 1 U	< 3 U	< 0.6 U	< 0.6 U	**279**	**1,010**
	6/21/2006	N		--	< 0.02 U	--	**0.0261**	--	< 0.02 U	--	< 0.2 U	< 0.005 U	< 0.005 U	< 1 U	< 1 U	< 1 U	< 3 U	**0.14**	< 0.05 U	**249**	**1,060**
	4/13/2007	N		--	< 0.02 U	--	**0.0195**	--	< 0.02 U	--	**0.517**	**0.0183**	**0.0183**	< 1 U	< 1 U	< 1 U	< 3 U	**0.19**	< 0.05 U	**246**	--
	9/7/2007	N		--	< 0.02 U	--	< 0.015 U	--	< 0.02 U	--	**0.217**	**0.0059**	**0.0059**	< 1 U	< 1 U	< 1 U	< 3 U	**0.21**	< 0.05 U	**228**	--
	4/7/2008	N		--	< 0.02 U	--	< 0.015 U	--	< 0.02 U	--	< 0.2 U	< 0.005 U	< 0.005 U	**10**	**2.2**	< 1 U	< 3 U	< 0.095 U	< 0.05 U	**255**	**1,180**
	8/14/2008	N		--	< 0.02 U	--	< 0.015 U	--	< 0.02 U	--	< 0.2 U	**0.0114**	**0.0114**	**1.2**	**1.2**	**2.3**	< 3 U	< 0.1 U	< 0.05 U	**268**	**1,160**
	3/30/2009	N		--	< 0.02 U	--	< 0.015 U	--	< 0.02 U	--	< 0.2 U	< 0.005 U	< 0.005 U	< 1 U	< 1 U	< 1 U	< 3 U	< 0.1 U	< 0.05 U	**255**	**1,250**
	8/6/2009	N		--	< 0.02 U	--	< 0.015 U	--	< 0.02 U	--	< 0.2 U	**0.0059**	**0.0059**	< 1 U	< 1 U	< 1 U	< 3 U	**0.49**	**0.24**	**227**	**1,160**
	3/3/2010	N		--	< 0.05 U	--	< 0.05 U	--	< 0.01 U	--	**0.281**	< 0.050 U	< 0.050 U	< 1 U	< 2 U	**1.8**	**2.3**	**0.108**	< 0.05 U	**236**	**1,260**
	8/5/2010	N		--	**0.012**	--	< 0.05 U	--	< 0.01 U	--	< 0.1 U	< 0.050 U	< 0.050 U	< 1 U	< 2 U	< 1 U	< 1 U	**0.081**	< 0.05 U	**214**	**1,100**
	5/24/2012	N		< 0.0100 U	--	< 0.0100 U	--	--	< 0.0100 U	< 0.200 U	--	< 0.0200 U	--	< 1.00 U	< 2.00 U	< 1.00 U	< 1.00 U	--	--	**238**	**1,270**
	10/30/2012	N		--	< 0.0100 U	--	< 0.0100 U	--	< 0.0100 U	--	< 0.200 U	< 0.0200 U	< 0.0200 U	< 1.00 U	< 2.00 U	< 1.00 U	< 1.00 U	--	--	**231**	**1,140**
	5/20/2013	N		< 0.0200 U	--	**0.00705 J**	--	--	< 0.0100 U	< 0.200 U	--	< 0.0200 U	--	< 1.00 U	< 2.00 U	< 1.00 U	< 1.00 U	--	--	**226**	**959**
	11/6/2013	N		< 0.0200 U	--	< 0.0100 U	--	--	< 0.0100 U	< 0.200 U	--	< 0.0200 U	--	< 1.00 U	< 2.00 U	< 1.00 U	< 1.00 U	--	--	**212**	**1,110**
	5/12/2014	N		**0.00904 J**	--	< 0.0100 UJ	--	--	**0.00930 J**	< 0.200 U	--	< 0.0200 U	--	< 1.00 U	< 2.00 U	< 1.00 U	< 1.00 U	--	--	**299**	**1,310**
	11/5/2014	N		< 0.0200 U	--	**0.00150 J**	--	--	< 0.0100 U	< 0.200 U	--	**0.00963 J**	--	< 1.00 U	< 2.00 U	< 1.00 U	< 1.00 U	--	--	**221**	**1,150**

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		Chemical Name	Dissolved Arsenic	Total Arsenic	Dissolved Chromium	Total Chromium	Dissolved Chromium, Hexavalent	Total Chromium, Hexavalent	Dissolved Iron	Total Iron	Dissolved Manganese	Total Manganese	Benzene	Toluene	Ethylbenzene	Total Xylenes	DRO	GRO	Chloride	TDS
		Units	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	ug/l	ug/l	ug/l	ug/l	mg/l	mg/l	mg/l	mg/l
		NMWQCC Standard	0.01	0.01	0.05	0.05	0.05	0.05	1	1	0.2	0.2	5	1,000	700	620			250	1000
Location ID	Sample Date	Sample Type																		
	5/20/2015	N	**0.0143 J**	--	**0.00319 J**	--	--	< 0.0100 U	< 0.200 UJ	--	< 0.0200 U	--	< 1.00 U	< 2.00 U	< 1.00 U	< 1.00 U	--	--	**252**	**1,120**
	11/4/2015	N	< 0.0200 U	--	< 0.0100 U	--	--	< 0.0100 U	< 0.200 U	--	< 0.0200 U	--	--	--	--	--	--	--	**239**	**1,110**
	5/13/2016	N	**0.0156**	--	< 0.00136 U	--	< 0.00548 U	--	--	--	--	--	< 0.408 U	< 1 U	< 0.657 U	< 0.642 U	< 0.987 U	< 0.987 U	**231**	**1,110**
MW032	9/20/2016	N	< 0.00336 U	--	**0.00301 J**	--	< 0.01 U	--	**0.0345 J**	--	**0.0205**	--	--	--	--	--	--	--	**244**	**1,050**
	9/22/2017	N	**0.00397**	--	**0.00188 J**	--	< 0.01 U	--	**0.0228 J**	--	**0.00117 J**	--	--	--	--	--	--	--	**250**	**1,400**
	4/3/2018	Reg	--	**0.00332**	--	**0.00177 J**	--	< 0.0100 U	< 0.100 U	--	--	**0.000594 J**	--	--	--	--	--	--	**285**	**1,190**
	9/13/2018	Reg	**0.00389 J**	--	< 0.0200 U	--	< 0.0100 U	--	--	< 0.500 U	**0.00249 J**	--	--	--	--	--	--	--	**309**	**1,190**
	4/3/2002	N	--	--	< 0.05 U	--	< 0.005 U	--	< 0.1 U	**0.5**	**0.5**	**0.52**	**350**	**3200**	**400**	**800**	**0.58**	**11**	**750**	**2,280**
	4/3/2002	FD	--	--	< 0.05 U	--	< 0.005 U	--	**0.2**	**0.7**	**0.51**	**0.52**	**300**	**2900**	**400**	**700**	**0.68**	**12.4**	**790**	**2,250**
	9/23/2002	N	--	--	< 0.05 U	--	< 0.005 U	--	--	--	--	--	**700**	**8000**	**1000**	**1500**	**0.64**	**28**	**850**	--
	1/8/2003	N	--	--	--	--	< 0.005 U	--	--	--	--	--	**800**	**5400**	**900**	**1100**	**0.57**	**18**	**840**	--
	3/27/2003	N	--	--	--	--	< 0.005 U	--	--	--	--	--	**570**	**520**	**640**	**310**	**0.54**	**4.2**	**780**	--
	6/5/2003	N	--	--	--	--	< 0.005 U	--	--	--	--	--	**480**	**70**	**480**	**30**	**0.61**	**2.3**	**710**	--
	1/7/2004	N	--	--	< 0.05 U	--	< 0.005 U	--	--	--	--	--	**490**	**1000**	**300**	**330**	**0.54**	**6**	**730**	--
	7/28/2004	N	--	--	< 0.01 U	--	**0.006**	--	--	--	--	--	**440**	**87**	**280**	**50**	**0.56**	**3.2**	**610**	--
	7/28/2004	FD	--	--	< 0.01 U	--	**0.008**	--	--	--	--	--	**440**	**270**	**300**	**120**	**0.66**	**3.3**	**660**	--
	1/13/2005	N	--	--	< 0.01 U	--	< 0.005 U	--	--	--	--	--	**490**	**1600**	**470**	**530**	**0.49**	**9.8**	**840**	--
	1/13/2005	FD	--	--	< 0.01 U	--	< 0.005 U	--	--	--	--	--	**530**	**1800**	**530**	**570**	**0.37**	**10**	**880**	--
	5/25/2005	N	--	--	< 0.01 U	--	--	--	--	--	--	--	**380**	**1300**	**400**	**430**	**0.47**	**9.3**	**770**	--
MW033	1/27/2006	N	--	< 0.02 U	--	< 0.015 U	--	< 0.02 U	--	**1.31**	**0.525**	**0.525**	**370**	**960**	**420**	**450**	< 0.6 U	**1.4**	**795**	**2,010**
	1/27/2006	FD	--	< 0.02 U	--	< 0.015 U	--	< 0.02 U	--	**1.23**	**0.482**	**0.482**	**360**	**920**	**400**	**430**	< 0.6 U	**1.7**	**790**	**2,100**
	6/26/2006	N	--	< 0.02 U	--	< 0.015 U	--	< 0.02 U	--	**1.03**	**0.5**	**0.5**	**250**	**680**	**340**	**350**	**0.88**	**4.6**	**779**	**2,070**
	4/23/2007	N	--	< 0.02 U	--	< 0.015 U	--	< 0.02 U	--	**0.661**	**0.478**	**0.478**	**190**	**320**	**380**	**200**	**1.1**	**3.1**	**495**	--
	9/21/2007	N	--	< 0.02 U	--	< 0.015 U	--	< 0.02 U	--	**0.515**	**0.725**	**0.725**	**180**	**380**	**400**	**190**	**1.4**	**2.9**	**539**	--
	3/19/2008	N	--	< 0.02 U	--	< 0.015 U	--	< 0.02 U	--	**0.689**	**1.44**	**1.44**	**170**	**380**	**420**	**200**	**1.3**	**3.4**	**723**	**1,950**
	8/13/2008	N	--	< 0.02 U	--	< 0.015 U	--	< 0.02 U	--	**0.314**	**1.73**	**1.73**	**140**	**93**	**210**	**49**	**0.73**	**1.5**	**818**	**2,050**
	4/1/2009	N	--	< 0.02 U	--	< 0.015 U	--	< 0.02 U	--	**0.389**	**1.15**	**1.15**	**180**	**190**	**280**	**110**	**0.99**	**2.4**	**699**	**1,940**
	8/24/2009	N	--	< 0.02 U	--	< 0.015 U	--	< 0.02 U	--	< 0.2 U	**1.04**	**1.04**	**180**	**150**	**260**	**85**	**0.89**	**2**	**915**	**1,870**
	3/17/2010	N	--	< 0.05 U	--	< 0.050 U	--	**0.042**	--	**0.193**	**1.44**	**1.44**	**126**	**115**	**217**	**82**	**0.586**	**1.11**	**637**	**2,160**
	8/18/2010	N	--	< 0.01 U	--	< 0.050 U	--	**0.052**	--	< 0.1 U	**0.886**	**0.886**	**108.5**	**81.7**	**177.7**	**66.2**	**0.487**	**1.12**	**542**	**1,920**
	5/17/2012	N	< 0.0100 UJ	--	< 0.0100 U	--	--	< 0.0100 U	< 0.200 U	--	**0.576**	--	**11.2**	< 2.00 U	**4.51**	< 1.00 U	--	--	**430 J**	**1,770**
	11/6/2012	N	--	< 0.0100 U	--	< 0.0100 U	--	< 0.0100 U	--	< 0.200 U	**0.777**	**0.777**	**117**	< 2.00 U	**105**	< 1.00 U	--	--	**536**	**1,480**
	5/20/2013	N	< 0.0200 U	--	< 0.0100 U	--	--	**0.0165**	< 0.200 U	--	**0.683**	--	**33.5**	< 2.00 U	**13.3**	< 1.00 U	--	--	**447**	**1,450**
	4/3/2002	N	--	--	**0.26**	--	**0.28**	--	< 0.1 U	**0.2**	< 0.05 U	**0.06**	--	--	--	--	--	--	**440**	**2,200**
	5/20/2002	N	--	--	**0.33**	--	--	**0.31**	--	--	--	--	--	--	--	--	--	--	--	--
	9/17/2002	N	--	--	**0.33**	--	**0.22**	--	--	--	--	--	--	--	--	--	--	--	**470**	--
	12/5/2002	N	--	--	**0.28**	--	**0.23**	--	--	--	--	--	< 2 U	< 2 U	< 2 U	< 2 U	< 0.5 U	< 0.05 U	**500**	--
	3/18/2003	N	--	--	--	--	**0.26**	--	--	--	--	--	< 2 U	< 2 U	< 2 U	< 2 U	< 0.25 U	< 0.05 U	**580**	--
	6/2/2003	N	--	--	--	--	**0.231**	--	--	--	--	--	< 2 U	< 2 U	< 2 U	< 2 U	< 0.25 U	< 0.05 U	**620**	--
	1/19/2004	N	--	--	**0.07**	--	**0.062**	--	--	--	--	--	< 2 U	< 2 U	< 2 U	< 6 U	< 0.25 U	< 0.05 U	**550**	--
	6/24/2004	N	--	--	**0.07**	--	**0.057**	--	--	--	--	--	< 2 U	< 2 U	< 2 U	< 6 U	< 0.25 U	< 0.05 U	**490**	--
	1/5/2005	N	--	--	**0.14**	--	**0.11**	--	--	--	--	--	< 2 U	< 2 U	< 2 U	< 6 U	< 0.25 U	< 0.05 U	**540**	--
	6/7/2005	N	--	--	**0.11**	--	--	--	--	--	--	--	< 2 U	< 2 U	< 2 U	< 6 U	< 0.25 U	< 0.05 U	**480**	--
MW034	1/25/2006	N	--	< 0.02 U	--	**0.0838**	--	**0.08**	--	< 0.2 U	< 0.005 U	< 0.005 U	< 1 U	< 1 U	< 1 U	< 3 U	< 0.6 U	< 0.6 U	**443**	**1,810**
	7/7/2006	N	--	< 0.02 U	--	**0.0533**	--	**0.045**	--	< 0.2 U	< 0.005 U	< 0.005 U	< 1 U	< 1 U	< 1 U	< 3 U	< 0.095 U	< 0.05 U	**412**	**1,690**
	4/9/2007	N	--	< 0.02 U	--	**0.0491**	--	**0.033**	--	**0.205**	< 0.005 U	< 0.005 U	< 1 U	< 1 U	< 1 U	< 3 U	< 0.095 U	< 0.05 U	**343**	--
	4/1/2008	N	--	< 0.02 U	--	**0.0612**	--	**0.049**	--	< 0.2 U	< 0.005 U	< 0.005 U	**8**	**2.2**	**1**	< 3 U	< 0.097 U	< 0.05 U	**363**	**1,380**
	3/25/2009	N	--	< 0.02 U	--	**0.0883**	--	**0.078**	--	< 0.2 U	< 0.005 U	< 0.005 U	< 1 U	< 1 U	< 1 U	< 3 U	< 0.096 U	< 0.05 U	**414**	**1,360**
	3/3/2010	N	--	< 0.05 U	--	**0.091**	--	**0.108**	--	**0.056**	< 0.050 U	< 0.050 U	< 1 U	< 2 U	< 1 U	< 1 U	**0.093**	< 0.05 U	**296**	**1,510**
	5/8/2012	N	< 0.0100 U	--	**0.092**	--	--	**0.0879**	< 0.200 U	--	< 0.0200 U	--	< 1.00 U	< 2.00 U	< 1.00 U	< 1.00 U	--	--	**473**	**2,050**
	5/16/2014	N	**0.0174 J**	--	**0.111**	--	--	**0.0881**	< 0.200 U	--	< 0.0200 U	--	< 1.00 U	< 2.00 U	< 1.00 U	< 1.00 U	--	--	**533**	**2,000**
	5/11/2015	N	< 0.0200 U	--	**0.0617**	--	--	**0.0609**	< 0.200 U	--	< 0.0200 U	--	< 1.00 U	< 2.00 U	< 1.00 U	< 1.00 U	--	--	**637**	**2,150**
	5/16/2016	N	**0.0402**	--	**0.0343**	--	**0.0358**	--	--	--	--	--	--	--	--	--	--	--	**524**	**1,840**
	5/5/2017	N	**0.00624**	--	**0.0185**	--	**0.0126**	--	**0.0438**	--	< 0.002 U	--	--	--	--	--	--	--	**431**	**1,630**
	8/30/2001	N	--	--	< 0.05 U	--	--	**0.024**	< 0.1 U	**0.2**	--	--	--	--	--	--	--	--	**85**	**620**
	1/29/2002	N	--	--	< 0.05 U	--	**0.008**	--	< 0.1 U	< 0.1 U	< 0.05 U	< 0.05 U	< 2 U	< 2 U	< 2 U	< 2 U	< 0.26 U	< 0.05 U	**300**	**1,230**
	9/11/2002	N	--	--	--	--	< 0.005 U	--	--	--	--	--	< 2 U	< 2 U	< 2 U	< 2 U	**0.25**	< 0.05 U	**80**	--
	9/12/2002	N	--	--	< 0.05 U	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	12/19/2002	N	--	--	--	--	< 0.005 U	--	--	--	--	--	< 2 U	< 2 U	< 2 U	< 2 U	< 0.25 U	< 0.05 U	**28**	--
MW035	3/5/2003	N	--	--	--	--	**0.009**	--	--	--	--	--	< 2 U	< 2 U	< 2 U	< 2 U	< 0.25 U	< 0.05 U	**100**	--
	5/27/2003	N	--	--	--	--	< 0.005 U	--	--	--	--	--	< 2 U	< 2 U	< 2 U	< 2 U	< 0.25 U	< 0.05 U	**150**	--
	1/20/2004	N	--	--	< 0.01 U	--	< 0.005 U	--	--	--	--	--	< 2 U	< 2 U	< 2 U	< 6 U	< 0.25 U	< 0.05 U	**90**	--

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Appendix E
Historical Analytical Data (through 2017)
2021 Annual Groundwater Monitoring Report
Former Eunice North Gas Plant

ARCADIS Design & Consultancy for natural and built assets

Location ID	Sample Date	Sample Type	Chemical Name	Dissolved Arsenic	Total Arsenic	Dissolved Chromium	Total Chromium	Dissolved Chromium, Hexavalent	Total Chromium, Hexavalent	Dissolved Iron	Total Iron	Dissolved Manganese	Total Manganese	Benzene	Toluene	Ethylbenzene	Total Xylenes	DRO	GRO	Chloride	TDS
			Units	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	ug/l	ug/l	ug/l	ug/l	mg/l	mg/l	mg/l	mg/l
			NMWQCC Standard	0.01	0.01	0.05	0.05	0.05	0.05	1	1	0.2	0.2	5	1,000	700	620			250	1000
MW035	6/22/2004	N		--	--	< 0.01 U	--	< 0.005 U	--	--	--	--	--	< 2 U	< 2 U	< 2 U	< 6 U	< 0.25 U	< 0.05 U	20	--
	12/21/2004	N		--	--	< 0.01 U	--	< 0.005 U	--	--	--	--	--	< 2 U	< 2 U	< 2 U	< 6 U	< 0.25 U	< 0.05 U	70	--
	5/25/2005	N		--	--	< 0.01 U	--	--	--	--	--	--	--	2	18	11	10	< 0.25 U	0.19	30	--
	1/23/2006	N		--	< 0.02 U	--	< 0.015 U	--	< 0.02 U	--	0.298	< 0.005 U	< 0.005 U	< 1 U	< 1 U	< 1 U	< 3 U	< 0.6 U	< 0.6 U	33.3	612
	6/22/2006	N		--	< 0.02 U	--	< 0.015 U	--	< 0.02 U	--	< 0.2 U	< 0.005 U	< 0.005 U	< 1 U	< 1 U	< 1 U	< 3 U	0.7	< 0.05 U	80.3	917
	4/2/2007	N		--	< 0.02 U	--	< 0.015 U	--	< 0.02 U	--	< 0.2 U	0.0052	0.0052	< 1 U	< 1 U	< 1 U	< 3 U	0.26	< 0.05 U	59.2	--
	4/2/2008	N		--	< 0.02 U	--	< 0.015 U	--	< 0.02 U	--	< 0.2 U	0.016	0.016	5.3	1.5	< 1 U	< 3 U	0.74	< 0.05 U	54.9	766
	3/24/2009	N		--	< 0.02 U	--	< 0.015 U	--	< 0.02 U	--	< 0.2 U	0.0482	0.0482	< 1 U	< 1 U	< 1 U	< 3 U	0.58	< 0.05 U	225	1,320
	3/3/2010	N		--	< 0.05 U	--	< 0.05 U	--	< 0.01 U	--	0.04	< 0.050 U	< 0.050 U	< 1 U	< 2 U	< 1 U	1.7	0.359	< 0.05 U	42.9	1,100
	5/25/2012	N		< 0.0100 U	--	< 0.0100 U	--	--	< 0.0100 U	< 0.200 U	--	0.109	--	< 1.00 UJ	< 2.00 UJ	< 1.00 UJ	< 1.00 UJ	--	--	188	1,120
	5/22/2013	N		< 0.0200 U	--	< 0.0100 U	--	--	< 0.0100 U	< 0.200 U	--	0.0538	--	< 1.00 U	< 2.00 U	< 1.00 U	< 1.00 U	--	--	157	1,100
	5/22/2013	FD		< 0.0200 U	--	< 0.0100 U	--	--	< 0.0100 U	< 0.200 U	--	0.0549	--	< 1.00 U	< 2.00 U	< 1.00 U	< 1.00 U	--	--	162	1,140
MW036	8/29/2001	N		--	--	< 0.05 U	--	--	< 0.005 U	< 0.1 U	0.2	--	--	< 2 U	5	< 2 U	47	--	--	180	1000
	2/7/2002	N		--	--	< 0.05 U	--	< 0.005 U	--	0.8	1.4	0.18	0.21	< 2 U	< 2 U	< 2 U	47	1.2	0.723	260	1,100
	9/19/2002	N		--	--	< 0.05 U	--	< 0.01 U	--	--	--	--	--	< 2 U	< 2 U	< 2 U	19	1.1	0.71	1,070	--
	1/7/2003	N		--	--	--	--	< 0.005 U	--	--	--	--	--	3	< 2 U	< 2 U	110	1.6	0.9	500	--
	3/26/2003	N		--	--	--	--	< 0.005 U	--	--	--	--	--	2	< 2 U	3	51	0.89	0.8	840	--
	6/5/2003	N		--	--	--	--	< 0.005 U	--	--	--	--	--	< 2 U	< 2 U	< 2 U	19	0.69	0.7	590	--
	1/27/2004	N		--	--	< 0.01 U	--	< 0.005 U	--	--	--	--	--	6	2	< 2 U	310	2.7	2.5	450	--
	7/27/2004	N		--	--	< 0.01 U	--	< 0.005 U	--	--	--	--	--	7	< 2 U	4	360	1.6	2.4	430	--
	1/12/2005	N		--	--	0.01	--	< 0.005 U	--	--	--	--	--	< 2 U	< 2 U	< 2 U	< 6 U	1.5	0.42	760	--
	5/31/2005	N		--	--	0.02	--	--	--	--	--	--	--	< 2 U	< 2 U	3	49	2.1	0.51	610	--
	1/26/2006	N		--	< 0.02 U	--	0.0172	--	< 0.02 U	--	3.55	0.643	0.643	1.9	< 1 U	< 1 U	70	1.5	0.6	685	1,970
	7/12/2006	N		--	< 0.02 U	--	< 0.015 U	--	< 0.02 U	--	3.54	0.607	0.607	9.6	1.3	2.6	98	3.2	0.85	663	1,740
	4/19/2007	N		--	0.0242	--	< 0.015 U	--	< 0.02 U	--	4.35	0.624	0.624	18	< 1 U	30	400	2	2.3	460	--
	4/16/2008	N		--	0.0405	--	< 0.015 U	--	< 0.02 U	--	6.17	0.327	0.327	26	< 1 U	4.6	440	3.2	3.7	183	1,040
	4/7/2009	N		--	0.0292	--	< 0.015 U	--	< 0.02 U	--	5.07	0.879	0.879	14	1	3.3	420	3.2	2.7	460	1,320
	3/16/2010	N		--	0.054	--	< 0.050 U	--	< 0.01 U	--	0.748	0.204	0.204	27	1.5	3.9	568.9	1.24	2.34	50	1,270
	5/25/2012	N		0.0408	--	< 0.0100 U	--	--	< 0.0100 U	1.2	--	0.329	--	62.1	2	14.7	592	--	--	88.9	772
	5/22/2013	N		0.00792 J	--	< 0.0100 U	--	--	< 0.100 U	< 0.200 U	--	0.454	--	67.6	< 2.00 U	120	205	--	--	51.7	795
	5/27/2014	N		0.0226	--	0.000905 J	--	--	< 0.0500 U	1.91	--	0.363	--	83.2	1.28 J	60.6	636	--	--	199	1000
	6/5/2015	N		0.0282	--	< 0.0100 U	--	--	< 0.0500 U	0.249 J	--	0.315	--	144	< 2.00 U	212	19.4	--	--	214	1,010
	5/20/2016	N		0.0471	--	< 0.00136 U	--	< 0.00548 U	--	--	--	--	--	119	< 1 U	104	136	< 0.987 U	2.09	413	1,450
	5/9/2017	N		0.00624	--	0.00153 J	--	< 0.01 U	--	29.7	--	0.358	--	407	< 10 U	588	41.1	< 1.5 U	4.41	165	914
MW037	8/29/2001	N		--	--	< 0.05 U	--	--	< 0.005 U	0.1	1	--	--	2000	< 100 U	400	700	0.56	6.48	740	2,140
	2/7/2002	N		--	--	< 0.05 U	--	< 0.005 U	--	3.8	4	0.72	0.75	1700	< 40 U	360	190	0.71	3.82	770	2,050
	2/7/2002	FD		--	--	< 0.05 U	--	< 0.005 U	--	4	4.2	0.74	0.74	1500	< 40 U	310	150	0.69	3.69	760	2,070
	9/19/2002	N		--	--	< 0.05 U	--	< 0.01 U	--	--	--	--	--	3400	< 80 U	320	100	1.3	2.5	380	--
	9/19/2002	FD		--	--	< 0.05 U	--	< 0.01 U	--	--	--	--	--	3600	< 100 U	300	100	1.3	2	440	--
	1/8/2003	N		--	--	--	--	< 0.005 U	--	--	--	--	--	3700	< 100 U	400	400	1.8	11	330	--
	1/8/2003	FD		--	--	--	--	< 0.005 U	--	--	--	--	--	3700	< 100 U	400	400	1.7	11	340	--
	3/27/2003	N		--	--	--	--	< 0.005 U	--	--	--	--	--	2800	< 80 U	420	490	1.1	2.6	280	--
	3/27/2003	FD		--	--	--	--	< 0.005 U	--	--	--	--	--	2900	< 80 U	430	520	1.4	2.9	280	--
	6/5/2003	N		--	--	--	--	< 0.005 U	--	--	--	--	--	2100	< 80 U	350	270	1.3	4.4	350	--
	6/5/2003	FD		--	--	--	--	< 0.005 U	--	--	--	--	--	2300	< 80 U	380	280	1.2	4.4	380	--
	1/27/2004	N		--	--	< 0.01 U	--	< 0.005 U	--	--	--	--	--	3600	< 40 U	610	700	1.6	13	350	--
	1/27/2004	FD		--	--	< 0.01 U	--	< 0.005 U	--	--	--	--	--	3700	< 40 U	610	600	1.5	9.5	360	--
	7/28/2004	N		--	--	< 0.05 U	--	< 0.005 U	--	--	--	--	--	4300	< 100 U	600	600	5.9	15	400	--
	1/12/2005	N		--	--	< 0.01 U	--	< 0.005 U	--	--	--	--	--	1800	< 20 U	560	230	2.3	7	460	--
	5/26/2005	N		--	--	< 0.01 U	--	--	--	--	--	--	--	1900	< 20 U	310	180	3.5	8	530	--
	1/27/2006	N		--	0.0504	--	< 0.015 U	--	< 0.02 U	--	8.41	0.882	0.882	3000	17	420	79	5.8	1.3	605	1,900
	7/13/2006	N		--	0.055	--	< 0.015 U	--	< 0.02 U	--	5.66	1.05	1.05	2200	< 5 U	140	20	5.3	5.7	585	2,130
	4/19/2007	N		--	0.058	--	< 0.015 U	--	0.02	--	8.49	0.984	0.984	2400	< 5 U	250	33	3.9	6.5	669	--
	4/16/2008	N		--	0.0794	--	< 0.015 U	--	< 0.08 U	--	10.1	1.27	1.27	1800	< 5 U	100	22	6.9	4.6	1,020	2,950
	4/7/2009	N		--	0.0732	--	< 0.015 U	--	< 0.02 U	--	13.6	1.17	1.17	73	< 1 U	40	4	2.7	0.5	1,810	3,840
	3/16/2010	N		--	< 0.05 U	--	< 0.050 U	--	< 0.01 U	--	0.14	0.121	0.121	2944	< 10 U	552.9	35	2.14	5.21	370	2,130
	5/25/2012	N		< 0.0100 U	--	< 0.0100 U	--	--	< 0.0100 U	0.667	--	0.0897	--	105	< 2.00 U	8.95	3.08	--	--	1,220	2,700
	5/15/2013	N		0.0228	--	< 0.0100 U	--	--	0.011	0.65	--	0.0291	--	6620	< 100 U	534	134	--	--	343	1,540
	5/23/2014	N		0.0225	--	< 0.0100 U	--	--	< 0.0500 U	< 0.200 U	--	0.108	--	996	< 10.0 U	113	< 5.00 U	--	--	679	2,120
	5/28/2015	N		0.0208	--	0.000821 J	--	--	0.00580 J	< 0.200 U	--	0.0406	--	1220	< 10.0 U	160	< 5.00 U	--	--	385	1,520
	5/9/2017	N		0.0604	--	0.00211 J	--	0.0025 J	--	15.1	--	0.617	--	57.2	< 2 U	42.2	< 2 U	1.36 J	1.76	647	1,510
	9/26/2017	N		0.0526	--	0.00311 J	--	< 0.01 U	--	8.7 J	--	0.178	--	252	2.71	173	< 2 U	1.51	< 1.5 U	513	1,470

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Appendix E
Historical Analytical Data (through 2017)
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ARCADIS Design & Consultancy for natural and built assets

Location ID	Sample Date	Sample Type	Chemical Name	Dissolved Arsenic	Total Arsenic	Dissolved Chromium	Total Chromium	Dissolved Chromium, Hexavalent	Total Chromium, Hexavalent	Dissolved Iron	Total Iron	Dissolved Manganese	Total Manganese	Benzene	Toluene	Ethylbenzene	Total Xylenes	DRO	GRO	Chloride	TDS
			Units	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	ug/l	ug/l	ug/l	ug/l	mg/l	mg/l	mg/l	mg/l
			NMWQCC Standard	0.01	0.01	0.05	0.05	0.05	0.05	1	1	0.2	0.2	5	1,000	700	620			250	1000
	4/4/2018	N		--	0.0433	--	0.00105 J	--	< 0.0100 U	8.01	--	--	0.0823	22.5	22.5	9.74	< 2 U	0.944 J	< 1.50 U	516	1,770
	4/4/2018	FD		--	0.0413	--	0.00107 J	--	< 0.0100 U	7.74	--	--	0.0796	25.4	25.4	11.6	< 2 U	0.961 J	< 1.50 U	432	1,400
	9/11/2018	N		0.0502	--	0.00126 J	--	< 0.0100 U	--	--	7.15	0.0653	--	71.9	< 2 U	10.8	9.77	--	< 1.50 U	549	1,470
MW038	8/29/2001	N		--	--	< 0.05 U	--	--	--	0.019	< 0.1 U	< 0.1 U	--	--	< 2 U	< 2 U	< 2 U	< 2 U	0.34	< 0.05 U	180	1,030
	2/7/2002	N		--	--	< 0.05 U	--	< 0.005 U	--	0.7	1	0.25	0.33	3	< 2 U	< 2 U	< 2 U	0.43	--	170	1,160
	9/19/2002	N		--	--	< 0.05 U	--	< 0.005 U	--	--	--	--	--	88	< 4 U	< 4 U	< 4 U	0.62	0.11	150	1,070
	1/7/2003	N		--	--	--	--	< 0.005 U	--	--	--	--	--	24	< 2 U	< 2 U	< 2 U	0.71	0.16	180	--
	3/19/2003	N		--	--	--	--	< 0.005 U	--	--	--	--	--	17	< 2 U	< 2 U	< 2 U	0.62	0.07	180	--
	6/5/2003	N		--	--	--	--	< 0.005 U	--	--	--	--	--	11	< 2 U	< 2 U	< 2 U	0.6	0.14	180	--
	1/27/2004	N		--	--	< 0.01 U	--	< 0.005 U	--	--	--	--	--	7	< 2 U	< 2 U	< 6 U	0.83	0.06	150	--
	7/28/2004	N		--	--	0.28	--	< 0.005 U	--	--	--	--	--	13	< 2 U	< 2 U	< 6 U	0.29	0.08	600	--
	1/12/2005	N		--	--	0.19	--	< 0.01 U	--	--	--	--	--	5	< 2 U	< 2 U	< 6 U	0.31	< 0.05 U	530	--
	5/31/2005	N		--	--	0.31	--	--	--	--	--	--	--	5	< 2 U	< 2 U	< 6 U	0.3	< 0.05 U	490	--
	1/26/2006	N		--	< 0.02 U	--	0.216	--	< 0.02 U	--	2.39	0.274	0.274	4.2	< 1 U	< 1 U	< 3 U	< 0.6 U	< 0.6 U	508	2,300
	7/13/2006	N		--	< 0.02 U	--	0.121	--	< 0.02 U	--	0.841	0.211	0.211	8.4	< 1 U	< 1 U	< 3 U	0.45	< 0.05 U	510	2,270
	4/19/2007	N		--	< 0.02 U	--	0.313	--	< 0.02 U	--	2.63	0.209	0.209	20	< 1 U	2.9	6.3	0.69	0.11	414	--
MW038	4/16/2008	N		--	< 0.02 U	--	0.179	--	0.13	--	0.598	0.177	0.177	< 1 U	< 1 U	< 1 U	< 3 U	0.39	< 0.05 U	260	2,060
	4/7/2009	N		--	< 0.02 U	--	0.185	--	0.13	--	< 0.2 U	0.163	0.163	< 1 U	< 1 U	< 1 U	< 3 U	0.35	< 0.05 U	301	1,760
	3/12/2010	N		--	< 0.05 U	--	< 0.05 U	--	0.052	--	0.214	0.148	0.148	< 11.9 U	< 1 U	< 1 U	< 1 U	1.83	< 0.05 U	180	1,410
	5/24/2012	N		< 0.0100 U	--	< 0.0100 U	--	--	< 0.0100 U	0.7	--	0.233	--	< 1.00 U	< 2.00 U	< 1.00 U	< 1.00 U	--	--	266	1,510
	5/23/2013	N		0.00898 J	--	< 0.0100 U	--	--	< 0.0100 U	5.25	--	0.171	--	0.609 J	< 2.00 U	< 1.00 U	< 1.00 U	--	--	147	1,020
	11/6/2013	N		0.00895 J	--	0.0205	--	--	0.0243	< 0.200 U	--	0.114	--	< 1.00 U	< 2.00 U	< 1.00 U	< 1.00 U	--	--	296	1,650
	11/6/2013	FD		< 0.0200 U	--	0.0176	--	--	0.0272	< 0.200 U	--	0.131	--	< 1.00 U	< 2.00 U	< 1.00 U	< 1.00 U	--	--	287	1,650
	5/6/2014	N		< 0.0200 U	--	< 0.0100 U	--	--	< 0.0500 U	< 0.200 U	--	0.223	--	2.82	< 2.00 U	< 1.00 U	< 1.00 U	--	--	144	1,190
	6/5/2015	N		0.0129 J	--	0.00294 J	--	--	< 0.0500 U	< 0.200 UJ	--	0.16	--	4.61	< 2.00 U	< 1.00 U	< 1.00 U	--	--	146	1,070
	5/20/2016	N		< 0.00336 U	--	0.002 J	--	< 0.00548 U	--	--	--	--	--	4.62	< 1 U	< 0.657 U	< 0.642 U	< 0.987 U	< 0.987 U	161	1,160
	5/9/2017	N		0.0114	--	0.0042	--	0.0081 J	--	9.62	--	0.14	--	9.43	< 2 U	2.96	< 2 U	1.19 J	< 1.5 U	104	966
	5/9/2017	FD		0.0116	--	0.00449	--	0.0071 J	--	9.27	--	0.114	--	7.99	< 2 U	< 2 U	< 2 U	0.988 J	1.04 J	111	1,010
	8/30/2001	N		--	--	< 0.05 U	--	--	0.14	< 0.1 U	< 0.1 U	--	--	--	--	--	--	--	--	73	550
	1/31/2002	N		--	--	0.09	--	0.14	--	< 0.1 U	< 0.1 U	< 0.05 U	< 0.05 U	< 2 U	< 2 U	< 2 U	< 2 U	< 0.26 U	< 0.05 U	190	840
	9/10/2002	N		--	--	0.11	--	< 0.005 U	--	--	--	--	--	--	--	--	--	--	--	180	--
	12/26/2002	N		--	--	--	--	0.16	--	--	--	--	--	--	--	--	--	--	--	210	--
	3/17/2003	N		--	--	--	--	0.12	--	--	--	--	--	--	--	--	--	--	--	190	--
	6/2/2003	N		--	--	--	--	0.122	--	--	--	--	--	--	--	--	--	--	--	200	--
	1/20/2004	N		--	--	0.07	--	0.056	--	--	--	--	--	--	--	--	--	--	--	150	--
	6/24/2004	N		--	--	0.12	--	0.105	--	--	--	--	--	< 2 U	< 2 U	< 2 U	< 6 U	< 0.25 U	< 0.05 U	360	--
	6/24/2004	FD		--	--	0.12	--	0.101	--	--	--	--	--	< 2 U	< 2 U	< 2 U	< 6 U	< 0.25 U	< 0.05 U	350	--
	1/6/2005	N		--	--	0.1	--	0.1	--	--	--	--	--	< 2 U	< 2 U	< 2 U	< 6 U	< 0.25 U	< 0.05 U	180	--
	1/6/2005	FD		--	--	0.1	--	0.12	--	--	--	--	--	< 2 U	< 2 U	< 2 U	< 6 U	< 0.25 U	< 0.05 U	180	--
	6/8/2005	N		--	--	0.11	--	--	--	--	--	--	--	--	--	--	--	--	--	230	--
MW039A	1/25/2006	N		--	0.0219	--	0.198	--	0.18	--	< 0.2 U	< 0.005 U	< 0.005 U	< 1 U	< 1 U	< 1 U	< 3 U	< 0.6 U	< 0.6 U	312	1,390
	7/6/2006	N		--	0.0229	--	0.217	--	0.21	--	< 0.2 U	< 0.005 U	< 0.005 U	< 1 U	< 1 U	< 1 U	< 3 U	< 0.095 U	< 0.05 U	324	1,450
	7/6/2006	FD		--	0.0251	--	0.22	--	0.21	--	< 0.2 U	< 0.005 U	< 0.005 U	< 1 U	< 1 U	< 1 U	< 3 U	< 0.095 U	< 0.05 U	328	1,470
	4/12/2007	N		--	< 0.02 U	--	0.178	--	0.18	--	< 0.2 U	< 0.005 U	< 0.005 U	< 1 U	< 1 U	< 1 U	< 3 U	< 0.097 U	< 0.05 U	299	--
	4/3/2008	N		--	< 0.02 U	--	0.265	--	0.24	--	< 0.2 U	< 0.005 U	< 0.005 U	38	5.9	1.5	< 3 U	< 0.095 U	0.1	405	1,390
	4/2/2009	N		--	< 0.02 U	--	0.297	--	0.28	--	< 0.2 U	< 0.005 U	< 0.005 U	< 1 U	< 1 U	2.2	< 3 U	< 0.096 U	< 0.05 U	365	1,660
	3/8/2010	N		--	< 0.05 U	--	0.318	--	0.308	--	0.042	< 0.050 U	< 0.050 U	1.2	< 1 U	< 1 U	< 1 U	0.164	< 0.05 U	335	1,510
	5/25/2012	N		< 0.0100 U	--	0.102	--	--	0.0974	< 0.200 U	--	< 0.0200 U	--	< 1.00 U	< 2.00 U	< 1.00 U	< 1.00 U	--	--	202	952
	5/25/2012	FD		< 0.0100 U	--	0.103	--	--	0.0984	< 0.200 U	--	< 0.0200 U	--	< 1.00 U	< 2.00 U	< 1.00 U	< 1.00 U	--	--	194	976
	5/21/2013	N		0.0133 J	--	0.101	--	--	0.0989	< 0.200 U	--	< 0.0200 U	--	< 1.00 U	< 2.00 U	< 1.00 U	< 1.00 U	--	--	186	1,030
	5/27/2014	N		0.0187 J	--	0.102	--	--	0.0948	< 0.200 U	--	< 0.0200 U	--	< 1.00 U	< 2.00 U	< 1.00 U	< 1.00 U	--	--	202	927
	6/4/2015	N		0.0237	--	0.0964	--	--	0.0932	< 0.200 UJ	--	0.00913 J	--	< 1.00 U	< 2.00 U	< 1.00 U	< 1.00 U	--	--	210	942
	4/2/2002	N		--	--	< 0.05 U	--	< 0.005 U	--	< 0.1 U	0.2	< 0.05 U	< 0.05 U	--	--	--	--	--	--	59	540
	9/5/2002	N		--	--	< 0.05 U	--	< 0.005 U	--	--	--	--	--	--	--	--	--	--	--	50	--
	12/18/2002	N		--	--	--	--	0.006	--	--	--	--	--	--	--	--	--	--	--	50	--
	3/11/2003	N		--	--	--	--	< 0.005 U	--	--	--	--	--	--	--	--	--	--	--	49	--
	5/22/2003	N		--	--	--	--	< 0.005 U	--	--	--	--	--	--	--	--	--	--	--	40	--
	1/19/2004	N		--	--	< 0.01 U	--	< 0.005 U	--	--	--	--	--	--	--	--	--	--	--	50	--
	6/16/2004	N		--	--	< 0.05 U	--	< 0.005 U	--	--	--	--	--	--	--	--	--	--	--	50	--
	6/16/2004	FD		--	--	< 0.05 U	--	< 0.005 U	--	--	--	--	--	--	--	--	--	--	--	50	--
MW040A	12/15/2004	N		--	--	< 0.01 U	--	< 0.005 U	--	--	--	--	--	--	--	--	--	--	--	60	--
	12/15/2004	FD		--	--	< 0.01 U	--	< 0.005 U	--	--	--	--	--	--	--	--	--	--	--	60	--

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Location ID	Sample Date	Sample Type	Chemical Name	Dissolved Arsenic	Total Arsenic	Dissolved Chromium	Total Chromium	Dissolved Chromium, Hexavalent	Total Chromium, Hexavalent	Dissolved Iron	Total Iron	Dissolved Manganese	Total Manganese	Benzene	Toluene	Ethylbenzene	Total Xylenes	DRO	GRO	Chloride	TDS
			Units	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	ug/l	ug/l	ug/l	ug/l	mg/l	mg/l	mg/l	mg/l
			NMWQCC Standard	0.01	0.01	0.05	0.05	0.05	0.05	1	1	0.2	0.2	5	1,000	700	620			250	1000
	5/24/2005	N		--	--	< 0.01 U	--	--	--	--	--	--	--	--	--	--	--	--	--	--	50	--
	1/20/2006	N		--	0.0234	--	< 0.015 U	--	< 0.02 U	--	< 0.2 U	< 0.005 U	< 0.005 U	< 1 U	< 1 U	< 1 U	< 3 U	< 0.6 U	< 0.6 U	53.9	491
	6/28/2006	N		--	0.0203	--	< 0.015 U	--	< 0.02 U	--	< 0.2 U	< 0.005 U	< 0.005 U	< 1 U	2.1	2.6	< 3 U	< 0.095 U	< 0.05 U	52.8	486
	4/2/2007	N		--	< 0.02 U	--	< 0.015 U	--	< 0.02 U	--	< 0.2 U	< 0.005 U	< 0.005 U	< 1 U	< 1 U	< 1 U	< 3 U	< 0.095 U	< 0.05 U	63.1	--
	9/11/2007	N		--	< 0.02 U	--	--	--	--	--	< 0.2 U	< 0.005 U	< 0.005 U	--	--	--	--	--	--	--	--
	9/12/2007	N		--	--	--	< 0.015 U	--	< 0.02 U	--	--	--	--	< 1 U	< 1 U	< 1 U	< 3 U	< 0.095 U	< 0.05 U	54	--
	3/24/2008	N		--	0.0223	--	< 0.015 U	--	< 0.02 U	--	< 0.2 U	< 0.005 U	< 0.005 U	< 1 U	< 1 U	< 1 U	< 3 U	< 0.096 U	< 0.05 U	58.8	509
	8/7/2008	N		--	< 0.02 U	--	< 0.015 U	--	< 0.02 U	--	< 0.2 U	< 0.005 U	< 0.005 U	< 1 U	< 1 U	< 1 U	< 3 U	< 0.096 U	< 0.05 U	55.3	510
	3/17/2009	N		--	< 0.02 U	--	< 0.015 U	--	< 0.02 U	--	< 0.2 U	< 0.005 U	< 0.005 U	6.8	2.5	1.1	< 3 U	< 0.098 U	< 0.05 U	54.1	506
	8/21/2009	N		--	0.0304	--	< 0.015 U	--	< 0.02 U	--	< 0.2 U	< 0.005 U	< 0.005 U	< 1 U	< 1 U	< 1 U	< 3 U	< 0.096 U	< 0.05 U	54.1	--
	3/10/2010	N		--	< 0.05 U	--	< 0.05 U	--	< 0.01 U	--	0.898	< 0.050 U	< 0.050 U	< 1 U	< 1 U	< 1 U	< 1 U	< 0.05 U	< 0.05 U	40.5	364
	8/11/2010	N		--	0.015	--	< 0.05 U	--	< 0.01 U	--	< 0.1 U	< 0.050 U	< 0.050 U	< 1 U	< 2 U	< 1 U	< 1 U	< 0.052 U	< 0.05 U	34.3	558
	5/17/2012	N		< 0.0100 UJ	--	< 0.0100 U	--	--	< 0.0100 U	< 0.200 U	--	< 0.0200 U	--	< 1.00 U	< 2.00 U	< 1.00 U	< 1.00 U	--	--	57.6 J	586
	10/29/2012	N		--	< 0.0100 U	--	< 0.0100 U	--	< 0.0100 U	--	< 0.200 U	< 0.0200 U	< 0.0200 U	< 1.00 U	< 2.00 U	< 1.00 U	< 1.00 U	--	--	50.3	510
	5/17/2013	N		0.0191 J	--	< 0.0100 U	--	--	< 0.0100 U	< 0.200 U	--	< 0.0200 U	--	< 1.00 U	< 2.00 U	< 1.00 U	< 1.00 U	--	--	50.3	448
	11/4/2013	N		0.0183 J	--	< 0.0100 U	--	--	< 0.0100 U	< 0.200 U	--	< 0.0200 U	--	< 1.00 U	< 2.00 U	< 1.00 U	< 1.00 U	--	--	48.2	488
MW040A	5/7/2014	N		0.0147 J	--	< 0.0100 UJ	--	--	0.0104	< 0.200 U	--	< 0.0200 UJ	--	< 1.00 U	< 2.00 U	< 1.00 U	< 1.00 U	--	--	51.5	423
	11/10/2014	N		0.0181 J	--	0.00225 J	--	--	< 0.0100 U	< 0.200 U	--	< 0.0200 U	--	< 1.00 U	< 2.00 U	< 1.00 U	< 1.00 U	--	--	52.9	575
	5/26/2015	N		0.0129 J	--	0.00218 J	--	--	< 0.0100 U	< 0.200 U	--	< 0.0200 U	--	< 1.00 U	< 2.00 U	< 1.00 U	< 1.00 U	--	--	47.3	444
	11/9/2015	N		0.0252	--	0.00294 J	--	--	< 0.0100 U	< 0.200 U	--	< 0.0200 U	--	--	--	--	--	--	--	52.4	516
	5/16/2016	N		0.0208	--	< 0.00136 U	--	< 0.00548 U	--	--	--	--	--	--	--	--	--	--	--	46	653
	5/16/2016	FD		0.024	--	< 0.00136 U	--	< 0.00548 U	--	--	--	--	--	--	--	--	--	--	--	52.5	451
	9/20/2016	N		0.0184	--	< 0.00136 U	--	< 0.01 U	--	< 0.00616 U	--	< 0.000585 U	--	--	--	--	--	--	--	56	495
	5/9/2017	N		0.0176	--	0.00285 J	--	< 0.01 U	--	0.00278 J	--	< 0.002 U	--	--	--	--	--	--	--	53.7	574
	9/21/2017	N		0.0187	--	0.00164 J	--	--	< 0.0100 U	< 0.100 U	--	< 0.00200 U	--	--	--	--	--	--	--	203	540
	4/2/2018	Reg		--	0.0207	--	0.00231 J	--	< 0.0100 U	< 0.100 U	--	--	0.000290 J	--	--	--	--	--	--	50.3	504
	9/13/2018	Reg		0.0195 J	--	< 0.0200 U	--	< 0.0100 U	--	--	< 0.500 U	0.00163 J	--	--	--	--	--	--	--	51.6	497
	4/29/2002	N		--	--	0.59	--	0.32	--	< 0.1 U	0.2	< 0.05 U	< 0.05 U	--	--	--	--	--	--	690	2,330
	5/20/2002	N		--	--	0.46	--	--	0.39	--	--	--	--	--	--	--	--	--	--	--	--
	9/17/2002	N		--	--	0.34	--	0.22	--	--	--	--	--	--	--	--	--	--	--	420	--
	12/5/2002	N		--	--	0.31	--	0.2	--	--	--	--	--	--	--	--	--	--	--	410	--
	3/18/2003	N		--	--	--	--	0.12	--	--	--	--	--	--	--	--	--	--	--	420	--
	6/2/2003	N		--	--	--	--	0.22	--	--	--	--	--	--	--	--	--	--	--	390	--
	1/19/2004	N		--	--	0.64	--	0.3	--	--	--	--	--	--	--	--	--	--	--	640	--
	7/1/2004	N		--	--	0.61	--	0.26	--	--	--	--	--	--	--	--	--	--	--	630	--
	1/10/2005	N		--	--	0.58	--	0.81	--	--	--	--	--	--	--	--	--	--	--	640	--
	6/7/2005	N		--	--	0.57	--	--	--	--	--	--	--	--	--	--	--	--	--	640	--
	1/26/2006	N		--	< 0.02 U	--	0.663	--	0.6	--	< 0.2 U	< 0.005 U	< 0.005 U	< 1 U	< 1 U	< 1 U	< 3 U	< 0.6 U	< 0.6 U	686	2,560
	1/26/2006	FD		--	< 0.02 U	--	0.631	--	0.62	--	< 0.2 U	< 0.005 U	< 0.005 U	< 1 U	< 1 U	< 1 U	< 3 U	< 0.6 U	< 0.6 U	787	2,650
	7/7/2006	N		--	< 0.02 U	--	0.52	--	0.53	--	< 0.2 U	< 0.005 U	< 0.005 U	< 1 U	< 1 U	< 1 U	< 3 U	< 0.095 U	< 0.05 U	616	2,600
	4/17/2007	N		--	< 0.02 U	--	0.415	--	0.4	--	< 0.2 U	< 0.005 U	< 0.005 U	< 1 U	< 1 U	< 1 U	< 3 U	< 0.097 U	< 0.05 U	509	--
	4/15/2008	N		--	< 0.02 U	--	0.393	--	0.35	--	< 0.2 U	< 0.005 U	< 0.005 U	3.8	< 1 U	< 1 U	< 3 U	1.5	< 0.05 U	530	1,830
	4/1/2009	N		--	< 0.02 U	--	0.38	--	0.35	--	< 0.2 U	< 0.005 U	< 0.005 U	1.9	4	11	3.1	< 0.096 U	0.072	449	1,880
	3/11/2010	N		--	< 0.05 U	--	< 0.05 U	--	0.443	--	0.388	0.075	0.075	< 1 U	< 1 U	< 1 U	< 1 U	0.078	< 0.05 U	408	2,180
	5/8/2012	N		< 0.0100 U	--	0.257	--	--	0.212	< 0.200 U	--	< 0.0200 U	--	< 1.00 U	< 2.00 U	< 1.00 U	< 1.00 U	--	--	357	1,580
	5/16/2014	N		0.0150 J	--	0.298	--	--	0.273	< 0.200 U	--	< 0.0200 U	--	< 1.00 U	< 2.00 U	< 1.00 U	< 1.00 U	--	--	442	1,810
	5/16/2014	FD		0.0136 J	--	0.293	--	--	0.271	< 0.200 U	--	0.0105 J	--	< 1.00 U	< 2.00 U	< 1.00 U	< 1.00 U	--	--	445	1,810
	5/11/2015	N		< 0.0200 U	--	0.164	--	--	0.0234	< 0.200 U	--	0.0121 J	--	< 1.00 U	< 2.00 U	< 1.00 U	< 1.00 U	--	--	376	1,570
	5/16/2016	N		0.0322	--	0.189	--	0.174	--	--	--	--	--	--	--	--	--	--	--	435	1,660
	5/5/2017	N		0.0093	--	0.197	--	0.203	--	0.0462	--	0.00232	--	--	--	--	--	--	--	408	1,630
	9/21/2017	N		0.0104	--	0.210 J	--	--	0.174	0.0310 J	--	0.0024	--	--	--	--	--	--	--	377	1,680
	3/29/2018	N		--	0.00948	--	0.206	--	0.184	< 0.1	--	--	0.00242	--	--	--	--	--	--	390	1,520
	9/12/2018	N		0.0103	--	0.206	--	0.167	--	--	< 0.100 U	0.00121 J	--	--	--	--	--	--	--	403	1,600
	8/30/2001	N		--	--	< 0.05 U	--	--	0.13	< 0.1 U	< 0.1 U	--	--	--	--	--	--	--	--	6,000	11,900
	1/29/2002	N		--	--	< 0.05 U	--	0.021	--	< 0.1 U	0.2	< 0.05 U	< 0.05 U	< 2 U	< 2 U	< 2 U	< 2 U	< 0.25 U	< 0.05 U	5,400	11,700
	9/5/2002	N		--	--	< 0.05 U	--	< 0.005 U	--	--	--	--	--	--	--	--	--	--	--	5,100	--
	12/18/2002	N		--	--	--	--	0.014	--	--	--	--	--	--	--	--	--	--	--	4,800	--
	3/12/2003	N		--	--	--	--	0.013	--	--	--	--	--	--	--	--	--	--	--	3,600	--
	5/28/2003	N		--	--	--	--	0.01	--	--	--	--	--	--	--	--	--	--	--	3,900	--
	1/20/2004	N		--	--	< 0.01 U	--	< 0.005 U	--	--	--	--	--	--	--	--	--	--	--	390	--
	6/15/2004	N		--	--	< 0.05 U	--	< 0.005 U	--	--	--	--	--	--	--	--	--	--	--	660	--
	12/9/2004	N		--	--	0.08	--	0.053	--	--	--	--	--	--	--	--	--	--	--	4,700	--

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Appendix E
Historical Analytical Data (through 2017)
2021 Annual Groundwater Monitoring Report
Former Eunice North Gas Plant

ARCADIS Design & Consultancy for natural and built assets

	Chemical Name	Dissolved Arsenic	Total Arsenic	Dissolved Chromium	Total Chromium	Dissolved Chromium, Hexavalent	Total Chromium, Hexavalent	Dissolved Iron	Total Iron	Dissolved Manganese	Total Manganese	Benzene	Toluene	Ethylbenzene	Total Xylenes	DRO	GRO	Chloride	TDS
	Units	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	ug/l	ug/l	ug/l	ug/l	mg/l	mg/l	mg/l	mg/l
	NMWQCC Standard	0.01	0.01	0.05	0.05	0.05	0.05	1	1	0.2	0.2	5	1,000	700	620			250	1000
Location ID	Sample Date	Sample Type																	
MW042A	6/3/2005	N	--	--	0.07	--	--	--	--	--	--	--	--	--	--	--	--	--	1,930	--
	1/19/2006	N	--	< 0.02 U	--	< 0.015 U	--	< 0.02 U	--	0.89	0.0091	0.0091	< 1 U	< 1 U	< 1 U	< 3 U	< 0.6 U	< 0.6 U	5.3	80
	6/22/2006	N	--	< 0.02 U	--	0.156	--	0.14	--	< 0.2 U	0.0056	0.0056	< 1 U	< 1 U	< 1 U	< 3 U	< 0.095 U	< 0.05 U	3,730	8,440
	6/22/2006	FD	--	< 0.02 U	--	0.157	--	0.13	--	< 0.2 U	0.0057	0.0057	< 1 U	< 1 U	< 1 U	< 3 U	< 0.095 U	< 0.05 U	3,790	8,740
	4/17/2007	N	--	< 0.02 U	--	0.172	--	0.16	--	< 0.2 U	0.0135	0.0135	< 1 U	< 1 U	< 1 U	< 3 U	< 0.097 U	< 0.05 U	4,010	--
	4/2/2008	N	--	< 0.02 U	--	0.268	--	0.26	--	< 0.2 U	0.0094	0.0094	10	2.5	< 1 U	< 3 U	< 0.095 U	< 0.05 U	3,520	7,040
	3/31/2009	N	--	< 0.02 U	--	0.351	--	0.31	--	< 0.2 U	0.0073	0.0073	< 1 U	< 1 U	< 1 U	< 3 U	0.12	< 0.05 U	2,990	7,200
	3/8/2010	N	--	< 0.05 U	--	0.46	--	0.478	--	< 0.03 U	< 0.05 U	< 0.05 U	< 1 U	< 1 U	< 1 U	< 1 U	0.126	< 0.05 U	2,760	6,370
	5/25/2012	N	< 0.0100 U	--	0.0357	--	--	0.0329	< 0.200 U	--	< 0.0200 U	--	< 1.00 UJ	< 2.00 UJ	< 1.00 UJ	< 1.00 UJ	--	--	479	1,070
	5/22/2013	N	< 0.0200 U	--	0.036	--	--	0.0315	< 0.200 U	--	< 0.0200 U	--	< 1.00 U	< 2.00 U	< 1.00 U	< 1.00 U	--	--	427	1,270
	5/22/2014	N	< 0.0200 U	--	0.0348	--	--	0.0337	< 0.200 U	--	< 0.0200 U	--	< 1.00 U	< 2.00 U	< 1.00 U	< 1.00 U	--	--	418	1,160
MW042A	6/5/2015	N	< 0.0200 U	--	0.00288 J	--	--	< 0.0100 U	< 0.200 UJ	--	0.00331 J	--	< 1.00 U	< 2.00 U	< 1.00 U	< 1.00 U	--	--	73.5	312
	5/9/2017	N	0.00693 J	--	0.391	--	0.381	--	0.0624 J	--	0.0279	--	< 2 U	< 2 U	< 2 U	< 2 U	< 1.5 U	< 1.5 U	2,470	5,270
MW043	4/25/2002	N	--	--	< 0.05 U	--	0.013	--	< 0.1 U	0.5	0.05	< 0.05 U	< 2 U	< 2 U	< 2 U	< 2 U	< 0.26 U	< 0.05 U	240	1,940
	9/11/2002	N	--	--	--	--	< 0.005 U	--	--	--	--	--	< 2 U	< 2 U	< 2 U	< 2 U	0.25	< 0.05 U	130	--
	9/12/2002	N	--	--	< 0.05 U	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	12/19/2002	N	--	--	--	--	0.6	--	--	--	--	--	< 2 U	< 2 U	< 2 U	< 2 U	0.44	< 0.05 U	820	--
	3/19/2003	N	--	--	--	--	< 0.005 U	--	--	--	--	--	< 2 U	< 2 U	< 2 U	< 2 U	< 0.25 U	< 0.05 U	180	--
	5/27/2003	N	--	--	--	--	< 0.005 U	--	--	--	--	--	< 2 U	< 2 U	< 2 U	< 2 U	< 0.26 U	< 0.05 U	200	--
	1/21/2004	N	--	--	< 0.01 U	--	< 0.005 U	--	--	--	--	--	< 2 U	< 2 U	< 2 U	< 6 U	< 0.25 U	0.07	100	--
	6/22/2004	N	--	--	< 0.01 U	--	< 0.005 U	--	--	--	--	--	< 2 U	< 2 U	< 2 U	< 6 U	0.27	0.05	80	--
	12/28/2004	N	--	--	< 0.01 U	--	< 0.005 U	--	--	--	--	--	< 2 U	< 2 U	< 2 U	< 6 U	0.79	0.062	220	--
	5/27/2005	N	--	--	< 0.01 U	--	--	--	--	--	--	--	< 2 U	< 2 U	2	< 6 U	0.43	0.058	180	--
	1/23/2006	N	--	< 0.02 U	--	< 0.015 U	--	< 0.02 U	--	< 0.2 U	2.15	2.15	< 1 U	< 1 U	< 1 U	< 3 U	< 0.6 U	< 0.6 U	746	3,040
	6/30/2006	N	--	0.04	--	< 0.015 U	--	< 0.02 U	--	< 0.2 U	0.0452	0.0452	< 1 U	< 1 U	< 1 U	< 3 U	0.2	< 0.05 U	170	1,160
	4/9/2007	N	--	0.0468	--	< 0.015 U	--	< 0.02 U	--	< 0.2 U	0.0894	0.0894	< 1 U	< 1 U	< 1 U	< 3 U	0.11	< 0.05 U	103	--
MW043	3/26/2008	N	--	0.0345	--	< 0.015 U	--	< 0.02 U	--	< 0.2 U	0.188	0.188	< 1 U	< 1 U	< 1 U	< 3 U	0.87	< 0.05 U	212	1,250
	3/24/2009	N	--	0.022	--	< 0.015 U	--	< 0.02 U	--	< 0.2 U	0.311	0.311	< 1 U	< 1 U	< 1 U	< 3 U	0.93	< 0.05 U	240	1,410
	3/3/2010	N	--	< 0.05 U	--	< 0.05 U	--	< 0.01 U	--	0.264	0.358	0.358	< 1 U	< 2 U	< 1 U	< 1 U	0.501	< 0.05 U	280	1,690
	5/23/2012	N	< 0.0100 UJ	--	< 0.0100 U	--	--	< 0.0100 U	< 0.200 U	--	0.569	--	< 1.00 U	< 2.00 U	< 1.00 U	< 1.00 U	--	--	193	1,140
	5/13/2013	N	< 0.0200 U	--	< 0.0100 U	--	--	< 0.0100 U	< 0.200 U	--	0.637	--	< 1.00 U	< 2.00 U	< 1.00 U	< 1.00 U	--	--	158	1,150
	5/13/2014	N	0.0146 J	--	< 0.0100 U	--	--	< 0.0100 U	< 0.200 U	--	0.955	--	< 1.00 U	< 2.00 U	< 1.00 U	< 1.00 U	--	--	401	1,600
	5/11/2015	N	< 0.0200 U	--	0.00100 J	--	--	< 0.0100 U	< 0.200 U	--	0.56	--	< 1.00 U	< 2.00 U	< 1.00 U	< 1.00 U	--	--	287	1,370
	5/19/2016	N	0.0133	--	0.00709 J	--	< 0.00548 U	--	--	--	--	--	< 0.408 U	< 1 U	< 0.657 U	< 0.642 U	< 0.987 U	< 0.987 U	1,230	2,800
	5/9/2017	N	0.00198 J	--	0.00207 J	--	--	--	1.31	--	0.549	--	< 2 U	< 2 U	< 2 U	< 2 U	< 1.5 U	0.987 J	712	556
	9/26/2017	N	0.00427	--	0.00202 J	--	--	--	0.739 J	--	0.626	--	< 2 U	< 2 U	< 2 U	< 2 U	< 1.5 U	< 1.5 U	530 J	1,650
	9/26/2017	FD	0.00366	--	0.00214 J	--	--	--	1.28 J	--	0.653	--	< 2 U	< 2 U	< 2 U	< 2 U	< 1.5 U	< 1.5 U	679 J	1,780
	4/3/2018	Reg	--	0.00535	--	0.00110 J	--	< 0.0100 U	0.345	--	--	0.608 J	< 2 U	< 2 U	< 2 U	0.87 J	< 1.50 U	< 1.50 U	724	1,960
	9/11/2018	Reg	0.00508	--	0.000688 J	--	< 0.0100 U	--	--	0.152	0.545	--	< 2 UJ	< 2 U	< 2 UJ	3.47 J	--	< 1.50 U	610	1,620
	9/11/2018	FD	0.00524	--	0.000605 J	--	< 0.0100 U	--	--	0.156	0.553	--	< 2 U	< 2 U	< 2 U	3.19	--	< 1.50 U	641	1,670
	4/3/2002	N	--	--	0.83	--	0.74	--	< 0.1 U	0.2	0.24	0.22	< 2 U	< 2 U	< 2 U	< 2 U	< 0.25 U	< 0.05 U	1,110	3,260
	9/18/2002	N	--	--	1.09	--	0.81	--	--	--	--	--	< 2 U	< 2 U	< 2 U	< 2 U	< 0.25 U	< 0.05 U	680	3,500
	1/2/2003	N	--	--	--	--	0.16	--	--	--	--	--	< 2 U	< 2 U	< 2 U	< 2 U	0.42	< 0.05 U	790	--
	3/17/2003	N	--	--	--	--	1.1	--	--	--	--	--	< 2 U	< 2 U	< 2 U	< 2 U	< 0.25 U	< 0.05 U	990	--
	6/4/2003	N	--	--	--	--	0.474	--	--	--	--	--	< 2 U	< 2 U	< 2 U	< 2 U	< 0.25 U	< 0.05 U	810	--
	1/19/2004	N	--	--	0.03	--	0.034	--	--	--	--	--	< 2 U	< 2 U	< 2 U	< 6 U	< 0.25 U	< 0.05 U	460	--
	6/24/2004	N	--	--	0.1	--	0.16	--	--	--	--	--	< 2 U	< 2 U	< 2 U	< 6 U	0.41	< 0.05 U	420	--
	1/5/2005	N	--	--	0.72	--	0.67	--	--	--	--	--	< 2 U	< 2 U	< 2 U	< 6 U	0.72	< 0.05 U	860	--
	6/9/2005	N	--	--	0.41	--	--	--	--	--	--	--	< 2 U	< 2 U	< 2 U	< 6 U	0.61	< 0.05 U	880	--
	2/2/2006	N	--	< 0.02 U	--	0.242	--	0.16	--	< 0.2 U	0.283	0.283	< 1 U	< 1 U	< 1 U	< 3 U	0.67	< 0.6 U	695	2,310
MW044	7/21/2006	N	--	< 0.02 U	--	< 0.015 U	--	< 0.02 U	--	< 0.2 U	0.251	0.251	< 1 U	< 1 U	< 1 U	< 3 U	2.7	< 0.05 U	540	1,670
	4/6/2007	N	--	< 0.02 U	--	< 0.015 U	--	< 0.02 U	--	0.217	0.288	0.288	< 1 U	< 1 U	< 1 U	< 3 U	3.1	< 0.05 U	430	--
	4/9/2008	N	--	< 0.02 U	--	0.13	--	0.11	--	< 0.2 U	0.548	0.548	< 1 U	< 1 U	< 1 U	< 3 U	1.1	< 0.05 U	448	1,900
	3/25/2009	N	--	< 0.02 U	--	0.108	--	0.084	--	< 0.2 U	0.393	0.393	< 1 U	< 1 U	< 1 U	< 3 U	2.4	< 0.05 U	505	1,700
	3/25/2010	N	--	< 0.05 U	--	< 0.050 U	--	< 0.01 U	--	0.117	< 0.05 U	< 0.05 U	< 1 U	< 1 U	< 1 U	< 1 U	0.215	0.067	127	1,300
	5/13/2013	N	0.00818 J	--	< 0.0100 U	--	--	< 0.0100 U	0.0456 J	--	0.0173 J	--	< 1.00 U	< 2.00 U	< 1.00 U	< 1.00 U	--	--	420	1,560
	5/20/2014	N	< 0.0200 U	--	0.00323 J	--	--	< 0.0100 U	< 0.200 U	--	0.235	--	< 1.00 U	< 2.00 U	< 1.00 U	< 1.00 U	--	--	668	1,910
	5/8/2015	N	0.0110 J	--	0.0202	--	--	0.0421	< 0.200 U	--	0.103	--	< 1.00 U	< 2.00 U	< 1.00 U	< 1.00 U	--	--	472	1,410
	5/19/2016	N	0.0161	--	0.00182 J	--	< 0.00548 U	--	--	--	--	--	< 0.408 U	< 1 U	2.37	< 0.642 U	< 0.987 U	< 0.987 U	419	1,230
	5/9/2017	N	0.00578 J	--	0.0554	--	--	--	0.178	--	0.212	--	< 2 U	< 2 U	< 2 U	< 2 U	< 1.5 U	< 1.5 U	492 J	2,620
	4/4/2018	Reg	--	0.00843	--	0.00235 J	--	< 0.0100 U	0.471	--	--	0.077	< 2 U	< 2 U	< 2 U	< 2 U	< 1.50 U	< 1.50 U	346	1,430
	4/4/2002	N	--	--	< 0.05 U	--	< 0.005 U	--	< 0.1 U	0.2	0.29	0.3	< 2 U	< 2 U	< 2 U	< 2 U	< 0.25 U	< 0.05 U	430	1,920

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Appendix E
Historical Analytical Data (through 2017)
2021 Annual Groundwater Monitoring Report
Former Eunice North Gas Plant

ARCADIS Design & Consultancy for natural and built assets

		Chemical Name	Dissolved Arsenic	Total Arsenic	Dissolved Chromium	Total Chromium	Dissolved Chromium, Hexavalent	Total Chromium, Hexavalent	Dissolved Iron	Total Iron	Dissolved Manganese	Total Manganese	Benzene	Toluene	Ethylbenzene	Total Xylenes	DRO	GRO	Chloride	TDS
		Units	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	ug/l	ug/l	ug/l	ug/l	mg/l	mg/l	mg/l	mg/l
		NMWQCC Standard	0.01	0.01	0.05	0.05	0.05	0.05	1	1	0.2	0.2	5	1,000	700	620			250	1000
Location ID	Sample Date	Sample Type																		
MW045	9/12/2002	N	--	--	< 0.05 U	--	< 0.005 U	--	--	--	--	--	< 2 U	2	< 2 U	< 2 U	< 0.24 U	< 0.05 U	550	--
	12/19/2002	N	--	--	--	--	< 0.005 U	--	--	--	--	--	< 2 U	< 2 U	< 2 U	< 2 U	< 0.25 U	< 0.05 U	540	--
	3/5/2003	N	--	--	--	--	< 0.005 U	--	--	--	--	--	< 2 U	< 2 U	< 2 U	< 2 U	< 0.25 U	< 0.05 U	540	--
	5/27/2003	N	--	--	--	--	< 0.005 U	--	--	--	--	--	< 2 U	< 2 U	< 2 U	< 2 U	< 0.26 U	< 0.05 U	520	--
	1/22/2004	N	--	--	< 0.01 U	--	< 0.005 U	--	--	--	--	--	< 2 U	< 2 U	< 2 U	< 6 U	< 0.24 U	< 0.05 U	510	--
	7/27/2004	N	--	--	< 0.05 U	--	< 0.005 U	--	--	--	--	--	--	--	--	--	--	--	450	--
	1/12/2005	N	--	--	0.31	--	< 0.005 U	--	--	--	--	--	--	--	--	--	--	--	410	--
	5/27/2005	N	--	--	< 0.01 U	--	--	--	--	--	--	--	3	< 2 U	4	< 6 U	0.32	0.1	330	--
	1/27/2006	N	--	< 0.02 U	--	< 0.015 U	--	< 0.02 U	--	< 0.2 U	0.332	0.332	< 1 U	< 1 U	< 1 U	< 3 U	1.3	< 0.6 U	328	1,490
	7/12/2006	N	--	< 0.02 U	--	< 0.015 U	--	< 0.02 U	--	< 0.2 U	0.305	0.305	< 1 U	< 1 U	1.6	4.2	2.8	0.11	373	1,650
	7/12/2006	FD	--	< 0.02 U	--	< 0.015 U	--	< 0.02 U	--	< 0.2 U	0.312	0.312	< 1 U	< 1 U	1.8	4.6	2.6	0.11	371	1,730
	4/2/2007	N	--	< 0.02 U	--	< 0.015 U	--	--	--	< 0.2 U	0.333	0.333	< 1 U	< 1 U	< 1 U	< 3 U	2.8	--	376	--
	4/17/2007	N	--	< 0.02 U	--	< 0.015 U	--	< 0.02 U	--	< 0.2 U	0.227	0.227	< 1 U	< 1 U	< 1 U	< 3 U	2.4	0.17	340	--
	4/2/2008	N	--	< 0.02 U	--	< 0.015 U	--	< 0.02 U	--	0.248	0.312	0.312	6.8	2.1	1.2	3	3.3	0.19	351	1,520
	3/24/2009	N	--	< 0.02 U	--	< 0.015 U	--	< 0.02 U	--	1.83	0.354	0.354	< 1 U	< 1 U	< 1 U	< 3 U	3.2	0.16	256	1,220
MW045	3/3/2010	N	--	< 0.05 U	--	< 0.05 U	--	< 0.05 U	--	0.207	0.316	0.316	1.3	< 2 U	5.7	20.8	1.63	0.189	148	1,280
	5/23/2012	N	< 0.0100 UJ	--	0.0118	--	--	< 0.0100 U	< 0.200 U	--	0.227	--	< 1.00 U	< 2.00 U	1.1	< 1.00 U	--	--	149	1,210
	5/22/2013	N	< 0.0200 U	--	0.0115	--	--	< 0.0100 U	< 0.200 U	--	0.248	--	< 1.00 U	< 2.00 U	< 1.00 U	< 1.00 U	--	--	134	1,190
	5/22/2014	N	0.00641 J	--	0.00701 J	--	--	< 0.0500 U	0.146 J	--	0.289	--	13.5 J	< 2.00 U	72.2	47.6	--	--	168 J	1,130
	6/5/2015	N	< 0.0200 U	--	0.00774 J	--	--	0.00650 J	< 0.200 UJ	--	0.267	--	6.09	< 2.00 U	3.72	11.9	--	--	168	1,500
	5/20/2016	N	0.00523 J	--	0.0174	--	< 0.00548 U	--	--	--	--	--	0.95 J	< 1 U	< 0.657 U	< 0.642 U	< 0.987 U	< 0.987 U	49.1	1,200
	5/9/2017	N	< 0.01 U	--	0.0197 J	--	--	--	0.0201 J	--	0.0579	--	< 2 U	< 2 U	< 2 U	< 2 U	< 1.5 U	< 1.5 U	79.8	1,450
	9/26/2017	N	0.00229	--	0.0195	--	--	--	< 0.1 U	--	0.0614	--	< 2 U	< 2 U	< 2 U	< 2 U	0.997 J	< 1.5 U	76.7	1,430
	4/5/2018	Reg	--	0.00173 J	--	0.0126	--	< 0.0100 U	< 0.100 U	--	--	0.0634	< 2 U	< 2 U	< 2 U	< 2 U	< 1.50 U	< 1.50 U	69.3	1,120
	4/5/2018	Reg	--	0.00196 J	--	0.0139	--	< 0.0100 U	< 0.100 U	--	--	0.0618	< 2 U	< 2 U	< 2 U	< 2 U	< 1.50 U	< 1.50 U	70.2	1,370
	4/5/2018	Reg	--	0.00177 J	--	0.0142	--	< 0.0100 U	< 0.100 U	--	--	0.0604	< 2 U	< 2 U	< 2 U	< 2 U	< 1.50 U	< 1.50 U	69	1,370
	9/11/2018	Reg	0.00213 J	--	0.0131	--	< 0.0100 U	--	--	< 0.100 U	0.071	--	< 2 U	< 2 U	< 2 U	< 2 U	--	< 1.50 U	72.1	1,350
MW046	4/4/2002	N	--	--	0.06	--	< 0.005 U	--	< 0.1 U	0.1	0.52	0.52	< 2 U	< 2 U	< 2 U	20	0.77	0.194	210	1,640
	9/19/2002	N	--	--	0.07	--	0.069	--	--	--	--	--	< 2 U	< 2 U	< 2 U	6	1	0.35	140	--
	9/19/2002	FD	--	--	0.07	--	0.052	--	--	--	--	--	< 2 U	< 2 U	< 2 U	8	0.92	0.34	140	--
	1/7/2003	N	--	--	--	--	< 0.005 U	--	--	--	--	--	2	17	< 2 U	16	1.9	0.43	150	--
	1/7/2003	FD	--	--	--	--	< 0.005 U	--	--	--	--	--	3	16	< 2 U	18	0.66	< 0.5 U	160	--
	3/20/2003	N	--	--	--	--	< 0.005 U	--	--	--	--	--	5	< 2 U	< 2 U	27	1.2	0.45	140	--
	3/20/2003	FD	--	--	--	--	< 0.005 U	--	--	--	--	--	5	< 2 U	< 2 U	25	1.5	0.4	150	--
	6/4/2003	N	--	--	--	--	< 0.005 U	--	--	--	--	--	6	< 2 U	< 2 U	12	1.3	0.3	120	--
	6/4/2003	FD	--	--	--	--	< 0.005 U	--	--	--	--	--	6	< 2 U	< 2 U	12	2.4	0.4	120	--
	1/27/2004	N	--	--	0.05	--	< 0.005 U	--	--	--	--	--	6	< 2 U	10	61	2.5	0.5	130	--
	1/27/2004	FD	--	--	0.05	--	< 0.005 U	--	--	--	--	--	4	< 2 U	7	44	2.5	0.45	130	--
	7/27/2004	N	--	--	0.03	--	< 0.005 U	--	--	--	--	--	2	< 2 U	7	18	2.8	0.31	140	--
	1/12/2005	N	--	--	0.02	--	< 0.005 U	--	--	--	--	--	< 2 U	< 2 U	< 2 U	< 6 U	3.4	0.25	170	--
	5/26/2005	N	--	--	0.02	--	--	--	--	--	--	--	5	3	9	27	2.7	0.4	130	--
	5/26/2005	FD	--	--	0.02	--	--	--	--	--	--	--	9	3	10	27	2.6	0.41	120	--
	1/26/2006	N	--	0.043	--	< 0.015 U	--	< 0.02 U	--	2.34	1.22	1.22	2.5	< 1 U	3.5	11	6.2	< 0.6 U	296	1,220
	7/12/2006	N	--	0.0386	--	< 0.015 U	--	< 0.02 U	--	2.51	1.32	1.32	6	1.7	10	27	4.3	0.33	376	1,360
	4/19/2007	N	--	0.0427	--	< 0.015 U	--	< 0.02 U	--	3.1	1.71	1.71	< 1 U	< 1 U	< 1 U	< 3 U	3.3	0.4	550	--
	4/17/2008	N	--	0.0388	--	< 0.015 U	--	< 0.02 U	--	3.31	1.6	1.6	21	1.1	52	26	4.6	0.55	580	1,760
	4/7/2009	N	--	0.0325	--	< 0.015 U	--	< 0.02 U	--	2.76	1.81	1.81	22	1.4	55	89	5.2	0.65	551	1,700
	3/12/2010	N	--	< 0.05 U	--	< 0.050 U	--	0.016	--	0.136	1.35	1.35	30.8	1.8	74	61.6	2.6	1.19	534	1,840
	5/23/2012	N	0.0122 J	--	< 0.0100 U	--	--	< 0.0100 U	1.63	--	1.05	--	39.8	< 2.00 U	79.1	13.1	--	--	394	1,570
	5/21/2013	N	0.0234	--	< 0.0100 U	--	--	< 0.100 U	< 0.200 UJ	--	0.741	--	52	< 2.00 U	140	69.3	--	--	307	1,440
	5/23/2014	N	0.0247	--	0.00165 J	--	--	0.0100 J	< 0.200 U	--	0.568	--	69.2	< 2.00 U	117	25.4	--	--	177	1,290
	6/4/2015	N	0.027	--	0.00664 J	--	--	< 0.0100 U	< 0.200 UJ	--	0.536	--	125	< 2.00 U	126	48.6	--	--	159	1,200
	5/20/2016	N	0.0312	--	0.00292 J	--	< 0.00548 U	--	--	--	--	--	42.3	< 1 U	25.1	22.1	< 0.986 U	< 0.986 U	138	1,450
	5/9/2017	N	0.0438	--	0.005 J	--	--	--	3.5	--	0.776	--	63	< 2 U	120	17.7	1.38 J	2.09	175	1,200
	12/9/2002	N	--	< 0.05 U	0.07	--	0.058	--	--	--	--	--	< 2 U	3	< 2 U	< 2 U	< 0.5 U	0.07	340	1,470
	3/13/2003	N	--	--	--	--	0.072	--	--	--	--	--	< 2 U	< 2 U	< 2 U	< 2 U	< 0.25 U	< 0.05 U	510	--
	5/29/2003	N	--	--	--	--	0.078	--	--	--	--	--	< 2 U	< 2 U	< 2 U	< 2 U	0.27	0.07	560	--
	1/27/2004	N	--	--	0.06	--	0.014	--	--	--	--	--	< 2 U	< 2 U	< 2 U	< 6 U	< 0.25 U	< 0.05 U	530	--
	7/27/2004	N	--	--	0.04	--	0.006	--	--	--	--	--	< 2 U	< 2 U	< 2 U	< 6 U	0.4	< 0.05 U	400	--
	1/11/2005	N	--	--	0.18	--	< 0.005 U	--	--	--	--	--	< 2 U	< 2 U	< 2 U	< 6 U	0.46	< 0.05 U	580	--
	5/24/2005	N	--	--	0.23	--	--	--	--	--	--	--	3	< 2 U	< 2 U	< 6 U	0.35	< 0.05 U	570	--
	5/24/2005	FD	--	--	0.22	--	--	--	--	--	--	--	2	< 2 U	< 2 U	< 6 U	< 0.25 U	< 0.05 U	550	--

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		Chemical Name	Dissolved Arsenic	Total Arsenic	Dissolved Chromium	Total Chromium	Dissolved Chromium, Hexavalent	Total Chromium, Hexavalent	Dissolved Iron	Total Iron	Dissolved Manganese	Total Manganese	Benzene	Toluene	Ethylbenzene	Total Xylenes	DRO	GRO	Chloride	TDS
		Units	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	ug/l	ug/l	ug/l	ug/l	mg/l	mg/l	mg/l	mg/l
		NMWQCC Standard	0.01	0.01	0.05	0.05	0.05	0.05	1	1	0.2	0.2	5	1,000	700	620			250	1000
Location ID	Sample Date	Sample Type																		
MW046A	1/26/2006	N	--	< 0.02 U	--	0.387	--	0.38	--	< 0.2 U	0.0539	0.0539	1.9	< 1 U	< 1 U	< 3 U	< 0.6 U	< 0.6 U	676	2,740
	7/12/2006	N	--	< 0.02 U	--	0.441	--	0.44	--	< 0.2 U	0.0339	0.0339	< 1 U	< 1 U	< 1 U	< 3 U	0.33	< 0.05 U	637	2,540
	4/17/2007	N	--	< 0.02 U	--	0.586	--	0.45	--	< 0.2 U	0.0257	0.0257	< 1 U	< 1 U	< 1 U	< 3 U	0.11	< 0.05 U	595	--
	4/2/2008	N	--	< 0.02 U	--	0.485	--	0.48	--	< 0.2 U	0.0159	0.0159	8.7	2.4	< 1 U	< 3 U	0.097	< 0.05 U	676	2,330
	3/31/2009	N	--	< 0.02 U	--	0.591	--	0.56	--	< 0.2 U	0.0167	0.0167	< 1 U	< 1 U	< 1 U	< 3 U	0.28	< 0.05 U	568	2,590
	3/8/2010	N	--	< 0.05 U	--	0.784	--	0.747	--	0.067	< 0.05 U	< 0.05 U	< 1 U	< 1 U	< 1 U	< 1 U	0.138	< 0.05 U	468	2,280
	5/23/2012	N	< 0.0100 UJ	--	0.0634	--	--	0.0571	< 0.200 U	--	< 0.0200 U	--	1.13	< 2.00 U	2.77	< 1.00 U	--	--	337	1,420
	5/22/2013	N	< 0.0200 U	--	< 0.0100 U	--	--	0.0573	< 0.200 U	--	< 0.0200 U	--	< 1.00 U	< 2.00 U	< 1.00 U	< 1.00 U	--	--	323	1,460
	5/22/2014	N	0.00714 J	--	0.0627	--	--	0.0585	< 0.200 U	--	< 0.0200 UJ	--	< 1.00 U	< 2.00 U	< 1.00 U	< 1.00 U	--	--	333	1,430
	5/22/2014	FD	< 0.0200 U	--	0.0612	--	--	0.058	< 0.200 U	--	< 0.0200 U	--	< 1.00 U	< 2.00 U	< 1.00 U	< 1.00 U	--	--	334 J	1,400
	6/4/2015	N	0.00810 J	--	0.0562	--	--	0.0534	< 0.200 UJ	--	0.00937 J	--	< 1.00 U	< 2.00 U	< 1.00 U	< 1.00 U	--	--	372	1,330
	5/20/2016	N	0.011	--	1.72	--	1.64	--	--	--	--	--	< 0.408 U	< 1 U	< 0.657 U	< 0.642 U	< 0.987 U	< 0.987 U	575	3,370
	5/9/2017	N	0.0103	--	1.69	--	--	--	0.105	--	0.0253	--	< 2 U	< 2 U	< 2 U	< 2 U	< 1.5 U	< 1.5 U	704	3,100
	9/26/2017	N	0.0113	--	1.84	--	--	--	0.0416 J	--	0.00285	--	< 2 U	< 2 U	< 2 U	< 2 U	< 1.5 U	< 1.5 U	639	3,040
	4/4/2018	N	--	0.01	--	1.74	--	1.57	< 0.100 U	--	--	0.0028	< 2 U	< 2 U	< 2 U	< 2 U	< 1.50 U	< 1.50 U	704	2,370
	9/11/2018	N	0.0106	--	1.77	--	1.67	--	--	< 0.100 U	0.00129 J	--	< 2 U	< 2 U	< 2 U	< 2 U	--	< 1.50 U	704	2,980
MW047	4/4/2002	N	--	--	0.42	--	0.27	--	< 0.1 U	< 0.1 U	< 0.05 U	< 0.05 U	< 2 U	< 2 U	< 2 U	< 2 U	< 0.25 U	< 0.05 U	440	2,000
	9/17/2002	N	--	--	0.5	--	0.33	--	--	--	--	--	< 2 U	< 2 U	< 2 U	< 2 U	< 0.25 U	< 0.05 U	460	--
	1/2/2003	N	--	--	--	--	0.19	--	--	--	--	--	< 2 U	< 2 U	< 2 U	< 2 U	< 0.25 U	< 0.05 U	580	--
	3/17/2003	N	--	--	--	--	0.23	--	--	--	--	--	< 2 U	< 2 U	< 2 U	< 2 U	< 0.25 U	< 0.05 U	420	--
	6/2/2003	N	--	--	--	--	0.211	--	--	--	--	--	< 2 U	< 2 U	< 2 U	< 2 U	< 0.24 U	< 0.05 U	480	--
MW047	1/20/2004	N	--	--	0.03	--	0.061	--	--	--	--	--	< 2 U	< 2 U	< 2 U	< 6 U	< 0.27 U	< 0.05 U	290	--
	6/24/2004	N	--	--	0.07	--	0.045	--	--	--	--	--	--	--	--	--	--	--	230	--
	1/5/2005	N	--	--	0.21	--	0.17	--	--	--	--	--	--	--	--	--	--	--	460	--
	6/6/2005	N	--	--	0.19	--	--	--	--	--	--	--	< 2 U	< 2 U	< 2 U	< 6 U	< 0.25 U	< 0.05 U	510	--
	1/25/2006	N	--	< 0.02 U	--	0.0854	--	0.077	--	< 0.2 U	< 0.005 U	< 0.005 U	< 1 U	< 1 U	< 1 U	< 3 U	< 0.6 U	< 0.6 U	356	1,700
	7/7/2006	N	--	< 0.02 U	--	0.0573	--	0.043	--	< 0.2 U	< 0.005 U	< 0.005 U	< 1 U	< 1 U	< 1 U	< 3 U	< 0.094 U	< 0.05 U	232	1,430
	4/16/2007	N	--	< 0.02 U	--	--	--	--	--	< 0.2 U	< 0.005 U	< 0.005 U	--	--	--	--	--	--	--	--
	4/17/2007	N	--	--	--	0.0511	--	0.03	--	--	--	--	< 1 U	< 1 U	< 1 U	< 3 U	< 0.096 U	< 0.05 U	206	--
	4/3/2008	N	--	< 0.02 U	--	0.107	--	0.11	--	< 0.2 U	< 0.005 U	< 0.005 U	4.1	1.3	< 1 U	< 3 U	< 0.097 U	< 0.05 U	212	1,190
	3/16/2010	N	--	< 0.05 U	--	0.141	--	0.015	--	0.039	< 0.050 U	< 0.050 U	< 1 U	< 1 U	< 1 U	< 1 U	0.145	< 0.05 U	340	2,630
	5/23/2012	N	< 0.0100 UJ	--	0.145	--	--	0.142	< 0.200 U	--	< 0.0200 U	--	< 1.00 U	< 2.00 U	< 1.00 U	< 1.00 U	--	--	620	2,260
	5/20/2013	N	< 0.0200 U	--	0.0487	--	--	0.0433	< 0.200 U	--	< 0.0200 U	--	< 1.00 U	< 2.00 U	< 1.00 U	< 1.00 U	--	--	248	1,770
	5/27/2014	N	0.00563 J	--	0.0518	--	--	0.0441	< 0.200 U	--	< 0.0200 U	--	< 1.00 U	< 2.00 U	< 1.00 U	< 1.00 U	--	--	285	1,730
	6/1/2015	N	0.0188 J	--	0.0641	--	--	0.0556	< 0.200 U	--	< 0.0200 U	--	< 1.00 U	< 2.00 U	< 1.00 U	< 1.00 U	--	--	244	1,520
	6/1/2015	FD	0.0115 J	--	0.0646	--	--	0.0568	< 0.200 U	--	< 0.0200 U	--	< 1.00 U	< 2.00 U	< 1.00 U	< 1.00 U	--	--	269	2,020
	5/20/2016	N	0.0146	--	0.129	--	0.109	--	--	--	--	--	--	--	--	--	--	--	493	2,690
	5/20/2016	FD	0.0115	--	0.129	--	0.1 K	--	--	--	--	--	--	--	--	--	--	--	499	2,770
	5/10/2017	N	0.00901	--	0.107	--	--	--	0.0041 J	--	< 0.002 U	--	--	--	--	--	--	--	498	2,440
	9/22/2017	N	0.0105	--	0.129	--	--	--	< 0.1 U	--	< 0.002 U	--	--	--	--	--	--	--	446	2,550
	4/4/2018	Reg	--	0.0107	--	0.0896	--	0.0746	< 0.100 U	--	--	0.000787 J	--	--	--	--	--	--	388	2,050
	9/14/2018	Reg	0.012	--	0.06	--	0.0507	--	--	< 0.100 U	< 0.00200 U	--	--	--	--	--	--	--	276	1,950
MW048SA	8/1/2002	N	--	< 0.01 U	0.16	0.16	0.156	--	--	--	--	--	< 2 U	4	< 2 U	< 2 U	< 0.28 U	< 0.05 U	490	1,690
	9/16/2002	N	--	--	0.17	--	0.12	--	--	--	--	--	< 2 U	3	< 2 U	< 2 U	--	--	430	--
	12/4/2002	N	--	--	0.18	--	0.16	--	--	--	--	--	< 2 U	< 2 U	< 2 U	< 2 U	1.5	< 0.05 U	430	--
	3/17/2003	N	--	--	--	--	0.11	--	--	--	--	--	< 2 U	< 2 U	< 2 U	< 2 U	< 0.25 U	< 0.05 U	450	--
	6/2/2003	N	--	--	--	--	0.147	--	--	--	--	--	< 2 U	< 2 U	< 2 U	< 2 U	< 0.23 U	< 0.05 U	470	--
	12/17/2003	N	--	--	0.16	--	0.085	--	--	--	--	--	< 2 U	< 2 U	< 2 U	< 6 U	< 0.26 U	< 0.05 U	400	--
	6/29/2004	N	--	--	0.18	--	0.13	--	--	--	--	--	--	--	--	--	--	--	470	--
	1/6/2005	N	--	--	0.18	--	0.22	--	--	--	--	--	--	--	--	--	--	--	480	--
	6/7/2005	N	--	--	0.16	--	--	--	--	--	--	--	< 2 U	< 2 U	< 2 U	< 6 U	< 0.25 U	< 0.05 U	540	--
	6/7/2005	FD	--	--	0.15	--	--	--	--	--	--	--	< 2 U	< 2 U	< 2 U	< 6 U	< 0.25 U	< 0.05 U	620	--
	1/25/2006	N	--	< 0.02 U	--	0.171	--	0.17	--	1.16	0.0173	0.0173	< 1 U	< 1 U	< 1 U	< 3 U	< 0.6 U	< 0.6 U	437	1,430
	7/11/2006	N	--	< 0.02 U	--	0.176	--	0.17	--	< 0.2 U	< 0.005 U	< 0.005 U	< 1 U	< 1 U	< 1 U	< 3 U	< 0.094 U	< 0.05 U	586	1,900
	4/10/2007	N	--	< 0.02 U	--	0.228	--	0.21	--	< 0.295 U	0.0072	0.0072	< 1 U	< 1 U	< 1 U	< 3 U	--	< 0.05 U	453	--
	9/20/2007	N	--	0.0207	--	0.253	--	0.23	--	< 0.2 U	< 0.005 U	< 0.005 U	< 1 U	< 1 U	< 1 U	< 3 U	< 0.097 U	< 0.05 U	464	--
	4/1/2008	N	--	< 0.02 U	--	0.272	--	0.26	--	0.264	< 0.005 U	< 0.005 U	6.9	1.9	< 1 U	< 3 U	< 0.099 U	< 0.05 U	497	1,640
	8/20/2008	N	--	< 0.02 U	--	0.305	--	0.32	--	< 0.2 U	< 0.005 U	< 0.005 U	< 1 U	< 1 U	< 1 U	< 3 U	< 0.1 U	< 0.05 U	510	1,720
	3/26/2009	N	--	< 0.02 U	--	0.294	--	0.3	--	< 0.2 U	< 0.005 U	< 0.005 U	< 1 U	< 1 U	< 1 U	< 3 U	< 0.095 U	< 0.05 U	589	1,740
	8/12/2009	N	--	< 0.02 U	--	0.31	--	0.32	--	< 0.2 U	< 0.005 U	< 0.005 U	< 1 U	< 1 U	< 1 U	< 3 U	< 0.096 U	< 0.05 U	492	1,740
	3/5/2010	N	--	0.053	--	0.345	--	0.348	--	0.115	< 0.050 U	< 0.050 U	< 1 U	< 1 U	< 1 U	< 1 U	< 0.051 U	< 0.05 U	510	2,060
	8/9/2010	N	--	0.011	--	0.3	--	0.339	--	< 0.1 U	< 0.050 U	< 0.050 U	< 1 U	< 2 U	< 1 U	< 1 U	< 0.053 U	< 0.05 U	485	1,880

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Appendix E
Historical Analytical Data (through 2017)
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		Chemical Name	Dissolved Arsenic	Total Arsenic	Dissolved Chromium	Total Chromium	Dissolved Chromium, Hexavalent	Total Chromium, Hexavalent	Dissolved Iron	Total Iron	Dissolved Manganese	Total Manganese	Benzene	Toluene	Ethylbenzene	Total Xylenes	DRO	GRO	Chloride	TDS
		Units	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	ug/l	ug/l	ug/l	ug/l	mg/l	mg/l	mg/l	mg/l
		NMWQCC Standard	0.01	0.01	0.05	0.05	0.05	0.05	1	1	0.2	0.2	5	1,000	700	620			250	1000
Location ID	Sample Date	Sample Type																		
	5/16/2012	N	< 0.0100 U	--	0.414	--	--	0.41	< 0.200 U	--	< 0.0200 U	--	< 1.00 UJ	< 2.00 UJ	< 1.00 UJ	< 1.00 UJ	--	--	616 J	2,250
	11/8/2012	N	--	< 0.0100 U	--	0.455	--	0.449	--	0.34	< 0.0200 U	< 0.0200 U	< 1.00 U	< 2.00 U	< 1.00 U	< 1.00 U	--	--	610	2,070
	11/8/2012	FD	--	< 0.0100 U	--	0.44	--	0.451	--	0.289	0.0209 J	0.0209 J	< 1.00 U	< 2.00 U	< 1.00 U	< 1.00 U	--	--	624	1,980
	5/8/2013	N	< 0.0200 UJ	--	0.458	--	--	0.464	< 0.200 U	--	< 0.0200 U	--	< 1.00 U	< 2.00 U	< 1.00 U	< 1.00 U	--	--	613	2,370
	11/4/2013	N	0.0117 J	--	0.475	--	--	0.47	< 0.200 U	--	0.0322	--	< 1.00 U	< 2.00 U	< 1.00 U	6.78	--	--	545	2,390
	5/15/2014	N	< 0.0200 UJ	--	0.464	--	--	0.492	< 0.200 U	--	< 0.0200 UJ	--	< 1.00 U	< 2.00 U	< 1.00 U	< 1.00 U	--	--	595	2,350
	5/15/2014	FD	< 0.0200 UJ	--	0.475	--	--	0.494	< 0.200 U	--	< 0.0200 UJ	--	< 1.00 U	< 2.00 U	< 1.00 U	< 1.00 U	--	--	600	2,220
	11/14/2014	N	0.0162 J	--	0.492	--	--	0.469	< 0.200 U	--	< 0.0200 U	--	< 1.00 U	< 2.00 U	< 1.00 U	< 1.00 U	--	--	560	2,500
	5/12/2015	N	0.0166 J	--	0.468	--	--	0.474	< 0.200 U	--	< 0.0200 U	--	< 1.00 U	< 2.00 U	< 1.00 U	< 1.00 U	--	--	623	2,180
	9/30/2015	N	--	--	--	0.495	--	0.472	--	1.67	0.0418	0.0418	--	--	--	--	--	< 1.40 U	620	2,460
	11/13/2015	N	< 0.0200 U	--	0.433	--	--	0.476	< 0.200 U	--	< 0.0200 U	--	--	--	--	--	--	--	601	2,210
	5/16/2016	N	0.0269	--	0.61	--	0.513	--	--	--	--	--	--	--	--	--	--	--	641	2,380
	9/20/2016	N	< 0.00336 U	--	0.579	--	0.516	--	< 0.00616 U	--	< 0.000585 U	--	--	--	--	--	--	--	658	2,560
	9/20/2016	FD	< 0.00336 U	--	0.581	--	0.518	--	< 0.00616 U	--	< 0.000585 U	--	--	--	--	--	--	--	669	2,620
	5/5/2017	N	0.00985	--	0.576	--	--	--	0.0411	--	< 0.002 U	--	--	--	--	--	--	--	647	2,220
	5/5/2017	FD	0.00976	--	0.54	--	--	--	< 0.02 U	--	< 0.002 U	--	--	--	--	--	--	--	674	2,360
	9/20/2017	N	0.0111	--	0.559	--	--	--	< 0.1 U	--	0.000794 J	--	--	--	--	--	--	--	667	2,370
	3/23/2018	Reg	--	0.0117	--	0.457	--	0.453	< 0.1	--	--	0.000252 J	--	--	--	--	--	--	643	2,110
	9/12/2018	Reg	0.0119	--	0.453	--	0.404	--	--	0.136	0.000896 J	--	--	--	--	--	--	--	583	1,960
	7/30/2002	N	--	< 0.01 U	0.15	0.05	0.049	--	--	--	--	--	< 2 U	880	< 2 U	< 2 U	< 0.26 U	< 0.05 U	3,200	6,940
	9/16/2002	N	--	--	0.06	--	0.056	--	--	--	--	--	< 2 U	2	< 2 U	< 2 U	--	--	2,900	--
MW049SA	12/4/2002	N	--	--	0.07	--	0.049	--	--	--	--	--	< 2 U	< 2 U	< 2 U	< 2 U	0.63	< 0.05 U	3,300	--
	3/13/2003	N	--	--	--	--	0.062	--	--	--	--	--	--	--	--	--	--	--	3,300	--
	5/28/2003	N	--	--	--	--	0.047	--	--	--	--	--	< 2 U	< 2 U	< 2 U	< 2 U	< 0.27 U	< 0.05 U	3,200	--
	12/17/2003	N	--	--	0.13	--	0.099	--	--	--	--	--	< 2 U	< 2 U	< 2 U	< 6 U	< 0.24 U	< 0.05 U	1,860	--
	6/29/2004	N	--	--	0.06	--	0.043	--	--	--	--	--	< 2 U	< 2 U	< 2 U	< 6 U	< 0.25 U	< 0.05 U	3,100	--
	1/6/2005	N	--	--	0.07	--	0.065	--	--	--	--	--	< 2 U	< 2 U	< 2 U	< 6 U	< 0.25 U	< 0.05 U	3,200	--
	6/6/2005	N	--	--	0.06	--	--	--	--	--	--	--	< 2 U	< 2 U	< 2 U	< 6 U	< 0.25 U	< 0.05 U	2,700	--
	1/25/2006	N	--	< 0.02 U	--	0.0624	--	0.06	--	< 0.2 U	< 0.005 U	< 0.005 U	< 1 U	< 1 U	< 1 U	< 3 U	< 0.6 U	< 0.6 U	2,770	5,860
	7/11/2006	N	--	< 0.02 U	--	0.0701	--	0.061	--	< 0.2 U	< 0.005 U	< 0.005 U	< 1 U	< 1 U	< 1 U	< 3 U	0.17	< 0.05 U	2,480	5,790
	4/10/2007	N	--	< 0.02 U	--	0.0823	--	0.078	--	< 0.2 U	< 0.005 U	< 0.005 U	< 1 U	< 1 U	< 1 U	< 3 U	< 0.097 U	< 0.05 U	2,320	--
	4/8/2008	N	--	< 0.02 U	--	0.0953	--	0.094	--	0.303	0.0071	0.0071	2.3	< 1 U	< 1 U	< 3 U	< 0.098 U	< 0.05 U	2,260	4,320
	3/26/2009	N	--	< 0.02 U	--	0.103	--	0.11	--	< 0.2 U	< 0.005 U	< 0.005 U	< 1 U	< 1 U	< 1 U	< 3 U	< 0.095 U	< 0.05 U	2,210	2,210
MW049SA	3/5/2010	N	--	< 0.05 U	--	0.11	--	0.128	--	0.229	< 0.050 U	< 0.050 U	< 1 U	< 1 U	< 1 U	< 1 U	0.076	< 0.05 U	1,840	4,570
	5/17/2012	N	< 0.0100 UJ	--	0.124	--	--	0.127	< 0.200 U	--	< 0.0200 U	--	< 1.00 U	< 2.00 U	< 1.00 U	< 1.00 U	--	--	1800 J	4,480
	5/8/2013	N	< 0.0200 UJ	--	0.127	--	--	0.133	< 0.200 U	--	< 0.0200 U	--	< 1.00 U	< 2.00 U	< 1.00 U	< 1.00 U	--	--	1,410	3,620
	5/15/2014	N	< 0.0200 UJ	--	0.126	--	--	0.14	< 0.200 U	--	< 0.0200 UJ	--	< 1.00 U	< 2.00 U	< 1.00 U	< 1.00 U	--	--	1,320	3,360
	5/12/2015	N	0.0155 J	--	0.15	--	--	0.151	< 0.200 U	--	< 0.0200 U	--	< 1.00 U	< 2.00 U	< 1.00 U	< 1.00 U	--	--	1,390	3,330
	9/30/2015	N	--	--	--	0.147	--	0.157	--	0.127 J	< 0.0200 U	< 0.0200 U	--	--	--	--	--	< 1.40 U	1,270	3,240
	5/16/2016	N	0.0524	--	0.207	--	0.199	--	--	--	--	--	--	--	--	--	--	--	1,780	3,750
	5/5/2017	N	0.00926	--	0.185	--	--	--	0.0205	--	< 0.002 U	--	--	--	--	--	--	--	1,560	3,700
	9/20/2017	N	0.0107	--	0.196	--	--	--	< 0.1 U	--	0.000498 J	--	--	--	--	--	--	--	1,640	3,880
	3/23/2018	N	--	0.0112	--	0.186	--	0.193	< 0.1	--	--	0.000274 J	--	--	--	--	--	--	1,530	3,880
	9/12/2018	N	0.0116	--	0.188	--	0.171	--	--	< 0.100 U	0.000414 J	--	--	--	--	--	--	--	1,300	2,960
	7/30/2002	N	--	< 0.01 U	0.05	0.16	0.145	--	--	--	--	--	< 2 U	< 2 U	< 2 U	< 2 U	< 0.26 U	< 0.05 U	1,600	4,190
	9/10/2002	N	--	--	0.13	--	0.09	--	--	--	--	--	< 2 U	< 2 U	< 2 U	< 2 U	--	--	1,160	--
	12/5/2002	N	--	--	0.07	--	0.073	--	--	--	--	--	--	--	--	--	--	--	850	--
	3/12/2003	N	--	--	--	--	0.11	--	--	--	--	--	--	--	--	--	--	--	1,190	--
	6/2/2003	N	--	--	--	--	0.218	--	--	--	--	--	--	--	--	--	--	--	1,500	--
	12/17/2003	N	--	--	0.12	--	0.061	--	--	--	--	--	--	--	--	--	--	--	1,010	--
	6/24/2004	N	--	--	0.04	--	0.023	--	--	--	--	--	--	--	--	--	--	--	1,470	--
	1/5/2005	N	--	--	0.2	--	0.15	--	--	--	--	--	--	--	--	--	--	--	1,080	--
	6/8/2005	N	--	--	0.18	--	--	--	--	--	--	--	--	--	--	--	--	--	1,320	--
	1/25/2006	N	--	< 0.02 U	--	0.187	--	0.19	--	< 0.2 U	< 0.005 U	< 0.005 U	< 1 U	< 1 U	< 1 U	< 3 U	< 0.6 U	< 0.6 U	1,210	3,220
	7/10/2006	N	--	< 0.02 U	--	0.215	--	0.2	--	< 0.2 U	< 0.005 U	< 0.005 U	< 1 U	< 1 U	< 1 U	< 3 U	0.69	< 0.05 U	1,500	4,470
	4/9/2007	N	--	< 0.02 U	--	0.285	--	0.22	--	< 0.2 U	< 0.005 U	< 0.005 U	< 1 U	< 1 U	< 1 U	< 3 U	0.28	< 0.05 U	1,230	--
MW050SA	4/1/2008	N	--	< 0.02 U	--	0.27	--	0.22	--	< 0.2 U	0.0072	0.0072	17	4.1	1.5	< 3 U	0.56	0.052	1,500	3,810
	3/25/2009	N	--	< 0.02 U	--	0.262	--	0.24	--	< 0.2 U	0.0057	0.0057	< 1 U	< 1 U	< 1 U	< 3 U	0.74	< 0.05 U	1,260	4,130
	3/4/2010	N	--	< 0.05 U	--	0.232	--	0.25	--	0.144	< 0.050 U	< 0.050 U	< 1 U	< 1 U	< 1 U	< 1 U	0.43	< 0.05 U	1,210	3,730
	5/17/2012	N	< 0.0100 UJ	--	< 0.0100 U	--	--	< 0.0100 U	< 0.200 U	--	< 0.0200 U	--	< 1.00 U	< 2.00 U	< 1.00 U	< 1.00 U	--	--	1030 J	2,950
	5/8/2013	N	< 0.0200 UJ	--	0.197	--	--	0.198	< 0.200 U	--	0.0153 J	--	2	< 2.00 U	< 1.00 U	< 1.00 U	--	--	1,300	3,640
	5/16/2014	N	0.0177 J	--	0.295	--	--	0.246	0.0295 J	--	0.0255	--	2.1	< 2.00 U	< 1.00 U	< 1.00 U	--	--	1,360	4,030

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		Chemical Name	Dissolved Arsenic	Total Arsenic	Dissolved Chromium	Total Chromium	Dissolved Chromium, Hexavalent	Total Chromium, Hexavalent	Dissolved Iron	Total Iron	Dissolved Manganese	Total Manganese	Benzene	Toluene	Ethylbenzene	Total Xylenes	DRO	GRO	Chloride	TDS
		Units	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	ug/l	ug/l	ug/l	ug/l	mg/l	mg/l	mg/l	mg/l
		NMWQCC Standard	0.01	0.01	0.05	0.05	0.05	0.05	1	1	0.2	0.2	5	1,000	700	620			250	1000
Location ID	Sample Date	Sample Type																		
	5/11/2015	N	< 0.0200 U	--	**0.00339 J**	--	--	< 0.0100 U	< 0.200 U	--	**0.0198 J**	--	< 1.00 U	< 2.00 U	< 1.00 U	< 1.00 U	--	--	**809**	**2,230**
	10/2/2015	N	--	--	--	**0.351**	--	**0.335 R**	--	< 0.200 U	**0.0108 J**	**0.0108 J**	--	--	--	--	--	< 1.40 U	**1,540**	**4,430**
	5/18/2016	N	**0.0172**	--	**0.31**	--	**0.311**	--	--	--	--	--	--	--	--	--	--	--	**1,340**	**3,690**
	5/10/2017	N	**0.0081**	--	**0.309**	--	--	--	**0.00504 J**	--	**0.0209**	--	--	--	--	--	--	--	**1,260**	**3,560**
	9/21/2017	N	**0.00926**	--	**0.409 J**	--	--	**0.346**	< 0.100 U	--	**0.0166**	--	--	--	--	--	--	--	**533**	**3,960**
	4/3/2018	Reg	--	**0.0086**	--	**0.287**	--	**0.196**	< 0.100 U	--	--	**0.0173**	--	--	--	--	--	--	**1,470**	**3,480**
	4/3/2018	FD	--	**0.00887**	--	**0.272**	--	**0.184**	< 0.100 U	--	--	**0.0164**	--	--	--	--	--	--	**1,440**	**3,500**
	9/12/2018	Reg	**0.00822**	--	**0.442**	--	**0.405**	--	--	< 0.100 U	**0.0204**	--	--	--	--	--	--	--	**1,510**	**3,580**

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Location ID	Sample Date	Sample Type	Chemical Name	Dissolved Arsenic	Total Arsenic	Dissolved Chromium	Total Chromium	Dissolved Chromium, Hexavalent	Total Chromium, Hexavalent	Dissolved Iron	Total Iron	Dissolved Manganese	Total Manganese	Benzene	Toluene	Ethylbenzene	Total Xylenes	DRO	GRO	Chloride	TDS
			Units	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	ug/l	ug/l	ug/l	ug/l	mg/l	mg/l	mg/l	mg/l
			NMWQCC Standard	0.01	0.01	0.05	0.05	0.05	0.05	1	1	0.2	0.2	5	1,000	700	620			250	1000
MW051SA	10/10/2002	N		--	< 0.05 U	**0.64**	--	**0.36**	--	--	--	--	--	< 2 U	< 2 U	< 2 U	< 2 U	< 0.25 U	< 0.05 U	**1,300**	**3,840**
	12/3/2002	N		--	--	**0.53**	--	**0.44**	--	--	--	--	--	--	--	--	--	--	--	**1,500**	--
	3/19/2003	N		--	--	--	--	**0.49**	--	--	--	--	--	--	--	--	--	--	--	**1,500**	--
	6/3/2003	N		--	--	--	--	**0.63**	--	--	--	--	--	--	--	--	--	--	--	**1,500**	--
	12/17/2003	N		--	--	**0.78**	--	**0.34**	--	--	--	--	--	--	--	--	--	--	--	**1,400**	--
	7/1/2004	N		--	--	**0.73**	--	**0.39**	--	--	--	--	--	< 2 U	< 2 U	< 2 U	< 6 U	< 0.25 U	< 0.05 U	**1,220**	--
	1/11/2005	N		--	--	**0.7**	--	**0.56**	--	--	--	--	--	< 2 U	< 2 U	< 2 U	< 6 U	< 0.25 U	< 0.05 U	**1,530**	--
	6/7/2005	N		--	--	**0.67**	--	--	--	--	--	--	--	--	--	--	--	--	--	**1,420**	--
	1/26/2006	N		--	< 0.02 U	--	**0.694**	--	**0.66**	--	< 0.2 U	< 0.005 U	< 0.005 U	< 1 U	< 1 U	< 1 U	< 3 U	< 0.6 U	< 0.6 U	**1,490**	**4,200**
	7/11/2006	N		--	< 0.02 U	--	**0.688**	--	**0.69**	--	< 0.2 U	< 0.005 U	< 0.005 U	< 1 U	< 1 U	< 1 U	< 3 U	< 0.094 U	< 0.05 U	**1,630**	**4,270**
	4/17/2007	N		--	< 0.02 U	--	**0.895**	--	**0.68**	--	**0.272**	**0.007**	**0.007**	< 1 U	< 1 U	< 1 U	< 3 U	< 0.097 U	< 0.05 U	**1,540**	--
	4/9/2008	N		--	< 0.02 U	--	**0.654**	--	**0.63**	--	< 0.2 U	< 0.005 U	< 0.005 U	**1.3**	< 1 U	< 1 U	< 3 U	< 0.095 U	< 0.05 U	**1,370**	**3,710**
	4/2/2009	N		--	< 0.02 U	--	**0.721**	--	**0.7**	--	< 0.2 U	< 0.005 U	< 0.005 U	< 1 U	< 1 U	**2.3**	< 3 U	**0.21**	< 0.05 U	**1,240**	**4,140**
	3/4/2010	N		--	< 0.05 U	--	**0.767**	--	**0.78**	--	**0.115**	< 0.050 U	< 0.050 U	< 1 U	< 1 U	< 1 U	< 1 U	**0.145**	< 0.05 U	**1,250**	**3,870**
	5/16/2012	N		< 0.0100 U	--	**0.783**	--	--	**0.791**	< 0.200 U	--	< 0.0200 U	--	< 1.00 U	< 2.00 U	< 1.00 U	< 1.00 U	--	--	**1260 J**	**3,970**
	5/16/2012	FD		< 0.0100 U	--	**0.781**	--	--	**0.813**	< 0.200 U	--	< 0.0200 U	--	< 1.00 UJ	< 2.00 UJ	< 1.00 UJ	< 1.00 UJ	--	--	**1,250**	**4,180**
	5/8/2013	N		< 0.0200 UJ	--	**0.759**	--	--	**0.743**	< 0.200 U	--	< 0.0200 U	--	< 1.00 U	< 2.00 U	< 1.00 U	< 1.00 U	--	--	**1,060**	**3,540**
	5/8/2013	FD		< 0.0200 UJ	--	**0.75**	--	--	**0.772**	< 0.200 U	--	< 0.0200 U	--	< 1.00 U	< 2.00 U	< 1.00 U	< 1.00 U	--	--	**966**	**3,530**
	5/15/2014	N		< 0.0200 UJ	--	**0.735**	--	--	**0.753**	< 0.200 U	--	< 0.0200 UJ	--	< 1.00 U	< 2.00 U	< 1.00 U	< 1.00 U	--	--	**1,090**	**3,530**
	5/11/2015	N		**0.0107 J**	--	**0.62**	--	--	**0.644**	< 0.200 U	--	**0.00676 J**	--	< 1.00 U	< 2.00 U	< 1.00 U	< 1.00 U	--	--	**917**	**3,140**
	9/30/2015	N		--	--	--	**0.819**	--	**0.813**	--	< 0.200 U	< 0.0200 U	< 0.0200 U	--	--	--	--	--	< 1.41 U	**1,060**	**3,670**
	5/18/2016	N		**0.0263**	--	**0.764**	--	**0.837**	--	--	--	--	--	--	--	--	--	--	--	**1,050**	**3,810**
	5/10/2017	N		**0.0114**	--	**0.818**	--	--	--	**0.00232 J**	--	**0.000337 J**	--	--	--	--	--	--	--	**1,210**	**3,390**
	9/20/2017	N		**0.0119**	--	**0.793**	--	--	--	< 0.1 U	--	**0.000608 J**	--	--	--	--	--	--	--	**1,120**	**3,620**
	4/3/2018	Reg		--	**0.012**	--	**0.788**	--	**0.691**	< 0.100 U	--	--	**0.000993 J**	--	--	--	--	--	--	**1,360**	**3,320**
	9/12/2018	Reg		**0.0116**	--	**0.799**	--	**0.668**	--	--	< 0.100 U	**0.00236**	--	--	--	--	--	--	--	**1,120**	**3,300**
MW052SA	10/10/2002	N		--	< 0.05 U	**0.4**	--	**0.23**	--	--	--	--	--	< 2 U	< 2 U	< 2 U	< 2 U	< 0.25 U	< 0.05 U	**1,300**	**3,400**
	12/3/2002	N		--	--	**0.33**	--	**0.25**	--	--	--	--	--	--	--	--	--	--	--	**1,200**	--
	3/18/2003	N		--	--	--	--	**0.28**	--	--	--	--	--	--	--	--	--	--	--	**1,300**	--
	6/2/2003	N		--	--	--	--	**0.326**	--	--	--	--	--	--	--	--	--	--	--	**1,300**	--
	12/18/2003	N		--	--	**0.42**	--	**0.3**	--	--	--	--	--	--	--	--	--	--	--	**1,500**	--
	7/1/2004	N		--	--	**0.37**	--	**0.32**	--	--	--	--	--	--	--	--	--	--	--	**1,510**	--
	1/11/2005	N		--	--	**0.4**	--	< 0.05 U	--	--	--	--	--	--	--	--	--	--	--	**1,600**	--
	6/1/2005	N		--	--	**0.38**	--	--	--	--	--	--	--	--	--	--	--	--	--	**1,560**	--
	1/26/2006	N		--	< 0.02 U	--	**0.4**	--	**0.39**	--	< 0.2 U	< 0.005 U	< 0.005 U	< 1 U	< 1 U	< 1 U	< 3 U	< 0.6 U	< 0.6 U	**2,440**	**4,280**
	7/11/2006	N		--	< 0.02 U	--	**0.373**	--	**0.36**	--	< 0.2 U	< 0.005 U	< 0.005 U	< 1 U	< 1 U	< 1 U	< 3 U	**0.11**	< 0.05 U	**1,590**	**4,240**
	7/11/2006	FD		--	< 0.02 U	--	**0.372**	--	**0.36**	--	< 0.2 U	< 0.005 U	< 0.005 U	< 1 U	< 1 U	< 1 U	< 3 U	**0.11**	< 0.05 U	**1,580**	**4,140**
	4/10/2007	N		--	< 0.02 U	--	**0.378**	--	**0.36**	--	< 0.2 U	< 0.005 U	< 0.005 U	< 1 U	< 1 U	< 1 U	< 3 U	< 0.098 U	< 0.05 U	**1,600**	--
	4/8/2008	N		--	< 0.02 U	--	**0.376**	--	**0.3**	--	< 0.2 U	< 0.005 U	< 0.005 U	**1.4**	< 1 U	< 1 U	< 3 U	**0.26**	< 0.05 U	**1,690**	**4,110**
	3/26/2009	N		--	< 0.02 U	--	**0.34**	--	**0.35**	--	< 0.2 U	< 0.005 U	< 0.005 U	< 1 U	< 1 U	< 1 U	< 3 U	< 0.096 U	< 0.05 U	**1,980**	**4,210**
	3/5/2010	N		--	< 0.05 U	--	**0.393**	--	**0.39**	--	**0.096**	< 0.050 U	< 0.050 U	< 1 U	< 1 U	< 1 U	< 1 U	**0.054**	< 0.05 U	**1,530**	**4,690**
	5/16/2012	N		< 0.0100 U	--	**0.272**	--	--	**0.265**	< 0.200 U	--	< 0.0200 U	--	< 1.00 UJ	< 2.00 UJ	< 1.00 UJ	< 1.00 UJ	--	--	**1300 J**	**4,600**
	5/8/2013	N		< 0.0200 U	--	**0.254**	--	--	**0.255**	< 0.200 U	--	< 0.0200 U	--	< 1.00 U	< 2.00 U	< 1.00 U	< 1.00 U	--	--	**1,410**	**3,650**
	5/15/2014	N		< 0.0200 UJ	--	**0.231**	--	--	**0.24**	< 0.200 U	--	< 0.0200 UJ	--	< 1.00 U	< 2.00 U	< 1.00 U	< 1.00 U	--	--	**1,390**	**3,840**
	5/12/2015	N		**0.0209**	--	**0.223**	--	--	**0.229**	< 0.200 U	--	< 0.0200 U	--	< 1.00 U	< 2.00 U	< 1.00 U	< 1.00 U	--	--	**1,430**	**3,820**
	9/30/2015	N		--	--	--	**0.235**	--	**0.212**	--	**2.36**	**0.048**	**0.048**	--	--	--	--	--	< 1.41 U	**1,360**	**3,710**
	5/16/2016	N		**0.0162**	--	**0.227**	--	**0.207**	--	--	--	--	--	--	--	--	--	--	--	**1,390**	**3,460**
	5/10/2017	N		**0.0116**	--	**0.207**	--	--	--	**0.00339 J**	--	**0.000376 J**	--	--	--	--	--	--	--	**1,450**	**3,150**
	9/20/2017	N		**0.0137**	--	**0.239**	--	--	--	**0.246**	--	**0.00892**	--	--	--	--	--	--	--	**1,630**	**3,720**
	3/23/2018	Reg		--	**0.0135**	--	**0.222**	--	**0.225**	< 0.1	--	--	**0.000710 J**	--	--	--	--	--	--	**1,360**	**3,020**
	9/12/2018	Reg		**0.0131**	--	**0.242**	--	**0.222**	--	--	< 0.100 U	**0.000660 J**	--	--	--	--	--	--	--	**1,400**	**3,020**
MW053SA	9/18/2002	N		--	< 0.05 U	< 0.05 U	--	< 0.005 U	--	--	--	--	--	< 2 U	< 2 U	< 2 U	< 2 U	< 0.25 U	< 0.05 U	**300**	**1,250**
	12/2/2002	N		--	--	< 0.05 U	--	**0.017**	--	--	--	--	--	--	--	--	--	--	--	**380**	--
	3/12/2003	N		--	--	--	--	**0.14**	--	--	--	--	--	--	--	--	--	--	--	**440**	--
	5/21/2003	N		--	--	--	--	< 0.005 U	--	--	--	--	--	--	--	--	--	--	--	**530**	--
	12/18/2003	N		--	--	< 0.05 U	--	**0.36**	--	--	--	--	--	--	--	--	--	--	--	**230**	--
	2/18/2004	N		--	--	< 0.05 U	--	< 0.005 U	--	< 0.1 U	--	< 0.05 U	--	--	--	--	--	--	--	--	--
	3/4/2004	N		--	--	< 0.05 U	--	< 0.005 U	--	< 0.1 U	--	< 0.05 U	--	--	--	--	--	--	--	--	--
	7/7/2004	N		--	--	< 0.05 U	--	**0.014**	--	--	--	--	--	--	--	--	--	--	--	**200**	--
	1/11/2005	N		--	--	< 0.01 U	--	< 0.005 U	--	--	--	--	--	--	--	--	--	--	--	**280**	--
	6/1/2005	N		--	--	< 0.01 U	--	--	--	--	--	--	--	--	--	--	--	--	--	**230**	--
	6/1/2005	FD		--	--	< 0.01 U	--	--	--	--	--	--	--	--	--	--	--	--	--	**240**	--

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Appendix E
Historical Analytical Data (through 2017)
2021 Annual Groundwater Monitoring Report
Former Eunice North Gas Plant

ARCADIS Design & Consultancy for natural and built assets

		Chemical Name	Dissolved Arsenic	Total Arsenic	Dissolved Chromium	Total Chromium	Dissolved Chromium, Hexavalent	Total Chromium, Hexavalent	Dissolved Iron	Total Iron	Dissolved Manganese	Total Manganese	Benzene	Toluene	Ethylbenzene	Total Xylenes	DRO	GRO	Chloride	TDS
		Units	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	ug/l	ug/l	ug/l	ug/l	mg/l	mg/l	mg/l	mg/l
		NMWQCC Standard	0.01	0.01	0.05	0.05	0.05	0.05	1	1	0.2	0.2	5	1,000	700	620			250	1000
Location ID	Sample Date	Sample Type																		
	1/26/2006	N	--	< 0.02 U	--	< 0.015 U	--	< 0.02 U	--	< 0.2 U	< 0.005 U	< 0.005 U	< 1 U	< 1 U	< 1 U	< 3 U	< 0.6 U	< 0.6 U	266	1,110
	7/11/2006	N	--	< 0.02 U	--	< 0.015 U	--	< 0.02 U	--	< 0.2 U	< 0.005 U	< 0.005 U	< 1 U	< 1 U	< 1 U	< 3 U	< 0.095 U	< 0.05 U	249	1,050
	4/5/2007	N	--	< 0.02 U	--	< 0.015 U	--	< 0.02 U	--	< 0.2 U	< 0.005 U	< 0.005 U	< 1 U	< 1 U	< 1 U	< 3 U	< 0.096 U	< 0.05 U	228	--
	9/20/2007	N	--	0.0201	--	< 0.015 U	--	< 0.02 U	--	< 0.2 U	< 0.005 U	< 0.005 U	< 1 U	< 1 U	< 1 U	< 3 U	< 0.095 U	< 0.05 U	193	--
	3/26/2008	N	--	< 0.02 U	--	< 0.015 U	--	< 0.02 U	--	< 0.2 U	< 0.005 U	< 0.005 U	< 1 U	< 1 U	< 1 U	< 3 U	< 0.098 U	< 0.05 U	161	816
	3/18/2009	N	--	< 0.02 U	--	< 0.015 U	--	< 0.02 U	--	< 0.2 U	0.0073	0.0073	3.5	1.5	< 1 U	< 3 U	< 0.096 U	< 0.05 U	194	938
	8/20/2009	N	--	< 0.02 U	--	< 0.015 U	--	< 0.02 U	--	< 0.2 U	< 0.005 U	< 0.005 U	< 1 U	< 1 U	< 1 U	< 3 U	< 0.095 U	< 0.05 U	205	944
	8/10/2010	N	--	0.019	--	< 0.050 U	--	< 0.01 U	--	< 0.1 U	< 0.050 U	< 0.050 U	< 1 U	< 2 U	< 1 U	< 1 U	0.058	< 0.05 U	241	998
	5/16/2012	N	< 0.0100 U	--	< 0.0100 U	--	--	< 0.0100 U	< 0.200 U	--	< 0.0200 U	--	< 1.00 UJ	< 2.00 UJ	< 1.00 UJ	< 1.00 UJ	--	--	269 J	1,210
	11/9/2012	N	--	< 0.0100 U	--	< 0.0100 U	--	< 0.0100 U	--	< 0.200 U	< 0.0200 U	< 0.0200 U	< 1.00 U	< 2.00 U	< 1.00 U	< 1.00 U	--	--	314	1,090
MW053SA	5/8/2013	N	< 0.0200 UJ	--	< 0.0100 U	--	--	< 0.0100 U	< 0.200 U	--	< 0.0200 U	--	< 1.00 U	< 2.00 U	< 1.00 U	< 1.00 U	--	--	308	1,240
	11/4/2013	N	0.0127 J	--	< 0.0100 U	--	--	< 0.0100 U	< 0.200 U	--	< 0.0200 U	--	1.13	< 2.00 U	< 1.00 U	7.66	--	--	314	1,320
	5/15/2014	N	< 0.0200 UJ	--	< 0.0100 U	--	--	< 0.0100 U	< 0.200 U	--	< 0.0200 U	--	< 1.00 U	< 2.00 U	< 1.00 U	< 1.00 U	--	--	351	1,280
	11/14/2014	N	0.0167 J	--	< 0.0100 U	--	--	< 0.0100 U	< 0.200 U	--	< 0.0200 U	--	< 1.00 U	< 2.00 U	< 1.00 U	< 1.00 U	--	--	310	1,330
	5/13/2015	N	< 0.0200 U	--	< 0.0100 U	--	--	< 0.0100 U	< 0.200 U	--	< 0.0200 U	--	< 1.00 U	< 2.00 U	< 1.00 U	< 1.00 U	--	--	407	1,450
	9/30/2015	N	--	--	--	< 0.0100 U	--	< 0.0100 U	--	< 0.200 U	< 0.0200 U	< 0.0200 U	--	--	--	--	--	< 1.40 U	428	1,420
	11/13/2015	N	0.00576 J	--	< 0.0100 U	--	--	< 0.0100 U	< 0.200 U	--	< 0.0200 U	--	--	--	--	--	--	--	434	2,510
	1/27/2003	N	--	< 0.05 U	0.2	--	0.19	--	--	--	--	--	< 2 U	< 2 U	< 2 U	< 2 U	< 0.25 U	< 0.05 U	1,030	2,750
	3/19/2003	N	--	--	--	--	0.065	--	--	--	--	--	< 2 U	< 2 U	< 2 U	< 2 U	< 0.25 U	< 0.05 U	670	--
	5/21/2003	N	--	--	--	--	0.108	--	--	--	--	--	--	--	--	--	--	--	1,040	--
	12/16/2003	N	--	--	0.29	--	0.24	--	--	--	--	--	--	--	--	--	--	--	990	--
	2/17/2004	N	--	--	0.26	--	0.31	--	< 0.1 U	--	< 0.05 U	--	--	--	--	--	--	--	--	--
	6/30/2004	N	--	--	0.17	--	0.12	--	--	--	--	--	--	--	--	--	--	--	940	--
	1/10/2005	N	--	--	0.2	--	0.27	--	--	--	--	--	--	--	--	--	--	--	1,000	--
	6/7/2005	N	--	--	0.25	--	--	--	--	--	--	--	--	--	--	--	--	--	900	--
	1/26/2006	N	--	< 0.02 U	--	0.262	--	0.27	--	< 0.2 U	< 0.005 U	< 0.005 U	< 1 U	< 1 U	< 1 U	< 3 U	< 0.6 U	< 0.6 U	838	2,260
	7/11/2006	N	--	< 0.02 U	--	0.148	--	0.15	--	< 0.2 U	< 0.005 U	< 0.005 U	< 1 U	< 1 U	< 1 U	< 3 U	< 0.094 U	< 0.05 U	807	2,150
	4/10/2007	N	--	< 0.02 U	--	0.145	--	0.14	--	< 0.2 U	< 0.005 U	< 0.005 U	< 1 U	< 1 U	< 1 U	< 3 U	< 0.097 U	< 0.05 U	868	--
	9/20/2007	N	--	0.0217	--	0.138	--	0.12	--	< 0.2 U	< 0.005 U	< 0.005 U	< 1 U	< 1 U	< 1 U	< 3 U	< 0.098 U	< 0.05 U	844	--
	4/8/2008	N	--	< 0.02 U	--	0.121	--	0.11	--	< 0.2 U	< 0.005 U	< 0.005 U	1.3	< 1 U	< 1 U	< 3 U	< 0.097 U	< 0.05 U	925	6,010
	8/20/2008	N	--	< 0.02 U	--	0.121	--	0.13	--	< 0.2 U	< 0.005 U	< 0.005 U	< 1 U	< 1 U	1.1	< 3 U	< 0.1 U	< 0.05 U	985	2,170
	3/26/2009	N	--	< 0.02 U	--	0.111	--	0.11	--	< 0.2 U	< 0.005 U	< 0.005 U	< 1 U	< 1 U	< 1 U	< 3 U	< 0.095 U	< 0.05 U	978	2,360
	8/10/2009	N	--	< 0.02 U	--	0.107	--	0.1	--	< 0.2 U	< 0.005 U	< 0.005 U	< 1 U	< 1 U	< 1 U	< 3 U	0.11	< 0.05 U	834	2,350
	3/5/2010	N	--	< 0.05 U	--	0.122	--	0.12	--	0.091	< 0.050 U	< 0.050 U	< 1 U	< 1 U	< 1 U	< 1 U	0.088	< 0.05 U	858	2,640
	8/9/2010	N	--	0.013	--	0.106	--	0.143	--	< 0.1 U	< 0.050 U	< 0.050 U	< 1 U	< 2 U	< 1 U	< 1 U	0.052	< 0.05 U	764	2,410
MW054SA	5/16/2012	N	< 0.0100 U	--	0.148	--	--	0.144	< 0.200 U	--	< 0.0200 U	--	< 1.00 U	< 2.00 U	< 1.00 U	< 1.00 U	--	--	803 J	2,340
	11/7/2012	N	--	< 0.0100 U	--	0.153	--	0.148	--	< 0.200 U	< 0.0200 U	< 0.0200 U	< 1.00 U	< 2.00 U	< 1.00 U	< 1.00 U	--	--	814	2,400
	11/7/2012	FD	--	< 0.0100 U	--	0.154	--	0.149	--	< 0.200 U	< 0.0200 U	< 0.0200 U	< 1.00 U	< 2.00 U	< 1.00 U	< 1.00 U	--	--	816	1,860
	5/8/2013	N	< 0.0200 UJ	--	0.143	--	--	0.145	< 0.200 U	--	< 0.0200 U	--	< 1.00 U	< 2.00 U	< 1.00 U	< 1.00 U	--	--	752	2,360
	11/4/2013	N	0.0107 J	--	0.143	--	--	0.142	< 0.200 U	--	< 0.0200 U	--	< 1.00 U	< 2.00 U	< 1.00 U	3.84	--	--	726	2,540
	5/15/2014	N	< 0.0200 UJ	--	0.148	--	--	0.148	< 0.200 U	--	< 0.0200 UJ	--	< 1.00 U	< 2.00 U	< 1.00 U	< 1.00 U	--	--	855	2,330
	11/14/2014	N	0.0199 J	--	0.149	--	--	0.141	< 0.200 U	--	< 0.0200 U	--	< 1.00 U	< 2.00 U	< 1.00 U	< 1.00 U	--	--	773	2,900
	11/14/2014	FD	0.0170 J	--	0.146	--	--	0.142	< 0.200 U	--	< 0.0200 U	--	< 1.00 U	< 2.00 U	< 1.00 U	< 1.00 U	--	--	755	2,870
	5/12/2015	N	0.0162 J	--	0.142	--	--	0.143	< 0.200 U	--	0.00393 J	--	< 1.00 U	< 2.00 U	< 1.00 U	< 1.00 U	--	--	803	2,260
	11/13/2015	N	< 0.0200 U	--	0.126	--	--	0.139	< 0.200 U	--	< 0.0200 U	--	--	--	--	--	--	--	798	2,230
	5/17/2016	N	0.0205	--	0.134	--	0.123	--	--	--	--	--	--	--	--	--	--	--	778	2,230
	5/17/2016	FD	0.013	--	0.137	--	0.124	--	--	--	--	--	--	--	--	--	--	--	756	1,160
	9/20/2016	N	< 0.00336 U	--	0.14	--	0.108	--	< 0.00616 U	--	< 0.000585 U	--	--	--	--	--	--	--	761	2,290
	5/10/2017	N	0.00952	--	0.122	--	--	--	0.0113 J	--	0.00035 J	--	--	--	--	--	--	--	826	1,990
	9/20/2017	N	0.0108	--	0.132	--	--	--	< 0.1 U	--	0.000414 J	--	--	--	--	--	--	--	866	2,190
	9/20/2017	FD	0.0103	--	0.128	--	--	--	< 0.1 U	--	0.000392 J	--	--	--	--	--	--	--	863	2,380
	3/23/2018	N	--	0.011	--	0.125	--	0.12	< 0.1	--	--	< 0.00200 U	--	--	--	--	--	--	777	2,200
	9/12/2018	N	0.0107	--	0.131	--	0.115	--	--	0.103	0.00315	--	--	--	--	--	--	--	800	1,970
	9/12/2018	FD	0.0108	--	0.129	--	0.118	--	--	0.0672 J	0.00235	--	--	--	--	--	--	--	801	1,970
	1/6/2003	N	--	< 0.05 U	0.17	--	0.15	--	--	--	--	--	< 2 U	3	< 2 U	< 2 U	< 0.25 U	< 0.05 U	610	1,680
	3/19/2003	N	--	--	--	--	0.074	--	--	--	--	--	< 2 U	< 2 U	< 2 U	< 2 U	< 0.25 U	< 0.05 U	550	--
	5/21/2003	N	--	--	--	--	0.114	--	--	--	--	--	--	--	--	--	--	--	820	--
	12/16/2003	N	--	--	0.17	--	0.13	--	--	--	--	--	--	--	--	--	--	--	550	--
	3/10/2004	N	--	< 0.05 U	0.14	0.13	0.15	--	< 0.1 U	0.2	< 0.05 U	< 0.05 U	--	--	--	--	--	--	600	--
	6/29/2004	N	--	--	0.18	--	0.13	--	--	--	--	--	--	--	--	--	--	--	610	--
	1/6/2005	N	--	--	0.19	--	0.22	--	--	--	--	--	--	--	--	--	--	--	610	--
MW055SA	6/7/2005	N	--	--	0.18	--	--	--	--	--	--	--	--	--	--	--	--	--	600	--

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Appendix E
Historical Analytical Data (through 2017)
2021 Annual Groundwater Monitoring Report
Former Eunice North Gas Plant

ARCADIS Design & Consultancy for natural and built assets

		Chemical Name	Dissolved Arsenic	Total Arsenic	Dissolved Chromium	Total Chromium	Dissolved Chromium, Hexavalent	Total Chromium, Hexavalent	Dissolved Iron	Total Iron	Dissolved Manganese	Total Manganese	Benzene	Toluene	Ethylbenzene	Total Xylenes	DRO	GRO	Chloride	TDS
		Units	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	ug/l	ug/l	ug/l	ug/l	mg/l	mg/l	mg/l	mg/l
		NMWQCC Standard	0.01	0.01	0.05	0.05	0.05	0.05	1	1	0.2	0.2	5	1,000	700	620			250	1000
Location ID	Sample Date	Sample Type																		
	1/25/2006	N	--	< 0.02 U	--	0.213	--	0.21	--	< 0.2 U	< 0.005 U	< 0.005 U	< 1 U	< 1 U	< 1 U	< 3 U	< 0.6 U	< 0.6 U	705	1,730
	6/28/2006	N	--	< 0.02 U	--	0.145	--	0.15	--	< 0.2 U	< 0.005 U	< 0.005 U	< 1 U	3.9	3.8	3.2	< 0.097 U	< 0.05 U	113	1,310
	6/28/2006	FD	--	< 0.02 U	--	0.151	--	0.15	--	< 0.2 U	< 0.005 U	< 0.005 U	< 1 U	4.5	4.3	3.6	< 0.097 U	< 0.05 U	560	1,440
	4/10/2007	N	--	< 0.02 U	--	0.202	--	0.19	--	< 0.2 U	< 0.005 U	< 0.005 U	< 1 U	< 1 U	< 1 U	< 3 U	< 0.097 U	< 0.05 U	593	--
	9/20/2007	N	--	< 0.02 U	--	0.227	--	0.19	--	< 0.2 U	< 0.005 U	< 0.005 U	< 1 U	< 1 U	< 1 U	< 3 U	< 0.097 U	< 0.05 U	576	--
	4/9/2008	N	--	< 0.02 U	--	0.23	--	0.22	--	< 0.2 U	< 0.005 U	< 0.005 U	1.6	< 1 U	< 1 U	< 3 U	< 0.095 U	< 0.05 U	589	1,610
	8/19/2008	N	--	< 0.02 U	--	0.224	--	0.22	--	< 0.2 U	< 0.005 U	< 0.005 U	< 1 U	< 1 U	< 1 U	< 3 U	< 0.1 U	< 0.05 U	582	1,810
	3/26/2009	N	--	< 0.02 U	--	0.228	--	0.25	--	< 0.2 U	< 0.005 U	< 0.005 U	< 1 U	< 1 U	< 1 U	< 3 U	0.11	< 0.05 U	719	1,810
	8/12/2009	N	--	< 0.02 U	--	0.243	--	0.25	--	< 0.2 U	< 0.005 U	< 0.005 U	< 1 U	< 1 U	< 1 U	< 3 U	< 0.095 U	< 0.05 U	589	1,830
	3/4/2010	N	--	< 0.05 U	--	0.252	--	0.274	--	0.147	< 0.050 U	< 0.050 U	< 1 U	< 1 U	< 1 U	< 1 U	< 0.050 U	< 0.05 U	634	2,070
	8/9/2010	N	--	0.01	--	0.22	--	0.25	--	0.121	< 0.050 U	< 0.050 U	< 1 U	< 2 U	< 1 U	< 1 U	0.077	< 0.05 U	531	1,900
	5/16/2012	N	< 0.0100 U	--	0.166	--	--	0.165	< 0.200 U	--	< 0.0200 U	--	< 1.00 UJ	< 2.00 UJ	< 1.00 UJ	< 1.00 UJ	--	--	614 J	2,200
	5/16/2012	FD	< 0.0100 U	--	0.179	--	--	0.165	< 0.200 U	--	< 0.0200 U	--	< 1.00 UJ	< 2.00 UJ	< 1.00 UJ	< 1.00 UJ	--	--	611 J	2,220
	11/7/2012	N	--	< 0.0100 U	--	0.165	--	0.161	--	< 0.200 U	< 0.0200 U	< 0.0200 U	< 1.00 U	< 2.00 U	< 1.00 U	< 1.00 U	--	--	620	1,690
	11/7/2012	FD	--	< 0.0100 U	--	0.166	--	0.161	--	< 0.200 U	< 0.0200 U	< 0.0200 U	< 1.00 U	< 2.00 U	< 1.00 U	< 1.00 U	--	--	613	1,930
	5/7/2013	N	< 0.0200 U	--	0.235	--	--	0.176	< 0.200 U	--	< 0.0200 U	--	< 1.00 U	< 2.00 U	< 1.00 U	< 1.00 U	--	--	595	2,100
MW055SA	10/31/2013	N	< 0.0200 U	--	0.149	--	--	0.160 J	< 0.200 U	--	< 0.0200 U	--	< 1.00 U	< 2.00 U	< 1.00 U	< 1.00 U	--	--	565	1,920
	5/14/2014	N	0.0172 J	--	0.278	--	--	0.241	< 0.200 U	--	0.00419 J	--	< 1.00 U	< 2.00 U	< 1.00 U	< 1.00 U	--	--	602 J	2,480
	11/12/2014	N	0.0109 J	--	0.159	--	--	0.166	< 0.200 U	--	0.00502 J	--	< 1.00 U	< 2.00 U	< 1.00 U	< 1.00 U	--	--	557	2,010
	5/14/2015	N	0.0191 J	--	0.274	--	--	0.291	< 0.200 U	--	< 0.0200 U	--	< 1.00 U	< 2.00 U	< 1.00 U	< 1.00 U	--	--	610	2,020
	11/12/2015	N	0.00673 J	--	0.161	--	--	0.162	< 0.200 U	--	< 0.0200 U	--	--	--	--	--	--	--	580	1,910
	5/18/2016	N	0.008 J	--	0.192	--	0.202	--	--	--	--	--	--	--	--	--	--	--	541	2,020
	9/19/2016	N	< 0.00336 U	--	0.165	--	0.168	--	< 0.00616 U	--	< 0.000585 U	--	--	--	--	--	--	--	599	1,960
	5/9/2017	N	0.00647	--	0.159	--	--	--	0.00386 J	--	0.000225 J	--	--	--	--	--	--	--	613	1,800
	9/20/2017	N	0.00754	--	0.181	--	--	--	< 0.1 U	--	0.000399 J	--	--	--	--	--	--	--	650	1,920
	3/22/2018	Reg	--	0.00734	--	0.179	--	0.154	< 0.1	--	--	0.000368	--	--	--	--	--	--	620	1,650
	9/12/2018	Reg	0.00784	--	0.171	--	0.166	--	--	< 0.100 U	0.000439 J	--	--	--	--	--	--	--	622	1,660
	1/7/2003	N	--	< 0.05 U	0.32	--	0.17	--	--	--	--	--	< 2 U	16	< 2 U	< 2 U	< 0.25 U	< 0.05 U	1,300	3,500
	3/17/2003	N	--	--	--	--	< 0.005 U	--	--	--	--	--	< 2 U	< 2 U	< 2 U	< 2 U	< 0.25 U	< 0.05 U	200	--
	5/21/2003	N	--	--	--	--	0.125	--	--	--	--	--	--	--	--	--	--	--	1,300	--
	9/10/2003	N	--	--	0.33	--	--	0.22	--	--	--	--	--	--	--	--	--	--	--	--
	12/16/2003	N	--	--	0.37	--	0.27	--	--	--	--	--	--	--	--	--	--	--	1,220	--
	12/16/2003	FD	--	--	0.35	--	0.28	--	--	--	--	--	--	--	--	--	--	--	1,240	--
	7/1/2004	N	--	--	0.37	--	0.21	--	--	--	--	--	--	--	--	--	--	--	1,310	--
	1/11/2005	N	--	--	0.38	--	0.06	--	--	--	--	--	--	--	--	--	--	--	1,380	--
	6/6/2005	N	--	--	0.37	--	--	--	--	--	--	--	--	--	--	--	--	--	1,360	--
	1/26/2006	N	--	< 0.02 U	--	0.432	--	0.4	--	< 0.2 U	< 0.005 U	< 0.005 U	< 1 U	< 1 U	< 1 U	< 3 U	< 0.6 U	< 0.6 U	1,330	3,640
	7/12/2006	N	--	< 0.02 U	--	0.375	--	0.42	--	< 0.2 U	< 0.005 U	< 0.005 U	< 1 U	1.2	1.1	< 3 U	0.22	< 0.05 U	1,460	3,240
	4/11/2007	N	--	< 0.02 U	--	0.323	--	0.28	--	0.414	< 0.005 U	< 0.005 U	< 1 U	< 1 U	< 1 U	< 3 U	< 0.096 U	< 0.05 U	1,320	--
	9/21/2007	N	--	0.0216	--	0.445	--	0.41	--	0.209	< 0.005 U	< 0.005 U	< 1 U	< 1 U	< 1 U	< 3 U	0.17	< 0.05 U	1,470	--
	4/9/2008	N	--	< 0.02 U	--	0.417	--	0.4	--	< 0.2 U	< 0.005 U	< 0.005 U	1.6	< 1 U	< 1 U	< 3 U	< 0.095 U	< 0.05 U	1,400	3,590
	8/19/2008	N	--	< 0.02 U	--	0.365	--	0.35	--	< 0.2 U	< 0.005 U	< 0.005 U	< 1 U	< 1 U	< 1 U	< 3 U	< 0.1 U	< 0.05 U	1,540	3,880
	3/25/2009	N	--	< 0.02 U	--	0.402	--	0.41	--	< 0.2 U	< 0.005 U	< 0.005 U	< 1 U	< 1 U	< 1 U	< 3 U	< 0.095 U	< 0.05 U	1,230	3,930
	8/12/2009	N	--	0.0254	--	0.398	--	0.41	--	< 0.2 U	< 0.005 U	< 0.005 U	< 1 U	< 1 U	< 1 U	< 3 U	0.16	< 0.05 U	1,330	4,020
MW056SA	3/4/2010	N	--	< 0.05 U	--	0.421	--	0.44	--	0.091	< 0.050 U	< 0.050 U	< 1 U	< 1 U	< 1 U	< 1 U	0.102	< 0.05 U	1,390	4,100
	8/9/2010	N	--	0.023	--	0.357	--	0.45	--	< 0.1 U	< 0.050 U	< 0.050 U	< 1 U	< 2 U	< 1 U	< 1 U	0.14	< 0.05 U	1,280	3,920
	5/16/2012	N	< 0.0100 U	--	0.407	--	--	0.379	< 0.200 U	--	< 0.0200 U	--	< 1.00 UJ	< 2.00 UJ	< 1.00 UJ	< 1.00 UJ	--	--	1390 J	4,060
	5/16/2012	FD	< 0.0100 U	--	0.384	--	--	0.377	< 0.200 U	--	< 0.0200 U	--	< 1.00 U	< 2.00 U	< 1.00 U	< 1.00 U	--	--	1430 J	4,000
	11/8/2012	N	--	< 0.0100 U	--	0.416	--	0.42	--	< 0.200 U	< 0.0200 U	< 0.0200 U	< 1.00 U	< 2.00 U	< 1.00 U	< 1.00 U	--	--	1,380	3,770
	5/8/2013	N	< 0.0200 UJ	--	0.401	--	--	0.435	< 0.200 U	--	< 0.0200 U	--	< 1.00 U	< 2.00 U	< 1.00 U	< 1.00 U	--	--	1,300	3,570
	11/4/2013	N	0.0154 J	--	0.412	--	--	0.29	< 0.200 U	--	< 0.0200 U	--	0.750 J	1.10 J	< 1.00 U	5.47	--	--	1,140	3,660
	11/4/2013	FD	0.0155 J	--	0.432	--	--	0.268	< 0.200 U	--	< 0.0200 U	--	1.90 J	1.66 J	< 1.00 U	5.58	--	--	1,150	3,620
	5/15/2014	N	< 0.0200 UJ	--	0.37	--	--	0.392	< 0.200 U	--	< 0.0200 U	--	< 1.00 U	< 2.00 U	< 1.00 U	< 1.00 U	--	--	1,320	3,550
	11/13/2014	N	0.0227	--	0.336	--	--	0.343	< 0.200 U	--	< 0.0200 U	--	< 1.00 U	< 2.00 U	< 1.00 U	< 1.00 U	--	--	1,120	3,820
	5/13/2015	N	< 0.0200 U	--	0.3	--	--	0.287	< 0.200 U	--	< 0.0200 U	--	< 1.00 U	< 2.00 U	< 1.00 U	< 1.00 U	--	--	1,190	3,730
	11/10/2015	N	0.0246	--	0.372	--	--	0.363	< 0.200 U	--	< 0.0200 U	--	--	--	--	--	--	--	1,280	3,500
	5/18/2016	N	0.0214	--	0.173	--	0.176	--	--	--	--	--	--	--	--	--	--	--	1,050	3,720
	9/19/2016	N	< 0.00336 U	--	0.217	--	0.205	--	< 0.00616 U	--	< 0.000585 U	--	--	--	--	--	--	--	970	3,720
	5/9/2017	N	0.0146	--	0.378	--	--	--	0.122 J	--	0.00068 J	--	--	--	--	--	--	--	1,180	3,800
	9/20/2017	N	0.0149	--	0.413	--	--	--	< 0.1 U	--	0.000501 J	--	--	--	--	--	--	--	1,240	3,970
	4/3/2018	Reg	--	0.0136	--	0.416	--	0.401	< 0.100 U	--	--	0.000495 J	--	--	--	--	--	--	1,260	3,560
	9/12/2018	Reg	0.0155	--	0.417	--	0.401	--	--	0.0257 J	0.000575 J	--	--	--	--	--	--	--	1,130	3,380

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			Chemical Name	Dissolved Arsenic	Total Arsenic	Dissolved Chromium	Total Chromium	Dissolved Chromium, Hexavalent	Total Chromium, Hexavalent	Dissolved Iron	Total Iron	Dissolved Manganese	Total Manganese	Benzene	Toluene	Ethylbenzene	Total Xylenes	DRO	GRO	Chloride	TDS
			Units	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	ug/l	ug/l	ug/l	ug/l	mg/l	mg/l	mg/l	mg/l
			NMWQCC Standard	0.01	0.01	0.05	0.05	0.05	0.05	1	1	0.2	0.2	5	1,000	700	620			250	1000
Location ID	Sample Date	Sample Type																			
MW057SA	1/28/2003	N		--	< 0.05 U	< 0.05 U	--	0.007	--	--	--	--	--	< 5 U	2	< 5 U	< 5 U	< 0.25 U	< 0.05 U	610	2,020
	3/12/2003	N		--	--	--	--	0.27	--	--	--	--	--	< 2 U	< 2 U	< 2 U	< 2 U	< 0.25 U	< 0.05 U	1,300	--
	5/20/2003	N		--	--	--	--	< 0.005 U	--	--	--	--	--	--	--	--	--	--	--	320	--
	9/10/2003	N		--	--	< 0.01 U	--	--	< 0.005 U	--	--	--	--	--	--	--	--	--	--	--	--
	12/17/2003	N		--	--	< 0.01 U	--	< 0.005 U	--	--	--	--	--	--	--	--	--	--	--	210	--
	6/16/2004	N		--	--	< 0.05 U	--	< 0.005 U	--	--	--	--	--	--	--	--	--	--	--	240	--
	12/15/2004	N		--	--	< 0.01 U	--	< 0.005 U	--	--	--	--	--	--	--	--	--	--	--	390	--
	6/1/2005	N		--	--	< 0.01 U	--	--	--	--	--	--	--	< 2 U	< 2 U	< 2 U	< 6 U	< 0.25 U	< 0.05 U	240	--
	1/20/2006	N		--	< 0.02 U	--	< 0.015 U	--	< 0.02 U	--	< 0.2 U	< 0.005 U	< 0.005 U	< 1 U	< 1 U	< 1 U	< 3 U	< 0.6 U	< 0.6 U	196	1,050
	6/28/2006	N		--	< 0.02 U	--	< 0.015 U	--	< 0.02 U	--	< 0.2 U	< 0.005 U	< 0.005 U	< 1 U	3.1	3.5	3.1	< 0.097 U	< 0.05 U	139	876
	3/29/2007	N		--	< 0.02 U	--	< 0.015 U	--	< 0.02 U	--	0.255	< 0.005 U	< 0.005 U	< 1 U	< 1 U	< 1 U	< 3 U	< 0.095 U	< 0.05 U	218	--
	9/11/2007	N		--	< 0.02 U	--	--	--	--	--	< 0.2 U	< 0.005 U	< 0.005 U	--	--	--	--	--	--	--	--
	9/12/2007	N		--	--	--	0.0201	--	< 0.02 U	--	--	--	--	< 1 U	< 1 U	< 1 U	< 3 U	< 0.095 U	< 0.05 U	232	--
	3/27/2008	N		--	< 0.02 U	--	0.0493	--	0.034	--	< 0.2 U	< 0.005 U	< 0.005 U	< 1 U	< 1 U	< 1 U	< 3 U	< 0.097 U	< 0.05 U	548	1,990
	8/6/2008	N		--	< 0.02 U	--	0.0478	--	0.052	--	< 0.2 U	< 0.005 U	< 0.005 U	< 1 U	< 1 U	< 1 U	< 3 U	< 0.096 U	< 0.05 U	472	1,720
	3/17/2009	N		--	< 0.02 U	--	0.0404	--	0.03	--	< 0.2 U	< 0.005 U	< 0.005 U	6.2	2.4	1.1	< 3 U	< 0.099 U	< 0.05 U	324	1,620
	8/21/2009	N		--	< 0.02 U	--	0.0393	--	0.034	--	< 0.2 U	< 0.005 U	< 0.005 U	< 1 U	< 1 U	< 1 U	< 3 U	< 0.095 U	< 0.05 U	581	--
	3/11/2010	N		--	< 0.05 U	--	< 0.05 U	--	0.03	--	0.082	< 0.050 U	< 0.050 U	< 1 U	< 1 U	< 1 U	< 1 U	< 0.051 U	< 0.05 U	149	1,300
	8/10/2010	N		--	0.017	--	< 0.05 U	--	< 0.01 U	--	< 0.1 U	< 0.050 U	< 0.050 U	< 1 U	< 2 U	< 1 U	< 1 U	< 0.051 U	< 0.05 U	160	1,120
	5/17/2012	N		< 0.0100 UJ	--	< 0.0100 U	--	--	< 0.0100 U	< 0.200 U	--	< 0.0200 U	--	< 1.00 U	< 2.00 U	< 1.00 U	< 1.00 U	--	--	181 J	1,110
	10/31/2012	N		--	< 0.0100 U	--	0.0129	--	0.0124	--	< 0.200 U	< 0.0200 U	< 0.0200 U	< 1.00 U	< 2.00 U	< 1.00 U	< 1.00 U	--	--	218	1,180
	5/8/2013	N		< 0.0200 UJ	--	0.0215	--	--	0.0215	< 0.200 U	--	< 0.0200 U	--	< 1.00 U	< 2.00 U	< 1.00 U	< 1.00 U	--	--	260	1,330
	5/14/2014	N		0.0249	--	0.000825 J	--	--	< 0.0100 U	< 0.200 U	--	< 0.0200 U	--	< 1.00 U	< 2.00 U	< 1.00 U	< 1.00 U	--	--	61.9 J	565
	11/11/2014	N		0.0127 J	--	0.00119 J	--	--	< 0.0100 U	< 0.200 U	--	< 0.0200 U	--	< 1.00 U	< 2.00 U	< 1.00 U	< 1.00 U	--	--	77.5	722
	5/13/2015	N		< 0.0200 U	--	< 0.0100 U	--	--	< 0.0100 U	< 0.200 U	--	< 0.0200 U	--	< 1.00 U	< 2.00 U	< 1.00 U	< 1.00 U	--	--	66.4	639
	5/13/2015	FD		< 0.0200 U	--	< 0.0100 U	--	--	< 0.0100 U	< 0.200 U	--	< 0.0200 U	--	< 1.00 U	< 2.00 U	< 1.00 U	< 1.00 U	--	--	75.1	664
	11/12/2015	N		0.0108 J	--	< 0.0100 U	--	--	< 0.0100 U	< 0.200 U	--	< 0.0200 U	--	--	--	--	--	--	--	76.8	668
	5/18/2016	N		0.0145	--	0.00766 J	--	0.0073 J	--	--	--	--	--	--	--	--	--	--	--	126	1,110
	5/18/2016	FD		0.014	--	0.0081 J	--	0.012	--	--	--	--	--	--	--	--	--	--	--	126	859
	9/19/2016	N		< 0.00336 U	--	0.013	--	0.0107	--	0.00619 J	--	< 0.000585 U	--	--	--	--	--	--	--	192	1,240
	5/9/2017	N		0.012	--	0.0247	--	--	--	0.0176 J	--	0.000496 J	--	--	--	--	--	--	--	272	1,210
	9/20/2017	N		0.0121	--	0.0349	--	--	--	0.0947 J	--	0.00413	--	--	--	--	--	--	--	324	1,480
	3/22/2018	Reg		--	0.0125	--	0.0268	--	0.0163	< 0.1	--	--	< 0.002	--	--	--	--	--	--	302	1,470
	9/12/2018	Reg		0.0127	--	0.0387	--	0.0276	--	--	< 0.100 U	0.000203 J	--	--	--	--	--	--	--	346	1,450
MW058	1/28/2003	N		--	< 0.05 U	0.28	--	0.19	--	--	--	--	--	< 5 U	8	< 5 U	< 5 U	< 0.25 U	< 0.05 U	610	2,270
	3/19/2003	N		--	--	--	--	0.47	--	--	--	--	--	< 2 U	< 2 U	< 2 U	< 2 U	< 0.25 U	< 0.05 U	930	--
	6/3/2003	N		--	--	--	--	0.698	--	--	--	--	--	--	--	--	--	--	--	1,070	--
	1/13/2004	N		--	--	< 0.05 U	--	0.009	--	--	--	--	--	< 2 U	< 2 U	< 2 U	< 6 U	< 0.25 U	< 0.05 U	200	--
	6/22/2004	N		--	--	0.01	--	0.009	--	--	--	--	--	< 2 U	< 2 U	< 2 U	< 6 U	< 0.25 U	< 0.05 U	150	--
	1/3/2005	N		--	--	0.41	--	0.17	--	--	--	--	--	< 2 U	< 2 U	< 2 U	< 6 U	< 0.25 U	< 0.05 U	580	--
	6/8/2005	N		--	--	0.43	--	--	--	--	--	--	--	< 2 U	< 2 U	< 2 U	< 6 U	< 0.25 U	< 0.05 U	590	--
	1/24/2006	N		--	< 0.02 U	--	0.581	--	0.54	--	< 0.2 U	< 0.005 U	< 0.005 U	< 1 U	< 1 U	< 1 U	< 3 U	< 0.6 U	< 0.6 U	610	2,500
	7/6/2006	N		--	< 0.02 U	--	0.599	--	0.57	--	< 0.2 U	< 0.005 U	< 0.005 U	< 1 U	< 1 U	< 1 U	< 3 U	< 0.095 U	< 0.05 U	639	2,100
	9/14/2007	N		--	< 0.02 U	--	0.835	--	0.86	--	< 0.2 U	< 0.005 U	< 0.005 U	< 1 U	< 1 U	< 1 U	< 3 U	< 0.097 U	< 0.05 U	694	--
	4/15/2008	N		--	< 0.02 U	--	1.7	--	1.7	--	0.338	< 0.005 U	< 0.005 U	2.3	< 1 U	< 1 U	< 3 U	< 0.095 U	< 0.05 U	1,040	3,660
	8/21/2008	N		--	< 0.02 U	--	2.26	--	2.2	--	< 0.2 U	< 0.005 U	< 0.005 U	< 1 U	< 1 U	< 1 U	< 3 U	< 0.098 U	< 0.05 U	1,140	4,490
	4/2/2009	N		--	< 0.02 U	--	2	--	1.9	--	< 0.2 U	< 0.005 U	< 0.005 U	< 1 U	< 1 U	1.6	< 3 U	< 0.094 U	< 0.05 U	876	3,680
	8/19/2009	N		--	< 0.02 U	--	2.22	--	1.1	--	< 0.2 U	< 0.005 U	< 0.005 U	< 1 U	< 1 U	< 1 U	< 3 U	< 0.1 U	< 0.05 U	1,050	--
	3/8/2010	N		--	< 0.05 U	--	1.75	--	1.65	--	< 0.03 U	< 0.05 U	< 0.05 U	< 1 U	< 1 U	< 1 U	< 1 U	0.07	< 0.05 U	667	2,580
	8/6/2010	N		--	< 0.01 U	--	2	--	2.91	--	< 0.10 U	< 0.05 U	< 0.05 U	< 1 U	< 2 U	< 1 U	< 1 U	0.071	< 0.05 U	963	4,130
	5/24/2012	N		< 0.0100 U	--	0.0175	--	--	0.0149	< 0.200 U	--	< 0.0200 U	--	< 1.00 U	< 2.00 U	< 1.00 U	< 1.00 U	--	--	219	911
	5/24/2012	FD		< 0.0100 U	--	0.0164	--	--	0.0132	< 0.200 U	--	< 0.0200 U	--	< 1.00 U	< 2.00 U	< 1.00 U	< 1.00 U	--	--	221	885
	11/6/2012	N		--	< 0.0100 U	--	2.7	--	2.76	--	< 0.200 U	< 0.0200 U	< 0.0200 U	< 1.00 U	< 2.00 U	< 1.00 U	< 1.00 U	--	--	992	4,160
	11/6/2012	FD		--	< 0.0100 U	--	2.78	--	2.8	--	0.287	< 0.0200 U	< 0.0200 U	< 1.00 U	< 2.00 U	< 1.00 U	< 1.00 U	--	--	1,020	4,140
	5/14/2013	N		0.0111 J	--	2.58	--	--	2.52	0.0612 J	--	< 0.0200 U	--	< 1.00 U	< 2.00 U	< 1.00 U	< 1.00 U	--	--	967	3,790
	10/31/2013	N		0.021	--	2.7	--	--	2.78 J	< 0.200 U	--	0.0151 J	--	< 1.00 U	< 2.00 U	< 1.00 U	< 1.00 U	--	--	1,070	4,370
	5/13/2014	N		0.0118 J	--	< 0.0100 UJ	--	--	0.00820 J	< 0.200 U	--	< 0.0200 U	--	< 1.00 U	< 2.00 U	< 1.00 U	< 1.00 U	--	--	175	909
	11/6/2014	N		0.0182 J	--	0.00907 J	--	--	0.00690 J	< 0.200 UJ	--	< 0.0200 U	--	< 1.00 U	< 2.00 U	< 1.00 U	< 1.00 U	--	--	157	781
	11/6/2014	FD		0.0171 J	--	0.00873 J	--	--	0.00570 J	< 0.200 UJ	--	< 0.0200 U	--	< 1.00 U	< 2.00 U	< 1.00 U	< 1.00 U	--	--	85.3	921
	6/1/2015	N		0.0154 J	--	0.00917 J	--	--	< 0.0100 U	< 0.200 U	--	< 0.0200 U	--	< 1.00 U	< 2.00 U	< 1.00 U	< 1.00 U	--	--	180	761
	11/5/2015	N		< 0.0200 UJ	--	0.00883 J	--	--	< 0.0100 U	< 0.200 U	--	0.00111 J	--	--	--	--	--	--	--	169	752
	5/16/2016	N		0.0816	--	2.46	--	2.72	--	--	--	--	--	--	--	--	--	--	--	1,190	4,720

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Appendix E
Historical Analytical Data (through 2017)
2021 Annual Groundwater Monitoring Report
Former Eunice North Gas Plant

ARCADIS Design & Consultancy for natural and built assets

		Chemical Name	Dissolved Arsenic	Total Arsenic	Dissolved Chromium	Total Chromium	Dissolved Chromium, Hexavalent	Total Chromium, Hexavalent	Dissolved Iron	Total Iron	Dissolved Manganese	Total Manganese	Benzene	Toluene	Ethylbenzene	Total Xylenes	DRO	GRO	Chloride	TDS
		Units	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	ug/l	ug/l	ug/l	ug/l	mg/l	mg/l	mg/l	mg/l
		NMWQCC Standard	0.01	0.01	0.05	0.05	0.05	0.05	1	1	0.2	0.2	5	1,000	700	620			250	1000
Location ID	Sample Date	Sample Type																		
	9/21/2016	N	< 0.00336 U	--	**2.56**	--	**3.09**	--	< 0.00616 U	--	< 0.000585 U	--	--	--	--	--	--	--	**1,060**	**3,740**

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		Chemical Name	Dissolved Arsenic	Total Arsenic	Dissolved Chromium	Total Chromium	Dissolved Chromium, Hexavalent	Total Chromium, Hexavalent	Dissolved Iron	Total Iron	Dissolved Manganese	Total Manganese	Benzene	Toluene	Ethylbenzene	Total Xylenes	DRO	GRO	Chloride	TDS
		Units	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	ug/l	ug/l	ug/l	ug/l	mg/l	mg/l	mg/l	mg/l
		NMWQCC Standard	0.01	0.01	0.05	0.05	0.05	0.05	1	1	0.2	0.2	5	1,000	700	620			250	1000
Location ID	Sample Date	Sample Type																		
MW058	5/11/2017	N	0.0121	--	2.72	--	--	--	0.516 J	--	0.00896	--	--	--	--	--	--	--	995 J	3530 J
	5/11/2017	FD	0.0119	--	2.85	--	--	--	0.343 J	--	0.00555	--	--	--	--	--	--	--	627 J	1670 J
	3/29/2018	Reg	--	0.0124	--	2.83	--	2.99	0.0325	--	--	0.000881 J	--	--	--	--	--	--	1,230	3,980
MW059	1/29/2003	N	--	< 0.05 U	0.07	--	0.055	--	--	--	--	--	< 5 U	3	< 5 U	< 5 U	< 0.25 U	< 0.05 U	440	1,820
	3/20/2003	N	--	--	--	--	0.088	--	--	--	--	--	< 2 U	< 2 U	< 2 U	< 2 U	< 0.25 U	< 0.05 U	600	--
	5/29/2003	N	--	--	--	--	0.128	--	--	--	--	--	--	--	--	--	--	--	910	--
	1/15/2004	N	--	--	< 0.01 U	--	< 0.005 U	--	--	--	--	--	--	--	--	--	--	--	90	--
	6/16/2004	N	--	--	< 0.05 U	--	< 0.005 U	--	--	--	--	--	--	--	--	--	--	--	80	--
	12/14/2004	N	--	--	0.08	--	0.14	--	--	--	--	--	--	--	--	--	--	--	420	--
	6/8/2005	N	--	--	0.02	--	--	--	--	--	--	--	--	--	--	--	--	--	420	--
	1/20/2006	N	--	< 0.02 U	--	0.101	--	0.095	--	< 0.2 U	< 0.005 U	< 0.005 U	< 1 U	< 1 U	< 1 U	< 3 U	< 0.6 U	< 0.6 U	435	1,840
	6/26/2006	N	--	< 0.02 U	--	0.124	--	0.12	--	< 0.2 U	< 0.005 U	< 0.005 U	< 1 U	< 1 U	< 1 U	< 3 U	< 0.095 U	< 0.05 U	446	1,780
	9/11/2007	N	--	< 0.02 U	--	--	--	--	--	< 0.2 U	< 0.005 U	< 0.005 U	--	--	--	--	--	--	--	--
	9/12/2007	N	--	--	--	0.185	--	0.19	--	--	--	--	< 1 U	< 1 U	< 1 U	< 3 U	< 0.095 U	< 0.05 U	255	--
	4/3/2008	N	--	< 0.02 U	--	0.2	--	< 0.02 U	--	< 0.2 U	< 0.005 U	< 0.005 U	3.2	1	< 1 U	< 3 U	< 0.096 U	< 0.05 U	499	2,040
	8/14/2008	N	--	< 0.02 U	--	0.546	--	0.45	--	< 0.2 U	0.0091	0.0091	1.6	1.6	2.8	< 3 U	< 0.1 U	< 0.05 U	1,010	4,140
	3/31/2009	N	--	< 0.02 U	--	0.206	--	0.2	--	< 0.2 U	< 0.005 U	< 0.005 U	< 1 U	< 1 U	< 1 U	< 3 U	< 0.097 U	< 0.05 U	517	2,300
	8/12/2009	N	--	0.0232	--	0.21	--	0.22	--	< 0.2 U	< 0.005 U	< 0.005 U	< 1 U	< 1 U	< 1 U	< 3 U	0.11	< 0.05 U	497	2,260
	3/9/2010	N	--	< 0.05 U	--	0.205	--	0.237	--	0.117	< 0.050 U	< 0.050 U	< 1 U	< 1 U	< 1 U	< 1 U	0.61	< 0.05 U	493	1,980
	8/6/2010	N	--	< 0.01 U	--	0.45	--	0.193	--	< 0.1 U	< 0.050 U	< 0.050 U	< 1 U	< 2 U	< 1 U	< 1 U	< 0.050 U	< 0.05 U	915	4,190
	5/24/2012	N	< 0.0100 U	--	0.0465	--	--	0.0451	< 0.200 U	--	< 0.0200 U	--	< 1.00 U	< 2.00 U	< 1.00 U	< 1.00 U	--	--	254	1,030
	11/2/2012	N	--	< 0.0100 U	--	0.493	--	0.495	--	< 0.200 U	< 0.0200 U	< 0.0200 U	< 1.00 U	< 2.00 U	< 1.00 U	< 1.00 U	--	--	839	3,620
	5/21/2013	N	0.0153 J	--	0.107	--	--	0.104	< 0.200 U	--	< 0.0200 U	--	< 1.00 U	< 2.00 U	< 1.00 U	< 1.00 U	--	--	428	2,120
	10/31/2013	N	0.0178 J	--	0.105	--	--	0.106 J	< 0.200 U	--	0.0522	--	< 1.00 U	< 2.00 U	< 1.00 U	< 1.00 U	--	--	404	543
	5/13/2014	N	0.0131 J	--	< 0.0100 UJ	--	--	0.00810 J	< 0.200 U	--	< 0.0200 U	--	< 1.00 U	< 2.00 U	< 1.00 U	< 1.00 U	--	--	133	661
	11/10/2014	N	0.0231	--	0.00574 J	--	--	0.00600 J	< 0.200 U	--	< 0.0200 U	--	< 1.00 U	< 2.00 U	< 1.00 U	< 1.00 U	--	--	110	653
	5/27/2015	N	0.0158 J	--	0.00405 J	--	--	< 0.0100 U	< 0.200 U	--	< 0.0200 U	--	< 1.00 U	< 2.00 U	< 1.00 U	< 1.00 U	--	--	112	629
	11/9/2015	N	< 0.0200 U	--	0.00898 J	--	--	0.00590 J	< 0.200 U	--	< 0.0200 U	--	--	--	--	--	--	--	122	598
	5/20/2016	N	0.0168	--	0.22	--	0.164	--	--	--	--	--	--	--	--	--	--	--	738	3,530
	9/21/2016	N	< 0.00336 U	--	0.541	--	0.728	--	< 0.00616 U	--	< 0.000585 U	--	--	--	--	--	--	--	987	3,990
	5/11/2017	N	0.0118	--	0.535	--	--	--	0.0336	--	0.000967 J	--	--	--	--	--	--	--	951	3,670
	9/21/2017	N	0.014	--	0.563 J	--	--	0.473	0.0436 J	--	0.000998 J	--	--	--	--	--	--	--	810	3,820
	3/29/2018	Reg	--	0.0132	--	0.562	--	0.448 J	< 0.1	--	--	0.000366 J	--	--	--	--	--	--	925	3,610
	9/13/2018	Reg	0.0141 J	--	0.556	--	0.469	--	--	< 0.500 U	0.00308 J	--	--	--	--	--	--	--	904	3,070
MW060	1/8/2003	N	--	< 0.05 U	0.25	--	0.2	--	--	--	--	--	< 2 U	< 2 U	< 2 U	< 2 U	< 0.25 U	< 0.05 U	530	2,010
	3/24/2003	N	--	--	--	--	< 0.005 U	--	--	--	--	--	--	--	--	--	--	--	840	--
	5/27/2003	N	--	--	--	--	< 0.005 U	--	--	--	--	--	--	--	--	--	--	--	950	--
	1/12/2004	N	--	--	0.02	--	0.012	--	--	--	--	--	--	--	--	--	--	--	370	--
	6/23/2004	N	--	--	0.01	--	0.009	--	--	--	--	--	--	--	--	--	--	--	360	--
	1/4/2005	N	--	--	0.02	--	0.01	--	--	--	--	--	--	--	--	--	--	--	760	--
	6/30/2005	N	--	--	< 0.01 U	--	--	--	--	--	--	--	--	--	--	--	--	--	740	--
	1/24/2006	N	--	< 0.02 U	--	< 0.015 U	--	< 0.02 U	--	0.24	0.0543	0.0543	< 1 U	< 1 U	< 1 U	< 3 U	< 0.6 U	< 0.6 U	961	3,510
	1/24/2006	FD	--	< 0.02 U	--	< 0.015 U	--	< 0.02 U	--	< 0.2 U	0.0538	0.0538	< 1 U	< 1 U	< 1 U	< 3 U	< 0.6 U	< 0.6 U	950	3,370
	7/6/2006	N	--	< 0.02 U	--	< 0.015 U	--	< 0.02 U	--	< 0.2 U	0.354	0.354	< 1 U	< 1 U	< 1 U	< 3 U	< 0.095 U	< 0.05 U	842	3,280
	3/28/2007	N	--	< 0.02 U	--	< 0.015 U	--	< 0.02 U	--	0.286	0.423	0.423	< 1 U	< 1 U	< 1 U	< 3 U	< 0.098 U	< 0.005 U	876	--
	9/14/2007	N	--	< 0.02 U	--	< 0.015 U	--	< 0.02 U	--	0.399	0.635	0.635	< 1 U	< 1 U	< 1 U	< 3 U	< 0.096 U	< 0.05 U	983	--
	3/25/2008	N	--	< 0.02 U	--	< 0.015 U	--	< 0.02 U	--	0.357	0.734	0.734	< 1 U	< 1 U	< 1 U	< 3 U	< 0.097 U	< 0.05 U	1,030	3,430
	8/11/2008	N	--	< 0.02 U	--	< 0.015 U	--	< 0.02 U	--	0.361	0.914	0.914	< 1 U	< 1 U	< 1 U	< 3 U	< 0.099 U	< 0.05 U	1,130	3,680
	3/18/2009	N	--	< 0.02 U	--	< 0.015 U	--	< 0.02 U	--	0.451	0.956	0.956	5.2	2.1	1	< 3 U	< 0.098 U	< 0.05 U	1,160	3,420
	8/24/2009	N	--	< 0.02 U	--	< 0.015 U	--	< 0.02 U	--	< 0.2 U	1.11	1.11	< 1 U	< 1 U	< 1 U	< 3 U	0.11	< 0.05 U	1,450	3,450
	3/10/2010	N	--	< 0.05 U	--	< 0.05 U	--	< 0.01 U	--	0.249	1.42	1.42	< 1 U	< 1 U	< 1 U	< 1 U	0.06	< 0.05 U	994	3,860
	8/13/2010	N	--	0.011	--	< 0.05 U	--	< 0.01 U	--	< 0.1 U	1.42	1.42	< 1 U	< 2 U	< 1 U	< 1 U	< 0.050 U	< 0.05 U	1,090	4,560
	5/24/2012	N	< 0.0100 U	--	< 0.0100 U	--	--	< 0.0100 U	0.717	--	0.905	--	3.59	< 2.00 U	3.71	< 1.00 U	--	--	758	2,750
	10/31/2012	N	--	< 0.0100 U	--	< 0.0100 U	--	< 0.0100 U	--	3.02	1.27	1.27	< 1.00 U	< 2.00 U	< 1.00 U	< 1.00 U	--	--	1,030	3,210
	5/15/2013	N	0.00865 J	--	< 0.0100 U	--	--	< 0.0100 U	0.275	--	2.1	--	< 1.00 U	< 2.00 U	< 1.00 U	< 1.00 U	--	--	1,140	4,310
	10/31/2013	N	0.0110 J	--	< 0.0100 U	--	--	< 0.0100 U	1.07	--	1.07	--	< 1.00 U	< 2.00 U	< 1.00 U	< 1.00 U	--	--	984	4,040
	5/12/2014	N	0.0184 J	--	< 0.0100 U	--	--	< 0.0100 U	0.802	--	0.935	--	< 1.00 U	< 2.00 U	< 1.00 U	< 1.00 U	--	--	1,440	2,760
	11/6/2014	N	0.0181 J	--	0.00379 J	--	--	< 0.0100 U	< 0.200 UJ	--	5.2	--	< 1.00 U	< 2.00 U	< 1.00 U	< 1.00 U	--	--	1,270	4,520
	5/21/2015	N	< 0.0200 U	--	0.00131 J	--	--	< 0.0100 U	< 0.200 U	--	2.6	--	< 1.00 U	< 2.00 U	< 1.00 U	< 1.00 U	--	--	1,300	4,980
	11/5/2015	N	< 0.0200 UJ	--	0.00727 J	--	--	< 0.0100 U	0.0549 J	--	1.1	--	--	--	--	--	--	--	696	2,460
	9/22/2017	N	0.00363	--	< 0.004 U	--	< 0.01 U	--	0.639	--	9.71	--	--	--	--	--	--	--	1,370	3,950
	3/29/2018	Reg	--	0.0056	--	< 0.00400 U	--	< 0.0100 U	1.26	--	--	9.7	--	--	--	--	--	--	1,750	3,600

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Appendix E
Historical Analytical Data (through 2017)
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Former Eunice North Gas Plant

ARCADIS Design & Consultancy for natural and built assets

		Chemical Name	Dissolved Arsenic	Total Arsenic	Dissolved Chromium	Total Chromium	Dissolved Chromium, Hexavalent	Total Chromium, Hexavalent	Dissolved Iron	Total Iron	Dissolved Manganese	Total Manganese	Benzene	Toluene	Ethylbenzene	Total Xylenes	DRO	GRO	Chloride	TDS
		Units	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	ug/l	ug/l	ug/l	ug/l	mg/l	mg/l	mg/l	mg/l
		NMWQCC Standard	0.01	0.01	0.05	0.05	0.05	0.05	1	1	0.2	0.2	5	1,000	700	620			250	1000
Location ID	Sample Date	Sample Type																		
	9/13/2018	Reg	**0.00342 J**	--	< 0.0200 U	--	< 0.0100 U	--	--	**0.765**	**10.5**	--	--	--	--	--	--	--	**1,560**	**3,470**
	1/8/2003	N	--	< 0.05 U	**4.02**	--	**2.6**	--	--	--	--	--	< 2 U	< 2 U	< 2 U	< 2 U	< 0.25 U	< 0.05 U	**430**	**2,160**
MW061	3/24/2003	N	--	--	--	--	**0.53**	--	--	--	--	--	--	--	--	--	--	--	**1,020**	--
	3/24/2003	FD	--	--	--	--	**0.34**	--	--	--	--	--	--	--	--	--	--	--	**1,040**	--
	6/4/2003	N	--	--	--	--	**0.725** **3.04**	--	--	--	--	--	--	--	--	--	--	--	**1100 870**	--
	6/4/2003	FD	--	--	--	--	**0.759**	--	--	--	--	--	--	--	--	--	--	--	**1,050**	--
	1/8/2004	N	--	--	**4.44**	--	**1.7**	--	--	--	--	--	--	--	--	--	--	--	**1,160**	--
	1/8/2004	FD	--	--	**4.93**	--	**2.4**	--	--	--	--	--	--	--	--	--	--	--	**1,150**	--
	7/8/2004	N	--	--	**3.84**	--	**3.1**	--	--	--	--	--	--	--	--	--	--	--	**580**	--
	1/11/2005	N	--	--	**3.69**	--	**1.8**	--	--	--	--	--	--	--	--	--	--	--	**810**	--
	6/9/2005	N	--	--	**3.86**	--	--	--	--	--	--	--	--	--	--	--	--	--	**740**	--
	1/26/2006	N	--	< 0.02 U	--	**4.07**	--	**0.38**	--	< 0.2 U	**0.296**	**0.296**	< 1 U	< 1 U	< 1 U	< 3 U	< 0.6 U	< 0.6 U	**844**	**3,580**
	7/5/2006	N	--	< 0.02 U	--	**3.91**	--	**3.6**	--	< 0.2 U	**0.3**	**0.3**	< 1 U	< 1 U	< 1 U	< 3 U	< 0.094 U	< 0.05 U	**766**	**3,260**
	4/18/2007	N	--	< 0.02 U	--	**3.81**	--	**3.4**	--	< 0.2 U	**0.29**	**0.29**	< 1 U	< 1 U	< 1 U	< 3 U	< 0.096 U	< 0.005 U	**756**	--
	9/21/2007	N	--	< 0.02 U	--	**3.45**	--	**3.1**	--	< 0.2 U	**0.267**	**0.267**	< 1 U	< 1 U	< 1 U	< 3 U	< 0.095 U	< 0.05 U	**697**	--
	8/7/2008	N	--	< 0.02 U	--	**2.95**	--	**2.6**	--	< 0.2 U	**0.186**	**0.186**	< 1 U	< 1 U	< 1 U	< 3 U	**0.1**	< 0.05 U	**707**	**3,140**
	4/1/2009	N	--	< 0.02 U	--	**2.7**	--	**2.7**	--	< 0.2 U	**0.158**	**0.158**	**2**	**13**	**4.6**	**3.6**	**0.14**	**0.078**	**651**	**2,950**
MW061	8/19/2009	N	--	< 0.02 U	--	**4.24**	--	**4.4**	--	< 0.2 U	**0.0615**	**0.0615**	< 1 U	< 1 U	< 1 U	< 3 U	< 0.098 U	< 0.05 U	**716**	--
	3/9/2010	N	--	< 0.05 U	--	**2.24**	--	**2.58**	--	**0.036**	**0.121**	**0.121**	< 1 U	< 1 U	< 1 U	< 1 U	**0.112**	< 0.05 U	**569**	**2,910**
	8/11/2010	N	--	< 0.01 U	--	**1.82**	--	**2.29**	--	< 0.1 U	**0.058**	**0.058**	< 1 U	< 2 U	< 1 U	< 1 U	< 0.053 U	< 0.05 U	**636**	**4,300**
	5/25/2012	N	< 0.0100 U	--	**0.243**	--	--	**0.251**	< 0.200 U	--	**0.0729**	--	< 1.00 U	< 2.00 U	< 1.00 U	< 1.00 U	--	--	**330**	**1,600**
	11/2/2012	N	--	< 0.0100 U	--	**4.79**	--	**5.01**	--	< 0.200 U	< 0.0200 U	< 0.0200 U	< 1.00 U	< 2.00 U	< 1.00 U	< 1.00 U	--	--	**823**	**3,800**
	5/15/2013	N	**0.0232**	--	**3.84**	--	--	**3.82**	< 0.200 U	--	**0.00544 J**	--	< 1.00 U	< 2.00 U	< 1.00 U	< 1.00 U	--	--	**554**	**2,550**
	11/1/2013	N	**0.00902 J**	--	**0.423**	--	--	**0.367**	< 0.200 U	--	**0.234**	--	< 1.00 U	< 2.00 U	< 1.00 U	< 1.00 U	--	--	**267**	**1,710**
	5/13/2014	N	**0.00808 J**	--	**0.11**	--	--	**0.111**	< 0.200 U	--	**0.0652**	--	< 1.00 U	< 2.00 U	< 1.00 U	< 1.00 U	--	--	**272**	**1,570**
	5/13/2014	FD	**0.0114 J**	--	**0.104**	--	--	**0.111**	< 0.200 U	--	**0.0609**	--	< 1.00 U	< 2.00 U	< 1.00 U	< 1.00 U	--	--	**273**	**1,900**
	11/7/2014	N	< 0.0200 U	--	**0.171**	--	--	**0.137**	< 0.200 U	--	**0.0712**	--	< 1.00 U	< 2.00 U	< 1.00 U	< 1.00 U	--	--	**213**	**1560 J**
	5/20/2015	N	**0.0246**	--	**2.25**	--	--	**2.41**	< 0.200 UJ	--	**0.0167 J**	--	< 1.00 U	< 2.00 U	< 1.00 U	< 1.00 U	--	--	**930**	**4,110**
	11/6/2015	N	< 0.0200 UJ	--	**0.17**	--	--	**0.142**	< 0.200 U	--	**0.101**	--	--	--	--	--	--	--	**202**	**1,310**
	5/13/2016	N	**0.0903**	--	**1.7**	--	**1.73**	--	--	--	--	--	--	--	--	--	--	--	**1,030**	**3,650**
	9/21/2016	N	< 0.00336 U	--	**1.68**	--	**2.2**	--	< 0.00616 U	--	**0.0157 J**	--	--	--	--	--	--	--	**1,130**	**4,210**
	5/11/2017	N	**0.0107**	--	**1.96**	--	**2.13**	--	**0.127**	--	**0.0221**	--	--	--	--	--	--	--	**883**	**3,840**
	9/22/2017	N	**0.0119**	--	**2.2**	--	**1.99**	--	< 0.1 U	--	**0.0292**	--	--	--	--	--	--	--	**927**	**4,900**
	4/3/2018	Reg	--	**0.011**	--	**1.68**	--	**1.49**	< 0.100 U	--	--	**0.0702 J**	--	--	--	--	--	--	**1,030**	**3,600**
	4/3/2018	FD	--	**0.0107**	--	**2.11**	--	**1.44**	< 0.100 U	--	--	**0.0394 J**	--	--	--	--	--	--	**1,140**	**3,660**
	9/13/2018	Reg	**0.0120 J**	--	**1.56**	--	**1.44**	--	--	< 0.500 U	**0.036**	--	--	--	--	--	--	--	**1,060**	**3,830**
	3/6/2003	N	--	--	--	--	< 0.005 U	--	--	--	--	--	--	--	--	--	--	--	**63**	--
	5/22/2003	N	--	--	--	--	< 0.005 U	--	--	--	--	--	--	--	--	--	--	--	**50**	--
	1/15/2004	N	--	--	< 0.01 U	--	< 0.005 U	--	--	--	--	--	--	--	--	--	--	--	**70**	--
	6/17/2004	N	--	--	< 0.05 U	--	< 0.005 U	--	--	--	--	--	--	--	--	--	--	--	**80**	--
	12/21/2004	N	--	--	< 0.01 U	--	< 0.005 U	--	--	--	--	--	--	--	--	--	--	--	**80**	--
	5/25/2005	N	--	--	< 0.01 U	--	--	--	--	--	--	--	--	--	--	--	--	--	**60**	--
	1/24/2006	N	--	**0.0277**	--	< 0.015 U	--	< 0.02 U	--	< 0.2 U	< 0.005 U	< 0.005 U	< 1 U	< 1 U	< 1 U	< 3 U	< 0.6 U	< 0.6 U	**64**	**512**
	6/27/2006	N	--	**0.0224**	--	< 0.015 U	--	< 0.02 U	--	< 0.2 U	< 0.005 U	< 0.005 U	**1.9**	**11**	**10**	**8.6**	< 0.096 U	**0.097**	**64.5**	**514**
	4/20/2007	N	--	**0.0276**	--	< 0.015 U	--	< 0.02 U	--	< 0.2 U	< 0.005 U	< 0.005 U	**3.4**	< 1 U	**2.3**	< 3 U	< 0.097 U	< 0.05 U	**56.8**	--
	9/14/2007	N	--	**0.0305**	--	< 0.015 U	--	< 0.02 U	--	< 0.2 U	< 0.005 U	< 0.005 U	**1**	**1**	< 1 U	< 3 U	< 0.095 U	< 0.05 U	**60.4**	--
	4/9/2008	N	--	**0.0252**	--	< 0.015 U	--	< 0.02 U	--	< 0.2 U	< 0.005 U	< 0.005 U	**3**	< 1 U	< 1 U	< 3 U	< 0.095 U	< 0.05 U	**62.5**	**487**
	8/18/2008	N	--	**0.0265**	--	< 0.015 U	--	< 0.02 U	--	< 0.2 U	< 0.005 U	< 0.005 U	< 1 U	< 1 U	**1.3**	< 3 U	< 0.096 U	< 0.05 U	**60.2**	**516**
	4/2/2009	N	--	**0.0268**	--	< 0.015 U	--	< 0.02 U	--	< 0.2 U	**0.0065**	**0.0065**	< 1 U	< 1 U	**2.9**	< 3 U	< 0.096 U	< 0.05 U	**57.2**	**495**
	8/3/2009	N	--	**0.0235**	--	< 0.015 U	--	< 0.02 U	--	< 0.2 U	< 0.005 U	< 0.005 U	< 1 U	< 1 U	< 1 U	< 3 U	**0.44**	**0.11**	**62.1**	**504**
	3/2/2010	N	--	< 0.05 U	--	< 0.05 U	--	< 0.01 U	--	**0.103**	< 0.050 U	< 0.050 U	< 1 U	< 2 U	< 1 U	< 1 U	**0.164**	< 0.05 U	**60.8**	**1000**
	8/5/2010	N	--	**0.035**	--	< 0.05 U	--	< 0.01 U	--	< 0.1 U	< 0.050 U	< 0.050 U	< 1 U	**2.2**	< 1 U	< 1 U	**0.277**	< 0.05 U	**64**	**432**
MW062A	5/23/2012	N	< 0.0100 UJ	--	< 0.0100 U	--	--	< 0.0100 U	< 0.200 U	--	**0.0277**	--	< 1.00 U	< 2.00 U	< 1.00 U	< 1.00 U	--	--	**59.2**	**569**
	10/31/2012	N	--	< 0.0100 U	--	< 0.0100 U	--	< 0.0100 U	--	< 0.200 U	< 0.0200 U	< 0.0200 U	< 1.00 U	< 2.00 U	< 1.00 U	< 1.00 U	--	--	**64.9**	**516**
	5/14/2013	N	**0.0227**	--	< 0.0100 U	--	--	< 0.0100 U	< 0.200 U	--	< 0.0200 U	--	< 1.00 U	< 2.00 U	< 1.00 U	< 1.00 U	--	--	**60.4**	**502**
	10/30/2013	N	**0.0185 J**	--	< 0.0100 U	--	--	< 0.0100 U	< 0.200 U	--	**0.0617**	--	< 1.00 U	< 2.00 U	< 1.00 U	< 1.00 U	--	--	**56.2**	**478**
	5/13/2014	N	**0.0179 J**	--	< 0.0100 U	--	--	< 0.0100 U	< 0.200 U	--	< 0.0200 U	--	< 1.00 U	< 2.00 U	< 1.00 U	< 1.00 U	--	--	**70.2**	**604**
	11/10/2014	N	**0.0253**	--	**0.000903 J**	--	--	< 0.0100 U	< 0.200 U	--	< 0.0200 U	--	< 1.00 U	< 2.00 U	< 1.00 U	< 1.00 U	--	--	**60.3**	**476**
	5/28/2015	N	**0.0208**	--	**0.000870 J**	--	--	< 0.0100 U	< 0.200 U	--	**0.00401 J**	--	< 1.00 U	< 2.00 U	< 1.00 U	< 1.00 U	--	--	**60.3**	**490**
	11/10/2015	N	**0.0274**	--	< 0.0100 U	--	--	< 0.0100 U	< 0.200 U	--	< 0.0200 U	--	--	--	--	--	--	--	**63.2**	**517**
	5/16/2016	N	**0.0274**	--	< 0.00136 U	--	< 0.00548 U	--	--	--	--	--	--	--	--	--	--	--	**63.8**	**317**

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Location ID	Sample Date	Sample Type	Chemical Name	Dissolved Arsenic	Total Arsenic	Dissolved Chromium	Total Chromium	Dissolved Chromium, Hexavalent	Total Chromium, Hexavalent	Dissolved Iron	Total Iron	Dissolved Manganese	Total Manganese	Benzene	Toluene	Ethylbenzene	Total Xylenes	DRO	GRO	Chloride	TDS
			Units	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	ug/l	ug/l	ug/l	ug/l	mg/l	mg/l	mg/l	mg/l
			NMWQCC Standard	0.01	0.01	0.05	0.05	0.05	0.05	1	1	0.2	0.2	5	1,000	700	620			250	1000
	9/21/2016	N		0.019	--	0.00327 J	--	< 0.01 U	--	< 0.00616 U	--	< 0.000585 U	--	--	--	--	--	--	--	61.3	505
	5/11/2017	N		0.0214	--	0.00312 J	--	< 0.01 U	--	0.00369 J	--	0.000214 J	--	--	--	--	--	--	--	63	334
	5/11/2017	FD		0.0203	--	0.00336 J	--	< 0.01 U	--	0.0102 J	--	0.000357 J	--	--	--	--	--	--	--	62.8	418
	9/21/2017	N		0.0254	--	0.00193 J	--	--	< 0.0100 U	< 0.100 U	--	0.000262 J	--	--	--	--	--	--	--	59	482
	3/29/2018	Reg		--	0.0242	--	0.00207 J	--	< 0.0100 U	< 0.1	--	--	0.000335 J	--	--	--	--	--	--	55.8	471
	9/12/2018	Reg		0.024	--	0.00213 J	--	< 0.0100 U	--	--	< 0.100 U	< 0.00200 U	--	--	--	--	--	--	--	57.9	497
	3/29/2018	Reg		--	0.0233	--	0.00126 J	--	< 0.0100 U	< 0.1	--	--	0.000891 J	--	--	--	--	--	--	49.2	444
	9/12/2018	Reg		0.0233	--	0.00162 J	--	< 0.0100 U	--	--	< 0.100 U	0.000592 J	--	--	--	--	--	--	--	51.7	472
	1/13/2003	N		--	< 0.05 U	< 0.05 U	--	< 0.005 U	--	--	--	--	--	< 2 U	< 2 U	< 2 U	< 2 U	< 0.25 U	< 0.05 U	55	490
MW063SA	1/14/2003	N		--	< 0.05 U	< 0.05 U	--	< 0.005 U	--	--	--	--	--	< 2 U	< 2 U	< 2 U	< 2 U	< 0.25 U	< 0.05 U	70	520
	3/6/2003	N		--	--	--	--	< 0.005 U	--	--	--	--	--	--	--	--	--	--	--	53	--
	5/22/2003	N		--	--	--	--	< 0.005 U	--	--	--	--	--	--	--	--	--	--	--	50	--
	1/14/2004	N		--	--	< 0.01 U	--	< 0.005 U	--	--	--	--	--	--	--	--	--	--	--	60	--
	6/15/2004	N		--	--	< 0.05 U	--	< 0.005 U	--	--	--	--	--	--	--	--	--	--	--	60	--
	12/14/2004	N		--	--	< 0.01 U	--	< 0.005 U	--	--	--	--	--	--	--	--	--	--	--	60	--
	5/24/2005	N		--	--	< 0.01 U	--	--	--	--	--	--	--	--	--	--	--	--	--	50	--
	1/20/2006	N		--	0.0239	--	< 0.015 U	--	< 0.02 U	--	< 0.2 U	< 0.005 U	< 0.005 U	< 1 U	< 1 U	< 1 U	< 3 U	< 0.6 U	< 0.6 U	56	480
	6/27/2006	N		--	0.0235	--	< 0.015 U	--	< 0.02 U	--	< 0.2 U	< 0.005 U	< 0.005 U	4	20	14	12	< 0.095 U	0.14	55.1	495
	4/20/2007	N		--	0.0243	--	< 0.015 U	--	< 0.02 U	--	< 0.2 U	< 0.005 U	< 0.005 U	8.6	< 1 U	< 3 U	< 3 U	< 0.098 U	< 0.05 U	54.3	--
	9/11/2007	N		--	< 0.02 U	--	< 0.015 U	--	< 0.02 U	--	< 0.2 U	< 0.005 U	< 0.005 U	< 1 U	< 1 U	< 1 U	< 3 U	< 0.095 U	< 0.05 U	121	--
	4/9/2008	N		--	0.0246	--	< 0.015 U	--	< 0.02 U	--	< 0.2 U	< 0.005 U	< 0.005 U	5.2	1.2	< 1 U	< 3 U	< 0.095 U	< 0.05 U	55.9	466
	8/18/2008	N		--	0.0259	--	< 0.015 U	--	< 0.02 U	--	< 0.2 U	< 0.005 U	< 0.005 U	< 1 U	< 1 U	1.4	< 3 U	< 0.096 U	< 0.05 U	55.5	503
	4/2/2009	N		--	0.0272	--	< 0.015 U	--	< 0.02 U	--	< 0.2 U	< 0.005 U	< 0.005 U	< 1 U	< 1 U	2.5	< 3 U	< 0.095 U	< 0.05 U	66.2	488
	8/4/2009	N		--	0.0264	--	< 0.015 U	--	< 0.02 U	--	< 0.2 U	< 0.005 U	< 0.005 U	< 1 U	< 1 U	< 1 U	< 3 U	0.14	0.051	56.1	502
	3/2/2010	N		--	< 0.05 U	--	< 0.05 U	--	< 0.01 U	--	0.145	< 0.05 U	< 0.05 U	< 1 U	< 2 U	< 1 U	< 1 U	0.19	< 0.05 U	51.9	668
MW063SA	8/5/2010	N		--	0.023	--	< 0.05 U	--	0.013	--	< 0.1 U	< 0.05 U	< 0.05 U	< 1 U	< 2 U	< 1 U	< 1 U	0.128	< 0.05 U	51.4	416
	5/18/2012	N		< 0.0100 U	--	< 0.0100 U	--	--	< 0.0100 U	< 0.200 U	--	< 0.0200 U	--	< 1.00 U	< 2.00 U	< 1.00 U	< 1.00 U	--	--	58	430
	10/31/2012	N		--	< 0.0100 U	--	< 0.0100 U	--	< 0.0100 U	--	< 0.200 U	< 0.0200 U	< 0.0200 U	< 1.00 U	< 2.00 U	< 1.00 U	< 1.00 U	--	--	53.4	459
	5/13/2013	N		0.0241	--	< 0.0100 U	--	--	< 0.0100 U	< 0.200 U	--	< 0.0200 U	--	< 1.00 U	< 2.00 U	< 1.00 U	< 1.00 U	--	--	52.6	456
	10/30/2013	N		0.0180 J	--	< 0.0100 U	--	--	< 0.0100 U	< 0.200 U	--	0.00768 J	--	< 1.00 U	< 2.00 U	< 1.00 U	< 1.00 U	--	--	49.5	469
	5/13/2014	N		0.0209	--	< 0.0100 U	--	--	0.00710 J	< 0.200 U	--	< 0.0200 U	--	< 1.00 U	< 2.00 U	< 1.00 U	< 1.00 U	--	--	51.1	537
	11/10/2014	N		0.0199 J	--	< 0.0100 U	--	--	< 0.0100 U	< 0.200 U	--	< 0.0200 U	--	< 1.00 U	< 2.00 U	< 1.00 U	< 1.00 U	--	--	53.1	463
	11/10/2014	FD		0.0148 J	--	< 0.0100 U	--	--	< 0.0100 U	< 0.200 U	--	< 0.0200 U	--	< 1.00 U	< 2.00 U	< 1.00 U	< 1.00 U	--	--	53.6	489
	5/28/2015	N		0.0292	--	0.000847 J	--	--	< 0.0100 U	< 0.200 U	--	< 0.0200 U	--	< 1.00 U	< 2.00 U	< 1.00 U	< 1.00 U	--	--	52.5	462
	11/10/2015	N		0.0262	--	< 0.0100 U	--	--	< 0.0100 U	< 0.200 U	--	< 0.0200 U	--	--	--	--	--	--	--	54.3	700
	11/10/2015	FD		0.0221	--	< 0.0100 U	--	--	< 0.0100 U	< 0.200 U	--	< 0.0200 U	--	--	--	--	--	--	--	54.5	660
	5/16/2016	N		0.0257	--	< 0.00136 U	--	< 0.00548 U	--	--	--	--	--	--	--	--	--	--	--	52.3	479
	9/21/2016	N		0.0261	--	< 0.00136 U	--	< 0.01 U	--	< 0.00616 U	--	< 0.000585 U	--	--	--	--	--	--	--	61.6	464
	5/11/2017	N		0.021	--	0.00309 J	--	< 0.01 U	--	0.00612 J	--	0.000251 J	--	--	--	--	--	--	--	67.8	414
	9/21/2017	N		0.0248	--	0.00154 J	--	--	< 0.0100 U	< 0.100 U	--	0.000408 J	--	--	--	--	--	--	--	51.7	518
	2/26/2003	N		--	< 0.05 U	0.09	--	0.071	--	--	--	--	--	< 2 U	< 2 U	< 2 U	< 2 U	< 0.25 U	< 0.05 U	1,400	3,100
	3/24/2003	N		--	--	--	--	0.084	--	--	--	--	--	--	--	--	--	--	--	1,150	--
	5/20/2003	N		--	--	--	--	0.116	--	--	--	--	--	--	--	--	--	--	--	1,300	--
	9/10/2003	N		--	--	0.02	--	--	0.051	--	--	--	--	--	--	--	--	--	--	--	--
	12/10/2003	N		--	--	0.31	--	0.26	--	--	--	--	--	--	--	--	--	--	--	1,080	--
	12/10/2003	FD		--	--	0.31	--	0.26	--	--	--	--	--	--	--	--	--	--	--	1,070	--
	3/10/2004	N		--	< 0.05 U	0.22	0.21	0.29	--	< 0.1 U	< 0.1 U	< 0.05 U	< 0.05 U	--	--	--	--	--	--	1,200	--
	6/7/2004	N		--	< 0.01 U	0.16	0.18	0.106	--	< 0.1 U	1.3	< 0.05 U	< 0.05 U	--	--	--	--	--	--	2,300	--
	7/22/2004	N		--	< 0.01 U	0.12	0.07	0.072	--	< 0.1 U	3.5	< 0.05 U	0.12	--	--	--	--	--	--	1,300	--
	8/24/2004	N		--	< 0.01 U	0.15	0.08	0.1	--	< 0.25 U	3.08	< 0.01 U	0.1	--	--	--	--	--	--	1,230	--
	10/20/2004	N		--	< 0.01 U	0.13	0.08	0.095	--	< 0.1 U	< 0.1 U	< 0.05 U	< 0.05 U	--	--	--	--	--	--	1,230	--
	12/9/2004	N		--	< 0.01 U	0.13	0.08	0.092	--	< 4 U	< 4 U	< 0.1 U	< 0.1 U	--	--	--	--	--	--	1,260	3,420
	1/12/2005	N		--	< 0.01 U	0.17	0.17	0.2	--	< 0.4 U	< 0.4 U	< 0.01 U	1.75	--	--	--	--	--	--	1,210	3,340
	2/2/2005	N		--	< 0.01 U	0.21	0.13	0.055	--	< 0.4 U	2.11	< 0.01 U	0.08	--	--	--	--	--	--	1,120	3,220
	3/1/2005	N		--	< 0.01 U	0.11	0.07	0.15	--	< 0.4 U	0.9	< 0.01 U	0.03	--	--	--	--	--	--	1,240	3,160
	3/24/2005	N		--	< 0.01 U	0.1	0.06	0.041	--	< 0.4 U	1.68	< 0.01 U	0.04	--	--	--	--	--	--	1,110	3,230
MW064SA	4/27/2005	N		--	< 0.01 U	0.18	0.16	0.2	--	< 0.4 U	1.84	< 0.01 U	0.07	--	--	--	--	--	--	1,120	3,180
	5/24/2005	N		--	< 0.01 U	0.17	0.15	0.16	--	< 0.4 U	1.18	< 0.01 U	0.04	--	--	--	--	--	--	1,140	3,200
	6/28/2005	N		--	--	0.13	--	--	--	< 0.4 U	--	< 0.01 U	--	--	--	--	--	--	--	1,160	--
	7/14/2005	N		--	< 0.1 U	0.13	0.6	0.24	--	< 0.4 U	1.75	< 0.01 U	0.5	--	--	--	--	--	--	1,170	3,240
	2/2/2006	N		--	< 0.02 U	--	0.169	--	0.14	--	2.82	0.0721	0.0721	< 1 U	< 1 U	< 1 U	< 3 U	< 0.6 U	< 0.6 U	1,150	3,010
	7/14/2006	N		--	< 0.02 U	--	0.128	--	0.14	--	< 0.2 U	< 0.005 U	< 0.005 U	< 1 U	< 1 U	< 1 U	< 3 U	0.15	< 0.05 U	1,200	3,420

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Appendix E
Historical Analytical Data (through 2017)
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Former Eunice North Gas Plant

ARCADIS Design & Consultancy for natural and built assets

Location ID	Sample Date	Sample Type	Chemical Name	Dissolved Arsenic	Total Arsenic	Dissolved Chromium	Total Chromium	Dissolved Chromium, Hexavalent	Total Chromium, Hexavalent	Dissolved Iron	Total Iron	Dissolved Manganese	Total Manganese	Benzene	Toluene	Ethylbenzene	Total Xylenes	DRO	GRO	Chloride	TDS
			Units	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	ug/l	ug/l	ug/l	ug/l	mg/l	mg/l	mg/l	mg/l
			NMWQCC Standard	0.01	0.01	0.05	0.05	0.05	0.05	1	1	0.2	0.2	5	1,000	700	620			250	1000
	3/21/2007	N		--	< 0.02 U	--	**0.179**	--	**0.16**	--	**0.252**	**0.007**	**0.007**	< 1 U	< 1 U	< 1 U	< 3 U	**0.17**	< 0.005 U	**1,090**	--
	9/6/2007	N		--	< 0.02 U	--	**0.164**	--	**0.15**	--	**220**	--	--	< 1 U	< 1 U	< 1 U	< 3 U	**0.22**	< 0.05 U	**1,130**	--
	3/25/2008	N		--	< 0.02 U	--	**0.0393**	--	**0.066**	--	**0.307**	**0.0129**	**0.0129**	< 1 U	< 1 U	< 1 U	< 3 U	**0.56**	< 0.05 U	**1,540**	**3,600**
	8/5/2008	N		--	< 0.02 U	--	**0.0386**	--	**0.073**	--	< 0.2 U	< 0.005 U	< 0.005 U	< 1 U	< 1 U	< 1 U	< 3 U	**0.73**	< 0.05 U	**1,390**	**3,890**
	3/17/2009	N		--	< 0.02 U	--	**0.127**	--	**0.11**	--	< 0.2 U	**0.0053**	**0.0053**	< 1 U	< 1 U	< 1 U	< 3 U	**0.27**	< 0.05 U	**1,190**	**3,200**
	8/17/2009	N		--	< 0.02 U	--	**0.097**	--	**0.098**	--	< 0.2 U	< 0.005 U	< 0.005 U	< 1 U	< 1 U	< 1 U	< 3 U	**0.41**	< 0.05 U	**1,500**	**3,320**
	3/2/2010	N		--	< 0.05 U	--	**0.092**	--	**0.109**	--	**0.061**	< 0.050 U	< 0.050 U	< 1 U	< 2 U	< 1 U	< 1 U	**0.292**	< 0.05 U	**1,070**	**4,460**
	8/3/2010	N		--	**0.02**	--	**0.09**	--	< 0.01 U	--	< 0.1 U	< 0.050 U	< 0.050 U	< 1 U	< 2 U	< 1 U	< 1 U	**0.291**	< 0.05 U	**858**	**2,680**
	5/11/2012	N		< 0.0100 U	--	**0.077**	--	--	**0.0745**	< 0.200 U	--	< 0.0200 U	--	< 1.00 U	< 2.00 U	< 1.00 U	< 1.00 U	--	--	**689 J**	**2,600**
	10/30/2012	N		--	< 0.0100 U	--	**0.0808**	--	**0.0792**	--	< 0.200 U	< 0.0200 U	< 0.0200 U	< 1.00 U	< 2.00 U	< 1.00 U	< 1.00 U	--	--	**737**	**3,020**
	5/6/2013	N		**0.00818 J**	--	**0.0817**	--	--	**0.0813**	< 0.200 U	--	< 0.0200 U	--	< 1.00 U	< 2.00 U	< 1.00 U	< 1.00 U	--	--	**730**	**2,610**
	2/27/2003	N		--	< 0.05 U	< 0.05 U	--	**0.01**	--	--	--	--	--	< 2 U	< 2 U	< 2 U	< 2 U	< 0.25 U	< 0.05 U	**1,300**	**2,880**
	3/25/2003	N		--	--	--	--	**0.012**	--	--	--	--	--	--	--	--	--	--	--	**1,190**	--
	5/20/2003	N		--	--	--	--	**0.014**	--	--	--	--	--	--	--	--	--	--	--	**1,200**	--
	12/10/2003	N		--	--	< 0.05 U	--	< 0.005 U	--	--	--	--	--	--	--	--	--	--	--	**960**	--
	6/16/2004	N		--	--	< 0.05 U	--	**0.009**	--	--	--	--	--	--	--	--	--	--	--	**930**	--
	12/15/2004	N		--	--	**0.04**	--	**0.02**	--	--	--	--	--	--	--	--	--	--	--	**1,190**	--
	6/2/2005	N		--	< 0.01 U	**0.03**	**0.03**	**0.043**	--	< 0.4 U	< 0.4 U	< 0.01 U	< 0.01 U	--	--	--	--	--	--	**1,170**	**3,140**
	1/20/2006	N		--	< 0.02 U	--	**0.0439**	--	**0.037**	--	< 0.2 U	< 0.005 U	< 0.005 U	< 1 U	< 1 U	< 1 U	< 3 U	< 0.6 U	< 0.6 U	**1,400**	**2,730**
	6/28/2006	N		--	< 0.02 U	--	**0.0397**	--	**0.032**	--	< 0.2 U	< 0.005 U	< 0.005 U	< 1 U	**3.4**	**3.8**	**3.2**	< 0.096 U	< 0.05 U	**1,180**	**3,100**
	4/10/2007	N		--	< 0.02 U	--	**0.0571**	--	**0.058**	--	< 0.2 U	< 0.005 U	< 0.005 U	< 1 U	< 1 U	< 1 U	< 3 U	< 0.096 U	< 0.05 U	**1,140**	--
	9/11/2007	N		--	< 0.02 U	--	--	--	--	--	< 0.2 U	< 0.005 U	< 0.005 U	--	--	--	--	--	--	--	--
	9/12/2007	N		--	--	--	**0.0675**	--	**0.065**	--	--	--	--	< 1 U	< 1 U	< 1 U	< 3 U	< 0.095 U	< 0.05 U	**599**	--
	4/8/2008	N		--	< 0.02 U	--	**0.0839**	--	**0.045**	--	< 0.2 U	< 0.005 U	< 0.005 U	**1.4**	< 1 U	< 1 U	< 3 U	< 0.099 U	< 0.05 U	**1,140**	**2,630**
	8/19/2008	N		--	< 0.02 U	--	**0.0893**	--	**0.083**	--	< 0.2 U	**0.0071**	**0.0071**	< 1 U	< 1 U	**1.1**	< 3 U	< 0.1 U	< 0.05 U	**1,120**	**3,190**
	3/25/2009	N		--	--	--	**0.0884**	--	**0.079**	--	--	--	--	< 1 U	< 1 U	**1.1**	< 3 U	< 0.096 U	< 0.05 U	**1,070**	**2,810**
	3/26/2009	N		--	< 0.02 U	--	--	--	--	--	< 0.2 U	< 0.005 U	< 0.005 U	--	--	--	--	--	--	--	--
MW065SA	8/6/2009	N		--	< 0.02 U	--	**0.0741**	--	**0.066**	--	< 0.2 U	< 0.005 U	< 0.005 U	< 1 U	< 1 U	< 1 U	< 3 U	< 0.098 U	< 0.05 U	**967**	**2,920**
	3/4/2010	N		--	< 0.05 U	--	< 0.05 U	--	**0.062**	--	**0.12**	< 0.05 U	< 0.05 U	< 1 U	< 1 U	< 1 U	< 1 U	< 0.05 U	< 0.05 U	**1,070**	**2,900**
	8/5/2010	N		--	< 0.01 U	--	< 0.05 U	--	**0.033**	--	< 0.1 U	< 0.05 U	< 0.05 U	< 1 U	< 2 U	< 1 U	< 1 U	**0.069**	< 0.05 U	**1,060**	**3,230**
	5/9/2012	N		< 0.0100 U	--	**0.206**	--	--	**0.22**	< 0.200 U	--	< 0.0200 U	--	< 1.00 U	< 2.00 U	< 1.00 U	< 1.00 U	--	--	**1,060**	**3,720**
	5/9/2012	FD		< 0.0100 U	--	**0.218**	--	--	**0.221**	< 0.200 U	--	< 0.0200 U	--	< 1.00 U	< 2.00 U	< 1.00 U	< 1.00 U	--	--	**1,050**	**3,680**
	11/1/2012	N		--	< 0.0100 U	--	**0.27**	--	**0.269**	--	< 0.200 U	< 0.0200 U	< 0.0200 U	< 1.00 U	< 2.00 U	< 1.00 U	< 1.00 U	--	--	**1,090**	**3,180**
	11/1/2012	FD		--	< 0.0100 U	--	**0.274**	--	**0.284**	--	< 0.200 U	**0.0228 J**	**0.0228 J**	< 1.00 U	< 2.00 U	< 1.00 U	< 1.00 U	--	--	**1,070**	**3,320**
	5/7/2013	N		**0.0105 J**	--	**0.314**	--	--	**0.317**	< 0.200 U	--	< 0.0200 U	--	< 1.00 U	< 2.00 U	< 1.00 U	< 1.00 U	--	--	**1,020**	**2,750**
	10/31/2013	N		**0.0167 J**	--	**0.179**	--	--	**0.18**	< 0.200 U	--	< 0.0200 U	--	< 1.00 U	< 2.00 U	< 1.00 U	< 1.00 U	--	--	**1,020**	**3,670**
	5/14/2014	N		**0.0162 J**	--	**0.0355**	--	--	**0.0273**	< 0.200 U	--	< 0.0200 U	--	< 1.00 U	< 2.00 U	< 1.00 U	< 1.00 U	--	--	**1050 J**	**3,290**
	11/12/2014	N		**0.0208**	--	**0.0739**	--	--	**0.0743**	< 0.200 U	--	**0.00853 J**	--	< 1.00 U	< 2.00 U	< 1.00 U	< 1.00 U	--	--	**939**	**3,190**
	5/15/2015	N		**0.0125 J**	--	**0.0819**	--	--	**0.0748**	< 0.200 U	--	**0.00531 J**	--	< 1.00 U	< 2.00 U	< 1.00 U	< 1.00 U	--	--	**1,080**	**3,240**
	11/11/2015	N		**0.0125 J**	--	**0.0858**	--	--	**0.0716**	< 0.200 U	--	**0.000661 J**	--	--	--	--	--	--	--	**1,020**	**3500 J**
	5/18/2016	N		**0.018**	--	**0.0245**	--	**0.0139**	--	--	--	--	--	--	--	--	--	--	--	**896**	**3,570**
	9/19/2016	N		< 0.00336 U	--	**0.035**	--	**0.0168**	--	**0.0485 J**	--	**0.0139 J**	--	--	--	--	--	--	--	**814**	**3,080**
	5/9/2017	N		**0.0101**	--	**0.0631**	--	**0.0547 J**	--	**0.0149 J**	--	**0.0125**	--	--	--	--	--	--	--	**1,050**	**3,380**
	5/9/2017	FD		**0.00999**	--	**0.0606**	--	**0.572 J**	--	**0.00336 J**	--	**0.0121**	--	--	--	--	--	--	--	**1,060**	**3,050**
	4/5/2018	Reg		--	**0.00851**	--	**0.114**	--	**0.11**	< 0.100 U	--	--	**0.0131**	--	--	--	--	--	--	**1,050**	**2,910**
	3/3/2003	N		--	< 0.05 U	**0.28**	--	**0.2**	--	--	--	--	--	< 2 U	< 2 U	< 2 U	< 2 U	< 0.25 U	< 0.05 U	**1,600**	**3,640**
	3/25/2003	N		--	--	--	--	**0.18**	--	--	--	--	--	--	--	--	--	--	--	**1,500**	--
	5/20/2003	N		--	--	--	--	**0.286**	--	--	--	--	--	--	--	--	--	--	--	**1,600**	--
	5/20/2003	FD		--	--	--	--	**0.28**	--	--	--	--	--	--	--	--	--	--	--	**1,500**	--
	12/16/2003	N		--	--	**0.26**	--	**0.16**	--	--	--	--	--	--	--	--	--	--	--	**1,560**	--
	6/30/2004	N		--	--	**0.23**	--	**0.19**	--	--	--	--	--	--	--	--	--	--	--	**1,500**	--
	6/30/2004	FD		--	--	**0.22**	--	**0.18**	--	--	--	--	--	--	--	--	--	--	--	**1,500**	--
	1/10/2005	N		--	--	**0.21**	--	**0.18**	--	--	--	--	--	--	--	--	--	--	--	**1,560**	--
	1/10/2005	FD		--	--	**0.22**	--	**0.23**	--	--	--	--	--	--	--	--	--	--	--	**1,570**	--
	1/26/2005	N		--	--	--	--	**0.17**	--	--	--	--	--	--	--	--	--	--	--	--	--
	2/23/2005	N		--	--	--	--	**0.8**	--	--	--	--	--	--	--	--	--	--	--	--	--
	3/30/2005	N		--	--	--	--	**0.09**	--	--	--	--	--	--	--	--	--	--	--	--	--
	4/25/2005	N		--	--	--	--	**0.2**	--	--	--	--	--	--	--	--	--	--	--	--	--
	5/25/2005	N		--	< 0.01 U	**0.18**	**0.18**	**0.32**	--	< 0.4 U	< 0.4 U	< 0.01 U	< 0.01 U	--	--	--	--	--	--	**1,500**	**4,100**
MW066SA	6/30/2005	N		--	--	--	--	**0.1**	--	--	--	--	--	--	--	--	--	--	--	--	--
	7/18/2005	N		--	--	--	--	**0.04**	--	--	--	--	--	--	--	--	--	--	--	--	--
	1/25/2006	N		--	< 0.02 U	--	**0.177**	--	**0.19**	--	**0.203**	< 0.005 U	< 0.005 U	< 1 U	< 1 U	< 1 U	< 3 U	< 0.6 U	< 0.6 U	**1,780**	**4,150**

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		Units	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	ug/l	ug/l	ug/l	ug/l	mg/l	mg/l	mg/l	mg/l
		NMWQCC Standard	0.01	0.01	0.05	0.05	0.05	0.05	1	1	0.2	0.2	5	1,000	700	620			250	1000
Location ID	Sample Date	Sample Type																		
MW066SA	1/25/2006	FD	--	< 0.02 U	--	0.177	--	0.18	--	< 0.2 U	< 0.005 U	< 0.005 U	< 1 U	< 1 U	< 1 U	< 3 U	< 0.6 U	< 0.6 U	1,860	4,300
	7/11/2006	N	--	< 0.02 U	--	0.0317	--	0.021	--	< 0.2 U	0.0061	0.0061	< 1 U	< 1 U	< 1 U	< 3 U	< 0.095 U	< 0.05 U	1,580	3,930
	9/20/2007	N	--	< 0.02 U	--	< 0.015 U	--	< 0.02 U	--	0.277	0.221	0.221	< 1 U	< 1 U	< 1 U	< 3 U	< 0.098 U	< 0.05 U	1,160	--
	8/19/2008	N	--	< 0.02 U	--	< 0.015 U	--	< 0.02 U	--	< 0.2 U	0.259	0.259	< 1 U	< 1 U	1.1	< 3 U	< 0.1 U	< 0.05 U	1,090	3,000
	3/26/2009	N	--	< 0.02 U	--	< 0.015 U	--	< 0.02 U	--	< 0.2 U	0.345	0.345	< 1 U	< 1 U	1.1	< 3 U	< 0.097 U	< 0.05 U	1,160	2,980
	8/6/2009	N	--	< 0.02 U	--	< 0.015 U	--	< 0.02 U	--	< 0.2 U	0.381	0.381	< 1 U	< 1 U	< 1 U	< 3 U	< 0.098 U	< 0.05 U	966	3,060
	3/3/2010	N	--	< 0.05 U	--	< 0.05 U	--	< 0.01 U	--	0.12	0.445	0.445	< 1 U	< 2 U	< 1 U	< 1 U	0.09	< 0.05 U	949	3,080
	8/4/2010	N	--	0.015	--	< 0.05 U	--	< 0.01 U	--	< 0.1 U	0.555	0.555	1.9	< 2 U	< 1 U	< 1 U	0.083	< 0.05 U	1,000	2,790
	5/15/2012	N	< 0.0100 UJ	--	< 0.0100 U	--	--	< 0.0100 U	< 0.200 U	--	0.534	--	< 1.00 U	< 2.00 U	< 1.00 U	< 1.00 U	--	--	1150 J	3,630
	11/2/2012	N	--	< 0.0100 U	--	< 0.0100 U	--	< 0.0100 U	--	< 0.200 U	1.01	1.01	< 1.00 U	< 2.00 U	< 1.00 U	< 1.00 U	--	--	1,190	3,150
	5/7/2013	N	0.00811 J	--	< 0.0100 U	--	--	< 0.0100 U	< 0.200 U	--	1.19	--	< 1.00 U	< 2.00 U	< 1.00 U	< 1.00 U	--	--	1,300	3,230
	5/7/2013	FD	0.00808 J	--	< 0.0100 U	--	--	< 0.0100 U	0.0276 J	--	1.09	--	< 1.00 U	< 2.00 U	< 1.00 U	< 1.00 U	--	--	1,290	3,470
	10/31/2013	N	0.00999 J	--	< 0.0100 U	--	--	< 0.0100 U	< 0.200 U	--	1.13	--	< 1.00 U	< 2.00 U	< 1.00 U	< 1.00 U	--	--	1,290	3,580
	5/15/2014	N	< 0.0200 UJ	--	< 0.0100 U	--	--	< 0.0100 U	< 0.200 U	--	1.1	--	< 1.00 U	< 2.00 U	< 1.00 U	< 1.00 U	--	--	1,410	4,100
	11/12/2014	N	0.0110 J	--	< 0.0100 U	--	--	< 0.0100 U	< 0.200 U	--	0.883	--	< 1.00 U	< 2.00 U	< 1.00 U	< 1.00 U	--	--	1,250	3,990
	5/14/2015	N	0.0128 J	--	< 0.0100 U	--	--	< 0.0100 U	< 0.200 U	--	0.905	--	< 1.00 U	< 2.00 U	< 1.00 U	< 1.00 U	--	--	1,330	3,860
	11/11/2015	N	0.0166 J	--	0.00479 J	--	--	< 0.0100 U	< 0.200 U	--	0.64	--	--	--	--	--	--	--	1,210	3710 J
	5/17/2016	N	0.022	--	0.0579	--	0.0305	--	--	--	--	--	--	--	--	--	--	--	1,260	3,470
	9/19/2016	N	< 0.00336 U	--	0.0512	--	0.0446	--	< 0.00616 U	--	0.148	--	--	--	--	--	--	--	1,110	3,400
	9/19/2016	FD	< 0.00336 U	--	0.0517	--	0.0448	--	< 0.00616 U	--	0.141	--	--	--	--	--	--	--	1,130	3,490
	5/9/2017	N	0.00815	--	0.094	--	0.0932	--	0.0548 J	--	0.298	--	--	--	--	--	--	--	1,160	3,560
	9/20/2017	N	0.00898	--	0.0801	--	0.0635	--	< 0.1 U	--	0.0741	--	--	--	--	--	--	--	1,170	3,120
	3/22/2018	Reg	--	0.00898	--	0.0387	--	0.021	< 0.1	--	--	0.0118	--	--	--	--	--	--	1,050	1,050
	9/12/2018	Reg	0.00987	--	0.0186	--	0.0137	--	--	0.0408 J	0.115	--	--	--	--	--	--	--	884	2,350
MW067SA	3/4/2003	N	--	< 0.05 U	< 0.05 U	--	< 0.005 U	--	--	--	--	--	< 2 U	< 2 U	< 2 U	< 2 U	4.1	< 0.05 U	340	1,350
	3/25/2003	N	--	--	--	--	< 0.005 U	--	--	--	--	--	--	--	--	--	--	--	350	--
	5/20/2003	N	--	--	--	--	< 0.005 U	--	--	--	--	--	< 2 U	< 2 U	< 2 U	< 2 U	< 0.25 U	< 0.05 U	480	--
	12/10/2003	N	--	--	< 0.05 U	--	< 0.005 U	--	--	--	--	--	--	--	--	--	--	--	310	--
	2/17/2004	N	--	--	< 0.05 U	--	< 0.005 U	--	< 0.1 U	--	< 0.05 U	--	--	--	--	--	--	--	--	--
	6/16/2004	N	--	--	< 0.05 U	--	< 0.005 U	--	--	--	--	--	--	--	--	--	--	--	280	--
	12/16/2004	N	--	--	< 0.01 U	--	< 0.005 U	--	--	--	--	--	--	--	--	--	--	--	260	--
	6/1/2005	N	--	--	< 0.01 U	--	--	--	--	--	--	--	--	--	--	--	--	--	240	--
	1/20/2006	N	--	0.0211	--	< 0.015 U	--	< 0.02 U	--	< 0.2 U	< 0.005 U	< 0.005 U	< 1 U	< 1 U	< 1 U	< 3 U	< 0.6 U	< 0.6 U	233	1,190
	7/10/2006	N	--	< 0.02 U	--	< 0.015 U	--	< 0.02 U	--	< 0.2 U	< 0.005 U	< 0.005 U	< 1 U	< 1 U	< 1 U	< 3 U	< 0.12 U	< 0.05 U	229	1,230
	4/5/2007	N	--	0.0209	--	< 0.015 U	--	< 0.02 U	--	< 0.2 U	< 0.005 U	< 0.005 U	< 1 U	< 1 U	< 1 U	< 3 U	< 0.098 U	< 0.05 U	210	--
	9/13/2007	N	--	0.0209	--	< 0.015 U	--	< 0.02 U	--	< 0.2 U	< 0.005 U	< 0.005 U	< 1 U	< 1 U	< 1 U	< 3 U	< 0.096 U	< 0.05 U	187	--
	3/27/2008	N	--	0.0201	--	< 0.015 U	--	< 0.02 U	--	0.226	< 0.005 U	< 0.005 U	< 1 U	< 1 U	< 1 U	< 3 U	< 0.097 U	< 0.05 U	194	1,120
	8/11/2008	N	--	< 0.02 U	--	< 0.015 U	--	< 0.02 U	--	< 0.2 U	< 0.005 U	< 0.005 U	< 1 U	< 1 U	< 1 U	< 3 U	< 0.1 U	< 0.05 U	199	1,170
	3/19/2009	N	--	0.0202	--	< 0.015 U	--	< 0.02 U	--	< 0.2 U	< 0.005 U	< 0.005 U	3.2	1.4	< 1 U	< 3 U	< 0.096 U	< 0.05 U	198	1,120
	8/20/2009	N	--	< 0.02 U	--	< 0.015 U	--	< 0.02 U	--	< 0.2 U	< 0.005 U	< 0.005 U	< 1 U	< 1 U	< 1 U	< 3 U	< 0.097 U	< 0.05 U	186	1,050
	3/11/2010	N	--	< 0.05 U	--	< 0.050 U	--	< 0.01 U	--	0.12	< 0.050 U	< 0.050 U	< 1 U	< 1 U	< 1 U	< 1 U	< 0.051 U	< 0.05 U	129	956
	8/10/2010	N	--	0.021	--	< 0.050 U	--	< 0.01 U	--	< 0.1 U	< 0.050 U	< 0.050 U	< 1 U	< 2 U	< 1 U	< 1 U	0.063	< 0.05 U	165	1000
	5/16/2012	N	< 0.0100 U	--	< 0.0100 U	--	--	< 0.0100 U	< 0.200 U	--	< 0.0200 U	--	< 1.00 UJ	< 2.00 UJ	< 1.00 UJ	< 1.00 UJ	--	--	178 J	1000
	11/2/2012	N	--	< 0.0100 U	--	< 0.0100 U	--	< 0.0100 U	--	< 0.200 U	< 0.0200 U	< 0.0200 U	< 1.00 U	< 2.00 U	< 1.00 U	< 1.00 U	--	--	179	993
	5/8/2013	N	< 0.0200 U	--	< 0.0100 U	--	--	< 0.0100 U	< 0.200 U	--	< 0.0200 U	--	< 1.00 U	< 2.00 U	< 1.00 U	< 1.00 U	--	--	164	988
	11/1/2013	N	0.0152 J	--	< 0.0100 U	--	--	< 0.0100 U	< 0.200 U	--	< 0.0200 U	--	< 1.00 U	< 2.00 U	< 1.00 U	< 1.00 U	--	--	157	981
	5/15/2014	N	< 0.0200 UJ	--	< 0.0100 U	--	--	< 0.0100 U	< 0.200 U	--	< 0.0200 UJ	--	< 1.00 U	< 2.00 U	< 1.00 U	< 1.00 U	--	--	158	942
	11/13/2014	N	0.0165 J	--	< 0.0100 U	--	--	< 0.0100 U	< 0.200 U	--	< 0.0200 U	--	< 1.00 U	< 2.00 U	< 1.00 U	< 1.00 U	--	--	214	994
	5/13/2015	N	< 0.0200 U	--	< 0.0100 U	--	--	< 0.0100 U	< 0.200 U	--	< 0.0200 U	--	< 1.00 U	< 2.00 U	< 1.00 U	< 1.00 U	--	--	164	1,040
	11/12/2015	N	0.0138 J	--	< 0.0100 U	--	--	< 0.0100 U	< 0.200 U	--	< 0.0200 U	--	--	--	--	--	--	--	163	449
	5/17/2016	N	0.0216	--	< 0.00136 U	--	< 0.00548 U	--	--	--	--	--	--	--	--	--	--	--	143	1,030
	9/20/2016	N	0.0205	--	< 0.00136 U	--	< 0.01 U	--	< 0.00616 U	--	< 0.000585 U	--	--	--	--	--	--	--	174	995
	5/8/2017	N	0.0169	--	< 0.004 U	--	< 0.01 U	--	< 0.02 U	--	< 0.002 U	--	--	--	--	--	--	--	165	944
	9/20/2017	N	0.0194	--	0.000881 J	--	< 0.01 U	--	< 0.1 U	--	0.000652 J	--	--	--	--	--	--	--	163	1,070
	9/20/2017	FD	0.0196	--	0.00117 J	--	< 0.01 U	--	< 0.1 U	--	0.000925 J	--	--	--	--	--	--	--	163	1,050
	3/5/2003	N	--	< 0.05 U	< 0.05 U	--	< 0.005 U	--	--	--	--	--	< 2 U	< 2 U	< 2 U	< 2 U	< 0.25 U	< 0.05 U	320	1,160
	3/26/2003	N	--	--	--	--	< 0.005 U	--	--	--	--	--	--	--	--	--	--	--	40,000	60,900
	5/29/2003	N	--	--	--	--	< 0.005 U	--	--	--	--	--	--	--	--	--	--	--	37,000	--
	1/8/2004	N	--	--	< 0.01 U	--	< 0.005 U	--	--	--	--	--	--	--	--	--	--	--	300	--
	6/15/2004	N	--	--	< 0.05 U	--	< 0.005 U	--	--	--	--	--	--	--	--	--	--	--	220	--
	12/9/2004	N	--	--	< 0.01 U	--	< 0.005 U	--	--	--	--	--	--	--	--	--	--	--	2,180	--
	5/24/2005	N	--	--	< 0.01 U	--	--	--	--	--	--	--	--	--	--	--	--	--	1,800	--

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Appendix E
Historical Analytical Data (through 2017)
2021 Annual Groundwater Monitoring Report
Former Eunice North Gas Plant

ARCADIS Design & Consultancy for natural and built assets

		Chemical Name	Dissolved Arsenic	Total Arsenic	Dissolved Chromium	Total Chromium	Dissolved Chromium, Hexavalent	Total Chromium, Hexavalent	Dissolved Iron	Total Iron	Dissolved Manganese	Total Manganese	Benzene	Toluene	Ethylbenzene	Total Xylenes	DRO	GRO	Chloride	TDS
		Units	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	ug/l	ug/l	ug/l	ug/l	mg/l	mg/l	mg/l	mg/l
		NMWQCC Standard	0.01	0.01	0.05	0.05	0.05	0.05	1	1	0.2	0.2	5	1,000	700	620			250	1000
Location ID	Sample Date	Sample Type																		
MW068	1/19/2006	N	--	< 0.02 U	--	< 0.015 U	--	< 0.02 U	--	< 0.2 U	0.819	0.819	< 1 U	< 1 U	< 1 U	< 3 U	< 0.6 U	< 0.6 U	1,910	4,210
	6/21/2006	N	--	< 0.02 U	--	< 0.015 U	--	< 0.02 U	--	< 0.2 U	0.244	0.244	< 1 U	< 1 U	< 1 U	< 3 U	< 0.095 U	< 0.05 U	932	2,280
	3/22/2007	N	--	< 0.02 U	--	< 0.015 U	--	< 0.02 U	--	< 0.2 U	0.0894	0.0894	< 1 U	< 1 U	< 1 U	< 3 U	--	< 0.05 U	128	--
	9/7/2007	N	--	< 0.02 U	--	< 0.015 U	--	< 0.02 U	--	< 0.2 U	0.367	0.367	< 1 U	< 1 U	< 1 U	< 3 U	< 0.095 U	< 0.05 U	1,250	--
	3/25/2008	N	--	< 0.02 U	--	< 0.015 U	--	< 0.02 U	--	< 0.2 U	1.02	1.02	1.5	< 1 U	< 1 U	< 3 U	< 0.096 U	< 0.05 U	2,340	4,550
	8/11/2008	N	--	< 0.02 U	--	< 0.015 U	--	< 0.02 U	--	< 0.2 U	1.95	1.95	3.2	< 1 U	< 1 U	< 3 U	0.68	< 0.05 U	5,690	17,800
	3/18/2009	N	--	< 0.02 U	--	< 0.015 U	--	< 0.02 U	--	< 0.2 U	0.396	0.396	5.3	2.2	1.1	< 3 U	0.096	< 0.05 U	1,170	2,610
	8/24/2009	N	--	< 0.02 U	--	< 0.015 U	--	< 0.02 U	--	< 0.2 U	0.588	0.588	< 1 U	< 1 U	< 1 U	< 3 U	0.11	< 0.05 U	2,110	3,500
	3/9/2010	N	--	< 0.05 U	--	< 0.05 U	--	< 0.01 U	--	0.054	0.531	0.531	< 1 U	< 1 U	< 1 U	< 1 U	0.113	< 0.05 U	1,420	3,110
	8/11/2010	N	--	0.022	--	< 0.05 U	--	< 0.01 U	--	< 0.1 U	0.607	0.607	< 1 U	< 2 U	< 1 U	< 1 U	0.068	< 0.05 U	1,450	3,860
	5/25/2012	N	< 0.0100 U	--	< 0.0100 U	--	--	< 0.0100 U	< 0.200 U	--	< 0.0200 U	--	< 1.00 U	< 2.00 U	< 1.00 U	< 1.00 U	--	--	114	880
	10/31/2012	N	--	< 0.0100 U	--	< 0.0100 U	--	< 0.0100 U	--	< 0.200 U	< 0.0200 U	< 0.0200 U	< 1.00 U	< 2.00 U	< 1.00 U	< 1.00 U	--	--	121	784
	5/15/2013	N	0.0113 J	--	< 0.0100 U	--	--	< 0.0100 U	< 0.200 U	--	< 0.0200 U	--	< 1.00 U	< 2.00 U	< 1.00 U	< 1.00 U	--	--	120	820
	11/6/2013	N	0.0166 J	--	< 0.0100 U	--	--	< 0.0100 U	< 0.200 U	--	< 0.0200 U	--	< 1.00 U	< 2.00 U	< 1.00 U	< 1.00 U	--	--	111	899
	5/12/2014	N	0.0171 J	--	< 0.0100 U	--	--	< 0.0100 U	< 0.200 U	--	< 0.0200 U	--	< 1.00 U	< 2.00 U	< 1.00 U	< 1.00 U	--	--	124	798
	11/5/2014	N	0.00864 J	--	< 0.0100 U	--	--	< 0.0100 U	< 0.200 U	--	0.243	--	< 1.00 U	< 2.00 U	< 1.00 U	< 1.00 U	--	--	705	1,840
	5/20/2015	N	0.0164 J	--	0.000839 J	--	--	< 0.0100 U	< 0.200 UJ	--	< 0.0200 U	--	< 1.00 U	< 2.00 U	< 1.00 U	< 1.00 U	--	--	129	795
	11/5/2015	N	< 0.0200 UJ	--	< 0.0100 U	--	--	< 0.0100 U	< 0.200 U	--	< 0.0200 U	--	--	--	--	--	--	--	118	885
	5/13/2016	N	0.0921	--	< 0.00136 U	--	< 0.00548 U	--	--	--	--	--	--	--	--	--	--	--	17,000	31,500
	9/21/2016	N	< 0.00336 U	--	0.0641	--	< 0.01 U	--	0.263	--	2.73	--	--	--	--	--	--	--	11,300	26,700
	5/11/2017	N	0.0193	--	0.00262 J	--	< 0.01 U	--	0.343	--	3.29	--	--	--	--	--	--	--	8,760	10,400
	9/22/2017	N	0.0163	--	0.00055 J	--	< 0.01 U	--	0.298	--	2.6	--	--	--	--	--	--	--	10,100	18,800
	4/3/2018	Reg	--	0.0148	--	0.000799 J	--	< 0.0100 U	0.32	--	--	2.33 J	--	--	--	--	--	--	11,700	14,300
	9/13/2018	Reg	0.0180 J	--	< 0.0200 U	--	< 0.0100 U	--	--	0.345 J	2.37	--	--	--	--	--	--	--	11,700	18,000
MW069	3/5/2003	N	--	< 0.05 U	< 0.05 U	--	< 0.005 U	--	--	--	--	--	< 2 U	< 2 U	< 2 U	< 2 U	< 0.25 U	< 0.05 U	1,040	2,600
	3/25/2003	N	--	--	--	--	< 0.005 U	--	--	--	--	--	--	--	--	--	--	--	32,000	54,000
	5/29/2003	N	--	--	--	--	< 0.005 U	--	--	--	--	--	--	--	--	--	--	--	28,000	--
	1/8/2004	N	--	--	< 0.01 U	--	< 0.005 U	--	--	--	--	--	--	--	--	--	--	--	1,030	--
	6/15/2004	N	--	--	< 0.05 U	--	< 0.005 U	--	--	--	--	--	--	--	--	--	--	--	890	--
	6/15/2004	FD	--	--	< 0.05 U	--	< 0.005 U	--	--	--	--	--	--	--	--	--	--	--	840	--
	12/9/2004	N	--	--	< 0.01 U	--	< 0.005 U	--	--	--	--	--	--	--	--	--	--	--	4,700	--
	12/9/2004	FD	--	--	< 0.01 U	--	< 0.005 U	--	--	--	--	--	--	--	--	--	--	--	4,100	--
	5/26/2005	N	--	--	< 0.01 U	--	--	--	--	--	--	--	--	--	--	--	--	--	3,300	--
	1/19/2006	N	--	< 0.02 U	--	0.0481	--	< 0.02 U	--	0.847	0.118	0.118	< 1 U	< 1 U	< 1 U	< 3 U	< 0.6 U	< 0.6 U	4,330	9,030
	6/21/2006	N	--	< 0.02 U	--	< 0.015 U	--	< 0.02 U	--	< 0.2 U	0.114	0.114	< 1 U	< 1 U	< 1 U	< 3 U	0.26	< 0.05 U	2,400	5,470
	3/22/2007	N	--	< 0.02 U	--	< 0.015 U	--	< 0.02 U	--	0.62	1.55	1.55	< 1 U	< 1 U	< 1 U	< 3 U	0.49	< 0.05 U	1,490	--
	9/7/2007	N	--	< 0.02 U	--	< 0.015 U	--	< 0.02 U	--	< 0.2 U	0.208	0.208	< 1 U	< 1 U	< 1 U	< 3 U	0.5	< 0.05 U	2,600	--
	8/24/2009	N	--	< 0.02 U	--	< 0.015 U	--	< 0.02 U	--	< 0.2 U	0.288	0.288	6.3	10	22	6.4	0.61	0.12	3,470	6,690
	5/24/2012	N	< 0.0100 U	--	< 0.0100 U	--	--	< 0.0100 U	< 0.200 U	--	0.564	--	< 1.00 U	< 2.00 U	< 1.00 U	< 1.00 U	--	--	986	3,960
	5/14/2013	N	< 0.0200 U	--	< 0.0100 U	--	--	< 0.0100 U	< 0.200 U	--	0.539	--	< 1.00 U	< 2.00 U	< 1.00 U	< 1.00 U	--	--	877	2,190
	5/13/2014	N	0.0132 J	--	< 0.0100 U	--	--	< 0.0100 U	< 0.200 U	--	0.576	--	< 1.00 U	< 2.00 U	< 1.00 U	< 1.00 U	--	--	817	1,460
	5/21/2015	N	< 0.0200 U	--	0.00110 J	--	--	< 0.0100 U	< 0.200 U	--	1.25	--	< 1.00 U	< 2.00 U	< 1.00 U	< 1.00 U	--	--	956	3,090
	5/13/2016	N	0.0646	--	< 0.00136 U	--	< 0.00548 U	--	--	--	--	--	--	--	--	--	--	--	20,900	29,000
	9/21/2016	N	< 0.00336 U	--	0.0425	--	< 0.01 U	--	0.0305 J	--	0.107	--	--	--	--	--	--	--	8,970	18,700
	5/11/2017	N	0.0157	--	0.00188 J	--	< 0.01 U	--	1.35	--	0.72	--	--	--	--	--	--	--	981	2,450
	9/21/2017	N	0.0151	--	< 0.00400 U	--	--	< 0.0100 U	0.282	--	0.778	--	--	--	--	--	--	--	715	2,120
	3/29/2018	Reg	--	0.014	--	< 0.00400 U	--	< 0.0100 U	0.456	--	--	0.78	--	--	--	--	--	--	846	1,730
	9/13/2018	Reg	0.0149	--	< 0.00400 U	--	< 0.0100 U	--	--	0.563	0.774	--	--	--	--	--	--	--	804	1,990
	3/6/2003	N	--	< 0.05 U	< 0.05 U	--	< 0.005 U	--	--	--	--	--	< 2 U	< 2 U	< 2 U	< 2 U	< 0.25 U	< 0.05 U	58	670
	3/25/2003	N	--	--	--	--	< 0.005 U	--	--	--	--	--	--	--	--	--	--	--	110	--
	5/29/2003	N	--	--	--	--	< 0.005 U	--	--	--	--	--	--	--	--	--	--	--	130	--
	1/13/2004	N	--	--	< 0.01 U	--	< 0.005 U	--	--	--	--	--	--	--	--	--	--	--	150	--
	6/15/2004	N	--	--	< 0.05 U	--	< 0.005 U	--	--	--	--	--	--	--	--	--	--	--	130	--
	12/9/2004	N	--	--	< 0.01 U	--	< 0.005 U	--	--	--	--	--	--	--	--	--	--	--	120	--
	5/24/2005	N	--	--	< 0.01 U	--	--	--	--	--	--	--	--	--	--	--	--	--	130	--
	1/27/2006	N	--	< 0.02 U	--	< 0.015 U	--	< 0.02 U	--	< 0.2 U	0.0059	0.0059	< 1 U	< 1 U	< 1 U	< 3 U	< 0.6 U	< 0.6 U	155	682
	6/22/2006	N	--	< 0.02 U	--	< 0.015 U	--	< 0.02 U	--	< 0.2 U	< 0.005 U	< 0.005 U	< 1 U	< 1 U	< 1 U	< 3 U	< 0.095 U	< 0.05 U	163	703
	3/29/2007	N	--	< 0.02 U	--	< 0.015 U	--	< 0.02 U	--	< 0.2 U	< 0.005 U	< 0.005 U	< 1 U	< 1 U	< 1 U	< 3 U	< 0.096 U	< 0.05 U	191	--
	9/11/2007	N	--	< 0.02 U	--	--	--	--	--	< 0.2 U	< 0.005 U	< 0.005 U	--	--	--	--	--	--	--	--
	9/12/2007	N	--	--	--	< 0.015 U	--	< 0.02 U	--	--	--	--	< 1 U	< 1 U	< 1 U	< 3 U	< 0.096 U	< 0.05 U	46	--
	3/25/2008	N	--	< 0.02 U	--	< 0.015 U	--	< 0.02 U	--	< 0.2 U	< 0.005 U	< 0.005 U	< 1 U	< 1 U	< 1 U	< 3 U	< 0.096 U	< 0.05 U	275	896
	8/5/2008	N	--	< 0.02 U	--	< 0.015 U	--	< 0.02 U	--	< 0.2 U	< 0.005 U	< 0.005 U	< 1 U	< 1 U	< 1 U	< 3 U	< 0.096 U	< 0.05 U	237	912

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Appendix E
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		Chemical Name	Dissolved Arsenic	Total Arsenic	Dissolved Chromium	Total Chromium	Dissolved Chromium, Hexavalent	Total Chromium, Hexavalent	Dissolved Iron	Total Iron	Dissolved Manganese	Total Manganese	Benzene	Toluene	Ethylbenzene	Total Xylenes	DRO	GRO	Chloride	TDS
		Units	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	ug/l	ug/l	ug/l	ug/l	mg/l	mg/l	mg/l	mg/l
		NMWQCC Standard	0.01	0.01	0.05	0.05	0.05	0.05	1	1	0.2	0.2	5	1,000	700	620			250	1000
Location ID	Sample Date	Sample Type																		
MW070	3/16/2009	N	--	< 0.02 U	--	< 0.015 U	--	< 0.02 U	--	< 0.2 U	**0.0058**	**0.0058**	**22**	**6.8**	**2.2**	< 3 U	< 0.095 U	**0.062**	**232**	**902**
	8/20/2009	N	--	< 0.02 U	--	< 0.015 U	--	< 0.02 U	--	< 0.2 U	< 0.005 U	< 0.005 U	< 1 U	< 1 U	< 1 U	< 3 U	**0.28**	< 0.05 U	**197**	**827**
	3/17/2010	N	--	< 0.05 U	--	< 0.050 U	--	< 0.01 U	--	< 0.03 U	< 0.050 U	< 0.050 U	< 1 U	< 1 U	< 1 U	< 1 U	**0.058**	< 0.05 U	**168**	**856**
	8/13/2010	N	--	**0.011**	--	< 0.050 U	--	**0.012**	--	< 0.10 U	< 0.050 U	< 0.050 U	< 1 U	< 2 U	< 1 U	< 1 U	< 0.05 U	< 0.05 U	**191**	**908**
	5/23/2012	N	< 0.0100 UJ	--	< 0.0100 U	--	--	< 0.0100 U	< 0.200 U	--	< 0.0200 U	--	< 1.00 U	< 2.00 U	< 1.00 U	< 1.00 U	--	--	**212**	**939**
	11/6/2012	N	--	< 0.0100 U	--	< 0.0100 U	--	< 0.0100 U	--	< 0.200 U	< 0.0200 U	< 0.0200 U	< 1.00 U	< 2.00 U	< 1.00 U	< 1.00 U	--	--	**201**	**790**
	5/14/2013	N	**0.0208**	--	< 0.0100 U	--	--	< 0.0100 U	< 0.200 U	--	< 0.0200 U	--	< 1.00 U	< 2.00 U	< 1.00 U	< 1.00 U	--	--	**192**	**821**
	10/30/2013	N	**0.0183 J**	--	< 0.0100 U	--	--	< 0.0100 U	< 0.200 U	--	**0.0445**	--	< 1.00 U	< 2.00 U	< 1.00 U	< 1.00 U	--	--	**167**	**829**
	10/30/2013	FD	**0.0130 J**	--	< 0.0100 U	--	--	< 0.0100 U	< 0.200 U	--	**0.0778**	--	< 1.00 U	< 2.00 U	< 1.00 U	< 1.00 U	--	--	**167**	**805**
	5/8/2014	N	**0.0183 J**	--	< 0.0100 U	--	--	< 0.0100 U	< 0.200 U	--	< 0.0200 U	--	< 1.00 U	< 2.00 U	< 1.00 U	< 1.00 U	--	--	**172**	**737**
	11/10/2014	N	**0.0143 J**	--	< 0.0100 U	--	--	< 0.0100 U	< 0.200 U	--	**0.00449 J**	--	< 1.00 U	< 2.00 U	< 1.00 U	< 1.00 U	--	--	**162**	**825**
	6/1/2015	N	**0.0123 J**	--	< 0.0100 U	--	--	< 0.0100 U	< 0.200 U	--	**0.00793 J**	--	< 1.00 U	< 2.00 U	< 1.00 U	< 1.00 U	--	--	**179**	**836**
	11/9/2015	N	< 0.0200 UJ	--	**0.00391 J**	--	--	< 0.0100 U	< 0.200 U	--	< 0.0200 U	--	--	--	--	--	--	--	**208**	**846**
	5/16/2016	N	**0.0212**	--	< 0.00136 U	--	< 0.00548 U	--	--	--	--	--	--	--	--	--	--	--	**333**	**983**
	9/21/2016	N	**0.0041 J**	--	< 0.00136 U	--	< 0.01 U	--	< 0.00616 U	--	< 0.000585 U	--	--	--	--	--	--	--	**287**	**979**
	5/11/2017	N	**0.0131**	--	**0.00191 J**	--	< 0.01 U	--	**0.00494 J**	--	**0.000213 J**	--	--	--	--	--	--	--	**298**	**672**
	9/21/2017	N	**0.0155**	--	**0.000718 J**	--	--	< 0.0100 U	< 0.100 U	--	< 0.00200 U	--	--	--	--	--	--	--	**287**	**1,040**
	3/29/2018	Reg	--	**0.0141**	--	< 0.00400 U	--	< 0.0100 U	< 0.1	--	--	**0.000337 J**	--	--	--	--	--	--	**350**	**956**
	3/29/2018	FD	--	**0.0133**	--	< 0.00400 U	--	< 0.0100 U	< 0.1	--	--	**0.00149 J**	--	--	--	--	--	--	**350**	**996**
	9/12/2018	REG	**0.0145**	--	**0.000838 J**	--	< 0.0100 U	--	--	< 0.100 U	**0.000481 J**	--	--	--	--	--	--	--	**387**	**1,120**

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		Chemical Name	Dissolved Arsenic	Total Arsenic	Dissolved Chromium	Total Chromium	Dissolved Chromium, Hexavalent	Total Chromium, Hexavalent	Dissolved Iron	Total Iron	Dissolved Manganese	Total Manganese	Benzene	Toluene	Ethylbenzene	Total Xylenes	DRO	GRO	Chloride	TDS
		Units	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	ug/l	ug/l	ug/l	ug/l	mg/l	mg/l	mg/l	mg/l
		NMWQCC Standard	0.01	0.01	0.05	0.05	0.05	0.05	1	1	0.2	0.2	5	1,000	700	620			250	1000
Location ID	Sample Date	Sample Type																		
MW070A	3/6/2003	N	--	< 0.05 U	< 0.05 U	--	< 0.005 U	--	--	--	--	--	< 2 U	5	< 2 U	< 2 U	< 0.25 U	< 0.05 U	53	490
	3/25/2003	N	--	--	--	--	< 0.005 U	--	--	--	--	--	--	--	--	--	--	--	47	--
	5/29/2003	N	--	--	--	--	< 0.005 U	--	--	--	--	--	--	--	--	--	--	--	47	--
	1/13/2004	N	--	--	< 0.01 U	--	< 0.005 U	--	--	--	--	--	--	--	--	--	--	--	60	--
	6/16/2004	N	--	--	< 0.05 U	--	< 0.005 U	--	--	--	--	--	--	--	--	--	--	--	50	--
	12/15/2004	N	--	--	< 0.01 U	--	0.005	--	--	--	--	--	--	--	--	--	--	--	60	--
	6/1/2005	N	--	--	< 0.01 U	--	--	--	--	--	--	--	--	--	--	--	--	--	50	--
	1/27/2006	N	--	< 0.02 U	--	< 0.015 U	--	< 0.02 U	--	< 0.2 U	< 0.005 U	< 0.005 U	< 1 U	< 1 U	< 1 U	< 3 U	< 0.6 U	< 0.6 U	61.8	540
	6/22/2006	N	--	< 0.02 U	--	< 0.015 U	--	< 0.02 U	--	< 0.2 U	< 0.005 U	< 0.005 U	< 1 U	< 1 U	< 1 U	< 3 U	< 0.095 U	< 0.05 U	45.7	506
	3/29/2007	N	--	< 0.02 U	--	< 0.015 U	--	< 0.02 U	--	< 0.2 U	< 0.005 U	< 0.005 U	< 1 U	< 1 U	< 1 U	< 3 U	< 0.096 U	< 0.05 U	46.4	--
	9/11/2007	N	--	< 0.02 U	--	< 0.015 U	--	< 0.02 U	--	< 0.2 U	< 0.005 U	< 0.005 U	< 1 U	< 1 U	< 1 U	< 3 U	< 0.095 U	< 0.05 U	283	--
	3/25/2008	N	--	< 0.02 U	--	< 0.015 U	--	< 0.02 U	--	< 0.2 U	< 0.005 U	< 0.005 U	< 1 U	< 1 U	< 1 U	< 3 U	< 0.095 U	< 0.05 U	54.2	515
	8/5/2008	N	--	0.0236	--	< 0.015 U	--	< 0.02 U	--	< 0.2 U	< 0.005 U	< 0.005 U	< 1 U	< 1 U	< 1 U	< 3 U	0.11	< 0.05 U	45	542
	3/16/2009	N	--	< 0.02 U	--	< 0.015 U	--	< 0.02 U	--	< 0.2 U	0.0081	0.0081	38	10	3.2	< 3 U	< 0.096 U	0.11	45.6	510
	8/20/2009	N	--	< 0.02 U	--	< 0.015 U	--	< 0.02 U	--	< 0.2 U	< 0.005 U	< 0.005 U	< 1 U	< 1 U	< 1 U	< 3 U	< 0.096 U	< 0.05 U	46.3	545
	3/17/2010	N	--	< 0.05 U	--	< 0.050 U	--	< 0.01 U	--	0.219	< 0.050 U	< 0.050 U	< 1 U	< 1 U	< 1 U	< 1 U	0.077	< 0.05 U	< 25 U	636
	5/23/2012	N	< 0.0100 UJ	--	< 0.0100 U	--	--	< 0.0100 U	< 0.200 U	--	< 0.0200 U	--	< 1.00 U	< 2.00 U	< 1.00 U	< 1.00 U	--	--	45.3	480
	5/14/2013	N	0.0203	--	0.00406 J	--	--	< 0.0100 U	< 0.200 U	--	< 0.0200 U	--	< 1.00 U	< 2.00 U	< 1.00 U	< 1.00 U	--	--	46.8	541
	5/8/2014	N	0.0153 J	--	0.00293 J	--	--	< 0.0100 U	< 0.200 U	--	< 0.0200 U	--	< 1.00 U	< 2.00 U	< 1.00 U	< 1.00 U	--	--	52.9	462
	6/1/2015	N	0.0191 J	--	0.00274 J	--	--	< 0.0100 U	< 0.200 U	--	< 0.0200 U	--	< 1.00 U	< 2.00 U	< 1.00 U	< 1.00 U	--	--	47.1	471
	5/16/2016	N	0.0225	--	0.00245 J	--	< 0.00548 U	--	--	--	--	--	--	--	--	--	--	--	53.1	310
	5/11/2017	N	0.0182	--	0.00348 J	--	< 0.01 U	--	0.00351 J	--	0.000259 J	--	--	--	--	--	--	--	49.3	414
MW071SA	5/1/2003	N	--	< 0.05 U	< 0.05 U	--	< 0.005 U	--	--	--	--	--	< 2 U	< 2 U	< 2 U	< 2 U	< 0.25 U	0.07	860	1,720
	5/20/2003	N	--	--	--	--	< 0.005 U	--	--	--	--	--	--	--	--	--	--	--	750	--
	12/15/2003	N	--	--	0.15	--	0.073	--	--	--	--	--	--	--	--	--	--	--	360	--
	6/9/2004	N	--	< 0.01 U	< 0.01 U	< 0.01 U	< 0.005 U	--	2	< 0.25 U	0.05	< 0.01 U	--	--	--	--	--	--	140	--
	6/23/2004	N	--	--	0.01	--	0.008	--	--	--	--	--	--	--	--	--	--	--	140	--
	7/8/2004	N	--	--	< 0.05 U	--	0.008	--	--	--	--	--	--	--	--	--	--	--	140	--
	7/27/2004	N	--	--	< 0.05 U	--	< 0.005 U	--	--	--	--	--	--	--	--	--	--	--	130	--
	8/9/2004	N	--	--	< 0.05 U	--	0.006	--	--	--	--	--	--	--	--	--	--	--	140	--
	8/24/2004	N	--	--	--	--	0.17	--	--	--	--	--	--	--	--	--	--	--	--	--
	10/5/2004	N	--	--	--	--	0.11	--	--	--	--	--	--	--	--	--	--	--	--	--
	10/6/2004	N	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	10/20/2004	N	--	--	--	--	0.17	--	--	--	--	--	--	--	--	--	--	--	--	--
	11/4/2004	N	--	--	--	--	0.053	--	--	--	--	--	--	--	--	--	--	--	--	--
	11/17/2004	N	--	--	--	--	0.06	--	--	--	--	--	--	--	--	--	--	--	--	--
	12/2/2004	N	--	--	--	--	0.009	--	--	--	--	--	--	--	--	--	--	--	--	--
	1/6/2005	N	--	--	0.02	--	0.011	--	--	--	--	--	< 2 U	< 2 U	< 2 U	< 6 U	< 0.25 U	< 0.05 U	920	--
	2/7/2005	N	--	--	--	--	< 0.005 U	--	--	--	--	--	--	--	--	--	--	--	--	--
	3/7/2005	N	--	--	--	--	< 0.005 U	--	--	--	--	--	--	--	--	--	--	--	--	--
	4/14/2005	N	--	--	--	--	< 0.005 U	--	--	--	--	--	--	--	--	--	--	--	--	--
	5/10/2005	N	--	--	--	--	< 0.005 U	--	--	--	--	--	--	--	--	--	--	--	--	--
	6/2/2005	N	--	< 0.01 U	< 0.01 U	< 0.01 U	< 0.005 U	--	< 0.4 U	< 0.4 U	1.38	1.3	--	--	--	--	--	--	1,050	2,160
	7/7/2005	N	--	--	--	--	< 0.005 U	--	--	--	--	--	--	--	--	--	--	--	--	--
	1/25/2006	N	--	0.0242	--	< 0.015 U	--	< 0.02 U	--	< 0.2 U	4.06	4.06	31	1.1	3	30	1.1	0.6	1,050	2,000
	7/12/2006	N	--	< 0.02 U	--	< 0.015 U	--	< 0.02 U	--	< 0.2 U	4.93	4.93	< 1 U	< 1 U	< 1 U	< 3 U	0.48	0.095	1,080	1,900
	4/3/2007	N	--	< 0.02 U	--	< 0.015 U	--	< 0.02 U	--	0.238	4.73	4.73	< 1 U	< 1 U	< 1 U	< 3 U	0.48	< 0.05 U	998	--
	9/19/2007	N	--	0.022	--	< 0.015 U	--	< 0.02 U	--	0.274	4.86	4.86	< 1 U	< 1 U	< 1 U	< 3 U	0.7	< 0.05 U	1,040	--
	3/27/2008	N	--	< 0.02 U	--	< 0.015 U	--	< 0.02 U	--	< 0.2 U	4.81	4.81	< 1 U	< 1 U	< 1 U	< 3 U	0.2	< 0.05 U	1,180	--
	3/28/2008	N	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	2,600
	8/12/2008	N	--	< 0.02 U	--	0.0193	--	< 0.02 U	--	< 0.2 U	2.44	2.44	< 1 U	< 1 U	< 1 U	< 3 U	< 0.1 U	< 0.05 U	1,170	2,900
	3/24/2009	N	--	< 0.02 U	--	0.106	--	0.097	--	< 0.2 U	0.638	0.638	< 1 U	< 1 U	< 1 U	< 3 U	< 0.097 U	< 0.05 U	929	2,440
	8/10/2009	N	--	< 0.02 U	--	0.094	--	0.1	--	< 0.2 U	0.668	0.668	< 1 U	< 1 U	< 1 U	< 3 U	0.15	< 0.05 U	1,000	2,810
	3/4/2010	N	--	< 0.05 U	--	0.214	--	0.238	--	0.135	< 0.05 U	< 0.05 U	< 1 U	< 1 U	< 1 U	< 1 U	0.053	< 0.05 U	763	2,470
	8/5/2010	N	--	0.01	--	0.193	--	0.206	--	< 0.1 U	0.285	0.285	< 1 U	< 2 U	< 1 U	< 1 U	0.074	< 0.05 U	623	2,380
	5/8/2012	N	< 0.0100 U	--	0.0174	--	--	< 0.0100 U	< 0.200 U	--	0.0888	--	< 1.00 U	< 2.00 U	< 1.00 U	< 1.00 U	--	--	109	749
	11/1/2012	N	--	< 0.0100 U	--	< 0.0100 U	--	< 0.0100 U	--	< 0.200 U	0.168	0.168	< 1.00 U	< 2.00 U	< 1.00 U	< 1.00 U	--	--	111	732
	5/7/2013	N	0.0194 J	--	0.00425 J	--	--	< 0.0100 U	< 0.200 U	--	0.203	--	< 1.00 U	< 2.00 U	< 1.00 U	< 1.00 U	--	--	119	718
	10/30/2013	N	0.0215	--	0.00507 J	--	--	< 0.0100 U	< 0.200 U	--	0.22	--	< 1.00 U	< 2.00 U	< 1.00 U	< 1.00 U	--	--	103	738
	5/16/2014	N	0.0201	--	0.00635 J	--	--	< 0.0100 U	< 0.200 U	--	0.208	--	< 1.00 U	< 2.00 U	< 1.00 U	< 1.00 U	--	--	121	758
	11/12/2014	N	0.0125 J	--	0.00368 J	--	--	< 0.0100 U	< 0.200 U	--	< 0.0200 U	--	< 1.00 U	< 2.00 U	< 1.00 U	< 1.00 U	--	--	103	725
	5/14/2015	N	0.0138 J	--	< 0.0100 U	--	--	< 0.0100 U	< 0.200 U	--	0.206	--	< 1.00 U	< 2.00 U	< 1.00 U	< 1.00 U	--	--	153	803
	11/11/2015	N	0.0133 J	--	0.00181 J	--	--	< 0.0100 U	< 0.200 U	--	0.00600 J	--	--	--	--	--	--	--	108	713 J

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ARCADIS Design & Consultancy for natural and built assets

		Chemical Name	Dissolved Arsenic	Total Arsenic	Dissolved Chromium	Total Chromium	Dissolved Chromium, Hexavalent	Total Chromium, Hexavalent	Dissolved Iron	Total Iron	Dissolved Manganese	Total Manganese	Benzene	Toluene	Ethylbenzene	Total Xylenes	DRO	GRO	Chloride	TDS
		Units	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	ug/l	ug/l	ug/l	ug/l	mg/l	mg/l	mg/l	mg/l
		NMWQCC Standard	0.01	0.01	0.05	0.05	0.05	0.05	1	1	0.2	0.2	5	1,000	700	620			250	1000
Location ID	Sample Date	Sample Type																		
MW071SA	5/18/2016	N	**0.0111**	--	**0.0313**	--	**0.0143**	--	--	--	--	--	--	--	--	--	--	--	565	1,920
	9/19/2016	N	< 0.00336 U	--	**0.0203**	--	**0.0104**	--	**0.00925 J**	--	**0.153**	--	--	--	--	--	--	--	639	2,110
	5/9/2017	N	**0.00711**	--	**0.00348 J**	--	< 0.01 U	--	**0.252 J**	--	**0.389**	--	--	--	--	--	--	--	590	1,750
	9/20/2017	N	**0.00923**	--	**0.00315 J**	--	< 0.01 U	--	**0.155**	--	**0.299**	--	--	--	--	--	--	--	495	1,380
	3/22/2018	Reg	--	**0.00852**	--	**0.00884**	--	< 0.0100 U	< 0.1	--	--	**0.142**	--	--	--	--	--	--	560	1,410
	9/12/2018	Reg	**0.00951**	--	**0.00142 J**	--	< 0.0100 U	--	--	**0.100 J**	**0.293**	--	--	--	--	--	--	--	613	1,580
MW072SA	5/1/2003	N	--	< 0.05 U	< 0.05 U	--	< 0.005 U	--	--	--	--	--	< 2 U	< 2 U	< 2 U	< 2 U	< 0.23 U	< 0.05 U	590	1,690
	5/20/2003	N	--	--	--	--	< 0.005 U	--	--	--	--	--	--	--	--	--	--	--	550	--
	12/15/2003	N	--	--	< 0.01 U	--	< 0.005 U	--	--	--	--	--	--	--	--	--	--	--	320	--
	6/17/2004	N	--	--	< 0.05 U	--	< 0.005 U	--	--	--	--	--	--	--	--	--	--	--	350	--
	12/20/2004	N	--	--	< 0.01 U	--	< 0.005 U	--	--	--	--	--	--	--	--	--	--	--	400	--
	2/23/2005	N	--	--	--	--	< 0.005 U	--	--	--	--	--	--	--	--	--	--	--	--	--
	3/30/2005	N	--	--	--	--	< 0.005 U	--	--	--	--	--	--	--	--	--	--	--	--	--
	4/25/2005	N	--	--	--	--	< 0.005 U	--	--	--	--	--	--	--	--	--	--	--	--	--
	5/25/2005	N	--	**0.01**	< 0.01 U	< 0.01 U	< 0.005 U	--	< 0.4 U	< 0.4 U	< 0.01 U	< 0.01 U	--	--	--	--	--	--	360	1,650
	6/30/2005	N	--	--	--	--	< 0.005 U	--	--	--	--	--	--	--	--	--	--	--	--	--
	7/18/2005	N	--	--	--	--	< 0.005 U	--	--	--	--	--	--	--	--	--	--	--	--	--
	1/23/2006	N	--	**0.0216**	--	< 0.015 U	--	< 0.02 U	--	< 0.2 U	< 0.005 U	< 0.005 U	< 1 U	< 1 U	< 1 U	< 3 U	< 0.6 U	< 0.6 U	340	1,490
	6/28/2006	N	--	< 0.02 U	--	< 0.015 U	--	< 0.02 U	--	< 0.2 U	< 0.005 U	< 0.005 U	< 1 U	**2.5**	**3**	< 3 U	< 0.096 U	< 0.05 U	389	1,430
	4/3/2007	N	--	**0.0205**	--	< 0.015 U	--	< 0.02 U	--	< 0.2 U	< 0.005 U	< 0.005 U	< 1 U	< 1 U	< 1 U	< 3 U	< 0.097 U	< 0.05 U	331	--
	9/14/2007	N	--	< 0.02 U	--	< 0.015 U	--	< 0.02 U	--	< 0.2 U	< 0.005 U	< 0.005 U	< 1 U	< 1 U	< 1 U	< 3 U	< 0.095 U	< 0.05 U	306	--
	3/27/2008	N	--	< 0.02 U	--	< 0.015 U	--	< 0.02 U	--	< 0.2 U	< 0.005 U	< 0.005 U	< 1 U	< 1 U	< 1 U	< 3 U	< 0.096 U	< 0.05 U	327	1,420
	8/12/2008	N	--	< 0.02 U	--	< 0.015 U	--	< 0.02 U	--	< 0.2 U	**0.0051**	**0.0051**	< 1 U	< 1 U	< 1 U	< 3 U	< 0.1 U	< 0.05 U	344	1,400
	3/17/2009	N	--	< 0.02 U	--	< 0.015 U	--	< 0.02 U	--	< 0.2 U	< 0.005 U	< 0.005 U	**14**	**4.4**	**1.6**	< 3 U	< 0.097 U	< 0.05 U	301	1,370
	8/21/2009	N	--	< 0.02 U	--	< 0.015 U	--	< 0.02 U	--	< 0.2 U	< 0.005 U	< 0.005 U	< 1 U	< 1 U	< 1 U	< 3 U	< 0.096 U	< 0.05 U	351	--
	3/16/2010	N	--	< 0.05 U	--	< 0.050 U	--	< 0.01 U	--	**0.12**	< 0.050 U	< 0.050 U	< 1 U	< 1 U	< 1 U	< 1 U	< 0.051 U	< 0.05 U	218	1,540
	8/16/2010	N	--	**0.03**	--	< 0.050 U	--	< 0.01 U	--	< 0.1 U	< 0.050 U	< 0.050 U	< 1 U	< 2 U	< 1 U	< 1 U	**0.062**	< 0.05 U	225	1,240
	5/15/2012	N	< 0.0100 UJ	--	< 0.0100 U	--	--	< 0.0100 U	< 0.200 U	--	< 0.0200 U	--	< 1.00 U	< 2.00 U	< 1.00 U	< 1.00 U	--	--	332 J	1,130
	11/2/2012	N	--	< 0.0100 U	--	< 0.0100 U	--	< 0.0100 U	--	< 0.200 U	< 0.0200 U	< 0.0200 U	< 1.00 U	< 2.00 U	< 1.00 U	< 1.00 U	--	--	375	1,290
	5/8/2013	N	< 0.0200 UJ	--	< 0.0100 U	--	--	< 0.0100 U	< 0.200 U	--	< 0.0200 U	--	< 1.00 U	< 2.00 U	< 1.00 U	< 1.00 U	--	--	302	1,380
	10/31/2013	N	**0.0167 J**	--	< 0.0100 U	--	--	< 0.0100 U	< 0.200 U	--	**0.0345**	--	< 1.00 U	< 2.00 U	< 1.00 U	< 1.00 U	--	--	320	1,450
	5/15/2014	N	< 0.0200 UJ	--	< 0.0100 U	--	--	< 0.0100 U	< 0.200 U	--	< 0.0200 UJ	--	< 1.00 U	< 2.00 U	< 1.00 U	< 1.00 U	--	--	337	1,250
	11/12/2014	N	**0.022**	--	< 0.0100 U	--	--	< 0.0100 U	< 0.200 U	--	< 0.0200 U	--	< 1.00 U	< 2.00 U	< 1.00 U	< 1.00 U	--	--	232	1,090
	5/14/2015	N	**0.0206**	--	< 0.0100 U	--	--	< 0.0100 U	< 0.200 U	--	< 0.0200 U	--	< 1.00 U	< 2.00 U	< 1.00 U	< 1.00 U	--	--	271	1,220
	11/11/2015	N	**0.0213**	--	< 0.0100 U	--	--	< 0.0100 U	< 0.200 U	--	< 0.0200 U	--	--	--	--	--	--	--	249	1250 J
	5/17/2016	N	**0.0203**	--	< 0.00136 U	--	< 0.00548 U	--	--	--	--	--	--	--	--	--	--	--	182	1,220
	9/19/2016	N	**0.00771 J**	--	< 0.00136 U	--	< 0.01 U	--	< 0.00616 U	--	< 0.000585 U	--	--	--	--	--	--	--	239	1,230
	5/9/2017	N	**0.0154**	--	**0.00268 J**	--	< 0.01 U	--	**0.0048 J**	--	< 0.002 U	--	--	--	--	--	--	--	262	1,150
	9/20/2017	N	**0.017**	--	**0.00101 J**	--	< 0.01 U	--	< 0.1 U	--	**0.00051 J**	--	--	--	--	--	--	--	273	1,190
	3/22/2018	Reg	--	**0.0148**	--	**0.000617 J**	--	< 0.0100 U	**0.0909**	--	--	**0.00382**	--	--	--	--	--	--	231	882
	9/12/2018	Reg	**0.0179**	--	< 0.00400 U	--	< 0.0100 U	--	--	< 0.100 U	**0.000362 J**	--	--	--	--	--	--	--	238	1,090
MW073SA	4/30/2003	N	--	< 0.05 U	< 0.05 U	--	< 0.005 U	--	--	--	--	--	< 2 U	**2**	< 2 U	< 2 U	< 0.23 U	< 0.05 U	370	1,220
	5/20/2003	N	--	--	--	--	< 0.005 U	--	--	--	--	--	--	--	--	--	--	--	490	--
	12/15/2003	N	--	--	< 0.01 U	--	< 0.005 U	--	--	--	--	--	--	--	--	--	--	--	320	--
	6/17/2004	N	--	--	< 0.05 U	--	< 0.005 U	--	--	--	--	--	--	--	--	--	--	--	390	--
	12/16/2004	N	--	--	< 0.01 U	--	< 0.005 U	--	--	--	--	--	--	--	--	--	--	--	320	--
	5/31/2005	N	--	--	< 0.01 U	--	--	--	--	--	--	--	--	--	--	--	--	--	310	--
	1/20/2006	N	--	< 0.02 U	--	< 0.015 U	--	< 0.02 U	--	**0.219**	**0.0066**	**0.0066**	< 1 U	< 1 U	< 1 U	< 3 U	< 0.6 U	< 0.6 U	355	1,270
	6/28/2006	N	--	< 0.02 U	--	< 0.015 U	--	< 0.02 U	--	< 0.2 U	< 0.005 U	< 0.005 U	< 1 U	**2.4**	**2.9**	< 3 U	< 0.097 U	< 0.05 U	376	1,290
	4/3/2007	N	--	< 0.02 U	--	< 0.015 U	--	< 0.02 U	--	< 0.2 U	< 0.005 U	< 0.005 U	< 1 U	< 1 U	< 1 U	< 3 U	< 0.097 U	< 0.05 U	302	--
	9/13/2007	N	--	--	--	< 0.015 U	--	< 0.02 U	--	--	--	--	< 1 U	< 1 U	< 1 U	< 3 U	< 0.097 U	< 0.05 U	283	--
	3/27/2008	N	--	< 0.02 U	--	< 0.015 U	--	< 0.02 U	--	< 0.2 U	**0.0077**	**0.0077**	< 1 U	< 1 U	< 1 U	< 3 U	< 0.095 U	< 0.05 U	287	1,230
	8/12/2008	N	--	< 0.02 U	--	< 0.015 U	--	< 0.02 U	--	< 0.2 U	**0.008**	**0.008**	< 1 U	< 1 U	< 1 U	< 3 U	< 0.1 U	< 0.05 U	273	1,260
	3/17/2009	N	--	< 0.02 U	--	< 0.015 U	--	< 0.02 U	--	< 0.2 U	< 0.005 U	< 0.005 U	**7.8**	**2.9**	**1.3**	< 3 U	< 0.098 U	< 0.05 U	283	1,190
	8/21/2009	N	--	< 0.02 U	--	< 0.015 U	--	< 0.02 U	--	< 0.2 U	< 0.005 U	< 0.005 U	< 1 U	< 1 U	< 1 U	< 3 U	< 0.097 U	< 0.05 U	732	--
	3/12/2010	N	--	< 0.05 U	--	< 0.050 U	--	< 0.01 U	--	**0.138**	< 0.050 U	< 0.050 U	< 1 U	< 1 U	< 1 U	< 1 U	< 0.051 U	< 0.05 U	219	1,290
	8/9/2010	N	--	**0.016**	--	< 0.050 U	--	< 0.01 U	--	< 0.1 U	< 0.050 U	< 0.050 U	< 1 U	< 2 U	< 1 U	< 1 U	**0.059**	< 0.05 U	257	1,190
	5/15/2012	N	< 0.0100 UJ	--	< 0.0100 U	--	--	< 0.0100 U	< 0.200 U	--	< 0.0200 U	--	< 1.00 U	< 2.00 U	< 1.00 U	< 1.00 U	--	--	245 J	1,150
	11/2/2012	N	--	< 0.0100 U	--	< 0.0100 U	--	< 0.0100 U	--	< 0.200 U	< 0.0200 U	< 0.0200 U	< 1.00 U	< 2.00 U	< 1.00 U	< 1.00 U	--	--	234	1,020
	5/8/2013	N	< 0.0200 UJ	--	< 0.0100 U	--	--	< 0.0100 U	< 0.200 U	--	< 0.0200 U	--	< 1.00 U	< 2.00 U	< 1.00 U	< 1.00 U	--	--	225	1,070
	5/16/2014	N	**0.0135 J**	--	< 0.0100 U	--	--	< 0.0100 U	< 0.200 U	--	< 0.0200 U	--	< 1.00 U	< 2.00 U	< 1.00 U	< 1.00 U	--	--	295	1,080
	11/12/2014	N	**0.0190 J**	--	< 0.0100 U	--	--	< 0.0100 U	< 0.200 U	--	**0.00434 J**	--	< 1.00 U	< 2.00 U	< 1.00 U	< 1.00 U	--	--	299	1,140

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Appendix E
Historical Analytical Data (through 2017)
2021 Annual Groundwater Monitoring Report
Former Eunice North Gas Plant

ARCADIS Design & Consultancy for natural and built assets

		Chemical Name	Dissolved Arsenic	Total Arsenic	Dissolved Chromium	Total Chromium	Dissolved Chromium, Hexavalent	Total Chromium, Hexavalent	Dissolved Iron	Total Iron	Dissolved Manganese	Total Manganese	Benzene	Toluene	Ethylbenzene	Total Xylenes	DRO	GRO	Chloride	TDS
		Units	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	ug/l	ug/l	ug/l	ug/l	mg/l	mg/l	mg/l	mg/l
		NMWQCC Standard	0.01	0.01	0.05	0.05	0.05	0.05	1	1	0.2	0.2	5	1,000	700	620			250	1000
Location ID	Sample Date	Sample Type																		
	11/12/2014	FD	**0.0119 J**	--	< 0.0100 U	--	--	< 0.0100 U	< 0.200 U	--	< 0.0200 U	--	< 1.00 U	< 2.00 U	< 1.00 U	< 1.00 U	--	--	**297**	**1,140**
	5/14/2015	N	**0.0138 J**	--	< 0.0100 U	--	--	< 0.0100 U	< 0.200 U	--	< 0.0200 U	--	< 1.00 U	< 2.00 U	< 1.00 U	< 1.00 U	--	--	**314**	**1,120**
	11/11/2015	N	**0.0169 J**	--	< 0.0100 U	--	--	< 0.0100 U	< 0.200 U	--	< 0.0200 U	--	--	--	--	--	--	--	**268**	**995 J**
	5/17/2016	N	**0.0122**	--	< 0.00136 U	--	< 0.00548 U	--	--	--	--	--	--	--	--	--	--	--	**256**	**1,010**
	9/19/2016	N	< 0.00336 U	--	< 0.00136 U	--	< 0.01 U	--	< 0.00616 U	--	**0.00153 J**	--	--	--	--	--	--	--	**232**	**1,070**
MW073SA	5/9/2017	N	**0.0112**	--	**0.0023 J**	--	< 0.01 U	--	**0.0147 J**	--	**0.0112**	--	--	--	--	--	--	--	**409**	**902**
	9/20/2017	N	**0.0128**	--	**0.00085 J**	--	< 0.01 U	--	< 0.1 U	--	**0.00351**	--	--	--	--	--	--	--	**250**	**886**
	3/22/2018	Reg	--	**0.0118**	--	< 0.00400 U	--	< 0.0100 U	< 0.1	--	--	**0.000798**	--	--	--	--	--	--	**189**	**3,270**
	9/12/2018	Reg	**0.0112**	--	< 0.00400 U	--	< 0.0100 U	--	--	**0.231**	**0.00136 J**	--	--	--	--	--	--	--	**229**	**965**
	2/4/2004	N	--	< 0.05 U	< 0.05 U	< 0.05 U	< 0.005 U	--	< 0.1 U	**0.9**	< 0.05 U	< 0.05 U	< 2 U	< 2 U	< 2 U	< 6 U	< 0.3 U	< 0.05 U	**650**	**2,550**
	6/10/2004	N	--	--	< 0.05 U	--	< 0.005 U	--	--	--	--	--	--	--	--	--	--	--	**600**	--
	12/7/2004	N	--	--	< 0.01 U	--	< 0.005 U	--	--	--	--	--	< 2 U	< 2 U	< 2 U	< 6 U	--	< 0.05 U	**670**	--
	5/31/2005	N	--	--	< 0.01 U	--	--	--	--	--	--	--	< 2 U	< 2 U	< 2 U	< 6 U	< 0.25 U	< 0.05 U	**590**	--
	5/31/2005	FD	--	--	< 0.01 U	--	--	--	--	--	--	--	< 2 U	< 2 U	< 2 U	< 6 U	< 0.25 U	< 0.05 U	**590**	--
	1/18/2006	N	--	< 0.02 U	--	< 0.015 U	--	< 0.02 U	--	< 0.2 U	< 0.005 U	< 0.005 U	< 1 U	< 1 U	< 1 U	< 3 U	< 0.6 U	< 0.6 U	**623**	**2,740**
	6/20/2006	N	--	< 0.02 U	--	< 0.015 U	--	< 0.02 U	--	< 0.2 U	< 0.005 U	< 0.005 U	< 1 U	< 1 U	< 1 U	< 3 U	< 0.095 U	< 0.05 U	**659**	**2,910**
	4/3/2007	N	--	< 0.02 U	--	< 0.015 U	--	< 0.02 U	--	< 0.2 U	< 0.005 U	< 0.005 U	< 1 U	< 1 U	< 1 U	< 3 U	< 0.096 U	< 0.05 U	**653**	--
	9/6/2007	N	--	< 0.02 U	--	< 0.015 U	--	< 0.02 U	--	< 0.2 U	< 0.005 U	< 0.005 U	< 1 U	< 1 U	< 1 U	< 3 U	< 0.096 U	< 0.05 U	**638**	--
	3/20/2008	N	--	< 0.02 U	--	< 0.015 U	--	< 0.02 U	--	< 0.2 U	< 0.005 U	< 0.005 U	< 1 U	< 1 U	**1.8**	< 3 U	< 0.096 U	< 0.05 U	**607**	**2,560**
	8/6/2008	N	--	< 0.02 U	--	< 0.015 U	--	< 0.02 U	--	< 0.2 U	< 0.005 U	< 0.005 U	< 1 U	< 1 U	< 1 U	< 3 U	< 0.099 U	< 0.05 U	**586**	**2,190**
	3/16/2009	N	--	< 0.02 U	--	< 0.015 U	--	< 0.02 U	--	< 0.2 U	**0.0067**	**0.0067**	**23**	**6.8**	**2.2**	< 3 U	**0.12**	**0.069**	**491**	**2,060**
	8/24/2009	N	--	< 0.02 U	--	< 0.015 U	--	< 0.02 U	--	< 0.2 U	< 0.005 U	< 0.005 U	< 1 U	< 1 U	< 1 U	< 3 U	< 0.094 U	< 0.05 U	**634**	**2,020**
MW074SA	3/16/2010	N	--	< 0.05 U	--	< 0.050 U	--	< 0.01 U	--	**0.077**	< 0.050 U	< 0.050 U	**1.4**	< 1 U	**1.1**	< 1 U	**0.216**	< 0.05 U	**406**	**2,100**
	8/16/2010	N	--	**0.023**	--	< 0.050 U	--	< 0.01 U	--	< 0.1 U	< 0.050 U	< 0.050 U	< 1 U	< 2 U	< 1 U	< 1 U	< 0.050 U	< 0.05 U	**361**	**2,180**
	5/16/2012	N	< 0.0100 U	--	**0.0135**	--	--	< 0.0100 U	< 0.200 U	--	< 0.0200 U	--	< 1.00 UJ	< 2.00 UJ	< 1.00 UJ	< 1.00 UJ	--	--	**596 J**	**2,210**
	10/31/2012	N	--	< 0.0100 U	--	< 0.0100 U	--	< 0.0100 U	--	< 0.200 U	< 0.0200 U	< 0.0200 U	< 1.00 U	< 2.00 U	< 1.00 U	< 1.00 U	--	--	**584**	**1,790**
	5/7/2013	N	**0.0116 J**	--	**0.0149**	--	--	**0.00610 J**	< 0.200 U	--	< 0.0200 U	--	< 1.00 U	< 2.00 U	< 1.00 U	< 1.00 U	--	--	**542**	**2,100**
	10/31/2013	N	**0.0128 J**	--	**0.0111**	--	--	**0.0113**	< 0.200 U	--	**0.053**	--	< 1.00 U	< 2.00 U	< 1.00 U	< 1.00 U	--	--	**500**	**2,070**
	5/14/2014	N	**0.0199 J**	--	**0.00988 J**	--	--	< 0.0100 U	< 0.200 U	--	**0.00841 J**	--	< 1.00 U	< 2.00 U	< 1.00 U	< 1.00 U	--	--	**596 J**	**2,150**
	11/11/2014	N	**0.00628 J**	--	**0.00908 J**	--	--	**0.0104**	< 0.200 U	--	< 0.0200 U	--	< 1.00 U	< 2.00 U	< 1.00 U	< 1.00 U	--	--	**450**	**2,100**
	5/13/2015	N	< 0.0200 U	--	**0.00813 J**	--	--	**0.00890 J**	< 0.200 U	--	< 0.0200 U	--	< 1.00 U	< 2.00 U	< 1.00 U	< 1.00 U	--	--	**449**	**1,980**
	11/10/2015	N	**0.0208**	--	**0.00733 J**	--	--	< 0.0100 U	< 0.200 U	--	< 0.0200 U	--	--	--	--	--	--	--	**377**	**1,860**
	5/17/2016	N	**0.0219**	--	**0.00505 J**	--	< 0.00548 U	--	--	--	--	--	--	--	--	--	--	--	**273**	**1,670**
	9/19/2016	N	< 0.00336 U	--	**0.00861 J**	--	< 0.01 U	--	< 0.00616 U	--	< 0.000585 U	--	--	--	--	--	--	--	**339**	**1,670**
	5/9/2017	N	**0.0122**	--	**0.00866**	--	**0.0044 J**	--	**0.0776 J**	--	**0.0017 J**	--	--	--	--	--	--	--	**394**	**1,610**
	9/20/2017	N	**0.0131**	--	**0.00754**	--	< 0.01 U	--	< 0.1 U	--	**0.000218 J**	--	--	--	--	--	--	--	**382**	**1,700**
	3/22/2018	Reg	--	**0.0125**	--	**0.00601**	--	< 0.0100 U	< 0.1	--	--	< 0.002	--	--	--	--	--	--	**350**	**1,580**
	9/12/2018	Reg	**0.0152**	--	**0.00517**	--	< 0.0100 U	--	--	< 0.100 U	**0.000226 J**	--	--	--	--	--	--	--	**376**	**1,510**
	2/5/2004	N	--	< 0.05 U	< 0.05 U	< 0.05 U	< 0.005 U	--	< 0.1 U	**1.6**	< 0.05 U	< 0.05 U	< 2 U	< 2 U	< 2 U	< 6 U	< 0.25 U	< 0.05 U	**930**	**2,790**
	6/10/2004	N	--	--	< 0.05 U	--	**0.052**	--	--	--	--	--	--	--	--	--	--	--	**800**	--
	12/7/2004	N	--	--	< 0.01 U	--	< 0.005 U	--	--	--	--	--	--	--	--	--	--	--	**930**	--
	6/1/2005	N	--	--	< 0.01 U	--	--	--	--	--	--	--	--	--	--	--	--	--	**800**	--
	1/19/2006	N	--	< 0.02 U	--	< 0.015 U	--	< 0.02 U	--	< 0.2 U	< 0.005 U	< 0.005 U	< 1 U	< 1 U	< 1 U	< 3 U	< 0.6 U	< 0.6 U	**795**	**2,780**
MW075SA	6/21/2006	N	--	< 0.02 U	--	< 0.015 U	--	< 0.02 U	--	< 0.2 U	< 0.005 U	< 0.005 U	< 1 U	< 1 U	< 1 U	< 3 U	< 0.095 U	< 0.05 U	**826**	**2,660**
	4/3/2007	N	--	< 0.02 U	--	< 0.015 U	--	< 0.02 U	--	**0.224**	< 0.005 U	< 0.005 U	< 1 U	< 1 U	< 1 U	< 3 U	< 0.096 U	< 0.05 U	**641**	--
	9/6/2007	N	--	< 0.02 U	--	< 0.015 U	--	< 0.02 U	--	< 0.2 U	< 0.005 U	< 0.005 U	< 1 U	< 1 U	< 1 U	< 3 U	< 0.097 U	< 0.05 U	**607**	--
	3/20/2008	N	--	< 0.02 U	--	< 0.015 U	--	< 0.02 U	--	< 0.2 U	< 0.0005 U	< 0.0005 U	< 1 U	< 1 U	**1.3**	< 3 U	< 0.096 U	< 0.05 U	**660**	--
	8/6/2008	N	--	< 0.02 U	--	< 0.015 U	--	< 0.02 U	--	< 0.2 U	< 0.005 U	< 0.005 U	< 1 U	< 1 U	< 1 U	< 3 U	< 0.096 U	< 0.05 U	**645**	**2,330**
	3/16/2009	N	--	< 0.02 U	--	< 0.015 U	--	< 0.02 U	--	< 0.2 U	< 0.005 U	< 0.005 U	**15**	**4.9**	**1.8**	< 3 U	< 0.095 U	< 0.05 U	**598**	**2,400**
	8/24/2009	N	--	< 0.02 U	--	< 0.015 U	--	< 0.02 U	--	< 0.2 U	< 0.005 U	< 0.005 U	< 1 U	< 1 U	< 1 U	< 3 U	< 0.095 U	< 0.05 U	**586**	**2,400**

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Appendix E
Historical Analytical Data (through 2017)
2021 Annual Groundwater Monitoring Report
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ARCADIS Design & Consultancy for natural and built assets

			Chemical Name	Dissolved Arsenic	Total Arsenic	Dissolved Chromium	Total Chromium	Dissolved Chromium, Hexavalent	Total Chromium, Hexavalent	Dissolved Iron	Total Iron	Dissolved Manganese	Total Manganese	Benzene	Toluene	Ethylbenzene	Total Xylenes	DRO	GRO	Chloride	TDS
			Units	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	ug/l	ug/l	ug/l	ug/l	mg/l	mg/l	mg/l	mg/l
			NMWQCC Standard	0.01	0.01	0.05	0.05	0.05	0.05	1	1	0.2	0.2	5	1,000	700	620			250	1000
Location ID	Sample Date	Sample Type																			
MW075SA	3/16/2010	N		--	< 0.05 U	--	< 0.050 U	--	< 0.01 U	--	**0.101**	< 0.050 U	< 0.050 U	< 1 U	< 1 U	< 1 U	< 1 U	< 0.051 U	< 0.05 U	**354**	**2,450**
	8/16/2010	N		--	**0.024**	--	< 0.050 U	--	< 0.01 U	--	< 0.1 U	< 0.050 U	< 0.050 U	< 1 U	< 2 U	< 1 U	< 1 U	< 0.050 U	< 0.05 U	**375**	**2,270**
	5/9/2012	N		< 0.0100 U	--	< 0.0100 U	--	--	< 0.0100 U	< 0.200 U	--	< 0.0200 U	--	< 1.00 U	< 2.00 U	< 1.00 U	< 1.00 U	--	--	**531**	**2,370**
	10/30/2012	N		--	< 0.0100 U	--	< 0.0100 U	--	< 0.0100 U	--	< 0.200 U	< 0.0200 U	< 0.0200 U	< 1.00 U	< 2.00 U	< 1.00 U	< 1.00 U	--	--	**535**	**2,260**
	5/6/2013	N		**0.0103 J**	--	< 0.0100 UJ	--	--	< 0.0100 U	**0.0227 J**	--	< 0.0200 U	--	**0.590 J**	< 2.00 U	< 1.00 U	< 1.00 U	--	--	**529**	**2,120**
	10/30/2013	N		**0.0125 J**	--	< 0.0100 U	--	--	< 0.0100 U	< 0.200 U	--	< 0.0200 U	--	< 1.00 U	< 2.00 U	< 1.00 U	< 1.00 U	--	--	**405**	**2,120**
	5/14/2014	N		**0.0217**	--	**0.00211 J**	--	--	< 0.0100 U	< 0.200 U	--	< 0.0200 U	--	< 1.00 U	< 2.00 U	< 1.00 U	< 1.00 U	--	--	**444 J**	**2,090**
	11/11/2014	N		**0.0148 J**	--	**0.00369 J**	--	--	< 0.0100 U	< 0.200 U	--	**0.00954 J**	--	< 1.00 U	< 2.00 U	< 1.00 U	< 1.00 U	--	--	**400**	**2,050**
	5/15/2015	N		**0.0152 J**	--	< 0.0100 U	--	--	< 0.0100 U	< 0.200 U	--	< 0.0200 U	--	< 1.00 U	< 2.00 U	< 1.00 U	< 1.00 U	--	--	**403**	**1,890**
	11/10/2015	N		**0.0209**	--	**0.00673 J**	--	--	< 0.0100 U	< 0.200 U	--	< 0.0200 U	--	--	--	--	--	--	--	**382**	**1,910**
	5/17/2016	N		**0.0164**	--	**0.00392 J**	--	**0.0062 J**	--	--	--	--	--	--	--	--	--	--	--	**316**	**1,580**
	9/19/2016	N		< 0.00336 U	--	**0.00847 J**	--	**0.0075 J**	--	< 0.00616 U	--	< 0.000585 U	--	--	--	--	--	--	--	**387**	**1,840**
	5/8/2017	N		**0.0125**	--	**0.0112**	--	**0.0084 J**	--	< 0.02 U	--	< 0.002 U	--	--	--	--	--	--	--	**397**	**1,820**
	9/20/2017	N		**0.0143**	--	**0.0135**	--	**0.0065 J**	--	< 0.1 U	--	**0.000256 J**	--	--	--	--	--	--	--	**377**	**1,880**
	3/22/2018	Reg		--	**0.0123**	--	**0.0121**	--	< 0.0100 U	< 0.1	--	--	< 0.002	--	--	--	--	--	--	**362**	**1,730**
	9/11/2018	Reg		**0.0152**	--	**0.0135**	--	**0.00660 J**	--	--	< 0.100 U	**0.000321 J**	--	--	--	--	--	--	--	**399**	**1,670**
MW076SA	2/4/2004	N		--	< 0.05 U	< 0.05 U	< 0.05 U	< 0.005 U	--	< 0.1 U	**8.5**	< 0.05 U	**0.14**	< 2 U	< 2 U	< 2 U	< 6 U	**0.31**	< 0.05 U	**440**	**1,730**
	6/10/2004	N		--	--	< 0.05 U	--	< 0.005 U	--	--	--	--	--	--	--	--	--	--	--	**400**	--
	12/7/2004	N		--	--	< 0.01 U	--	< 0.005 U	--	--	--	--	--	--	--	--	--	--	--	**470**	--
	6/1/2005	N		--	--	< 0.01 U	--	--	--	--	--	--	--	< 2 U	< 2 U	< 2 U	< 6 U	< 0.25 U	< 0.05 U	**450**	--
	1/19/2006	N		--	< 0.02 U	--	< 0.015 U	--	< 0.02 U	--	< 0.2 U	< 0.005 U	< 0.005 U	< 1 U	< 1 U	< 1 U	< 3 U	< 0.6 U	< 0.6 U	**463**	**2,220**
	1/19/2006	FD		--	< 0.02 U	--	< 0.015 U	--	< 0.02 U	--	< 0.2 U	< 0.005 U	< 0.005 U	< 1 U	< 1 U	< 1 U	< 3 U	< 0.6 U	< 0.6 U	**463**	**2,230**
	6/21/2006	N		--	< 0.02 U	--	< 0.015 U	--	< 0.02 U	--	< 0.2 U	< 0.005 U	< 0.005 U	< 1 U	< 1 U	< 1 U	< 3 U	< 0.095 U	< 0.05 U	**500**	**2,100**
	4/3/2007	N		--	< 0.02 U	--	< 0.015 U	--	< 0.02 U	--	< 0.2 U	< 0.005 U	< 0.005 U	< 1 U	< 1 U	< 1 U	< 3 U	< 0.095 U	< 0.05 U	**489**	--
	9/7/2007	N		--	**0.015**	--	< 0.015 U	--	< 0.02 U	--	< 0.2 U	< 0.005 U	< 0.005 U	< 1 U	< 1 U	< 1 U	< 3 U	< 0.095 U	< 0.05 U	**506**	--
	3/20/2008	N		--	< 0.02 U	--	< 0.015 U	--	< 0.02 U	--	< 0.2 U	< 0.005 U	< 0.005 U	< 1 U	< 1 U	**1.6**	< 3 U	< 0.098 U	< 0.05 U	**547**	**2,280**
	8/6/2008	N		--	< 0.02 U	--	< 0.015 U	--	< 0.02 U	--	< 0.2 U	< 0.005 U	< 0.005 U	< 1 U	< 1 U	< 1 U	< 3 U	< 0.097 U	< 0.05 U	**533**	**2,120**
	3/16/2009	N		--	< 0.02 U	--	< 0.015 U	--	< 0.02 U	--	< 0.2 U	**0.0057**	**0.0057**	**12**	**4.1**	**1.6**	< 3 U	< 0.095 U	< 0.05 U	**536**	**2,140**
	8/21/2009	N		--	--	--	< 0.015 U	--	< 0.02 U	--	--	--	--	< 1 U	< 1 U	< 1 U	< 3 U	< 0.096 U	< 0.05 U	**819**	--
	3/16/2010	N		--	< 0.05 U	--	< 0.050 U	--	< 0.01 U	--	**0.111**	< 0.050 U	< 0.050 U	< 1 U	< 1 U	< 1 U	< 1 U	**0.055**	< 0.05 U	**465**	**2,180**
	8/16/2010	N		--	**0.025**	--	< 0.050 U	--	< 0.01 U	--	< 0.1 U	< 0.050 U	< 0.050 U	< 1 U	< 2 U	< 1 U	< 1 U	< 0.050 U	< 0.05 U	**460**	**2,110**
	5/9/2012	N		< 0.0100 U	--	< 0.0100 U	--	--	< 0.0100 U	< 0.200 U	--	< 0.0200 U	--	< 1.00 U	< 2.00 U	< 1.00 U	< 1.00 U	--	--	**432**	**2,220**
	10/30/2012	N		--	< 0.0100 U	--	< 0.0100 U	--	< 0.0100 U	--	< 0.200 U	< 0.0200 U	< 0.0200 U	< 1.00 U	< 2.00 U	< 1.00 U	< 1.00 U	--	--	**426**	**1,970**
	5/7/2013	N		**0.00936 J**	--	< 0.0100 U	--	--	< 0.0100 U	< 0.200 U	--	< 0.0200 U	--	< 1.00 U	< 2.00 U	< 1.00 U	< 1.00 U	--	--	**394**	**1,930**
	10/30/2013	N		**0.0206**	--	< 0.0100 U	--	--	< 0.0100 U	< 0.200 U	--	**0.0442**	--	< 1.00 U	< 2.00 U	< 1.00 U	< 1.00 U	--	--	**358**	**2,100**
	5/14/2014	N		**0.0193 J**	--	**0.00211 J**	--	--	< 0.0100 U	< 0.200 U	--	< 0.0200 U	--	< 1.00 U	< 2.00 U	< 1.00 U	< 1.00 U	--	--	**397 J**	**1,940**
	5/14/2014	FD		**0.0185 J**	--	**0.00233 J**	--	--	< 0.0100 U	< 0.200 U	--	< 0.0200 U	--	< 1.00 U	< 2.00 U	< 1.00 U	< 1.00 U	--	--	**413 J**	**2,080**
	11/11/2014	N		**0.0105 J**	--	**0.00312 J**	--	--	< 0.0100 U	< 0.200 U	--	< 0.0200 U	--	< 1.00 U	< 2.00 U	< 1.00 U	< 1.00 U	--	--	**365**	**2,110**
	5/15/2015	N		**0.0153 J**	--	< 0.0100 U	--	--	**0.00560 J**	< 0.200 U	--	< 0.0200 U	--	< 1.00 U	< 2.00 U	< 1.00 U	< 1.00 U	--	--	**457**	**2,080**
	11/11/2015	N		**0.0238**	--	**0.00865 J**	--	--	< 0.0100 U	< 0.200 U	--	< 0.0200 U	--	--	--	--	--	--	--	**423**	**2450 J**
	5/18/2016	N		**0.0162**	--	**0.0139**	--	**0.0058 J**	--	--	--	--	--	--	--	--	--	--	--	**480**	**2,180**
	9/19/2016	N		< 0.00336 U	--	**0.0119**	--	**0.0071 J**	--	< 0.00616 U	--	< 0.000585 U	--	--	--	--	--	--	--	**508**	**2,320**
	5/8/2017	N		**0.0103**	--	**0.012**	--	**0.0092 J**	--	< 0.02 U	--	< 0.002 U	--	--	--	--	--	--	--	**580**	**2,170**
	9/20/2017	N		**0.0119**	--	**0.0146**	--	**0.0076 J**	--	< 0.1 U	--	**0.000882 J**	--	--	--	--	--	--	--	**623**	**2,060**
	3/22/2018	Reg		--	**0.0109**	--	**0.0128**	--	**0.00300 J**	**0.0973**	--	--	**0.00196**	--	--	--	--	--	--	**579**	**2,020**
	9/11/2018	Reg		**0.013**	--	**0.0137**	--	**0.00580 J**	--	--	**0.0231 J**	**0.000582 J**	--	--	--	--	--	--	--	**583**	**1,850**
MW077SA	2/3/2004	N		--	< 0.05 U	< 0.05 U	< 0.05 U	< 0.005 U	--	< 0.1 U	**4.6**	< 0.05 U	**0.12**	< 2 U	< 2 U	< 2 U	< 6 U	**0.46**	< 0.05 U	**880**	**1,700**
	6/14/2004	N		--	--	< 0.05 U	--	< 0.005 U	--	--	--	--	--	< 2 U	< 2 U	< 2 U	< 6 U	< 0.25 U	< 0.05 U	**340**	--
	12/8/2004	N		--	--	< 0.01 U	--	< 0.005 U	--	--	--	--	--	**52**	**71**	**39**	**250**	< 0.25 U	< 0.05 U	**390**	--
	6/1/2005	N		--	--	**0.03**	--	--	--	--	--	--	--	< 2 U	< 2 U	< 2 U	< 6 U	< 0.25 U	< 0.05 U	**2,080**	--
	1/19/2006	N		--	< 0.02 U	--	**0.03**	--	**0.028**	--	< 0.2 U	**0.0095**	**0.0095**	< 1 U	< 1 U	< 1 U	< 3 U	< 0.6 U	< 0.6 U	**1,760**	**4,470**
	6/21/2006	N		--	< 0.02 U	--	**0.0343**	--	**0.023**	--	< 0.2 U	< 0.005 U	< 0.005 U	< 1 U	< 1 U	< 1 U	< 3 U	**0.12**	< 0.05 U	**1,660**	**4,140**
	6/21/2006	FD		--	< 0.02 U	--	**0.0317**	--	< 0.02 U	--	< 0.2 U	< 0.005 U	< 0.005 U	< 1 U	< 1 U	< 1 U	< 3 U	**0.12**	< 0.05 U	**1,710**	**4,260**
	4/11/2007	N		--	< 0.02 U	--	**0.0301**	--	**0.028**	--	< 0.2 U	**0.0136**	**0.0136**	< 1 U	< 1 U	< 1 U	< 3 U	< 0.097 U	< 0.05 U	**1,900**	--
	9/6/2007	N		--	< 0.02 U	--	**0.0197**	--	< 0.02 U	--	< 0.2 U	**0.0136**	**0.0136**	< 1 U	< 1 U	< 1 U	< 3 U	**0.11**	< 0.05 U	**1,760**	--
	4/8/2008	N		--	< 0.02 U	--	**0.0233**	--	**0.029**	--	< 0.2 U	**0.0156**	**0.0156**	< 1 U	< 1 U	< 1 U	< 3 U	**0.11**	< 0.05 U	**1,680**	**3,940**
	8/19/2008	N		--	< 0.02 U	--	**0.0481**	--	**0.044**	--	< 0.2 U	**0.0054**	**0.0054**	< 1 U	< 1 U	**1.4**	< 3 U	**0.11**	< 0.05 U	**1,960**	**5,010**
	3/25/2009	N		--	< 0.02 U	--	**0.0294**	--	**0.022**	--	< 0.2 U	**0.0051**	**0.0051**	< 1 U	< 1 U	< 1 U	< 3 U	**0.097**	< 0.05 U	**1,170**	**3,100**
	8/18/2009	N		--	< 0.02 U	--	**0.0157**	--	< 0.02 U	--	< 0.2 U	< 0.005 U	< 0.005 U	< 1 U	< 1 U	< 1 U	< 3 U	< 0.095 U	< 0.05 U	**755**	**2,690**
	3/4/2010	N		--	**0.44**	--	< 0.05 U	--	< 0.01 U	--	**0.098**	< 0.050 U	< 0.050 U	< 1 U	< 1 U	< 1 U	< 1 U	**0.051**	< 0.05 U	**701**	**2,600**
	8/5/2010	N		--	**0.015**	--	< 0.05 U	--	< 0.01 U	--	< 0.1 U	< 0.050 U	< 0.050 U	< 1 U	< 2 U	< 1 U	< 1 U	**0.061**	< 0.05 U	**609**	**2,400**
	5/9/2012	N		< 0.0100 U	--	< 0.0100 U	--	--	< 0.0100 U	< 0.200 U	--	< 0.0200 U	--	< 1.00 U	< 2.00 U	< 1.00 U	< 1.00 U	--	--	**536**	**1,740**

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		Chemical Name	Dissolved Arsenic	Total Arsenic	Dissolved Chromium	Total Chromium	Dissolved Chromium, Hexavalent	Total Chromium, Hexavalent	Dissolved Iron	Total Iron	Dissolved Manganese	Total Manganese	Benzene	Toluene	Ethylbenzene	Total Xylenes	DRO	GRO	Chloride	TDS
		Units	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	ug/l	ug/l	ug/l	ug/l	mg/l	mg/l	mg/l	mg/l
		NMWQCC Standard	0.01	0.01	0.05	0.05	0.05	0.05	1	1	0.2	0.2	5	1,000	700	620			250	1000
Location ID	Sample Date	Sample Type																		
MW077SA	11/1/2012	N	--	< 0.0100 U	--	< 0.0100 U	--	< 0.0100 U	--	< 0.200 U	< 0.0200 U	< 0.0200 U	< 1.00 U	< 2.00 U	< 1.00 U	< 1.00 U	--	--	718	1,930
	5/6/2013	N	< 0.0200 U	--	< 0.0100 U	--	--	< 0.0100 U	< 0.200 U	--	< 0.0200 U	--	< 1.00 U	< 2.00 U	< 1.00 U	< 1.00 U	--	--	416	1,380
MW078SA	3/24/2004	N	--	< 0.01 U	< 0.05 U	< 0.05 U	< 0.005 U	--	< 0.1 U	0.3	< 0.05 U	< 0.05 U	< 2 U	< 2 U	< 2 U	< 6 U	0.94	< 0.05 U	220	1,100
	4/6/2004	N	--	< 0.01 U	--	< 0.05 U	--	--	--	0.2	< 0.05 U	< 0.05 U	--	--	--	--	--	--	--	--
	6/14/2004	N	--	--	< 0.05 U	--	< 0.005 U	--	--	--	--	--	< 2 U	< 2 U	< 2 U	< 6 U	< 0.25 U	< 0.05 U	220	--
	12/8/2004	N	--	--	< 0.01 U	--	< 0.005 U	--	--	--	--	--	50	84	69	220	< 0.25 U	< 0.05 U	220	--
	6/1/2005	N	--	--	< 0.01 U	--	--	--	--	--	--	--	--	--	--	--	--	--	170	--
	1/19/2006	N	--	< 0.02 U	--	< 0.015 U	--	< 0.02 U	--	< 0.2 U	< 0.005 U	< 0.005 U	< 1 U	< 1 U	< 1 U	< 3 U	< 0.6 U	< 0.6 U	191	897
	6/21/2006	N	--	< 0.02 U	--	< 0.015 U	--	< 0.02 U	--	< 0.2 U	< 0.005 U	< 0.005 U	< 1 U	< 1 U	< 1 U	< 3 U	< 0.095 U	< 0.05 U	201	936
	4/5/2007	N	--	< 0.02 U	--	< 0.015 U	--	< 0.02 U	--	< 0.2 U	< 0.005 U	< 0.005 U	< 1 U	< 1 U	< 1 U	< 3 U	< 0.096 U	< 0.05 U	191	--
	9/6/2007	N	--	< 0.02 U	--	--	--	--	--	< 0.2 U	< 0.005 U	< 0.005 U	--	--	--	--	--	--	--	--
	9/7/2007	N	--	--	--	< 0.015 U	--	< 0.02 U	--	--	--	--	< 1 U	< 1 U	< 1 U	< 3 U	< 0.096 U	< 0.05 U	155	--
	3/26/2008	N	--	< 0.02 U	--	< 0.015 U	--	< 0.02 U	--	< 0.2 U	< 0.005 U	< 0.005 U	< 1 U	< 1 U	< 1 U	< 3 U	< 0.096 U	< 0.05 U	191	823
	8/11/2008	N	--	< 0.02 U	--	0.005	--	< 0.02 U	--	< 0.2 U	0.005	0.005	< 1 U	< 1 U	< 1 U	< 3 U	< 0.099 U	< 0.05 U	158	855
	3/18/2009	N	--	< 0.02 U	--	< 0.015 U	--	< 0.02 U	--	< 0.2 U	0.0069	0.0069	3.2	1.3	< 1 U	< 3 U	< 0.096 U	< 0.05 U	172	845
	8/20/2009	N	--	< 0.02 U	--	< 0.015 U	--	< 0.02 U	--	< 0.2 U	< 0.005 U	< 0.005 U	< 1 U	< 1 U	< 1 U	< 3 U	< 0.096 U	< 0.05 U	159	790
	3/11/2010	N	--	< 0.05 U	--	< 0.050 U	--	< 0.01 U	--	0.117	< 0.050 U	< 0.050 U	< 1 U	< 1 U	< 1 U	< 1 U	0.072	< 0.05 U	137	716
	8/10/2010	N	--	0.015	--	< 0.050 U	--	0.01	--	< 0.1 U	< 0.050 U	< 0.050 U	< 1 U	< 2 U	< 1 U	< 1 U	0.123	< 0.05 U	183	794
	5/16/2012	N	< 0.0100 U	--	< 0.0100 U	--	--	< 0.0100 U	< 0.200 U	--	< 0.0200 U	--	< 1.00 UJ	< 2.00 UJ	< 1.00 UJ	< 1.00 UJ	--	--	184 J	845
	11/2/2012	N	--	< 0.0100 U	--	< 0.0100 U	--	< 0.0100 U	--	< 0.200 U	< 0.0200 U	< 0.0200 U	< 1.00 U	< 2.00 U	< 1.00 U	< 1.00 U	--	--	165	826
	5/8/2013	N	< 0.0200 UJ	--	< 0.0100 U	--	--	< 0.0100 U	< 0.200 U	--	< 0.0200 U	--	< 1.00 U	< 2.00 U	< 1.00 U	< 1.00 U	--	--	161	839
	11/4/2013	N	0.0104 J	--	< 0.0100 U	--	--	< 0.0100 U	< 0.200 U	--	0.0180 J	--	0.540 J	< 2.00 U	< 1.00 U	3.73	--	--	132	793
	5/15/2014	N	< 0.0200 UJ	--	< 0.0100 U	--	--	< 0.0100 U	< 0.200 U	--	< 0.0200 UJ	--	< 1.00 U	< 2.00 U	< 1.00 U	< 1.00 U	--	--	167	826
	11/13/2014	N	0.0227	--	< 0.0100 U	--	--	< 0.0100 U	< 0.200 U	--	< 0.0200 U	--	< 1.00 U	< 2.00 U	< 1.00 U	< 1.00 U	--	--	155	840
	5/13/2015	N	< 0.0200 U	--	< 0.0100 U	--	--	< 0.0100 U	< 0.200 U	--	< 0.0200 U	--	< 1.00 U	< 2.00 U	< 1.00 U	< 1.00 U	--	--	197	1,010
	11/12/2015	N	0.00966 J	--	< 0.0100 U	--	--	< 0.0100 U	< 0.200 U	--	< 0.0200 U	--	--	--	--	--	--	--	215	875
	11/12/2015	FD	0.0113 J	--	< 0.0100 U	--	--	< 0.0100 U	< 0.200 U	--	< 0.0200 U	--	--	--	--	--	--	--	215	914
MW079SA	3/18/2004	N	--	0.01	< 0.05 U	0.11	0.078	--	0.4	2.4	0.1	0.06	< 2 U	< 2 U	< 2 U	< 6 U	< 0.27 U	< 0.05 U	970	2,490
	6/3/2004	N	--	0.02	< 0.05 U	< 0.05 U	< 0.005 U	--	1	18.9	0.78	0.89	--	--	--	--	--	--	1,010	--
	7/7/2004	N	--	< 0.05 U	< 0.2 U	< 0.2 U	< 0.1 U	--	56.8	66.3	17	22.6	--	--	--	--	--	--	1,100	--
	8/17/2004	N	--	< 0.1 U	< 0.05 U	< 0.5 U	< 0.005 U	--	2.9	46	1.11	20	--	--	--	--	--	--	800	--
	10/10/2004	N	--	< 0.01 U	0.08	0.1	< 0.1 U	--	< 0.1 U	< 0.1 U	2.87	3.41	--	--	--	--	--	--	1,130	--
	11/22/2004	N	--	0.006	0.01	0.016	< 0.005 U	--	4.29	8.2	1.94	2.3	--	--	--	--	--	--	860	3,620
	1/5/2005	N	--	< 0.01 U	0.01	< 0.01 U	< 0.005 U	--	1.96	4.43	1.47	1.35	--	--	--	--	--	--	850	3,400
	1/27/2005	N	--	< 0.01 U	0.02	0.02	< 0.005 U	--	6.91	9.28	0.98	0.96	--	--	--	--	--	--	810	4,570
	2/16/2005	N	--	< 0.01 U	0.02	0.03	< 0.02 U	--	20.7	49.5	1.14	1.42	--	--	--	--	--	--	840	5,400
	3/15/2005	N	--	< 0.01 U	0.01	0.02	< 0.005 U	--	6.48	9.63	1.06	1.12	--	--	--	--	--	--	720	4,040
	4/18/2005	N	--	< 0.01 U	0.02	0.02	< 0.005 U	--	10.5	10.2	1.36	1.35	--	--	--	--	--	--	730	4,040
	6/2/2005	N	--	< 0.01 U	0.01	0.01	< 0.05 U	--	3.08	5.31	1.16	1.16	--	--	--	--	--	--	740	3,760
	6/20/2005	N	--	< 0.01 U	0.01	0.01	< 0.005 U	--	1.44	4.69	0.99	0.97	--	--	--	--	--	--	800	3,860
	7/20/2005	N	--	< 0.01 U	0.01	0.01	< 0.005 U	--	1.97	4.53	0.93	0.91	--	--	--	--	--	--	710	3,600
	2/3/2006	N	--	< 0.02 U	--	< 0.015 U	--	< 0.02 U	--	1.63	0.435	0.435	< 1 U	< 1 U	< 1 U	< 3 U	< 6 U	< 6 U	917	2,560
	7/18/2006	N	--	< 0.02 U	--	< 0.015 U	--	< 0.02 U	--	0.3	0.269	0.269	< 1 U	< 1 U	< 1 U	< 3 U	0.14	< 0.05 U	774	2,190
	3/28/2007	N	--	< 0.02 U	--	< 0.015 U	--	< 0.02 U	--	2.21	0.176	0.176	< 1 U	< 1 U	< 1 U	< 3 U	0.14	< 0.05 U	508	--
	9/7/2007	N	--	< 0.02 U	--	< 0.015 U	--	< 0.02 U	--	0.257	0.178	0.178	< 1 U	< 1 U	< 1 U	< 3 U	< 0.095 U	< 0.05 U	418	--
	4/2/2008	N	--	< 0.02 U	--	< 0.015 U	--	< 0.02 U	--	2.43	0.128	0.128	< 1 U	< 1 U	< 1 U	< 3 U	< 0.1 U	< 0.05 U	373	1,420
	8/6/2008	N	--	< 0.02 U	--	0.0195	--	< 0.02 U	--	< 0.2 U	0.153	0.153	< 1 U	< 1 U	< 1 U	< 3 U	< 0.1 U	< 0.05 U	340	1,320
	3/24/2009	N	--	< 0.02 U	--	< 0.015 U	--	< 0.02 U	--	< 0.2 U	0.146	0.146	< 1 U	< 1 U	< 1 U	< 3 U	< 0.099 U	< 0.05 U	322	1,290
	8/18/2009	N	--	< 0.02 U	--	< 0.015 U	--	< 0.02 U	--	< 0.2 U	0.0893	0.0893	< 1 U	< 1 U	< 1 U	< 3 U	< 0.097 U	< 0.05 U	398	1,240
	3/3/2010	N	--	< 0.05 U	--	< 0.05 U	--	< 0.01 U	--	0.219	0.059	0.059	< 1 U	< 2 U	< 1 U	< 1 U	< 0.052 U	< 0.05 U	249	1,250
	8/4/2010	N	--	< 0.01 U	--	< 0.05 U	--	< 0.01 U	--	0.244	0.054	0.054	55	42	< 20 U	< 20 U	0.09	0.093	287	1,270
	5/9/2012	N	< 0.0100 U	--	< 0.0100 U	--	--	0.0355	< 0.200 U	--	0.0671	--	< 1.00 U	< 2.00 U	< 1.00 U	< 1.00 U	--	--	327	1,310
	11/7/2012	N	--	< 0.0100 U	--	< 0.0100 U	--	< 0.0100 U	--	0.214	0.0585	0.0585	< 1.00 U	< 2.00 U	< 1.00 U	< 1.00 U	--	--	348	1,320
	11/1/2013	N	0.00919 J	--	< 0.0100 U	--	--	< 0.0100 U	< 0.200 U	--	0.0225	--	< 1.00 U	< 2.00 U	< 1.00 U	< 1.00 U	--	--	338	1,360
	5/15/2014	N	< 0.0200 UJ	--	< 0.0100 U	--	--	< 0.0100 U	< 0.200 U	--	0.0353	--	< 1.00 U	< 2.00 U	< 1.00 U	< 1.00 U	--	--	329	1,440
	11/13/2014	N	0.0189 J	--	0.00100 J	--	--	< 0.0100 U	< 0.200 U	--	< 0.0200 U	--	< 1.00 U	< 2.00 U	< 1.00 U	< 1.00 U	--	--	365	1,430
	5/13/2015	N	< 0.0200 U	--	< 0.0100 U	--	--	< 0.0100 U	< 0.200 U	--	0.0132 J	--	< 1.00 U	< 2.00 U	< 1.00 U	< 1.00 U	--	--	344	1,410
	11/12/2015	N	0.00631 J	--	0.00165 J	--	--	< 0.0100 U	< 0.200 U	--	0.00935 J	--	--	--	--	--	--	--	325	1,280
	5/17/2016	N	0.00693 J	--	< 0.00136 U	--	< 0.00548 U	--	--	--	--	--	--	--	--	--	--	--	222	1,140
	9/20/2016	N	< 0.00336 U	--	0.00159 J	--	< 0.01 U	--	0.0119 J	--	0.0029 J	--	--	--	--	--	--	--	282	1,170
	5/8/2017	N	0.00324	--	< 0.004 U	--	< 0.01 U	--	0.428	--	0.0566	--	--	--	--	--	--	--	303	1,130
	9/20/2017	N	0.00748	--	0.00105 J	--	< 0.01 U	--	0.101	--	0.0251	--	--	--	--	--	--	--	308	1,220

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Appendix E
Historical Analytical Data (through 2017)
2021 Annual Groundwater Monitoring Report
Former Eunice North Gas Plant

ARCADIS Design & Consultancy for natural and built assets

		Chemical Name	Dissolved Arsenic	Total Arsenic	Dissolved Chromium	Total Chromium	Dissolved Chromium, Hexavalent	Total Chromium, Hexavalent	Dissolved Iron	Total Iron	Dissolved Manganese	Total Manganese	Benzene	Toluene	Ethylbenzene	Total Xylenes	DRO	GRO	Chloride	TDS
		Units	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	ug/l	ug/l	ug/l	ug/l	mg/l	mg/l	mg/l	mg/l
		NMWQCC Standard	0.01	0.01	0.05	0.05	0.05	0.05	1	1	0.2	0.2	5	1,000	700	620			250	1000
Location ID	Sample Date	Sample Type																		
	3/23/2018	Reg	--	**0.00663**	--	< 0.00400 U	--	< 0.0100 U	**0.335**	--	--	**0.0531**	--	--	--	--	--	--	**278**	**635**

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		Chemical Name	Dissolved Arsenic	Total Arsenic	Dissolved Chromium	Total Chromium	Dissolved Chromium, Hexavalent	Total Chromium, Hexavalent	Dissolved Iron	Total Iron	Dissolved Manganese	Total Manganese	Benzene	Toluene	Ethylbenzene	Total Xylenes	DRO	GRO	Chloride	TDS
		Units	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	ug/l	ug/l	ug/l	ug/l	mg/l	mg/l	mg/l	mg/l
		NMWQCC Standard	0.01	0.01	0.05	0.05	0.05	0.05	1	1	0.2	0.2	5	1,000	700	620			250	1000
Location ID	Sample Date	Sample Type																		
MW079SA	9/12/2018	Reg	0.00709	--	0.000775 J	--	< 0.0100 U	--	--	0.176	0.0406	--	--	--	--	--	--	--	270	1,140
	9/12/2018	FD	0.00707	--	0.000783 J	--	< 0.0100 U	--	--	0.184	0.042	--	--	--	--	--	--	--	269	1,030
MW080SA	3/17/2004	N	--	< 0.01 U	< 0.05 U	< 0.05 U	0.029	--	< 0.1 U	< 0.1 U	< 0.05 U	< 0.05 U	< 2 U	< 2 U	< 2 U	< 6 U	0.28	< 0.05 U	660	1,850
	6/3/2004	N	--	< 0.01 U	< 0.05 U	< 0.05 U	0.028	--	< 0.1 U	1	< 0.05 U	< 0.05 U	--	--	--	--	--	--	800	--
	7/7/2004	N	--	0.038	0.025	0.022	< 0.02 U	--	22	21	12	9.8	--	--	--	--	--	--	1,400	--
	8/17/2004	N	--	< 0.01 U	< 0.05 U	< 0.05 U	0.023	--	1.5	1.5	< 0.05 U	< 0.05 U	--	--	--	--	--	--	700	--
	10/11/2004	N	--	< 0.01 U	< 0.05 U	< 0.05 U	< 0.005 U	--	< 0.1 U	< 0.1 U	< 0.05 U	< 0.05 U	--	--	--	--	--	--	720	--
	11/23/2004	N	--	< 0.01 U	0.03	0.03	0.019	--	< 0.4 U	< 0.4 U	< 0.01 U	< 0.01 U	--	--	--	--	--	--	980	2,390
	1/5/2005	N	--	< 0.01 U	0.03	0.03	0.019	--	< 0.4 U	< 0.4 U	< 0.01 U	< 0.01 U	--	--	--	--	--	--	760	2,100
	1/27/2005	N	--	< 0.01 U	0.02	0.02	0.007	--	< 0.4 U	< 0.4 U	< 0.01 U	0.01	--	--	--	--	--	--	680	2,370
	2/16/2005	N	--	< 0.01 U	0.02	0.02	< 0.005 U	--	< 0.4 U	< 0.4 U	0.01	0.01	--	--	--	--	--	--	830	2,360
	3/16/2005	N	--	< 0.01 U	0.02	0.02	< 0.005 U	--	< 0.4 U	< 0.4 U	0.01	0.02	--	--	--	--	--	--	710	2,110
	4/18/2005	N	--	< 0.01 U	0.02	0.03	0.014	--	< 0.4 U	< 0.4 U	< 0.01 U	< 0.01 U	--	--	--	--	--	--	700	1,800
	6/2/2005	N	--	< 0.01 U	0.02	0.02	0.016	--	< 0.4 U	< 0.4 U	< 0.01 U	< 0.01 U	--	--	--	--	--	--	720	2,330
	6/20/2005	N	--	< 0.01 U	0.01	0.02	< 0.005 U	--	1.66	1.1	0.06	0.03	--	--	--	--	--	--	730	2,350
	6/20/2005	FD	--	0.01	0.01	0.01	< 0.005 U	--	1.6	1.59	0.07	0.07	--	--	--	--	--	--	750	2,360
	7/20/2005	N	--	< 0.01 U	0.02	0.02	< 0.005 U	--	< 0.4 U	< 0.4 U	< 0.01 U	< 0.01 U	--	--	--	--	--	--	700	2,200
	2/2/2006	N	--	< 0.02 U	--	< 0.015 U	--	< 0.02 U	--	< 0.2 U	0.0275	0.0275	< 1 U	< 1 U	< 1 U	< 3 U	< 0.6 U	< 0.6 U	615	1,850
	7/18/2006	N	--	< 0.02 U	--	< 0.015 U	--	< 0.02 U	--	< 0.2 U	0.0135	0.0135	< 1 U	< 1 U	< 1 U	< 3 U	0.13	< 0.05 U	504	1,800
	3/28/2007	N	--	< 0.02 U	--	< 0.015 U	--	< 0.02 U	--	< 0.2 U	0.0168	0.0168	< 1 U	< 1 U	< 1 U	< 3 U	0.26	0.059	403	--
	9/7/2007	N	--	< 0.02 U	--	< 0.015 U	--	< 0.02 U	--	< 0.2 U	0.0134	0.0134	< 1 U	< 1 U	< 1 U	< 3 U	0.13	< 0.05 U	344	--
	4/2/2008	N	--	< 0.02 U	--	< 0.015 U	--	< 0.02 U	--	< 0.2 U	0.0214	0.0214	< 1 U	< 1 U	< 1 U	< 3 U	0.25	0.071	332	1,370
	8/6/2008	N	--	< 0.02 U	--	0.0195	--	< 0.02 U	--	< 0.2 U	0.0246	0.0246	< 1 U	< 1 U	< 1 U	< 3 U	< 0.1 U	< 0.05 U	305	1,220
	3/23/2009	N	--	< 0.02 U	--	< 0.015 U	--	< 0.02 U	--	< 0.2 U	< 0.005 U	< 0.005 U	< 1 U	< 1 U	< 1 U	< 3 U	< 0.1 U	< 0.05 U	280	1,250
	8/18/2009	N	--	< 0.02 U	--	< 0.015 U	--	< 0.02 U	--	< 0.2 U	< 0.005 U	< 0.005 U	< 1 U	< 1 U	< 1 U	< 3 U	< 0.099 U	< 0.05 U	735	1,160
	3/3/2010	N	--	< 0.05 U	--	< 0.05 U	--	< 0.01 U	--	0.048	< 0.050 U	< 0.050 U	< 1 U	< 2 U	< 1 U	< 1 U	< 0.053 U	< 0.05 U	229	1,170
	8/4/2010	N	--	0.012	--	< 0.05 U	--	< 0.01 U	--	< 0.1 U	< 0.050 U	< 0.050 U	< 1 U	< 2 U	< 1 U	< 1 U	0.058	< 0.05 U	235	1,100
	5/9/2012	N	< 0.0100 U	--	< 0.0100 U	--	--	< 0.0100 U	< 0.200 U	--	< 0.0200 U	--	< 1.00 U	< 2.00 U	< 1.00 U	< 1.00 U	--	--	291	1,110
	11/7/2012	N	--	< 0.0100 U	--	< 0.0100 U	--	< 0.0100 U	--	< 0.200 U	< 0.0200 U	< 0.0200 U	< 1.00 U	< 2.00 U	< 1.00 U	< 1.00 U	--	--	295	1,100
MW081SA	3/25/2004	N	--	< 0.01 U	0.15	0.16	0.086	--	0.1	9.8	< 0.05 U	0.18	< 2 U	< 2 U	< 2 U	< 6 U	< 0.25 U	< 0.05 U	1,020	2,780
	6/3/2004	N	--	0.06	0.06	0.05	< 0.1 U	--	26.8	24.4	13.2	12.2	--	--	--	--	--	--	1,010	--
	7/7/2004	N	--	0.012	0.022	0.022	0.05	--	< 0.05 U	1	< 0.01 U	0.02	--	--	--	--	--	--	1,100	--
	8/17/2004	N	--	0.03	0.07	0.08	< 0.1 U	--	35.1	35.5	< 0.05 U	< 0.05 U	--	--	--	--	--	--	1,000	--
	10/10/2004	N	--	< 0.01 U	< 0.05 U	< 0.05 U	< 0.005 U	--	2.4	2.4	2.5	2.75	--	--	--	--	--	--	950	--
	11/23/2004	N	--	< 0.01 U	0.04	0.04	< 0.005 U	--	0.42	0.81	< 0.01 U	< 0.01 U	--	--	--	--	--	--	1,070	3,850
	1/5/2005	N	--	< 0.01 U	0.02	0.03	< 0.005 U	--	< 0.4 U	0.77	1.95	3.16	--	--	--	--	--	--	1,020	3,110
	1/13/2005	N	--	< 0.01 U	0.03	0.03	< 0.005 U	--	3.27	2.59	2.69	2.24	--	--	--	--	--	--	1,030	2,960
	1/27/2005	N	--	< 0.01 U	0.03	0.02	< 0.005 U	--	< 0.4 U	0.4	0.01	1.96	--	--	--	--	--	--	920	3,120
	2/16/2005	N	--	0.01	0.01	0.03	< 0.005 U	--	0.78	0.9	2.87	< 0.01 U	--	--	--	--	--	--	1,060	3,340
	3/16/2005	N	--	0.01	< 0.01 U	0.01	< 0.005 U	--	0.98	1.06	2.73	4.31	--	--	--	--	--	--	950	2,070
	4/19/2005	N	--	0.01	< 0.01 U	0.01	< 0.005 U	--	0.74	0.65	2.41	4.64	--	--	--	--	--	--	920	3,060
	6/2/2005	N	--	< 0.01 U	< 0.01 U	< 0.01 U	< 0.005 U	--	0.47	0.82	1.72	3.21	--	--	--	--	--	--	970	3,000
	6/21/2005	N	--	< 0.05 U	< 0.05 U	< 0.05 U	< 0.005 U	--	0.44	0.93	13.3	14	--	--	--	--	--	--	1,000	3,160
	7/20/2005	N	--	< 0.01 U	< 0.01 U	< 0.01 U	< 0.005 U	--	0.94	1.55	0.96	1.11	--	--	--	--	--	--	990	3,020
	2/2/2006	N	--	< 0.02 U	--	< 0.015 U	--	< 0.02 U	--	2.24	0.356	0.356	< 1 U	< 1 U	< 1 U	< 3 U	< 0.6 U	< 0.6 U	1,060	2,820
	7/18/2006	N	--	< 0.02 U	--	< 0.015 U	--	< 0.02 U	--	0.511	0.301	0.301	< 1 U	< 1 U	< 1 U	< 3 U	< 0.1 U	< 0.05 U	1,120	2,550
	3/28/2007	N	--	< 0.02 U	--	< 0.015 U	--	< 0.02 U	--	4.07	0.506	0.506	< 1 U	< 1 U	< 1 U	< 3 U	0.17	< 0.05 U	765	--
	9/7/2007	N	--	< 0.02 U	--	< 0.015 U	--	< 0.02 U	--	1.13	0.23	0.23	< 1 U	< 1 U	< 1 U	< 3 U	< 0.098 U	< 0.05 U	582	--
	4/2/2008	N	--	< 0.02 U	--	< 0.015 U	--	< 0.02 U	--	4.56	0.0919	0.0919	< 1 U	< 1 U	< 1 U	< 3 U	< 0.11 U	< 0.05 U	483	1,640
	8/6/2008	N	--	< 0.02 U	--	0.0195	--	< 0.02 U	--	1.76	0.0916	0.0916	< 1 U	< 1 U	< 1 U	< 3 U	< 0.1 U	< 0.05 U	439	1,520
	3/23/2009	N	--	< 0.02 U	--	< 0.015 U	--	< 0.02 U	--	0.297	0.0821	0.0821	< 1 U	< 1 U	< 1 U	< 3 U	< 0.099 U	< 0.05 U	510	1,940
	8/18/2009	N	--	< 0.02 U	--	< 0.015 U	--	< 0.02 U	--	< 0.2 U	0.0742	0.0742	< 1 U	< 1 U	< 1 U	< 3 U	< 0.097 U	< 0.05 U	1,340	1,640
	3/3/2010	N	--	< 0.05 U	--	< 0.05 U	--	< 0.01 U	--	0.095	0.055	0.055	< 1 U	< 2 U	< 1 U	< 1 U	0.101	< 0.05 U	485	1,760
	8/4/2010	N	--	0.011	--	< 0.05 U	--	< 0.01 U	--	3.61	0.063	0.063	< 1 U	< 2 U	< 1 U	< 1 U	0.069	< 0.05 U	515	1,710
	5/9/2012	N	< 0.0100 U	--	< 0.0100 U	--	--	< 0.0100 U	< 0.200 U	--	0.0281	--	< 1.00 U	< 2.00 U	< 1.00 U	< 1.00 U	--	--	457	1,920
	11/7/2012	N	--	< 0.0100 U	--	< 0.0100 U	--	< 0.0100 U	--	< 0.200 U	0.0712	0.0712	< 1.00 U	< 2.00 U	< 1.00 U	< 1.00 U	--	--	565	1,490
	5/8/2013	N	< 0.0200 UJ	--	< 0.0100 U	--	--	< 0.0100 U	< 0.200 U	--	0.233	--	< 1.00 U	< 2.00 U	< 1.00 U	< 1.00 U	--	--	567	2,000
MW082SA	3/25/2004	N	--	< 0.01 U	< 0.05 U	< 0.05 U	0.006	--	0.2	3.3	< 0.05 U	0.09	< 2 U	< 2 U	< 2 U	< 6 U	< 0.26 U	< 0.05 U	1,200	3,420
	6/8/2004	N	--	< 0.01 U	< 0.05 U	< 0.05 U	< 0.1 U	--	9	13	5.74	9.12	--	--	--	--	--	--	1,300	--
	7/21/2004	N	--	< 0.01 U	0.08	0.12	< 0.1 U	--	37.8	51	22.7	30.5	--	--	--	--	--	--	1,600	--
	8/23/2004	N	--	< 0.1 U	0.2	0.2	< 0.1 U	--	97.4	154	24.6	27.8	--	--	--	--	--	--	1,950	--
	10/19/2004	N	--	< 0.1 U	1.6	1.8	< 0.005 U	--	1250	1600	54.4	94.4	--	--	--	--	--	--	1,280	--

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Appendix E
Historical Analytical Data (through 2017)
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Former Eunice North Gas Plant

ARCADIS Design & Consultancy for natural and built assets

			Chemical Name	Dissolved Arsenic	Total Arsenic	Dissolved Chromium	Total Chromium	Dissolved Chromium, Hexavalent	Total Chromium, Hexavalent	Dissolved Iron	Total Iron	Dissolved Manganese	Total Manganese	Benzene	Toluene	Ethylbenzene	Total Xylenes	DRO	GRO	Chloride	TDS
			Units	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	ug/l	ug/l	ug/l	ug/l	mg/l	mg/l	mg/l	mg/l
			NMWQCC Standard	0.01	0.01	0.05	0.05	0.05	0.05	1	1	0.2	0.2	5	1,000	700	620			250	1000
Location ID	Sample Date	Sample Type																			
	12/8/2004	N		--	< 0.01 U	0.2	4	< 0.005 U	--	1800	184	< 0.01 U	< 0.1 U	--	--	--	--	--	--	1,340	8,360
	1/12/2005	N		--	< 0.01 U	0.07	0.07	< 0.02 U	--	16.3	15.7	1.66	< 0.01 U	--	--	--	--	--	--	1,310	4,880
MW082SA	2/2/2005	N		--	< 0.1 U	2	3.3	< 0.05 U	--	187	327	13.8	21	--	--	--	--	--	--	1,230	8,270
	3/1/2005	N		--	< 0.1 U	0.1	0.2	< 0.1 U	--	151	305	4	9.9	--	--	--	--	--	--	1,170	7,310
	3/24/2005	N		--	< 0.1 U	0.2	0.2	< 0.005 U	--	215	220	3.4	3.5	--	--	--	--	--	--	900	7,290
	4/27/2005	N		--	< 0.01 U	0.13	0.17	< 0.05 U	--	< 0.4 U	< 0.4 U	2.75	3.54	--	--	--	--	--	--	980	7,340
	5/25/2005	N		--	< 0.01 U	0.01	0.02	< 0.01 U	--	15.8	38.7	0.29	0.66	--	--	--	--	--	--	1,000	6,950
	6/28/2005	N		--	< 0.05 U	0.09	0.11	< 0.05 U	--	51.3	66.2	3.15	3.67	--	--	--	--	--	--	990	6,880
	7/14/2005	N		--	< 0.01 U	0.09	0.09	< 0.05 U	--	< 0.4 U	< 0.4 U	2.93	2.89	--	--	--	--	--	--	910	7,970
	2/3/2006	N		--	0.0809	--	0.0364	--	< 0.02 U	--	2.2	1.06	1.06	< 10 U	< 10 U	< 10 U	< 30 U	< 6 U	< 6 U	940	3,440
	7/14/2006	N		--	0.0226	--	< 0.015 U	--	< 0.02 U	--	< 0.2 U	1.15	1.15	< 1 U	< 1 U	< 1 U	< 3 U	0.48	< 0.05 U	1,210	3,620
	3/22/2007	N		--	< 0.02 U	--	< 0.0151 U	--	< 0.02 U	--	0.62	1.55	1.55	1.5	< 1 U	< 1 U	< 3 U	0.37	< 0.05 U	1,120	--
	9/6/2007	N		--	< 0.02 U	--	< 0.015 U	--	< 0.2 U	--	1.97	1.9	1.9	< 1 U	< 1 U	< 1 U	< 3 U	0.45	< 0.05 U	1,120	--
	3/26/2008	N		--	< 0.02 U	--	< 0.015 U	--	< 0.02 U	--	4.16	2.07	2.07	< 5 U	< 5 U	< 5 U	< 15 U	0.42	0.27	1,200	3,240
	8/6/2008	N		--	< 0.02 U	--	0.0195	--	< 0.02 U	--	1.66	2.1	2.1	< 1 U	< 1 U	< 1 U	< 3 U	0.28	< 0.05 U	1,180	3,210
	3/18/2009	N		--	< 0.02 U	--	< 0.015 U	--	< 0.02 U	--	4.56	2.61	2.61	< 1 U	< 1 U	< 1 U	< 3 U	0.3	0.073	1,380	3,480
	8/17/2009	N		--	< 0.02 U	--	< 0.015 U	--	< 0.02 U	--	0.565	3.15	3.15	< 1 U	< 1 U	< 1 U	< 3 U	0.25	< 0.05 U	366	4,070
	3/3/2010	N		--	< 0.05 U	--	< 0.05 U	--	< 0.01 U	--	0.651	1.11	1.11	< 1 U	< 2 U	< 1 U	< 1 U	0.28	< 0.05 U	968	3,080
	8/4/2010	N		--	< 0.01 U	--	< 0.05 U	--	< 0.01 U	--	6.45	3.52	3.52	< 1 U	< 2 U	< 1 U	< 1 U	0.329	< 0.05 U	1,600	3,940
	5/11/2012	N		< 0.0100 U	--	< 0.0100 U	--	--	0.062	0.576	--	0.139	--	< 1.00 U	< 2.00 U	< 1.00 U	< 1.00 U	--	--	758 J	2,690
	10/30/2012	N		--	< 0.0100 U	--	< 0.0100 U	--	< 0.0100 U	--	< 0.200 U	0.164	0.164	< 1.00 U	< 2.00 U	< 1.00 U	< 1.00 U	--	--	880	2,930
	5/6/2013	N		< 0.0200 U	--	< 0.0100 UJ	--	--	< 0.0100 U	0.0499 J	--	0.404	--	< 1.00 U	< 2.00 U	< 1.00 U	< 1.00 U	--	--	1,370	3,940
	3/25/2004	N		--	< 0.01 U	< 0.05 U	< 0.05 U	0.008	--	0.2	4.6	< 0.05 U	0.1	< 2 U	< 2 U	< 2 U	< 6 U	< 0.27 U	< 0.05 U	1,400	3,740
	6/8/2004	N		--	< 0.01 U	< 0.05 U	< 0.05 U	< 0.1 U	--	15.7	17	5.1	5.47	--	--	--	--	--	--	1,120	--
	7/22/2004	N		--	< 0.1 U	< 0.5 U	< 0.5 U	< 0.1 U	--	3.2	40	26.1	31.6	--	--	--	--	--	--	830	--
	8/23/2004	N		--	< 0.1 U	0.2	0.2	0.2	--	77.3	299	37.8	37.6	--	--	--	--	--	--	1,940	--
	10/19/2004	N		--	< 0.1 U	1.4	3.3	< 0.005 U	--	1260	2970	105	255	--	--	--	--	--	--	1,560	--
	12/8/2004	N		--	< 0.01 U	0.2	3.7	< 0.005 U	--	26.3	235	< 0.01 U	176	--	--	--	--	--	--	1,640	8,840
	1/13/2005	N		--	< 0.01 U	0.04	0.04	< 0.005 U	--	25.5	26.2	1.89	1.98	--	--	--	--	--	--	1,420	5,090
	2/2/2005	N		--	< 0.1 U	1.7	2.1	< 0.05 U	--	429	398	18.6	17.1	--	--	--	--	--	--	1,610	9,800
	3/1/2005	N		--	< 0.1 U	0.1	0.2	< 0.1 U	--	192	198	10.5	17.6	--	--	--	--	--	--	1,720	12,200
	3/24/2005	N		--	1.3	0.1	0.1	< 0.005 U	--	132	132	5.9	6.2	--	--	--	--	--	--	1,140	7,090
	4/27/2005	N		--	< 0.01 U	0.2	0.22	< 0.1 U	--	< 0.4 U	< 0.4 U	3.68	4.24	--	--	--	--	--	--	1,100	7,490
	5/25/2005	N		--	< 0.01 U	0.02	0.03	< 0.02 U	--	27.3	33.5	0.4	0.5	--	--	--	--	--	--	1,080	6,700
	6/28/2005	N		--	< 0.05 U	0.16	0.16	< 0.05 U	--	288	305	5	5.4	--	--	--	--	--	--	1,080	6,510
	7/14/2005	N		--	< 0.01 U	0.12	0.13	< 0.05 U	--	< 0.4 U	< 0.4 U	3.29	3.6	--	--	--	--	--	--	1,080	7,190
	2/3/2006	N		--	0.0899	--	0.0466	--	< 0.02 U	--	2.94	6.98	6.98	11	< 5 U	8	< 15 U	< 6 U	< 45 U	1,080	4,580
	7/14/2006	N		--	0.0486	--	0.0183	--	< 0.02 U	--	< 0.2 U	5.04	5.04	< 1 U	< 1 U	< 1 U	< 3 U	1	0.055	1,170	4,170
	7/14/2006	FD		--	0.0526	--	0.0232	--	< 0.02 U	--	< 0.2 U	5.67	5.67	< 1 U	< 1 U	< 1 U	< 3 U	1.2	0.052	1,260	4,270
MW083SA	3/22/2007	N		--	0.0281	--	0.0189	--	0.08	--	1.29	2.55	2.55	6.2	< 1 U	< 1 U	< 3 U	0.43	< 0.05 U	1,080	--
	9/6/2007	N		--	0.0204	--	< 0.015 U	--	< 0.5 U	--	0.2	2.01	2.01	1.8	< 1 U	< 1 U	< 3 U	0.51	< 0.05 U	1,090	--
	3/25/2008	N		--	< 0.02 U	--	< 0.015 U	--	< 0.2 U	--	0.456	1.26	1.26	< 5 U	< 5 U	< 5 U	< 15 U	0.69	< 0.25 U	1,160	3,520
	8/6/2008	N		--	< 0.02 U	--	0.0195	--	< 0.02 U	--	< 0.2 U	0.0103	0.0103	< 1 U	< 1 U	< 1 U	< 3 U	0.46	< 0.05 U	1,710	3,780
	3/18/2009	N		--	< 0.02 U	--	< 0.015 U	--	< 0.02 U	--	8.65	1.12	1.12	< 1 U	< 1 U	< 1 U	< 3 U	0.36	< 0.05 U	1,470	4,020
	8/17/2009	N		--	< 0.02 U	--	< 0.015 U	--	< 0.02 U	--	0.52	1.09	1.09	< 1 U	< 1 U	< 1 U	< 3 U	0.42	< 0.05 U	1,980	4,170
	3/3/2010	N		--	< 0.05 U	--	< 0.05 U	--	< 0.01 U	--	0.108	0.464	0.464	< 1 U	< 2 U	< 1 U	< 1 U	0.289	< 0.05 U	241	3,530
	8/4/2010	N		--	0.022	--	< 0.05 U	--	< 0.01 U	--	4.49	0.536	0.536	< 1 U	< 2 U	< 1 U	< 1 U	0.381	< 0.05 U	1,360	3,740
	5/11/2012	N		< 0.0100 U	--	< 0.0100 U	--	--	< 0.0100 U	< 0.200 U	--	< 0.0200 U	--	< 1.00 U	< 2.00 U	< 1.00 U	< 1.00 U	--	--	1160 J	3,460
	10/31/2012	N		--	< 0.0100 U	--	< 0.0100 U	--	< 0.0100 U	--	< 0.200 U	< 0.0200 U	< 0.0200 U	< 1.00 U	< 2.00 U	< 1.00 U	< 1.00 U	--	--	1,160	3,450
	5/6/2013	N		< 0.0200 U	--	< 0.0100 UJ	--	--	0.00700 J	0.0433 J	--	2.46	--	< 1.00 U	< 2.00 U	< 1.00 U	< 1.00 U	--	--	1,550	3,700
	10/31/2013	N		< 0.0200 U	--	< 0.0100 U	--	--	< 0.0100 U	0.0594 J	--	0.246	--	< 1.00 U	< 2.00 U	< 1.00 U	< 1.00 U	--	--	729	2,870
	5/14/2014	N		0.0167 J	--	0.00157 J	--	--	< 0.0100 U	< 0.200 U	--	0.0454	--	< 1.00 U	< 2.00 U	< 1.00 U	< 1.00 U	--	--	1060 J	3,430
	11/11/2014	N		< 0.0200 U	--	0.00185 J	--	--	< 0.0100 U	< 0.200 U	--	0.142	--	< 1.00 U	< 2.00 U	< 1.00 U	< 1.00 U	--	--	709	2,830
	5/15/2015	N		0.00861 J	--	< 0.0100 U	--	--	< 0.0100 U	< 0.200 U	--	0.174	--	< 1.00 U	< 2.00 U	< 1.00 U	< 1.00 U	--	--	788	2,270
	11/10/2015	N		0.0135 J	--	0.00339 J	--	--	< 0.0100 U	< 0.200 U	--	0.215	--	--	--	--	--	--	--	709	2,200
	5/17/2016	N		0.017	--	< 0.00136 U	--	< 0.00548 U	--	--	--	--	--	--	--	--	--	--	--	1,060	4,880
	9/19/2016	N		< 0.00336 U	--	0.0107	--	< 0.01 U	--	0.136 J	--	0.193	--	--	--	--	--	--	--	1,240	3,850
	5/8/2017	N		0.0115	--	0.00703	--	< 0.01 U	--	0.867	--	0.0785	--	--	--	--	--	--	--	1,510	3,780
	3/24/2004	N		--	< 0.01 U	0.08	0.08	0.069	--	< 0.1 U	3.8	< 0.05 U	0.1	< 2 U	< 2 U	< 2 U	< 6 U	< 0.29 U	< 0.05 U	1,800	4,380
	6/7/2004	N		--	< 0.01 U	0.09	0.1	0.18	--	< 0.1 U	1	< 0.05 U	< 0.05 U	--	--	--	--	--	--	1,100	--
MW084SA	7/22/2004	N		--	< 0.01 U	0.1	0.11	0.063	--	1.2	2.1	< 0.05 U	< 0.05 U	--	--	--	--	--	--	2,800	--
	8/24/2004	N		--	< 0.01 U	0.09	0.1	0.092	--	< 0.25 U	3.43	< 0.01 U	0.07	--	--	--	--	--	--	2,500	--

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Location ID	Sample Date	Sample Type	Chemical Name	Dissolved Arsenic	Total Arsenic	Dissolved Chromium	Total Chromium	Dissolved Chromium, Hexavalent	Total Chromium, Hexavalent	Dissolved Iron	Total Iron	Dissolved Manganese	Total Manganese	Benzene	Toluene	Ethylbenzene	Total Xylenes	DRO	GRO	Chloride	TDS
			Units	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	ug/l	ug/l	ug/l	ug/l	mg/l	mg/l	mg/l	mg/l
			NMWQCC Standard	0.01	0.01	0.05	0.05	0.05	0.05	1	1	0.2	0.2	5	1,000	700	620			250	1000
	10/20/2004	N		--	< 0.01 U	0.1	0.1	0.079	--	< 0.1 U	0.2	< 0.05 U	< 0.05 U	--	--	--	--	--	--	1,990	--
	12/9/2004	N		--	< 0.01 U	0.1	0.1	0.08	--	< 4 U	< 0.4 U	< 0.01 U	0.01	--	--	--	--	--	--	2,490	6,020
	1/13/2005	N		--	< 0.01 U	0.09	0.1	0.093	--	< 0.4 U	1.61	< 0.01 U	0.02	--	--	--	--	--	--	2,320	5,160
	2/3/2005	N		--	< 0.01 U	0.09	0.09	0.09	--	0.78	< 0.4 U	0.02	0.02	--	--	--	--	--	--	1,800	--
	3/2/2005	N		--	< 0.01 U	0.09	0.17	0.06	--	< 0.4 U	0.58	< 0.01 U	0.01	--	--	--	--	--	--	1,890	4,510
	3/24/2005	N		--	< 0.01 U	0.1	0.1	0.08	--	< 0.4 U	2.26	< 0.01 U	0.04	--	--	--	--	--	--	2,000	4,670
	4/27/2005	N		--	< 0.01 U	0.11	0.11	0.12	--	< 0.4 U	0.6	< 0.01 U	< 0.01 U	--	--	--	--	--	--	2,330	5,520
	5/24/2005	N		--	< 0.01 U	0.1	0.1	0.11	--	< 0.4 U	0.59	< 0.01 U	0.01	--	--	--	--	--	--	1,860	4,510
	6/28/2005	N		--	< 0.01 U	0.09	0.09	0.24	--	< 0.4 U	< 0.4 U	< 0.01 U	< 0.01 U	--	--	--	--	--	--	2,220	5,090
	7/18/2005	N		--	< 0.01 U	0.1	0.11	0.14	--	< 0.4 U	< 0.4 U	< 0.01 U	< 0.01 U	--	--	--	--	--	--	2,070	4,870
	7/19/2005	N		--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	2/3/2006	N		--	< 0.02 U	--	0.151	--	0.16	--	< 0.2 U	< 0.005 U	< 0.005 U	< 1 U	< 1 U	< 1 U	< 3 U	< 0.6 U	< 0.6 U	2,500	5,600
	7/14/2006	N		--	< 0.02 U	--	0.129	--	0.13	--	< 0.2 U	< 0.005 U	< 0.005 U	< 1 U	< 1 U	< 1 U	< 3 U	0.14	< 0.05 U	1,720	4,140
	3/21/2007	N		--	< 0.02 U	--	0.187	--	0.15	--	< 0.2 U	< 0.005 U	< 0.005 U	< 1 U	< 1 U	< 1 U	< 3 U	0.12	< 0.05 U	2,090	--
	9/6/2007	N		--	< 0.02 U	--	0.192	--	0.18	--	< 0.2 U	< 0.005 U	< 0.005 U	< 1 U	< 1 U	< 1 U	< 3 U	0.13	< 0.05 U	2,290	--
	3/25/2008	N		--	< 0.02 U	--	0.192	--	0.2	--	< 0.2 U	< 0.005 U	< 0.005 U	< 1 U	< 1 U	< 1 U	< 3 U	0.15	< 0.05 U	2,720	4,860
	8/5/2008	N		--	< 0.02 U	--	0.18	--	0.17	--	< 0.2 U	< 0.005 U	< 0.005 U	< 1 U	< 1 U	< 1 U	< 3 U	0.3	< 0.05 U	2,430	5,720
MW084SA	3/17/2009	N		--	< 0.02 U	--	0.176	--	0.17	--	< 0.2 U	< 0.005 U	< 0.005 U	< 1 U	< 1 U	< 1 U	< 3 U	0.15	< 0.05 U	2,530	5,310
	8/13/2009	N		--	0.0229	--	0.0982	--	0.11	--	< 0.2 U	< 0.005 U	< 0.005 U	< 1 U	< 1 U	< 1 U	< 3 U	0.21	< 0.05 U	1,980	4,760
	3/2/2010	N		--	< 0.05 U	--	0.14	--	0.157	--	0.133	< 0.050 U	< 0.050 U	< 1 U	< 2 U	< 1 U	< 1 U	0.178	< 0.05 U	2,350	6,280
	8/3/2010	N		--	0.02	--	0.102	--	0.127	--	< 0.1 U	< 0.050 U	< 0.050 U	< 1 U	< 2 U	< 1 U	< 1 U	0.25	< 0.05 U	2,140	5,550
	5/11/2012	N		< 0.0100 U	--	0.0405	--	--	0.0397	< 0.200 U	--	< 0.0200 U	--	< 1.00 U	< 2.00 U	< 1.00 U	< 1.00 U	--	--	1180 J	3,540
	10/30/2012	N		--	< 0.0100 U	--	0.0388	--	0.0377	--	< 0.200 U	< 0.0200 U	< 0.0200 U	< 1.00 U	< 2.00 U	< 1.00 U	< 1.00 U	--	--	1,190	3,350
	5/6/2013	N		0.0101 J	--	0.036	--	--	0.0294	0.0294 J	--	< 0.0200 U	--	< 1.00 U	< 2.00 U	< 1.00 U	< 1.00 U	--	--	1,010	3,150
	10/30/2013	N		0.0164 J	--	0.0291	--	--	0.0239	< 0.200 U	--	0.0533	--	< 1.00 U	< 2.00 U	< 1.00 U	< 1.00 U	--	--	1,060	3,030
	5/14/2014	N		0.0164 J	--	0.0241	--	--	0.0186	< 0.200 U	--	0.00379 J	--	< 1.00 U	< 2.00 U	< 1.00 U	< 1.00 U	--	--	1070 J	3,070
	11/11/2014	N		< 0.0200 U	--	0.024	--	--	0.0218	< 0.200 U	--	< 0.0200 U	--	< 1.00 U	< 2.00 U	< 1.00 U	< 1.00 U	--	--	975	3,100
	5/15/2015	N		0.0179 J	--	0.0228	--	--	0.0269	< 0.200 U	--	< 0.0200 U	--	< 1.00 U	< 2.00 U	< 1.00 U	< 1.00 U	--	--	1,050	2,980
	11/10/2015	N		0.0227	--	0.0278	--	--	0.0216	< 0.200 U	--	< 0.0200 U	--	--	--	--	--	--	--	1,020	2,960
	5/17/2016	N		0.0144	--	0.0255	--	0.0333	--	--	--	--	--	--	--	--	--	--	--	1,910	6,790
	9/19/2016	N		< 0.00336 U	--	0.0212	--	0.0103	--	0.0067 J	--	0.0163 J	--	--	--	--	--	--	--	1,560	4,200
	5/8/2017	N		0.0108	--	0.0328	--	0.0313	--	0.0341	--	< 0.002 U	--	--	--	--	--	--	--	1,210	2,980
	9/20/2017	N		0.0098	--	0.0165	--	0.0112	--	< 0.1 U	--	0.00181 J	--	--	--	--	--	--	--	1,610	3,970
	3/22/2018	Reg		--	0.00734	--	0.0126	--	< 0.0100 U	0.324	--	--	0.0115	--	--	--	--	--	--	1,400	3,890
	9/11/2018	Reg		0.00938	--	0.0168	--	0.00860 J	--	--	< 0.100 U	0.0029	--	--	--	--	--	--	--	1,370	3,060
	3/25/2004	N		--	< 0.01 U	0.21	0.16	0.09	--	0.2	2.8	< 0.05 U	< 0.05 U	< 2 U	< 2 U	< 2 U	< 6 U	< 0.26 U	< 0.05 U	1,180	3,600
	6/7/2004	N		--	< 0.01 U	< 0.01 U	< 0.01 U	< 0.005 U	--	< 0.25 U	< 0.25 U	< 0.01 U	< 0.01 U	--	--	--	--	--	--	1,660	--
	6/8/2004	N		--	--	0.06	--	--	--	< 0.1 U	--	< 0.05 U	--	--	--	--	--	--	--	--	--
	7/22/2004	N		--	< 0.01 U	< 0.05 U	< 0.05 U	0.005	--	< 0.1 U	0.5	< 0.05 U	< 0.05 U	--	--	--	--	--	--	1,700	--
	8/23/2004	N		--	< 0.01 U	0.01	0.01	0.008	--	< 0.25 U	< 0.25 U	< 0.01 U	0.01	--	--	--	--	--	--	1,740	--
	10/20/2004	N		--	< 0.01 U	< 0.05 U	< 0.05 U	0.01	--	< 0.1 U	0.1	< 0.05 U	< 0.05 U	--	--	--	--	--	--	1,680	--
	12/9/2004	N		--	< 0.01 U	0.14	0.09	0.099	--	< 0.4 U	< 0.4 U	< 0.01 U	< 0.01 U	--	--	--	--	--	--	1,510	3,820
	1/13/2005	N		--	< 0.01 U	0.09	0.07	< 0.1 U	--	< 0.4 U	0.44	< 0.01 U	< 0.01 U	--	--	--	--	--	--	1,600	4,060
	2/2/2005	N		--	< 0.01 U	0.08	0.1	0.006	--	< 0.4 U	< 0.4 U	< 0.01 U	< 0.01 U	--	--	--	--	--	--	1,520	4,200
	3/1/2005	N		--	< 0.01 U	0.01	0.01	0.017	--	< 0.4 U	0.41	0.02	0.02	--	--	--	--	--	--	1,720	3,930
	3/24/2005	N		--	< 0.01 U	0.14	0.03	0.085	--	< 0.4 U	< 0.4 U	0.02	0.04	--	--	--	--	--	--	1,350	3,630
	4/27/2005	N		--	< 0.01 U	0.12	0.07	0.05	--	< 0.4 U	< 0.4 U	0.05	0.04	--	--	--	--	--	--	1,390	3,750
	5/24/2005	N		--	< 0.01 U	0.13	0.14	0.04	--	< 0.4 U	< 0.4 U	0.03	0.03	--	--	--	--	--	--	1,330	3,690
	6/20/2005	N		--	< 0.01 U	0.12	0.04	0.04	--	< 0.4 U	< 0.4 U	0.02	0.02	--	--	--	--	--	--	1,580	4,080
	6/20/2005	FD		--	< 0.01 U	0.14	0.14	0.05	--	< 0.4 U	< 0.4 U	0.03	0.02	--	--	--	--	--	--	1,410	3,950
MW085SA	7/18/2005	N		--	< 0.01 U	0.23	0.1	0.31	--	< 0.4 U	< 0.4 U	0.06	0.03	--	--	--	--	--	--	1,610	4,030
	7/19/2005	N		--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	2/3/2006	N		--	< 0.02 U	--	0.103	--	< 0.02 U	--	0.89	0.24	0.24	< 1 U	< 1 U	< 1 U	< 3 U	< 3 U	< 12 U	1,480	3,940
	7/14/2006	N		--	< 0.02 U	--	0.0191	--	< 0.02 U	--	< 0.2 U	0.0221	0.0221	< 1 U	< 1 U	< 1 U	< 3 U	0.31	< 0.05 U	1,840	4,250
	3/21/2007	N		--	< 0.02 U	--	0.0256	--	< 0.02 U	--	1.52	0.0917	0.0917	< 1 U	< 1 U	< 1 U	< 3 U	0.48	< 0.05 U	1,380	--
	9/6/2007	N		--	< 0.02 U	--	0.0176	--	< 0.02 U	--	1.31	0.111	0.111	< 1 U	< 1 U	< 1 U	< 3 U	0.88	< 0.05 U	1,270	--
	3/25/2008	N		--	< 0.02 U	--	0.0266	--	< 0.02 U	--	< 0.2 U	0.0089	0.0089	< 1 U	< 1 U	< 1 U	< 3 U	0.49	< 0.05 U	1,740	4,150
	8/5/2008	N		--	< 0.02 U	--	0.0238	--	< 0.02 U	--	< 0.2 U	0.0061	0.0061	< 1 U	< 1 U	< 1 U	< 3 U	0.28	< 0.05 U	1,620	4,160
	3/18/2009	N		--	< 0.02 U	--	0.0199	--	< 0.02 U	--	0.435	0.197	0.197	< 1 U	< 1 U	< 1 U	< 3 U	7.2	< 0.05 U	1,160	3,450
	8/17/2009	N		--	< 0.02 U	--	0.0156	--	< 0.02 U	--	< 0.2 U	< 0.005 U	< 0.005 U	< 1 U	< 1 U	< 1 U	< 3 U	0.44	< 0.05 U	1,300	4,140
	3/3/2010	N		--	< 0.05 U	--	< 0.05 U	--	< 0.01 U	--	0.28	0.184	0.184	< 1 U	< 2 U	< 1 U	< 1 U	0.217	< 0.05 U	921	3,220
	8/4/2010	N		--	0.036	--	< 0.05 U	--	< 0.01 U	--	0.137	< 0.050 U	< 0.050 U	< 1 U	< 2 U	< 1 U	< 1 U	0.479	< 0.05 U	1,460	3,690

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Appendix E
Historical Analytical Data (through 2017)
2021 Annual Groundwater Monitoring Report
Former Eunice North Gas Plant

ARCADIS Design & Consultancy for natural and built assets

		Chemical Name	Dissolved Arsenic	Total Arsenic	Dissolved Chromium	Total Chromium	Dissolved Chromium, Hexavalent	Total Chromium, Hexavalent	Dissolved Iron	Total Iron	Dissolved Manganese	Total Manganese	Benzene	Toluene	Ethylbenzene	Total Xylenes	DRO	GRO	Chloride	TDS
		Units	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	ug/l	ug/l	ug/l	ug/l	mg/l	mg/l	mg/l	mg/l
		NMWQCC Standard	0.01	0.01	0.05	0.05	0.05	0.05	1	1	0.2	0.2	5	1,000	700	620			250	1000
Location ID	Sample Date	Sample Type																		
	5/11/2012	N	< 0.0100 U	--	< 0.0100 U	--	--	0.0895	0.98	--	0.737	--	< 1.00 U	< 2.00 U	< 1.00 U	< 1.00 U	--	--	646 J	2,400
	10/31/2012	N	--	< 0.0100 U	--	< 0.0100 U	--	< 0.0100 U	--	0.92	0.668	0.668	< 1.00 U	< 2.00 U	< 1.00 U	< 1.00 U	--	--	713	2,760
	5/6/2013	N	< 0.0200 U	--	< 0.0100 UJ	--	--	< 0.0100 U	< 0.200 U	--	0.476	--	< 1.00 U	< 2.00 U	< 1.00 U	< 1.00 U	--	--	594	2,560
	10/31/2013	N	0.00961 J	--	< 0.0100 U	--	--	< 0.0100 U	< 0.200 U	--	0.707	--	< 1.00 U	< 2.00 U	< 1.00 U	< 1.00 U	--	--	661	2,770
	5/14/2014	N	0.0138 J	--	0.00238 J	--	--	< 0.0100 U	0.0537 J	--	0.388	--	< 1.00 U	< 2.00 U	< 1.00 U	< 1.00 U	--	--	812 J	2,880
	11/11/2014	N	0.0127 J	--	< 0.0100 U	--	--	< 0.0100 U	< 0.200 U	--	0.499	--	< 1.00 U	< 2.00 U	< 1.00 U	< 1.00 U	--	--	596	2,670
	5/15/2015	N	0.0124 J	--	< 0.0100 U	--	--	< 0.0100 U	< 0.200 U	--	0.44	--	< 1.00 U	< 2.00 U	< 1.00 U	< 1.00 U	--	--	688	2,530
	5/15/2015	FD	0.00888 J	--	< 0.0100 U	--	--	< 0.0100 U	< 0.200 U	--	0.456	--	< 1.00 U	< 2.00 U	< 1.00 U	< 1.00 U	--	--	690	2,630
MW085SA	11/10/2015	N	0.0232	--	0.00401 J	--	--	< 0.0100 U	< 0.200 U	--	0.375	--	--	--	--	--	--	--	619	2,060
	5/17/2016	N	0.0182	--	0.0101	--	0.0124	--	--	--	--	--	--	--	--	--	--	--	1,300	4,000
	5/17/2016	FD	0.0206	--	0.0124	--	0.0123	--	--	--	--	--	--	--	--	--	--	--	1,340	4,230
	9/19/2016	N	< 0.00336 U	--	0.0269	--	0.0123	--	0.0189 J	--	0.0233	--	--	--	--	--	--	--	1,380	3,930
	5/8/2017	N	0.0111	--	0.0254	--	0.0244	--	< 0.02 U	--	0.00864	--	--	--	--	--	--	--	1,430	3,850
	9/20/2017	N	0.0124	--	0.0293	--	0.0182	--	< 0.1 U	--	0.0241	--	--	--	--	--	--	--	1,410	4,160
	3/22/2018	Reg	--	0.0142	--	0.0336	--	0.0126	0.0345	--	--	0.0332	--	--	--	--	--	--	1,470	4,090
	9/11/2018	Reg	0.014	--	0.0258	--	0.00280 J	--	--	0.177	0.115	--	--	--	--	--	--	--	1,650	3,270
	9/14/2004	N	--	< 0.01 U	< 0.05 U	< 0.05 U	< 0.005 U	--	< 0.1 U	0.1	< 0.05 U	< 0.05 U	--	--	--	--	--	--	2,290	--
	10/7/2004	N	--	--	--	--	--	--	--	--	--	--	< 2 U	< 2 U	< 2 U	< 6 U	< 0.25 U	< 0.05 U	--	--
	1/13/2005	N	--	< 0.01 U	0.02	0.02	0.017	--	< 0.4 U	< 0.4 U	< 0.01 U	< 0.01 U	--	--	--	--	--	--	2,120	5,050
	1/13/2005	FD	--	< 0.01 U	0.01	0.02	0.01	--	< 0.4 U	< 0.4 U	< 0.01 U	< 0.01 U	--	--	--	--	--	--	2,300	4,850
	6/2/2005	N	--	< 0.01 U	0.01	0.01	0.022	--	< 0.4 U	< 0.4 U	< 0.01 U	< 0.01 U	--	--	--	--	--	--	1,780	4,370
	1/27/2006	N	--	< 0.02 U	--	0.058	--	0.052	--	< 0.2 U	< 0.005 U	< 0.005 U	< 1 U	< 1 U	< 1 U	< 3 U	< 0.6 U	< 0.6 U	1,170	2,680
	7/12/2006	N	--	< 0.02 U	--	0.115	--	0.13	--	< 0.2 U	< 0.005 U	< 0.005 U	< 1 U	< 1 U	< 1 U	< 3 U	< 0.094 U	< 0.05 U	1,300	2,460
	4/11/2007	N	--	< 0.02 U	--	0.0787	--	0.075	--	< 0.2 U	< 0.005 U	< 0.005 U	< 1 U	< 1 U	< 1 U	< 3 U	< 0.097 U	< 0.05 U	1,220	--
	9/21/2007	N	--	< 0.02 U	--	0.121	--	0.12	--	< 0.2 U	< 0.005 U	< 0.005 U	< 1 U	3.2	8.9	< 3 U	< 0.095 U	< 0.05 U	1,010	--
	4/8/2008	N	--	< 0.02 U	--	0.0578	--	0.057	--	< 0.2 U	< 0.005 U	< 0.005 U	< 1 U	< 1 U	< 1 U	< 3 U	< 0.096 U	< 0.05 U	1,090	2,640
	8/19/2008	N	--	< 0.02 U	--	0.0762	--	0.078	--	< 0.2 U	< 0.005 U	< 0.005 U	< 1 U	< 1 U	1.1	< 3 U	< 0.1 U	< 0.05 U	1,250	2,900
	3/25/2009	N	--	< 0.02 U	--	0.0512	--	0.047	--	< 0.2 U	< 0.005 U	< 0.005 U	< 1 U	< 1 U	< 1 U	< 3 U	0.11	< 0.05 U	1,390	3,650
	8/10/2009	N	--	< 0.02 U	--	0.0601	--	0.063	--	< 0.2 U	< 0.005 U	< 0.005 U	< 1 U	< 1 U	< 1 U	< 1 U	0.12	< 0.05 U	1,330	4,120
	3/4/2010	N	--	< 0.05 U	--	0.055	--	0.074	--	0.314	< 0.050 U	< 0.050 U	< 1 U	< 1 U	< 1 U	< 1 U	0.105	< 0.05 U	1,490	3,780
MW086SA	8/5/2010	N	--	0.016	--	< 0.05 U	--	0.048	--	< 0.1 U	< 0.050 U	< 0.050 U	< 1 U	< 2 U	< 1 U	< 1 U	0.154	< 0.05 U	1,430	3,860
	5/8/2012	N	0.0167	--	< 0.0100 U	--	--	< 0.0100 U	< 0.200 U	--	< 0.0200 U	--	< 1.00 U	< 2.00 U	< 1.00 U	< 1.00 U	--	--	679	2,010
	11/1/2012	N	--	< 0.0100 U	--	< 0.0100 U	--	< 0.0100 U	--	< 0.200 U	0.0398	0.0398	< 1.00 U	< 2.00 U	< 1.00 U	< 1.00 U	--	--	831	2,130
	5/7/2013	N	0.00795 J	--	< 0.0100 U	--	--	< 0.0100 U	< 0.200 U	--	0.00506 J	--	< 1.00 U	< 2.00 U	< 1.00 U	< 1.00 U	--	--	851	1,970
	10/30/2013	N	0.0199 J	--	< 0.0100 U	--	--	< 0.0100 U	< 0.200 U	--	0.0895	--	< 1.00 U	< 2.00 U	< 1.00 U	< 1.00 U	--	--	656	2,190
	5/14/2014	N	0.0137 J	--	< 0.0100 U	--	--	< 0.0100 U	< 0.200 U	--	0.00416 J	--	< 1.00 U	< 2.00 U	< 1.00 U	< 1.00 U	--	--	605 J	2,090
	11/12/2014	N	0.0178 J	--	< 0.0100 U	--	--	< 0.0100 U	< 0.200 U	--	0.00433 J	--	< 1.00 U	< 2.00 U	< 1.00 U	< 1.00 U	--	--	514	1,660
	5/14/2015	N	0.00954 J	--	< 0.0100 U	--	--	< 0.0100 U	< 0.200 U	--	< 0.0200 U	--	< 1.00 U	< 2.00 U	< 1.00 U	< 1.00 U	--	--	531	1,550
	11/11/2015	N	0.0152 J	--	< 0.0100 U	--	--	< 0.0100 U	< 0.200 U	--	< 0.0200 U	--	--	--	--	--	--	--	765	2200 J
	5/18/2016	N	0.0216	--	0.0416	--	0.0432	--	--	--	--	--	--	--	--	--	--	--	1,040	2,540
	9/19/2016	N	< 0.00336 U	--	0.055	--	0.049	--	< 0.00616 U	--	< 0.000585 U	--	--	--	--	--	--	--	1,160	3,600
	5/9/2017	N	0.0103	--	0.0549	--	0.0084 J	--	0.241 J	--	0.00381	--	--	--	--	--	--	--	1,470	3,800
	9/20/2017	N	0.0111	--	0.0475	--	0.0464	--	0.515	--	0.0101	--	--	--	--	--	--	--	1,370	3,420
	3/22/2018	Reg	--	0.00957	--	0.039	--	0.0341	0.266	--	--	0.00512	--	--	--	--	--	--	1,260	2,640
	9/11/2018	Reg	0.0123	--	0.034	--	0.0255	--	--	< 0.100 U	0.00153 J	--	--	--	--	--	--	--	1,260	3,110
	9/14/2004	N	--	< 0.01 U	4.29	4.23	1.8	--	< 0.1 U	0.2	< 0.05 U	< 0.05 U	< 2 U	< 2 U	< 2 U	< 6 U	< 0.25 U	< 0.05 U	900	--
	10/5/2004	N	--	< 0.01 U	3.66	3.82	1.8	--	< 0.1 U	< 0.1 U	< 0.05 U	< 0.05 U	--	--	--	--	--	--	800	--
	11/9/2004	N	--	< 0.01 U	5.06	4.62	< 2 U	--	0.42	< 0.4 U	< 0.01 U	0.01	--	--	--	--	--	--	1,060	4,210
	12/16/2004	N	--	< 0.01 U	4.63	4.78	2	--	< 0.4 U	< 0.4 U	0.01	0.02	--	--	--	--	--	--	1,160	4,520
	1/13/2005	N	--	< 0.01 U	3.78	3.97	3.2	--	< 0.4 U	< 0.4 U	0.39	0.42	--	--	--	--	--	--	1,260	4,710
	2/8/2005	N	--	< 0.01 U	1.75	2.23	1.2	--	< 0.4 U	1	1.59	1.89	--	--	--	--	--	--	1,220	4,730
	3/8/2005	N	--	< 0.01 U	1.07	2.03	0.47	--	< 0.4 U	0.65	1.67	1.64	--	--	--	--	--	--	1,180	4,610
	4/6/2005	N	--	< 0.01 U	0.44	1.99	< 0.005 U	--	< 0.4 U	0.67	1.35	1.55	--	--	--	--	--	--	1,150	4,510
	5/11/2005	N	--	< 0.01 U	0.45	1.59	0.12	--	< 0.4 U	< 0.4 U	1.38	1.41	--	--	--	--	--	--	1,150	4,510
	6/7/2005	N	--	< 0.01 U	0.69	1.56	0.13	--	< 0.4 U	< 0.4 U	1.1	1.11	--	--	--	--	--	--	1,120	4,380
MW087A	7/6/2005	N	--	0.01	0.33	1.73	< 0.02 U	--	< 0.4 U	0.94	1.14	1.11	--	--	--	--	--	--	1,140	4,180
	8/2/2005	N	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	2/6/2006	N	--	0.0222	--	0.449	--	< 0.5 U	--	14.5	6.61	6.61	< 5 U	< 5 U	< 5 U	< 15 U	< 60 U	< 60 U	1,560	5,910
	7/18/2006	N	--	< 0.02 U	--	0.144	--	< 0.02 U	--	0.217	3.5	3.5	< 5 U	< 5 U	< 5 U	< 15 U	6.4	0.27	1,100	4,620
	4/13/2007	N	--	< 0.02 U	--	0.173	--	< 0.02 U	--	13	1.72	1.72	< 2 U	< 1 U	< 1 U	< 3 U	5.1	2.4	1,160	--
	4/15/2008	N	--	0.0276	--	0.187	--	< 1 U	--	4.27	1.4	1.4	< 5 U	< 5 U	< 5 U	< 15 U	4.8	< 0.25 U	1,550	4,520
	3/30/2009	N	--	0.0241	--	0.233	--	< 0.2 U	--	1.23	0.786	0.786	< 5 U	< 5 U	< 5 U	< 15 U	1.7	< 0.25 U	1,060	4,380

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ARCADIS Design & Consultancy for natural and built assets

		Chemical Name	Dissolved Arsenic	Total Arsenic	Dissolved Chromium	Total Chromium	Dissolved Chromium, Hexavalent	Total Chromium, Hexavalent	Dissolved Iron	Total Iron	Dissolved Manganese	Total Manganese	Benzene	Toluene	Ethylbenzene	Total Xylenes	DRO	GRO	Chloride	TDS
		Units	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	ug/l	ug/l	ug/l	ug/l	mg/l	mg/l	mg/l	mg/l
		NMWQCC Standard	0.01	0.01	0.05	0.05	0.05	0.05	1	1	0.2	0.2	5	1,000	700	620			250	1000
Location ID	Sample Date	Sample Type																		
	3/10/2010	N	--	< 0.05 U	--	0.095	--	0.316	--	0.064	0.261	0.261	< 1 U	< 1 U	< 1 U	< 1 U	0.522	0.072	35.5	3,500
	5/25/2012	N	< 0.0100 U	--	0.0996	--	--	0.0479	0.32	--	0.0216	--	< 1.00 U	< 2.00 U	< 1.00 U	< 1.00 U	--	--	1,170	3,860
	5/16/2013	N	0.0201	--	0.0596	--	--	0.0162	0.661	--	0.0851	--	< 1.00 U	< 2.00 U	< 1.00 U	< 1.00 U	--	--	1,120	2,450
	5/8/2014	N	< 0.0200 U	--	0.0351	--	--	< 0.0500 U	0.202	--	0.197	--	< 1.00 U	< 2.00 U	< 1.00 U	< 1.00 U	--	--	1,070	4,290

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			Chemical Name	Dissolved Arsenic	Total Arsenic	Dissolved Chromium	Total Chromium	Dissolved Chromium, Hexavalent	Total Chromium, Hexavalent	Dissolved Iron	Total Iron	Dissolved Manganese	Total Manganese	Benzene	Toluene	Ethylbenzene	Total Xylenes	DRO	GRO	Chloride	TDS
			Units	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	ug/l	ug/l	ug/l	ug/l	mg/l	mg/l	mg/l	mg/l
			NMWQCC Standard	0.01	0.01	0.05	0.05	0.05	0.05	1	1	0.2	0.2	5	1,000	700	620			250	1000
Location ID	Sample Date	Sample Type																			
MW087A	6/3/2015	N		**0.0143 J**	--	**0.0326**	--	--	< 0.0500 U	< 0.200 UJ	--	**0.135**	--	< 1.00 U	< 2.00 U	< 1.00 U	< 1.00 U	--	--	**1,230**	**4,110**
	5/20/2016	N		**0.00396 J**	--	**0.0374**	--	< 0.00548 U	--	--	--	--	--	--	--	--	--	--	--	**1,010**	**3,530**
	5/4/2017	N		**0.00338**	--	**0.0478**	--	< 0.01 U	--	**1.12**	--	**0.548**	--	--	--	--	--	--	--	**1,210**	**3,550**
	4/4/2018	Reg		--	**0.00115 J**	--	**0.0265**	--	< 0.0100 U	**1.18**	--	--	**0.281**	--	--	--	--	--	--	**1,270**	**4,040**
MW088M	9/13/2004	N		--	--	--	--	--	--	--	--	--	--	< 40 U	< 40 U	< 40 U	< 100 U	**39**	**7**	--	--
	9/18/2004	N		--	< 0.01 U	**0.37**	**0.53**	< 0.05 U	--	**216**	**259**	< 0.05 U	< 0.05 U	--	--	--	--	--	--	**670**	--
	10/7/2004	N		--	< 0.1 U	**1.2**	**1.1**	< 0.1 U	--	**585**	**584**	**72.8**	**73.4**	--	--	--	--	--	--	**1,180**	--
	11/10/2004	N		--	< 0.1 U	**0.05**	**1**	< 1 U	--	--	**666**	**2.71**	**64.7**	--	--	--	--	--	--	**1,080**	**15,900**
	12/28/2004	N		--	< 0.1 U	**0.8**	**0.9**	< 0.01 U	--	**724**	**695**	**63.8**	**62.4**	--	--	--	--	--	--	**1,220**	**12,000**
	1/19/2005	N		--	< 0.01 U	**7.6**	**0.76**	< 0.05 U	--	**900**	**942**	< 0.1 U	< 0.01 U	--	--	--	--	--	--	**1,440**	**21,400**
	2/10/2005	N		--	< 0.1 U	**0.7**	**1**	< 0.05 U	--	**747**	**856**	**53.2**	**62.3**	--	--	--	--	--	--	**1,300**	**19,900**
	3/10/2005	N		--	< 0.1 U	**0.6**	**0.9**	< 0.005 U	--	**482**	**681**	**34.5**	**47.5**	--	--	--	--	--	--	**930**	**15,400**
	4/13/2005	N		--	< 0.1 U	**0.5**	**0.7**	< 0.05 U	--	**464**	**742**	**33.6**	**49.5**	--	--	--	--	--	--	**930**	**16,000**
	5/17/2005	N		--	< 0.1 U	**1.2**	**4**	< 0.05 U	--	**497**	**626**	**31.9**	**38.2**	--	--	--	--	--	--	**1,230**	**41,500**
	5/31/2005	N		--	< 0.01 U	**0.52**	**0.6**	< 0.1 U	--	**36.7**	**44.2**	**4.82**	**5.07**	--	--	--	--	--	--	**670**	**4,010**
	7/12/2005	N		--	< 0.05 U	**0.68**	**0.7**	< 0.05 U	--	< 2 U	< 2 U	**45**	**43.2**	--	--	--	--	--	--	**1,140**	**23,700**
	2/6/2006	N		--	**0.144**	--	**0.691**	--	< 2 U	--	**1330**	**36**	**36**	< 100 U	< 100 U	< 100 U	< 300 U	< 1200 U	< 4000 U	**626**	**24,900**
	7/20/2006	N		--	< 0.02 U	--	**0.108**	--	< 0.02 U	--	**0.405**	**2.12**	**2.12**	< 1 U	< 1 U	< 1 U	< 3 U	< 4.8 U	< 0.05 U	**879**	**3,980**
	4/5/2007	N		--	< 0.02 U	--	**0.0346**	--	< 0.02 U	--	**2.44**	**0.0385**	**0.0385**	< 5 U	< 1 U	< 1 U	< 3 U	< 0.11 U	< 0.05 U	**701**	--
	4/21/2008	N		--	**0.154**	--	**0.273**	--	< 2.0 U	--	**1420**	**58.7**	**58.7**	< 20 U	< 20 U	< 20 U	< 60 U	**71**	**4.7**	**801**	**21,000**
	4/1/2009	N		--	**0.117**	--	**0.186**	--	< 2 U	--	**1030**	**52.7**	**52.7**	< 50 U	< 50 U	< 50 U	< 150 U	**1500**	**4.9**	**720**	**17,100**
	3/11/2010	N		--	< 0.5 U	--	< 0.500 U	--	**0.124**	--	**261**	**50**	**50**	< 5 U	< 5 U	< 5 U	< 5 U	**69.6**	**0.949**	**509**	**11,000**
	5/22/2012	N		**0.158**	--	**0.122**	--	--	**0.117**	**14.1**	--	**15.6**	--	< 1.00 U	< 2.00 U	< 1.00 U	< 1.00 U	--	--	**918**	**8,290**
	5/21/2013	N		**0.0825**	--	**0.143**	--	--	< 0.200 U	**32.3**	--	**13.2**	--	< 1.00 U	< 2.00 U	< 1.00 U	< 1.00 U	--	--	**809**	**7,040**
	5/9/2014	N		**0.0354**	--	**0.126**	--	--	< 0.0500 U	**9.15**	--	**9.81**	--	< 1.00 U	< 2.00 U	< 1.00 U	< 1.00 U	--	--	**826**	**6,000**
	5/22/2015	N		**0.0424**	--	**0.15**	--	--	< 0.200 U	**9.08**	--	**4.17**	--	< 1.00 U	< 2.00 U	< 1.00 U	< 1.00 U	--	--	**962**	**4,770**
	5/13/2016	N		**0.0324**	--	**0.176**	--	< 0.0548 U	--	--	--	--	--	--	--	--	--	--	--	**923**	**2,790**
	5/5/2017	N		**0.0235**	--	**0.165**	--	< 0.01 U	--	**0.688**	--	**0.798**	--	--	--	--	--	--	--	**942**	**3,300**
	9/22/2017	N		**0.0304**	--	**0.194**	--	< 0.01 U	--	**7.5**	--	**0.931**	--	--	--	--	--	--	--	**820**	**3,100**
	4/4/2018	Reg		--	**0.0286**	--	**0.164**	--	< 0.0100 U	**7.59**	--	--	**0.788**	--	--	--	--	--	--	**876**	**3,290**
	9/13/2018	Reg		**0.0234**	--	**0.157**	--	< 0.0100 U	--	--	**1.99**	**0.994**	--	--	--	--	--	--	--	**1,760**	**3,200**
MW089SA	2/9/2006	N		--	< 0.02 U	--	**1.36**	--	**0.95**	--	**0.284**	**0.0131**	**0.0131**	< 1 U	< 1 U	< 1 U	< 3 U	< 0.6 U	< 0.6 U	**709**	**2,810**
	2/9/2006	FD		--	< 0.02 U	--	**1.19**	--	**0.96**	--	**0.213**	**0.0104**	**0.0104**	< 1 U	< 1 U	< 1 U	< 3 U	< 0.6 U	< 0.6 U	**744**	**2,880**
	7/21/2006	N		--	< 0.02 U	--	**1.11**	--	**1.1**	--	< 0.2 U	< 0.005 U	< 0.005 U	< 1 U	< 1 U	< 1 U	< 3 U	< 0.097 U	< 0.05 U	**787**	**3,220**
	7/21/2006	FD		--	< 0.02 U	--	**1.09**	--	**1.1**	--	< 0.2 U	< 0.005 U	< 0.005 U	< 1 U	< 1 U	< 1 U	< 3 U	< 0.096 U	< 0.05 U	**800**	**3,200**
	4/4/2007	N		--	< 0.02 U	--	**0.591**	--	**1**	--	< 0.2 U	**0.0056**	**0.0056**	< 1 U	< 1 U	< 1 U	< 3 U	< 0.097 U	< 0.05 U	**785**	--
	4/9/2008	N		--	< 0.02 U	--	**1.15**	--	**1.1**	--	< 0.2 U	**0.0118**	**0.0118**	< 1 U	< 1 U	< 1 U	< 3 U	< 0.11 U	< 0.05 U	**909**	**3,850**
	3/26/2009	N		--	< 0.02 U	--	**1.07**	--	**1.1**	--	< 0.2 U	< 0.005 U	< 0.005 U	< 1 U	< 1 U	< 1 U	< 3 U	< 0.10 U	< 0.05 U	**1,010**	**3,790**
	3/8/2010	N		--	< 0.05 U	--	**1.24**	--	**1.24**	--	< 0.03 U	< 0.050 U	< 0.050 U	< 1 U	< 1 U	< 1 U	< 1 U	< 0.056 U	< 0.05 U	**714**	**3,780**
	5/22/2012	N		< 0.0100 U	--	**0.0226**	--	--	**0.0195**	< 0.200 U	--	< 0.0200 U	--	< 1.00 U	< 2.00 U	< 1.00 U	< 1.00 U	--	--	**119**	**1,060**
	5/22/2012	FD		< 0.0100 U	--	**0.022**	--	--	**0.0177**	< 0.200 U	--	< 0.0200 U	--	< 1.00 U	< 2.00 U	< 1.00 U	< 1.00 U	--	--	**122**	**1,010**
	9/6/2012	N		--	--	--	**0.0279**	--	**0.027**	< 0.200 U	< 0.200 U	--	--	--	--	--	--	--	--	--	--
	5/15/2013	N		< 0.0200 U	--	**0.0381**	--	--	**0.0299**	< 0.200 U	--	< 0.0200 U	--	< 1.00 U	< 2.00 U	< 1.00 U	< 1.00 U	--	--	**102**	**831**
	10/24/2013	N		--	--	--	**1.17**	--	**1.16 J**	< 0.200 U	< 0.200 U	--	--	--	--	--	--	--	--	--	--
	5/27/2014	N		< 0.0200 U	--	**0.0261**	--	--	**0.022**	< 0.200 U	--	< 0.0200 U	--	< 1.00 U	< 2.00 U	< 1.00 U	< 1.00 U	--	--	**170**	**1,150**
	5/27/2014	FD		< 0.0200 U	--	**0.0261**	--	--	**0.0216**	< 0.200 U	--	< 0.0200 U	--	< 1.00 U	< 2.00 U	< 1.00 U	< 1.00 U	--	--	**169**	**1,150**
	6/1/2015	N		< 0.0200 U	--	**0.0238**	--	--	**0.0186**	< 0.200 U	--	< 0.0200 U	--	< 1.00 U	< 2.00 U	< 1.00 U	< 1.00 U	--	--	**172**	**1,170**
	5/19/2016	N		**0.0152**	--	**1.34**	--	**1.14**	--	--	--	--	--	--	--	--	--	--	--	**815**	**2,700**
	5/4/2017	N		**0.0101**	--	**1.15**	--	**1.02**	--	< 0.02 U	--	< 0.002 U	--	--	--	--	--	--	--	**948**	**3,160**
	9/22/2017	N		**0.0112**	--	**1.24**	--	**1.26**	--	< 0.1 U	--	**0.000274 J**	--	--	--	--	--	--	--	**905**	**4,240**
	4/4/2018	Reg		--	**0.0102**	--	**1.14**	--	**1.02**	< 0.100 U	--	--	**0.000901 J**	--	--	--	--	--	--	**1,020**	**3,730**
	9/14/2018	Reg		**0.0109**	--	**1.18**	--	**1.04**	--	--	< 0.100 U	**0.000448 J**	--	--	--	--	--	--	--	**1,040**	**3,780**
MW090SA	2/9/2006	N		--	< 0.02 U	--	**0.437**	--	**0.45**	--	< 0.2 U	< 0.005 U	< 0.005 U	< 1 U	< 1 U	< 1 U	< 3 U	< 0.6 U	< 0.6 U	**575**	**2,870**
	7/21/2006	N		--	< 0.02 U	--	**0.42**	--	**0.52**	--	< 0.2 U	< 0.005 U	< 0.005 U	< 1 U	< 1 U	< 1 U	< 3 U	< 0.097 U	< 0.05 U	**630**	**2,990**
	4/3/2007	N		--	< 0.02 U	--	**0.484**	--	**0.49**	--	< 0.2 U	**0.0051**	**0.0051**	< 1 U	< 1 U	< 1 U	< 3 U	< 0.099 U	< 0.05 U	**633**	--
	4/14/2008	N		--	< 0.02 U	--	**0.569**	--	**0.59**	--	< 0.2 U	< 0.005 U	< 0.005 U	< 1 U	< 1 U	< 1 U	< 3 U	< 0.11 U	< 0.05 U	**650**	**3,100**
	3/17/2009	N		--	< 0.02 U	--	**0.634**	--	**0.54**	--	< 0.2 U	< 0.005 U	< 0.005 U	< 1 U	< 1 U	< 1 U	< 3 U	< 0.098 U	< 0.05 U	**652**	**3,230**
	8/11/2009	N		--	< 0.02 U	--	**0.58**	--	**0.52**	--	< 0.2 U	< 0.005 U	< 0.005 U	< 1 U	< 1 U	< 1 U	< 3 U	< 0.096 U	< 0.05 U	**648**	**3,290**
	3/2/2010	N		--	< 0.05 U	--	**0.488**	--	**0.452**	--	**0.066**	< 0.050 U	< 0.050 U	< 1 U	< 2 U	< 1 U	< 1 U	< 0.058 U	< 0.05 U	**596**	**3,160**
	5/23/2012	N		< 0.0100 UJ	--	< 0.0100 U	--	--	< 0.0100 U	< 0.200 U	--	< 0.0200 U	--	< 1.00 U	< 2.00 U	< 1.00 U	< 1.00 U	--	--	**297**	**1,450**
	5/14/2013	N		< 0.0200 U	--	**0.00542 J**	--	--	< 0.0100 U	< 0.200 U	--	< 0.0200 U	--	< 1.00 U	< 2.00 U	< 1.00 U	< 1.00 U	--	--	**166**	**1,150**
	5/22/2014	N		< 0.0200 U	--	**0.00579 J**	--	--	< 0.0100 U	< 0.200 U	--	< 0.0200 UJ	--	< 1.00 U	< 2.00 U	< 1.00 U	< 1.00 U	--	--	**281**	**1,950**

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		Units	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	ug/l	ug/l	ug/l	ug/l	mg/l	mg/l	mg/l	mg/l
		NMWQCC Standard	0.01	0.01	0.05	0.05	0.05	0.05	1	1	0.2	0.2	5	1,000	700	620			250	1000
Location ID	Sample Date	Sample Type																		
	5/29/2015	N	**0.0135 J**	--	**0.00472 J**	--	--	< 0.0100 U	< 0.200 U	--	< 0.0200 U	--	< 1.00 U	< 2.00 U	< 1.00 U	< 1.00 U	--	--	**139**	**1,100**

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		Units	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	ug/l	ug/l	ug/l	ug/l	mg/l	mg/l	mg/l	mg/l
		NMWQCC Standard	0.01	0.01	0.05	0.05	0.05	0.05	1	1	0.2	0.2	5	1,000	700	620			250	1000
Location ID	Sample Date	Sample Type																		
MW090SA	5/19/2016	N	0.0239	--	0.185	--	0.171	--	--	--	--	--	--	--	--	--	--	--	491	2,840
	5/4/2017	N	0.0094	--	0.194	--	0.188	--	< 0.02 U	--	< 0.002 U	--	--	--	--	--	--	--	471	2,460
	5/4/2017	FD	0.00813	--	0.187	--	0.19	--	< 0.02 U	--	< 0.002 U	--	--	--	--	--	--	--	374	2,320
	4/4/2018	Reg	--	0.00926	--	0.263	--	0.258	< 0.100 U	--	--	0.000541 J	--	--	--	--	--	--	520	2,280
MW091SA	2/9/2006	N	--	< 0.02 U	--	0.746	--	0.67	--	< 0.2 U	0.0051	0.0051	< 1 U	< 1 U	< 1 U	< 3 U	< 0.6 U	< 0.6 U	679	2,530
	7/24/2006	N	--	< 0.02 U	--	0.856	--	0.77	--	< 0.2 U	< 0.005 U	< 0.005 U	< 1 U	< 1 U	< 1 U	< 3 U	< 0.095 U	< 0.05 U	732	2,920
	4/5/2007	N	--	< 0.02 U	--	1.05	--	1.1	--	< 0.2 U	0.0075	0.0075	< 1 U	< 1 U	< 1 U	< 3 U	< 0.099 U	< 0.05 U	864	--
	4/7/2008	N	--	< 0.02 U	--	1.16	--	0.57 *	--	< 0.2 U	< 0.005 U	< 0.005 U	< 1 U	< 1 U	< 1 U	< 3 U	< 0.1 U	< 0.05 U	819	2,970
	3/24/2009	N	--	< 0.02 U	--	0.821	--	0.88	--	< 0.2 U	< 0.005 U	< 0.005 U	< 1 U	< 1 U	< 1 U	< 3 U	< 0.1 U	< 0.05 U	834	3,540
	3/8/2010	N	--	< 0.05 U	--	0.912	--	0.851	--	< 0.03 U	< 0.050 U	< 0.050 U	< 1 U	< 1 U	< 1 U	< 1 U	< 0.054 U	< 0.05 U	672	3,360
	5/8/2012	N	< 0.0100 U	--	0.0567	--	--	0.051	< 0.200 U	--	< 0.0200 U	--	< 1.00 U	< 2.00 U	< 1.00 U	< 1.00 U	--	--	187	1,200
	5/21/2014	N	< 0.0200 U	--	0.12	--	--	0.124	< 0.200 U	--	< 0.0200 U	--	< 1.00 U	< 2.00 U	< 1.00 U	< 1.00 U	--	--	422	1,780
	5/7/2015	N	0.0115 J	--	0.14	--	--	0.141	< 0.200 U	--	0.00334 J	--	< 1.00 U	< 2.00 U	< 1.00 U	< 1.00 U	--	--	416	1,950
	5/19/2016	N	0.0268	--	0.876	--	0.87	--	--	--	--	--	--	--	--	--	--	--	701	3,300
	5/19/2016	FD	0.02	--	0.782	--	0.562	--	--	--	--	--	--	--	--	--	--	--	730	3,490
	5/5/2017	N	0.00905	--	0.786	--	0.687	--	< 0.02 U	--	< 0.002 U	--	--	--	--	--	--	--	780	3,340
MW092SA	2/9/2006	N	--	< 0.02 U	--	1.16	--	1	--	0.536	0.0102	0.0102	< 1 U	< 1 U	< 1 U	< 3 U	< 0.6 U	< 0.6 U	662	2,910
	7/24/2006	N	--	< 0.02 U	--	0.901	--	0.76	--	< 0.2 U	< 0.005 U	< 0.005 U	< 1 U	< 1 U	< 1 U	< 3 U	< 0.096 U	< 0.05 U	607	2,660
	4/5/2007	N	--	< 0.02 U	--	1.3	--	1.4	--	< 0.2 U	< 0.005 U	< 0.005 U	< 1 U	< 1 U	< 1 U	< 3 U	< 0.1 U	< 0.05 U	841	--
	4/8/2008	N	--	< 0.02 U	--	--	--	--	--	0.282	< 0.005 U	< 0.005 U	--	--	--	--	--	--	--	2,860
	4/9/2008	N	--	--	--	1.61	--	1.3	--	--	--	--	< 1 U	< 1 U	< 1 U	< 3 U	< 0.11 U	< 0.05 U	740	--
	3/24/2009	N	--	< 0.02 U	--	1.46	--	1.5	--	< 0.2 U	< 0.005 U	< 0.005 U	< 1 U	< 1 U	< 1 U	< 3 U	< 0.11 U	< 0.05 U	905	3,480
	3/8/2010	N	--	< 0.05 U	--	1.48	--	1.46	--	0.041	< 0.050 U	< 0.050 U	< 1 U	< 1 U	< 1 U	< 1 U	< 0.054 U	< 0.05 U	751	3,570
	5/11/2012	N	< 0.0100 U	--	0.0129	--	--	< 0.0100 U	< 0.200 U	--	< 0.0200 U	--	< 1.00 U	< 2.00 U	< 1.00 U	< 1.00 U	--	--	184 J	1,160
MW093SA	2/9/2006	N	--	< 0.02 U	--	0.689	--	0.62	--	1.66	0.0457	0.0457	< 1 U	< 1 U	< 1 U	< 3 U	< 0.6 U	< 0.6 U	684	2,820
	7/24/2006	N	--	< 0.02 U	--	0.477	--	0.42	--	< 0.2 U	0.0053	0.0053	< 1 U	< 1 U	< 1 U	< 3 U	0.11	< 0.05 U	564	2,580
	4/5/2007	N	--	< 0.02 U	--	0.615	--	0.97	--	0.883	0.0731	0.0731	< 1 U	< 1 U	< 1 U	< 3 U	0.34	< 0.05 U	732	--
	4/8/2008	N	--	< 0.02 U	--	--	--	--	--	< 0.2 U	< 0.005 U	< 0.005 U	--	--	--	--	--	--	--	3,000
	4/9/2008	N	--	--	--	1.96	--	1.7	--	--	--	--	< 1 U	< 1 U	< 1 U	< 3 U	< 0.11 U	< 0.05 U	831	--
	3/24/2009	N	--	< 0.02 U	--	2	--	2	--	< 0.2 U	< 0.005 U	< 0.005 U	< 1 U	< 1 U	< 1 U	< 3 U	< 0.11 U	< 0.05 U	949	3,750
	3/8/2010	N	--	< 0.05 U	--	2.37	--	2.42	--	0.052	< 0.050 U	< 0.050 U	< 1 U	< 1 U	< 1 U	< 1 U	0.143	< 0.05 U	877	3,960
	5/11/2012	N	< 0.0100 U	--	< 0.0100 U	--	--	< 0.0100 U	< 0.200 U	--	< 0.0200 U	--	< 1.00 U	< 2.00 U	< 1.00 U	< 1.00 U	--	--	244 J	1,050
	5/10/2013	N	< 0.0200 U	--	0.21	--	--	0.251	0.0278 J	--	< 0.0200 U	--	< 1.00 U	< 2.00 U	< 1.00 U	< 1.00 U	--	--	656	2,800
	5/10/2013	FD	< 0.0200 U	--	0.286	--	--	0.306	0.0204 J	--	< 0.0200 U	--	< 1.00 U	< 2.00 U	< 1.00 U	< 1.00 U	--	--	696	2,900
	5/21/2014	N	< 0.0200 U	--	< 0.0100 U	--	--	< 0.0100 U	< 0.200 U	--	0.0102 J	--	< 1.00 U	< 2.00 U	< 1.00 U	< 1.00 U	--	--	485	1,360
	5/7/2015	N	0.0135 J	--	0.00499 J	--	--	< 0.0100 U	< 0.200 U	--	0.0345	--	< 1.00 U	< 2.00 U	< 1.00 U	< 1.00 U	--	--	510	2,220
	5/19/2016	N	0.0268	--	0.71	--	0.723	--	--	--	--	--	--	--	--	--	--	--	796	3,660
	9/22/2017	N	0.00906	--	0.645	--	0.702	--	< 1 U	--	0.0478	--	--	--	--	--	--	--	857	3,880
	3/29/2018	Reg	--	0.00826	--	0.523	--	0.557	< 0.1	--	--	0.142	--	--	--	--	--	--	982	3,000
	9/14/2018	Reg	0.00859	--	0.494	--	0.504	--	--	< 0.100 U	0.019	--	--	--	--	--	--	--	914	3,440
MW094	5/25/2012	N	< 0.0100 U	--	0.0585	--	--	< 0.0100 U	< 0.200 U	--	< 0.0200 U	--	< 1.00 U	< 2.00 U	< 1.00 U	< 1.00 U	--	--	147	1,170
	10/31/2012	N	--	< 0.0100 U	--	< 0.0100 U	--	< 0.0100 U	--	< 0.200 U	< 0.0200 U	< 0.0200 U	< 1.00 U	< 2.00 U	< 1.00 U	< 1.00 U	--	--	161	1,350
	5/15/2013	N	0.00923 J	--	0.402	--	--	0.385	< 0.200 U	--	0.0143 J	--	< 1.00 U	< 2.00 U	< 1.00 U	< 1.00 U	--	--	297	2,400
	5/15/2013	FD	< 0.0200 U	--	0.399	--	--	0.395	< 0.200 U	--	0.0125 J	--	< 1.00 U	< 2.00 U	< 1.00 U	< 1.00 U	--	--	299	2,280
	11/1/2013	N	0.00855 J	--	0.138	--	--	0.127	< 0.200 U	--	0.0211	--	1.4	< 2.00 U	< 1.00 U	< 1.00 U	--	--	226	2,030
	5/9/2014	N	0.0141 J	--	< 0.0100 U	--	--	< 0.0100 U	< 0.200 U	--	< 0.0200 U	--	< 1.00 U	< 2.00 U	< 1.00 U	< 1.00 U	--	--	138	1,110
	11/5/2014	N	0.0219	--	0.00213 J	--	--	< 0.0100 U	< 0.200 U	--	< 0.0200 U	--	< 1.00 U	< 2.00 U	< 1.00 U	< 1.00 U	--	--	126	980
	5/20/2015	N	0.0188 J	--	0.738	--	--	0.746	< 0.200 UJ	--	0.00830 J	--	< 1.00 U	< 2.00 U	< 1.00 U	< 1.00 U	--	--	409	2,630
	11/5/2015	N	< 0.0200 UJ	--	0.00375 J	--	--	< 0.0100 U	< 0.200 U	--	< 0.0200 U	--	--	--	--	--	--	--	158	1,070
	5/13/2016	N	0.0755	--	1.81	--	1.8	--	--	--	--	--	--	--	--	--	--	--	1,130	4,030
	9/21/2016	N	< 0.00336 U	--	1.75	--	2.36	--	< 0.00616 U	--	0.0524	--	--	--	--	--	--	--	1,060	4,190
	5/11/2017	N	0.00835	--	1.62	--	1.72	--	0.0465	--	0.0363	--	--	--	--	--	--	--	873	4,000
	4/3/2018	Reg	--	0.0095	--	1.74	--	1.65	< 0.100 U	--	--	0.0140 J	--	--	--	--	--	--	960	3,390
MW095	5/25/2012	N	< 0.0100 U	--	4.46	--	--	4.68	< 0.200 U	--	0.0881	--	< 1.00 UJ	< 2.00 UJ	< 1.00 UJ	< 1.00 UJ	--	--	1,290	4,590
	5/25/2012	FD	< 0.0100 U	--	4.58	--	--	4.87	< 0.200 U	--	0.0802	--	< 1.00 UJ	< 2.00 UJ	< 1.00 UJ	< 1.00 UJ	--	--	1,300	4,540
	10/31/2012	N	--	< 0.0100 U	--	5.18	--	4.98	--	< 0.200 U	< 0.0200 U	< 0.0200 U	< 1.00 U	< 2.00 U	< 1.00 U	< 1.00 U	--	--	1,360	4,330
	5/15/2013	N	0.0130 J	--	4.81	--	--	4.83	< 0.200 U	--	0.0761	--	< 1.00 U	< 2.00 U	< 1.00 U	< 1.00 U	--	--	1,510	4,630
	11/6/2013	N	0.0187 J	--	4.28	--	--	4.31	< 0.200 U	--	0.0902	--	< 1.00 U	< 2.00 U	< 1.00 U	< 1.00 U	--	--	1,150	3,940
	5/9/2014	N	0.0266	--	3.83	--	--	3.76	< 0.200 U	--	0.109	--	< 1.00 U	< 2.00 U	< 1.00 U	< 1.00 U	--	--	1,290	4,340
	11/6/2014	N	0.0513	--	3.92	--	--	3.67	< 0.200 UJ	--	0.0905	--	< 1.00 U	< 2.00 U	< 1.00 U	< 1.00 U	--	--	1,330	4,950
	5/21/2015	N	0.0208	--	4.35	--	--	4.71	< 0.200 U	--	0.0734	--	< 1.00 U	< 2.00 U	< 1.00 U	< 1.00 U	--	--	1,500	5,320
	11/5/2015	N	< 0.0200 U	--	5.03	--	--	4.85	< 0.200 U	--	0.0423	--	--	--	--	--	--	--	1,540	4,160

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Appendix E
Historical Analytical Data (through 2017)
2021 Annual Groundwater Monitoring Report
Former Eunice North Gas Plant

ARCADIS Design & Consultancy for natural and built assets

		Chemical Name	Dissolved Arsenic	Total Arsenic	Dissolved Chromium	Total Chromium	Dissolved Chromium, Hexavalent	Total Chromium, Hexavalent	Dissolved Iron	Total Iron	Dissolved Manganese	Total Manganese	Benzene	Toluene	Ethylbenzene	Total Xylenes	DRO	GRO	Chloride	TDS
		Units	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	ug/l	ug/l	ug/l	ug/l	mg/l	mg/l	mg/l	mg/l
		NMWQCC Standard	0.01	0.01	0.05	0.05	0.05	0.05	1	1	0.2	0.2	5	1,000	700	620			250	1000
Location ID	Sample Date	Sample Type																		
	5/13/2016	N	**0.0705**	--	**4.49**	--	**4.65**	--	--	--	--	--	--	--	--	--	--	--	**1,460**	**4,170**

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Appendix E
Historical Analytical Data (through 2017)
2021 Annual Groundwater Monitoring Report
Former Eunice North Gas Plant

ARCADIS Design & Consultancy for natural and built assets

		Chemical Name	Dissolved Arsenic	Total Arsenic	Dissolved Chromium	Total Chromium	Dissolved Chromium, Hexavalent	Total Chromium, Hexavalent	Dissolved Iron	Total Iron	Dissolved Manganese	Total Manganese	Benzene	Toluene	Ethylbenzene	Total Xylenes	DRO	GRO	Chloride	TDS
		Units	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	ug/l	ug/l	ug/l	ug/l	mg/l	mg/l	mg/l	mg/l
		NMWQCC Standard	0.01	0.01	0.05	0.05	0.05	0.05	1	1	0.2	0.2	5	1,000	700	620			250	1000
Location ID	Sample Date	Sample Type																		
MW095	9/21/2016	N	< 0.00336 U	--	4.29	--	5.34	--	< 0.00616 U	--	0.0695	--	--	--	--	--	--	--	1,660	4,420
	9/21/2016	FD	< 0.00336 U	--	4.24	--	5.57	--	< 0.00616 U	--	0.0622	--	--	--	--	--	--	--	1,340	4,740
	5/11/2017	N	0.00731	--	4.07	--	4.06	--	0.0336	--	0.0688	--	--	--	--	--	--	--	1,650	6,570
	3/29/2018	Reg	--	0.00933	--	4.15	--	1.03	< 0.1	--	--	0.132	--	--	--	--	--	--	1,520	4,020
	9/13/2018	Reg	0.00984 J	--	3.93	--	3.62	--	--	< 0.500 U	0.14	--	--	--	--	--	--	--	1,380	3,650
MW096P	6/21/2012	N	--	< 0.0400 U	--	< 0.0400 U	--	--	--	--	--	--	< 1.00 U	< 1.00 U	< 1.00 U	< 1.00 U	--	--	--	--
	7/11/2012	N	--	--	--	0.0664	--	0.0229	--	--	--	--	--	--	--	--	--	--	--	--
	8/3/2012	N	--	--	--	0.0229	--	0.0133	--	--	--	--	--	--	--	--	--	--	--	--
	9/6/2012	N	--	--	--	< 0.0100 U	--	< 0.0100 U	< 0.200 U	< 0.200 U	--	--	--	--	--	--	--	--	--	--
	11/19/2012	N	--	--	--	0.0177	--	< 0.0100 U	< 0.200 U	< 0.200 U	--	--	--	--	--	--	--	--	--	--
	5/7/2014	N	0.0126 J	--	< 0.0100 U	--	--	< 0.0100 U	< 0.200 U	--	0.104	--	< 1.00 U	< 2.00 U	< 1.00 U	< 1.00 U	--	--	197	897
	5/28/2015	N	0.00874 J	--	< 0.0100 U	--	--	< 0.0100 U	< 0.200 U	--	0.0865	--	< 1.00 U	< 2.00 U	< 1.00 U	< 1.00 U	--	--	227	974
	5/19/2016	N	0.0117	--	0.118	--	0.119	--	--	--	--	--	--	--	--	--	--	--	242	1,200
	5/4/2017	N	0.0116	--	0.0615	--	0.0162	--	0.119	--	0.242	--	--	--	--	--	--	--	330	1,390
MW097P	6/21/2012	N	--	< 0.00400 U	--	< 0.00400 U	--	--	--	--	--	--	< 1.00 U	< 1.00 U	< 1.00 U	< 1.00 U	--	--	--	--
	7/10/2012	N	--	--	--	0.631	--	0.665	--	--	--	--	--	--	--	--	--	--	--	--
	9/5/2012	N	--	--	--	0.323	--	0.322	< 0.200 U	< 0.200 U	--	--	--	--	--	--	--	--	--	--
	11/19/2012	N	--	--	--	0.562	--	0.436	< 0.200 U	< 0.200 U	--	--	--	--	--	--	--	--	--	--
	5/7/2014	N	0.0111 J	--	< 0.0100 UJ	--	--	0.0284	< 0.200 U	--	0.452	--	< 1.00 U	< 2.00 U	< 1.00 U	< 1.00 U	--	--	535	2,110
	6/2/2015	N	0.00646 J	--	0.00454 J	--	--	< 0.0100 U	< 0.200 U	--	0.324	--	< 1.00 U	< 2.00 U	< 1.00 U	< 1.00 U	--	--	605	2,450
	5/19/2016	N	0.0109	--	0.456	--	0.346	--	--	--	--	--	--	--	--	--	--	--	855	3,880
	5/4/2017	N	0.00811	--	0.39	--	0.379	--	< 0.02 U	--	0.0722	--	--	--	--	--	--	--	1,010	3,760
	4/4/2018	Reg	--	0.00869	--	0.385	--	0.371	< 0.100 U	--	--	0.0554	--	--	--	--	--	--	965	3,670
MW099	12/12/2016	N	< 0.01 U	--	< 0.01 U	--	< 0.01 U	--	0.523	--	0.0249	--	--	--	--	--	--	--	63.2	520
	5/11/2017	N	0.0375	--	0.00134 J	--	< 0.01 U	--	0.0509 J	--	0.387	--	--	--	--	--	--	--	74	336
	9/21/2017	N	0.0297	--	< 0.00400 U	--	--	< 0.0100 U	0.0705 J	--	0.322	--	--	--	--	--	--	--	66.9	496
	3/29/2018	Reg	--	0.0124	--	< 0.00400 U	--	< 0.0100 U	0.0835	--	--	0.262	--	--	--	--	--	--	64.8	429
	3/29/2018	FD	--	0.012	--	< 0.00400 U	--	< 0.0100 U	0.0661	--	--	0.252	--	--	--	--	--	--	67.2	447
	9/13/2018	Reg	0.00898 J	--	< 0.0200 U	--	< 0.0100 U	--	--	< 0.500 U	0.219	--	--	--	--	--	--	--	64.6	496
MW100	12/12/2016	N	< 0.01 U	--	< 0.01 U	--	< 0.01 U	--	0.0211 J	--	0.39	--	--	--	--	--	--	--	172	722
	5/9/2017	N	0.00793	--	0.00191 J	--	< 0.01 U	--	0.151 J	--	0.184	--	--	--	--	--	--	--	690	1,780
	5/9/2017	FD	0.00873	--	0.00209 J	--	< 0.01 U	--	0.212 J	--	0.246	--	--	--	--	--	--	--	632	1,700
	9/20/2017	N	0.0129	--	0.00223 J	--	< 0.01 U	--	0.528	--	0.124	--	--	--	--	--	--	--	667 J	1640 J
	9/20/2017	FD	0.0139	--	0.00125 J	--	< 0.01 U	--	0.426	--	0.116	--	--	--	--	--	--	--	216 J	760 J
	3/22/2018	Reg	--	0.00858	--	< 0.00400 U	--	< 0.0100 U	0.0727	--	--	0.172	--	--	--	--	--	--	743	2,200
	9/11/2018	Reg	0.00935	--	< 0.00400 U	--	< 0.0100 U	--	--	0.0583 J	0.253	--	--	--	--	--	--	--	789	1,640
	9/11/2018	FD	0.00906	--	< 0.00400 U	--	< 0.0100 U	--	--	0.0569 J	0.223	--	--	--	--	--	--	--	865	1,730
ROLANDWW	9/29/1997	N	< 0.10 U	--	0.16	--	--	--	--	--	--	--	--	--	--	--	--	--	1,100	2,700
	1/19/1999	N	< 0.1 U	--	< 0.05 U	--	--	--	--	--	--	--	--	--	--	--	--	--	920	2,300
RW001	2/17/1999	N	--	--	1.3	--	--	--	--	--	--	--	< 1 U	< 1 U	< 1 U	< 1 U	--	--	910	3,600
	2/18/1999	N	--	--	1.4 1.4	--	--	--	--	--	--	--	--	--	--	--	--	--	920 1000	3700 3700
RW002	10/1/2001	N	--	--	3.08	--	--	2.6	< 0.1 U	--	--	--	< 2 U	< 2 U	< 2 U	< 2 U	< 0.25 U	0.12	1,600	4,730
	12/11/2001	N	--	--	--	4.2	--	3.6	--	--	--	--	--	--	--	--	--	--	--	--
	12/12/2001	N	--	--	--	4.15	--	4.1	--	--	--	--	--	--	--	--	--	--	--	--
	12/13/2001	N	--	--	--	4.09 4.09	--	3.5 3.6	--	--	--	--	--	--	--	--	--	--	--	--
	2/4/2002	N	--	--	4.2	--	3.2	--	< 0.1 U	< 0.1 U	< 0.05 U	< 0.05 U	--	--	--	--	--	--	1,400	4,990
	6/10/2003	N	--	< 0.05 U	4.31	4.05	3.76	--	< 0.1 U	< 0.1 U	< 0.05 U	< 0.05 U	--	--	--	--	--	--	1,300	--
	6/10/2003	FD	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	1,320	--
	7/1/2003	N	--	< 0.05 U	7.13	3.58	3.57	--	< 0.1 U	< 0.1 U	< 0.05 U	< 0.05 U	--	--	--	--	--	--	1,300	--
	7/2/2003	N	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	7/9/2003	N	--	< 0.05 U	4.27	4.11	3.16	--	< 0.1 U	< 1 U	< 0.05 U	< 0.05 U	--	--	--	--	--	--	1,400	--
	7/15/2003	N	--	< 0.05 U	4.16	4.31	< 5 U	--	< 0.1 U	0.2	< 0.05 U	< 0.05 U	--	--	--	--	--	--	1,400	--
	7/30/2003	N	--	< 0.05 U	4.26	4.22	3.3	--	< 0.1 U	< 0.1 U	< 0.05 U	< 0.05 U	--	--	--	--	--	--	60	--
	8/20/2003	N	--	< 0.05 U	4.07	4.07	1.6	--	< 0.1 U	< 0.1 U	0.08	0.08	--	--	--	--	--	--	1,300	--
	9/30/2003	N	--	< 0.05 U	4.07	3.95	2	--	0.2	< 0.1 U	< 0.05 U	< 0.05 U	--	--	--	--	--	--	1,700	--
	10/28/2003	N	--	< 0.05 U	3.85	3.78	3	--	< 0.1 U	< 0.1 U	< 0.05 U	< 0.05 U	--	--	--	--	--	--	1,200	--
	12/8/2003	N	--	< 0.05 U	4.04	3.67	1.6	--	< 0.1 U	< 0.1 U	< 0.05 U	< 0.05 U	--	--	--	--	--	--	1,400	--
	1/7/2004	N	--	< 0.05 U	3.99	4.51	2.1	--	< 0.1 U	< 0.1 U	< 0.05 U	< 0.05 U	--	--	--	--	--	--	1,400	4,870
	3/4/2004	N	--	< 0.05 U	4.07	4.15	0.4 0.44	--	< 0.1 U	0.1	0.07	0.08	--	--	--	--	--	--	1,080	--

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Appendix E
Historical Analytical Data (through 2017)
2021 Annual Groundwater Monitoring Report
Former Eunice North Gas Plant

ARCADIS Design & Consultancy for natural and built assets

		Chemical Name	Dissolved Arsenic	Total Arsenic	Dissolved Chromium	Total Chromium	Dissolved Chromium, Hexavalent	Total Chromium, Hexavalent	Dissolved Iron	Total Iron	Dissolved Manganese	Total Manganese	Benzene	Toluene	Ethylbenzene	Total Xylenes	DRO	GRO	Chloride	TDS
		Units	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	ug/l	ug/l	ug/l	ug/l	mg/l	mg/l	mg/l	mg/l
		NMWQCC Standard	0.01	0.01	0.05	0.05	0.05	0.05	1	1	0.2	0.2	5	1,000	700	620			250	1000
Location ID	Sample Date	Sample Type																		
	4/1/2004	N	--	< 0.01 U	3.49	3.6	1.4	--	< 0.1 U	< 0.1 U	0.08	0.1	--	--	--	--	--	--	1,100	4,660
	5/17/2004	N	--	--	--	--	1.4	--	--	--	--	--	--	--	--	--	--	--	--	--
	5/18/2004	N	--	< 0.01 U	3.58	3.83	1.2	--	< 0.1 U	< 0.1 U	0.06	0.07	--	--	--	--	--	--	1,200	--
	6/10/2004	N	--	--	--	--	3.7	--	--	--	--	--	--	--	--	--	--	--	--	--
	6/14/2004	N	--	< 0.01 U	3.75	3.9	2.6	--	< 0.1 U	0.2	< 0.05 U	0.05	--	--	--	--	--	--	1,000	--
	7/8/2004	N	--	--	--	--	1.8	--	--	--	--	--	--	--	--	--	--	--	--	--
	7/13/2004	N	--	< 0.01 U	4.03	3.58	2.4	--	< 0.1 U	0.2	< 0.05 U	0.06	--	--	--	--	--	--	1,190	--
	8/11/2004	N	--	--	--	--	0.9	--	--	--	--	--	--	--	--	--	--	--	--	--
	8/16/2004	N	--	< 0.01 U	3.12	3.47	6.3	--	< 0.1 U	< 0.1 U	0.1	0.07	--	--	--	--	--	--	1,000	--
	9/15/2004	N	--	--	--	--	0.06	--	--	--	--	--	--	--	--	--	--	--	--	--
	9/16/2004	N	--	< 0.01 U	3.02	3.09	1.3	--	< 0.1 U	< 0.1 U	0.2	0.16	--	--	--	--	--	--	1,080	--
	10/6/2004	N	--	--	--	--	1.6	--	--	--	--	--	--	--	--	--	--	--	--	--
	10/7/2004	N	--	< 0.01 U	2.01	2.11	0.6	--	1.4	1.4	0.8	0.81	--	--	--	--	--	--	1,110	--
	11/17/2004	N	--	< 0.01 U	1.58	1.81	2	--	< 0.4 U	1.27	0.64	0.69	--	--	--	--	--	--	1,030	4,930
	12/20/2004	N	--	--	--	--	1.4	--	--	--	--	--	--	--	--	--	--	--	--	--
	12/29/2004	N	--	< 0.01 U	0.92	0.94	< 0.02 U	--	1.35	1.51	0.7	0.7	--	--	--	--	--	--	1,040	4,960
	1/25/2005	N	--	< 0.01 U	0.13	0.19	< 0.005 U	--	3.6	3.69	0.85	0.88	--	--	--	--	--	--	1,050	4,640
	2/9/2005	N	--	< 0.01 U	0.3	0.08	< 0.005 U	--	< 0.4 U	1.96	< 0.01 U	0.82	--	--	--	--	--	--	1,000	4,710
	3/9/2005	N	--	< 0.01 U	0.05	0.08	< 0.005 U	--	3.14	3.13	0.93	0.96	--	--	--	--	--	--	1,040	4,850
RW002	4/12/2005	N	--	< 0.01 U	0.06	0.07	< 0.01 U	--	3.63	3.71	1.02	1.02	--	--	--	--	--	--	1,000	4,780
	5/12/2005	N	--	< 0.01 U	0.05	0.06	< 0.01 U	--	5.11	5.47	1.27	1.27	--	--	--	--	--	--	1,050	4,780
	6/8/2005	N	--	< 0.01 U	0.06	0.07	< 0.01 U	--	7.02	7.16	1.24	1.26	--	--	--	--	--	--	1,080	4,630
	7/7/2005	N	--	< 0.01 U	0.1	0.09	< 0.005 U	--	9.38	7.66	1.77	1.44	--	--	--	--	--	--	1,090	4,640
	2/10/2006	N	--	< 0.02 U	--	0.295	--	< 0.02 U	--	23.7	6.42	6.42	< 10 U	< 10 U	< 10 U	< 30 U	< 0.6 U	< 0.6 U	1,390	5,700
	7/20/2006	N	--	< 0.02 U	--	0.0581	--	< 0.02 U	--	21.8	1.79	1.79	< 1 U	< 1 U	< 1 U	< 3 U	0.38	< 0.05 U	1,220	4,980
	3/29/2007	N	--	< 0.02 U	--	0.205	--	< 0.02 U	--	40.7	1.51	1.51	< 1 U	< 1 U	< 1 U	< 3 U	< 0.1 U	< 0.05 U	1,080	--
	4/17/2008	N	--	< 0.02 U	--	0.0523	--	< 0.02 U	--	24.6	1.23	1.23	< 1 U	< 1 U	< 1 U	< 3 U	< 0.099 U	< 0.05 U	1,220	4,590
	3/31/2009	N	--	< 0.02 U	--	0.0662	--	< 2.00 U	--	14.8	1.64	1.64	< 5 U	< 5 U	< 5 U	< 15 U	6.6	< 0.25 U	942	5,160
	3/11/2010	N	--	< 0.05 U	--	< 0.05 U	--	0.152	--	8.85	2.96	2.96	< 1 U	< 1 U	< 1 U	< 1 U	1	< 0.05 U	369	3,500
	5/22/2012	N	< 0.0100 U	--	0.0126	--	--	0.0448	16.3	--	0.898	--	< 1.00 U	< 2.00 U	< 1.00 U	< 1.00 U	--	--	1,060	4,420
	5/20/2013	N	< 0.0200 U	--	0.0145	--	--	< 0.100 U	5.78	--	0.854	--	< 1.00 U	< 2.00 U	< 1.00 U	< 1.00 U	--	--	994	3,320
	12/18/2001	N	--	--	--	3.55	--	2.4	--	--	--	--	--	--	--	--	--	--	--	--
	12/20/2001	N	--	--	--	3.08	--	2.4	--	--	--	--	--	--	--	--	--	--	--	--
	2/4/2002	N	--	--	4.44	--	0.064	--	< 0.1 U	0.1	< 0.05 U	< 0.05 U	--	--	--	--	--	--	980	3,930
	6/10/2003	N	--	< 0.05 U	3.39	3.51	3.03	--	< 0.1 U	< 0.1 U	< 0.05 U	< 0.05 U	--	--	--	--	--	--	890	--
	6/10/2003	FD	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	900	--
	7/2/2003	N	--	< 0.05 U	3.85	3.35	2.69	--	< 0.1 U	< 0.1 U	< 0.05 U	< 0.05 U	--	--	--	--	--	--	800	--
	7/8/2003	N	--	< 0.05 U	3.11	3.08	2.86	--	< 0.1 U	< 0.1 U	< 0.05 U	< 0.05 U	--	--	--	--	--	--	700	--
	7/15/2003	N	--	< 0.05 U	3.74	3.87	< 5 U	--	< 0.1 U	< 1 U	< 0.05 U	< 0.05 U	--	--	--	--	--	--	890	--
	7/30/2003	N	--	< 0.05 U	2.81	2.75	2.1	--	< 0.1 U	< 0.1 U	< 0.05 U	< 0.05 U	--	--	--	--	--	--	770	--
	8/21/2003	N	--	< 0.05 U	3.17	3.32	2	--	< 0.1 U	< 0.1 U	< 0.05 U	< 0.05 U	--	--	--	--	--	--	740	--
	9/30/2003	N	--	< 0.05 U	2.58	3.2	2.2	--	< 0.1 U	< 0.1 U	< 0.05 U	< 0.05 U	--	--	--	--	--	--	700	--
	10/28/2003	N	--	< 0.05 U	2.64	2.85	2.4	--	< 0.1 U	< 0.1 U	< 0.05 U	< 0.05 U	--	--	--	--	--	--	700	--
	12/9/2003	N	--	< 0.05 U	2.85	2.94	0.9	--	< 0.1 U	< 0.1 U	< 0.05 U	< 0.05 U	--	--	--	--	--	--	760	--
	1/7/2004	N	--	< 0.05 U	3.05	2.97	0.9	--	< 0.1 U	< 0.1 U	< 0.05 U	< 0.05 U	--	--	--	--	--	--	970	3,640
	2/19/2004	N	--	< 0.05 U	0.85	0.99	0.63	--	< 0.1 U	0.4	< 0.05 U	< 0.05 U	--	--	--	--	--	--	500	--
	4/6/2004	N	--	< 0.01 U	1.14	1.27	1	--	< 0.1 U	< 0.1 U	< 0.05 U	< 0.05 U	--	--	--	--	--	--	600	--
	5/6/2004	N	--	< 0.01 U	0.77	1.87	0.5	--	< 0.1 U	< 0.1 U	< 0.05 U	< 0.05 U	--	--	--	--	--	--	730	--
	6/8/2004	N	--	< 0.01 U	1.06	1.11	0.9	--	< 0.1 U	< 0.1 U	< 0.05 U	< 0.05 U	--	--	--	--	--	--	640	--
	7/14/2004	N	--	< 0.01 U	0.79	0.59	0.34	--	< 0.1 U	0.6	< 0.05 U	< 0.05 U	--	--	--	--	--	--	400	--
RW003	8/16/2004	N	--	< 0.01 U	1.99	2.01	3.7	--	< 0.1 U	0.2	< 0.05 U	< 0.05 U	--	--	--	--	--	--	700	--
	9/9/2004	N	--	< 0.01 U	0.85	1.02	0.47	--	< 0.1 U	< 0.1 U	0.06	0.06	--	--	--	--	--	--	540	--
	10/7/2004	N	--	< 0.01 U	0.28	0.27	0.23	--	< 0.1 U	< 0.1 U	0.05	< 0.05 U	--	--	--	--	--	--	430	--
	11/10/2004	N	--	< 0.01 U	0.21	0.27	< 0.05 U	--	< 0.4 U	< 0.4 U	0.44	0.67	--	--	--	--	--	--	480	2,820
	12/28/2004	N	--	< 0.01 U	0.08	0.14	< 0.005 U	--	0.96	0.8	0.91	0.74	--	--	--	--	--	--	490	2,760
	1/18/2005	N	--	< 0.01 U	0.1	0.14	< 0.005 U	--	4.23	4.2	1.83	1.9	--	--	--	--	--	--	510	2,960
	2/10/2005	N	--	< 0.01 U	0.06	0.06	< 0.005 U	--	10	11.7	< 0.01 U	< 0.01 U	--	--	--	--	--	--	550	3,340
	3/10/2005	N	--	< 0.01 U	0.07	0.07	< 0.005 U	--	15.4	24.7	5.04	6.82	--	--	--	--	--	--	430	2,930
	4/13/2005	N	--	< 0.01 U	0.04	0.04	< 0.005 U	--	0.82	11.3	4.02	3.94	--	--	--	--	--	--	390	2,760
	5/18/2005	N	--	< 0.01 U	0.03	0.03	0.02	--	1.18	12	3.97	4.01	--	--	--	--	--	--	430	2,720
	6/14/2005	N	--	< 0.01 U	0.02	0.03	< 0.005 U	--	1	14.2	4.16	4.28	--	--	--	--	--	--	460	2,620
	7/12/2005	N	--	< 0.01 U	0.02	0.02	< 0.005 U	--	2.02	12.6	3.66	3.71	--	--	--	--	--	--	430	2,580

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		Chemical Name	Dissolved Arsenic	Total Arsenic	Dissolved Chromium	Total Chromium	Dissolved Chromium, Hexavalent	Total Chromium, Hexavalent	Dissolved Iron	Total Iron	Dissolved Manganese	Total Manganese	Benzene	Toluene	Ethylbenzene	Total Xylenes	DRO	GRO	Chloride	TDS
		Units	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	ug/l	ug/l	ug/l	ug/l	mg/l	mg/l	mg/l	mg/l
		NMWQCC Standard	0.01	0.01	0.05	0.05	0.05	0.05	1	1	0.2	0.2	5	1,000	700	620			250	1000
Location ID	Sample Date	Sample Type																		
	7/19/2005	N	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	2/10/2006	N	--	**0.0367**	--	< 0.015 U	--	< 0.02 U	--	**94.9**	**11.7**	**11.7**	< 10 U	< 10 U	< 10 U	< 30 U	< 3 U	< 12 U	**545**	**3,130**
	7/20/2006	N	--	**0.0656**	--	< 0.015 U	--	< 0.02 U	--	**73.8**	**1.15**	**1.15**	< 5 U	< 5 U	< 5 U	< 15 U	< 2.4 U	< 0.25 U	**585**	**2,730**
	4/2/2007	N	--	**0.128**	--	< 0.015 U	--	< 0.2 U	--	**44.9**	**0.889**	**0.889**	< 5 U	< 5 U	< 5 U	< 15 U	**1.1**	< 0.25 U	**627**	--
	4/21/2008	N	--	**0.12**	--	< 0.015 U	--	< 0.5 U	--	**40.4**	**0.833**	**0.833**	< 5 U	< 5 U	< 5 U	< 1.5 U	**0.67**	**0.25**	**441**	**2,700**
	4/1/2009	N	--	**0.101**	--	< 0.015 U	--	< 0.2 U	--	**53.3**	**0.05**	**0.05**	< 5 U	< 5 U	< 5 U	< 15.0 U	**0.76**	< 0.25 U	**487**	**2,170**
	3/11/2010	N	--	< 0.5 U	--	< 0.500 U	--	< 0.1 U	--	**3.71**	**4.55**	**4.55**	< 1 U	< 1 U	< 1 U	< 1 U	**0.138**	< 0.05 U	**299**	**1,900**
	5/21/2012	N	< 0.0100 U	--	< 0.0100 U	--	--	< 0.0100 U	**19**	--	**0.931**	--	< 1.00 U	< 2.00 U	< 1.00 U	< 1.00 U	--	--	**584**	**2,550**
	5/22/2013	N	**0.0362**	--	**0.019**	--	--	< 0.0100 U	**4.97**	--	**1.02**	--	< 1.00 U	< 2.00 U	< 1.00 U	< 1.00 U	--	--	**550**	**2,270**

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		Chemical Name	Dissolved Arsenic	Total Arsenic	Dissolved Chromium	Total Chromium	Dissolved Chromium, Hexavalent	Total Chromium, Hexavalent	Dissolved Iron	Total Iron	Dissolved Manganese	Total Manganese	Benzene	Toluene	Ethylbenzene	Total Xylenes	DRO	GRO	Chloride	TDS
		Units	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	ug/l	ug/l	ug/l	ug/l	mg/l	mg/l	mg/l	mg/l
		NMWQCC Standard	0.01	0.01	0.05	0.05	0.05	0.05	1	1	0.2	0.2	5	1,000	700	620			250	1000
Location ID	Sample Date	Sample Type																		
RW003	5/28/2014	N	**0.00909 J**	--	< 0.0100 U	--	--	< 0.0500 U	**0.154 J**	--	**0.622**	--	< 1.00 U	< 2.00 U	< 1.00 U	< 1.00 U	--	--	**474**	**1,970**
	5/22/2015	N	< 0.0200 U	--	**0.00102 J**	--	--	< 0.0500 U	**0.140 J**	--	**0.704**	--	< 1.00 U	< 2.00 U	< 1.00 U	< 1.00 U	--	--	**516**	**1,080**
	5/13/2016	N	**0.0787**	--	< 0.00136 U	--	< 0.00548 U	--	--	--	--	--	--	--	--	--	--	--	**339**	**1,990**
	5/5/2017	N	**0.0792**	--	< 0.004 U	--	< 0.01 U	--	**38.7**	--	**1.21**	--	--	--	--	--	--	--	**509**	**2,460**
RW004A	10/1/2001	N	--	--	**3.11**	--	--	**2**	**0.1**	--	--	--	**400**	**1200**	< 2 U	< 2 U	< 0.25 U	**0.63**	**1,120**	**2,000**
	12/6/2001	N	--	--	--	**4.26** **4.19**	--	**2** **1.9**	--	--	--	--	--	--	--	--	--	--	--	--
	12/7/2001	N	--	--	--	**4.17**	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	12/8/2001	N	--	--	--	**4.28**	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	2/4/2002	N	--	--	**4.33**	--	**3.5**	--	< 0.1 U	< 0.1 U	< 0.05 U	< 0.05 U	--	--	--	--	--	--	**1,100**	**4,250**
	9/18/2002	N	--	--	**3.63**	--	**3**	--	--	--	--	--	< 2 U	< 2 U	< 2 U	< 2 U	< 0.25 U	< 0.05 U	**860**	--
	6/9/2003	N	--	< 0.05 U	**5.43**	**2.61**	**4.62**	--	< 0.1 U	< 0.1 U	< 0.05 U	< 0.05 U	--	--	--	--	--	--	**860**	--
	6/9/2003	FD	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	**880**	--
	7/1/2003	N	--	< 0.05 U	**0.07**	**0.07**	< 0.05 U	--	**11**	**11.5**	**1.66**	**1.73**	--	--	--	--	--	--	**2,300**	--
	7/9/2003	N	--	< 0.05 U	< 0.05 U	**0.08**	< 0.05 U	--	**6.2**	**22.2**	**0.78**	**2.47**	--	--	--	--	--	--	**3,000**	--
	7/15/2003	N	--	< 0.05 U	**0.1**	**0.07**	< 0.1 U < 1 U	--	**23.4**	**22.3**	**2.12**	**1.95**	--	--	--	--	--	--	**1,900**	--
	7/28/2003	N	--	< 0.5 U	< 0.5 U	**0.6**	< 0.02 U	--	**191**	**19.6**	**14.9**	**1.59**	--	--	--	--	--	--	**1,500**	--
	8/21/2003	N	--	< 0.05 U	**0.13**	**0.12**	< 0.005 U	--	**66.3**	**75.8**	**3.62**	**4.23**	--	--	--	--	--	--	**1,500**	--
	10/1/2003	N	--	< 0.05 U	**0.57**	**0.41**	< 0.1 U	--	**50.2**	**54.4**	**4.55**	**4.94**	--	--	--	--	--	--	**4,500**	--
	10/29/2003	N	--	< 0.05 U	**0.21**	**0.24**	< 0.005 U	--	**127**	**145**	**20.3**	**21.9**	--	--	--	--	--	--	**3,000**	--
	12/9/2003	N	--	< 0.05 U	**0.23**	**0.21**	< 0.01 U	--	**124**	**123**	**11.1**	**17.9**	--	--	--	--	--	--	**1,400**	--
	1/8/2004	N	--	< 0.5 U	< 0.5 U	< 0.5 U	< 0.005 U	--	**75**	**84**	**11**	**8.8**	--	--	--	--	--	--	**1,300**	**32,600**
	3/2/2004	N	--	< 0.05 U	**0.78**	**0.77**	< 0.05 U	--	**532**	**543**	**35.7**	**82.5**	--	--	--	--	--	--	**1,800**	--
	4/1/2004	N	--	< 0.01 U	**0.09**	**0.1**	< 0.1 U	--	**76.2**	**84.1**	**4.05**	**4.99**	--	--	--	--	--	--	**1,240**	**22,400**
	5/4/2004	N	--	< 0.1 U	< 0.5 U	< 0.5 U	< 0.1 U	--	**122**	**179**	**16.1**	**25**	--	--	--	--	--	--	**2,200**	--
	6/8/2004	N	--	< 0.01 U	**0.21**	**0.26**	< 0.1 U	--	**191**	**225**	**29.4**	**36.4**	--	--	--	--	--	--	**2,700**	--
	7/8/2004	N	--	< 0.01 U	**0.2**	**0.3**	< 0.1 U	--	**221**	**291**	**19**	**35.1**	--	--	--	--	--	--	**1,900**	--
	8/11/2004	N	--	< 0.01 U	< 0.05 U	< 0.05 U	< 0.1 U	--	**30.9**	**35.1**	**2.86**	**3.11**	--	--	--	--	--	--	**2,000**	--
	9/16/2004	N	--	< 0.05 U	< 0.2 U	< 0.2 U	< 0.1 U	--	**166**	**166**	**5**	**5.2**	--	--	--	--	--	--	**1,240**	--
	10/5/2004	N	--	< 0.01 U	**0.08**	< 0.05 U	**0.2**	--	**54.7**	**80**	**4.38**	**0.6**	--	--	--	--	--	--	**1,740**	--
	11/9/2004	N	--	< 0.1 U	< 0.1 U	**0.1**	< 0.1 U	--	**78.1**	**82.1**	**8.6**	**9.2**	--	--	--	--	--	--	**1,170**	**34,000**
	11/15/2004	N	--	--	--	--	**1.9**	--	--	--	--	--	--	--	--	--	--	--	--	--
	12/20/2004	N	--	< 0.1 U	< 0.1 U	< 0.1 U	< 0.005 U	--	**81.1**	**76.8**	**9.3**	**11.3**	--	--	--	--	--	--	**1,140**	--
	1/18/2005	N	--	< 0.1 U	< 0.1 U	< 0.1 U	< 0.005 U	--	**65.1**	**78.5**	**12.5**	**14.9**	--	--	--	--	--	--	**390**	--
	2/14/2005	N	--	< 0.1 U	< 0.1 U	< 0.1 U	< 0.05 U	--	**46.9**	**54.4**	**6.5**	**8.5**	--	--	--	--	--	--	**260**	--
	3/8/2005	N	--	< 0.01 U	< 0.1 U	< 0.01 U	**0.006**	--	**30.6**	**2.91**	**5.6**	**0.52**	--	--	--	--	--	--	**220**	--
	4/11/2005	N	--	< 0.1 U	< 0.1 U	< 0.1 U	< 0.05 U	--	**68.3**	**66.1**	**10.3**	**10**	--	--	--	--	--	--	**410**	--
	5/12/2005	N	--	< 0.1 U	< 0.1 U	< 0.1 U	< 0.05 U	--	**43.2**	**46.7**	**4.5**	**4.9**	--	--	--	--	--	--	**640**	--
	6/8/2005	N	--	< 0.05 U	**0.06**	**0.06**	< 0.05 U	--	**48.1**	**49.3**	**5.24**	**5.68**	--	--	--	--	--	--	**400**	--
	7/7/2005	N	--	< 0.05 U	**0.05**	**0.05**	< 0.05 U	--	**51.5**	**51.8**	**7.6**	**7.7**	--	--	--	--	--	--	**440**	--
	2/10/2006	N	--	**0.0207**	--	< 0.015 U	--	< 0.08 U	--	**70.3**	**3.1**	**3.1**	< 50 U	< 50 U	< 50 U	< 150 U	< 120 U	< 300 U	**138**	**3,420**
	7/19/2006	N	--	< 0.02 U	--	**0.0213**	--	< 0.02 U	--	**223**	**4.77**	**4.77**	< 10 U	< 10 U	< 10 U	< 30 U	**130**	**9.9**	**147**	**4,890**
	4/11/2007	N	--	**0.1**	--	< 0.075 U	--	< 2.0 U	--	**478**	**7.68**	**7.68**	< 100 U	< 100 U	< 100 U	< 300 U	**340**	**23**	**209**	--
	4/16/2008	N	--	**0.0672**	--	**0.0712**	--	< 1 U	--	**697**	**9.38**	**9.38**	< 10 U	< 5 U	< 5 U	< 15 U	**890**	**22**	**256**	**13,900**
	3/31/2009	N	--	**0.0257**	--	**0.0436**	--	< 0.2 U	--	**986**	**13**	**13**	**290**	< 10 U	**230**	**34**	**710**	**19**	**291**	**14,900**
	3/10/2010	N	--	< 0.50 U	--	< 0.050 U	--	**0.842**	--	**661**	**13.3**	**13.3**	< 5 U	< 5 U	< 5 U	< 5 U	**1300**	**9.83**	**126**	**14,600**
	5/25/2012	N	< 0.0500 U	--	< 0.0500 U	--	--	**2.96**	**9.8**	--	**1.16**	--	< 1.00 UJ	< 2.00 UJ	< 1.00 UJ	< 1.00 UJ	--	--	**480**	**3,900**
	5/20/2013	N	**0.0102 J**	--	**0.026**	--	--	< 0.100 U	**7.25**	--	**0.215**	--	< 1.00 U	< 2.00 U	< 1.00 U	< 1.00 U	--	--	**462**	**3,780**
	5/8/2014	N	**0.0146 J**	--	**0.0245**	--	--	< 0.0500 U	**8.67**	--	**0.273**	--	< 1.00 U	< 2.00 U	< 1.00 U	< 1.00 U	--	--	**541**	**4,180**
	6/3/2015	N	**0.0189 J**	--	**0.0201**	--	--	< 0.200 U	**8.98 J**	--	**0.276**	--	< 1.00 U	< 2.00 U	< 1.00 U	< 1.00 U	--	--	**581**	**4,500**
	5/20/2016	N	**0.0253**	--	**0.0273**	--	< 0.0548 U	--	--	--	--	--	--	--	--	--	--	--	**805**	**3,500**
	5/4/2017	N	**0.036**	--	**0.0285**	--	< 0.01 U	--	**23.1**	--	**0.274**	--	--	--	--	--	--	--	**573**	**3,310**
TEAGUE	5/22/2014	N	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	**1,180**	--
	5/11/2017	N	**0.00457**	--	**0.00844**	--	< 0.01 U	--	**0.0466 J**	--	**0.0185**	--	--	--	--	--	--	--	**1,170**	**2,830**

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Appendix E
Historical Analytical Data (through 2017)
2021 Annual Groundwater Monitoring Report
Former Eunice North Gas Plant

ARCADIS Design & Consultancy for natural and built assets

		Chemical Name	Dissolved Arsenic	Total Arsenic	Dissolved Chromium	Total Chromium	Dissolved Chromium, Hexavalent	Total Chromium, Hexavalent	Dissolved Iron	Total Iron	Dissolved Manganese	Total Manganese	Benzene	Toluene	Ethylbenzene	Total Xylenes	DRO	GRO	Chloride	TDS
		Units	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	ug/l	ug/l	ug/l	ug/l	mg/l	mg/l	mg/l	mg/l
		NMWQCC Standard	0.01	0.01	0.05	0.05	0.05	0.05	1	1	0.2	0.2	5	1,000	700	620			250	1000
Location ID	Sample Date	Sample Type																		
WoodellWW	6/14/1996	N	< 0.10 U	--	**0.66**	--	--	--	--	--	--	--	< 1 U	< 1 U	< 1 U	< 1 U	--	--	**782**	--
	8/1/1996	N	--	--	**0.82**	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	4/23/1997	N	< 0.10 U	--	**0.52**	--	--	--	--	--	--	--	< 1 U	< 1 U	< 1 U	< 1 U	--	--	**800**	**2,600**
	1/20/1999	N	< 0.10 U	--	**0.69**	--	--	--	--	--	--	--	--	--	--	--	--	--	**900**	**2,800**
	1/24/2006	N	--	< 0.02 U	--	< 0.015 U	--	< 0.02 U	--	< 0.2 U	< 0.005 U	< 0.005 U	< 1 U	< 1 U	< 1 U	< 3 U	< 0.6 U	< 0.6 U	**699**	**2,390**
	6/27/2006	N	--	< 0.02 U	--	< 0.015 U	--	< 0.02 U	--	< 0.2 U	< 0.005 U	< 0.005 U	< 1 U	< 1 U	< 1 U	< 3 U	< 0.097 U	< 0.05 U	**602**	**1,900**
	3/29/2007	N	--	< 0.02 U	--	< 0.015 U	--	< 0.02 U	--	< 0.2 U	< 0.005 U	< 0.005 U	< 1 U	< 1 U	< 1 U	< 3 U	< 0.097 U	< 0.05 U	**621**	--
	4/15/2008	N	--	< 0.02 U	--	**0.0523**	--	**0.035**	--	**1.14**	< 0.02 U	< 0.02 U	< 1 U	< 1 U	< 1 U	< 3 U	< 0.099 U	< 0.05 U	**305**	**1,060**
	8/21/2008	N	--	< 0.02 U	--	**0.0254**	--	< 0.02 U	--	< 0.2 U	< 0.005 U	< 0.005 U	< 1 U	< 1 U	< 1 U	< 3 U	< 0.096 U	< 0.05 U	**558**	**1,820**
	3/24/2009	N	--	< 0.02 U	--	**0.0296**	--	**0.022**	--	< 0.2 U	< 0.005 U	< 0.005 U	< 1 U	< 1 U	< 1 U	< 3 U	< 0.096 U	< 0.05 U	**690**	**1,780**
	8/24/2009	N	--	< 0.02 U	--	**0.0561**	--	**0.058**	--	< 0.2 U	< 0.005 U	< 0.005 U	< 1 U	< 1 U	< 1 U	< 3 U	< 0.096 U	< 0.05 U	**615**	**1,480**
	3/2/2010	N	--	< 0.05 U	--	< 0.05 U	--	**0.035**	--	**0.098**	< 0.050 U	< 0.050 U	< 1 U	< 2 U	< 1 U	< 1 U	< 0.051 U	< 0.05 U	**478**	**2,620**
	8/18/2010	N	--	**0.022**	--	< 0.05 U	--	**0.019**	--	< 0.1 U	< 0.050 U	< 0.050 U	< 1 U	< 2 U	< 1 U	< 1 U	**0.073**	< 0.05 U	**380**	**2,120**
	5/16/2012	N	< 0.0100 U	--	**0.0421**	--	--	**0.038**	< 0.200 U	--	< 0.0200 U	--	< 1.00 UJ	< 2.00 UJ	< 1.00 UJ	< 1.00 UJ	--	--	**579 J**	**2,500**
	10/31/2012	N	--	< 0.0100 U	--	**0.0314**	--	**0.0285**	--	< 0.200 U	< 0.0200 U	< 0.0200 U	< 1.00 U	< 2.00 U	< 1.00 U	< 1.00 U	--	--	**582**	**1,940**
	5/22/2013	N	**0.00973 J**	--	**0.0329**	--	--	**0.0299**	< 0.200 U	--	< 0.0200 U	--	< 1.00 U	< 2.00 U	< 1.00 U	< 1.00 U	--	--	**634**	**2,240**
	10/31/2013	N	**0.00793 J**	--	**0.0866**	--	--	**0.0843**	< 0.200 U	--	**0.0623**	--	< 1.00 U	< 2.00 U	< 1.00 U	< 1.00 U	--	--	**775**	**2,820**
	5/29/2014	N	**0.00857 J**	--	**0.0446**	--	--	**0.0341**	< 0.200 U	--	< 0.0200 U	--	< 1.00 U	< 2.00 U	< 1.00 U	< 1.00 U	--	--	**580**	**2,400**
	11/14/2014	N	**0.0168 J**	--	**0.0967**	--	--	**0.0638**	< 0.200 U	--	< 0.0200 U	--	< 1.00 U	< 2.00 U	< 1.00 U	< 1.00 U	--	--	**558**	**2,120**
	5/11/2015	N	**0.00702 J**	--	**0.0203**	--	--	**0.0152**	< 0.200 U	--	< 0.0200 U	--	< 1.00 U	< 2.00 U	< 1.00 U	< 1.00 U	--	--	**711**	**2,330**
	11/13/2015	N	< 0.0200 U	--	**0.0268**	--	--	**0.0288**	< 0.200 U	--	< 0.0200 U	--	--	--	--	--	--	--	**584**	**2,080**
	11/13/2015	FD	< 0.0200 U	--	**0.0265**	--	--	**0.0281**	< 0.200 U	--	< 0.0200 U	--	--	--	--	--	--	--	**590**	**2,140**
	9/19/2016	N	< 0.00336 U	--	**0.0766**	--	**0.071**	--	< 0.00616 U	--	< 0.000585 U	--	--	--	--	--	--	--	**622**	**1,980**
	5/11/2017	N	**0.0095**	--	**0.115**	--	**0.113**	--	**0.0826 J**	--	**0.000684 J**	--	--	--	--	--	--	--	**532**	**1,630**

Notes:
NMWQCC Standard exceedance
-- = not analyzed
< = less than
bold = detected analyte
E = Sample diluted due to instrument range
FD = field duplicate sample
ID = identification
J = estimated value
mg/l = milligrams per liter
N = Normal Sample
NMWQCC = New Mexico Water Quality Control Commission
TDS = total dissolved solids
U = non-detect
ug/l = micrograms per liter

APPENDIX F

Historical Analytical Data (2017 to current)

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GROUNDWATER ANALYTICAL RESULTS
UBU3250 EUNICE NORTH GAS PLANT

		Parameter Name	Arsenic	Chromium	Chromium, Hexavalent	Iron	Barium	Manganese	Benzene	Toluene	Ethylbenzene	Xylene (total)	GRO (C6-C10)	DRO (C10-C28)	Chloride	TDS
		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
		NMWQCC Standard	0.01	0.05	0.05	1.0	2.0	0.2	0.005	1.0	0.7	0.62	--	--	250	1000
Location ID	Date Sampled	Sample Purpose														
IW001	5/5/2017	REG	0.0179 J	0.0108 J	< 0.0100 U	1.54 J	--	1.84 J	--	--	--	--	--	--	1,030	4,350
IW002	5/5/2017	REG	0.0172	0.0116	< 0.0100 U	25.6	--	1.1	--	--	--	--	--	--	526	2,960
IW003	5/8/2017	REG	0.0137	0.00781	< 0.0100 U	6.3	--	8.02	--	--	--	--	--	--	1,090	2,600
IW003	3/22/2018	REG	0.00717	0.00409	0.00330 J	3.57	1.94	--	--	--	--	--	--	--	999	2,200
IW003	4/15/2019	REG	0.0157	0.0088	< 0.0100 U	5.02	--	3.74	--	--	--	--	--	--	1,130	2,410
IW003	3/11/2020	REG	0.0107	0.00306 J	< 0.0100 U	5.29	--	3.41 D	--	--	--	--	--	--	886	2400
IW003	3/10/2021	REG	0.0162	0.00497	< 0.0100 U	6.27	--	5.1	--	--	--	--	--	--	795	2,260
IW004	5/8/2017	REG	0.00202	0.0123	< 0.0100 U	1.68	--	3.97	--	--	--	--	--	--	1,000	2,620
IW005	5/8/2017	REG	0.0186	0.0124	< 0.0100 U	10.9	--	2.73	--	--	--	--	--	--	822	2,400
IW006	5/8/2017	REG	0.0196	0.00869	< 0.0100 U	3.93	--	4.15	--	--	--	--	--	--	741	2,150
IW007	5/8/2017	REG	0.0843	0.0192	< 0.0100 U	17.1	--	3.93	--	--	--	--	--	--	893	2,570
IW008	5/8/2017	REG	0.033	0.00545	< 0.0100 U	5.22	--	1.93	--	--	--	--	--	--	608	1,900
IW008	5/8/2017	FD	0.0323	0.00515	< 0.0100 U	5.34	--	1.97	--	--	--	--	--	--	584	1,710
IW008	3/22/2018	REG	0.0248	0.00370 J	< 0.0100 U	4.24	1.2	1.58	--	--	--	--	--	--	707	2,060
IW008	4/12/2019	REG	0.0235	0.00388 J	< 0.0100 U	4.78	--	1.9	--	--	--	--	--	--	875	2,160
IW008	3/10/2020	REG	0.0150	0.00331 J	< 0.0100 U	4.05	--	1.60 D	--	--	--	--	--	--	943 J	2590
IW008	3/9/2021	REG	0.0106	0.00407	< 0.0100 U	4.24	--	1.72	--	--	--	--	--	--	802	2,620
IW010	5/8/2017	REG	0.00571	< 0.00400 U	0.00620 J	11	--	7.31	--	--	--	--	--	--	913	3,080
IW010	3/22/2018	REG	0.00789	0.00191 J	< 0.0100 U	8.83	0.0599	5.01	--	--	--	--	--	--	906	2,940
IW010	4/12/2019	REG	0.00899	0.00202 J	0.00310 J	11.8	--	7.96	--	--	--	--	--	--	2,280	3,120
IW010	3/10/2020	REG	0.00745	0.00208 J	0.0100 J	10.6	--	7.85 D	--	--	--	--	--	--	1230 J	3680
IW010	3/9/2021	REG	0.00944	0.00195 J	< 0.0100 U	12.2	--	8.12	--	--	--	--	--	--	1160	3,680
IW011	5/8/2017	REG	0.00779	< 0.00400 U	< 0.0100 U	0.173	--	0.588	--	--	--	--	--	--	993	2,780
IW012	5/8/2017	REG	0.0103	0.0126	< 0.0100 U	2.55	--	0.32	--	--	--	--	--	--	952	3,320
IW013	5/8/2017	REG	0.00494	0.00637	< 0.0100 U	0.839	--	0.18	--	--	--	--	--	--	2,180	5,430
IW014	5/8/2017	REG	0.0346	0.00776	< 0.0100 U	0.0237	--	0.20	--	--	--	--	--	--	1,400	3,380
IW015	5/8/2017	REG	0.0102	0.0119	< 0.0100 U	0.196	--	0.0861	--	--	--	--	--	--	948	2,460
IW016	5/8/2017	REG	0.00501	< 0.00400 U	< 0.0100 UJ	0.0498	--	0.0772	--	--	--	--	--	--	328	1,270
IW019	5/5/2017	REG	0.00833 J	0.563 J	0.87	< 0.0200 U	--	0.0328 J	< 0.002 U	< 0.002 U	< 0.002 U	< 0.002 U	< 1.50 U	< 1.50 U	1,070	2,540
IW019	9/26/2017	REG	0.00947	0.743	0.693	0.157 J	--	0.24	< 0.002 U	< 0.002 U	< 0.002 U	< 0.002 U	< 1.50 U	< 1.50 U	1,000	4,380
IW019	4/4/2018	REG	0.00908	0.66	0.616	< 0.100 U	--	0.381	< 0.002 U	< 0.002 U	< 0.002 U	< 0.002 U	< 1.50 U	< 1.50 U	1,070	3,190
IW019	9/11/2018	REG	0.0101	0.757	0.687	< 0.100 U	--	0.0349	< 0.002 U	< 0.002 U	< 0.002 U	< 0.002 U	< 1.50 U	< 1.50 U	1,060	3,270
IW019	4/16/2019	REG	0.00987	0.672	0.664	0.0721 J	--	0.139	< 0.002 U	< 0.002 U	< 0.002 U	< 0.002 U	< 1.50 U	< 1.50 U	1,130 J	3,310
IW019	4/16/2019	FD	0.0106 J	0.736	0.698	< 0.500 U	--	0.105	< 0.002 U	< 0.002 U	< 0.002 U	< 0.002 U	< 1.50 U	< 1.50 U	361 J	3,190
IW019	10/10/2019	REG	0.00931	0.621	0.609	< 0.100 U	--	0.0482 J	< 0.002 U	< 0.002 U	< 0.002 UJ	< 0.002 U	< 2.12 U	< 2.12 U	1,120	3,770
IW019	3/13/2020	REG	0.00867	0.500	0.625	< 0.100 U	--	0.0398	< 0.002 U	< 0.002 U	< 0.002 U	< 0.002 U	< 2.29 U	< 2.29 U	599	3750
IW019	3/12/2021	REG	0.00929	0.560	0.656	< 0.100 U	--	0.0345	< 0.00200 U	< 0.00200 U	< 0.00200 U	< 0.00200 U	< 2.22 U	< 2.22 U	1270	3,630
IW021	5/5/2017	REG	0.00845	0.706	0.766	< 0.0200 U	--	< 0.00200 U	--	--	--	--	--	--	855	3,740
IW022	5/5/2017	REG	0.00833	0.171	0.178	< 0.0200 U	--	< 0.00200 U	--	--	--	--	--	--	739	3,070
IW023	5/5/2017	REG	0.00817	0.397	0.41	< 0.0200 U	--	< 0.00200 U	--	--	--	--	--	--	729	2,900
IW023	9/22/2017	REG	0.00936	0.423	0.406	0.0417 J	--	0.00149 J	--	--	--	--	--	--	631	2,990
IW023	3/29/2018	REG	0.00871	0.378	0.369	< 0.100 U	--	0.000378 J	--	--	--	--	--	--	644	2,760
IW023	9/14/2018	REG	0.0102	0.376	0.307	< 0.100 U	--	0.000254 J	--	--	--	--	--	--	645	2,790
IW023	9/14/2018	FD	0.0101	0.383	0.269	< 0.100 U	--	< 0.00200 U	--	--	--	--	--	--	638	2,880
IW023	4/16/2019	REG	0.00961	0.345 J	0.315 J	0.0487 J	--	0.00282	--	--	--	--	--	--	765 J	2,790
IW023	10/10/2019	REG	0.00981	0.315	0.312	0.0668 J	--	0.00412 J	--	--	--	--	--	--	33.3	3,040
IW023	3/12/2020	FD	0.00921	0.334	0.333	< 0.100 U	--	0.000349 J	--	--	--	--	--	--	489	3230
IW023	3/12/2020	REG	0.00952	0.333	0.342	< 0.100 U	--	0.000456 J	--	--	--	--	--	--	521	3230
IW023	3/9/2021	FD	0.00982	0.317	0.318	0.223	--	0.00788	--	--	--	--	--	--	576	3,010
IW023	3/9/2021	REG	0.0097	0.312	0.313	0.194	--	0.00674	--	--	--	--	--	--	567	3,000
IW024	5/4/2017	REG	0.00877	1.13	1.26	< 0.0200 U	--	< 0.00200 U	--	--	--	--	--	--	871	3,960
IW024	4/4/2018	REG	0.00924	0.99	1.04	< 0.100 U	--	0.000827 J	--	--	--	--	--	--	920	3,450
IW024	4/16/2019	REG	0.0113	1.21	1.02	0.321	--	0.0288	--	--	--	--	--	--	817	4,350
IW024	3/12/2020	REG	0.0104	0.941	0.891	< 0.100 U	--	0.00174 J	--	--	--	--	--	--	656	4040
IW024	3/12/2021	REG	0.0107	0.957	1.02	< 0.100 U	--	0.00314	--	--	--	--	--	--	1040	4,200
IW025	5/4/2017	REG	< 0.00200 U	0.0255	< 0.0100 U	0.063	--	0.822	--	--	--	--	--	--	832	3,750
IW026	5/4/2017	REG	0.0085	0.69	0.737	< 0.0200 U	--	< 0.00200 U	--	--	--	--	--	--	698	3,140
IW027	5/4/2017	REG	0.00815	0.282	0.293	0.189	--	0.00787	--	--	--	--	--	--	430	2,320
IW028	5/4/2017	REG	0.00949	0.694	0.758	< 0.0200 U	--	0.00436	--	--	--	--	--	--	702	2,740
IW029P	5/11/2017	REG	0.106	0.00148 J	< 0.0100 U	81.4	--	4.41	< 0.002 U	< 0.002 U	< 0.002 U	< 0.002 U	< 1.50 U	< 1.50 U	1,100	5,550
IW029P	5/11/2017	FD	0.107	0.00185 J	< 0.0100 U	80.7	--	4.18	< 0.002 U	< 0.002 U	< 0.002 U	0.00866	< 1.50 U	< 1.50 U	1,080	5,440
LordWW	5/11/2017	REG	0.000551 J	0.00161 J	< 0.0100 U	0.18	--	0.0971	--	--	--	--	--	--	1,490	2,730
MW001	5/10/2017	REG	0.00199 J	0.0181	< 0.0100 U	0.0102 J	--	0.91	< 0.002 U	< 0.002 U	0.0364	< 0.002 U	< 1.50 U	< 1.50 U	408	2,500
MW001	5/10/2017	FD	0.00185 J	0.02	0.0135	0.0125 J	--	0.937	< 0.002 U	< 0.002 U	0.0315	< 0.002 U	< 1.50 U	< 1.50 U	475	2,580
MW001	9/26/2017	REG	0.00221	0.00906	< 0.0100 U	< 0.100 U	--	0.694	< 0.002 U	< 0.002 U	< 0.002 U	< 0.002 U	< 1.50 U	< 1.50 U	482	2,810
MW001	4/4/2018	REG	0.00154 J	0.00146 J	< 0.0100 U	< 0.100 U	--	0.739	< 0.002 U	< 0.002 U	< 0.002 U	< 0.002 U	< 1.50 U	< 1.50 U	292	2,350
MW001	9/11/2018	REG	0.00241 J	0.00146 J	< 0.0100 U	< 0.100 U	--	0.584	< 0.002 U	< 0.002 U	< 0.002 U	< 0.002 U	< 1.50 U	< 1.50 U	275	2,610
MW001	4/17/2019	REG	0.00174 J	0.00142 J	< 0.0100 U	< 0.100 U	--	0.858	< 0.002 U	< 0.002 U	< 0.002 U	< 0.002 U	< 1.50 U	< 1.50 U	451	2,570
MW001	10/10/2019	REG	0.00160 J	0.00176 J	< 0.0100 U	< 0.100 U	--	0.954 J	< 0.002 U	< 0.002 U	< 0.002 UJ	< 0.002 U	< 2.14 U	< 2.14 U	498	2,680
MW001	3/13/2020	REG	0.00132 J	0.00147 J	< 0.0100 U	< 0.100 U	--	1.42 D	< 0.002 U	< 0.002 U	0.00074 J	< 0.002 U	< 2.28 U	< 2.28 U	360	2860
MW001	3/12/2021	REG	0.00184 J	0.0563	0.0135	0.0403 J	--	1.12	< 0.00200 U	< 0.00200 U	< 0.00200 U	< 0.00200 U	< 2.22 U	< 2.22 U	319	2,570
MW002	5/9/2017	REG	0.00922 J	0.285	0.271	< 0.100 U	--	0.00199 J	< 0.002 U	< 0.002 U	< 0.002 U	< 0.002 U	< 1.50 U	< 1.50 U	845	2,750
MW002A	5/9/2017	REG	0.0164	0.709	0.781	< 0.100 U	--	0.0235	--	--	--	--	--	--	1,400	3,510
MW002A	9/22/2017	REG	0.0204	0.867	0.892	0.0591 J	--	0.0234	--	--	--	--	--	--	1,310	3,550
MW002A	4/4/2018	REG	0.0146	0.638	0.724	< 0.100 U	--	0.0163	--	--	--	--	--	--	1,620	3,010
MW002A	9/14/2018	REG	0.0195	0.963	0.796	< 0.100 U	--	0.0193	--	--	--	--	--	--	1,610	3,330
MW002A	4/17/2019	REG	0.0193	0.889	0.00890 J	< 1.00 U	--	0.0201	--	--	--	--	--	--	1,430	3,420
MW002A	10/10/2019	REG	0.0177	0.812	0.758	< 0.100 U	--	0.0163 J	--	--	--	--	--	--	1,630	3,410
MW002A	10/10/2019	FD	0.0192	0.917	0.79	< 0.100 U	--	0.0190 J	--	--	--	--	--	--	1,390	3,430
MW002A	3/12/2020	FD	0.0176	0.891	0.736	0.0647 J	--	0.0193	--	--	--	--	--	--	939	3340
MW002A	3/12/2020	REG	0.0176	0.832	0.716	0.0429 J	--	0.0188	--	--	--	--	--	--	953	3460
MW002A	3/12/2021	REG	0.0172	0.848	0.828	< 0.100 U	--	0.019	--	--	--	--	--	--	1940	1760 J

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GROUNDWATER ANALYTICAL RESULTS
UBU3250 EUNICE NORTH GAS PLANT

		Parameter Name	Arsenic	Chromium	Chromium, Hexavalent	Iron	Barium	Manganese	Benzene	Toluene	Ethylbenzene	Xylene (total)	GRO (C6-C10)	DRO (C10-C28)	Chloride	TDS
		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
		NMWQCC Standard	0.01	0.05	0.05	1.0	2.0	0.2	0.005	1.0	0.7	0.62	--	--	250	1000
Location ID	Date Sampled	Sample Purpose														
MW002A	3/12/2021	FD	0.0174	0.826	0.78	< 0.100 U	--	0.0195	--	--	--	--	--	--	1580	3050 J
MW003	5/4/2017	REG	0.0135	0.0481	< 0.0100 U	< 0.0200 U	--	< 0.00200 U	--	--	--	--	--	--	64.1	784
MW004	5/5/2017	REG	0.00984	0.339 J	0.257 J	0.0228	--	< 0.00200 UJ	< 0.002 U	< 0.002 U	< 0.002 U	< 0.002 U	< 1.50 U	< 1.50 U	672 J	2,880
MW004	5/5/2017	FD	0.00898	0.672 J	0.796 J	< 0.0200 U	--	0.0428 J	< 0.002 U	< 0.002 U	< 0.002 U	< 0.002 U	< 1.50 U	< 1.50 U	1,120 J	3,550
MW004A	5/5/2017	REG	0.0154 J	0.489 J	0.494	< 0.0200 U	--	< 0.00200 U	--	--	--	--	--	--	643	2,420
MW004A	9/22/2017	REG	0.0154	0.463	0.448	< 0.100 U	--	0.000947 J	--	--	--	--	--	--	579	2,640
MW004A	4/4/2018	REG	0.0145	0.498	0.438	< 0.100 U	--	0.000681 J	< 0.002 U	< 0.002 U	< 0.002 U	< 0.002 U	< 1.50 U	< 1.50 U	628	2,110
MW004A	9/14/2018	REG	0.0158	0.515	0.497	< 0.100 U	--	0.000320 J	--	--	--	--	--	--	632	2,230
MW004A	4/16/2019	REG	0.0156	0.558	0.459	< 0.100 U	--	0.000551 J	--	--	--	--	--	--	550	1,080
MW004A	10/11/2019	REG	0.0148 J	0.415	0.378	< 0.500 U	--	< 0.0100 U	--	--	--	--	--	--	635	2,230
MW004A	3/12/2020	REG	0.0145	0.500	0.453	< 0.100 U	--	0.000272 J	--	--	--	--	--	--	599	2240
MW004A	3/12/2021	REG	0.0125	0.366	0.531	0.0238 J	--	0.00288	--	--	--	--	--	--	652	2,410
MW007	5/4/2017	REG	0.0119	0.0105	< 0.0100 U	< 0.0200 U	--	< 0.00200 U	--	--	--	--	--	--	43.2	1,040
MW007A	5/4/2017	REG	0.0102	0.661	0.769	< 0.0200 U	--	< 0.00200 U	--	--	--	--	--	--	764	2,950
MW007A	9/22/2017	REG	0.0116	0.729	0.65	< 0.100 U	--	0.00327	--	--	--	--	--	--	662	3,290
MW007A	4/4/2018	REG	0.0102	0.705	0.129	< 0.100 U	--	0.000979 J	--	--	--	--	--	--	815	3,060
MW007A	9/14/2018	REG	0.0115	0.763	0.67	< 0.100 U	--	0.000655 J	--	--	--	--	--	--	801	3,040
MW007A	4/17/2019	REG	0.0109	0.711	0.66	< 1.00 U	--	0.000644 J	--	--	--	--	--	--	792	3,350
MW007A	10/11/2019	REG	0.0113 J	0.676	0.592	< 0.500 U	--	0.00257 J	--	--	--	--	--	--	843	2,980
MW007A	3/12/2020	REG	0.0121	0.870	0.143 J	< 0.100 U	--	0.00172 J	--	--	--	--	--	--	396	3160
MW007A	9/28/2020	REG	0.0101	0.614	0.499	< 0.100 U	--	0.00264	--	--	--	--	--	--	844	3450
MW007A	3/11/2021	REG	0.0116	0.773	0.81	< 0.100 U	--	0.00232	--	--	--	--	--	--	862	798
MW007A	10/15/2021	REG	0.0117 J	0.719	0.809	< 1.00 U	--	0.00248	--	--	--	--	--	--	797	4,230
MW008	5/4/2017	REG	0.0191	0.00575	< 0.0100 U	4.61	--	0.583	--	--	--	--	--	--	824	3,420
MW008A	5/4/2017	REG	0.0618	0.0767	< 0.0100 U	17	--	0.176	--	--	--	--	--	--	771	2,740
MW008M	5/4/2017	REG	0.00325	0.0101	< 0.0100 U	59.9	--	3.11	--	--	--	--	--	--	1,390	4,730
MW008M	9/22/2017	REG	0.0032	0.00823	< 0.0100 U	56.5	--	3.23	--	--	--	--	--	--	1,250	4,930
MW008M	4/4/2018	REG	0.00803	0.0219	< 0.0100 U	107	--	2.96	--	--	--	--	--	--	1,470	4,580
MW008M	4/4/2018	FD	0.00222	0.00842	< 0.0100 U	91.3	--	3.23	--	--	--	--	--	--	1,490	3,820
MW008M	9/14/2018	REG	0.00312 J	0.00775	< 0.0100 U	40.4	--	3.08	--	--	--	--	--	--	1,350	4,600
MW008M	4/17/2019	REG	0.00329 J	0.0071	0.00430 J	35.9	--	2.95	--	--	--	--	--	--	1,350	5,040
MW008M	10/10/2019	REG	0.00362 J	0.00693	0.00710 J	26.5	--	2.80 J	--	--	--	--	--	--	1,530	4,680
MW008M	3/12/2020	REG	0.00407	0.00821	0.00560 J	43.9	--	3.65 D	--	--	--	--	--	--	812	4710
MW008M	3/11/2021	REG	0.00607	0.0129	< 0.0100 U	50.3	--	2.54	--	--	--	--	--	--	1640	1,280
MW009	5/4/2017	REG	0.00655	0.0151	0.0115	< 0.0200 U	--	0.0111	--	--	--	--	--	--	120	1,010
MW009A	5/4/2017	REG	0.00378	0.00684	< 0.0100 U	< 0.0912 UB	--	1.03	--	--	--	--	--	--	447	1,780
MW010	5/9/2017	REG	0.00884	0.0295	0.0271	0.0314	--	0.00459	--	--	--	--	--	--	2,730	6,960
MW010	9/21/2017	REG	0.00803	0.0190 J	0.00310 J	< 0.100 U	--	0.0104	--	--	--	--	--	--	2,360	5,620
MW010	4/2/2018	REG	0.00889	0.0242	0.0157	< 0.100 U	--	0.000740 J	--	--	--	--	--	--	2,920	4,910
MW010	9/13/2018	REG	0.00939 J	0.0228	0.012	< 0.500 U	--	0.00206 J	--	--	--	--	--	--	2,550	4,990
MW010	4/16/2019	REG	0.00885 J	0.0273	0.0213	< 0.500 U	--	< 0.0100 U	--	--	--	--	--	--	2,380	4,160
MW010	10/10/2019	REG	0.00811	0.02	0.088	< 0.100 U	--	0.00474 J	--	--	--	--	--	--	2,450	5,330
MW010	10/10/2019	FD	0.00883	0.016	0.0135	< 0.100 U	--	0.00284 J	--	--	--	--	--	--	2,520	5,300
MW010	3/12/2020	REG	0.00914	0.0206	0.0180	< 0.100 U	--	0.00128 J	--	--	--	--	--	--	2430	4640
MW010	3/10/2021	REG	0.00834	0.0158	0.0089 J	0.0831 J	--	0.00384	--	--	--	--	--	--	2590	5,430
MW011	5/5/2017	REG	0.00802 J	0.00476 UB	< 0.0100	16.5 J	--	1.64	--	--	--	--	--	--	1,580	4,630
MW011A	5/5/2017	REG	0.0128 J	1.03 J	0.976	< 0.0200 U	--	0.197 J	--	--	--	--	--	--	941	3,310
MW011A	9/22/2017	REG	0.0133	0.692	0.65	< 0.100 U	--	0.182	--	--	--	--	--	--	785	3,530
MW011A	9/22/2017	FD	0.0134	0.707	0.645	< 0.100 U	--	0.183	--	--	--	--	--	--	790	2,950
MW011A	4/4/2018	REG	0.0119	0.371	0.329	< 0.100 U	--	0.16	--	--	--	--	--	--	729	2,090
MW011A	9/14/2018	REG	0.0142	0.291	0.242	< 0.100 U	--	0.193	--	--	--	--	--	--	646	2,160
MW011A	9/14/2018	FD	0.0136	0.277	0.239	< 0.100 U	--	0.187	--	--	--	--	--	--	576	2,080
MW011A	4/17/2019	REG	0.0144	0.159	< 0.0100 U	< 0.100 U	--	0.182	--	--	--	--	--	--	511	1,930
MW011A	10/10/2019	REG	0.0133	0.1	0.0834	< 0.100 U	--	0.167 J	--	--	--	--	--	--	433	1,800
MW011A	3/12/2020	REG	0.0145	0.0942	0.0585	< 0.100 U	--	0.157	--	--	--	--	--	--	430	1680
MW011A	9/28/2020	REG	0.0143	0.0570	0.0436	< 0.100 U	--	0.0985	--	--	--	--	--	--	401	1630
MW011A	3/12/2021	REG	0.0142	0.0459	0.0386	< 0.100 U	--	0.0475	--	--	--	--	--	--	488	786
MW011A	10/15/2021	REG	0.0164 J	0.0295 J	0.0205	< 1.00 U	--	0.00389	--	--	--	--	--	--	334	1,410
MW011M	5/5/2017	REG	0.00253 J	0.0202 J	< 0.0100 U	2.28 J	--	0.0305 J	--	--	--	--	--	--	1,360	3,970
MW012	5/5/2017	REG	0.0149	< 0.00400 U	< 0.0100 U	3.08	--	4.29	--	--	--	--	--	--	469	2,080
MW012A	5/5/2017	REG	0.0163	< 0.00400 U	< 0.0100 U	0.0741	--	0.0559	--	--	--	--	--	--	85.4	528
MW012M	5/5/2017	REG	0.105	0.0411	< 0.0100 U	7.82	--	0.0876	--	--	--	--	--	--	752	3,690
MW012M	4/4/2018	REG	0.0815	0.0351	< 0.0100 U	4.76	--	0.052	--	--	--	--	--	--	800	3,140
MW012M	4/17/2019	REG	0.0652	0.0306	< 0.0100 U	3.94	--	0.0507	--	--	--	--	--	--	800	3,130
MW012M	3/12/2020	REG	0.0511	0.0287	< 0.0100 U	4.42	--	0.0723	--	--	--	--	--	--	832	2950
MW012M	3/11/2021	REG	0.0297	0.108	< 0.100 U	18.2	--	1.68	--	--	--	--	--	--	979	866
MW013	5/9/2017	REG	0.00811	1.42	0.15	0.0226	--	0.000450 J	--	--	--	--	--	--	816	3,220
MW013	9/21/2017	REG	0.00734	1.25 J	1.25	< 0.100 U	--	0.00442	--	--	--	--	--	--	255	3,220
MW013	4/2/2018	REG	0.00798	1.75	1.88	< 0.100 U	--	0.000295 J	--	--	--	--	--	--	850	2,880
MW013	9/13/2018	REG	0.00757	1.76	1.84	< 0.100 U	--	0.000747 J	--	--	--	--	--	--	692	2,810
MW013	4/16/2019	REG	0.00809	2.54	2.22 J	< 0.100 U	--	< 0.00200 U	--	--	--	--	--	--	859	2,940
MW013	10/10/2019	REG	0.00767	1.97	1.75	0.0266 J	--	0.000714 J	--	--	--	--	--	--	814	3,220
MW013	3/12/2020	REG	0.00608	1.30	1.35	< 0.100 U	--	0.000588 J	--	--	--	--	--	--	823	3120
MW013	9/25/2020	REG	0.00729	2.10	0.396	0.190	--	0.00479	--	--	--	--	--	--	908	3460
MW013	3/10/2021	REG	0.00757	2.19	2.12	< 0.100 U	--	0.000637 J	--	--	--	--	--	--	978	3,480
MW013	10/14/2021	REG	0.00578	0.536	1.71	< 0.100 U	--	0.000524 J	--	--	--	--	--	--	760	2,740
MW013A	5/11/2017	REG	0.0195	0.00456	0.00320 J	0.00385 J	--	0.000398 J	--	--	--	--	--	--	84.5	506
MW015	5/11/2017	REG	0.00558	0.00267 J	< 0.0100 U	0.00384 J	--	0.000542 J	--	--	--	--	--	--	476	1,700
MW015A	5/11/2017	REG	0.0105	0.0123	0.0112	0.0119 J	--	0.00376	--	--	--	--	--	--	3,800	6,250
MW015A	9/22/2017	REG	0.00763	0.00192 J	0.00240 J	0.152	--	0.00417	--	--	--	--	--	--	361	1,940
MW015A	4/2/2018	REG	0.00351	0.00546	< 0.0100 U	0.24	--	0.0428	--	--	--	--	--	--	5,570	8,370
MW015A	4/2/2018	FD	0.00222	0.0048	< 0.0100 U	0.214	--	0.0573	--	--	--	--	--	--	5,430	8,500

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GROUNDWATER ANALYTICAL RESULTS
UBU3250 EUNICE NORTH GAS PLANT

		Parameter Name	Arsenic	Chromium	Chromium, Hexavalent	Iron	Barium	Manganese	Benzene	Toluene	Ethylbenzene	Xylene (total)	GRO (C6-C10)	DRO (C10-C28)	Chloride	TDS
		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
		NMWQCC Standard	0.01	0.05	0.05	1.0	2.0	0.2	0.005	1.0	0.7	0.62	--	--	250	1000
Location ID	Date Sampled	Sample Purpose														
MW015A	9/13/2018	REG	0.00882 J	0.00534 J	< 0.0100 U	0.164 J	--	0.0197	--	--	--	--	--	--	5,950	9,850
MW015A	4/16/2019	REG	0.0136 J	0.00983 J	< 0.0100 UJ	< 0.500 U	--	0.00203 J	--	--	--	--	--	--	4,250	6,120
MW015A	10/9/2019	REG	0.012	0.0127	0.00480 J	0.0304 J	--	0.00551	--	--	--	--	--	--	5,480	9,970
MW015A	3/12/2020	REG	0.0119	0.00793	< 0.0100 U	0.0242 J	--	0.00734	--	--	--	--	--	--	5800	9780
MW015A	9/25/2020	REG	0.00819	0.00639	< 0.0100 U	0.766	--	0.0257	--	--	--	--	--	--	5090	8280
MW015A	3/10/2021	REG	0.0105	0.00746	< 0.0100 U	0.131	--	0.016	--	--	--	--	--	--	4840	9,040
MW015A	10/14/2021	REG	0.00650	0.00413	< 0.0100 U	0.0739 J	--	0.0129	--	--	--	--	--	--	3,640	14,200
MW016A	9/14/2018	REG	0.00914	0.00528	< 0.0100 U	< 0.100 U	--	< 0.00200 U	--	--	--	--	--	--	513	1,290
MW016A	10/13/2021	REG	0.00724	0.00712 J	0.00764 J	< 0.100 UJ	--	0.00142 J	--	--	--	--	--	--	615	2,320
MW018	5/10/2017	REG	0.00994	< 0.00129 UB	< 0.0100 U	0.00457 J	--	< 0.00200 U	--	--	--	--	--	--	210	1,120
MW018	9/21/2017	REG	0.0128	< 0.00400 U	< 0.0100 U	< 0.100 U	--	< 0.00200 U	--	--	--	--	--	--	241	1,290
MW018	4/2/2018	REG	0.00969	< 0.00400 U	< 0.0100 U	< 0.100 U	--	0.00133 J	--	--	--	--	--	--	660	1,900
MW018	4/2/2018	FD	0.00933	0.000717 J	< 0.0100 U	< 0.100 U	--	0.00151 J	--	--	--	--	--	--	601	2,020
MW018	9/13/2018	REG	0.00937 J	< 0.0200 U	< 0.0100 U	< 0.500 U	--	0.00220 J	--	--	--	--	--	--	528	2,210
MW018	4/16/2019	REG	0.0124	< 0.00400 U	< 0.0100 U	0.0574 J	--	0.00194 J	--	--	--	--	--	--	455	1,600
MW018	10/9/2019	REG	0.0103	< 0.00400 U	< 0.0100 U	< 0.100 U	--	0.000437 J	--	--	--	--	--	--	502	1,650
MW018	3/12/2020	REG	0.0109	< 0.00400 U	< 0.0100 U	< 0.100 U	--	0.000492 J	--	--	--	--	--	--	327	1450
MW018	9/25/2020	REG	0.0110	< 0.00400 U	< 0.0100 U	< 0.100 U	--	0.000520	--	--	--	--	--	--	153	967
MW018	3/10/2021	REG	0.0105	< 0.00400 U	< 0.0100 U	0.0327 J	--	0.00137 J	--	--	--	--	--	--	251	1,230
MW018	10/13/2021	REG	0.00785	< 0.00400 UJ	< 0.0100 U	< 0.100 UJ	--	0.000515 J	--	--	--	--	--	--	186	1,090
MW019A	5/10/2017	REG	0.0106	0.00182 J	< 0.0100 U	0.0154 J	--	0.00169 J	--	--	--	--	--	--	327	1,300
MW019A	9/21/2017	REG	0.0134	0.000637 J	< 0.0100 U	< 0.100 U	--	0.000387 J	--	--	--	--	--	--	262	1,250
MW019A	4/2/2018	REG	0.0125	0.000668 J	< 0.0100 U	< 0.100 U	--	0.00157 J	--	--	--	--	--	--	301	1,060
MW019A	9/13/2018	REG	0.0116 J	< 0.0200 U	< 0.0100 U	< 0.500 U	--	0.0118	--	--	--	--	--	--	291	1,170
MW019A	4/16/2019	REG	0.00627	0.000853 J	< 0.0100 U	0.0538 J	--	0.0179	--	--	--	--	--	--	303	1,110
MW019A	10/9/2019	REG	0.0103	0.000533 J	< 0.0100 U	< 0.100 U	--	0.00424	--	--	--	--	--	--	346	1,200
MW019A	3/12/2020	REG	0.0112	0.000552 J	< 0.0100 UJ	< 0.100 U	--	0.00196 J	--	--	--	--	--	--	259	1180
MW019A	3/10/2021	REG	0.0104	0.000902 J	< 0.0100 U	0.0454 J	--	0.00716	--	--	--	--	--	--	266	1,310
MW020	5/11/2017	REG	0.0105	0.00371 J	< 0.0100 U	0.0236	--	0.00101 J	--	--	--	--	--	--	733	2,180
MW020	3/11/2021	REG	0.0146	< 0.00400 U	< 0.0100 U	< 0.100 U	--	< 0.00200 U	--	--	--	--	--	--	405	632
MW020A	5/11/2017	REG	0.00893	0.00723	0.00290 J	0.00408 J	--	0.000342 J	--	--	--	--	--	--	1,070	2,410
MW020A	9/21/2017	REG	0.0108	0.00696 J	< 0.0100 U	< 0.100 U	--	< 0.00200 U	--	--	--	--	--	--	1,010	2,700
MW020A	4/2/2018	REG	0.0101	0.00589	< 0.0100 U	< 0.100 U	--	0.00115 J	--	--	--	--	--	--	1,130	2,180
MW020A	9/13/2018	REG	0.0112 J	0.00675 J	< 0.0100 U	< 0.500 U	--	0.00217 J	--	--	--	--	--	--	961	2,370
MW020A	4/16/2019	REG	0.0111 J	0.00560 J	< 0.0100 U	< 0.500 U	--	0.00112 J	--	--	--	--	--	--	1,320	2,180
MW020A	4/16/2019	FD	0.0106 J	0.00511	< 0.0100 U	< 0.500 U	--	0.00123 J	--	--	--	--	--	--	1,060	2,140
MW020A	10/9/2019	REG	0.00988	0.00604	0.00630 J	< 0.100 U	--	0.000518 J	--	--	--	--	--	--	1,260	2,560
MW020A	3/12/2020	REG	0.00967	0.00568	< 0.0100 UJ	< 0.100 U	--	0.000353 J	--	--	--	--	--	--	951	2600
MW020A	3/10/2021	REG	0.0107	0.00549	< 0.0100 U	< 0.100 U	--	0.00108 J	--	--	--	--	--	--	1170	2,520
MW021A	5/10/2017	REG	0.00938	0.00422	< 0.0100 U	0.0123 J	--	0.0724	--	--	--	--	--	--	2,530	5,210
MW021A	9/22/2017	REG	0.0117	0.00429	< 0.0100 U	< 0.100 U	--	0.0106	--	--	--	--	--	--	2,210	5,830
MW021A	4/3/2018	REG	0.0106	0.00392 J	< 0.0100 U	< 0.100 U	--	0.0159 J	--	--	--	--	--	--	2,640	4,240
MW021A	9/12/2018	REG	0.0106	0.00352 J	< 0.0100 U	< 0.100 U	--	0.0108	--	--	--	--	--	--	2,330	5,170
MW021A	4/12/2019	REG	0.011	0.00295 J	< 0.0100 U	< 0.100 U	--	0.0126	--	--	--	--	--	--	1,020	5,150
MW021A	10/10/2019	REG	0.0113	0.00301 J	< 0.0100 U	0.0228 J	--	0.0166 J	--	--	--	--	--	--	2,360	5,810
MW021A	3/11/2020	REG	0.0115	0.00314 J	< 0.0100 U	< 0.100 U	--	0.0155	--	--	--	--	--	--	2310	5330
MW021A	3/10/2021	REG	0.0106	0.00259 J	< 0.0100 U	< 0.100 U	--	0.0174	--	--	--	--	--	--	2330	5,370
MW023	5/11/2017	REG	0.00749	1.09	1.05	0.00308 J	--	0.000372 J	--	--	--	--	--	--	798	3,180
MW023	9/21/2017	REG	0.01	1.32 J	1.09	< 0.100 U	--	< 0.00200 U	--	--	--	--	--	--	739	3,540
MW023	3/29/2018	REG	0.00928	1.42	1.31	< 0.100 U	--	0.000486 J	--	--	--	--	--	--	747	2,800
MW023	9/13/2018	REG	0.00933	1.72	1.43	< 0.100 U	--	< 0.00200 U	--	--	--	--	--	--	785	3,160
MW023	4/15/2019	REG	0.00878	2.22	2.07	0.0352 J	--	0.00488	--	--	--	--	--	--	860	3,150
MW023	10/8/2019	REG	0.00946	2.75	2.32	< 0.100 U	--	< 0.00200 U	--	--	--	--	--	--	716	3,360
MW023	3/10/2020	REG	0.00868	2.91 D	2.72	< 0.100 U	--	0.000383 J	--	--	--	--	--	--	790 J	3580
MW023	9/25/2020	REG	0.00809	3.05	0.270	0.0240	--	0.00164	--	--	--	--	--	--	780	3510
MW023	3/11/2021	REG	0.00905	3.23	3.65	< 0.100 U	--	0.000205 J	--	--	--	--	--	--	832	874
MW023	10/14/2021	REG	0.00727	3.14	3.61	< 0.100 U	--	0.000969 J	--	--	--	--	--	--	750	3,560
MW023A	5/11/2017	REG	0.0189	0.00535	< 0.0100 U	0.00417 J	--	0.000257 J	--	--	--	--	--	--	49.9	594
MW024	5/11/2017	REG	0.00875	0.128	0.13	0.00318 J	--	0.00809	< 0.002 U	< 0.002 U	< 0.002 U	< 0.002 U	< 1.50 U	< 1.50 U	875	1,720
MW024A	5/11/2017	REG	0.0109	0.724	0.785	0.00442 J	--	0.000468 J	--	--	--	--	--	--	918	2,370
MW024A	9/21/2017	REG	0.0128	0.437 J	0.457 J	< 0.100 U	--	0.000585 J	--	--	--	--	--	--	790	2,620
MW024A	9/21/2017	FD	0.012	0.689 J	< 0.852 UJ	< 0.100 U	--	< 0.00200 U	--	--	--	--	--	--	748	3,010
MW024A	3/29/2018	REG	0.012	0.621	0.479	< 0.100 U	--	0.000484 J	--	--	--	--	--	--	884	2,360
MW024A	9/12/2018	REG	0.0125	0.579	0.477	< 0.100 U	--	< 0.00200 U	--	--	--	--	--	--	901	2,420
MW024A	9/12/2018	FD	0.0126	0.547	0.52	< 0.100 U	--	0.000247 J	--	--	--	--	--	--	894	2,310
MW024A	4/12/2019	REG	0.0119	0.5	0.474	< 0.100 U	--	< 0.00200 U	--	--	--	--	--	--	997	2,140
MW024A	10/8/2019	REG	0.0128	0.504	0.457	< 0.100 U	--	< 0.00200 U	--	--	--	--	--	--	790	2,470
MW024A	3/11/2020	REG	0.0117	0.498	0.471	< 0.100 U	--	0.000550 J	--	--	--	--	--	--	910	2200
MW024A	3/10/2021	REG	0.0122	0.442	0.429	< 0.100 U	--	0.000457 J	--	--	--	--	--	--	939	2,720
MW026	9/22/2017	REG	0.00716	< 0.00400 U	< 0.0100 U	< 0.100 U	--	< 0.00200 U	--	--	--	--	--	--	108	890
MW026	4/5/2018	REG	0.00716	0.00255 J	< 0.0100 U	< 0.100 U	--	< 0.00200 U	--	--	--	--	--	--	229	1,180
MW026	9/13/2018	REG	0.00774 J	< 0.0200 U	< 0.0100 U	< 0.500 U	--	0.00160 J	--	--	--	--	--	--	129	860
MW026	4/16/2019	REG	0.00768	< 0.00400 U	< 0.0100 UJ	< 0.100 U	--	0.000977 J	--	--	--	--	--	--	104	696
MW026	10/11/2019	REG	0.00801	< 0.00400 U	< 0.0100 U	< 0.100 U	--	0.000348 J	--	--	--	--	--	--	105	741
MW026	3/12/2020	REG	0.00908	< 0.00400 U	< 0.0100 U	0.0749 J	--	0.00186 J	--	--	--	--	--	--	84.9	670
MW026	3/11/2021	REG	0.00933	< 0.00400 U	< 0.0100 U	< 0.100 U	--	< 0.00200 U	--	--	--	--	--	--	89.0	733
MW027	5/11/2017	REG	0.00529	0.00238 J	< 0.0100 U	0.00482 J	--	0.000440 J	--	--	--	--	--	--	365	1,680
MW027	9/22/2017	REG	0.00703	0.00211 J	< 0.0100 U	< 0.100 U	--	0.000557 J	--	--	--	--	--	--	351	1,760
MW027	4/3/2018	REG	0.0063	0.00154 J	< 0.0100 U	< 0.100 U	--	0.00155 J	--	--	--	--	--	--	366	1,480
MW027	9/13/2018	REG	0.00682 J	< 0.0200 U	< 0.0100 U	< 0.500 U	--	0.00133 J	--	--	--	--	--	--	355	1,600
MW027	4/16/2019	REG	0.00653	0.00139 J	< 0.0100 UJ	0.0457 J	--	0.00129 J	--	--	--	--	--	--	367	1,550
MW027	10/9/2019	REG	0.00685	0.00107 J	< 0.0100 U	< 0.100 U	--	0.000539 J	--	--	--	--	--	--	358	1,610
MW027	3/12/2020	REG	0.00670	0.000861 J	< 0.0100 U	< 0.100 U	--	0.000300 J	--	--	--	--	--	--	364	1710

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GROUNDWATER ANALYTICAL RESULTS
UBU3250 EUNICE NORTH GAS PLANT

		Parameter Name	Arsenic	Chromium	Chromium, Hexavalent	Iron	Barium	Manganese	Benzene	Toluene	Ethylbenzene	Xylene (total)	GRO (C6-C10)	DRO (C10-C28)	Chloride	TDS
		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
		NMWQCC Standard	0.01	0.05	0.05	1.0	2.0	0.2	0.005	1.0	0.7	0.62	--	--	250	1000
Location ID	Date Sampled	Sample Purpose														
MW027	3/11/2021	REG	0.00655	0.000702 J	< 0.0100 U	< 0.100 U	--	0.00164 J	--	--	--	--	--	--	360	805
MW030	5/11/2017	REG	0.0144	0.00256 J	< 0.0100 U	0.0300 J	--	0.00120 J	--	--	--	--	--	--	249	588
MW030	9/21/2017	REG	0.0194	0.00147 J	< 0.0100 U	0.0315 J	--	0.000561 J	--	--	--	--	--	--	202	778
MW030	3/29/2018	REG	0.0179	0.00135 J	< 0.0100 U	< 0.100 U	--	0.000316 J	--	--	--	--	--	--	241	662
MW030	9/13/2018	REG	0.0189 J	< 0.0200 U	< 0.0100 U	< 0.500 U	--	0.00159 J	--	--	--	--	--	--	245	726
MW030	4/12/2019	REG	0.0197	0.00126 J	< 0.0100 U	< 0.100 U	--	0.000594 J	--	--	--	--	--	--	220	694
MW030	10/8/2019	REG	0.0204	0.00156 J	< 0.0100 U	0.0382 J	--	0.000554 J	--	--	--	--	--	--	190	715
MW030	3/11/2020	REG	0.0198	0.00163 J	< 0.0100 U	< 0.100 U	--	0.000266 J	--	--	--	--	--	--	235	701
MW030	3/11/2021	REG	0.0201	0.00147 J	< 0.0100 U	< 0.100 U	--	< 0.00200 U	--	--	--	--	--	--	213	822
MW030P	5/4/2017	REG	0.239	0.0101	0.027	65.3	--	0.465	--	--	--	--	--	--	478	2,020
MW031	5/11/2017	REG	0.0144	0.00175 J	< 0.0100 U	0.00590 J	--	0.000627 J	--	--	--	--	--	--	138	780
MW031	9/21/2017	REG	0.0227	< 0.00400 U	< 0.0100 U	0.0475 J	--	0.815	--	--	--	--	--	--	166	854
MW031	3/29/2018	REG	0.0511	< 0.00400 U	< 0.0100 U	0.538	--	1.36	--	--	--	--	--	--	228	840
MW031	9/13/2018	REG	0.102	< 0.0200 U	< 0.0100 U	4.17	--	1.02	--	--	--	--	--	--	233	832
MW031	4/15/2019	REG	0.0847	< 0.00400 U	< 0.0100 U	3.36	--	0.866	--	--	--	--	--	--	263	874
MW031	10/9/2019	REG	0.0962 J	< 0.00400 U	0.00570 J	4.93 J	--	0.833	--	--	--	--	--	--	230	876
MW031	10/9/2019	FD	0.0550 J	< 0.00400 U	< 0.0100 U	2.08 J	--	0.818	--	--	--	--	--	--	243	866
MW031	3/11/2020	REG	0.0436	< 0.00400 U	< 0.0100 U	1.52	--	0.892	--	--	--	--	--	--	247	852
MW031	3/10/2021	REG	0.029	< 0.00400 U	< 0.0100 U	0.822	--	0.19	--	--	--	--	--	--	160	863
MW032	10/14/2021	REG	0.00377 J	< 0.0400 U	< 0.0100 U	< 1.00 U	--	0.00129 J	--	--	--	--	--	--	308	1,340
MW032	9/22/2017	REG	0.00397	0.00188 J	< 0.0100 U	0.0228 J	--	0.00117 J	--	--	--	--	--	--	250	1,400
MW032	4/3/2018	REG	0.00332	0.00177 J	< 0.0100 U	< 0.100 U	--	0.000594 J	--	--	--	--	--	--	285	1,190
MW032	9/13/2018	REG	0.00389 J	< 0.0200 U	< 0.0100 U	< 0.500 U	--	0.00249 J	--	--	--	--	--	--	309	1,190
MW032	4/16/2019	REG	0.00370 J	0.00473	< 0.0100 UJ	< 0.100 U	--	0.00172 J	--	--	--	--	--	--	386	1,340 J
MW032	4/16/2019	FD	0.00315 J	0.00505	< 0.0100 U	0.0230 J	--	0.00127 J	--	--	--	--	--	--	374	372 J
MW032	10/9/2019	REG	0.00362 J	0.00407	0.00350 J	< 0.100 U	--	0.000854 J	--	--	--	--	--	--	428	1,390
MW032	3/12/2020	REG	0.00359 J	0.00356 J	< 0.0100 U	< 0.100 U	--	0.000244 J	--	--	--	--	--	--	399	1720
MW032	9/25/2020	REG	0.00346 J	0.00357 J	< 0.0100 U	< 0.100 U	--	0.000480	--	--	--	--	--	--	374	1400
MW032	3/12/2021	REG	0.00333 J	0.00394 J	< 0.0100 U	< 0.100 U	--	< 0.00200 U	--	--	--	--	--	--	343	1,700
MW034	5/5/2017	REG	0.00624	0.0185	0.0126	0.0438	--	< 0.00200 U	--	--	--	--	--	--	431	1,630
MW036	5/9/2017	REG	0.06	0.00153 J	< 0.0100 U	29.7	--	0.358	0.407	< 0.01 U	0.588	0.0411	4.41	< 1.50 U	165	914
MW037	5/9/2017	REG	0.0604	0.00211 J	0.00250 J	15.1	--	0.617	0.0572	< 0.002 U	0.0422	< 0.002 U	1.76	1.36 J	647	1,510
MW037	9/26/2017	REG	0.0526	0.00311 J	< 0.0100 U	8.70 J	--	0.178	0.252	0.00271	0.173	< 0.002 U	< 1.50 U	1.51	513	1,470
MW037	4/4/2018	REG	0.0433	0.00105 J	< 0.0100 U	8.01	--	0.0823	0.0225	0.0006 J	0.00974	< 0.002 U	< 1.50 U	0.944 J	516	1,770
MW037	4/4/2018	FD	0.0413	0.00107 J	< 0.0100 U	7.74	--	0.0796	0.0254	< 0.002 U	0.0116	< 0.002 U	< 1.50 U	0.961 J	432	1,400
MW037	9/11/2018	REG	0.0502	0.00126 J	< 0.0100 U	7.15	--	0.0653	0.0719	< 0.002 U	0.0108	0.00977	< 1.50 U	1.04 J	549	1,470
MW037	4/16/2019	REG	0.0546	0.00116 J	< 0.0100 U	8.05	--	0.0493	0.719 D	0.00039 J	0.134	0.00272	3.22	2.87	405	1,320
MW037	10/10/2019	REG	0.0538	0.00111 J	0.0131	7.15	--	0.0537 J	0.0926	< 0.002 U	0.0136 J	< 0.002 U	1.37 J	1.56 J	559	1,440
MW037	3/13/2020	REG	0.0754	0.000725 J	< 0.0100 U	28.6	--	0.341	0.210 J	0.00046 J	0.314 J	0.0123 J	1.40 J	3.34	115	834
MW037	3/12/2021	REG	0.0578	0.000817 J	< 0.0100 U	7.27	--	0.159	0.00115 J	< 0.00200 U	0.00509	< 0.00200 U	0.978 J	0.901 J	515	1,680
MW038	5/9/2017	REG	0.0114	0.0042	0.00810 J	9.62	--	0.14	0.00943	< 0.002 U	0.00296	< 0.002 U	< 1.50 U	1.19 J	104	966
MW038	5/9/2017	FD	0.0116	0.00449	0.00710 J	9.27	--	0.114	0.00799	< 0.002 U	< 0.002 U	< 0.002 U	1.04 J	0.988 J	111	1,010
MW040A	5/9/2017	REG	0.0176	0.00285 J	< 0.0100 U	0.00278 J	--	< 0.00200 U	--	--	--	--	--	--	53.7	574
MW040A	9/21/2017	REG	0.0187	0.00164 J	< 0.0100 U	< 0.100 U	--	< 0.00200 U	--	--	--	--	--	--	203	540
MW040A	4/2/2018	REG	0.0207	0.00231 J	< 0.0100 U	< 0.100 U	--	0.000290 J	--	--	--	--	--	--	50.3	504
MW040A	9/13/2018	REG	0.0195 J	< 0.0200 U	< 0.0100 U	< 0.500 U	--	0.00163 J	--	--	--	--	--	--	51.6	497
MW040A	4/16/2019	REG	0.0203	0.00285 J	< 0.0100 UJ	< 0.100 U	--	0.000271 J	--	--	--	--	--	--	56.4	481
MW040A	10/10/2019	REG	0.02	0.00312 J	< 0.0100 U	< 0.100 U	--	< 0.00200 UJ	--	--	--	--	--	--	55.8	526
MW040A	3/12/2020	REG	0.0208	0.00246 J	< 0.0100 UJ	< 0.100 U	--	< 0.00200 U	--	--	--	--	--	--	55.1	511
MW040A	3/10/2021	REG	0.0204	0.00245 J	< 0.0100 U	< 0.100 U	--	0.000304 J	--	--	--	--	--	--	58.4	554
MW041A	5/5/2017	REG	0.0093	0.197	0.203	0.0462	--	0.00232	--	--	--	--	--	--	408	1,630
MW041A	9/21/2017	REG	0.0104	0.210 J	0.174	0.0310 J	--	0.0024	--	--	--	--	--	--	377	1,680
MW041A	3/29/2018	REG	0.00948	0.206	0.184	< 0.100 U	--	0.00242	--	--	--	--	--	--	390	1,520
MW041A	9/12/2018	REG	0.0103	0.206	0.167	< 0.100 U	--	0.00121 J	--	--	--	--	--	--	403	1,600
MW041A	4/16/2019	REG	0.0104	0.201	0.175	< 0.100 U	--	0.00107 J	--	--	--	--	--	--	461	1,530
MW041A	10/9/2019	REG	0.0104	0.193	0.178	< 0.100 U	--	0.000914 J	--	--	--	--	--	--	488	1,620
MW041A	3/12/2020	FD	0.0107	0.200	0.194	< 0.100 U	--	0.000420 J	--	--	--	--	--	--	397	1570
MW041A	3/12/2020	REG	0.0105	0.192	0.194	< 0.100 U	--	0.000373 J	--	--	--	--	--	--	393	1580
MW041A	3/9/2021	REG	0.0109	0.213	0.199	< 0.100 U	--	0.000387 J	--	--	--	--	--	--	382	1,740
MW042A	5/9/2017	REG	0.00693 J	0.391	0.381	0.0624 J	--	0.0279	< 0.002 U	< 0.002 U	< 0.002 U	< 0.002 U	< 1.50 U	< 1.50 U	2,470	5,270
MW043	5/9/2017	REG	0.00198 J	0.00207 J	< 0.0100 U	1.31	--	0.549	< 0.002 U	< 0.002 U	< 0.002 U	< 0.002 U	0.987 J	< 1.50 U	712	556
MW043	9/26/2017	FD	0.00366	0.00214 J	< 0.0100 U	1.28 J	--	0.653	< 0.002 U	< 0.002 U	< 0.002 U	< 0.002 U	< 1.50 U	< 1.50 U	679 J	1,780
MW043	9/26/2017	REG	0.00427	0.00202 J	< 0.0100 U	0.739 J	--	0.626	< 0.002 U	< 0.002 U	< 0.002 U	< 0.002 U	< 1.50 U	< 1.50 U	530 J	1,650
MW043	4/3/2018	REG	0.00535	0.00110 J	< 0.0100 U	0.345	--	0.608 J	< 0.002 U	< 0.002 U	< 0.002 U	0.00087 J	< 1.50 U	< 1.50 U	724	1,960
MW043	9/11/2018	REG	0.00508	0.000688 J	< 0.0100 U	0.152	--	0.545	< 0.002 UJ	< 0.002 UJ	< 0.002 UJ	0.00347 J	< 1.50 U	< 1.50 U	610	1,620
MW043	9/11/2018	FD	0.00524	0.000605 J	< 0.0100 U	0.156	--	0.553	< 0.002 U	< 0.002 U	< 0.002 U	0.00319	< 1.50 U	< 1.50 U	641	1,670
MW043	4/15/2019	REG	0.00504	0.000894 J	< 0.0100 U	0.593	--	0.573	< 0.002 U	< 0.002 U	< 0.002 U	0.00234	< 1.50 U	< 1.50 U	843	1,840
MW043	10/10/2019	REG	0.00503	0.000528 J	< 0.0100 U	0.257	--	0.499 J	< 0.002 U	< 0.002 U	< 0.002 UJ	< 0.002 U	1.12 J	< 2.16 U	862	2,000
MW043	3/13/2020	REG	0.00402	0.000554 J	< 0.0100 U	0.620	--	0.602	0.00062 J	< 0.002 U	0.00122 J	0.00366	< 2.30 U	< 2.30 U	627	2210
MW043	9/28/2020	REG	0.00492	0.000769 J	< 0.0100 U	0.502	--	0.642	< 0.002 UJ	< 0.002 UJ	< 0.002 UJ	< 0.002 UJ	1.29 J	< 2.19 U	1050	2330
MW043	3/12/2021	REG	0.00424	< 0.00400 U	< 0.0100 U	0.494	--	0.649	< 0.00200 U	< 0.00200 U	< 0.00200 U	< 0.00200 U	< 2.26 U	< 2.26 U	926	1,920
MW043	10/14/2021	REG	0.0049	0.000639 J	< 0.0100 U	0.0824 J	--	0.500	< 0.00200 U	< 0.00200 U	< 0.00200 U	< 0.00400 U	< 4.59 U	0.922 J	740	1,850
MW044	5/9/2017	REG	0.00578 J	0.0554	< 0.0100 U	0.178	--	0.212	< 0.002 U	< 0.002 U	< 0.002 U	< 0.002 U	< 1.50 U	< 1.50 U	492 J	2,620
MW044	4/4/2018	REG	0.00843	0.00235 J	< 0.0100 U	0.471	--	0.077	< 0.002 U	< 0.002 U	< 0.002 U	< 0.002 U	< 1.50 U	< 1.50 U	346	1,430
MW045	5/9/2017	REG	< 0.0100 U	0.0197 J	< 0.0100 U	0.0201 J	--	0.0579	< 0.002 U	< 0.002 U	< 0.002 U	< 0.002 U	< 1.50 U	< 1.50 U	79.8	1,450
MW045	9/26/2017	REG	0.00229	0.0195	< 0.0100 U	< 0.100 U	--	0.0614	< 0.002 U	< 0.002 U	< 0.002 U	< 0.002 U	< 1.50 U	0.997 J	76.7	1,430
MW045	4/5/2018	REG	0.00173 J	0.0126	< 0.0100 U	< 0.100 U	--	0.0634	< 0.002 U	< 0.002 U	< 0.002 U	< 0.002 U	< 1.50 U	< 1.50 U	69.3	1,120
MW045	4/5/2018	REG	0.00196 J	0.0139	< 0.0100 U	< 0.100 U	--	0.0618	< 0.002 U	< 0.002 U	< 0.002 U	< 0.002 U	< 1.50 U	< 1.50 U	70.2	1,370
MW045	4/5/2018	REG	0.00177 J	0.0142	< 0.0100 U	< 0.100 U	--	0.0604	< 0.002 U	< 0.002 U	< 0.002 U	< 0.002 U	< 1.50 U	< 1.50 U	69	1,370
MW045	9/11/2018	REG	0.00213 J	0.0131	< 0.0100 U	< 0.100 U	--	0.071	< 0.002 U	< 0.002 U	< 0.002 U	< 0.002 U	< 1.50 U	< 1.50 U	72.1	1,350
MW045	4/17/2019	REG	0.00232 J	0.012	< 0.0100 U	0.0767 J	--	0.0782	< 0.002 U	< 0.002 U	< 0.002 U	< 0.002 U	< 1.50 U	< 1.50 U	76	1,460
MW045	4/17/2019	FD	0.00221 J	0.0111	< 0.0100 U	0.0544 J	--	0.0736	< 0.002 U	< 0.002 U	< 0.002 U	< 0.002 U	< 1.50 U	< 1.50 U	77.3	1,400
MW045	10/10/2019	REG	0.00203 J	0.0103	< 0.0100 U	< 0.100 U	--	0.0751 J	< 0.002 U	< 0.002 U	< 0.002 UJ	< 0.002 U	< 2.20 U	< 2.20 U	79.7	1,330

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GROUNDWATER ANALYTICAL RESULTS
UBU3250 EUNICE NORTH GAS PLANT

		Parameter Name	Arsenic	Chromium	Chromium, Hexavalent	Iron	Barium	Manganese	Benzene	Toluene	Ethylbenzene	Xylene (total)	GRO (C6-C10)	DRO (C10-C28)	Chloride	TDS
		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
		NMWQCC Standard	0.01	0.05	0.05	1.0	2.0	0.2	0.005	1.0	0.7	0.62	--	--	250	1000
Location ID	Date Sampled	Sample Purpose														
MW045	3/13/2020	REG	0.00216 J	0.0130	< 0.0100 U	0.0289 J	--	0.104	< 0.002 U	< 0.002 U	< 0.002 U	< 0.002 U	< 2.26 U	< 2.26 U	66.9	1310
MW045	3/12/2021	REG	0.00205 J	0.0119	< 0.0100 U	< 0.100 U	--	0.112	< 0.00200 U	< 0.00200 U	< 0.00200 U	< 0.00200 U	< 2.21 U	< 2.21 U	68.9	1,270
MW046	5/9/2017	REG	0.0438	0.00500 J	< 0.0100 U	3.5	--	0.776	0.063	< 0.002 U	0.12	0.0177	2.09	1.38 J	175	1,200
MW046A	5/9/2017	REG	0.0103	1.69	1.78	0.105	--	0.0253	< 0.002 U	< 0.002 U	< 0.002 U	< 0.002 U	< 1.50 U	< 1.50 U	704	3,100
MW046A	9/26/2017	REG	0.0113	1.84	1.63	0.0416 J	--	0.00285	< 0.002 U	< 0.002 U	< 0.002 U	< 0.002 U	< 1.50 U	< 1.50 U	639	3,040
MW046A	4/4/2018	REG	0.01	1.74	1.57	< 0.100 U	--	0.0028	< 0.002 U	< 0.002 U	< 0.002 U	< 0.002 U	< 1.50 U	< 1.50 U	704	2,370
MW046A	9/11/2018	REG	0.0106	1.77	1.67	< 0.100 U	--	0.00129 J	< 0.002 U	< 0.002 U	< 0.002 U	< 0.002 U	< 1.50 U	< 1.50 U	704	2,980
MW046A	4/17/2019	REG	0.0103	1.49	1.73	< 1.00 U	--	0.00333	< 0.002 U	< 0.002 U	< 0.002 U	< 0.002 U	< 1.50 U	< 1.50 U	745	3,260
MW046A	10/10/2019	REG	0.0103	2.08	2.19	0.108	--	0.00398 J	< 0.002 U	< 0.002 U	< 0.002 UJ	< 0.002 U	< 2.16 U	< 2.16 U	719	3,080
MW046A	3/13/2020	REG	0.0102	1.91	1.59	0.0360 J	--	0.00311	< 0.002 U	< 0.002 U	< 0.002 U	< 0.002 U	< 2.29 U	< 2.29 U	714	3280
MW046A	9/28/2020	REG	0.0108	1.95	1.77	< 0.100 U	--	0.000754 J	< 0.002 UJ	< 0.002 UJ	< 0.002 UJ	< 0.002 UJ	0.876 J	< 2.20 U	760	3370
MW046A	3/12/2021	REG	0.00988	1.96	2.05	< 0.100 U	--	0.000224 J	< 0.00200 U	< 0.00200 U	< 0.00200 U	< 0.00200 U	< 2.20 U	< 2.20 U	741	912
MW046A	10/14/2021	REG	0.00875	1.51	2.23	< 0.100 U	--	0.00403	< 0.00200 U	< 0.00200 U	< 0.00200 U	< 0.00400 U	< 4.69 U	< 4.69 U	642	3,310
MW047	5/10/2017	REG	0.00901	0.107	0.136	0.00410 J	--	< 0.00200 U	--	--	--	--	--	--	498	2,440
MW047	9/22/2017	REG	0.0105	0.129	0.139	< 0.100 U	--	< 0.00200 U	--	--	--	--	--	--	446	2,550
MW047	4/4/2018	REG	0.0107	0.0896	0.0746	< 0.100 U	--	0.000787 J	--	--	--	--	--	--	388	2,050
MW047	9/14/2018	REG	0.012	0.06	0.0507	< 0.100 U	--	< 0.00200 U	--	--	--	--	--	--	276	1,950
MW047	4/17/2019	REG	0.0116	0.0809	0.0709	0.0228 J	--	0.000519 J	--	--	--	--	--	--	272	968
MW047	10/11/2019	REG	0.00113 J	0.00379 J	< 0.0100 U	0.0560 J	--	1.13	--	--	--	--	--	--	486	2,650
MW047	3/12/2020	REG	0.0101	0.0693	0.0751	< 0.100 U	--	< 0.00200 U	--	--	--	--	--	--	274	1800
MW047	9/28/2020	FD	0.00946	0.0624	0.0644	< 0.100 U	--	0.000465 J	--	--	--	--	--	--	284	1890
MW047	9/28/2020	REG	0.0118	0.0736	0.0724	0.0256 J	--	0.000425 J	--	--	--	--	--	--	294	1950
MW047	3/11/2021	FD	0.00944	0.0732	0.0769	< 0.100 U	--	< 0.00200 U	--	--	--	--	--	--	260	1,050
MW047	3/11/2021	REG	0.0100	0.08	0.0781	< 0.100 U	--	0.000253 J	--	--	--	--	--	--	266	1,030
MW047	10/15/2021	FD	0.0108 J	0.0891	0.0967	< 1.00 U	--	0.00331	--	--	--	--	--	--	248	1,760
MW047	10/15/2021	REG	0.00926	0.0815	0.105	< 0.100 U	--	< 0.00200 UB	--	--	--	--	--	--	241	1,730
MW048SA	5/5/2017	REG	0.00985	0.576	0.55	0.0411	--	< 0.00200 U	--	--	--	--	--	--	647	2,220
MW048SA	5/5/2017	FD	0.00976	0.54	0.55	< 0.0200 U	--	< 0.00200 U	--	--	--	--	--	--	674	2,360
MW048SA	9/20/2017	REG	0.0111	0.559	0.542	< 0.100 U	--	0.000794 J	--	--	--	--	--	--	667	2,370
MW048SA	3/23/2018	REG	0.0117	0.457	0.453	< 0.100 U	--	0.000252 J	--	--	--	--	--	--	643	2,110
MW048SA	9/12/2018	REG	0.0119	0.453	0.404	0.136	--	0.000896 J	--	--	--	--	--	--	583	1,960
MW048SA	4/16/2019	REG	0.0121	0.396	0.363	0.0259 J	--	0.00124 J	--	--	--	--	--	--	607	1,860
MW048SA	10/9/2019	REG	0.0115	0.369	0.36	0.0356 J	--	0.00168 J	--	--	--	--	--	--	631	2,900
MW048SA	3/12/2020	FD	0.0117	0.357	0.378	0.151	--	0.00374	--	--	--	--	--	--	453	1860
MW048SA	3/12/2020	REG	0.0119	0.363	0.382	0.128	--	0.00364	--	--	--	--	--	--	488	1870
MW048SA	3/9/2021	REG	0.0114	0.406	0.398	0.0724 J	--	0.00187 J	--	--	--	--	--	--	568	1,900
MW048SA	3/9/2021	FD	0.0118	0.428	0.393	0.0773 J	--	0.00267	--	--	--	--	--	--	577	1,980
MW049SA	5/5/2017	REG	0.00926	0.185	0.193	0.0205	--	< 0.00200 U	--	--	--	--	--	--	1,560	3,700
MW049SA	9/20/2017	REG	0.0107	0.196	0.19	< 0.100 U	--	0.000498 J	--	--	--	--	--	--	1,640	3,880
MW049SA	3/23/2018	REG	0.0112	0.186	0.193	< 0.100 U	--	0.000274 J	--	--	--	--	--	--	1,530	3,880
MW049SA	9/12/2018	REG	0.0116	0.188	0.171	< 0.100 U	--	0.000414 J	--	--	--	--	--	--	1,300	2,960
MW049SA	4/16/2019	REG	0.0125 J	0.2	0.176	< 0.500 U	--	< 0.0100 U	--	--	--	--	--	--	1,320	2,530
MW049SA	10/9/2019	REG	0.013	0.246	0.187	0.123	--	0.00393	--	--	--	--	--	--	1,210	2,800
MW049SA	3/12/2020	REG	0.0120	0.197	0.200 J	0.0438 J	--	0.00116 J	--	--	--	--	--	--	847	2640
MW049SA	9/25/2020	REG	0.0108	0.195	0.224	0.260	--	0.00397	--	--	--	--	--	--	1240	3030
MW049SA	3/9/2021	REG	0.0115	0.22	0.21	0.0274 J	--	0.00301	--	--	--	--	--	--	1110	3,160
MW049SA	10/13/2021	REG	0.00960	0.184 J	0.238	< 0.100 UJ	--	0.00231 J	--	--	--	--	--	--	1,190	2,480
MW050SA	5/10/2017	REG	0.0081	0.309	0.276	0.00504 J	--	0.0209	--	--	--	--	--	--	1,260	3,560
MW050SA	9/21/2017	REG	0.00926	0.409 J	0.346	< 0.100 U	--	0.0166	--	--	--	--	--	--	533	3,960
MW050SA	4/3/2018	REG	0.0086	0.287	0.196	< 0.100 U	--	0.0173	--	--	--	--	--	--	1,470	3,480
MW050SA	4/3/2018	FD	0.00887	0.272	0.184	< 0.100 U	--	0.0164	--	--	--	--	--	--	1,440	3,500
MW050SA	9/12/2018	REG	0.00822	0.442	0.405	< 0.100 U	--	0.0204	--	--	--	--	--	--	1,510	3,580
MW050SA	4/15/2019	REG	0.00854	0.329	0.29	< 0.100 U	--	0.0191	--	--	--	--	--	--	1,420	3,500
MW050SA	10/9/2019	REG	0.00869	0.394	0.355	< 0.100 U	--	0.0158	--	--	--	--	--	--	1,450	3,800
MW050SA	3/11/2020	REG	0.00917	0.416	0.352	< 0.100 U	--	0.0148	--	--	--	--	--	--	1400	3590
MW050SA	9/24/2020	REG	0.00835	0.351	0.362	< 0.100 U	--	0.0130	--	--	--	--	--	--	1150	3730
MW050SA	3/10/2021	REG	0.00906	0.307	0.309	< 0.100 U	--	0.00729	--	--	--	--	--	--	1180	3,370
MW050SA	10/13/2021	REG	0.00769	0.182 J	0.321	< 0.100 UJ	--	0.00345 J	--	--	--	--	--	--	991	3,670
MW051SA	5/10/2017	REG	0.0114	0.818	0.819	0.00232 J	--	0.000337 J	--	--	--	--	--	--	1,210	3,390
MW051SA	9/20/2017	REG	0.0119	0.793	0.764	< 0.100 U	--	0.000608 J	--	--	--	--	--	--	1,120	3,620
MW051SA	4/3/2018	REG	0.012	0.788	0.691	< 0.100 U	--	0.000993 J	--	--	--	--	--	--	1,360	3,320
MW051SA	9/12/2018	REG	0.0116	0.799	0.668	< 0.100 U	--	0.00236	--	--	--	--	--	--	1,120	3,300
MW051SA	4/15/2019	REG	0.0126	0.779	0.733	< 0.100 U	--	0.00822	--	--	--	--	--	--	1,220	3,160
MW051SA	10/10/2019	REG	0.0119	0.699	0.658	0.0345 J	--	0.00252 J	--	--	--	--	--	--	1,050	3,330
MW051SA	3/11/2020	FD	0.0114	0.665	0.637	0.0245 J	--	0.00248	--	--	--	--	--	--	990	3250
MW051SA	3/11/2020	REG	0.0124	0.718	0.699	0.0794 J	--	0.00293	--	--	--	--	--	--	1030	3380
MW051SA	3/10/2021	REG	0.0100	0.705	0.738	< 0.100 U	--	0.00359	--	--	--	--	--	--	1050	3540 J
MW051SA	3/10/2021	FD	0.0111	0.761	0.725	< 0.100 U	--	0.00381	--	--	--	--	--	--	1050	853 J
MW052SA	5/10/2017	REG	0.0116	0.207	0.222	0.00339 J	--	0.000376 J	--	--	--	--	--	--	1,450	3,150
MW052SA	9/20/2017	REG	0.0137	0.239	0.215	0.246	--	0.00892	--	--	--	--	--	--	1,630	3,720
MW052SA	3/23/2018	REG	0.0135	0.222	0.225	< 0.100 U	--	0.000710 J	--	--	--	--	--	--	1,360	3,020
MW052SA	9/12/2018	REG	0.0131	0.242	0.222	< 0.100 U	--	0.000660 J	--	--	--	--	--	--	1,400	3,020
MW052SA	4/16/2019	REG	0.0138	0.246	0.224	0.11	--	0.00376	--	--	--	--	--	--	1,590	3,060
MW052SA	10/9/2019	REG	0.0119	0.201	0.239	< 0.100 U	--	0.000382 J	--	--	--	--	--	--	1,470	3,040
MW052SA	3/11/2020	REG	0.0133	0.255	0.259	0.173	--	0.00704	--	--	--	--	--	--	1400	2830
MW052SA	3/10/2021	REG	0.0139	0.246	0.244	0.183	--	0.00686	--	--	--	--	--	--	1410	3,170
MW054SA	5/10/2017	REG	0.00952	0.122	0.126	0.0113 J	--	0.000350 J	--	--	--	--	--	--	826	1,990
MW054SA	9/20/2017	REG	0.0108	0.132	0.117	< 0.100 U	--	0.000414 J	--	--	--	--	--	--	866	2,190
MW054SA	9/20/2017	FD	0.0103	0.128	0.119	< 0.100 U	--	0.000392 J	--	--	--	--	--	--	863	2,380
MW054SA	3/23/2018	REG	0.011	0.125	0.12	< 0.100 U	--	< 0.00200 U	--	--	--	--	--	--	777	2,200
MW054SA	9/12/2018	REG	0.0107	0.131	0.115	0.103	--	0.00315	--	--	--	--	--	--	800	1,970
MW054SA	9/12/2018	FD	0.0108	0.129	0.118	0.0672 J	--	0.00235	--	--	--	--	--	--	801	1,970
MW054SA	4/16/2019	REG	0.0109	0.122	0.117	0.227	--	0.0073	--	--	--	--	--	--	951	1,910

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GROUNDWATER ANALYTICAL RESULTS
UBU3250 EUNICE NORTH GAS PLANT

		Parameter Name	Arsenic	Chromium	Chromium, Hexavalent	Iron	Barium	Manganese	Benzene	Toluene	Ethylbenzene	Xylene (total)	GRO (C6-C10)	DRO (C10-C28)	Chloride	TDS
		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
		NMWQCC Standard	0.01	0.05	0.05	1.0	2.0	0.2	0.005	1.0	0.7	0.62	--	--	250	1000
Location ID	Date Sampled	Sample Purpose														
MW054SA	10/9/2019	REG	0.0105	0.117	0.114	< 0.100 U	--	0.000327 J	--	--	--	--	--	--	913	1,940
MW054SA	3/11/2020	REG	0.0105	0.123	0.120	< 0.100 U	--	0.00114 J	--	--	--	--	--	--	817	2040
MW054SA	9/25/2020	REG	0.0104	0.115	0.121	0.0829	--	0.00429	--	--	--	--	--	--	801	2030
MW054SA	3/10/2021	REG	0.0105	0.119	0.111	< 0.100 U	--	0.000658 J	--	--	--	--	--	--	862	2,180
MW054SA	10/13/2021	REG	0.00895	0.0962 J	0.119	0.0353 J	--	0.00278 J	--	--	--	--	--	--	806	2,140
MW055SA	5/9/2017	REG	0.00647	0.159	0.169	0.00386 J	--	0.000225 J	--	--	--	--	--	--	613	1,800
MW055SA	9/20/2017	REG	0.00754	0.181	0.165	< 0.100 U	--	0.000399 J	--	--	--	--	--	--	650	1,920
MW055SA	3/22/2018	REG	0.00734	0.179	0.154	< 0.100 U	0.0224	0.000368	--	--	--	--	--	--	620	1,650
MW055SA	9/12/2018	REG	0.00784	0.171	0.166	< 0.100 U	--	0.000439 J	--	--	--	--	--	--	622	1,660
MW055SA	4/12/2019	REG	0.00749	0.177	0.157	< 0.100 U	--	0.000651 J	--	--	--	--	--	--	653	1,700
MW055SA	10/8/2019	REG	0.00745	0.178	0.169	< 0.100 U	--	0.000250 J	--	--	--	--	--	--	574	1,810
MW055SA	3/11/2020	REG	0.00761	0.180	0.177	< 0.100 U	--	0.000539 J	--	--	--	--	--	--	655	1890
MW055SA	3/9/2021	REG	0.00734	0.174	0.167	< 0.100 U	--	0.000707 J	--	--	--	--	--	--	547	1,820
MW056SA	5/9/2017	REG	0.0146	0.378	0.348	0.122 J	--	0.000680 J	--	--	--	--	--	--	1,180	3,800
MW056SA	9/20/2017	REG	0.0149	0.413	0.369	< 0.100 U	--	0.000501 J	--	--	--	--	--	--	1,240	3,970
MW056SA	4/3/2018	REG	0.0136	0.416	0.401	< 0.100 U	--	0.000495 J	--	--	--	--	--	--	1,260	3,560
MW056SA	9/12/2018	REG	0.0155	0.417	0.401	0.0257 J	--	0.000575 J	--	--	--	--	--	--	1,130	3,380
MW056SA	4/17/2019	REG	0.0137	0.382	< 0.0100 U	< 0.200 U	--	0.000420 J	--	--	--	--	--	--	1,120	3,650
MW056SA	10/9/2019	REG	0.0137	0.33	0.312	0.0830 J	--	0.00116 J	--	--	--	--	--	--	1,190	3,220
MW056SA	3/11/2020	REG	0.0144	0.319	0.321	0.163	--	0.00202	--	--	--	--	--	--	1100	3280
MW056SA	9/24/2020	REG	0.0135	0.292	0.330	0.0778	--	0.000924	--	--	--	--	--	--	578	3440
MW056SA	3/9/2021	REG	0.0141	0.339	0.335	0.036 J	--	0.0005 J	--	--	--	--	--	--	706	3,490
MW056SA	10/13/2021	REG	0.0128	0.224 J	0.287	< 0.100 UJ	--	0.00131 J	--	--	--	--	--	--	974	4,560
MW057SA	5/9/2017	REG	0.012	0.0247	0.0241	0.0176 J	--	0.000496 J	--	--	--	--	--	--	272	1,210
MW057SA	9/20/2017	REG	0.0121	0.0349	0.0266	0.0947 J	--	0.00413	--	--	--	--	--	--	324	1,480
MW057SA	3/22/2018	REG	0.0125	0.0268	0.0163	< 0.100 U	0.0649	< 0.002	--	--	--	--	--	--	302	1,470
MW057SA	9/12/2018	REG	0.0127	0.0387	0.0276	< 0.100 U	--	0.000203 J	--	--	--	--	--	--	346	1,450
MW057SA	4/15/2019	REG	0.0124	0.0385	0.0343	0.0850 J	--	0.0034	--	--	--	--	--	--	357	1,500
MW057SA	10/9/2019	REG	0.0118	0.0408	0.0398	0.0797 J	--	0.0029	--	--	--	--	--	--	387	1,500
MW057SA	3/11/2020	REG	0.0128	0.0340	0.0342	< 0.100 U	--	0.000621 J	--	--	--	--	--	--	303	1460
MW057SA	9/24/2020	REG	0.0138	0.0106	0.00780 J	0.0274	--	0.00106	--	--	--	--	--	--	611	1870
MW057SA	3/9/2021	REG	0.0127	0.0165	0.0188	0.092 J	--	0.00296	--	--	--	--	--	--	233	1,450
MW057SA	10/13/2021	REG	0.0112	0.00865 J	0.0114	< 0.100 UJ	--	0.00230 J	--	--	--	--	--	--	221	1,510
MW058	5/11/2017	REG	0.0121	2.72	2.48	0.516 J	--	0.00896	--	--	--	--	--	--	995 J	3,530 J
MW058	5/11/2017	FD	0.0119	2.85	2.47	0.343 J	--	0.00555	--	--	--	--	--	--	627 J	1,670 J
MW058	3/29/2018	REG	0.0124	2.83	2.99	0.0325	--	0.000881 J	--	--	--	--	--	--	1,230	3,980
MW058	4/12/2019	REG	0.0127	3.16	2.74	< 0.100 U	--	< 0.00200 U	--	--	--	--	--	--	1,150	4,180
MW058	4/12/2019	FD	0.013	3.25	2.9	< 0.100 U	--	< 0.00200 U	--	--	--	--	--	--	1,040	3,900
MW058	3/11/2020	REG	0.0131	3.59 DX	4.08	0.133	--	0.00232	--	--	--	--	--	--	1120	4060
MW058	3/12/2021	REG	0.0129	3.64	3.93	< 0.100 U	--	0.000515 J	--	--	--	--	--	--	1330	1,000
MW059	5/11/2017	REG	0.0118	0.535	0.441	0.0336	--	0.000967 J	--	--	--	--	--	--	951	3,670
MW059	9/21/2017	REG	0.014	0.563 J	0.473	0.0436 J	--	0.000998 J	--	--	--	--	--	--	810	3,820
MW059	3/29/2018	REG	0.0132	0.562	0.448 J	< 0.100 U	--	0.000366 J	--	--	--	--	--	--	925	3,610
MW059	9/13/2018	REG	0.0141 J	0.556	0.469	< 0.500 U	--	0.00308 J	--	--	--	--	--	--	904	3,070
MW059	4/15/2019	REG	0.0148	0.46	0.401	< 0.100 U	--	0.00107 J	--	--	--	--	--	--	891	2,950
MW059	10/8/2019	REG	0.0136	0.568	0.523	< 0.100 U	--	< 0.00200 U	--	--	--	--	--	--	640 J	3,530
MW059	10/8/2019	FD	0.0137	0.587	0.524	< 0.100 U	--	< 0.00200 U	--	--	--	--	--	--	885 J	3,400
MW059	3/10/2020	FD	0.0132	0.568	0.528	0.0925 J	--	0.00208	--	--	--	--	--	--	898 J	3560
MW059	3/10/2020	REG	0.0150	0.594	0.556	< 0.100 U	--	< 0.00200 U	--	--	--	--	--	--	891 J	3730
MW059	3/10/2021	REG	0.0137	0.65	0.465	< 0.100 U	--	< 0.00200 U	--	--	--	--	--	--	812	919
MW059	3/10/2021	FD	0.0129	0.612	0.483	< 0.100 U	--	< 0.00200 U	--	--	--	--	--	--	831	842
MW060	9/22/2017	REG	0.00363	< 0.00400 U	< 0.0100 U	0.639	--	9.71	--	--	--	--	--	--	1,370	3,950
MW060	3/29/2018	REG	0.0056	< 0.00400 U	< 0.0100 U	1.26	--	9.7	--	--	--	--	--	--	1,750	3,600
MW060	9/13/2018	REG	0.00342 J	< 0.0200 U	< 0.0100 U	0.765	--	10.5	--	--	--	--	--	--	1,560	3,470
MW060	4/16/2019	REG	0.00265 J	0.00195 J	< 0.0100 UJ	0.796	--	12.5	--	--	--	--	--	--	1,670	3,390
MW060	10/9/2019	REG	0.00492	< 0.00400 U	< 0.0100 U	1.86	--	6.47	--	--	--	--	--	--	1,490	3,480
MW060	3/12/2020	REG	0.00170 J	< 0.00400 U	< 0.0100 U	0.299	--	12.5 D	--	--	--	--	--	--	1210	3620
MW060	3/10/2021	REG	0.00332 J	< 0.00400 U	< 0.0100 U	2.08	--	5.71	--	--	--	--	--	--	1360	3,400
MW061	5/11/2017	REG	0.0107	1.96	2.13	0.127	--	0.0221	--	--	--	--	--	--	883	3,840
MW061	9/22/2017	REG	0.0119	2.2	1.99	< 0.100 U	--	0.0292	--	--	--	--	--	--	927	4,900
MW061	4/3/2018	REG	0.011	1.68	1.49	< 0.100 U	--	0.0702 J	--	--	--	--	--	--	1,030	3,600
MW061	4/3/2018	FD	0.0107	2.11	1.44	< 0.100 U	--	0.0394 J	--	--	--	--	--	--	1,140	3,660
MW061	9/13/2018	REG	0.0120 J	1.56	1.44	< 0.500 U	--	0.036	--	--	--	--	--	--	1,060	3,830
MW061	4/16/2019	REG	0.0114	1.38	1.51 J	0.0231 J	--	0.0246	--	--	--	--	--	--	1,180	3,980
MW061	10/9/2019	REG	0.012	1.2	1.15	< 0.100 U	--	0.0603	--	--	--	--	--	--	1,040	4,300
MW061	3/11/2020	REG	0.0132	1.06	0.967	0.0395 J	--	0.0213	--	--	--	--	--	--	879	3580
MW061	9/28/2020	FD	0.0119	1.03	1.07	< 0.100 U	--	0.0234	--	--	--	--	--	--	1030	4560
MW061	9/28/2020	REG	0.0115	1.00	1.05	< 0.100 U	--	0.0195	--	--	--	--	--	--	1030	4540
MW061	3/11/2021	REG	0.0115	1.06	1.07	< 0.100 U	--	0.0384	--	--	--	--	--	--	1170	1,160
MW061	3/11/2021	FD	0.0113	1.04	1.07	< 0.100 U	--	0.0294	--	--	--	--	--	--	1190	1,100
MW061	10/14/2021	FD	0.0105	0.736	1.20	0.0250 J	--	0.0235 J	--	--	--	--	--	--	980	4,940 J
MW061	10/14/2021	REG	0.0104	0.946	1.24	0.0516 J	--	0.0454 J	--	--	--	--	--	--	995	3,460 J
MW062A	5/11/2017	REG	0.0214	0.00312 J	< 0.0100 U	0.00369 J	--	0.000214 J	--	--	--	--	--	--	63	334
MW062A	5/11/2017	FD	0.0203	0.00336 J	< 0.0100 U	0.0102 J	--	0.000357 J	--	--	--	--	--	--	62.8	418
MW062A	9/21/2017	REG	0.0254	0.00193 J	< 0.0100 U	< 0.100 U	--	0.000262 J	--	--	--	--	--	--	59	482
MW062A	3/29/2018	REG	0.0242	0.00207 J	< 0.0100 U	< 0.100 U	--	0.000335 J	--	--	--	--	--	--	55.8	471
MW062A	9/12/2018	REG	0.024	0.00213 J	< 0.0100 U	< 0.100 U	--	< 0.00200 U	--	--	--	--	--	--	57.9	497
MW062A	4/12/2019	REG	0.0249	0.00200 J	< 0.0100 U	< 0.100 U	--	< 0.00200 U	--	--	--	--	--	--	62.9	474
MW062A	10/8/2019	REG	0.0242	0.00187 J	< 0.0100 U	< 0.100 U	--	< 0.00200 U	--	--	--	--	--	--	60.8	489
MW062A	3/10/2020	REG	0.0241	0.00192 J	< 0.0100 UJ	< 0.100 U	--	0.000593 J	--	--	--	--	--	--	63.9 J	486
MW062A	3/10/2021	REG	0.025	0.00194 J	< 0.0100 U	< 0.100 U	--	0.000383 J	--	--	--	--	--	--	67.1	525
MW063A	5/11/2017	REG	0.021	0.00309 J	< 0.0100 U	0.00612 J	--	0.000251 J	--	--	--	--	--	--	67.8	414
MW063A	9/21/2017	REG	0.0248	0.00154 J	< 0.0100 U	< 0.100 U	--	0.000408 J	--	--	--	--	--	--	51.7	518

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		Parameter Name	Arsenic	Chromium	Chromium, Hexavalent	Iron	Barium	Manganese	Benzene	Toluene	Ethylbenzene	Xylene (total)	GRO (C6-C10)	DRO (C10-C28)	Chloride	TDS
		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
		NMWQCC Standard	0.01	0.05	0.05	1.0	2.0	0.2	0.005	1.0	0.7	0.62	--	--	250	1000
Location ID	Date Sampled	Sample Purpose														
MW063A	3/29/2018	REG	0.0233	0.00126 J	< 0.0100 U	< 0.100 U	--	0.000891 J	--	--	--	--	--	--	49.2	444
MW063A	9/12/2018	REG	0.0233	0.00162 J	< 0.0100 U	< 0.100 U	--	0.000592 J	--	--	--	--	--	--	51.7	472
MW063A	4/12/2019	REG	0.0244	0.00160 J	< 0.0100 U	< 0.100 U	--	0.000653 J	--	--	--	--	--	--	58.5	459
MW063A	10/8/2019	REG	0.0249	0.00168 J	< 0.0100 U	< 0.100 U	--	0.000251 J	--	--	--	--	--	--	54.4	484
MW063A	3/10/2020	REG	0.0233	0.00135 J	< 0.0100 U	< 0.100 U	--	0.000637 J	--	--	--	--	--	--	56.4 J	477
MW063A	3/10/2021	REG	0.0247	0.00151 J	< 0.0100 U	< 0.100 U	--	0.000516 J	--	--	--	--	--	--	59.0	507
MW065SA	5/9/2017	REG	0.0101	0.0631	0.0547 J	0.0149 J	--	0.0125	--	--	--	--	--	--	1,050	3,380
MW065SA	5/9/2017	FD	0.00999	0.0606	0.572 J	0.00336 J	--	0.0121	--	--	--	--	--	--	1,060	3,050
MW065SA	4/5/2018	REG	0.00851	0.114	0.11	< 0.100 U	--	0.0131	--	--	--	--	--	--	1,050	2,910
MW065SA	4/11/2019	REG	0.0103	0.0134	0.00690 J	< 0.100 U	--	0.0107	--	--	--	--	--	--	1,050	2,590
MW065SA	3/10/2020	REG	0.0104	0.0400	0.0154	0.0435 J	--	0.0265	--	--	--	--	--	--	954 J	2910
MW065SA	3/9/2021	REG	0.014	0.0860	< 0.0100 U	0.278	--	0.113	--	--	--	--	--	--	852	3,090
MW066SA	5/9/2017	REG	0.00815	0.094	0.0932	0.0548 J	--	0.298	--	--	--	--	--	--	1,160	3,560
MW066SA	9/20/2017	REG	0.00898	0.0801	0.0635	< 0.100 U	--	0.0741	--	--	--	--	--	--	1,170	3,120
MW066SA	3/22/2018	REG	0.00898	0.0387	0.021	< 0.100 U	0.0325	0.0118	--	--	--	--	--	--	1,050	1,050
MW066SA	9/12/2018	REG	0.00987	0.0186	0.0137	0.0408 J	--	0.115	--	--	--	--	--	--	884	2,350
MW066SA	4/11/2019	REG	0.00974	0.0179	0.00650 J	0.0678 J	--	0.0699	--	--	--	--	--	--	836	2,040
MW066SA	10/8/2019	REG	0.0108	0.00565	0.00610 J	< 0.100 U	--	0.00819	--	--	--	--	--	--	510	1,860
MW066SA	3/10/2020	REG	0.0102	0.00456	< 0.0100 U	0.0239 J	--	0.0604	--	--	--	--	--	--	458 J	1540
MW066SA	3/9/2021	REG	0.00935	0.00567	< 0.0100 U	0.23	--	0.437	--	--	--	--	--	--	445	1,730
MW067SA	5/8/2017	REG	0.0169	< 0.00400 U	< 0.0100 U	< 0.0200 U	--	< 0.00200 U	--	--	--	--	--	--	165	944
MW067SA	9/20/2017	REG	0.0194	0.000881 J	< 0.0100 U	< 0.100 U	--	0.000652 J	--	--	--	--	--	--	163	1,070
MW067SA	9/20/2017	FD	0.0196	0.00117 J	< 0.0100 U	< 0.100 U	--	0.000925 J	--	--	--	--	--	--	163	1,050
MW067SA	9/24/2020	REG	0.0194	< 0.00400 U	< 0.0100 U	< 0.100 U	--	0.000250	--	--	--	--	--	--	191	1060
MW067SA	3/10/2021	REG	0.0193	0.00064 J	< 0.0100 U	0.18	--	0.00337	--	--	--	--	--	--	193	991
MW067SA	10/13/2021	REG	0.0159	< 0.00400 UJ	< 0.0100 U	< 0.100 UJ	--	0.00171 J	--	--	--	--	--	--	182	928
MW068	5/11/2017	REG	0.0193	0.00262 J	< 0.0100 U	0.343	--	3.29	--	--	--	--	--	--	8,760	10,400
MW068	9/22/2017	REG	0.0163	0.000550 J	< 0.0100 U	0.298	--	2.6	--	--	--	--	--	--	10,100	18,800
MW068	4/3/2018	REG	0.0148	0.000799 J	< 0.0100 U	0.32	--	2.33 J	--	--	--	--	--	--	11,700	14,300
MW068	9/13/2018	REG	0.0180 J	< 0.0200 U	< 0.0100 U	0.345 J	--	2.37	--	--	--	--	--	--	11,700	18,000
MW068	4/15/2019	REG	0.0180 J	< 0.0200 U	< 0.0100 U	1.66	--	2.87	--	--	--	--	--	--	7,100	10,500
MW068	10/9/2019	REG	0.017	< 0.00400 U	< 0.0100 U	0.362	--	2.01	--	--	--	--	--	--	8,880	15,500
MW068	3/13/2020	REG	0.0187	< 0.00400 U	< 0.0100 U	0.227	--	2.31 D	--	--	--	--	--	--	10500	17200
MW068	9/25/2020	REG	0.0153	< 0.00400 U	< 0.0100 U	0.265	--	2.62	--	--	--	--	--	--	10600	16600
MW068	3/11/2021	REG	0.018	< 0.0200 U	< 0.0100 U	0.144 J	--	2.48	--	--	--	--	--	--	6350	934
MW068	10/15/2021	REG	0.0133 J	< 0.0400 U	< 0.0100 U	< 1.00 U	--	0.742	--	--	--	--	--	--	6,970	1,910
MW069	5/11/2017	REG	0.0157	0.00188 J	< 0.0100 U	1.35	--	0.72	--	--	--	--	--	--	981	2,450
MW069	9/21/2017	REG	0.0151	< 0.00400 U	< 0.0100 U	0.282	--	0.778	--	--	--	--	--	--	715	2,120
MW069	3/29/2018	REG	0.014	< 0.00400 U	< 0.0100 U	0.456	--	0.78	--	--	--	--	--	--	846	1,730
MW069	9/13/2018	REG	0.0149	< 0.00400 U	< 0.0100 U	0.563	--	0.774	--	--	--	--	--	--	804	1,990
MW069	4/15/2019	REG	0.0113 J	< 0.0200 U	< 0.0100 U	< 0.500 U	--	0.0902	--	--	--	--	--	--	9,650	14,800
MW069	10/9/2019	REG	0.00906	< 0.00400 U	< 0.0100 U	0.100 J	--	0.293	--	--	--	--	--	--	9,140	14,200
MW069	3/11/2020	REG	0.0107	0.000605 J	0.00310 J	0.193	--	0.0969	--	--	--	--	--	--	10500	15600
MW069	9/25/2020	REG	0.00698	< 0.00400 U	< 0.0100 U	0.177	--	0.201	--	--	--	--	--	--	7990	14400
MW069	3/10/2021	REG	0.00732	< 0.00400 U	< 0.0100 U	0.0299 J	--	0.17	--	--	--	--	--	--	8610	15,100
MW069	10/14/2021	REG	0.00573	< 0.00400 U	< 0.0100 U	0.170	--	0.525	--	--	--	--	--	--	2,160	13,200
MW070	5/11/2017	REG	0.0131	0.00191 J	< 0.0100 U	0.00494 J	--	0.000213 J	--	--	--	--	--	--	298	672
MW070	9/21/2017	REG	0.0155	0.000718 J	< 0.0100 U	< 0.100 U	--	< 0.00200 U	--	--	--	--	--	--	287	1,040
MW070	3/29/2018	REG	0.0141	< 0.00400 U	< 0.0100 U	< 0.100 U	--	0.000337 J	--	--	--	--	--	--	350	956
MW070	3/29/2018	FD	0.0133	< 0.00400 U	< 0.0100 U	< 0.100 U	--	0.00149 J	--	--	--	--	--	--	350	996
MW070	9/12/2018	REG	0.0145	0.000838 J	< 0.0100 U	< 0.100 U	--	0.000481 J	--	--	--	--	--	--	387	1,120
MW070	4/12/2019	REG	0.0141	< 0.00400 U	< 0.0100 U	0.0443 J	--	0.000935 J	--	--	--	--	--	--	444	1,130
MW070	10/8/2019	REG	0.0138	< 0.00400 U	< 0.0100 U	< 0.100 U	--	< 0.00200 U	--	--	--	--	--	--	398	1,220
MW070	3/11/2020	REG	0.0134	< 0.00400 U	< 0.0100 U	< 0.100 U	--	0.000603 J	--	--	--	--	--	--	432	1170
MW070	9/25/2020	REG	0.0125	< 0.00400 U	< 0.0100 U	< 0.100 U	--	0.000275	--	--	--	--	--	--	393	1220
MW070	10/14/2021	REG	0.0103	< 0.00400 U	< 0.0100 U	< 0.100 U	--	0.00281	--	--	--	--	--	--	378	1,310
MW071SA	5/9/2017	REG	0.00711	0.0076	< 0.0100 U	0.252 J	--	0.389	--	--	--	--	--	--	590	1,750
MW071SA	9/20/2017	REG	0.00923	0.00315 J	< 0.0100 U	0.155	--	0.299	--	--	--	--	--	--	495	1,380
MW071SA	3/22/2018	REG	0.00852	0.00884	< 0.0100 U	< 0.100 U	0.0624	0.142	--	--	--	--	--	--	560	1,410
MW071SA	9/12/2018	REG	0.00951	0.00142 J	< 0.0100 U	0.100 J	--	0.293	--	--	--	--	--	--	613	1,580
MW071SA	4/11/2019	REG	0.00836	0.00587	< 0.0100 U	0.0284 J	--	0.216	--	--	--	--	--	--	636	1,490
MW071SA	10/8/2019	REG	0.00874	0.000795 J	< 0.0100 U	< 0.100 U	--	0.273	--	--	--	--	--	--	587	1,580
MW071SA	10/8/2019	FD	0.00879	0.00110 J	< 0.0100 U	0.0251 J	--	0.284	--	--	--	--	--	--	707	1,580
MW071SA	3/10/2020	REG	0.00901	0.00368 J	< 0.0100 U	0.0774 J	--	0.232	--	--	--	--	--	--	618 J	1520
MW071SA	3/9/2021	REG	0.0108	0.00159 J	< 0.0100 U	0.697	--	0.297	--	--	--	--	--	--	488	1,910
MW072SA	5/9/2017	REG	0.0154	0.00268 J	< 0.0100 U	0.00480 J	--	< 0.00200 U	--	--	--	--	--	--	262	1,150
MW072SA	9/20/2017	REG	0.017	0.00101 J	< 0.0100 U	< 0.100 U	--	0.000510 J	--	--	--	--	--	--	273	1,190
MW072SA	3/22/2018	REG	0.0148	0.000617 J	< 0.0100 U	0.0909	0.0246	0.00382	--	--	--	--	--	--	231	882
MW072SA	9/12/2018	REG	0.0179	< 0.00400 U	< 0.0100 U	< 0.100 U	--	0.000362 J	--	--	--	--	--	--	238	1,090
MW072SA	4/11/2019	REG	0.0186	< 0.00400 U	< 0.0100 U	0.0464 J	--	0.00182 J	--	--	--	--	--	--	218	1,050
MW072SA	10/9/2019	REG	0.0189	< 0.00400 U	< 0.0100 U	< 0.100 U	--	0.00204	--	--	--	--	--	--	282	1,050
MW072SA	3/11/2020	REG	0.0211	0.00208 J	< 0.0100 U	1.09	--	0.0273	--	--	--	--	--	--	232	1090
MW072SA	3/9/2021	REG	0.0172	0.000721 J	< 0.0100 U	0.204	--	0.00652	--	--	--	--	--	--	245	1,260
MW073SA	5/9/2017	REG	0.0112	0.00230 J	< 0.0100 U	0.0147 J	--	0.0112	--	--	--	--	--	--	409	902
MW073SA	9/20/2017	REG	0.0128	0.000850 J	< 0.0100	< 0.100 U	--	0.00351	--	--	--	--	--	--	250	886
MW073SA	3/22/2018	REG	0.0118	< 0.00400 U	< 0.0100 U	< 0.100 U	0.0368	0.000798	--	--	--	--	--	--	189	3,270
MW073SA	9/12/2018	REG	0.0112	< 0.00400 U	< 0.0100 U	0.231	--	0.00136 J	--	--	--	--	--	--	229	965
MW073SA	4/11/2019	REG	0.0102	< 0.00400 U	< 0.0100 U	< 0.100 U	--	0.00344	--	--	--	--	--	--	1,000	2,020
MW073SA	10/9/2019	REG	0.0119	< 0.00400 U	< 0.0100 U	< 0.100 U	--	0.0104	--	--	--	--	--	--	2,100	4,320
MW073SA	3/11/2020	REG	0.0112	< 0.00400 U	< 0.0100 U	< 0.100 U	--	0.00478	--	--	--	--	--	--	1660	4000
MW073SA	9/24/2020	REG	0.0118	< 0.00400 U	< 0.0100 U	0.0641	--	0.0137	--	--	--	--	--	--	1230	3960
MW073SA	3/9/2021	REG	0.0106	< 0.00400 U	< 0.0100 U	< 0.100 U	--	0.000942 J	--	--	--	--	--	--	1100	3,710
MW073SA	10/13/2021	REG	0.00918	< 0.00400 UJ	< 0.0100 U	< 0.100 UJ	--	0.00138 J	--	--	--	--	--	--	542	2,220

Released to Imaging: 12/12/2022 10:42:57 AM

Received by OCD: 3/21/2022 2:39:57 PM

GROUNDWATER ANALYTICAL RESULTS
UBU3250 EUNICE NORTH GAS PLANT

		Parameter Name	Arsenic	Chromium	Chromium, Hexavalent	Iron	Barium	Manganese	Benzene	Toluene	Ethylbenzene	Xylene (total)	GRO (C6-C10)	DRO (C10-C28)	Chloride	TDS
		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
		NMWQCC Standard	0.01	0.05	0.05	1.0	2.0	0.2	0.005	1.0	0.7	0.62	--	--	250	1000
Location ID	Date Sampled	Sample Purpose														
MW074SA	5/9/2017	REG	0.0122	0.00866	0.00440 J	0.0776 J	--	0.00170 J	--	--	--	--	--	--	394	1,610
MW074SA	9/20/2017	REG	0.0131	0.00754	< 0.0100 U	< 0.100 U	--	0.000218 J	--	--	--	--	--	--	382	1,700
MW074SA	3/22/2018	REG	0.0125	0.00601	< 0.0100 U	< 0.100 U	0.0288	< 0.002	--	--	--	--	--	--	350	1,580
MW074SA	9/12/2018	REG	0.0152	0.00517	< 0.0100 U	< 0.100 U	--	0.000226 J	--	--	--	--	--	--	376	1,510
MW074SA	4/12/2019	REG	0.0151	0.00508	< 0.0100 U	0.0318 J	--	0.000585 J	--	--	--	--	--	--	384	1,520
MW074SA	10/8/2019	REG	0.0153	0.0058	0.00610 J	< 0.100 U	--	< 0.00200 U	--	--	--	--	--	--	363	1,640
MW074SA	3/11/2020	REG	0.0144	0.00687	0.00740 J	0.0520 J	--	0.00102 J	--	--	--	--	--	--	446	1670
MW074SA	3/9/2021	REG	0.0137	0.0097	0.00750 J	0.225	--	0.00354	--	--	--	--	--	--	491	2,160
MW075SA	5/8/2017	REG	0.0125	0.0112	0.00840 J	< 0.0200 U	--	< 0.00200 U	--	--	--	--	--	--	397	1,820
MW075SA	9/20/2017	REG	0.0143	0.0135	0.00650 J	< 0.100 U	--	0.000256 J	--	--	--	--	--	--	377	1,880
MW075SA	3/22/2018	REG	0.0123	0.0121	< 0.0100 U	< 0.100 U	0.0136	< 0.002	--	--	--	--	--	--	362	1,730
MW075SA	9/11/2018	REG	0.0152	0.0135	0.00660 J	< 0.100 U	--	0.000321 J	--	--	--	--	--	--	399	1,670
MW075SA	4/11/2019	REG	0.0134	0.0128	0.00940 J	< 0.100 U	--	0.000224 J	--	--	--	--	--	--	466	1,770
MW075SA	10/8/2019	REG	0.0146	0.0116	0.0113	< 0.100 U	--	< 0.00200 U	--	--	--	--	--	--	422	1,830
MW075SA	10/8/2019	FD	0.0144	0.0117	0.0100 J	< 0.100 U	--	< 0.00200 U	--	--	--	--	--	--	495	1,850
MW075SA	3/10/2020	REG	0.0153	0.0122	0.00350 J	< 0.100 U	--	0.000640 J	--	--	--	--	--	--	495 J	1840
MW075SA	9/24/2020	REG	0.0124	0.0256	0.0230	0.0660	--	0.00247	--	--	--	--	--	--	260	1480
MW075SA	3/9/2021	REG	0.0131	0.011	0.00540 J	0.0722 J	--	0.00249	--	--	--	--	--	--	489	2,020
MW075SA	10/12/2021	REG	0.00995	0.0106	0.0114	0.0240 J	--	0.000824 J	--	--	--	--	--	--	518	1,820
MW076SA	5/8/2017	REG	0.0103	0.012	0.00920 J	< 0.0200 U	--	< 0.00200 U	--	--	--	--	--	--	580	2,170
MW076SA	9/20/2017	REG	0.0119	0.0146	0.00760 J	< 0.100 U	--	0.000882 J	--	--	--	--	--	--	623	2,060
MW076SA	3/22/2018	REG	0.0109	0.0128	0.00300 J	0.0973	0.0222	0.00196	--	--	--	--	--	--	579	2,020
MW076SA	9/11/2018	REG	0.013	0.0137	0.00580 J	0.0231 J	--	0.000582 J	--	--	--	--	--	--	583	1,850
MW076SA	4/11/2019	REG	0.0123	0.0119	0.0143	0.225	--	0.00388	--	--	--	--	--	--	601	1,950
MW076SA	10/8/2019	REG	0.0126	0.00657	0.00740 J	0.0567 J	--	0.000831 J	--	--	--	--	--	--	398	1,890
MW076SA	3/10/2020	REG	0.0131	0.00788	< 0.0100 U	0.0417 J	--	0.00108 J	--	--	--	--	--	--	526 J	1920
MW076SA	3/9/2021	REG	0.0125	0.00864	0.00360 J	< 0.100 U	--	0.000229 J	--	--	--	--	--	--	536	2,130
MW079SA	5/8/2017	REG	0.00324	< 0.00400 U	< 0.0100 U	0.428	--	0.0566	--	--	--	--	--	--	303	1,130
MW079SA	9/20/2017	REG	0.00748	0.00105 J	< 0.0100 U	0.101	--	0.0251	--	--	--	--	--	--	308	1,220
MW079SA	3/23/2018	REG	0.00663	< 0.00400 U	< 0.0100 U	0.335	--	0.0531	--	--	--	--	--	--	278	635
MW079SA	9/12/2018	REG	0.00709	0.000775 J	< 0.0100 U	0.176	--	0.0406	--	--	--	--	--	--	270	1,140
MW079SA	9/12/2018	FD	0.00707	0.000783 J	< 0.0100 U	0.184	--	0.042	--	--	--	--	--	--	269	1,030
MW079SA	4/15/2019	REG	0.00583	0.00103 J	< 0.0100 U	0.581	--	0.0511	--	--	--	--	--	--	271	1,140
MW079SA	10/9/2019	REG	0.00843	< 0.00400 U	< 0.0100 U	0.0585 J	--	0.0218	--	--	--	--	--	--	271	1,100
MW079SA	3/11/2020	REG	0.00895	< 0.00400 U	< 0.0100 U	0.0544 J	--	0.0173	--	--	--	--	--	--	233	1070
MW079SA	3/10/2021	REG	0.00962	< 0.00400 U	< 0.0100 U	0.0839 J	--	0.021	--	--	--	--	--	--	281	1,270
MW083SA	5/8/2017	REG	0.0115	0.00703	< 0.0100 U	0.867	--	0.0785	--	--	--	--	--	--	1,510	3,780
MW084SA	5/8/2017	REG	0.0108	0.0328	0.0313	0.0341	--	< 0.00200 U	--	--	--	--	--	--	1,210	2,980
MW084SA	9/20/2017	REG	0.0098	0.0165	0.0112	< 0.100 U	--	0.00181 J	--	--	--	--	--	--	1,610	3,970
MW084SA	3/22/2018	REG	0.00734	0.0126	< 0.0100 U	0.324	0.0369	0.0115	--	--	--	--	--	--	1,400	3,890
MW084SA	9/11/2018	REG	0.00938	0.0168	0.00860 J	< 0.100 U	--	0.0029	--	--	--	--	--	--	1,370	3,060
MW084SA	4/11/2019	REG	0.00962	0.0205	0.0167	0.415	--	0.0177	--	--	--	--	--	--	1,220	5,910
MW084SA	10/8/2019	REG	0.00979	0.0208	0.0204	< 0.100 U	--	0.00474	--	--	--	--	--	--	791	2,860
MW084SA	3/10/2020	REG	0.0107	0.0248	0.0171	0.109	--	0.00461	--	--	--	--	--	--	1140 J	3100
MW084SA	9/24/2020	REG	0.0100	0.0240	0.0234	< 0.100 U	--	0.00271	--	--	--	--	--	--	945	2890
MW084SA	3/9/2021	REG	0.0103	0.0239	0.0199	0.165	--	0.00465	--	--	--	--	--	--	1020	3,130
MW084SA	10/12/2021	REG	0.00810	0.0164	0.0195	< 0.100 U	--	0.000584 J	--	--	--	--	--	--	1,010	2,520
MW085SA	5/8/2017	REG	0.0111	0.0254	0.0244	< 0.0200 U	--	0.00864	--	--	--	--	--	--	1,430	3,850
MW085SA	9/20/2017	REG	0.0124	0.0293	0.0182	< 0.100 U	--	0.0241	--	--	--	--	--	--	1,410	4,160
MW085SA	3/22/2018	REG	0.0142	0.0336	0.0126	0.0345	0.0449	0.0332	--	--	--	--	--	--	1,470	4,090
MW085SA	9/11/2018	REG	0.014	0.0258	0.00280 J	0.177	--	0.115	--	--	--	--	--	--	1,650	3,270
MW085SA	4/11/2019	REG	0.0141	0.0559	0.0236	0.319	--	0.0265	--	--	--	--	--	--	1,580	3,660
MW085SA	10/8/2019	REG	0.0128	0.0497	0.0318	0.102	--	0.0167	--	--	--	--	--	--	1,210	3,890
MW085SA	3/10/2020	REG	0.0128	0.0532	< 0.0100 U	0.101	--	0.0541	--	--	--	--	--	--	1620 J	4370
MW085SA	9/24/2020	REG	0.0177	0.0696	0.0232	0.278	--	0.188	--	--	--	--	--	--	1230	4120
MW085SA	3/9/2021	REG	0.0119	0.0609	< 0.0100 U	0.268	--	0.0854	--	--	--	--	--	--	1070	4,220
MW085SA	10/12/2021	REG	0.0122	0.0217	0.0184	< 0.100 U	--	0.0432	--	--	--	--	--	--	1,390	3,270
MW086SA	5/9/2017	REG	0.0103	0.0549	0.00840 J	0.241 J	--	0.00381	--	--	--	--	--	--	1,470	3,800
MW086SA	9/20/2017	REG	0.0111	0.0475	0.0464	0.515	--	0.0101	--	--	--	--	--	--	1,370	3,420
MW086SA	3/22/2018	REG	0.00957	0.039	0.0341	0.266	0.0267	0.00512	--	--	--	--	--	--	1,260	2,640
MW086SA	9/11/2018	REG	0.0123	0.034	0.0255	< 0.100 U	--	0.00153 J	--	--	--	--	--	--	1,260	3,110
MW086SA	4/11/2019	REG	0.0116	0.0482	0.0385	0.0839 J	--	0.00235	--	--	--	--	--	--	1,370	3,160
MW086SA	10/8/2019	REG	0.0123	0.0762	0.067	< 0.100 U	--	0.00833	--	--	--	--	--	--	1,110	3,240
MW086SA	3/10/2020	REG	0.0110	0.0726	0.0639	0.162	--	0.00556	--	--	--	--	--	--	1300 J	3500
MW086SA	9/24/2020	REG	0.00921	0.0277	0.0432	< 0.100 U	--	0.00619	--	--	--	--	--	--	916	2880
MW086SA	3/9/2021	REG	0.0111	0.0556	0.0416	0.0926 J	--	0.00294	--	--	--	--	--	--	1250	3,560
MW086SA	10/12/2021	REG	0.00811	0.0457	0.0568	< 0.100 U	--	0.00126 J	--	--	--	--	--	--	1,400	3,220
MW087A	5/4/2017	REG	0.00338	0.0478	< 0.0100 U	1.12	--	0.548	--	--	--	--	--	--	1,210	3,550
MW087A	4/4/2018	REG	0.00115 J	0.0265	< 0.0100 U	1.18	--	0.281	--	--	--	--	--	--	1,270	4,040
MW087A	4/17/2019	REG	0.00120 J	0.0423	0.00490 J	3.56	--	0.185	--	--	--	--	--	--	1,190	3,840
MW087A	3/12/2020	REG	0.00239 J	0.0498	0.00830 J	6.77	--	0.118	--	--	--	--	--	--	791	3570
MW087A	3/11/2021	REG	0.00302 J	0.0723	< 0.0100 U	6.97	--	0.205	--	--	--	--	--	--	1180	895
MW088M	5/5/2017	REG	0.0235	0.165	< 0.0100 U	0.688	--	0.798	--	--	--	--	--	--	942	3,300
MW088M	9/22/2017	REG	0.0304	0.194	< 0.0100 U	7.5	--	0.931	--	--	--	--	--	--	820	3,100
MW088M	4/4/2018	REG	0.0286	0.164	< 0.0100 U	7.59	--	0.788	--	--	--	--	--	--	876	3,290
MW088M	9/13/2018	REG	0.0234	0.157	< 0.0100 U	1.99	--	0.994	--	--	--	--	--	--	1,760	3,200
MW088M	4/17/2019	REG	0.0217	0.138	< 0.0100 U	1.72 J	--	1.26	--	--	--	--	--	--	957	3,690
MW088M	10/10/2019	REG	0.0178	0.135	< 0.0100 U	1.98	--	1.40 J	--	--	--	--	--	--	980	3,620
MW088M	3/12/2020	REG	0.0234	0.131	< 0.0100 U	6.72	--	1.94 D	--	--	--	--	--	--	975	3250
MW088M	3/11/2021	REG	0.0218	0.0177	< 0.0100 U	12.0	--	0.183	--	--	--	--	--	--	963	822
MW089SA	5/4/2017	REG	0.0101	1.15	1.02	< 0.0200 U	--	< 0.00200 U	--	--	--	--	--	--	948	3,160
MW089SA	9/22/2017	REG	0.0112	1.24	1.26	< 0.100 U	--	0.000274 J	--	--	--	--	--	--	905	4,240
MW089SA	4/4/2018	REG	0.0102	1.14	1.02	< 0.100 U	--	0.000901 J	--	--	--	--	--	--	1,020	3,730

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GROUNDWATER ANALYTICAL RESULTS
UBU3250 EUNICE NORTH GAS PLANT

		Parameter Name	Arsenic	Chromium	Chromium, Hexavalent	Iron	Barium	Manganese	Benzene	Toluene	Ethylbenzene	Xylene (total)	GRO (C6-C10)	DRO (C10-C28)	Chloride	TDS
		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
		NMWQCC Standard	0.01	0.05	0.05	1.0	2.0	0.2	0.005	1.0	0.7	0.62	--	--	250	1000
Location ID	Date Sampled	Sample Purpose														
MW089SA	9/14/2018	REG	0.0109	1.18	1.04	< 0.100 U	--	0.000448 J	--	--	--	--	--	--	1,040	3,780
MW089SA	4/17/2019	REG	0.0107	1.1	1.06	< 1.00 U	--	0.00835	--	--	--	--	--	--	934	4,260
MW089SA	10/11/2019	REG	0.0103	1.12	1.15	< 0.100 U	--	0.000543 J	--	--	--	--	--	--	929	3,770
MW089SA	3/12/2020	REG	0.0108	1.14	0.902	< 0.100 U		0.000751 J	--	--	--	--	--	--	630	4250
MW089SA	3/12/2021	REG	0.0104	1.02	0.988	0.0238 J	--	0.00128 J	--	--	--	--	--	--	973	4,040
MW090	5/4/2017	FD	0.00813	0.187	0.19	< 0.0200 U	--	< 0.00200 U	--	--	--	--	--	--	374	2,320
MW090SA	5/4/2017	REG	0.0094	0.194	0.188	< 0.0200 U	--	< 0.00200 U	--	--	--	--	--	--	471	2,460
MW090SA	4/4/2018	REG	0.00926	0.263	0.258	< 0.100 U	--	0.000541 J	--	--	--	--	--	--	520	2,280
MW090SA	4/17/2019	REG	0.0096	0.265	0.31	< 0.100 U	--	0.000728 J	--	--	--	--	--	--	520	2,210
MW090SA	3/12/2020	REG	0.00980	0.315	0.303	< 0.100 U	--	0.00172 J	--	--	--	--	--	--	400	2710
MW090SA	3/12/2021	REG	0.0101	0.279	0.320	0.0233 J	--	0.00316	--	--	--	--	--	--	512	2,820
MW091SA	5/5/2017	REG	0.00905	0.786	0.687	< 0.0200 U	--	< 0.00200 U	--	--	--	--	--	--	780	3,340
MW093SA	9/22/2017	REG	0.00906	0.645	0.702	< 1.00 U	--	0.0478	--	--	--	--	--	--	857	3,880
MW093SA	3/29/2018	REG	0.00826	0.523	0.557	< 0.100 U	--	0.142	--	--	--	--	--	--	982	3,000
MW093SA	9/14/2018	REG	0.00859	0.494	0.504	< 0.100 U	--	0.019	--	--	--	--	--	--	914	3,440
MW093SA	4/16/2019	REG	0.00811	0.405	0.365	0.0483 J	--	0.244	--	--	--	--	--	--	984	3,220
MW093SA	10/10/2019	REG	0.0092	0.547	0.518	0.0382 J	--	0.121 J	--	--	--	--	--	--	18.2 J	3,500
MW093SA	10/10/2019	FD	0.0092	0.563	0.528	0.0313 J	--	0.119 J	--	--	--	--	--	--	885 J	3,390
MW093SA	3/12/2020	REG	0.00893	0.576	0.680	< 0.100 U	--	0.0130	--	--	--	--	--	--	685	3420
MW093SA	9/25/2020	REG	0.00831	0.494	0.500	< 0.100 U	--	0.0154	--	--	--	--	--	--	922	3960
MW093SA	3/9/2021	REG	0.00907	0.499	0.438	< 0.100 U	--	0.0192	--	--	--	--	--	--	885	3,960
MW093SA	10/14/2021	REG	0.00712	0.396	0.482	< 0.100 U	--	0.0334	--	--	--	--	--	--	864	3,890
MW094	5/11/2017	REG	0.00835	1.62	1.72	0.0465	--	0.0363	--	--	--	--	--	--	873	4,000
MW094	4/3/2018	REG	0.0095	1.74	1.65	< 0.100 U	--	0.0140 J	--	--	--	--	--	--	960	3,390
MW094	4/16/2019	REG	0.0108	1.53	1.88 J	0.134	--	0.0141	--	--	--	--	--	--	1,070	3,860
MW094	3/11/2020	REG	0.0108	1.77	1.63	0.0248 J	--	0.0103	--	--	--	--	--	--	926	3920
MW094	3/11/2021	REG	0.0109	0.535	0.855	< 0.100 U	--	0.0317	--	--	--	--	--	--	854	1,270
MW095	5/11/2017	REG	0.00731	4.07	4.06	0.0336	--	0.0688	--	--	--	--	--	--	1,650	6,570
MW095	3/29/2018	REG	0.00933	4.15	1.03	< 0.100 U	--	0.132	--	--	--	--	--	--	1,520	4,020
MW095	9/13/2018	REG	0.00984 J	3.93	3.62	< 0.500 U	--	0.14	--	--	--	--	--	--	1,380	3,650
MW095	4/16/2019	REG	0.0093	3.77	3.46 J	0.242	--	0.147	--	--	--	--	--	--	1,500	3,760 J
MW095	4/16/2019	FD	0.00823	3.97	3.54	0.239	--	0.126	--	--	--	--	--	--	1,410	5,320 J
MW095	10/9/2019	REG	0.00909	3.29	3.02	< 0.100 U	--	0.142	--	--	--	--	--	--	1,280	3,440
MW095	10/9/2019	FD	0.00914	3.58	3.11 J	< 0.100 U	--	0.141	--	--	--	--	--	--	1,260	3,740
MW095	3/11/2020	FD	0.00837	2.50 D	2.36	< 0.100 U	--	0.126	--	--	--	--	--	--	1370	3890
MW095	3/11/2020	REG	0.00874	2.42 D	2.22	0.0239 J	--	0.131	--	--	--	--	--	--	1460	3630
MW095	9/28/2020	FD	0.00917	3.42	3.39	0.0396 J	--	0.102	--	--	--	--	--	--	1540	4720
MW095	9/28/2020	REG	0.00950	3.40	3.34	0.0369 J	--	0.106	--	--	--	--	--	--	1520	4570
MW095	3/10/2021	REG	0.00894	3.83	3.67	0.0328 J	--	0.111	--	--	--	--	--	--	1460	4570 J
MW095	3/10/2021	FD	0.00929	4.03	3.7	0.0306 J	--	0.112	--	--	--	--	--	--	1470	1090 J
MW095	10/14/2021	FD	0.00904	3.54	3.71	< 0.100 U	--	0.108	--	--	--	--	--	--	1,340	4,510
MW095	10/14/2021	REG	0.00841	3.73	3.99	< 0.100 U	--	0.106	--	--	--	--	--	--	1,330	4,610
MW096P	5/4/2017	REG	0.0116	0.0615	0.0162	0.119	--	0.242	--	--	--	--	--	--	330	1,390
MW097P	5/4/2017	REG	0.00811	0.39	0.379	< 0.0200 U	--	0.0722	--	--	--	--	--	--	1,010	3,760
MW097P	4/4/2018	REG	0.00869	0.385	0.371	< 0.100 U	--	0.0554	--	--	--	--	--	--	965	3,670
MW097P	4/16/2019	REG	0.0111 J	0.479	0.36	< 0.500 U	--	0.0557	--	--	--	--	--	--	1,010	3,480
MW097P	3/12/2020	REG	0.0112	0.457	0.446 J	< 0.100 U	--	0.0733	--	--	--	--	--	--	576	3610
MW097P	3/11/2021	REG	0.0111	0.446	0.467	< 0.100 U	--	0.0559	--	--	--	--	--	--	959	913
MW099	5/11/2017	REG	0.0375	0.00134 J	< 0.0100 U	0.0509 J	--	0.387	--	--	--	--	--	--	74	336
MW099	9/21/2017	REG	0.0297	< 0.00400 U	< 0.0100 U	0.0705 J	--	0.322	--	--	--	--	--	--	66.9	496
MW099	3/29/2018	REG	0.0124	< 0.00400 U	< 0.0100 U	0.0835	--	0.262	--	--	--	--	--	--	64.8	429
MW099	3/29/2018	FD	0.012	< 0.00400 U	< 0.0100 U	0.0661	--	0.252	--	--	--	--	--	--	67.2	447
MW099	9/13/2018	REG	0.00898 J	< 0.0200 U	< 0.0100 U	< 0.500 U	--	0.219	--	--	--	--	--	--	64.6	496
MW099	4/12/2019	REG	0.00744	< 0.00400 U	< 0.0100 U	0.0423 J	--	0.18	--	--	--	--	--	--	72.8	453
MW099	10/9/2019	REG	0.01	< 0.00400 U	< 0.0100 U	0.0626 J	--	0.195	--	--	--	--	--	--	67.1	486
MW099	3/11/2020	REG	0.0124	< 0.00400 U	< 0.0100 U	0.146	--	0.207	--	--	--	--	--	--	70.2	502
MW099	3/11/2021	REG	0.00618	< 0.00400 U	< 0.0100 U	0.188	--	0.153	--	--	--	--	--	--	72.1	542
MW100	5/9/2017	REG	0.00793	0.00191 J	< 0.0100 U	0.151 J	--	0.184	--	--	--	--	--	--	690	1,780
MW100	5/9/2017	FD	0.00873	0.00209 J	< 0.0100	0.212 J	--	0.246	--	--	--	--	--	--	632	1,700
MW100	9/20/2017	REG	0.0129	0.00223 J	< 0.0100 U	0.528	--	0.124	--	--	--	--	--	--	667 J	1,640 J
MW100	9/20/2017	FD	0.0139	0.00125 J	< 0.0100 U	0.426	--	0.116	--	--	--	--	--	--	216 J	760 J
MW100	3/22/2018	REG	0.00858	< 0.00400 U	< 0.0100 U	0.0727	0.0385	0.172	--	--	--	--	--	--	743	2,200
MW100	9/11/2018	REG	0.00935	< 0.00400 U	< 0.0100 U	0.0583 J	--	0.253	--	--	--	--	--	--	789	1,640
MW100	9/11/2018	FD	0.00906	< 0.00400 U	< 0.0100 U	0.0569 J	--	0.223	--	--	--	--	--	--	865	1,730
MW100	4/11/2019	REG	0.0106	0.00733	< 0.0100 U	0.36	--	0.299	--	--	--	--	--	--	948	1,900
MW100	4/11/2019	FD	0.0106	0.00692	< 0.0100 U	0.345	--	0.303	--	--	--	--	--	--	976	1,970
MW100	10/8/2019	REG	0.00952	0.000802 J	< 0.0100 U	0.0928 J	--	0.27	--	--	--	--	--	--	899	2,210
MW100	3/10/2020	REG	0.00818	< 0.00400 U	< 0.0100	0.0440 J	--	0.456	--	--	--	--	--	--	1070 J	2330
MW100	9/24/2020	REG	0.00918	0.00173 J	< 0.0100 U	0.289	--	0.146	--	--	--	--	--	--	1050	2520
MW100	3/9/2021	REG	0.0089	0.000681 J	< 0.0100 U	0.0766 J	--	0.497	--	--	--	--	--	--	981	2,630
MW100	10/12/2021	REG	0.00634	< 0.00400 U	< 0.0100 U	< 0.100 U	--	0.416	--	--	--	--	--	--	888	2,260
MW70A	5/11/2017	REG	0.0182	0.00348 J	< 0.0100 U	0.00351 J	--	0.000259 J	--	--	--	--	--	--	49.3	414
RW003	5/5/2017	REG	0.0792	< 0.00400 U	< 0.0100 U	38.7	--	1.21	--	--	--	--	--	--	509	2,460
RW004A	5/4/2017	REG	0.036	0.0285	< 0.0100 U	23.1	--	0.274	--	--	--	--	--	--	573	3,310
Teague	5/11/2017	REG	0.00457	0.00844	< 0.0100 U	0.0466 J	--	0.0185	--	--	--	--	--	--	1,170	2,830
Trip Blank	5/5/2017	TB	--	--	--	--	--	--	< 0.002 U	< 0.002 U	< 0.002 U	< 0.002 U	--	--	--	--
Trip Blank	5/9/2017	TB	--	--	--	--	--	--	< 0.002 U	< 0.002 U	< 0.002 U	< 0.002 U	--	--	--	--
Trip Blank	5/10/2017	TB	--	--	--	--	--	--	< 0.002 U	< 0.002 U	< 0.002 U	< 0.002 U	--	--	--	--
Trip Blank	5/11/2017	TB	--	--	--	--	--	--	< 0.002 U	< 0.002 U	< 0.002 U	< 0.002 U	--	--	--	--
WoodellWW	5/11/2017	REG	0.0095	0.115	0.113	0.0826 J	--	0.000684 J	--	--	--	--	--	--	532	1,630

APPENDIX G

2021 Mann-Kendall Trend Analysis

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Table G-1. Mann-Kendall Results Summary
Appendix G. 2020 Mann-Kendall Trend Analysis
2020 Aunnual Groundwater Monitoring Report
Former Eunice North Gas Plant
Eunice, Lea County, New Mexico

ARCADIS Design & Consultancy for natural and built assets

Constituent	Monitoring Well	NMWQCC Standard (mg/L)	Start Date [1]	End Date	Summary Statistics						Mann-Kendall			
					n	% ND	Minimum Concentration (mg/L)	Maximum Concentration (mg/L)	Most Recent Concentration (mg/L)	CV	S-Statistic	p-value	Trend Determination	Significance [2]
Dissolved Chromium	**Western and southern plumes (upgradient; offsite)**													
	MW094	0.05	5/13/2016	3/11/2021	7	0	0.535	1.81	0.535	0.3	-11	0.068	Decreasing	Significant
	MW058	0.05	5/16/2016	3/12/2021	7	0	2.46	3.64 DX	3.64 DX	0.2	21	< 0.01	Increasing	Significant
	MW013	0.05	5/16/2016	10/14/2021	12	0	0.536	2.54	0.536	0.4	26	0.043	Increasing	Significant
	Eastern Plume (downgradient; offsite)													
	MW041A	0.05	5/16/2016	3/9/2021	9	0	0.189	0.213	0.213	0.04	3	0.421	Stable	NS
	MW051SA (since 2017)	0.05	5/10/2017	3/10/2021	8	0	0.699	0.818	0.705	0.06	-20	< 0.01	Decreasing	Significant
	MW085SA	0.05	5/17/2016	10/12/2021	12	0	0.0101	0.0696	0.0217	0.5	32	0.017	Increasing	Significant
	MW086SA	0.05	5/18/2016	10/12/2021	12	0	0.0277	0.0762	0.0457	0.3	0	0.527	Stable	NS
Chloride	**Western and southern plumes (offsite)**													
	MW069	250	5/13/2016	10/14/2021	12	0	715	20,900	2,160	0.9	-2	0.473	Stable	NS
	MW094	250	5/13/2016	3/11/2021	7	0	854	1,130	854	0.1	-11	0.068	Decreasing	Significant
	MW032	250	5/13/2016	10/14/2021	11	0	231	428	308	0.2	27	0.02	Increasing	Significant
	MW058	250	5/16/2016	3/12/2021	7	0	995 J	1,330	1,330	0.1	5	0.281	Stable	NS
	MW013	250	5/16/2016	10/14/2021	12	0	255	978	760	0.2	10	0.27	Stable	NS
	Onsite plume													
	MW047	250	5/20/2016	10/15/2021	11	0	241	498	241	0.3	-37	< 0.01	Decreasing	Significant
	Eastern Plume (offsite)													
	MW041A	250	5/16/2016	3/9/2021	9	0	377	488	382	0.09	-2	0.460	Stable	NS
	MW051SA	250	5/18/2016	3/10/2021	9	0	1,030	1,360	1,050	0.1	-10	0.179	Stable	NS
	MW085SA	250	5/17/2016	10/12/2021	12	0	1,070	1,650	1,390	0.1	-2	0.473	Stable	NS
	MW073SA	250	5/17/2016	10/13/2021	12	0	189	2,100	542	0.8	22	0.075	Increasing	Significant
	MW086SA (since 2017)	250	5/9/2017	10/12/2021	10	0	916	1,470	1,400	0.1	-13	0.146	Stable	NS
	MW100	250	5/9/2017	10/12/2021	10	0	667 J	1,070 J	888	0.2	25	0.014	Increasing	Significant

Notes:
[1] Trend analysis performed on results following sampling methodology change (spring 2016).
[2] p-value <0.1 indicates a statistically significant trend (90% confidence level).

Acronyms:
< - less than
% - percent
CV - coefficient of variation
D - diluted sample
J - estimated concentration
mg/L - milligrams per liter
ND - nondetect
NMWQCC - New Mexico Water Quality Control Commission
NS - not significant
X - recoveries were found to beoutside of the laboratory control limits due to possible matrix /chemical interference, or a concentration of target analyte high enoughto affect the recovery of the spike concentration.

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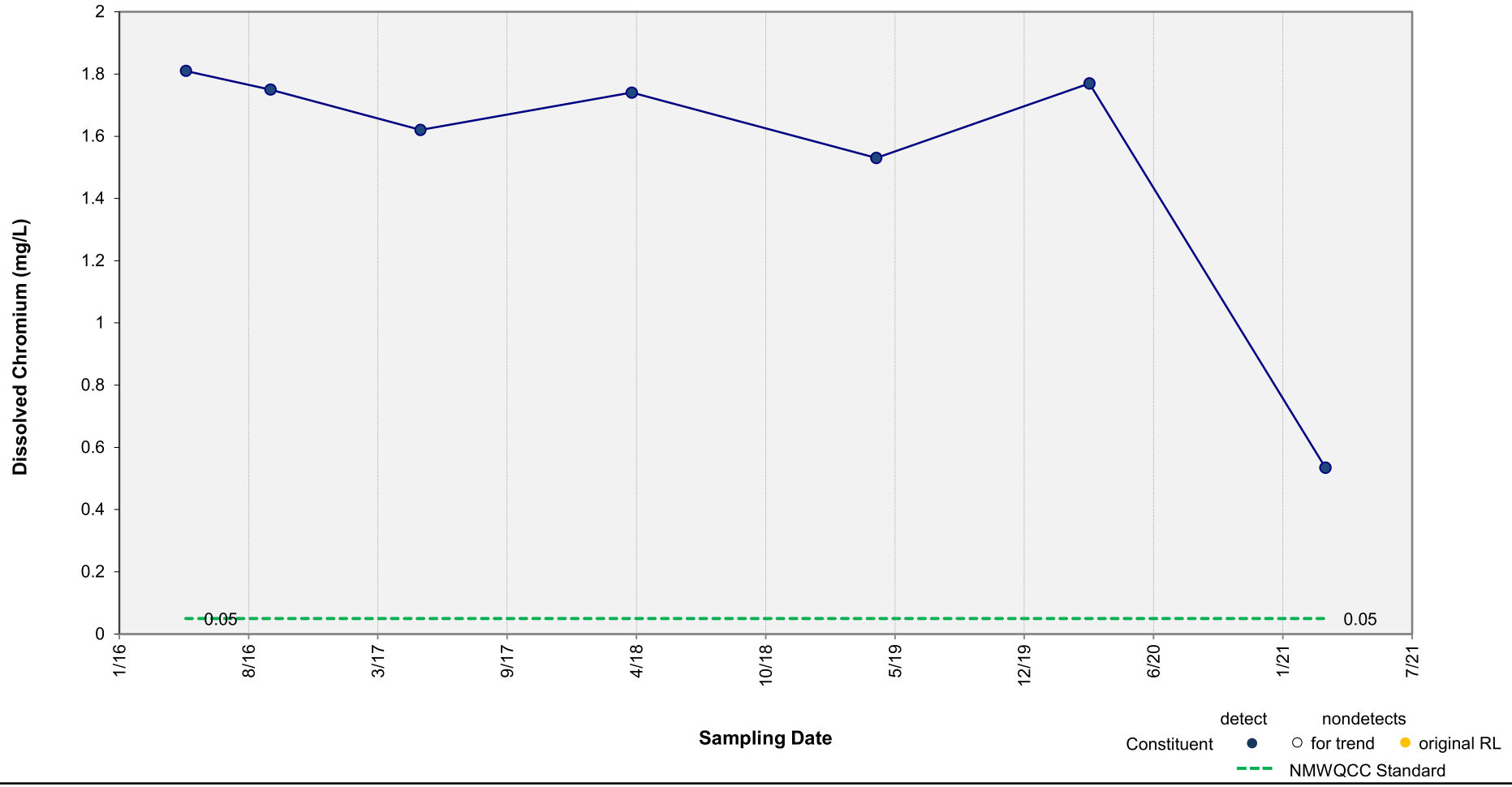

Results of Mann-Kendall Test for Trend: **DECREASING TREND**

p value = 0.068 Note: p value < 0.1 indicates a statistically significant trend (90% confidence level).

ARCADIS

Concentration vs. Time Plot - Dissolved Chromium in MW094

Eunice North

Figure G-1

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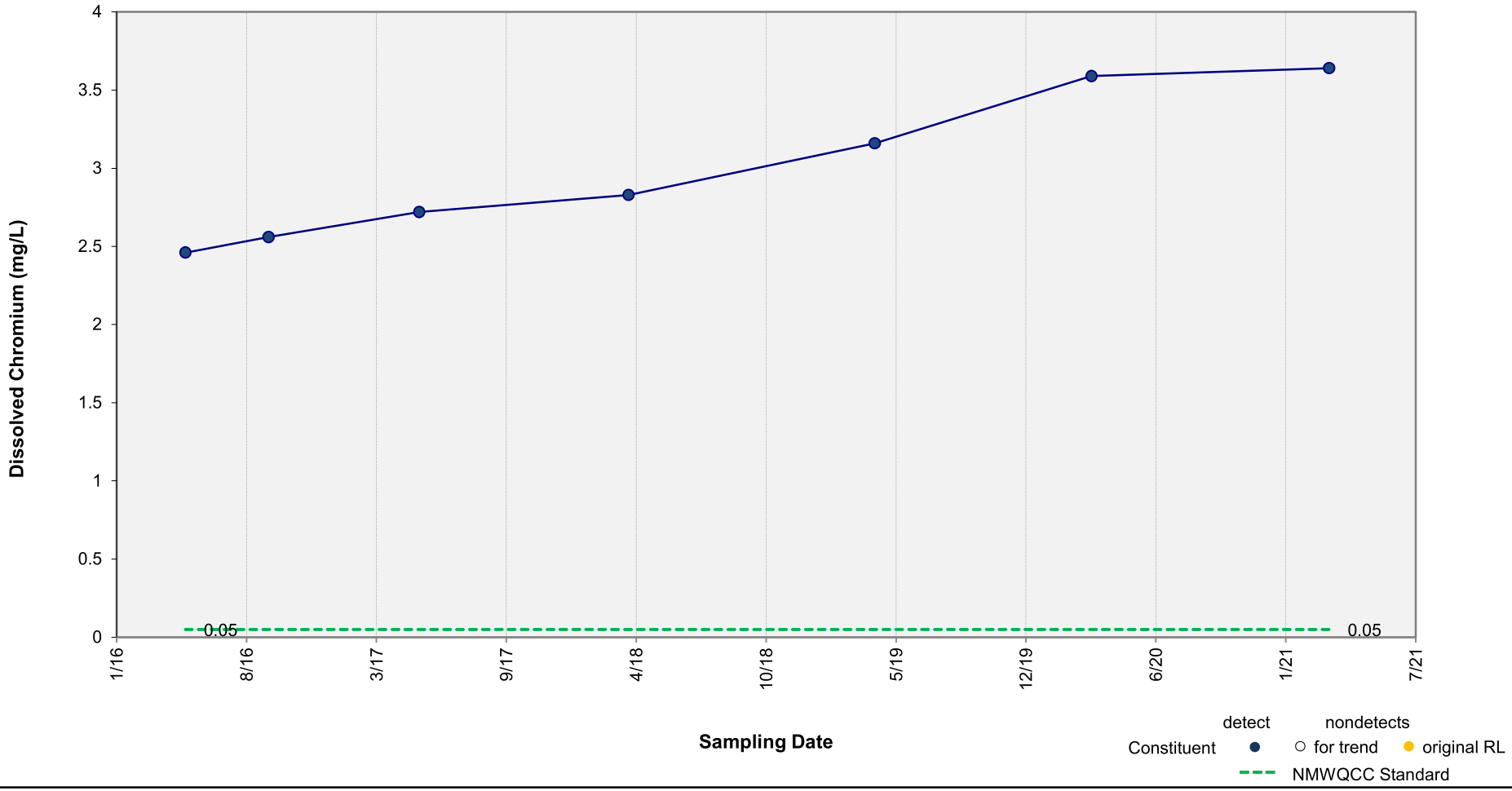

Results of Mann-Kendall Test for Trend: **INCREASING TREND**

p value = <0.001 Note: p value < 0.1 indicates a statistically significant trend (90% confidence level).

ARCADIS

Concentration vs. Time Plot - Dissolved Chromium in MW058

Eunice North

Figure G-2

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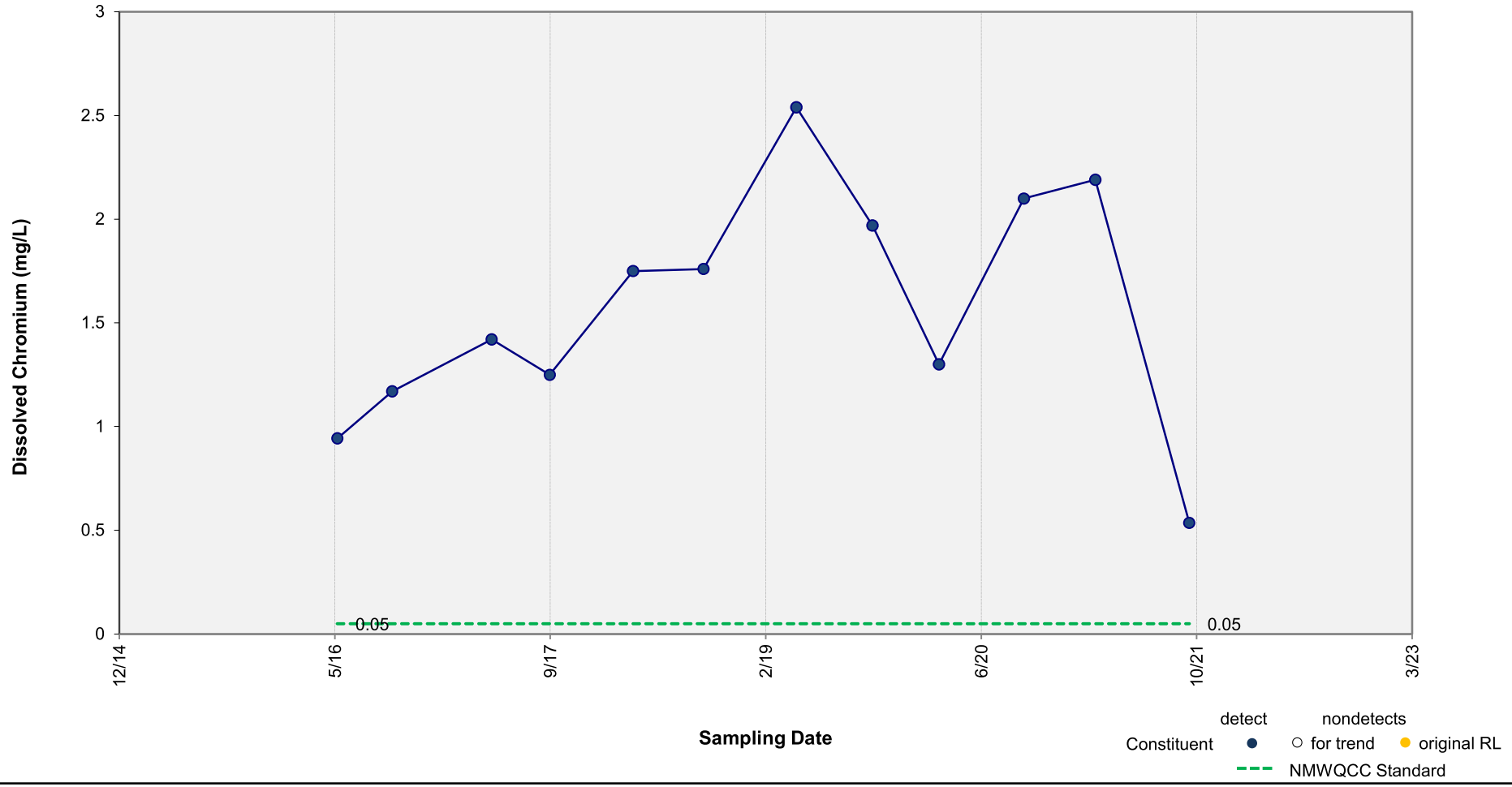

Results of Mann-Kendall Test for Trend: **INCREASING TREND**

p value = 0.043 Note: p value < 0.1 indicates a statistically significant trend (90% confidence level).

ARCADIS

Concentration vs. Time Plot - Dissolved Chromium in MW013

Eunice North

Figure G-3

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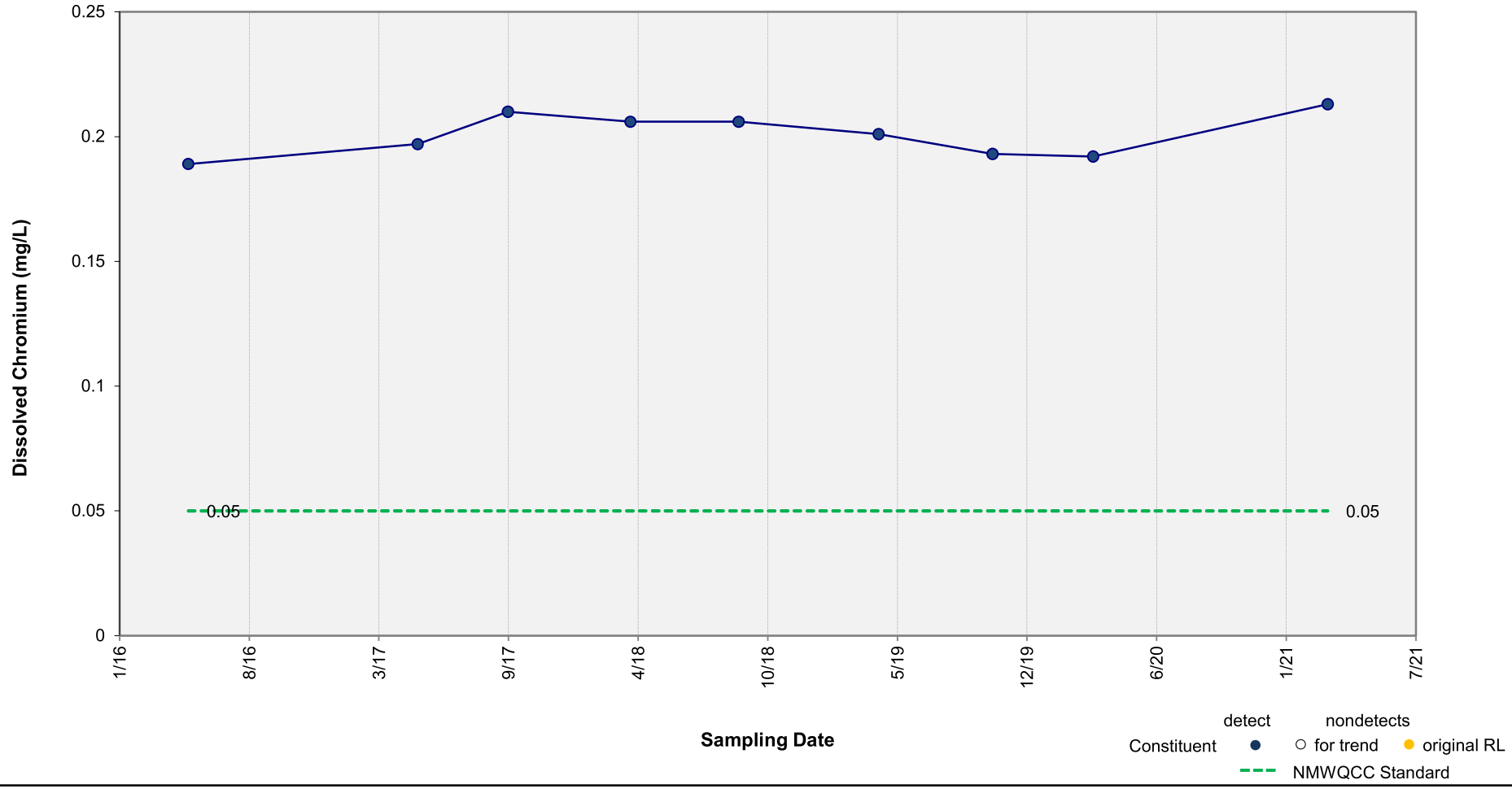

Results of Mann-Kendall Test for Trend: **Stable**

p value = 0.421 Note: p value < 0.1 indicates a statistically significant trend (90% confidence level).

ARCADIS

Concentration vs. Time Plot - Dissolved Chromium in MW041A

Eunice North

Figure G-4

Released to Imaging: 12/12/2022 10:42:57 AM
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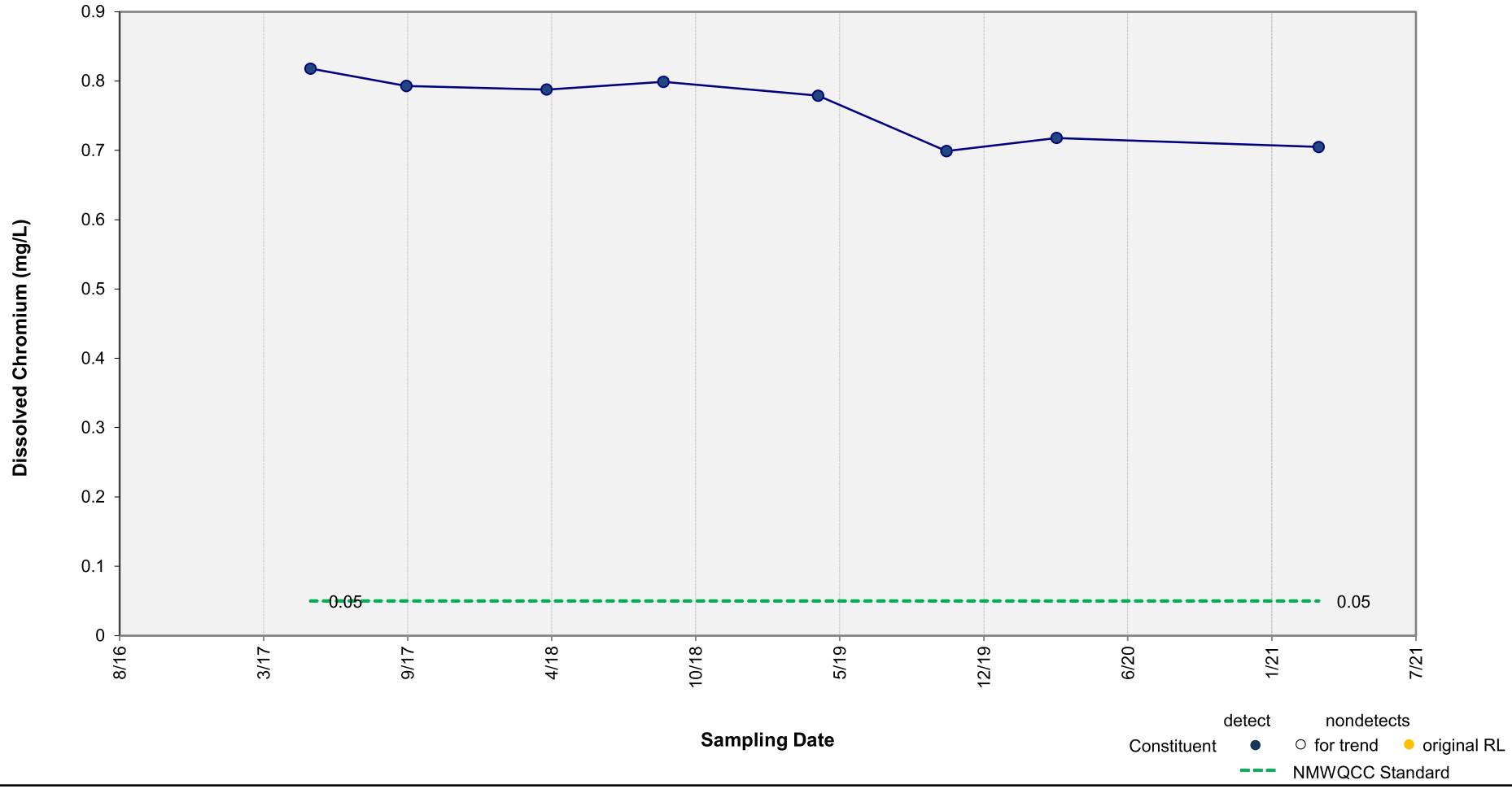


Results of Mann-Kendall Test for Trend: **DECREASING TREND**

p value = 0.007 Note: p value < 0.1 indicates a statistically significant trend (90% confidence level).

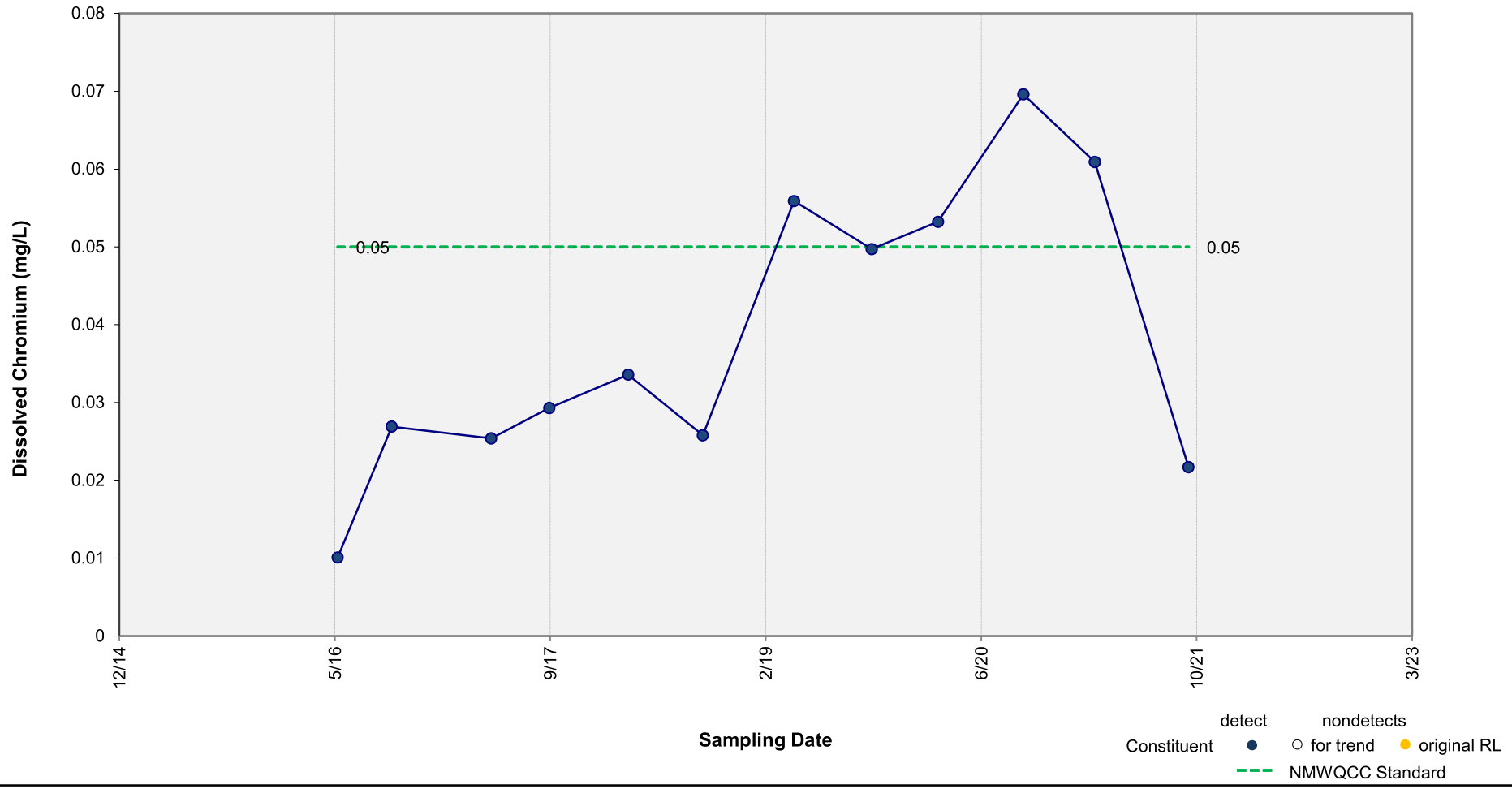
ARCADIS

Concentration vs. Time Plot - Dissolved Chromium in MW051SA (since 2017)

Eunice North

Figure G-5

Released to Imaging: 12/12/2022 10:42:57 AM
Received by OCD: 3/21/2022 2:39:57 PM



Results of Mann-Kendall Test for Trend: **INCREASING TREND**

p value = 0.017 Note: p value < 0.1 indicates a statistically significant trend (90% confidence level).

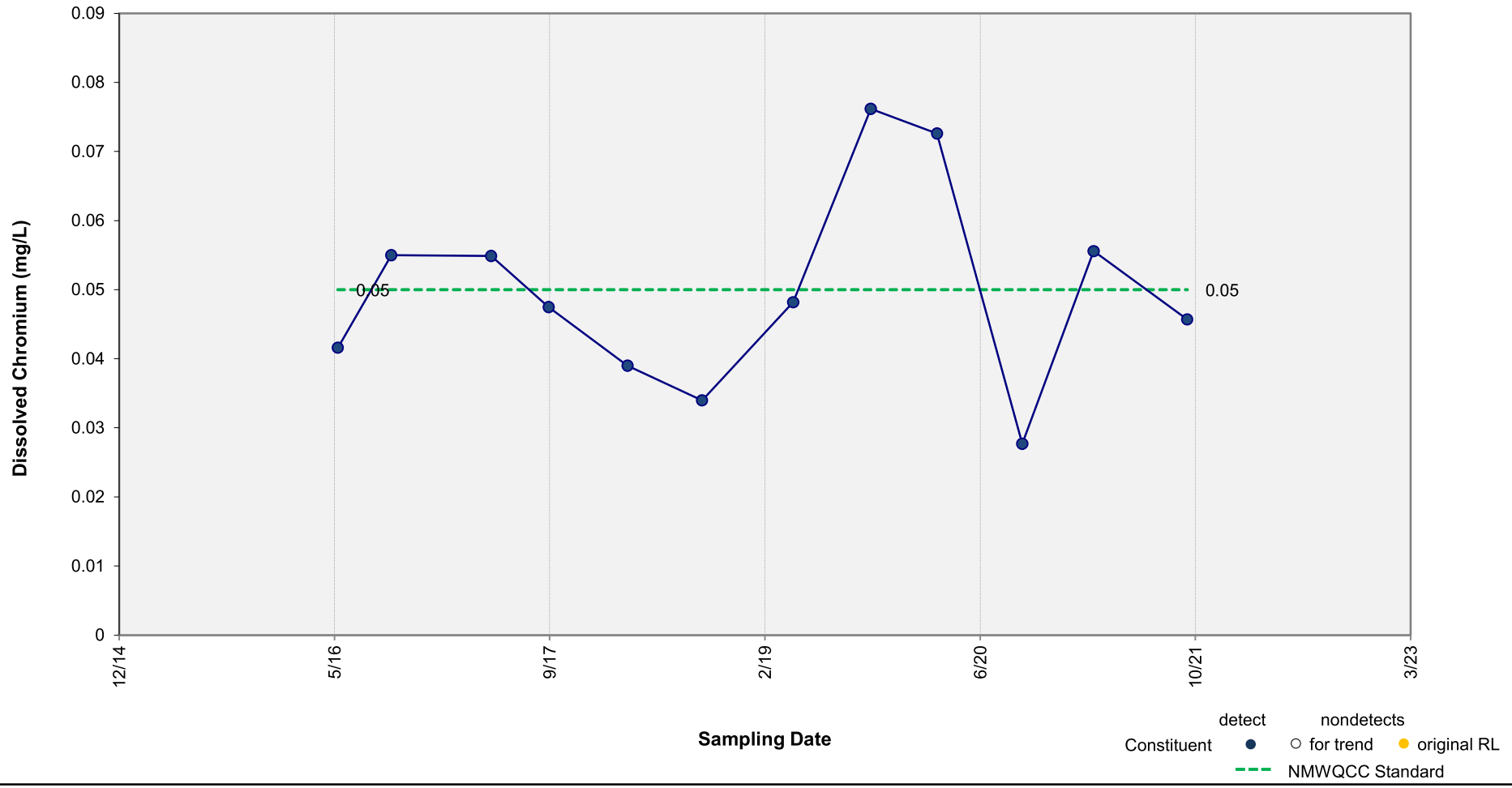
ARCADIS

Concentration vs. Time Plot - Dissolved Chromium in MW085SA

Eunice North

Figure G-6

Released to Imaging: 12/12/2022 10:42:57 AM
Received by OCD: 3/21/2022 2:39:57 PM



Results of Mann-Kendall Test for Trend: **Stable**

p value = 0.527 Note: p value < 0.1 indicates a statistically significant trend (90% confidence level).

ARCADIS

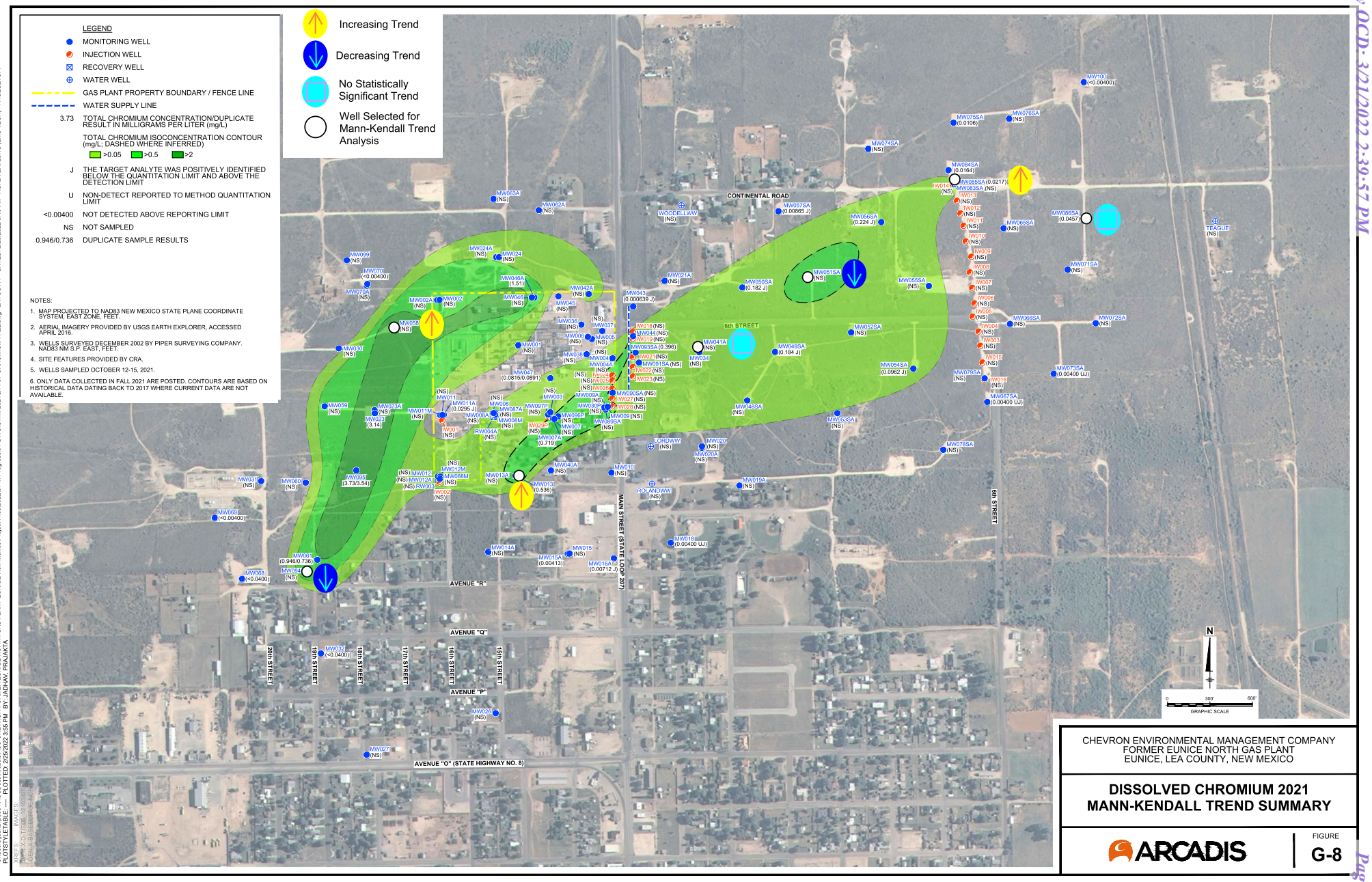
Concentration vs. Time Plot - Dissolved Chromium in MW086SA

Eunice North

Figure G-7

Released to Imaging: 12/12/2022 10:42:57 AM

Received by OCD: 3/21/2022 2:39:57 PM



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

DISSOLVED CHROMIUM 2021 MANN-KENDALL TREND SUMMARY

ARCADIS

FIGURE
G-8

DIV/GROUP: ENV/CAD
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XREFS IMAGES
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Page 153 of 768

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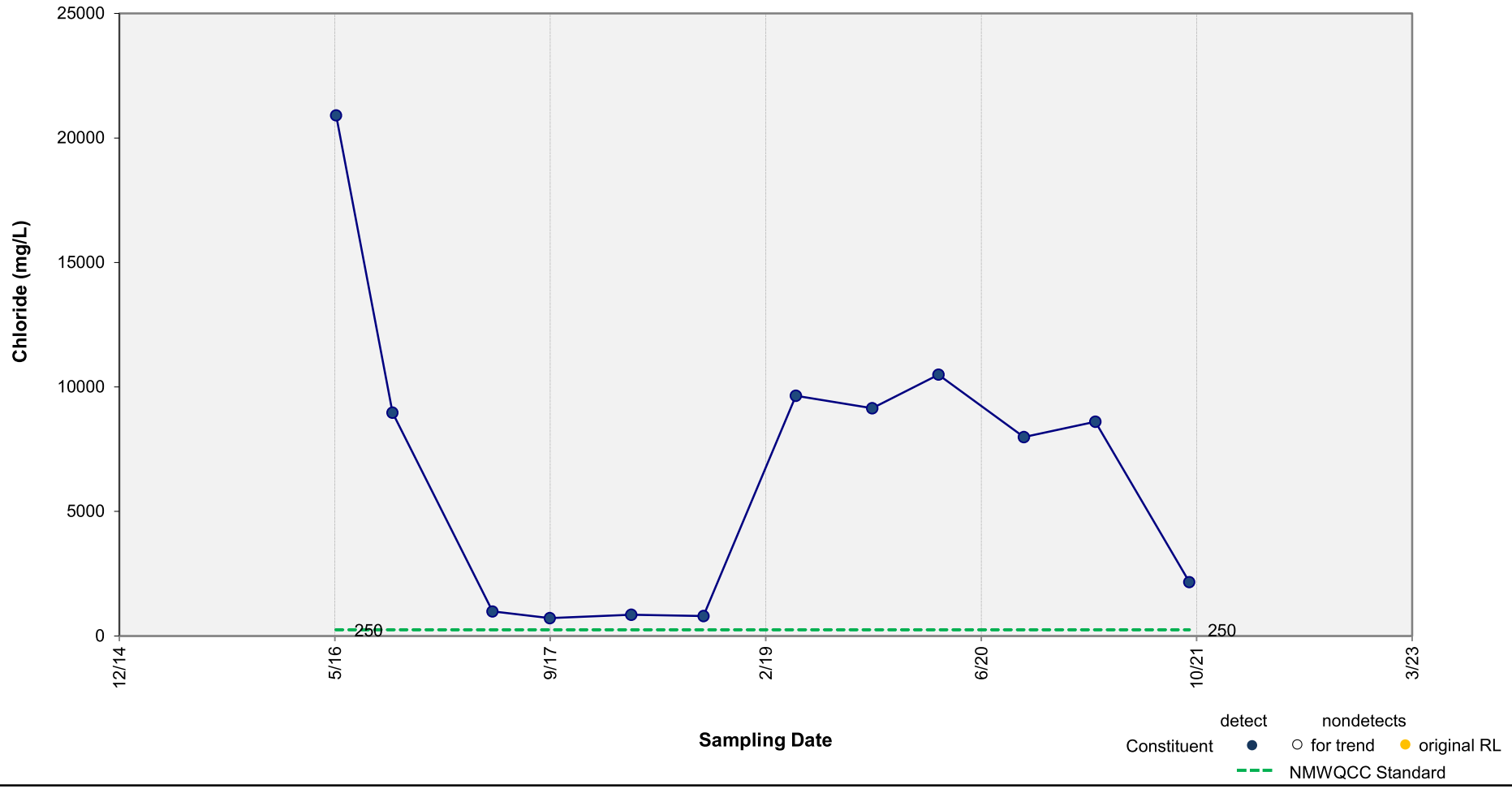

Results of Mann-Kendall Test for Trend: **Stable**

p value = 0.473 Note: p value < 0.1 indicates a statistically significant trend (90% confidence level).

ARCADIS

Concentration vs. Time Plot - Chloride in MW069

Eunice North

Figure G-9

Released to Imaging: 12/12/2022 10:42:57 AM
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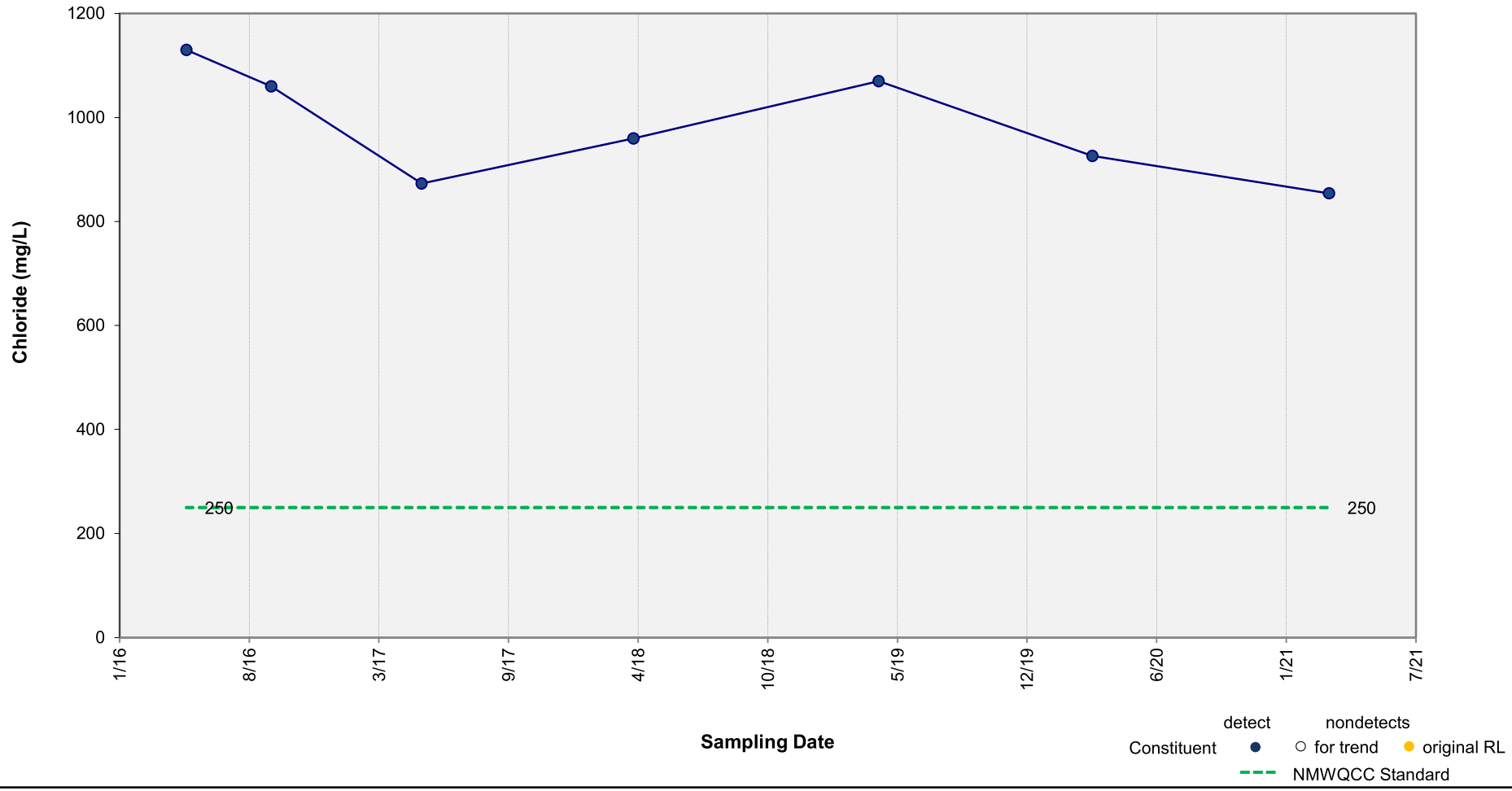

Results of Mann-Kendall Test for Trend: **DECREASING TREND**

p value = 0.068 Note: p value < 0.1 indicates a statistically significant trend (90% confidence level).

ARCADIS

Concentration vs. Time Plot - Chloride in MW094

Eunice North

Figure G-10

Released to Imaging: 12/12/2022 10:42:57 AM
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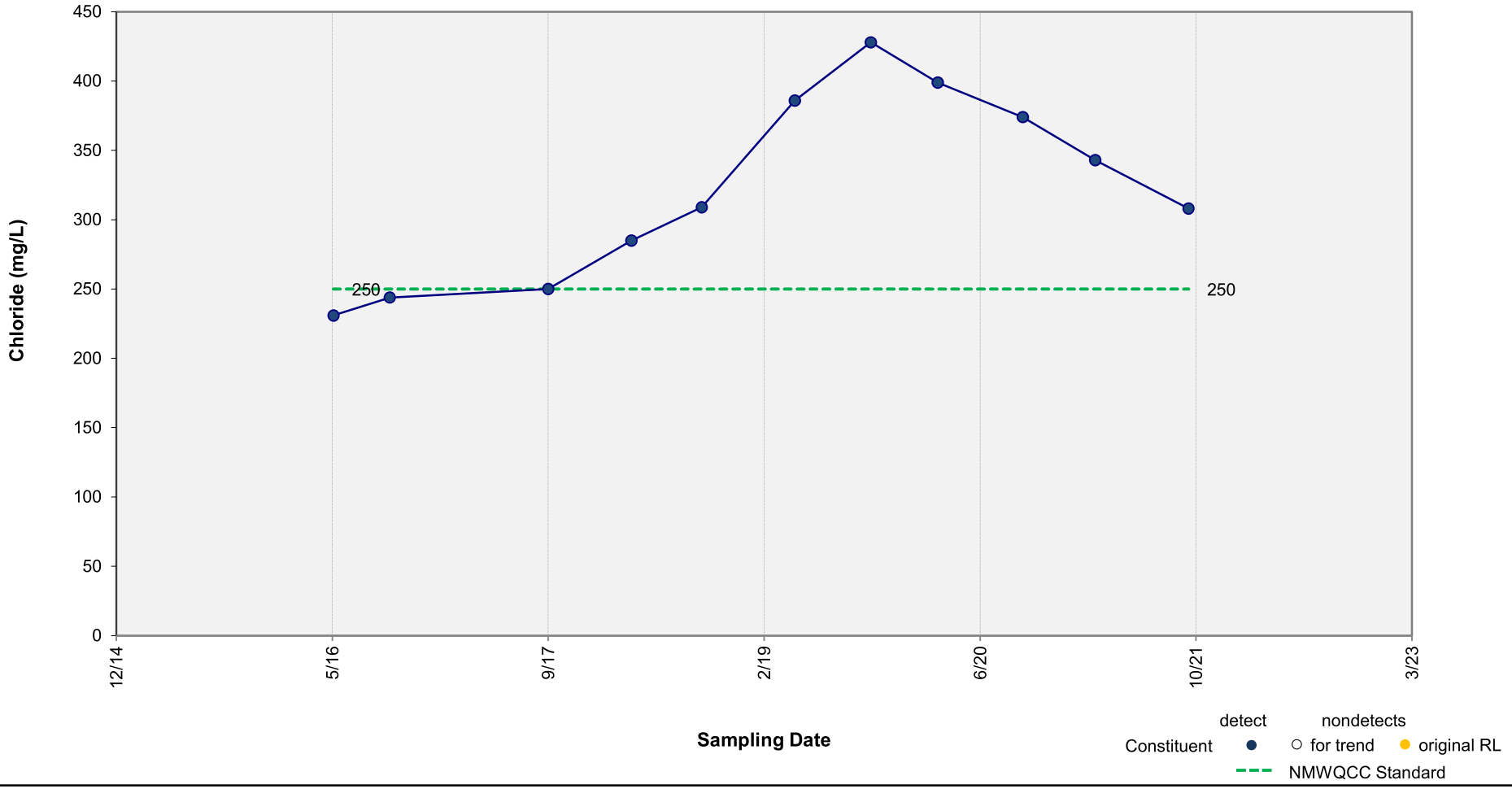

Results of Mann-Kendall Test for Trend: **INCREASING TREND**

p value = 0.021 Note: p value < 0.1 indicates a statistically significant trend (90% confidence level).

ARCADIS

Concentration vs. Time Plot - Chloride in MW032

Eunice North

Figure G-11

Released to Imaging: 12/12/2022 10:42:57 AM
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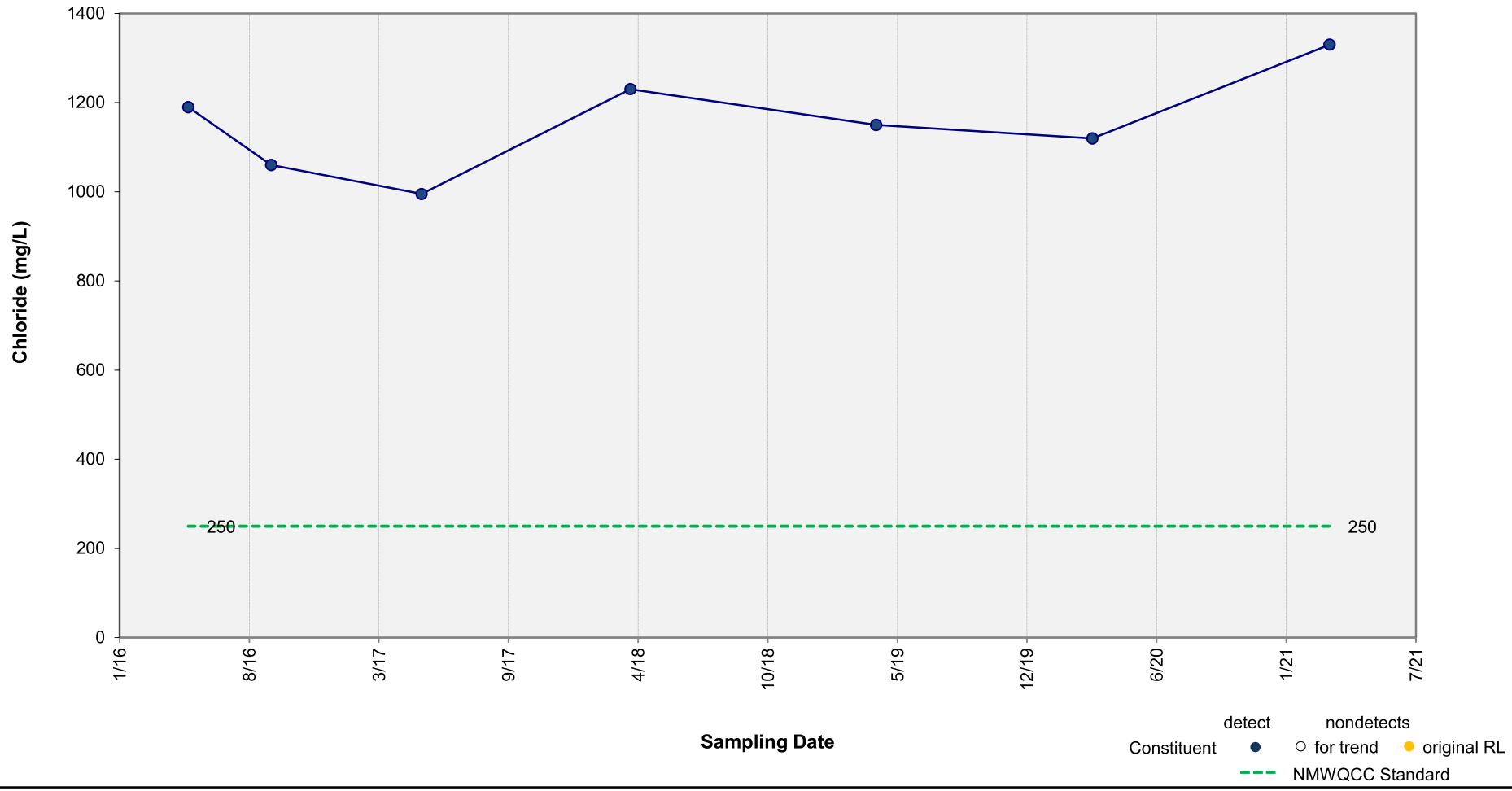

Results of Mann-Kendall Test for Trend: **Stable**

p value = 0.281 Note: p value < 0.1 indicates a statistically significant trend (90% confidence level).

ARCADIS

Concentration vs. Time Plot - Chloride in MW058

Eunice North

Figure G-12

Released to Imaging: 12/12/2022 10:42:57 AM
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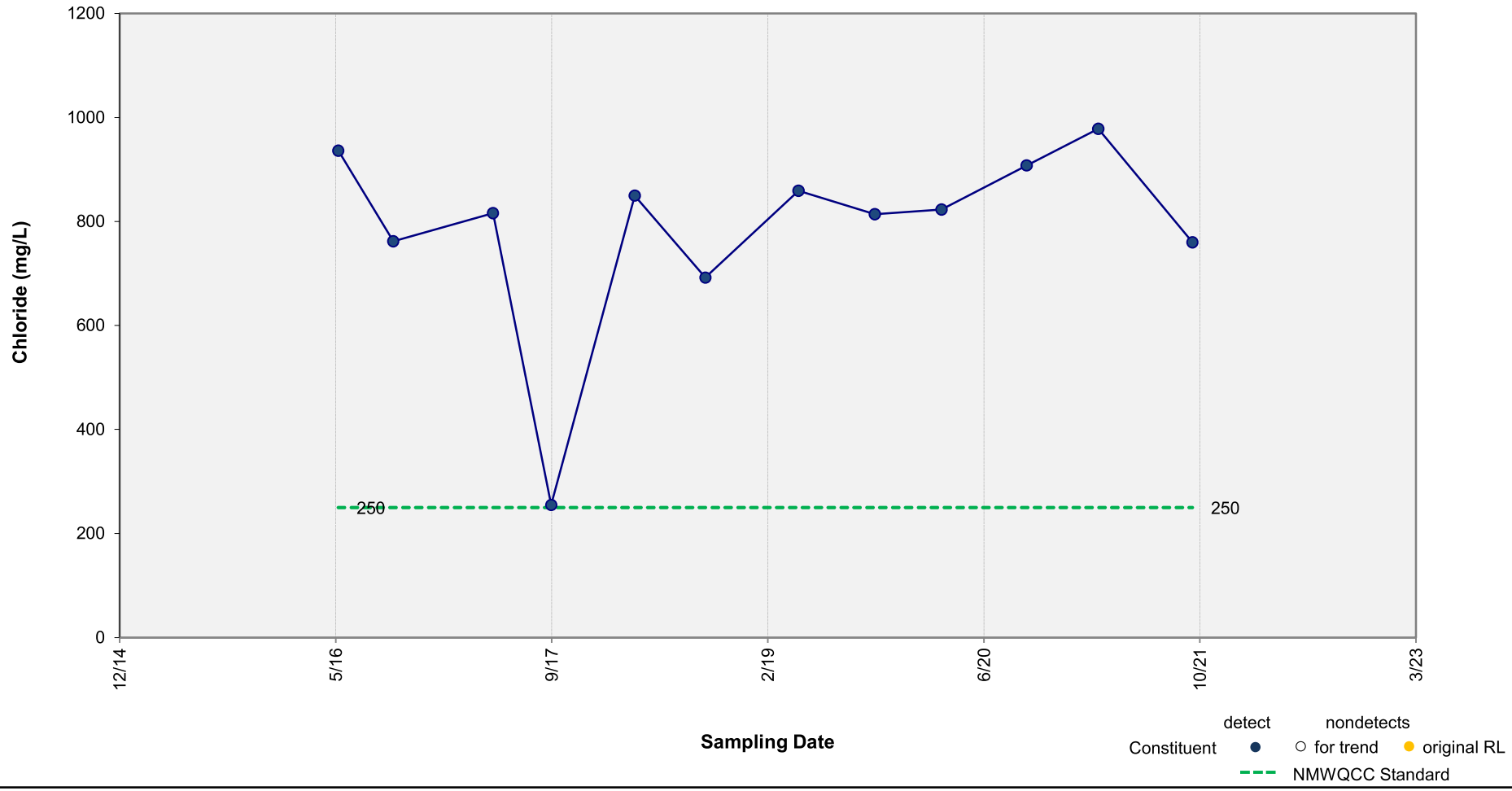

Results of Mann-Kendall Test for Trend: **Stable**

p value = 0.269 Note: p value < 0.1 indicates a statistically significant trend (90% confidence level).

ARCADIS

Concentration vs. Time Plot - Chloride in MW013

Eunice North

Figure G-13

Released to Imaging: 12/12/2022 10:42:57 AM
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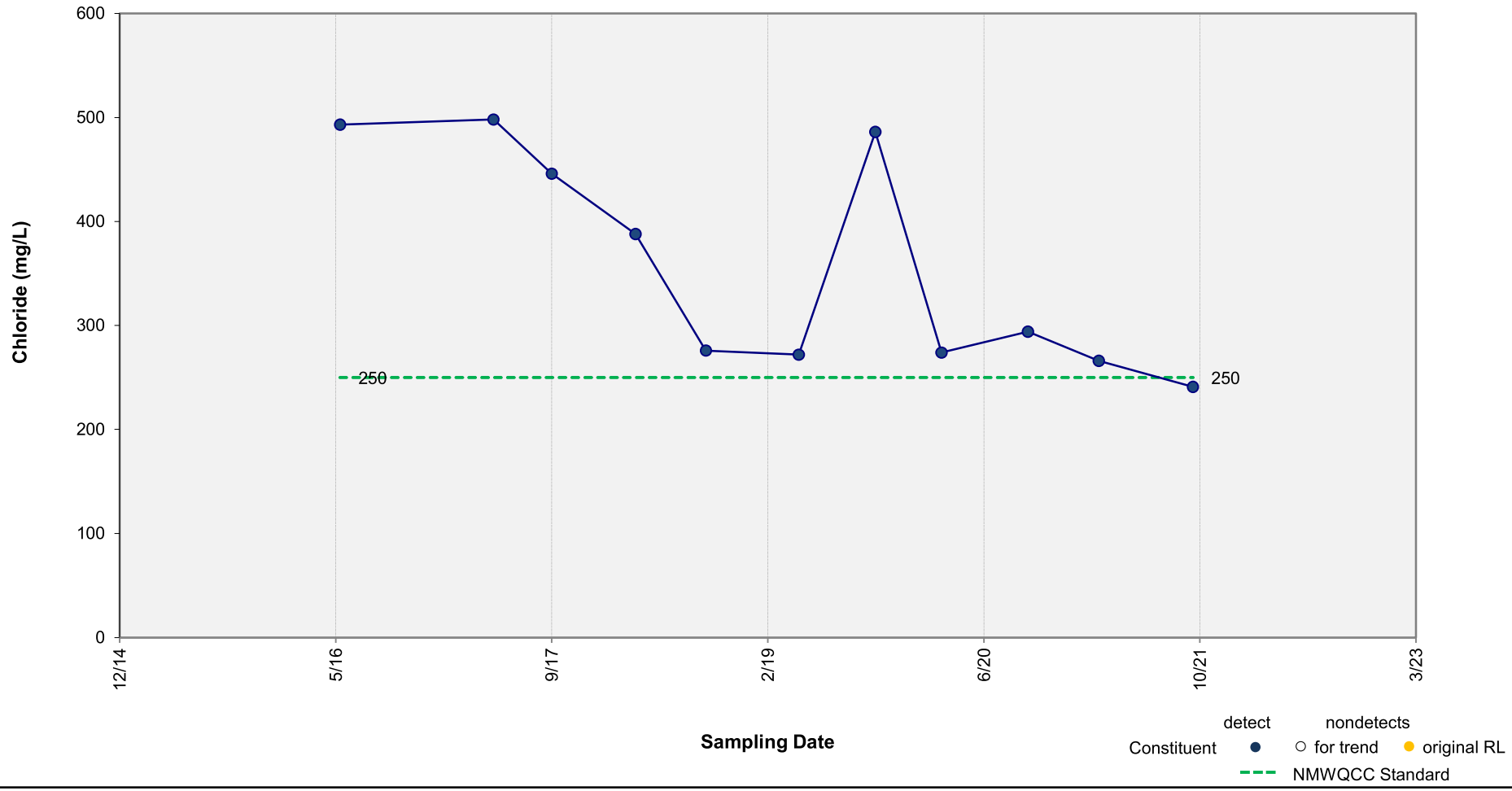

Results of Mann-Kendall Test for Trend: **DECREASING TREND**

p value = 0.003 Note: p value < 0.1 indicates a statistically significant trend (90% confidence level).

ARCADIS

Concentration vs. Time Plot - Chloride in MW047

Eunice North

Figure G-14

Released to Imaging: 12/12/2022 10:42:57 AM
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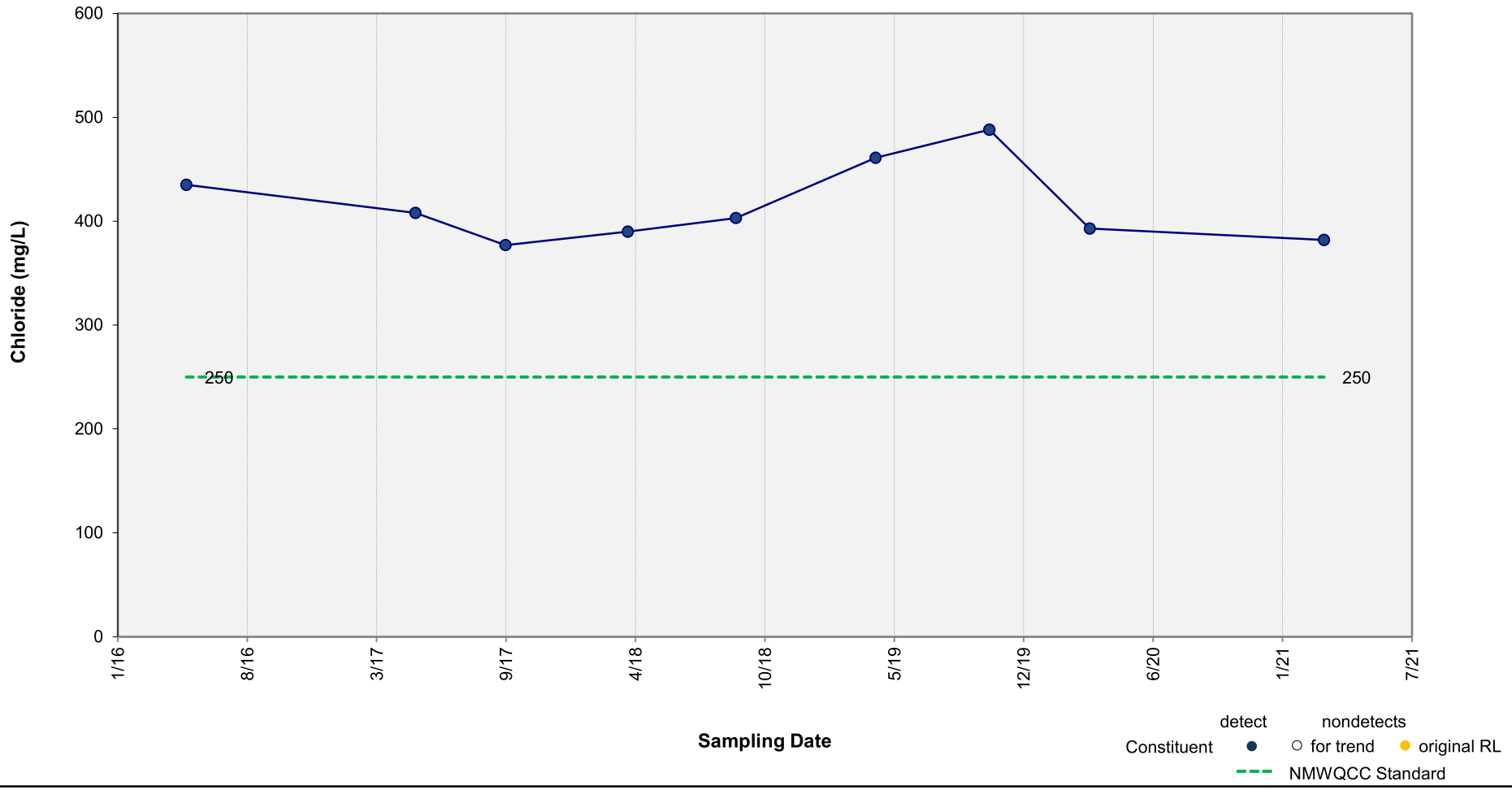

Results of Mann-Kendall Test for Trend: **Stable**

p value = 0.460 Note: p value < 0.1 indicates a statistically significant trend (90% confidence level).

ARCADIS

Concentration vs. Time Plot - Chloride in MW041A

Eunice North

Figure G-15

Released to Imaging: 12/12/2022 10:42:57 AM
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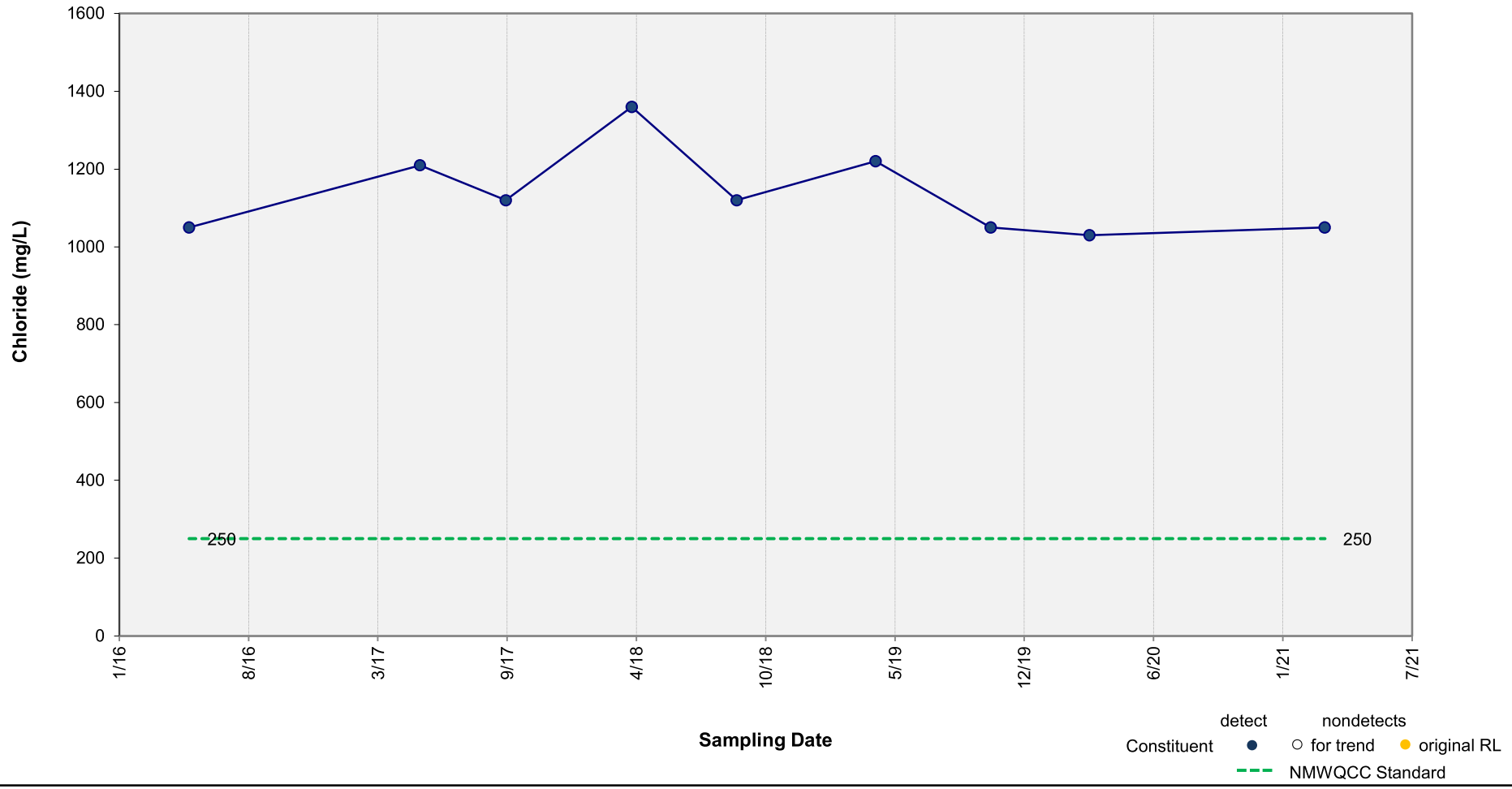

Results of Mann-Kendall Test for Trend: **Stable**

p value = 0.179 Note: p value < 0.1 indicates a statistically significant trend (90% confidence level).

ARCADIS

Concentration vs. Time Plot - Chloride in MW051SA

Eunice North

Figure G-16

Released to Imaging: 12/12/2022 10:42:57 AM
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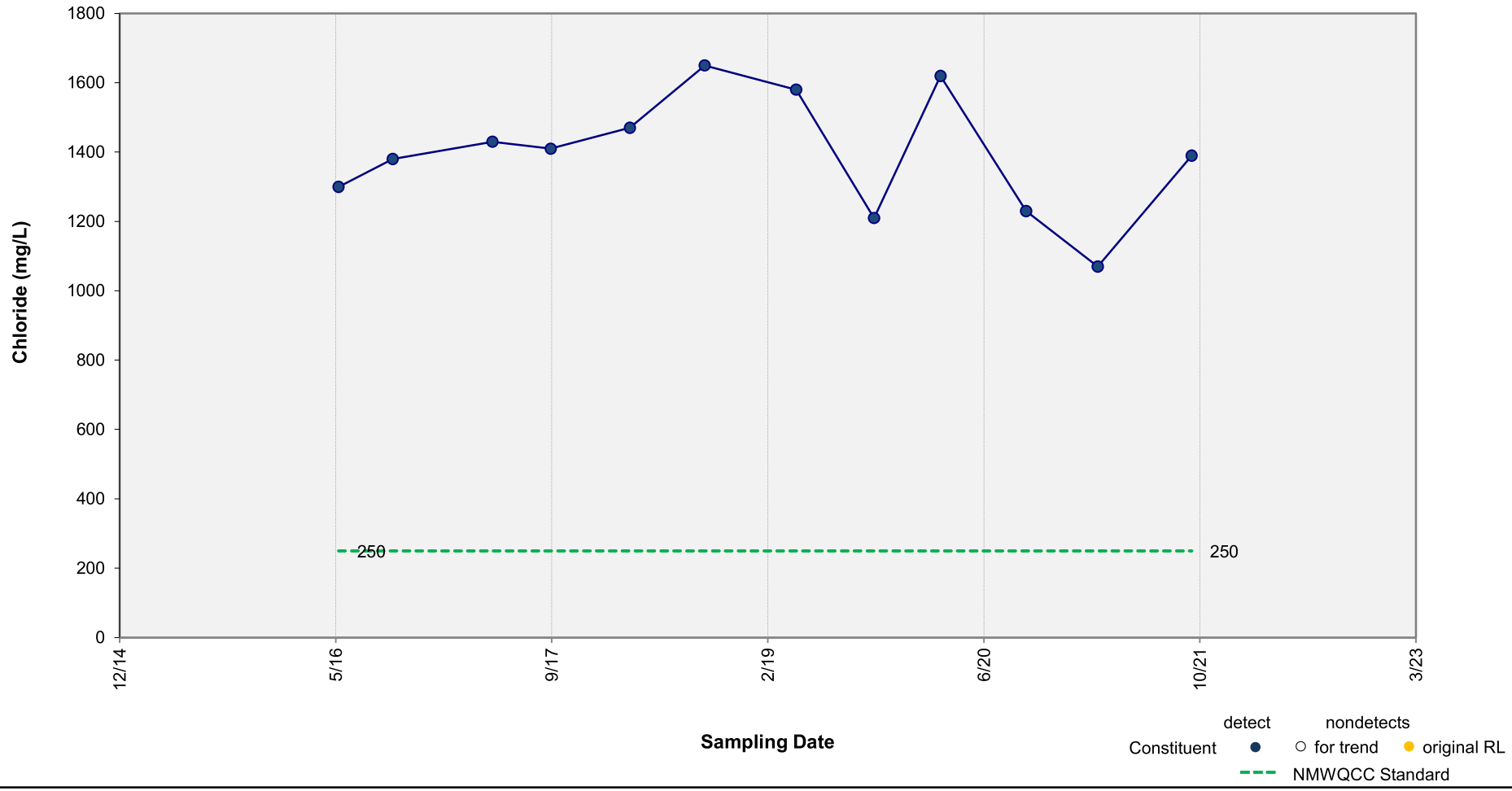

Results of Mann-Kendall Test for Trend: **No Significant Trend**

p value = 0.473 Note: p value < 0.1 indicates a statistically significant trend (90% confidence level).

ARCADIS

Concentration vs. Time Plot - Chloride in MW085SA

Eunice North

Figure G-17

Released to Imaging: 12/12/2022 10:42:57 AM
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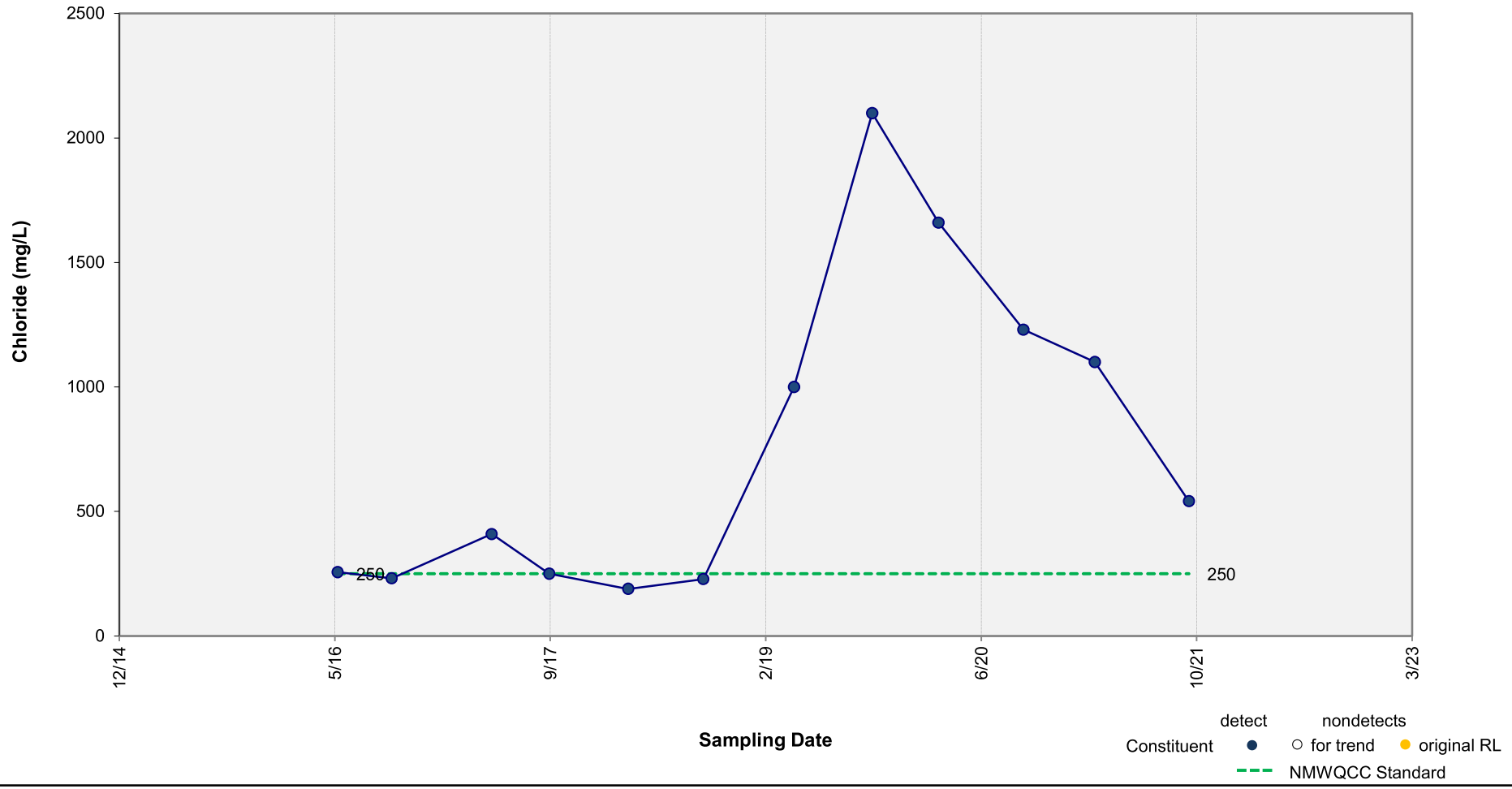

Results of Mann-Kendall Test for Trend: **INCREASING TREND**

p value = 0.075 Note: p value < 0.1 indicates a statistically significant trend (90% confidence level).

ARCADIS

Concentration vs. Time Plot - Chloride in MW073SA

Eunice North

Figure G-18

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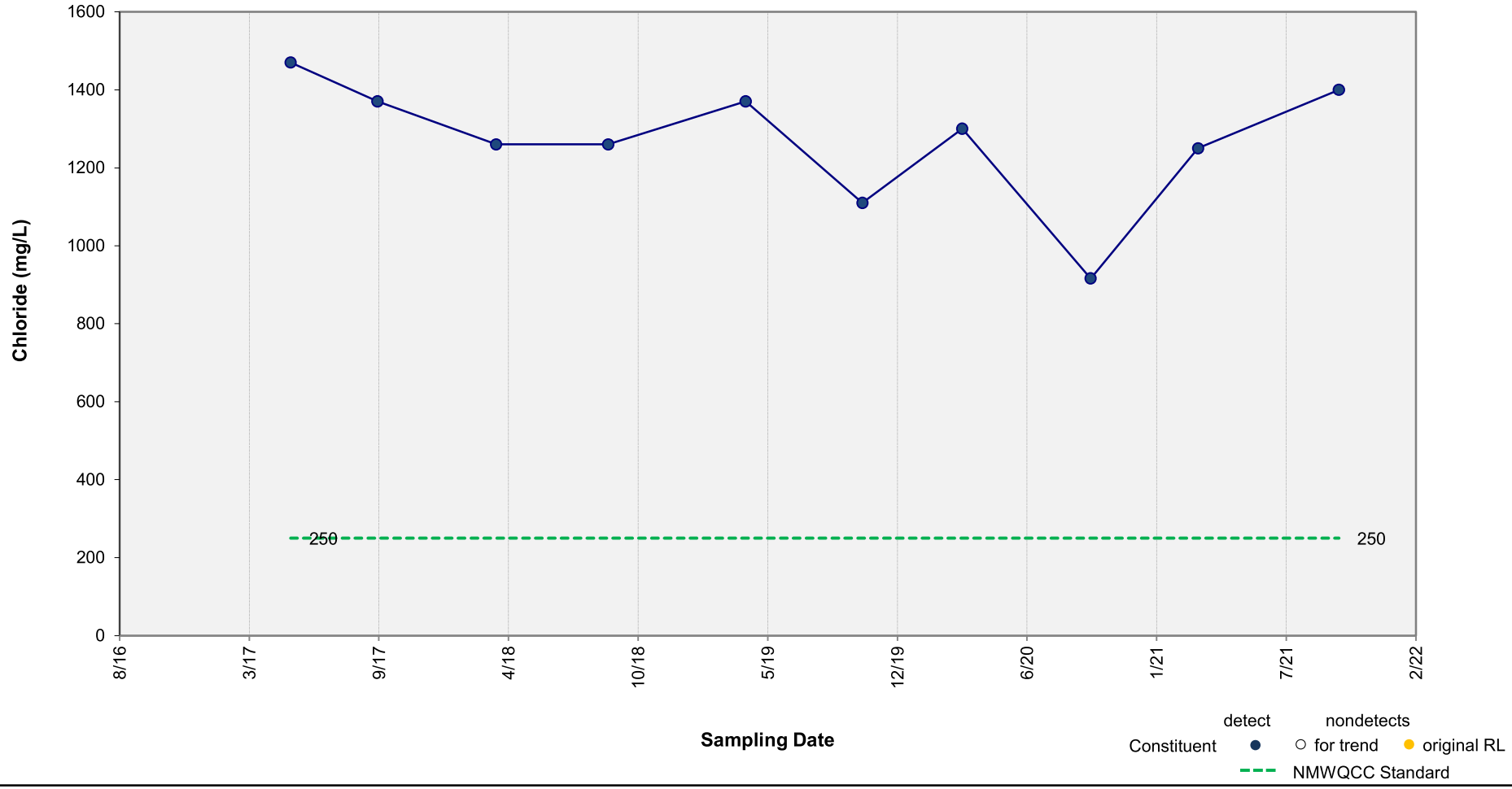

Results of Mann-Kendall Test for Trend: **Stable**

p value = 0.146 Note: p value < 0.1 indicates a statistically significant trend (90% confidence level).

ARCADIS

Concentration vs. Time Plot - Chloride in MW086SA (since 2017)

Eunice North

Figure G-19

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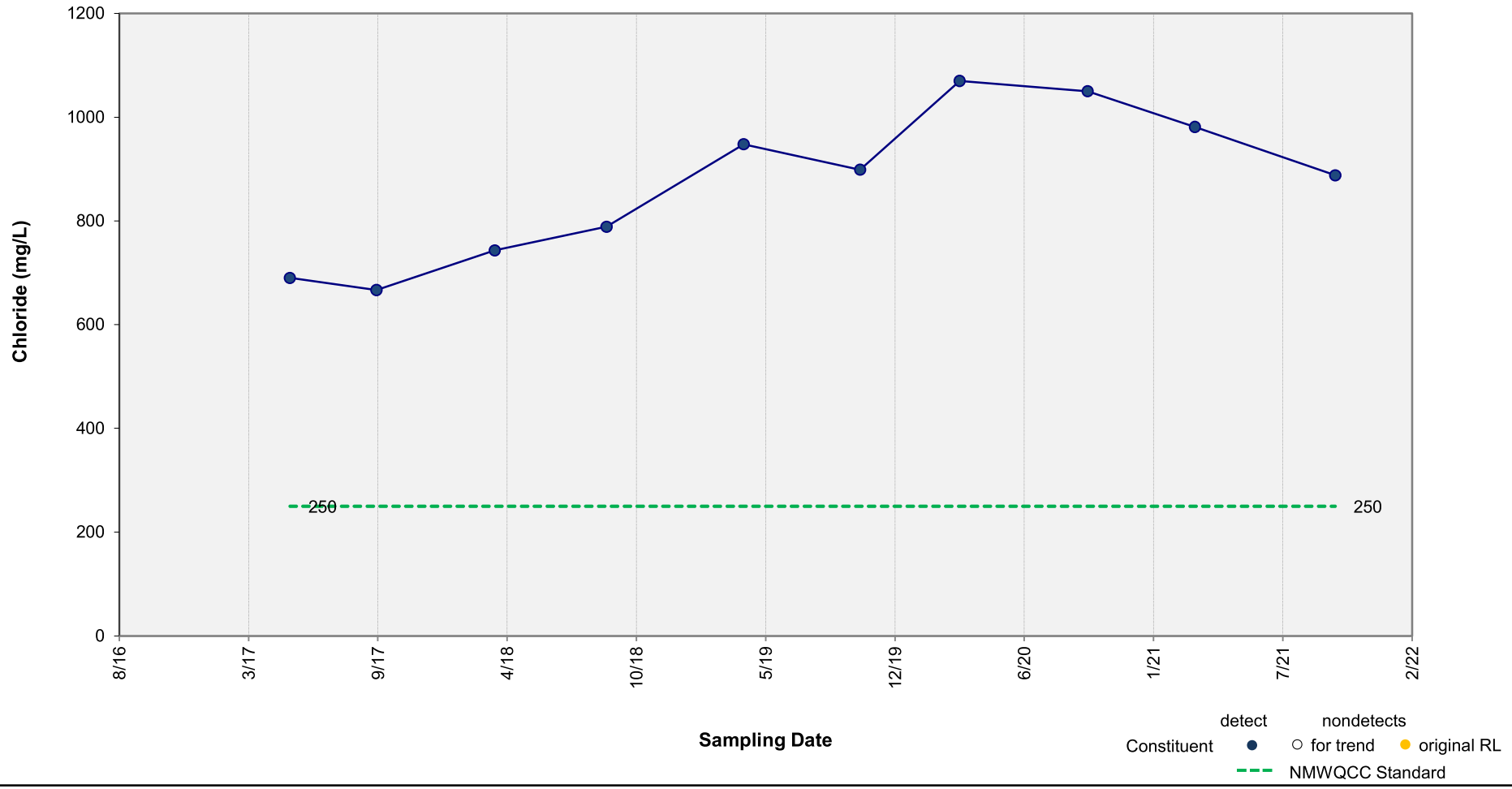

Results of Mann-Kendall Test for Trend: **INCREASING TREND**

p value = 0.014 Note: p value < 0.1 indicates a statistically significant trend (90% confidence level).

ARCADIS

Concentration vs. Time Plot - Chloride in MW100

Eunice North

Figure G-20

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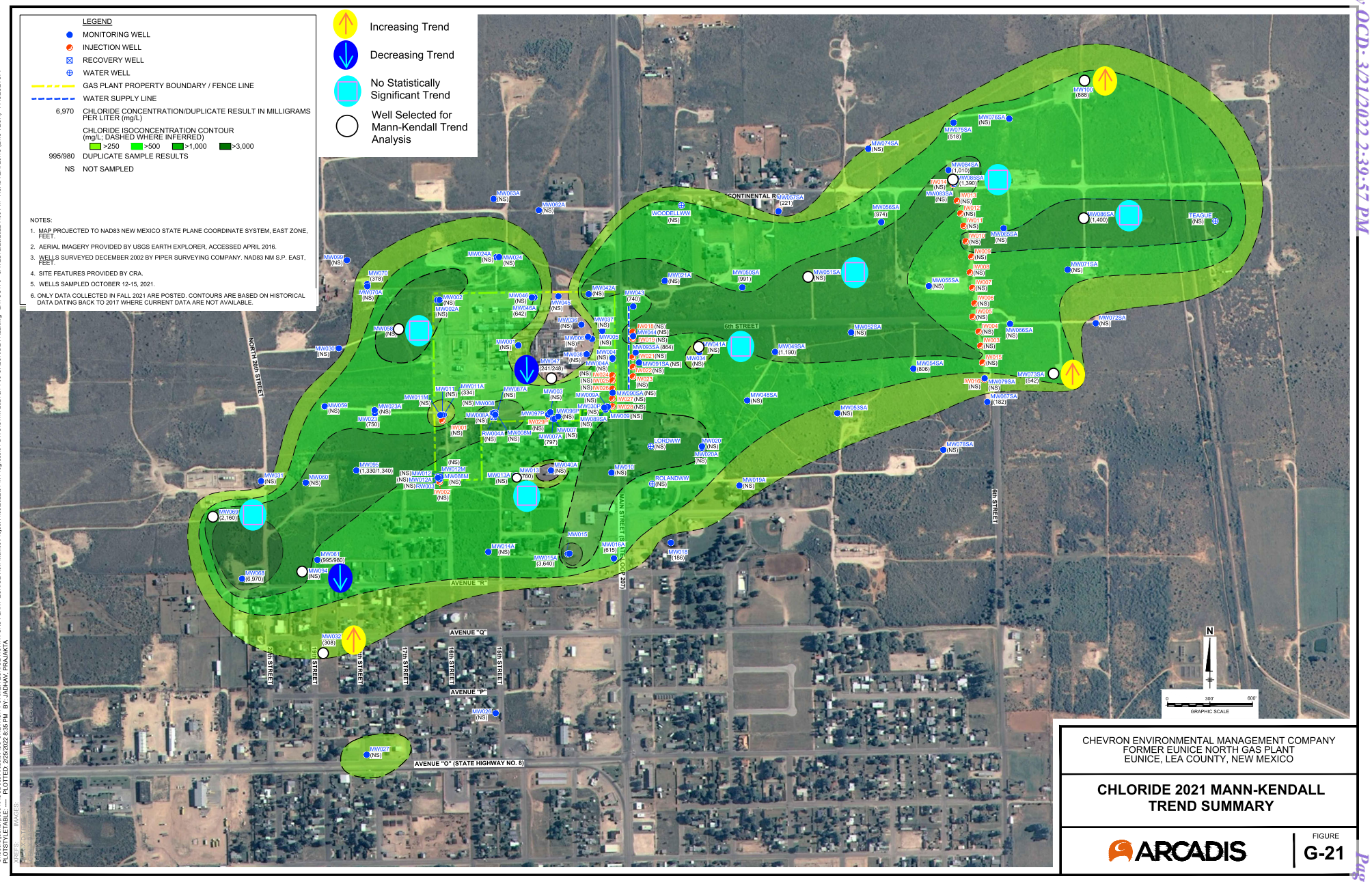

CHEVRON ENVIRONMENTAL MANAGEMENT COMPANY
FORMER EUNICE NORTH GAS PLANT
EUNICE, LEA COUNTY, NEW MEXICO

CHLORIDE 2021 MANN-KENDALL TREND SUMMARY

ARCADIS

FIGURE
G-21

DIV/GROUP: ENV/CAD
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PLOTSTYLETABLE: ---- PLOTTED: 2/25/2022 8:35 PM BY: JADHAV, PRAJAKTA
XREFS: IMAGES:

ARCADIS Design & Consultancy for natural and built assets

Arcadis U.S., Inc.

630 Plaza Drive

Suite 200

Highlands Ranch, Colorado 80129

Tel 720 344 3500

Fax 720 344 3535

www.arcadis.com

APPENDIX A

Site Background Information

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. 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 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.

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-004) 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 (Attachment 1). CEMC submitted a renewal application to the NMOCD on November 11, 2015; however, approval has not yet been received.

Several investigations were conducted between 1996 and 2003 and identified four constituents of concern (COCs) on site: dissolved total and hexavalent chromium, dissolved petroleum hydrocarbons, and total dissolved solids (TDS) represented by chloride. Arsenic, iron, and manganese are also included in the groundwater monitoring requirements set forth by the discharge permit and have been analyzed since 2004.

SAMPLING METHODOLOGY

NMOCD provided approval of CEMC's request for modification of sampling parameters in October 2015, resulting in a subset of six wells sampled and analyzed for BTEX, GRO and DRO during each event.

Prior to 2016, groundwater sampling was completed using low-flow methodology. In April 2016, CEMC submitted a request to change the sample method to no-purge sampling using a HydraSleeve™ (HS). This change was approved by the NMOCD via email on March 25, 2016. Following the approved sampling methodology change, Arcadis submitted a 2017 Sampling and Analysis Plan (2017 SAP; Arcadis 2017) to the NMOCD on March 9, 2017.

Appendix A – Site Background Information

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ATTACHMENT 1

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DISCHARGE PERMIT GW-004

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-004 (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 North Gas Plant (Facility) located at State Highway 207 (Eunice-Hobbs Highway) Eunice, New Mexico 88231 in the NE/4 of the SE/4 of Section 28, Township 21 South, Range 37 East, NMPM, Lea County, New Mexico.

As a result of historical operations at the site, Chevron is proposing to remediate chromium contaminated ground water by injecting 5 percent solution of sodium dithionite and/or a 10 percent soy lactate solution in injection wells to remediate contaminated ground water. Chevron will mix 2800 gallons fresh water with a five percent solution of sodium dithionite and/or mix 2800 gallons fresh water with ten percent soy lactate solution to generate a solution which will then be discharged into the Ogallala aquifer. The ground water will be sampled to determine the effectiveness of the discharged solution to remediate the chromium contamination. The depth to ground water in the Ogallala aquifer is 37 to 73 feet below the surface and the background total dissolved solids concentration is approximately 1,200 mg/L. The discharge plan specifies that Chevron will remediate contaminated ground at the site to meet the standards specified in the Water Quality Control Commission regulations (20.6.2.3103 NMAC).

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, including the monitor wells for the hydrocarbon plume, the chloride plume, and the chromium plume.

2. Installation of Monitor Wells Near Injection Wells IW023 and IW024:

a. The Owner/Operator shall install three monitor wells near Injection Well IW023 and three monitor wells near Injection Well IW024 in accordance with its renewal application of December 6, 2010.

b. The Owner/Operator shall monitor the near monitor wells to determine whether it has achieved its primary objectives as specified in its renewal application of December 6, 2010.

3. Dithionite Injection Pilot Study Monitoring

a. Field Monitoring: During the injection, the Owner/Operator shall monitor the three monitoring wells hourly for pH, DO, ORP, conductivity, and temperature.

b. Post-Injection Monitoring and Sampling: The Owner/Operator shall sample the three monitor wells and IW023 monthly for 3 months after the injection, using the injection and monitoring wells, to evaluate the effectiveness of the sodium dithionite treatment. Ground water samples will be collected and analyzed for total and hexavalent chromium, bromide, sulfate, sulfide, total organic carbon, sodium, total and dissolved iron, and field parameters (pH, temperature, conductivity, DO and ORP).

4. Biodegradation Pilot Study

a. Baseline Sampling: Prior to the injection of a soy-lactate solution, the Owner/Operator shall sample and analyze IW023 and the three monitoring wells for total and hexavalent chromium, sulfate, sulfide, ammonia-nitrogen, orthophosphate-phosphorus, total anaerobic microbial counts, total organic carbon, total and dissolved iron, and field parameters (pH, temperature, conductivity, DO, and ORP).

b. Field Monitoring: During the injection, the Owner/Operator shall monitor the three monitor wells hourly for pH, DO, ORP, conductivity, and temperature.

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c. Post -Injection Monitoring and Sampling: The Owner/Operator shall sample the IW024 and the three monitoring wells to evaluate the treatment effectiveness. Ground water samples will be collected for successive quarters after the injection event and analyzed for total and hexavalent chromium, sulfate, sulfide, ammonia -nitrogen, orthophosphate - phosphorus, total anaerobic microbial counts, total organic carbon, total and dissolved iron, and field parameters (pH, temperature, conductivity, DO, and ORP).

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 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;

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- 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.

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.

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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:

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; chromium; and, BTEX.

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- 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; chromium; and, BTEX.
- estimate or measure of the volume of the solutions 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, including ground water management 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.*) other than the injection remediation wells 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 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.

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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/HBS

Date: 01/23/2012

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APPENDIX B

Geologic Cross Sections

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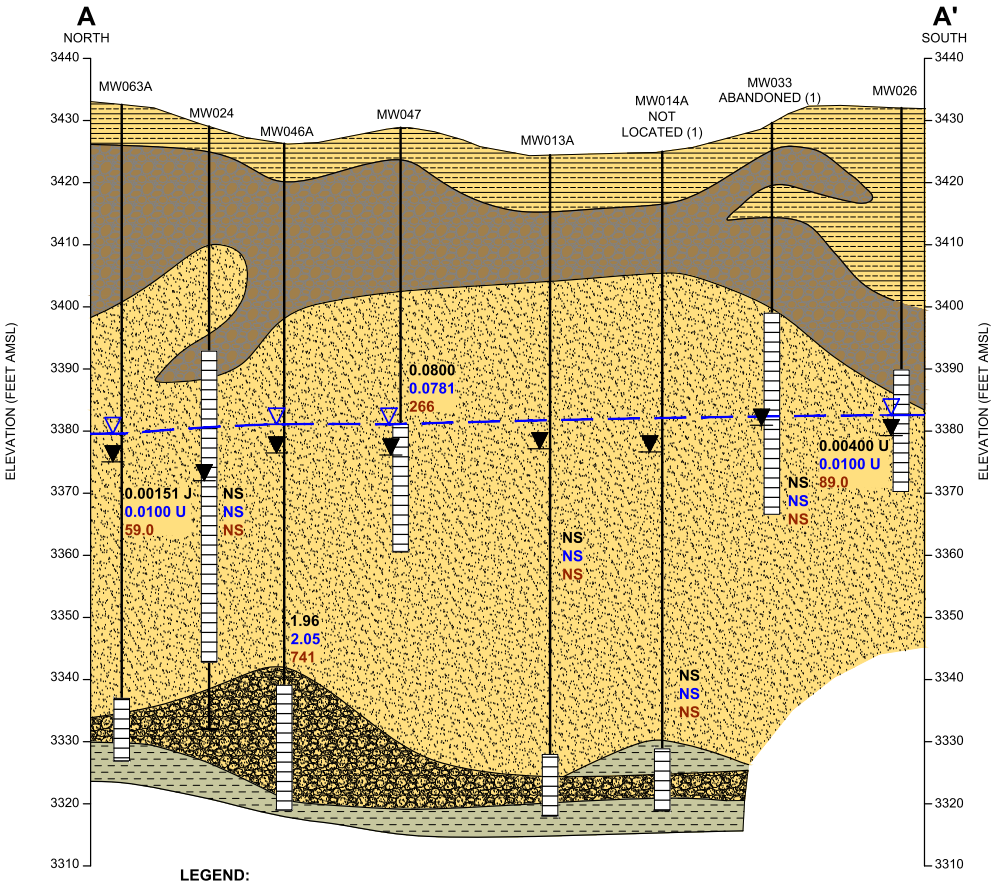
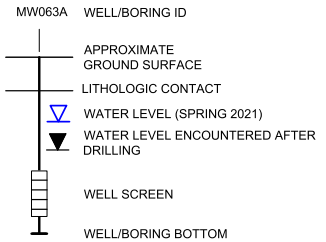


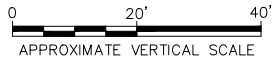
LEGEND:

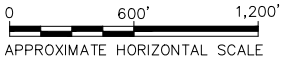


- CLAY
- CALICHE
- INTERBEDDED SAND AND SANDSTONE
- SILTY, CLAYEY SAND
- SANDY GRAVEL

0.0800 SPRING 2021 DISSOLVED TOTAL CHROMIUM CONCENTRATION (mg/L)
0.0781 SPRING 2021 DISSOLVED HEXAVALENT CHROMIUM CONCENTRATION (mg/L)
266 SPRING 2021 CHLORIDE CONCENTRATION (mg/L)

NS NOT SAMPLED IN 2021
J ESTIMATED VALUE
U NON-DETECT
(1) WATER LEVEL IS ESTIMATED





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

GEOLOGIC CROSS-SECTION A-A'

ARCADIS

FIGURE
A-A'

CITY:(KNOXVILLE) DIV/GROUP:(ENV/GIS) DB:(B.ALTOM) LD:(C.SMITH) PIC:(M.FISSONER) PM:(L.MINER) TM:(J.PRZZELL)
C:\Users\jadhav.p8954\ACCDocs\Arcadis\AUS-CHEVRON-FORMER EUNICE NORTH GAS PLANT-EUNICE New Mexico\Project Files\2022\01-In Progress\01-DWG\GEN-FAA' AND BB'-CROSS SECTION.dwg LAYOUT: A-A' SAVED: 2/25/2022 7:50 PM ACADVER: 23.1S (LMS TECH) PAGESETUP: ----
PLOTSTYLETABLE: PLTFULL.CTB PLOTTED: 2/25/2022 7:57 PM BY: JADHAV, PRAJAKTA

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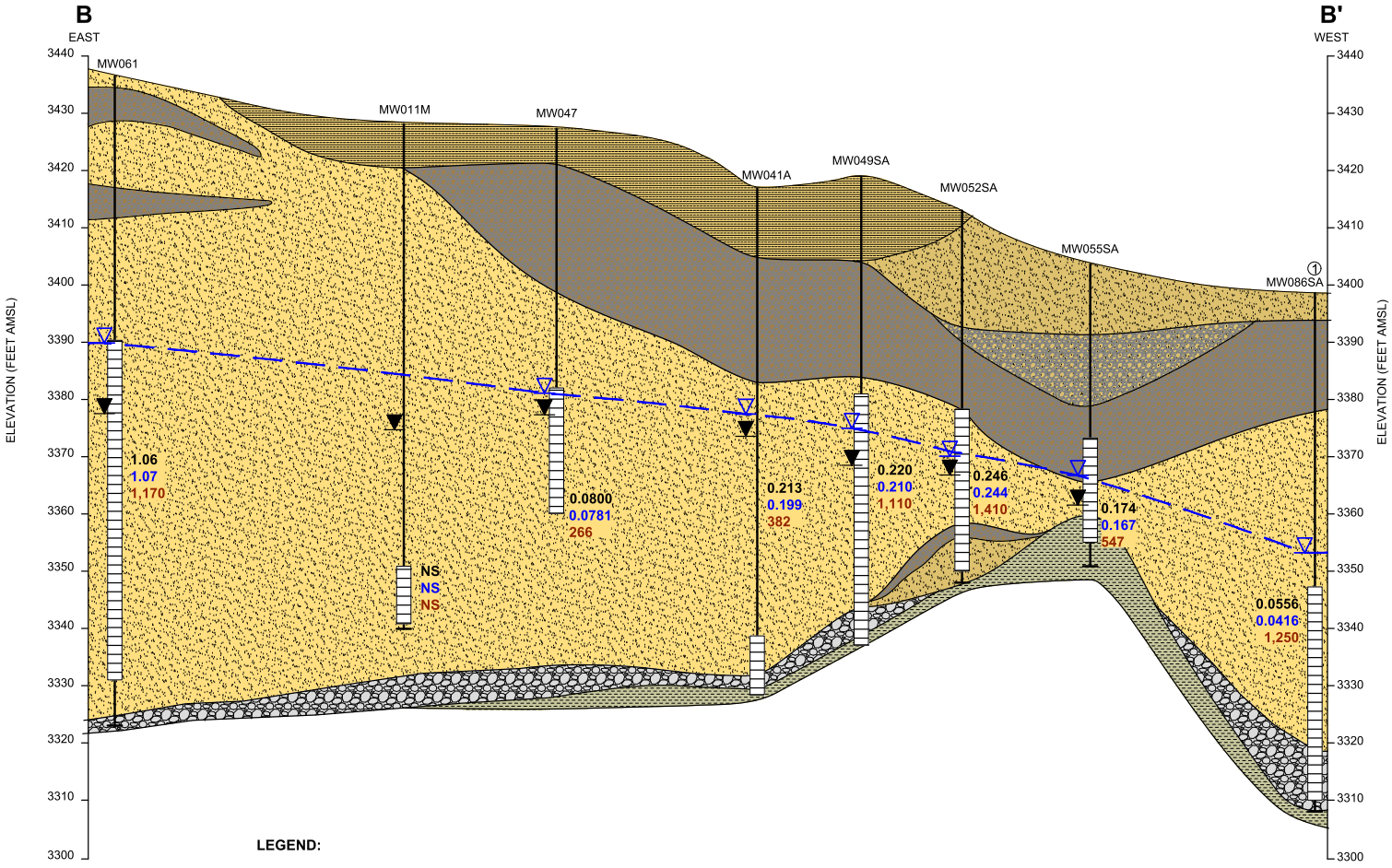
Received by OCD: 3/21/2022 2:39:57 PM

CITY:(KNOXVILLE) DIV/GROUP:(ENV/GIS) DB:(B.ALTOM) LD:(C.SMITH) PIC:(M.FLERSCHNER) PM:(L.MINER) TM:(J.FRIZZELL)
C:\Users\jadhavg8954\ACCDocs\Arcadis\AUS-CHEVRON-FORMER EUNICE NORTH GAS PLANT-EUNICE New Mexico\Project Files\2022\01-In Progress\01-DWG\GEN-FAA' AND BB'-CROSS SECTION.dwg LAYOUT: B-B SAVED: 2/25/2022 7:50 PM ACADVER: 23.1S (LMS TECH) PAGESETUP: ----
PLOTSTYLETABLE: PLTFULL.CTB PLOTTED: 2/25/2022 7:56 PM BY: JADHAV, PRAJAKTA



LEGEND:

MW063A WELL/BORING ID

APPROXIMATE GROUND SURFACE

LITHOLOGIC CONTACT

WATER LEVEL (SPRING 2021)

WATER LEVEL ENCOUNTERED AFTER DRILLING

WELL SCREEN

WELL/BORING BOTTOM

CALICHE

CLAY

SAND

INTERBEDDED SAND AND SANDSTONE

CLAYEY SAND

GRAVEL

SAND WITH CALICHE

0.213 SPRING 2021 DISSOLVED TOTAL CHROMIUM CONCENTRATION (mg/L)
0.199 SPRING 2021 DISSOLVED HEXAVALENT CHROMIUM CONCENTRATION (mg/L)
382 SPRING 2021 CHLORIDE CONCENTRATION (mg/L)

NS NOT SAMPLED IN 2021

① ESTIMATED GROUND SURFACE ELEVATION

0 20' 40'
APPROXIMATE VERTICAL SCALE

0 600' 1,200'
APPROXIMATE HORIZONTAL SCALE

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

GEOLOGIC CROSS-SECTION B-B'

ARCADIS

FIGURE
B-B

APPENDIX C

Historical Groundwater Elevations

Appendix C
Historical Groundwater Elevations
2021 Annual Groundwater Monitoring Report
Former Eunice North Gas Plant
Eunice, Lea County, New Mexico

Location ID	Date	Top of Casing (feet amsl)	Depth To Groundwater (feet)	Depth to LNAPL (feet btoc)	LNAPL Thickness (feet)	Groundwater Elevation (feet amsl)
EPWW1	04/22/1997	3429.95	66.46	NM	NA	3363.49
EPWW1	12/18/1997	3429.95	73.12	NM	NA	3356.83
EPWW1	11/16/1999	3429.95	65.20	NM	NA	3364.75
EPWW1	05/15/2001	3429.95	52.27	NM	NA	3377.68
EPWW1	08/23/2001	3429.95	52.86	NM	NA	3377.09
EPWW1	01/21/2002	3429.95	52.67	NM	NA	3377.28
EPWW1	04/04/2002	3429.95	93.34	NM	NA	3336.61
EPWW1	09/03/2002	3429.95	50.85	NM	NA	3379.10
EPWW1	12/02/2002	3429.95	51.59	NM	NA	3378.36
EPWW1	01/31/2003	3429.95	52.20	NM	NA	3377.75
EPWW1	03/28/2003	3429.95	52.58	NM	NA	3377.37
EPWW1	05/19/2003	3429.95	52.26	NM	NA	3377.69
EPWW1	09/09/2003	3429.95	94.08	NM	NA	3335.87
EPWW1	12/03/2003	3429.95	94.07	NM	NA	3335.88
EPWW1	03/30/2004	3429.95	86.62	NM	NA	3343.33
EPWW1	06/07/2004	3429.95	77.45	NM	NA	3352.50
EPWW1	09/17/2004	3429.95	52.22	NM	NA	3377.73
EPWW1	11/30/2004	3429.95	57.80	NM	NA	3372.15
EPWW1	03/31/2005	3429.95	51.39	NM	NA	3378.56
EPWW1	05/23/2005	3429.95	51.16	NM	NA	3378.79
EPWW1	03/01/2010	3429.95	0.00	NM	NA	3429.95
GOPWW2	01/01/2000	3396.97	49.02	NM	NA	3347.95
GOPWW2	12/04/2002	3396.97	49.54	NM	NA	3347.43
GOPWW2	01/31/2003	3396.97	49.42	NM	NA	3347.55
GOPWW2	03/28/2003	3396.97	49.14	NM	NA	3347.83
GOPWW2	05/19/2003	3396.97	49.21	NM	NA	3347.76
GOPWW2	09/09/2003	3396.97	49.37	NM	NA	3347.60
GOPWW2	12/02/2003	3396.97	49.71	NM	NA	3347.26
GOPWW2	03/30/2004	3396.97	49.54	NM	NA	3347.43
GOPWW2	06/07/2004	3396.97	49.31	NM	NA	3347.66
GOPWW2	09/14/2004	3396.97	49.45	NM	NA	3347.52
GOPWW2	11/29/2004	3396.97	49.22	NM	NA	3347.75
GOPWW2	03/31/2005	3396.97	48.81	NM	NA	3348.16
GOPWW2	05/23/2005	3396.67	48.52	NM	NA	3348.15
GOPWW2	01/18/2006	3396.67	48.00	NM	NA	3348.67
GOPWW2	06/23/2006	3396.67	47.65	NM	NA	3349.02
GOPWW2	04/23/2007	3396.67	47.15	NM	NA	3349.52
GOPWW2	09/10/2007	3396.67	46.70	NM	NA	3349.97
GOPWW2	03/21/2008	3396.67	46.46	NM	NA	3350.21
GOPWW2	08/04/2008	3396.67	46.47	NM	NA	3350.20
GOPWW2	03/10/2009	3396.67	46.59	NM	NA	3350.08
GOPWW2	07/28/2009	3396.67	46.44	NM	NA	3350.23
GOPWW2	03/01/2010	3396.67	46.51	NM	NA	3350.16
GOPWW2	07/30/2010	3396.67	53.94	NM	NA	3342.73
GOPWW2	05/04/2011	3396.67	46.69	NM	NA	3349.98
GOPWW2	11/02/2011	3396.67	47.06	NM	NA	3349.61
GOPWW2	05/01/2012	3396.67	47.00	NM	NA	3349.67
GOPWW2	05/23/2013	3396.67	46.97	NM	NA	3349.70
IW001	08/01/2002	3431.91	53.19	NM	NA	3378.72
IW001	12/02/2002	3431.91	52.90	NM	NA	3379.01
IW001	01/30/2003	3431.91	52.85	NM	NA	3379.06
IW001	03/28/2003	3431.91	52.94	NM	NA	3378.97
IW001	05/19/2003	3431.91	50.91	NM	NA	3381
IW001	09/09/2003	3431.91	52.62	NM	NA	3379.29
IW001	12/03/2003	3431.91	53.03	NM	NA	3378.88
IW001	03/30/2004	3431.91	52.98	NM	NA	3378.93
IW001	06/07/2004	3431.91	53.93	NM	NA	3377.98
IW001	11/30/2004	3431.91	53.04	NM	NA	3378.87
IW001	03/31/2005	3431.91	53.62	NM	NA	3378.29
IW001	05/23/2005	3431.91	52.58	NM	NA	3379.33
IW001	01/18/2006	3431.91	49.50	NM	NA	3382.41
IW001	06/19/2006	3431.91	51.28	NM	NA	3380.63
IW001	04/16/2007	3431.91	48.85	NM	NA	3383.06
IW001	03/24/2008	3431.91	50.70	NM	NA	3381.21
IW001	03/10/2009	3431.91	48.98	NM	NA	3382.93
IW001	03/01/2010	3431.91	49.23	NM	NA	3382.68
IW001	08/03/2010	3431.91	49.23	NM	NA	3382.68
IW001	05/05/2011	3431.91	49.05	NM	NA	3382.86
IW001	11/02/2011	3431.91	47.28	NM	NA	3384.63
IW001	05/03/2012	3431.91	49.25	NM	NA	3382.66

Appendix C
Historical Groundwater Elevations
2021 Annual Groundwater Monitoring Report
Former Eunice North 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)	Depth to LNAPL (feet btoc)	LNAPL Thickness (feet)	Groundwater Elevation (feet amsl)
IW001	10/23/2012	3431.91	49.35	NM	NA	3382.56
IW001	05/02/2013	3431.91	50.51	NM	NA	3381.4
IW001	10/29/2013	3431.91	49.54	NM	NA	3382.37
IW001	05/05/2014	3431.91	49.64	NM	NA	3382.27
IW001	11/03/2014	3431.91	49.46	NM	NA	3382.45
IW001	05/06/2015	3431.91	49.17	NM	NA	3382.74
IW001	09/16/2015	3431.91	48.95	NM	NA	3382.96
IW001	11/02/2015	3431.91	49.05	NM	NA	3382.86
IW001	05/12/2016	3431.91	49.13	NM	NA	3382.78
IW001**	05/03/2017	3431.91	47.55	NM	NA	3384.36
IW002	09/03/2002	3430.33	53.14	NM	NA	3377.19
IW002	12/02/2002	3430.33	50.99	NM	NA	3379.34
IW002	01/30/2003	3430.33	50.88	NM	NA	3379.45
IW002	03/28/2003	3430.33	50.99	NM	NA	3379.34
IW002	05/19/2003	3430.33	50.88	NM	NA	3379.45
IW002	09/09/2003	3430.33	51.46	NM	NA	3378.87
IW002	12/03/2003	3430.33	50.94	NM	NA	3379.39
IW002	03/30/2004	3431.00	51.62	NM	NA	3379.38
IW002	06/07/2004	3431.00	51.61	NM	NA	3379.39
IW002	11/30/2004	3431.00	51.34	NM	NA	3379.66
IW002	03/31/2005	3431.00	51.54	NM	NA	3379.46
IW002	05/23/2005	3431.00	51.36	NM	NA	3379.64
IW002	01/18/2006	3431.00	47.48	NM	NA	3383.52
IW002	06/19/2006	3431.00	48.71	NM	NA	3382.29
IW002	04/11/2007	3431.00	47.05	NM	NA	3383.95
IW002	03/21/2008	3431.00	46.19	NM	NA	3384.81
IW002	03/10/2009	3431.00	46.99	NM	NA	3384.01
IW002	03/01/2010	3431.00	47.31	NM	NA	3383.69
IW002	08/03/2010	3431.00	46.30	NM	NA	3384.70
IW002	05/05/2011	3431.00	46.98	NM	NA	3384.02
IW002	11/02/2011	3430.33	50.86	NM	NA	3379.47
IW002	05/03/2012	3430.33	47.35	NM	NA	3382.98
IW002	10/24/2012	3430.33	47.42	NM	NA	3382.91
IW002	05/01/2013	3430.33	47.60	NM	NA	3382.73
IW002	10/29/2013	3430.33	44.41	NM	NA	3385.92
IW002	05/05/2014	3430.33	47.69	NM	NA	3382.64
IW002	11/03/2014	3430.33	48.78	NM	NA	3381.55
IW002	05/06/2015	3430.33	47.31	NM	NA	3383.02
IW002	09/16/2015	3430.33	47.04	NM	NA	3383.29
IW002	11/03/2015	3430.33	47.15	NM	NA	3383.18
IW002	05/09/2016	3430.33	47.01	NM	NA	3383.32
IW002	05/02/2017	3430.33	46.64	NM	NA	3383.69
IW003	12/16/2003	3406.68	45.47	NM	NA	3361.21
IW003	02/18/2004	3406.68	45.37	NM	NA	3361.31
IW003	03/30/2004	3406.68	45.37	NM	NA	3361.31
IW003	06/03/2004	3406.68	44.39	NM	NA	3362.29
IW003	11/29/2004	3406.68	45.95	NM	NA	3360.73
IW003	03/17/2005	3406.68	45.26	NM	NA	3361.42
IW003	05/23/2005	3406.68	45.10	NM	NA	3361.58
IW003	01/17/2006	3406.68	44.76	NM	NA	3361.92
IW003	06/16/2006	3406.68	44.77	NM	NA	3361.91
IW003	04/09/2007	3406.68	46.30	NM	NA	3360.38
IW003	03/21/2008	3406.68	44.71	NM	NA	3361.97
IW003	03/10/2009	3406.68	44.96	NM	NA	3361.72
IW003	03/01/2010	3406.68	45.19	NM	NA	3361.49
IW003	08/03/2010	3406.68	45.20	NM	NA	3361.48
IW003	05/05/2011	3406.68	45.29	NM	NA	3361.39
IW003	11/03/2011	3406.68	45.61	NM	NA	3361.07
IW003	05/02/2012	3406.68	45.37	NM	NA	3361.31
IW003	10/23/2012	3406.68	45.57	NM	NA	3361.11
IW003	04/29/2013	3406.68	45.43	NM	NA	3361.25
IW003	10/29/2013	3406.68	45.64	NM	NA	3361.04
IW003	05/05/2014	3406.68	45.51	NM	NA	3361.17
IW003	11/03/2014	3406.68	45.67	NM	NA	3361.01
IW003	05/05/2015	3406.68	45.30	NM	NA	3361.38
IW003	11/03/2015	3406.68	45.52	NM	NA	3361.16
IW003	05/10/2016	3406.68	45.02	NM	NA	3361.66
IW003	09/15/2016	3406.68	45.56	NM	NA	3361.12
IW003	05/02/2017	3406.68	44.98	NM	NA	3361.70
IW003	03/20/2018	3406.68	44.81	NM	NA	3361.87

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Location ID	Date	Top of Casing (feet amsl)	Depth To Groundwater (feet)	Depth to LNAPL (feet btoc)	LNAPL Thickness (feet)	Groundwater Elevation (feet amsl)
IW003	04/09/2019	3406.68	44.18	NM	NA	3362.50
IW003	03/09/2020	3406.68	42.12	NM	NA	3364.56
IW003	03/08/2021	3406.68	45.37	NM	NA	3361.31
IW004	12/16/2003	3406.31	45.04	NM	NA	3361.27
IW004	02/18/2004	3406.31	44.95	NM	NA	3361.36
IW004	03/30/2004	3406.31	44.97	NM	NA	3361.34
IW004	06/07/2004	3406.31	45.99	NM	NA	3360.32
IW004	11/29/2004	3406.31	45.31	NM	NA	3361.00
IW004	03/17/2005	3406.31	44.83	NM	NA	3361.48
IW004	05/23/2005	3406.31	44.43	NM	NA	3361.88
IW004	01/17/2006	3406.31	44.52	NM	NA	3361.79
IW004	06/16/2006	3406.31	44.36	NM	NA	3361.95
IW004	04/09/2007	3406.31	44.15	NM	NA	3362.16
IW004	03/21/2008	3406.31	44.25	NM	NA	3362.06
IW004	03/10/2009	3406.31	44.44	NM	NA	3361.87
IW004	03/01/2010	3406.31	44.65	NM	NA	3361.66
IW004	08/03/2010	3406.31	44.75	NM	NA	3361.56
IW004	05/05/2011	3406.31	44.91	NM	NA	3361.40
IW004	11/03/2011	3406.31	45.14	NM	NA	3361.17
IW004	05/02/2012	3406.31	45.00	NM	NA	3361.31
IW004	10/23/2012	3406.31	46.16	NM	NA	3360.15
IW004	04/29/2013	3406.31	45.10	NM	NA	3361.21
IW004	10/29/2013	3406.31	45.31	NM	NA	3361.00
IW004	05/05/2014	3406.31	45.16	NM	NA	3361.15
IW004	11/03/2014	3406.31	45.30	NM	NA	3361.01
IW004	05/05/2015	3406.31	44.90	NM	NA	3361.41
IW004	11/03/2015	3406.31	45.03	NM	NA	3361.28
IW004	05/10/2016	3406.31	44.64	NM	NA	3361.67
IW004	09/15/2016	3406.31	45.05	NM	NA	3361.26
IW004	05/02/2017	3406.31	44.57	NM	NA	3361.74
IW005	12/16/2003	3405.36	45.85	NM	NA	3359.51
IW005	02/18/2004	3405.36	43.85	NM	NA	3361.51
IW005	03/30/2004	3405.36	43.84	NM	NA	3361.52
IW005	06/07/2004	3405.36	45.02	NM	NA	3360.34
IW005	11/29/2004	3405.36	44.52	NM	NA	3360.84
IW005	03/21/2005	3405.36	43.72	NM	NA	3361.64
IW005	05/23/2005	3405.36	42.71	NM	NA	3362.65
IW005	01/17/2006	3405.36	43.75	NM	NA	3361.61
IW005	06/16/2006	3405.36	43.62	NM	NA	3361.74
IW005	04/12/2007	3405.36	43.82	NM	NA	3361.54
IW005	03/21/2008	3405.36	43.51	NM	NA	3361.85
IW005	03/10/2009	3405.36	43.68	NM	NA	3361.68
IW005	03/01/2010	3405.36	43.84	NM	NA	3361.52
IW005	07/30/2010	3405.36	43.88	NM	NA	3361.48
IW005	05/05/2011	3405.36	43.95	NM	NA	3361.41
IW005	11/03/2011	3405.36	44.18	NM	NA	3361.18
IW005	05/02/2012	3405.36	44.00	NM	NA	3361.36
IW005	10/23/2012	3405.36	44.29	NM	NA	3361.07
IW005	04/29/2013	3405.36	44.14	NM	NA	3361.22
IW005	10/29/2013	3405.36	44.38	NM	NA	3360.98
IW005	05/05/2014	3405.36	43.97	NM	NA	3361.39
IW005	11/03/2014	3405.36	44.33	NM	NA	3361.03
IW005	05/05/2015	3405.36	43.61	NM	NA	3361.75
IW005	11/02/2015	3405.36	44.06	NM	NA	3361.30
IW005	05/10/2016	3405.36	43.84	NM	NA	3361.52
IW005	09/15/2016	3405.36	44.13	NM	NA	3361.23
IW005	05/01/2017	3405.36	43.60	NM	NA	3361.76
IW006	12/16/2003	3404.36	45.14	NM	NA	3359.22
IW006	02/18/2004	3404.36	43.24	NM	NA	3361.12
IW006	03/30/2004	3404.36	43.24	NM	NA	3361.12
IW006	06/07/2004	3404.36	44.18	NM	NA	3360.18
IW006	11/29/2004	3404.36	43.75	NM	NA	3360.61
IW006	03/21/2005	3404.36	42.86	NM	NA	3361.50
IW006	05/23/2005	3404.36	42.54	NM	NA	3361.82
IW006	01/17/2006	3404.36	42.68	NM	NA	3361.68
IW006	06/16/2006	3404.36	42.57	NM	NA	3361.79
IW006	03/27/2007	3404.36	42.49	NM	NA	3361.87
IW006	04/12/2007	3404.36	42.32	NM	NA	3362.04
IW006	03/21/2008	3404.36	42.65	NM	NA	3361.71
IW006	03/10/2009	3404.36	42.78	NM	NA	3361.58

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IW006	03/01/2010	3404.36	44.73	NM	NA	3359.63
IW006	07/30/2010	3404.36	47.99	NM	NA	3356.37
IW006	05/05/2011	3404.36	43.04	NM	NA	3361.32
IW006	11/03/2011	3404.36	43.30	NM	NA	3361.06
IW006	05/02/2012	3404.36	43.13	NM	NA	3361.23
IW006	10/23/2012	3404.36	43.44	NM	NA	3360.92
IW006	04/29/2013	3404.36	43.27	NM	NA	3361.09
IW006	10/29/2013	3404.36	43.55	NM	NA	3360.81
IW006	05/05/2014	3404.36	43.11	NM	NA	3361.25
IW006	11/03/2014	3404.36	43.53	NM	NA	3360.83
IW006	05/05/2015	3404.36	42.74	NM	NA	3361.62
IW006	11/02/2015	3404.36	43.20	NM	NA	3361.16
IW006	05/10/2016	3404.36	42.71	NM	NA	3361.65
IW006	09/15/2016	3404.36	43.30	NM	NA	3361.06
IW006	05/01/2017	3404.36	42.70	NM	NA	3361.66
IW007	12/16/2003	3405.31	45.65	NM	NA	3359.66
IW007	02/18/2004	3405.31	44.09	NM	NA	3361.22
IW007	03/30/2004	3405.31	44.31	NM	NA	3361.00
IW007	06/07/2004	3405.31	43.54	NM	NA	3361.77
IW007	11/29/2004	3405.31	44.62	NM	NA	3360.69
IW007	03/22/2005	3405.31	43.24	NM	NA	3362.07
IW007	05/23/2005	3405.31	43.83	NM	NA	3361.48
IW007	01/17/2006	3405.31	43.91	NM	NA	3361.40
IW007	06/16/2006	3405.31	43.94	NM	NA	3361.37
IW007	03/26/2007	3405.31	43.48	NM	NA	3361.83
IW007	03/21/2008	3405.31	43.79	NM	NA	3361.52
IW007	03/10/2009	3405.31	44.21	NM	NA	3361.10
IW007	03/01/2010	3405.31	45.09	NM	NA	3360.22
IW007	07/30/2010	3405.31	45.80	NM	NA	3359.51
IW007	05/05/2011	3405.31	45.45	NM	NA	3359.86
IW007	11/03/2011	3405.31	46.46	NM	NA	3358.85
IW007	05/02/2012	3405.31	46.19	NM	NA	3359.12
IW007	10/23/2012	3405.31	46.93	NM	NA	3358.38
IW007	04/29/2013	3405.31	46.70	NM	NA	3358.61
IW007	10/29/2013	3405.31	47.48	NM	NA	3357.83
IW007	05/05/2014	3405.31	47.15	NM	NA	3358.16
IW007	11/03/2014	3405.31	47.37	NM	NA	3357.94
IW007	05/05/2015	3405.31	46.90	NM	NA	3358.41
IW007	11/02/2015	3405.31	48.22	NM	NA	3357.09
IW007	05/10/2016	3405.31	47.33	NM	NA	3357.98
IW007	09/15/2016	3405.31	47.45	NM	NA	3357.86
IW007	05/01/2017	3405.31	46.45	NM	NA	3358.86
IW008	12/16/2003	3405.37	50.61	NM	NA	3354.76
IW008	02/18/2004	3405.37	50.13	NM	NA	3355.24
IW008	03/30/2004	3405.37	51.08	NM	NA	3354.29
IW008	06/07/2004	3405.37	45.54	NM	NA	3359.83
IW008	11/29/2004	3405.37	43.98	NM	NA	3361.39
IW008	03/22/2005	3405.37	43.55	NM	NA	3361.82
IW008	05/23/2005	3405.37	43.85	NM	NA	3361.52
IW008	01/17/2006	3405.37	44.03	NM	NA	3361.34
IW008	06/16/2006	3405.37	44.07	NM	NA	3361.30
IW008	03/23/2007	3405.37	46.50	NM	NA	3358.87
IW008	03/21/2008	3405.37	44.80	NM	NA	3360.57
IW008	03/10/2009	3405.37	48.17	NM	NA	3357.20
IW008	03/01/2010	3405.37	47.10	NM	NA	3358.27
IW008	07/30/2010	3405.37	44.74	NM	NA	3360.63
IW008	05/05/2011	3405.37	44.69	NM	NA	3360.68
IW008	11/03/2011	3405.37	44.85	NM	NA	3360.52
IW008	05/02/2012	3405.37	44.78	NM	NA	3360.59
IW008	10/23/2012	3405.37	44.89	NM	NA	3360.48
IW008	04/29/2013	3405.37	44.94	NM	NA	3360.43
IW008	10/29/2013	3405.37	44.85	NM	NA	3360.52
IW008	05/05/2014	3405.37	44.85	NM	NA	3360.52
IW008	11/03/2014	3405.37	45.03	NM	NA	3360.34
IW008	05/05/2015	3405.37	44.78	NM	NA	3360.59
IW008	11/02/2015	3405.37	45.06	NM	NA	3360.31
IW008	05/10/2016	3405.37	44.75	NM	NA	3360.62
IW008	09/15/2016	3405.37	45.05	NM	NA	3360.32
IW008	05/01/2017	3405.37	44.70	NM	NA	3360.67
IW008	03/20/2018	3405.37	44.69	NM	NA	3360.68

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IW008	04/09/2019	3405.37	44.32	NM	NA	3361.05
IW008	03/09/2020	3405.37	45.54	NM	NA	3359.83
IW008	03/12/2021	3405.37	48.47	NM	NA	3356.90
IW009	12/16/2003	3406.07	47.22	NM	NA	3358.85
IW009	02/18/2004	3406.07	47.40	NM	NA	3358.67
IW009	03/30/2004	3406.07	47.49	NM	NA	3358.58
IW009	06/07/2004	3406.07	44.55	NM	NA	3361.52
IW009	11/29/2004	3406.07	44.74	NM	NA	3361.33
IW009	03/22/2005	3406.07	44.30	NM	NA	3361.77
IW009	05/23/2005	3406.07	44.30	NM	NA	3361.77
IW009	01/17/2006	3406.07	45.02	NM	NA	3361.05
IW009	06/16/2006	3406.07	45.41	NM	NA	3360.66
IW009	03/23/2007	3406.07	46.27	NM	NA	3359.80
IW009	03/21/2008	3406.07	46.42	NM	NA	3359.65
IW009	03/10/2009	3406.07	47.12	NM	NA	3358.95
IW009	03/01/2010	3406.07	47.36	NM	NA	3358.71
IW009	07/30/2010	3406.07	47.70	NM	NA	3358.37
IW009	05/05/2011	3406.07	47.50	NM	NA	3358.57
IW009	11/03/2011	3406.07	47.89	NM	NA	3358.18
IW009	05/02/2012	3406.07	47.70	NM	NA	3358.37
IW009	10/23/2012	3406.07	47.57	NM	NA	3358.50
IW009	04/29/2013	3406.07	47.52	NM	NA	3358.55
IW009	10/29/2013	3406.07	40.10	NM	NA	3365.97
IW009	05/05/2014	3406.07	47.31	NM	NA	3358.76
IW009	11/03/2014	3406.07	48.01	NM	NA	3358.06
IW009	05/05/2015	3406.07	47.77	NM	NA	3358.30
IW009	11/02/2015	3406.07	47.95	NM	NA	3358.12
IW009	05/10/2016	3406.07	47.64	NM	NA	3358.43
IW009	09/15/2016	3406.07	48.00	NM	NA	3358.07
IW009	05/01/2017	3406.07	47.81	NM	NA	3358.26
IW010	12/16/2003	3405.82	52.88	NM	NA	3352.94
IW010	02/18/2004	3405.82	53.48	NM	NA	3352.34
IW010	03/30/2004	3405.82	53.52	NM	NA	3352.30
IW010	06/07/2004	3405.82	54.65	NM	NA	3351.17
IW010	11/29/2004	3405.82	54.45	NM	NA	3351.37
IW010	03/22/2005	3405.82	53.45	NM	NA	3352.37
IW010	05/23/2005	3405.82	53.21	NM	NA	3352.61
IW010	01/17/2006	3405.82	53.45	NM	NA	3352.37
IW010	06/16/2006	3405.82	52.93	NM	NA	3352.89
IW010	03/23/2007	3405.82	53.48	NM	NA	3352.34
IW010	03/21/2008	3405.82	53.30	NM	NA	3352.52
IW010	03/10/2009	3405.82	53.55	NM	NA	3352.27
IW010	03/01/2010	3405.82	53.59	NM	NA	3352.23
IW010	07/30/2010	3405.82	53.46	NM	NA	3352.36
IW010	05/05/2011	3405.82	53.78	NM	NA	3352.04
IW010	11/03/2011	3405.82	53.90	NM	NA	3351.92
IW010	05/02/2012	3405.82	53.86	NM	NA	3351.96
IW010	10/23/2012	3405.82	54.04	NM	NA	3351.78
IW010	04/29/2013	3405.82	54.05	NM	NA	3351.77
IW010	10/29/2013	3405.82	54.08	NM	NA	3351.74
IW010	05/05/2014	3405.82	53.75	NM	NA	3352.07
IW010	11/03/2014	3405.82	53.90	NM	NA	3351.92
IW010	05/05/2015	3405.82	53.17	NM	NA	3352.65
IW010	11/02/2015	3405.82	53.41	NM	NA	3352.41
IW010	05/10/2016	3405.82	52.82	NM	NA	3353.00
IW010	09/15/2016	3405.82	53.14	NM	NA	3352.68
IW010	05/01/2017	3405.82	52.41	NM	NA	3353.41
IW010	03/20/2018	3405.82	52.26	NM	NA	3353.56
IW010	04/09/2019	3405.82	51.98	NM	NA	3353.84
IW010	03/09/2020	3405.82	50.71	NM	NA	3355.11
IW010	03/11/2021	3405.82	52.29	NM	NA	3353.53
IW011	12/16/2003	3406.83	57.60	NM	NA	3349.23
IW011	02/18/2004	3406.83	57.59	NM	NA	3349.24
IW011	03/30/2004	3406.83	57.64	NM	NA	3349.19
IW011	06/07/2004	3406.83	58.79	NM	NA	3348.04
IW011	11/29/2004	3406.83	58.81	NM	NA	3348.02
IW011	03/23/2005	3406.83	58.19	NM	NA	3348.64
IW011	05/23/2005	3406.83	57.51	NM	NA	3349.32
IW011	01/17/2006	3406.83	57.79	NM	NA	3349.04
IW011	06/16/2006	3406.83	56.93	NM	NA	3349.90

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IW011	03/22/2007	3406.83	56.21	NM	NA	3350.62
IW011	03/21/2008	3406.83	55.44	NM	NA	3351.39
IW011	03/10/2009	3406.83	55.51	NM	NA	3351.32
IW011	03/01/2010	3406.83	55.48	NM	NA	3351.35
IW011	07/30/2010	3406.83	55.36	NM	NA	3351.47
IW011	05/05/2011	3406.83	55.55	NM	NA	3351.28
IW011	11/03/2011	3406.83	55.85	NM	NA	3350.98
IW011	05/02/2012	3406.83	55.83	NM	NA	3351.00
IW011	10/23/2012	3406.83	55.87	NM	NA	3350.96
IW011	04/29/2013	3406.83	55.83	NM	NA	3351.00
IW011	10/29/2013	3406.83	55.90	NM	NA	3350.93
IW011	05/05/2014	3406.83	55.60	NM	NA	3351.23
IW011	11/03/2014	3406.83	65.80	NM	NA	3341.03
IW011	05/05/2015	3406.83	35.09	NM	NA	3371.74
IW011	11/02/2015	3406.83	55.28	NM	NA	3351.55
IW011	05/10/2016	3406.83	54.50	NM	NA	3352.33
IW011	09/15/2016	3406.83	54.70	NM	NA	3352.13
IW011**	05/01/2017	3406.83	56.86	NM	NA	3349.97
IW012	02/18/2004	3405.92	54.99	NM	NA	3350.93
IW012	06/07/2004	3405.92	53.24	NM	NA	3352.68
IW012	11/29/2004	3405.92	56.03	NM	NA	3349.89
IW012	03/24/2005	3405.92	55.03	NM	NA	3350.89
IW012	05/23/2005	3405.92	53.20	NM	NA	3352.72
IW012	06/16/2006	3405.92	55.44	NM	NA	3350.48
IW012	03/22/2007	3405.92	58.98	NM	NA	3346.94
IW012	03/21/2008	3405.92	54.29	NM	NA	3351.63
IW012	03/10/2009	3405.92	54.26	NM	NA	3351.66
IW012	03/01/2010	3405.92	54.18	NM	NA	3351.74
IW012	07/30/2010	3405.92	54.11	NM	NA	3351.81
IW012	05/05/2011	3405.92	54.29	NM	NA	3351.63
IW012	11/03/2011	3405.92	54.53	NM	NA	3351.39
IW012	05/02/2012	3405.92	54.83	NM	NA	3351.09
IW012	10/23/2012	3405.92	54.55	NM	NA	3351.37
IW012	04/29/2013	3405.92	54.55	NM	NA	3351.37
IW012	10/29/2013	3405.92	54.69	NM	NA	3351.23
IW012	05/05/2014	3405.92	54.17	NM	NA	3351.75
IW012	11/03/2014	3405.92	54.24	NM	NA	3351.68
IW012	05/05/2015	3405.92	53.72	NM	NA	3352.20
IW012	11/02/2015	3405.92	53.70	NM	NA	3352.22
IW012	05/10/2016	3405.92	53.16	NM	NA	3352.76
IW012	09/15/2016	3405.92	53.13	NM	NA	3352.79
IW012	05/01/2017	3405.92	52.35	NM	NA	3353.57
IW013	02/18/2004	3406.62	56.27	NM	NA	3350.35
IW013	03/30/2004	3406.62	56.34	NM	NA	3350.28
IW013	06/07/2004	3406.62	51.56	NM	NA	3355.06
IW013	11/29/2004	3406.62	57.36	NM	NA	3349.26
IW013	03/24/2005	3406.62	56.72	NM	NA	3349.90
IW013	05/23/2005	3406.62	56.81	NM	NA	3349.81
IW013	01/17/2006	3406.62	56.15	NM	NA	3350.47
IW013	06/16/2006	3406.62	55.72	NM	NA	3350.90
IW013	03/21/2008	3406.62	54.13	NM	NA	3352.49
IW013	03/10/2009	3406.62	54.12	NM	NA	3352.50
IW013	03/01/2010	3406.62	54.33	NM	NA	3352.29
IW013	07/30/2010	3406.62	53.94	NM	NA	3352.68
IW013	05/05/2011	3406.62	54.10	NM	NA	3352.52
IW013	11/03/2011	3406.62	54.35	NM	NA	3352.27
IW013	05/02/2012	3406.62	54.33	NM	NA	3352.29
IW013	10/23/2012	3406.62	54.38	NM	NA	3352.24
IW013	04/29/2013	3406.62	54.37	NM	NA	3352.25
IW013	10/29/2013	3406.62	54.42	NM	NA	3352.20
IW013	05/05/2014	3406.62	54.16	NM	NA	3352.46
IW013	11/03/2014	3406.62	54.30	NM	NA	3352.32
IW013	05/05/2015	3406.62	53.69	NM	NA	3352.93
IW013	11/02/2015	3406.62	53.80	NM	NA	3352.82
IW013	05/10/2016	3406.62	53.15	NM	NA	3353.47
IW013	09/15/2016	3406.62	53.30	NM	NA	3353.32
IW013	05/01/2017	3406.62	52.62	NM	NA	3354.00
IW014	02/18/2004	3405.48	54.55	NM	NA	3350.93
IW014	03/30/2004	3405.48	54.59	NM	NA	3350.89
IW014	11/29/2004	3405.48	55.88	NM	NA	3349.60

Appendix C
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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)	Depth to LNAPL (feet btoc)	LNAPL Thickness (feet)	Groundwater Elevation (feet amsl)
IW014	03/24/2005	3405.48	55.54	NM	NA	3349.94
IW014	05/23/2005	3405.48	55.02	NM	NA	3350.46
IW014	01/17/2006	3405.48	54.66	NM	NA	3350.82
IW014	06/16/2006	3405.48	54.25	NM	NA	3351.23
IW014	03/26/2007	3405.48	53.30	NM	NA	3352.18
IW014	03/21/2008	3405.48	52.64	NM	NA	3352.84
IW014	03/10/2009	3405.48	52.57	NM	NA	3352.91
IW014	03/01/2010	3405.48	54.27	NM	NA	3351.21
IW014	07/30/2010	3405.48	52.37	NM	NA	3353.11
IW014	05/05/2011	3405.48	52.50	NM	NA	3352.98
IW014	11/03/2011	3405.48	52.70	NM	NA	3352.78
IW014	05/02/2012	3405.48	52.66	NM	NA	3352.82
IW014	10/23/2012	3405.48	52.74	NM	NA	3352.74
IW014	04/29/2013	3405.48	52.75	NM	NA	3352.73
IW014	10/29/2013	3405.48	52.78	NM	NA	3352.70
IW014	05/05/2014	3405.48	52.53	NM	NA	3352.95
IW014	11/03/2014	3405.48	52.70	NM	NA	3352.78
IW014	05/05/2015	3405.48	52.09	NM	NA	3353.39
IW014	11/02/2015	3405.48	52.20	NM	NA	3353.28
IW014	05/10/2016	3405.48	51.59	NM	NA	3353.89
IW014	09/14/2016	3405.48	51.73	NM	NA	3353.75
IW014	05/01/2017	3405.48	51.08	NM	NA	3354.40
IW015	02/18/2004	3406.05	45.43	NM	NA	3360.62
IW015	03/30/2004	3406.05	45.45	NM	NA	3360.60
IW015	06/07/2004	3406.05	45.91	NM	NA	3360.14
IW015	11/29/2004	3406.05	46.33	NM	NA	3359.72
IW015	03/16/2005	3406.05	44.97	NM	NA	3361.08
IW015	01/17/2006	3406.05	44.83	NM	NA	3361.22
IW015	06/16/2006	3406.05	44.58	NM	NA	3361.47
IW015	04/09/2007	3406.05	44.38	NM	NA	3361.67
IW015	03/10/2008	3406.05	44.58	NM	NA	3361.47
IW015	03/21/2008	3406.05	44.20	NM	NA	3361.85
IW015	03/01/2010	3406.05	44.79	NM	NA	3361.26
IW015	08/03/2010	3406.05	44.91	NM	NA	3361.14
IW015	05/05/2011	3406.05	45.05	NM	NA	3361.00
IW015	11/03/2011	3406.05	45.60	NM	NA	3360.45
IW015	05/02/2012	3406.05	45.31	NM	NA	3360.74
IW015	10/23/2012	3406.05	45.64	NM	NA	3360.41
IW015	04/29/2013	3406.05	45.35	NM	NA	3360.70
IW015	10/29/2013	3406.05	45.70	NM	NA	3360.35
IW015	05/05/2014	3406.05	45.40	NM	NA	3360.65
IW015	11/03/2014	3406.05	45.71	NM	NA	3360.34
IW015	05/05/2015	3406.05	44.91	NM	NA	3361.14
IW015	11/03/2015	3406.05	45.20	NM	NA	3360.85
IW015	05/11/2016	3406.05	44.42	NM	NA	3361.63
IW015	09/15/2016	3406.05	45.03	NM	NA	3361.02
IW015	05/02/2017	3406.05	44.09	NM	NA	3361.96
IW016	02/18/2004	3408.29	48.16	NM	NA	3360.13
IW016	03/30/2004	3408.29	48.19	NM	NA	3360.10
IW016	06/03/2004	3408.29	49.11	NM	NA	3359.18
IW016	11/29/2004	3408.29	49.26	NM	NA	3359.03
IW016	04/18/2005	3408.29	48.50	NM	NA	3359.79
IW016	05/23/2005	3408.29	48.51	NM	NA	3359.78
IW016	01/17/2006	3408.29	47.45	NM	NA	3360.84
IW016	06/16/2006	3408.29	47.09	NM	NA	3361.20
IW016	03/28/2007	3408.29	46.33	NM	NA	3361.96
IW016	03/10/2008	3408.29	46.70	NM	NA	3361.59
IW016	03/21/2008	3408.29	46.21	NM	NA	3362.08
IW016	03/01/2010	3408.29	47.21	NM	NA	3361.08
IW016	08/03/2010	3408.29	47.27	NM	NA	3361.02
IW016	05/05/2011	3408.29	47.40	NM	NA	3360.89
IW016	11/03/2011	3408.29	48.06	NM	NA	3360.23
IW016	05/02/2012	3408.29	47.78	NM	NA	3360.51
IW016	10/23/2012	3408.29	48.16	NM	NA	3360.13
IW016	04/29/2013	3408.29	47.86	NM	NA	3360.43
IW016	10/29/2013	3408.29	48.25	NM	NA	3360.04
IW016	05/05/2014	3408.29	47.88	NM	NA	3360.41
IW016	11/03/2014	3408.29	48.15	NM	NA	3360.14
IW016	05/05/2015	3408.29	47.15	NM	NA	3361.14
IW016	11/03/2015	3408.29	47.38	NM	NA	3360.91

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ARCADIS Design & Consultancy for natural and built assets

Location ID	Date	Top of Casing (feet amsl)	Depth To Groundwater (feet)	Depth to LNAPL (feet btoc)	LNAPL Thickness (feet)	Groundwater Elevation (feet amsl)
IW016	05/11/2016	3408.29	46.55	NM	NA	3361.74
IW016	09/15/2016	3408.29	47.03	NM	NA	3361.26
IW016	05/02/2017	3408.29	45.72	NM	NA	3362.57
IW018	01/17/2006	3424.54	45.94	NM	NA	3378.60
IW018	06/20/2006	3424.54	45.82	NM	NA	3378.72
IW018	04/09/2007	3424.54	45.92	NM	NA	3378.62
IW018	03/19/2008	3424.54	45.59	NM	NA	3378.95
IW018	03/10/2009	3424.54	46.05	NM	NA	3378.49
IW018	03/01/2010	3424.54	44.87	NM	NA	3379.67
IW018	08/02/2010	3424.54	46.18	NM	NA	3378.36
IW018	05/05/2011	3424.54	45.94	NM	NA	3378.60
IW018	11/04/2011	3424.54	46.30	NM	NA	3378.24
IW018	05/02/2012	3424.54	46.37	NM	NA	3378.17
IW018	10/24/2012	3424.54	46.74	NM	NA	3377.80
IW018	04/30/2013	3424.54	46.88	NM	NA	3377.66
IW018	10/28/2013	3424.54	47.16	NM	NA	3377.38
IW018	05/05/2014	3424.54	47.24	NM	NA	3377.30
IW018	11/03/2014	3424.54	46.75	NM	NA	3377.79
IW018	05/05/2015	3424.54	46.44	NM	NA	3378.10
IW018	11/02/2015	3424.54	46.50	NM	NA	3378.04
IW018	05/11/2016	3424.54	46.22	NM	NA	3378.32
IW018	05/01/2017	3424.54	45.57	NM	NA	3378.97
IW019	01/17/2006	3423.78	45.13	NM	NA	3378.65
IW019	06/20/2006	3423.78	44.95	NM	NA	3378.83
IW019	04/06/2007	3423.78	44.85	NM	NA	3378.93
IW019	03/19/2008	3423.78	44.74	NM	NA	3379.04
IW019	03/10/2009	3423.78	45.23	NM	NA	3378.55
IW019	03/01/2010	3423.78	44.94	NM	NA	3378.84
IW019	08/02/2010	3423.78	45.32	NM	NA	3378.46
IW019	05/05/2011	3423.78	45.15	NM	NA	3378.63
IW019	11/04/2011	3423.78	45.42	NM	NA	3378.36
IW019	05/02/2012	3423.78	45.53	NM	NA	3378.25
IW019	10/24/2012	3423.78	45.91	NM	NA	3377.87
IW019	04/30/2013	3423.78	46.10	NM	NA	3377.68
IW019	10/28/2013	3423.78	46.50	NM	NA	3377.28
IW019	05/05/2014	3423.78	46.41	NM	NA	3377.37
IW019	11/03/2014	3423.78	45.93	NM	NA	3377.85
IW019	05/05/2015	3423.78	45.63	NM	NA	3378.15
IW019	11/02/2015	3423.78	45.68	NM	NA	3378.10
IW019	05/11/2016	3423.78	45.38	NM	NA	3378.40
IW019	09/15/2016	3423.78	45.35	NM	NA	3378.43
IW019	05/01/2017	3423.78	44.68	NM	NA	3379.10
IW019	09/18/2017	3423.78	44.78	NM	NA	3379.00
IW019	03/20/2018	3423.78	44.73	NM	NA	3379.05
IW019	09/10/2018	3423.78	44.28	NM	NA	3379.50
IW019	04/09/2019	3423.78	44.35	NM	NA	3379.43
IW019	10/07/2019	3423.78	44.57	NM	NA	3379.21
IW019	03/09/2020	3423.78	44.64	NM	NA	3379.14
IW019	03/08/2021	3423.78	44.35	NM	NA	3379.43
IW020	01/17/2006	3423.5	44.76	NM	NA	3378.74
IW020	06/20/2006	3423.5	44.55	NM	NA	3378.95
IW020	04/10/2007	3423.5	44.33	NM	NA	3379.17
IW020	04/09/2008	3423.5	44.33	NM	NA	3379.17
IW020	03/10/2009	3423.5	44.84	NM	NA	3378.66
IW020	03/01/2010	3423.5	44.75	NM	NA	3378.75
IW020	07/30/2010	3423.5	44.53	NM	NA	3378.97
IW020	05/05/2011	3423.5	44.81	NM	NA	3378.69
IW020	11/04/2011	3423.5	45.05	NM	NA	3378.45
IW020	05/02/2012	3423.5	45.09	NM	NA	3378.41
IW020	10/24/2012	3423.5	45.52	NM	NA	3377.98
IW020	04/30/2013	3423.5	45.70	NM	NA	3377.80
IW021	01/17/2006	3423.16	44.44	NM	NA	3378.72
IW021	06/20/2006	3423.16	44.15	NM	NA	3379.01
IW021	04/05/2007	3423.16	44.04	NM	NA	3379.12
IW021	03/19/2008	3423.16	43.91	NM	NA	3379.25
IW021	03/10/2009	3423.16	44.42	NM	NA	3378.74
IW021	03/01/2010	3423.16	44.75	NM	NA	3378.41
IW021	07/30/2010	3423.16	44.50	NM	NA	3378.66
IW021	05/05/2011	3423.16	44.44	NM	NA	3378.72
IW021	11/04/2011	3423.16	44.70	NM	NA	3378.46

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Location ID	Date	Top of Casing (feet amsl)	Depth To Groundwater (feet)	Depth to LNAPL (feet btoc)	LNAPL Thickness (feet)	Groundwater Elevation (feet amsl)
IW021	05/02/2012	3423.16	44.67	NM	NA	3378.49
IW021	10/24/2012	3423.16	45.08	NM	NA	3378.08
IW021	04/30/2013	3423.16	45.30	NM	NA	3377.86
IW021	10/28/2013	3423.16	45.57	NM	NA	3377.59
IW021	05/05/2014	3423.16	45.61	NM	NA	3377.55
IW021	11/03/2014	3423.16	45.04	NM	NA	3378.12
IW021	05/05/2015	3423.16	44.80	NM	NA	3378.36
IW021	11/02/2015	3423.16	44.85	NM	NA	3378.31
IW021	05/11/2016	3423.16	44.58	NM	NA	3378.58
IW021	09/15/2016	3423.16	44.50	NM	NA	3378.66
IW021	05/01/2017	3423.16	43.82	NM	NA	3379.34
IW022	01/17/2006	3423.16	44.39	NM	NA	3378.77
IW022	06/20/2006	3423.16	44.10	NM	NA	3379.06
IW022	04/10/2007	3423.16	43.87	NM	NA	3379.29
IW022	04/09/2008	3423.16	43.83	NM	NA	3379.33
IW022	03/10/2009	3423.16	44.33	NM	NA	3378.83
IW022	03/01/2010	3423.16	44.43	NM	NA	3378.73
IW022	07/30/2010	3423.16	44.46	NM	NA	3378.70
IW022	05/05/2011	3423.16	44.35	NM	NA	3378.81
IW022	11/04/2011	3423.16	44.65	NM	NA	3378.51
IW022	05/02/2012	3423.16	44.66	NM	NA	3378.50
IW022	10/24/2012	3423.16	44.99	NM	NA	3378.17
IW022	04/30/2013	3423.16	45.21	NM	NA	3377.95
IW022	10/28/2013	3423.16	44.44	NM	NA	3378.72
IW022	05/05/2014	3423.16	45.52	NM	NA	3377.64
IW022	11/03/2014	3423.16	45.00	NM	NA	3378.16
IW022	05/05/2015	3423.16	44.71	NM	NA	3378.45
IW022	11/02/2015	3423.16	44.80	NM	NA	3378.36
IW022	05/11/2016	3423.16	44.49	NM	NA	3378.67
IW022	09/15/2016	3423.16	44.45	NM	NA	3378.71
IW022	05/01/2017	3423.16	43.77	NM	NA	3379.39
IW023	01/17/2006	3426.05	47.25	NM	NA	3378.80
IW023	06/20/2006	3426.05	41.82	NM	NA	3384.23
IW023	04/10/2007	3426.05	46.65	NM	NA	3379.40
IW023	03/21/2008	3426.05	46.76	NM	NA	3379.29
IW023	03/10/2009	3426.05	47.14	NM	NA	3378.91
IW023	07/28/2009	3426.05	47.33	NM	NA	3378.72
IW023	03/01/2010	3426.05	47.29	NM	NA	3378.76
IW023	07/30/2010	3426.05	47.27	NM	NA	3378.78
IW023	05/05/2011	3426.05	47.22	NM	NA	3378.83
IW023	11/04/2011	3426.05	47.49	NM	NA	3378.56
IW023	05/02/2012	3426.05	47.53	NM	NA	3378.52
IW023	10/24/2012	3426.05	47.80	NM	NA	3378.25
IW023	04/30/2013	3426.05	48.01	NM	NA	3378.04
IW023	10/28/2013	3426.05	48.25	NM	NA	3377.80
IW023	05/05/2014	3426.05	48.31	NM	NA	3377.74
IW023	11/03/2014	3426.05	47.80	NM	NA	3378.25
IW023	05/05/2015	3426.05	47.51	NM	NA	3378.54
IW023	11/02/2015	3426.05	47.55	NM	NA	3378.50
IW023	05/11/2016	3426.05	47.29	NM	NA	3378.76
IW023	09/15/2016	3426.05	47.37	NM	NA	3378.68
IW023	05/01/2017	3426.05	46.57	NM	NA	3379.48
IW023	09/18/2017	3426.05	46.61	NM	NA	3379.44
IW023	03/20/2018	3426.05	46.37	NM	NA	3379.68
IW023	09/14/2018	3426.05	46.6	NM	NA	3379.45
IW023	04/10/2019	3426.05	46.20	NM	NA	3379.85
IW023	10/07/2019	3426.05	46.52	NM	NA	3379.53
IW023	03/09/2020	3426.05	46.52	NM	NA	3379.53
IW023	03/09/2021	3426.05	46.16	NM	NA	3379.89
IW024	01/18/2006	3426.63	47.15	NM	NA	3379.48
IW024	06/20/2006	3426.63	47.10	NM	NA	3379.53
IW024	04/04/2007	3426.63	46.85	NM	NA	3379.78
IW024	03/21/2008	3426.63	47.70	NM	NA	3378.93
IW024	03/10/2009	3426.63	47.25	NM	NA	3379.38
IW024	07/28/2009	3426.63	47.45	NM	NA	3379.18
IW024	03/01/2010	3426.63	47.45	NM	NA	3379.18
IW024	08/02/2010	3426.63	47.47	NM	NA	3379.16
IW024	05/05/2011	3426.63	47.32	NM	NA	3379.31
IW024	11/04/2011	3426.63	47.79	NM	NA	3378.84
IW024	05/03/2012	3426.63	47.64	NM	NA	3378.99

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Location ID	Date	Top of Casing (feet amsl)	Depth To Groundwater (feet)	Depth to LNAPL (feet btoc)	LNAPL Thickness (feet)	Groundwater Elevation (feet amsl)
IW024	10/23/2012	3426.63	48.02	NM	NA	3378.61
IW024	05/01/2013	3426.63	48.15	NM	NA	3378.48
IW024	10/29/2013	3426.63	48.37	NM	NA	3378.26
IW024	05/05/2014	3426.63	48.40	NM	NA	3378.23
IW024	11/03/2014	3426.63	47.96	NM	NA	3378.67
IW024	05/05/2015	3426.63	47.61	NM	NA	3379.02
IW024	11/02/2015	3426.63	47.65	NM	NA	3378.98
IW024	05/12/2016	3426.63	47.44	NM	NA	3379.19
IW024	09/14/2016	3426.63	47.37	NM	NA	3379.26
IW024	05/02/2017	3426.63	46.74	NM	NA	3379.89
IW024	03/20/2018	3426.63	46.47	NM	NA	3380.16
IW024	04/10/2019	3426.63	46.32	NM	NA	3380.31
IW024	10/07/2019	3426.63	46.65	NM	NA	3379.98
IW024	03/08/2021	3426.63	46.38	NM	NA	3380.25
IW025	01/18/2006	3427.62	48.09	NM	NA	3379.53
IW025	06/20/2006	3427.62	47.95	NM	NA	3379.67
IW025	04/04/2007	3427.62	47.72	NM	NA	3379.90
IW025	03/21/2008	3427.62	48.10	NM	NA	3379.52
IW025	03/10/2009	3427.62	47.20	NM	NA	3380.42
IW025	07/28/2009	3427.62	48.44	NM	NA	3379.18
IW025	03/01/2010	3427.62	48.52	NM	NA	3379.10
IW025	08/02/2010	3427.62	48.53	NM	NA	3379.09
IW025	05/05/2011	3427.62	48.37	NM	NA	3379.25
IW025	11/04/2011	3427.62	48.63	NM	NA	3378.99
IW025	05/03/2012	3427.62	49.72	NM	NA	3377.90
IW025	10/23/2012	3427.62	49.01	NM	NA	3378.61
IW025	05/01/2013	3427.62	49.20	NM	NA	3378.42
IW025	10/29/2013	3427.62	49.42	NM	NA	3378.20
IW025	05/05/2014	3427.62	49.45	NM	NA	3378.17
IW025	11/03/2014	3427.62	49.00	NM	NA	3378.62
IW025	05/05/2015	3427.62	48.66	NM	NA	3378.96
IW025	11/02/2015	3427.62	48.67	NM	NA	3378.95
IW025	05/12/2016	3427.62	48.49	NM	NA	3379.13
IW025	09/14/2016	3427.62	48.40	NM	NA	3379.22
IW025	05/02/2017	3426.63	47.79	NM	NA	3378.84
IW026	01/18/2006	3428.01	48.42	NM	NA	3379.59
IW026	06/20/2006	3428.01	48.26	NM	NA	3379.75
IW026	04/04/2007	3428.01	48.10	NM	NA	3379.91
IW026	03/21/2008	3428.01	48.05	NM	NA	3379.96
IW026	03/10/2009	3428.01	48.58	NM	NA	3379.43
IW026	07/28/2009	3428.01	48.76	NM	NA	3379.25
IW026	03/01/2010	3428.01	48.23	NM	NA	3379.78
IW026	08/02/2010	3428.01	48.72	NM	NA	3379.29
IW026	05/05/2011	3428.01	48.65	NM	NA	3379.36
IW026	11/04/2011	3428.01	49.90	NM	NA	3378.11
IW026	05/03/2012	3428.01	49.00	NM	NA	3379.01
IW026	10/23/2012	3428.01	49.70	NM	NA	3378.31
IW026	05/01/2013	3428.01	49.41	NM	NA	3378.60
IW026	10/29/2013	3428.01	49.61	NM	NA	3378.40
IW026	05/05/2014	3428.01	49.64	NM	NA	3378.37
IW026	11/03/2014	3428.01	49.22	NM	NA	3378.79
IW026	05/05/2015	3428.01	48.90	NM	NA	3379.11
IW026	11/02/2015	3428.01	48.92	NM	NA	3379.09
IW026	05/12/2016	3428.01	48.64	NM	NA	3379.37
IW026	09/22/2016	3428.01	48.65	NM	NA	3379.36
IW026	05/02/2017	3428.01	47.96	NM	NA	3380.05
IW027	01/18/2006	3428.17	48.55	NM	NA	3379.62
IW027	06/20/2006	3428.17	48.33	NM	NA	3379.84
IW027	04/04/2007	3428.17	48.17	NM	NA	3380.00
IW027	03/21/2008	3428.17	48.10	NM	NA	3380.07
IW027	03/11/2009	3428.17	48.66	NM	NA	3379.51
IW027	03/01/2010	3428.17	48.78	NM	NA	3379.39
IW027	08/02/2010	3428.17	48.80	NM	NA	3379.37
IW027	05/05/2011	3428.17	48.65	NM	NA	3379.52
IW027	11/04/2011	3428.17	48.90	NM	NA	3379.27
IW027	05/03/2012	3428.17	49.00	NM	NA	3379.17
IW027	10/23/2012	3428.17	49.29	NM	NA	3378.88
IW027	05/01/2013	3428.17	49.45	NM	NA	3378.72
IW027	10/29/2013	3428.17	49.65	NM	NA	3378.52
IW027	05/05/2014	3428.17	49.69	NM	NA	3378.48

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IW027	11/03/2014	3428.17	49.20	NM	NA	3378.97
IW027	05/05/2015	3428.17	48.87	NM	NA	3379.30
IW027	11/02/2015	3428.17	48.90	NM	NA	3379.27
IW027	05/12/2016	3428.17	48.68	NM	NA	3379.49
IW027	09/14/2016	3428.17	48.65	NM	NA	3379.52
IW027	05/02/2017	3428.17	48.01	NM	NA	3380.16
IW028	03/16/2005	3428.18	48.70	NM	NA	3379.48
IW028	05/23/2005	3428.18	49.09	NM	NA	3379.09
IW028	06/16/2005	3428.18	49.10	NM	NA	3379.08
IW028	01/17/2006	3428.18	48.53	NM	NA	3379.65
IW028	06/20/2006	3428.18	48.30	NM	NA	3379.88
IW028	04/04/2007	3428.18	48.09	NM	NA	3380.09
IW028	04/09/2008	3428.18	47.99	NM	NA	3380.19
IW028	03/11/2009	3428.18	48.51	NM	NA	3379.67
IW028	03/01/2010	3428.18	48.74	NM	NA	3379.44
IW028	08/02/2010	3428.18	48.76	NM	NA	3379.42
IW028	05/05/2011	3428.18	48.62	NM	NA	3379.56
IW028	11/04/2011	3428.18	48.82	NM	NA	3379.36
IW028	05/03/2012	3428.18	48.96	NM	NA	3379.22
IW028	10/23/2012	3428.18	49.21	NM	NA	3378.97
IW028	05/01/2013	3428.18	49.41	NM	NA	3378.77
IW028	10/29/2013	3428.18	49.60	NM	NA	3378.58
IW028	05/05/2014	3428.18	49.63	NM	NA	3378.55
IW028	11/03/2014	3428.18	49.15	NM	NA	3379.03
IW028	05/05/2015	3428.18	48.80	NM	NA	3379.38
IW028	11/02/2015	3428.18	48.84	NM	NA	3379.34
IW028	05/12/2016	3428.18	48.63	NM	NA	3379.55
IW028	09/14/2016	3428.18	48.60	NM	NA	3379.58
IW028	05/02/2017	3428.18	47.96	NM	NA	3380.22
IW029P	05/05/2014	3427.96	48.48	NM	NA	3379.48
IW029P	11/04/2014	3427.96	47.88	NM	NA	3380.08
IW029P	05/06/2015	3427.96	47.34	NM	NA	3380.62
IW029P	11/02/2015	3427.96	47.68	NM	NA	3380.28
IW029P	05/12/2016	3427.96	47.43	NM	NA	3380.53
IW029P	09/21/2016	3427.96	47.35	NM	NA	3380.61
IW029P	05/03/2017	3427.96	46.81	NM	NA	3381.15
IW030	10/23/2012	3427.96	48.88	NM	NA	3379.08
IW030	05/01/2013	3427.96	48.73	NM	NA	3379.23
IW030	10/29/2013	3427.96	49.25	NM	NA	3378.71
LordWW	12/18/1997	3419.97	44.00	NM	NA	3375.97
LordWW	11/16/1999	3419.97	42.67	NM	NA	3377.30
LordWW	06/07/2001	3419.97	41.90	NM	NA	3378.07
LordWW	02/06/2002	3419.97	42.01	NM	NA	3377.96
LordWW	09/03/2002	3419.97	41.88	NM	NA	3378.09
LordWW	12/09/2002	3419.97	41.88	NM	NA	3378.09
LordWW	06/05/2003	3419.97	41.95	NM	NA	3378.02
LordWW	01/22/2004	3419.97	42.25	NM	NA	3377.72
LordWW	03/30/2004	3419.97	42.34	NM	NA	3377.63
LordWW	06/07/2004	3419.97	42.12	NM	NA	3377.85
LordWW	09/17/2004	3419.97	41.93	NM	NA	3378.04
LordWW	05/23/2005	3419.97	40.93	NM	NA	3379.04
LordWW	01/17/2006	3419.97	40.59	NM	NA	3379.38
LordWW	06/23/2006	3419.97	40.57	NM	NA	3379.40
LordWW	04/05/2007	3419.97	40.05	NM	NA	3379.92
LordWW	03/18/2008	3419.97	48.17	NM	NA	3371.80
LordWW	08/04/2008	3419.97	40.43	NM	NA	3379.54
LordWW	03/10/2009	3419.97	40.61	NM	NA	3379.36
LordWW	07/28/2009	3419.97	40.80	NM	NA	3379.17
LordWW	03/01/2010	3419.97	40.84	NM	NA	3379.13
LordWW	08/02/2010	3419.97	38.21	NM	NA	3381.76
LordWW	10/26/2012	3419.97	41.38	NM	NA	3378.59
LordWW	05/23/2013	3419.97	41.47	NM	NA	3378.50
LordWW	11/05/2013	3419.97	39.17	NM	NA	3380.80
LordWW	11/04/2014	3419.97	41.20	NM	NA	3378.77
LordWW	11/09/2015	3419.97	40.94	NM	NA	3379.03
LordWW	05/10/2016	3419.97	40.66	NM	NA	3379.31
LordWW	09/22/2016	3419.97	40.65	NM	NA	3379.32
LordWW	05/03/2017	3419.97	39.96	NM	NA	3380.01
MW001	04/22/1997	3428.57	52.34	NM	NA	3376.23
MW001	12/18/1997	3428.57	52.32	NM	NA	3376.25

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MW001	11/16/1999	3428.57	51.32	NM	NA	3377.25
MW001	05/15/2001	3428.57	50.33	NM	NA	3378.24
MW001	08/23/2001	3428.57	51.02	NM	NA	3377.55
MW001	01/21/2002	3428.57	50.64	NM	NA	3377.93
MW001	04/04/2002	3428.57	50.66	NM	NA	3377.91
MW001	09/03/2002	3428.57	50.44	NM	NA	3378.13
MW001	12/02/2002	3428.57	50.20	NM	NA	3378.37
MW001	01/31/2003	3428.57	50.36	NM	NA	3378.21
MW001	03/28/2003	3428.57	50.54	NM	NA	3378.03
MW001	05/19/2003	3428.57	50.36	NM	NA	3378.21
MW001	09/09/2003	3428.57	50.52	NM	NA	3378.05
MW001	01/26/2004	3428.57	50.73	NM	NA	3377.84
MW001	03/30/2004	3428.57	50.71	NM	NA	3377.86
MW001	06/07/2004	3428.57	50.76	NM	NA	3377.81
MW001	09/17/2004	3428.57	50.30	NM	NA	3378.27
MW001	11/30/2004	3428.57	49.90	NM	NA	3378.67
MW001	03/31/2005	3428.57	49.25	NM	NA	3379.32
MW001	05/23/2005	3428.57	49.15	NM	NA	3379.42
MW001	01/17/2006	3428.57	48.39	NM	NA	3380.18
MW001	06/19/2006	3428.57	48.02	NM	NA	3380.55
MW001	04/19/2007	3428.57	47.75	NM	NA	3380.82
MW001	03/24/2008	3428.57	47.83	NM	NA	3380.74
MW001	03/01/2010	3428.57	48.46	NM	NA	3380.11
MW001	08/03/2010	3428.57	48.51	NM	NA	3380.06
MW001	05/06/2011	3428.57	49.05	NM	NA	3379.52
MW001	11/01/2011	3428.57	48.47	NM	NA	3380.10
MW001	05/03/2012	3428.57	48.57	NM	NA	3380.00
MW001	10/23/2012	3428.57	48.75	NM	NA	3379.82
MW001	05/02/2013	3428.57	49.00	NM	NA	3379.57
MW001	05/05/2014	3428.57	49.07	NM	NA	3379.50
MW001	11/03/2014	3428.57	48.78	NM	NA	3379.79
MW001	05/06/2015	3428.57	48.51	NM	NA	3380.06
MW001	09/16/2015	3428.57	48.27	NM	NA	3380.30
MW001	11/03/2015	3428.57	48.47	NM	NA	3380.10
MW001	05/12/2016	3428.57	48.30	NM	NA	3380.27
MW001	05/03/2017	3428.57	47.79	NM	NA	3380.78
MW001	09/18/2017	3428.57	47.67	NM	NA	3380.90
MW001	03/20/2018	3428.57	47.53	NM	NA	3381.04
MW001	09/11/2018	3428.57	47.69	NM	NA	3380.88
MW001	04/10/2019	3428.57	47.30	NM	NA	3381.27
MW001	10/07/2019	3428.57	47.60	NM	NA	3380.97
MW001	03/09/2020	3428.57	47.67	NM	NA	3380.90
MW001	03/12/2021	3428.57	47.54	NM	NA	3381.03
MW002	04/22/1997	3432.17	55.95	NM	NA	3376.22
MW002	12/18/1997	3432.17	55.62	NM	NA	3376.55
MW002	11/16/1999	3432.17	54.97	NM	NA	3377.20
MW002	05/15/2001	3432.17	54.15	NM	NA	3378.02
MW002	08/23/2001	3432.17	54.12	NM	NA	3378.05
MW002	01/21/2002	3432.17	54.30	NM	NA	3377.87
MW002	04/04/2002	3432.17	54.31	NM	NA	3377.86
MW002	09/03/2002	3432.17	54.14	NM	NA	3378.03
MW002	12/02/2002	3432.17	53.88	NM	NA	3378.29
MW002	01/30/2003	3432.17	53.88	NM	NA	3378.29
MW002	03/28/2003	3432.17	54.16	NM	NA	3378.01
MW002	05/19/2003	3432.17	53.97	NM	NA	3378.20
MW002	09/09/2003	3432.17	54.05	NM	NA	3378.12
MW002	12/02/2003	3432.17	53.89	NM	NA	3378.28
MW002	03/30/2004	3432.17	54.11	NM	NA	3378.06
MW002	06/07/2004	3432.17	54.21	NM	NA	3377.96
MW002	09/17/2004	3432.17	53.94	NM	NA	3378.23
MW002	11/30/2004	3432.17	53.74	NM	NA	3378.43
MW002	03/31/2005	3432.17	53.37	NM	NA	3378.80
MW002	05/23/2005	3432.17	53.06	NM	NA	3379.11
MW002	01/16/2006	3432.17	52.62	NM	NA	3379.55
MW002	06/19/2006	3432.17	52.20	NM	NA	3379.97
MW002	04/12/2007	3432.17	51.78	NM	NA	3380.39
MW002	03/19/2008	3432.17	51.69	NM	NA	3380.48
MW002	03/11/2009	3432.17	51.94	NM	NA	3380.23
MW002	03/01/2010	3432.17	51.99	NM	NA	3380.18
MW002	08/02/2010	3432.17	52.03	NM	NA	3380.14

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MW002	05/06/2011	3432.17	51.84	NM	NA	3380.33
MW002	11/02/2011	3432.17	51.89	NM	NA	3380.28
MW002	05/03/2012	3432.17	51.99	NM	NA	3380.18
MW002	10/24/2012	3432.17	52.12	NM	NA	3380.05
MW002	05/02/2013	3432.17	52.30	NM	NA	3379.87
MW002	10/29/2013	3432.17	52.30	NM	NA	3379.87
MW002	05/05/2014	3432.17	52.36	NM	NA	3379.81
MW002	11/04/2014	3432.17	52.31	NM	NA	3379.86
MW002	05/06/2015	3432.17	52.02	NM	NA	3380.15
MW002	11/03/2015	3432.17	51.95	NM	NA	3380.22
MW002	05/12/2016	3432.17	50.86	NM	NA	3381.31
MW002	09/22/2016	3432.17	51.83	NM	NA	3380.34
MW002	05/03/2017	3432.17	51.58	NM	NA	3380.59
MW002A	01/07/2003	3432.31	54.03	NM	NA	3378.28
MW002A	01/30/2003	3432.31	53.89	NM	NA	3378.42
MW002A	03/28/2003	3432.31	54.11	NM	NA	3378.20
MW002A	05/19/2003	3432.31	53.99	NM	NA	3378.32
MW002A	09/09/2003	3432.31	54.12	NM	NA	3378.19
MW002A	12/02/2003	3432.31	53.97	NM	NA	3378.34
MW002A	03/30/2004	3432.31	54.20	NM	NA	3378.11
MW002A	06/07/2004	3432.31	54.21	NM	NA	3378.10
MW002A	09/17/2004	3432.31	53.93	NM	NA	3378.38
MW002A	11/30/2004	3432.31	53.74	NM	NA	3378.57
MW002A	03/31/2005	3432.31	53.36	NM	NA	3378.95
MW002A	05/23/2005	3432.31	53.08	NM	NA	3379.23
MW002A	01/17/2006	3432.31	52.56	NM	NA	3379.75
MW002A	06/19/2006	3432.31	52.18	NM	NA	3380.13
MW002A	04/12/2007	3432.31	51.80	NM	NA	3380.51
MW002A	03/19/2008	3432.31	51.72	NM	NA	3380.59
MW002A	03/11/2009	3432.31	51.89	NM	NA	3380.42
MW002A	03/01/2010	3432.31	52.01	NM	NA	3380.30
MW002A	08/02/2010	3432.31	52.01	NM	NA	3380.30
MW002A	05/06/2011	3432.31	51.84	NM	NA	3380.47
MW002A	11/04/2011	3432.3	51.86	NM	NA	3380.44
MW002A	05/03/2012	3432.3	51.95	NM	NA	3380.35
MW002A	10/24/2012	3432.3	52.10	NM	NA	3380.20
MW002A	05/02/2013	3432.3	52.30	NM	NA	3380.00
MW002A	10/29/2013	3432.3	52.31	NM	NA	3379.99
MW002A	05/05/2014	3432.3	52.37	NM	NA	3379.93
MW002A	11/04/2014	3432.3	52.30	NM	NA	3380.00
MW002A	05/06/2015	3432.3	52.05	NM	NA	3380.25
MW002A	11/03/2015	3432.3	51.97	NM	NA	3380.33
MW002A	05/12/2016	3432.3	51.90	NM	NA	3380.40
MW002A	09/22/2016	3432.3	51.84	NM	NA	3380.46
MW002A	05/03/2017	3432.3	51.60	NM	NA	3380.70
MW002A	09/18/2017	3432.3	51.44	NM	NA	3380.86
MW002A	03/20/2018	3432.3	51.34	NM	NA	3380.96
MW002A	09/10/2018	3432.3	51.35	NM	NA	3380.95
MW002A	04/10/2019	3432.30	51.13	NM	NA	3381.17
MW002A	10/07/2019	3432.30	51.22	NM	NA	3381.08
MW002A	03/09/2020	3432.30	51.27	NM	NA	3381.03
MW002A	03/12/2021	3432.30	51.13	NM	NA	3381.17
MW002A	10/12/2021	3432.30	50.02	NM	NA	3382.28
MW003	04/22/1997	3428.27	49.79	NM	NA	3378.48
MW003	12/18/1997	3428.27	49.24	NM	NA	3379.03
MW003	11/16/1999	3428.27	50.49	NM	NA	3377.78
MW003	05/15/2001	3428.27	49.63	NM	NA	3378.64
MW003	08/23/2001	3428.27	49.99	NM	NA	3378.28
MW003	01/21/2002	3428.27	49.81	NM	NA	3378.46
MW003	04/04/2002	3428.27	49.92	NM	NA	3378.35
MW003	09/03/2002	3428.27	49.80	NM	NA	3378.47
MW003	12/02/2002	3428.27	49.51	NM	NA	3378.76
MW003	01/31/2003	3428.27	49.64	NM	NA	3378.63
MW003	03/28/2003	3428.27	49.61	NM	NA	3378.66
MW003	05/19/2003	3428.27	49.57	NM	NA	3378.70
MW003	09/09/2003	3428.27	49.64	NM	NA	3378.63
MW003	12/03/2003	3428.27	49.70	NM	NA	3378.57
MW003	03/30/2004	3428.27	49.78	NM	NA	3378.49
MW003	06/07/2004	3428.27	49.74	NM	NA	3378.53
MW003	09/17/2004	3428.27	49.38	NM	NA	3378.89

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Location ID	Date	Top of Casing (feet amsl)	Depth To Groundwater (feet)	Depth to LNAPL (feet btoc)	LNAPL Thickness (feet)	Groundwater Elevation (feet amsl)
MW003	11/30/2004	3428.27	48.80	NM	NA	3379.47
MW003	03/31/2005	3428.27	48.40	NM	NA	3379.87
MW003	05/23/2005	3428.27	48.31	NM	NA	3379.96
MW003	01/17/2006	3428.27	47.79	NM	NA	3380.48
MW003	06/19/2006	3428.27	47.65	NM	NA	3380.62
MW003	04/16/2007	3428.27	47.23	NM	NA	3381.04
MW003	03/19/2008	3428.27	47.21	NM	NA	3381.06
MW003	03/11/2009	3428.27	47.73	NM	NA	3380.54
MW003	03/01/2010	3428.27	47.94	NM	NA	3380.33
MW003	08/03/2010	3428.27	48.00	NM	NA	3380.27
MW003	05/06/2011	3428.27	47.75	NM	NA	3380.52
MW003	11/01/2011	3428.27	47.90	NM	NA	3380.37
MW003	05/04/2012	3428.27	48.13	NM	NA	3380.14
MW003	10/23/2012	3428.27	48.33	NM	NA	3379.94
MW003	05/02/2013	3428.27	48.52	NM	NA	3379.75
MW003	10/29/2013	3428.27	48.61	NM	NA	3379.66
MW003	05/05/2014	3428.27	48.62	NM	NA	3379.65
MW003	11/04/2014	3428.27	47.91	NM	NA	3380.36
MW003	05/06/2015	3428.27	47.91	NM	NA	3380.36
MW003	11/02/2015	3428.27	47.90	NM	NA	3380.37
MW003	05/12/2016	3428.27	47.74	NM	NA	3380.53
MW003	09/21/2016	3428.27	47.50	NM	NA	3380.77
MW003	05/03/2017	3428.27	47.02	NM	NA	3381.25
MW004	04/22/1997	3423.38	48.24	NM	NA	3375.14
MW004	12/18/1997	3423.38	47.69	NM	NA	3375.69
MW004	11/16/1999	3423.38	46.76	NM	NA	3376.62
MW004	05/15/2001	3423.38	45.91	NM	NA	3377.47
MW004	08/23/2001	3423.38	46.12	NM	NA	3377.26
MW004	01/21/2002	3423.38	46.20	NM	NA	3377.18
MW004	04/04/2002	3423.38	46.27	NM	NA	3377.11
MW004	09/03/2002	3423.38	45.95	NM	NA	3377.43
MW004	12/02/2002	3423.38	45.85	NM	NA	3377.53
MW004	01/31/2003	3423.38	45.94	NM	NA	3377.44
MW004	03/28/2003	3423.38	45.96	NM	NA	3377.42
MW004	05/19/2003	3423.38	45.97	NM	NA	3377.41
MW004	09/09/2003	3423.38	46.14	NM	NA	3377.24
MW004	12/03/2003	3423.38	46.15	NM	NA	3377.23
MW004	03/30/2004	3423.38	46.24	NM	NA	3377.14
MW004	06/07/2004	3423.38	46.19	NM	NA	3377.19
MW004	09/17/2004	3423.38	45.90	NM	NA	3377.48
MW004	11/29/2004	3423.38	45.44	NM	NA	3377.94
MW004	03/31/2005	3423.38	42.85	NM	NA	3380.53
MW004	05/23/2005	3423.38	44.90	NM	NA	3378.48
MW004	01/18/2006	3423.38	44.17	NM	NA	3379.21
MW004	06/19/2006	3423.38	43.95	NM	NA	3379.43
MW004	04/17/2007	3423.38	43.76	NM	NA	3379.62
MW004	03/19/2008	3423.38	43.78	NM	NA	3379.60
MW004	03/11/2009	3423.38	44.33	NM	NA	3379.05
MW004	03/01/2010	3423.38	44.43	NM	NA	3378.95
MW004	08/02/2010	3423.38	44.38	NM	NA	3379.00
MW004	05/06/2011	3423.38	44.29	NM	NA	3379.09
MW004	11/01/2011	3423.38	44.52	NM	NA	3378.86
MW004	05/04/2012	3423.38	44.63	NM	NA	3378.75
MW004	10/23/2012	3423.38	44.94	NM	NA	3378.44
MW004	05/01/2013	3423.38	45.15	NM	NA	3378.23
MW004	10/29/2013	3423.38	45.35	NM	NA	3378.03
MW004	05/05/2014	3423.38	45.36	NM	NA	3378.02
MW004	11/03/2014	3423.38	44.87	NM	NA	3378.51
MW004	05/06/2015	3423.38	44.62	NM	NA	3378.76
MW004	11/02/2015	3423.38	44.60	NM	NA	3378.78
MW004	05/12/2016	3423.38	44.43	NM	NA	3378.95
MW004	09/14/2016	3423.38	44.36	NM	NA	3379.02
MW004	05/02/2017	3423.38	43.58	NM	NA	3379.80
MW004A	12/18/1997	3423.57	48.00	NM	NA	3375.57
MW004A	11/16/1999	3423.57	47.00	NM	NA	3376.57
MW004A	05/15/2001	3423.57	46.31	NM	NA	3377.26
MW004A	08/23/2001	3423.57	46.44	NM	NA	3377.13
MW004A	01/21/2002	3423.57	46.44	NM	NA	3377.13
MW004A	04/04/2002	3423.57	46.52	NM	NA	3377.05
MW004A	09/03/2002	3423.57	46.49	NM	NA	3377.08

Appendix C
Historical Groundwater Elevations
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Location ID	Date	Top of Casing (feet amsl)	Depth To Groundwater (feet)	Depth to LNAPL (feet btoc)	LNAPL Thickness (feet)	Groundwater Elevation (feet amsl)
MW004A	12/02/2002	3423.57	46.10	NM	NA	3377.47
MW004A	01/31/2003	3423.57	46.16	NM	NA	3377.41
MW004A	03/28/2003	3423.57	46.20	NM	NA	3377.37
MW004A	05/19/2003	3423.57	46.21	NM	NA	3377.36
MW004A	09/09/2003	3423.57	46.36	NM	NA	3377.21
MW004A	12/03/2003	3423.57	46.38	NM	NA	3377.19
MW004A	03/30/2004	3423.57	46.45	NM	NA	3377.12
MW004A	06/07/2004	3423.57	46.66	NM	NA	3376.91
MW004A	09/17/2004	3423.57	46.18	NM	NA	3377.39
MW004A	11/30/2004	3423.57	45.62	NM	NA	3377.95
MW004A	03/31/2005	3423.57	45.61	NM	NA	3377.96
MW004A	05/23/2005	3423.57	45.19	NM	NA	3378.38
MW004A	01/18/2006	3423.57	44.39	NM	NA	3379.18
MW004A	06/19/2006	3423.57	44.21	NM	NA	3379.36
MW004A	04/16/2007	3423.57	43.95	NM	NA	3379.62
MW004A	03/19/2008	3423.57	43.98	NM	NA	3379.59
MW004A	03/11/2009	3423.57	44.54	NM	NA	3379.03
MW004A	03/01/2010	3423.57	44.71	NM	NA	3378.86
MW004A	08/02/2010	3423.57	44.75	NM	NA	3378.82
MW004A	05/06/2011	3423.57	44.50	NM	NA	3379.07
MW004A	11/04/2011	3423.57	44.74	NM	NA	3378.83
MW004A	05/22/2012	3423.57	44.85	NM	NA	3378.72
MW004A	10/23/2012	3423.57	45.25	NM	NA	3378.32
MW004A	05/01/2013	3423.57	45.35	NM	NA	3378.22
MW004A	10/29/2013	3423.57	45.57	NM	NA	3378.00
MW004A	05/05/2014	3423.57	45.60	NM	NA	3377.97
MW004A	11/03/2014	3423.57	45.11	NM	NA	3378.46
MW004A	05/06/2015	3423.57	44.92	NM	NA	3378.65
MW004A	11/02/2015	3423.57	44.83	NM	NA	3378.74
MW004A	05/12/2016	3423.57	44.62	NM	NA	3378.95
MW004A	09/14/2016	3423.57	44.62	NM	NA	3378.95
MW004A	05/02/2017	3423.57	43.83	NM	NA	3379.74
MW004A	09/18/2017	3423.57	43.97	NM	NA	3379.60
MW004A	03/20/2018	3423.57	43.7	NM	NA	3379.87
MW004A	09/14/2018	3423.57	43.95	NM	NA	3379.62
MW004A	04/10/2019	3423.57	43.52	NM	NA	3380.05
MW004A	10/07/2019	3423.57	43.84	NM	NA	3379.73
MW004A	03/09/2020	3423.57	44.05	NM	NA	3379.52
MW004A	03/08/2021	3423.57	43.58	NM	NA	3379.99
MW004A	10/12/2021	3423.57	43.81	NM	NA	3379.76
MW005	04/22/1997	3424.77	49.30	NM	NA	3375.47
MW005	12/18/1997	3424.77	49.52	NM	NA	3375.25
MW005	11/16/1999	3424.77	48.14	NM	NA	3376.63
MW005	08/23/2001	3424.77	47.82	NM	NA	3376.95
MW005	01/21/2002	3424.77	47.80	NM	NA	3376.97
MW005	04/09/2002	3424.77	47.31	NM	NA	3377.46
MW005	04/10/2003	3424.77	47.27	NM	NA	3377.50
MW005	05/19/2003	3424.77	47.25	NM	NA	3377.52
MW005	09/08/2003	3424.77	49.22	NM	NA	3375.55
MW005	12/03/2003	3424.77	47.51	NM	NA	3377.26
MW005	03/30/2004	3424.77	47.56	NM	NA	3377.21
MW005	06/07/2004	3424.77	47.54	NM	NA	3377.23
MW005	09/17/2004	3424.77	47.18	NM	NA	3377.59
MW005	11/30/2004	3424.77	46.51	NM	NA	3378.26
MW005	04/01/2005	3424.77	46.26	NM	NA	3378.51
MW005	05/23/2005	3424.77	46.04	NM	NA	3378.73
MW005	01/18/2006	3424.77	45.30	NM	NA	3379.47
MW005	06/15/2006	3424.77	45.05	NM	NA	3379.72
MW005	04/19/2007	3424.77	44.82	NM	NA	3379.95
MW005	03/24/2008	3424.77	44.92	NM	NA	3379.85
MW005	03/11/2009	3424.77	45.49	NM	NA	3379.28
MW005	03/01/2010	3424.77	45.55	NM	NA	3379.22
MW005	08/03/2010	3424.77	45.56	NM	NA	3379.21
MW005	05/05/2011	3424.77	45.35	NM	NA	3379.42
MW005	11/01/2011	3424.77	45.13	NM	NA	3379.64
MW005	05/22/2012	3424.77	45.76	NM	NA	3379.01
MW005	10/25/2012	3424.77	48.64	NM	NA	3376.13
MW005	05/02/2013	3424.77	46.25	NM	NA	3378.52
MW005	10/29/2013	3424.77	46.35	NM	NA	3378.42
MW005*	05/03/2017	3424.77	12.95	NM	NA	3411.82

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Location ID	Date	Top of Casing (feet amsl)	Depth To Groundwater (feet)	Depth to LNAPL (feet btoc)	LNAPL Thickness (feet)	Groundwater Elevation (feet amsl)
MW006	04/22/1997	3425.26	49.26	NM	NA	3376.00
MW006	12/18/1997	3425.26	49.69	NM	NA	3375.57
MW006	11/16/1999	3425.26	48.69	NM	NA	3376.57
MW006	05/15/2001	3425.26	49.48	NM	NA	3375.78
MW006	08/23/2001	3425.26	50.21	NM	NA	3375.05
MW006	01/21/2002	3425.26	50.11	NM	NA	3375.15
MW006	04/09/2002	3425.26	50.35	NM	NA	3374.91
MW006	09/11/2002	3425.26	49.55	NM	NA	3375.71
MW006	12/05/2002	3425.26	49.13	NM	NA	3376.13
MW006	04/10/2003	3425.26	49.61	NM	NA	3375.65
MW006	05/19/2003	3425.26	49.63	NM	NA	3375.63
MW006	09/08/2003	3425.26	49.22	NM	NA	3376.04
MW006	12/03/2003	3425.26	49.95	NM	NA	3375.31
MW006	03/30/2004	3425.26	50.63	NM	NA	3374.63
MW006	06/07/2004	3425.26	49.25	NM	NA	3376.01
MW006	09/17/2004	3425.26	48.75	NM	NA	3376.51
MW006	11/30/2004	3425.26	46.94	NM	NA	3378.32
MW006	04/01/2005	3425.26	46.70	NM	NA	3378.56
MW006	05/23/2005	3425.26	46.49	NM	NA	3378.77
MW006	01/18/2006	3425.26	45.74	NM	NA	3379.52
MW006	06/15/2006	3425.26	45.47	NM	NA	3379.79
MW006	04/23/2007	3425.26	45.25	NM	NA	3380.01
MW006	03/24/2008	3425.26	45.35	NM	NA	3379.91
MW006	03/11/2009	3425.26	45.90	NM	NA	3379.36
MW006	03/01/2010	3425.26	45.97	NM	NA	3379.29
MW006	08/03/2010	3425.26	48.97	NM	NA	3376.29
MW006	05/05/2011	3425.26	45.75	NM	NA	3379.51
MW006	11/02/2011	3425.26	45.55	NM	NA	3379.71
MW006	05/22/2012	3425.26	46.10	43.60	2.50	3381.04
MW006	10/25/2012	3425.26	46.09	NM	NA	3379.17
MW006	05/02/2013	3425.26	46.74	46.40	0.34	3378.78
MW006	10/29/2013	3425.26	49.74	46.44	3.30	3378.00
MW006	05/05/2014	3425.26	49.66	NM	NA	3375.60
MW006	11/03/2014	3425.26	46.08	42.53	3.55	3381.84
MW006	05/05/2015	3425.26	46.20	46.14	0.06	3379.11
MW006	09/16/2015	3425.26	46.03	NM	NA	3379.23
MW006	11/03/2015	3425.26	46.00	45.99	0.01	3379.27
MW006	05/08/2016	3425.26	46.10	45.95	0.15	3379.27
MW006	09/16/2016	3425.26	46.03	45.90	0.13	3379.33
MW006	05/03/2017	3425.26	45.33	45.21	0.12	3380.02
MW006	09/18/2017	3425.26	45.3	45.21	0.09	3380.03
MW006	03/20/2018	3425.26	44.98	NM	NA	3380.28
MW006	09/10/2018	3425.26	45.37	42.25	3.12	3382.23
MW006	04/10/2019	3425.26	44.89	44.79	0.10	3380.45
MW006	10/07/2019	3425.26	45.19	45.05	0.14	3380.18
MW006	03/09/2020	3425.26	45.25	45.00	0.25	3380.20
MW006	09/24/2020	3425.26	45.17	45.17	0.00	3380.09
MW006	03/12/2021	3425.26	45.19	45.07	0.12	3380.16
MW006	10/12/2021	3425.26	45.25	45.13	0.12	3380.10
MW007	12/18/1997	3428.39	49.43	NM	NA	3378.96
MW007	11/16/1999	3428.39	50.57	NM	NA	3377.82
MW007	05/15/2001	3428.39	49.70	NM	NA	3378.69
MW007	08/23/2001	3428.39	50.06	NM	NA	3378.33
MW007	01/21/2002	3428.39	49.93	NM	NA	3378.46
MW007	04/04/2002	3428.39	50.03	NM	NA	3378.36
MW007	09/03/2002	3428.39	49.90	NM	NA	3378.49
MW007	12/02/2002	3428.39	49.60	NM	NA	3378.79
MW007	01/31/2003	3428.39	49.71	NM	NA	3378.68
MW007	03/28/2003	3428.39	49.70	NM	NA	3378.69
MW007	05/19/2003	3428.39	49.60	NM	NA	3378.79
MW007	09/09/2003	3428.39	49.73	NM	NA	3378.66
MW007	12/03/2003	3428.39	49.71	NM	NA	3378.68
MW007	03/30/2004	3428.39	49.89	NM	NA	3378.50
MW007	06/07/2004	3428.39	49.82	NM	NA	3378.57
MW007	09/17/2004	3428.39	49.44	NM	NA	3378.95
MW007	11/30/2004	3428.39	48.90	NM	NA	3379.49
MW007	03/31/2005	3428.39	48.50	NM	NA	3379.89
MW007	05/23/2005	3428.39	48.41	NM	NA	3379.98
MW007	01/17/2006	3428.39	47.91	NM	NA	3380.48
MW007	06/19/2006	3428.39	47.75	NM	NA	3380.64

Appendix C
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Location ID	Date	Top of Casing (feet amsl)	Depth To Groundwater (feet)	Depth to LNAPL (feet btoc)	LNAPL Thickness (feet)	Groundwater Elevation (feet amsl)
MW007	04/16/2007	3428.39	47.33	NM	NA	3381.06
MW007	03/19/2008	3428.39	47.35	NM	NA	3381.04
MW007	03/10/2009	3428.39	47.78	NM	NA	3380.61
MW007	03/01/2010	3428.39	48.09	NM	NA	3380.30
MW007	08/03/2010	3428.39	48.14	NM	NA	3380.25
MW007	05/06/2011	3428.39	47.90	NM	NA	3380.49
MW007	11/01/2011	3428.39	48.01	NM	NA	3380.38
MW007	05/04/2012	3428.39	48.25	NM	NA	3380.14
MW007	10/23/2012	3428.39	48.52	NM	NA	3379.87
MW007	05/02/2013	3428.39	48.70	NM	NA	3379.69
MW007	10/29/2013	3428.39	48.73	NM	NA	3379.66
MW007	05/05/2014	3428.39	48.76	NM	NA	3379.63
MW007	11/04/2014	3428.39	48.01	NM	NA	3380.38
MW007	05/06/2015	3428.39	48.05	NM	NA	3380.34
MW007	11/02/2015	3428.39	48.02	NM	NA	3380.37
MW007	05/12/2016	3428.39	47.89	NM	NA	3380.50
MW007	09/21/2016	3428.39	47.66	NM	NA	3380.73
MW007	05/03/2017	3428.39	47.22	NM	NA	3381.17
MW007A	12/18/1997	3428.13	49.37	NM	NA	3378.76
MW007A	11/16/1999	3428.13	50.22	NM	NA	3377.91
MW007A	05/15/2001	3428.13	49.38	NM	NA	3378.75
MW007A	08/23/2001	3428.13	49.72	NM	NA	3378.41
MW007A	01/21/2002	3428.13	49.64	NM	NA	3378.49
MW007A	04/04/2002	3428.13	49.74	NM	NA	3378.39
MW007A	09/03/2002	3428.13	49.60	NM	NA	3378.53
MW007A	12/02/2002	3428.13	49.32	NM	NA	3378.81
MW007A	01/31/2003	3428.13	49.43	NM	NA	3378.70
MW007A	03/28/2003	3428.13	49.43	NM	NA	3378.70
MW007A	05/19/2003	3428.13	49.37	NM	NA	3378.76
MW007A	09/09/2003	3428.13	49.43	NM	NA	3378.70
MW007A	12/03/2003	3428.13	49.49	NM	NA	3378.64
MW007A	03/30/2004	3428.13	49.60	NM	NA	3378.53
MW007A	06/07/2004	3428.13	49.53	NM	NA	3378.60
MW007A	09/17/2004	3428.13	49.22	NM	NA	3378.91
MW007A	01/17/2006	3428.13	47.66	NM	NA	3380.47
MW007A	06/19/2006	3428.13	47.50	NM	NA	3380.63
MW007A	04/16/2007	3428.13	47.11	NM	NA	3381.02
MW007A	03/19/2008	3428.13	47.12	NM	NA	3381.01
MW007A	03/11/2009	3428.13	47.64	NM	NA	3380.49
MW007A	03/01/2010	3428.13	47.85	NM	NA	3380.28
MW007A	08/03/2010	3428.13	47.89	NM	NA	3380.24
MW007A	05/06/2011	3428.13	47.68	NM	NA	3380.45
MW007A	11/04/2011	3428.13	47.63	NM	NA	3380.50
MW007A	05/04/2012	3428.13	48.02	NM	NA	3380.11
MW007A	10/23/2012	3428.13	48.23	NM	NA	3379.90
MW007A	05/02/2013	3428.13	48.44	NM	NA	3379.69
MW007A	10/29/2013	3428.13	48.51	NM	NA	3379.62
MW007A	05/05/2014	3428.13	48.56	NM	NA	3379.57
MW007A	11/04/2014	3428.13	47.96	NM	NA	3380.17
MW007A	05/06/2015	3428.13	47.86	NM	NA	3380.27
MW007A	11/02/2015	3428.13	47.81	NM	NA	3380.32
MW007A	05/12/2016	3428.13	47.71	NM	NA	3380.42
MW007A	09/22/2016	3428.13	47.50	NM	NA	3380.63
MW007A	05/03/2017	3428.13	47.04	NM	NA	3381.09
MW007A	09/18/2017	3428.13	46.88	NM	NA	3381.25
MW007A	03/20/2018	3428.13	46.73	NM	NA	3381.40
MW007A	09/14/2018	3428.13	47.13	NM	NA	3381.00
MW007A	04/10/2019	3428.13	46.58	NM	NA	3381.55
MW007A	10/07/2019	3428.13	46.86	NM	NA	3381.27
MW007A	03/09/2020	3428.13	46.95	NM	NA	3381.18
MW007A	09/24/2020	3428.13	46.74	NM	NA	3381.39
MW007A	03/08/2021	3428.13	46.73	NM	NA	3381.40
MW007A	10/12/2021	3428.13	46.79	NM	NA	3381.34
MW008	12/18/1997	3430.13	50.76	NM	NA	3379.37
MW008	11/16/1999	3430.13	52.25	NM	NA	3377.88
MW008	05/15/2001	3430.13	51.36	NM	NA	3378.77
MW008	08/23/2001	3430.13	51.72	NM	NA	3378.41
MW008	01/21/2002	3430.13	51.53	NM	NA	3378.60
MW008	04/04/2002	3430.13	51.60	NM	NA	3378.53
MW008	09/03/2002	3430.13	51.51	NM	NA	3378.62

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Location ID	Date	Top of Casing (feet amsl)	Depth To Groundwater (feet)	Depth to LNAPL (feet btoc)	LNAPL Thickness (feet)	Groundwater Elevation (feet amsl)
MW008	12/02/2002	3430.13	51.27	NM	NA	3378.86
MW008	01/31/2003	3430.13	51.31	NM	NA	3378.82
MW008	03/28/2003	3430.13	51.31	NM	NA	3378.82
MW008	05/19/2003	3430.13	51.21	NM	NA	3378.92
MW008	09/09/2003	3430.13	51.33	NM	NA	3378.80
MW008	12/03/2003	3430.13	51.33	NM	NA	3378.80
MW008	03/30/2004	3430.13	51.40	NM	NA	3378.73
MW008	06/07/2004	3430.13	51.82	NM	NA	3378.31
MW008	11/30/2004	3430.13	50.64	NM	NA	3379.49
MW008	03/31/2005	3430.13	50.24	NM	NA	3379.89
MW008	05/23/2005	3430.13	50.14	NM	NA	3379.99
MW008	01/17/2006	3430.13	49.52	NM	NA	3380.61
MW008	06/19/2006	3430.13	49.37	NM	NA	3380.76
MW008	04/03/2007	3430.13	48.93	NM	NA	3381.20
MW008	03/24/2008	3430.13	48.80	NM	NA	3381.33
MW008	03/11/2009	3430.13	49.24	NM	NA	3380.89
MW008	03/01/2010	3430.13	49.52	NM	NA	3380.61
MW008	08/03/2010	3430.13	49.49	NM	NA	3380.64
MW008	05/06/2011	3430.13	49.30	NM	NA	3380.83
MW008	11/01/2011	3430.13	49.45	NM	NA	3380.68
MW008	05/04/2012	3430.13	49.58	NM	NA	3380.55
MW008	10/23/2012	3430.13	49.75	NM	NA	3380.38
MW008	05/02/2013	3430.13	49.93	NM	NA	3380.20
MW008	10/29/2013	3430.13	50.03	NM	NA	3380.10
MW008	05/05/2014	3430.13	50.10	NM	NA	3380.03
MW008	11/04/2014	3430.13	49.80	NM	NA	3380.33
MW008	05/06/2015	3430.13	49.48	NM	NA	3380.65
MW008	09/16/2015	3430.13	49.30	NM	NA	3380.83
MW008	05/12/2016	3430.13	49.36	NM	NA	3380.77
MW008	05/03/2017	3430.13	48.74	NM	NA	3381.39
MW008A	12/18/1997	3430.01	50.81	NM	NA	3379.20
MW008A	11/16/1999	3430.01	52.16	NM	NA	3377.85
MW008A	05/15/2001	3430.01	51.34	NM	NA	3378.67
MW008A	08/23/2001	3430.01	51.64	NM	NA	3378.37
MW008A	01/21/2002	3430.01	51.49	NM	NA	3378.52
MW008A	04/04/2002	3430.01	51.53	NM	NA	3378.48
MW008A	09/03/2002	3430.01	51.41	NM	NA	3378.60
MW008A	12/02/2002	3430.01	51.16	NM	NA	3378.85
MW008A	01/31/2003	3430.01	51.24	NM	NA	3378.77
MW008A	03/28/2003	3430.01	51.25	NM	NA	3378.76
MW008A	05/19/2003	3430.01	51.21	NM	NA	3378.80
MW008A	09/09/2003	3430.01	51.26	NM	NA	3378.75
MW008A	12/03/2003	3430.01	51.21	NM	NA	3378.80
MW008A	03/30/2004	3430.01	51.29	NM	NA	3378.72
MW008A	06/07/2004	3430.01	51.32	NM	NA	3378.69
MW008A	11/30/2004	3430.01	50.68	NM	NA	3379.33
MW008A	03/31/2005	3430.01	50.24	NM	NA	3379.77
MW008A	05/23/2005	3430.01	50.12	NM	NA	3379.89
MW008A	01/17/2006	3430.01	49.58	NM	NA	3380.43
MW008A	06/19/2006	3430.01	49.41	NM	NA	3380.60
MW008A	04/03/2007	3430.01	48.48	NM	NA	3381.53
MW008A	03/24/2008	3430.01	49.12	NM	NA	3380.89
MW008A	03/11/2009	3430.01	49.18	NM	NA	3380.83
MW008A	03/01/2010	3430.01	49.57	NM	NA	3380.44
MW008A	08/03/2010	3430.01	49.56	NM	NA	3380.45
MW008A	05/06/2011	3430.01	49.40	NM	NA	3380.61
MW008A	11/04/2011	3430.01	49.24	NM	NA	3380.77
MW008A	05/04/2012	3430.01	49.62	NM	NA	3380.39
MW008A	10/23/2012	3430.01	49.59	NM	NA	3380.42
MW008A	05/02/2013	3430.01	49.95	NM	NA	3380.06
MW008A	10/29/2013	3430.01	49.96	NM	NA	3380.05
MW008A	05/05/2014	3430.01	50.01	NM	NA	3380.00
MW008A	11/04/2014	3430.01	49.80	NM	NA	3380.21
MW008A	05/06/2015	3430.01	49.44	NM	NA	3380.57
MW008A	09/16/2015	3430.01	49.20	NM	NA	3380.81
MW008A	11/02/2015	3430.01	49.35	NM	NA	3380.66
MW008A	05/12/2016	3430.01	49.30	NM	NA	3380.71
MW008A	05/03/2017	3430.01	48.69	NM	NA	3381.32
MW008M	01/21/2002	3430.27	51.71	NM	NA	3378.56
MW008M	04/04/2002	3430.27	51.77	NM	NA	3378.50

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Location ID	Date	Top of Casing (feet amsl)	Depth To Groundwater (feet)	Depth to LNAPL (feet btoc)	LNAPL Thickness (feet)	Groundwater Elevation (feet amsl)
MW008M	09/03/2002	3430.27	51.68	NM	NA	3378.59
MW008M	12/02/2002	3430.27	51.45	NM	NA	3378.82
MW008M	01/31/2003	3430.27	51.52	NM	NA	3378.75
MW008M	03/28/2003	3430.27	51.47	NM	NA	3378.80
MW008M	05/19/2003	3430.27	51.44	NM	NA	3378.83
MW008M	09/09/2003	3430.27	51.49	NM	NA	3378.78
MW008M	12/03/2003	3430.27	51.44	NM	NA	3378.83
MW008M	03/30/2004	3430.27	51.52	NM	NA	3378.75
MW008M	06/07/2004	3430.27	51.56	NM	NA	3378.71
MW008M	11/30/2004	3430.27	50.79	NM	NA	3379.48
MW008M	03/31/2005	3430.27	50.47	NM	NA	3379.80
MW008M	05/23/2005	3430.27	50.32	NM	NA	3379.95
MW008M	01/17/2006	3430.27	49.77	NM	NA	3380.50
MW008M	06/19/2006	3430.27	49.65	NM	NA	3380.62
MW008M	04/13/2007	3430.27	49.39	NM	NA	3380.88
MW008M	03/24/2008	3430.27	49.12	NM	NA	3381.15
MW008M	03/11/2009	3430.27	49.44	NM	NA	3380.83
MW008M	03/01/2010	3430.27	49.73	NM	NA	3380.54
MW008M	08/03/2010	3430.27	49.70	NM	NA	3380.57
MW008M	05/03/2011	3430.27	49.55	NM	NA	3380.72
MW008M	11/02/2011	3427.95	49.69	NM	NA	3378.26
MW008M	05/04/2012	3427.95	49.84	NM	NA	3378.11
MW008M	10/23/2012	3427.95	50.02	NM	NA	3377.93
MW008M	05/02/2013	3427.95	50.22	NM	NA	3377.73
MW008M	10/29/2013	3427.95	50.26	NM	NA	3377.69
MW008M	05/05/2014	3427.95	50.30	NM	NA	3377.65
MW008M	11/04/2014	3427.95	50.05	NM	NA	3377.90
MW008M	05/06/2015	3427.95	49.71	NM	NA	3378.24
MW008M	09/16/2015	3427.95	49.45	NM	NA	3378.50
MW008M	11/02/2015	3427.95	49.68	NM	NA	3378.27
MW008M	05/12/2016	3427.95	49.61	NM	NA	3378.34
MW008M	05/03/2017	3427.95	48.96	NM	NA	3378.99
MW008M	09/18/2017	3427.95	48.87	NM	NA	3379.08
MW008M	03/20/2018	3427.95	48.71	NM	NA	3379.24
MW008M	09/10/2018	3427.95	48.84	NM	NA	3379.11
MW008M	04/10/2019	3427.95	48.55	NM	NA	3379.40
MW008M	10/07/2019	3427.95	48.76	NM	NA	3379.19
MW008M	03/09/2020	3430.27	48.8	NM	NA	3381.47
MW008M	03/08/2021	3427.95	48.72	NM	NA	3379.23
MW008M	10/12/2021	3427.95	48.73	NM	NA	3379.22
MW009	12/18/1997	3427.63	48.98	NM	NA	3378.65
MW009	11/16/1999	3427.63	50.38	NM	NA	3377.25
MW009	05/15/2001	3427.63	49.59	NM	NA	3378.04
MW009	08/23/2001	3427.63	49.85	NM	NA	3377.78
MW009	01/21/2002	3427.63	49.82	NM	NA	3377.81
MW009	04/04/2002	3427.63	49.88	NM	NA	3377.75
MW009	09/03/2002	3427.63	49.75	NM	NA	3377.88
MW009	12/02/2002	3427.63	49.55	NM	NA	3378.08
MW009	01/31/2003	3427.63	49.60	NM	NA	3378.03
MW009	03/28/2003	3427.63	49.57	NM	NA	3378.06
MW009	05/19/2003	3427.63	49.53	NM	NA	3378.10
MW009	09/09/2003	3427.63	49.66	NM	NA	3377.97
MW009	12/03/2003	3427.63	49.66	NM	NA	3377.97
MW009	03/30/2004	3427.63	49.88	NM	NA	3377.75
MW009	06/07/2004	3427.63	49.77	NM	NA	3377.86
MW009	09/17/2004	3427.63	49.60	NM	NA	3378.03
MW009	11/30/2004	3427.63	49.00	NM	NA	3378.63
MW009	03/31/2005	3427.63	48.61	NM	NA	3379.02
MW009	05/23/2005	3427.63	48.47	NM	NA	3379.16
MW009	01/17/2006	3427.63	47.90	NM	NA	3379.73
MW009	06/19/2006	3427.63	47.75	NM	NA	3379.88
MW009	03/18/2008	3427.63	47.49	NM	NA	3380.14
MW009	03/11/2009	3427.63	47.91	NM	NA	3379.72
MW009	03/01/2010	3427.63	48.16	NM	NA	3379.47
MW009	08/02/2010	3427.63	48.06	NM	NA	3379.57
MW009	05/06/2011	3427.63	48.02	NM	NA	3379.61
MW009	11/01/2011	3427.63	48.24	NM	NA	3379.39
MW009	05/03/2012	3427.63	48.35	NM	NA	3379.28
MW009	10/23/2012	3427.63	48.60	NM	NA	3379.03
MW009	05/01/2013	3427.63	48.81	NM	NA	3378.82

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Location ID	Date	Top of Casing (feet amsl)	Depth To Groundwater (feet)	Depth to LNAPL (feet btoc)	LNAPL Thickness (feet)	Groundwater Elevation (feet amsl)
MW009	10/29/2013	3427.63	48.95	NM	NA	3378.68
MW009	05/05/2014	3427.63	49.03	NM	NA	3378.60
MW009	11/03/2014	3427.63	48.50	NM	NA	3379.13
MW009	05/05/2015	3427.63	48.21	NM	NA	3379.42
MW009	11/02/2015	3427.63	48.21	NM	NA	3379.42
MW009	05/12/2016	3427.63	47.99	NM	NA	3379.64
MW009	09/14/2016	3427.63	47.92	NM	NA	3379.71
MW009	05/02/2017	3427.63	47.37	NM	NA	3380.26
MW009A	12/18/1997	3427.48	49.03	NM	NA	3378.45
MW009A	11/16/1999	3427.48	50.22	NM	NA	3377.26
MW009A	05/15/2001	3427.48	49.42	NM	NA	3378.06
MW009A	08/23/2001	3427.48	49.64	NM	NA	3377.84
MW009A	01/21/2002	3427.48	49.68	NM	NA	3377.80
MW009A	04/04/2002	3427.48	49.78	NM	NA	3377.70
MW009A	09/03/2002	3427.48	49.55	NM	NA	3377.93
MW009A	12/02/2002	3427.48	49.40	NM	NA	3378.08
MW009A	01/31/2003	3427.48	49.45	NM	NA	3378.03
MW009A	03/28/2003	3427.48	49.44	NM	NA	3378.04
MW009A	05/19/2003	3427.48	49.43	NM	NA	3378.05
MW009A	09/09/2003	3427.48	49.52	NM	NA	3377.96
MW009A	12/03/2003	3427.48	49.63	NM	NA	3377.85
MW009A	03/30/2004	3427.48	49.73	NM	NA	3377.75
MW009A	06/07/2004	3427.48	49.65	NM	NA	3377.83
MW009A	09/17/2004	3427.48	49.48	NM	NA	3378.00
MW009A	11/30/2004	3427.48	48.91	NM	NA	3378.57
MW009A	03/31/2005	3427.48	48.42	NM	NA	3379.06
MW009A	05/23/2005	3427.48	48.33	NM	NA	3379.15
MW009A	01/17/2006	3427.48	47.73	NM	NA	3379.75
MW009A	06/19/2006	3427.48	47.52	NM	NA	3379.96
MW009A	04/04/2007	3427.48	47.31	NM	NA	3380.17
MW009A	03/19/2008	3427.48	47.29	NM	NA	3380.19
MW009A	03/11/2009	3427.48	47.73	NM	NA	3379.75
MW009A	03/01/2010	3427.48	47.96	NM	NA	3379.52
MW009A	08/02/2010	3427.48	47.97	NM	NA	3379.51
MW009A	05/06/2011	3427.48	47.81	NM	NA	3379.67
MW009A	11/04/2011	3427.48	48.02	NM	NA	3379.46
MW009A	05/03/2012	3427.48	48.16	NM	NA	3379.32
MW009A	10/23/2012	3427.48	48.40	NM	NA	3379.08
MW009A	05/01/2013	3427.48	48.58	NM	NA	3378.90
MW009A	10/29/2013	3427.48	48.76	NM	NA	3378.72
MW009A	05/05/2014	3427.48	48.81	NM	NA	3378.67
MW009A	11/03/2014	3427.48	48.31	NM	NA	3379.17
MW009A	05/05/2015	3427.48	48.00	NM	NA	3379.48
MW009A	11/02/2015	3427.48	48.01	NM	NA	3379.47
MW009A	05/12/2016	3427.48	47.85	NM	NA	3379.63
MW009A	09/14/2016	3427.48	47.80	NM	NA	3379.68
MW009A	05/02/2017	3427.48	47.14	NM	NA	3380.34
MW010	12/18/1997	3419.42	43.22	NM	NA	3376.20
MW010	11/16/1999	3419.42	41.27	NM	NA	3378.15
MW010	05/15/2001	3419.42	40.37	NM	NA	3379.05
MW010	08/23/2001	3419.42	40.61	NM	NA	3378.81
MW010	01/21/2002	3419.42	40.71	NM	NA	3378.71
MW010	04/04/2002	3419.42	40.85	NM	NA	3378.57
MW010	09/03/2002	3419.42	40.65	NM	NA	3378.77
MW010	12/02/2002	3419.42	40.50	NM	NA	3378.92
MW010	01/30/2003	3419.42	40.51	NM	NA	3378.91
MW010	03/28/2003	3419.42	40.46	NM	NA	3378.96
MW010	05/19/2003	3419.42	40.52	NM	NA	3378.90
MW010	09/09/2003	3419.42	40.52	NM	NA	3378.90
MW010	12/07/2003	3419.42	40.59	NM	NA	3378.83
MW010	03/30/2004	3419.42	40.81	NM	NA	3378.61
MW010	06/07/2004	3419.42	40.74	NM	NA	3378.68
MW010	09/17/2004	3419.42	40.50	NM	NA	3378.92
MW010	11/30/2004	3419.42	40.11	NM	NA	3379.31
MW010	03/31/2005	3419.42	39.63	NM	NA	3379.79
MW010	05/23/2005	3419.42	39.42	NM	NA	3380.00
MW010	01/16/2006	3419.42	39.15	NM	NA	3380.27
MW010	06/16/2006	3419.42	38.97	NM	NA	3380.45
MW010	04/11/2007	3419.42	38.57	NM	NA	3380.85
MW010	03/19/2008	3419.42	39.14	NM	NA	3380.28

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Location ID	Date	Top of Casing (feet amsl)	Depth To Groundwater (feet)	Depth to LNAPL (feet btoc)	LNAPL Thickness (feet)	Groundwater Elevation (feet amsl)
MW010	08/04/2008	3419.42	38.94	NM	NA	3380.48
MW010	03/11/2009	3419.42	39.16	NM	NA	3380.26
MW010	07/29/2009	3419.42	39.31	NM	NA	3380.11
MW010	03/01/2010	3419.42	39.40	NM	NA	3380.02
MW010	08/02/2010	3419.42	39.36	NM	NA	3380.06
MW010	05/03/2011	3419.42	93.36	NM	NA	3326.06
MW010	11/01/2011	3419.42	49.50	NM	NA	3369.92
MW010	05/01/2012	3419.42	39.51	NM	NA	3379.91
MW010	10/24/2012	3419.42	39.77	NM	NA	3379.65
MW010	05/01/2013	3419.42	39.91	NM	NA	3379.51
MW010	10/28/2013	3419.42	40.06	NM	NA	3379.36
MW010	05/05/2014	3419.42	40.15	NM	NA	3379.27
MW010	11/03/2014	3419.42	39.62	NM	NA	3379.80
MW010	05/06/2015	3419.42	39.40	NM	NA	3380.02
MW010	11/02/2015	3419.42	39.40	NM	NA	3380.02
MW010	05/10/2016	3419.42	39.14	NM	NA	3380.28
MW010	09/22/2016	3419.42	39.10	NM	NA	3380.32
MW010	05/02/2017	3419.42	38.44	NM	NA	3380.98
MW010	09/18/2017	3419.42	38.34	NM	NA	3381.08
MW010	03/20/2018	3419.42	38.00	NM	NA	3381.42
MW010	09/13/2018	3419.42	38.72	NM	NA	3380.70
MW010	04/10/2019	3419.42	37.99	NM	NA	3381.43
MW010	10/07/2019	3419.42	38.3	NM	NA	3381.12
MW010	03/09/2020	3419.42	25.34	NM	NA	3394.08
MW010	03/10/2021	3419.42	38.06	NM	NA	3381.36
MW010	10/11/2021	3419.42	38.11	NM	NA	3381.31
MW011	11/16/1999	3431.49	53.58	NM	NA	3377.91
MW011	05/15/2001	3431.49	52.78	NM	NA	3378.71
MW011	08/23/2001	3431.49	52.96	NM	NA	3378.53
MW011	01/21/2002	3431.49	52.84	NM	NA	3378.65
MW011	04/04/2002	3431.49	52.89	NM	NA	3378.60
MW011	09/03/2002	3431.49	52.80	NM	NA	3378.69
MW011	12/02/2002	3431.49	52.56	NM	NA	3378.93
MW011	01/30/2003	3431.49	52.51	NM	NA	3378.98
MW011	03/28/2003	3431.49	52.63	NM	NA	3378.86
MW011	05/19/2003	3431.49	52.58	NM	NA	3378.91
MW011	09/09/2003	3431.49	52.60	NM	NA	3378.89
MW011	12/03/2003	3431.49	52.52	NM	NA	3378.97
MW011	03/30/2004	3431.49	52.56	NM	NA	3378.93
MW011	06/07/2004	3431.49	52.61	NM	NA	3378.88
MW011	11/30/2004	3431.49	52.16	NM	NA	3379.33
MW011	03/31/2005	3431.49	52.82	NM	NA	3378.67
MW011	05/23/2005	3431.49	51.58	NM	NA	3379.91
MW011	01/16/2006	3431.49	51.16	NM	NA	3380.33
MW011	06/19/2006	3431.49	50.92	NM	NA	3380.57
MW011	03/29/2007	3431.49	50.57	NM	NA	3380.92
MW011	03/24/2008	3431.49	50.30	NM	NA	3381.19
MW011	03/11/2009	3431.49	50.53	NM	NA	3380.96
MW011	03/01/2010	3431.49	50.76	NM	NA	3380.73
MW011	08/03/2010	3431.49	50.81	NM	NA	3380.68
MW011	05/06/2011	3431.49	50.60	NM	NA	3380.89
MW011	11/02/2011	3431.49	50.71	NM	NA	3380.78
MW011	05/03/2012	3431.49	50.80	NM	NA	3380.69
MW011	10/23/2012	3431.49	50.91	NM	NA	3380.58
MW011	05/02/2013	3431.49	51.12	NM	NA	3380.37
MW011	10/29/2013	3431.49	51.13	NM	NA	3380.36
MW011	05/05/2014	3431.49	51.25	NM	NA	3380.24
MW011	11/03/2014	3431.49	50.75	NM	NA	3380.74
MW011	05/06/2015	3431.49	50.76	NM	NA	3380.73
MW011	09/16/2015	3431.49	50.80	NM	NA	3380.69
MW011	11/02/2015	3431.49	50.70	NM	NA	3380.79
MW011	05/12/2016	3431.49	50.71	NM	NA	3380.78
MW011	05/03/2017	3431.49	50.16	NM	NA	3381.33
MW011A	12/18/1997	3431.77	51.49	NM	NA	3380.28
MW011A	11/16/1999	3431.77	53.49	NM	NA	3378.28
MW011A	05/15/2001	3431.77	53.07	NM	NA	3378.70
MW011A	08/23/2001	3431.77	53.20	NM	NA	3378.57
MW011A	01/21/2002	3431.77	53.04	NM	NA	3378.73
MW011A	04/04/2002	3431.77	53.13	NM	NA	3378.64
MW011A	09/03/2002	3431.77	53.01	NM	NA	3378.76

Appendix C
Historical Groundwater Elevations
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Former Eunice North 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)	Depth to LNAPL (feet btoc)	LNAPL Thickness (feet)	Groundwater Elevation (feet amsl)
MW011A	12/02/2002	3431.77	52.76	NM	NA	3379.01
MW011A	01/30/2003	3431.77	52.72	NM	NA	3379.05
MW011A	03/28/2003	3431.77	52.85	NM	NA	3378.92
MW011A	05/19/2003	3431.77	52.78	NM	NA	3378.99
MW011A	09/09/2003	3431.77	52.82	NM	NA	3378.95
MW011A	12/03/2003	3431.77	52.83	NM	NA	3378.94
MW011A	03/30/2004	3431.77	53.04	NM	NA	3378.73
MW011A	06/07/2004	3431.77	53.03	NM	NA	3378.74
MW011A	11/30/2004	3431.77	53.03	NM	NA	3378.74
MW011A	03/31/2005	3431.77	52.18	NM	NA	3379.59
MW011A	05/23/2005	3431.77	51.94	NM	NA	3379.83
MW011A	01/16/2006	3431.77	51.45	NM	NA	3380.32
MW011A	06/19/2006	3431.77	51.25	NM	NA	3380.52
MW011A	03/29/2007	3431.77	50.88	NM	NA	3380.89
MW011A	03/24/2008	3431.77	50.69	NM	NA	3381.08
MW011A	03/11/2009	3431.77	50.94	NM	NA	3380.83
MW011A	03/01/2010	3431.77	51.17	NM	NA	3380.60
MW011A	08/03/2010	3431.77	51.21	NM	NA	3380.56
MW011A	05/06/2011	3431.77	51.02	NM	NA	3380.75
MW011A	11/04/2011	3431.77	51.30	NM	NA	3380.47
MW011A	05/03/2012	3431.77	51.21	NM	NA	3380.56
MW011A	10/23/2012	3431.77	51.36	NM	NA	3380.41
MW011A	05/01/2013	3431.77	51.60	NM	NA	3380.17
MW011A	10/29/2013	3431.77	51.56	NM	NA	3380.21
MW011A	05/05/2014	3431.77	51.65	NM	NA	3380.12
MW011A	11/03/2014	3431.77	51.41	NM	NA	3380.36
MW011A	05/06/2015	3431.77	51.22	NM	NA	3380.55
MW011A	09/16/2015	3431.77	50.93	NM	NA	3380.84
MW011A	11/02/2015	3431.77	51.06	NM	NA	3380.71
MW011A	05/12/2016	3431.77	51.09	NM	NA	3380.68
MW011A	05/03/2017	3431.77	50.51	NM	NA	3381.26
MW011A	09/18/2017	3431.77	50.38	NM	NA	3381.39
MW011A	03/20/2018	3431.77	50.25	NM	NA	3381.52
MW011A	09/10/2018	3431.77	50.21	NM	NA	3381.56
MW011A	04/10/2019	3431.77	49.91	NM	NA	3381.86
MW011A	10/07/2019	3431.77	50.11	NM	NA	3381.66
MW011A	03/09/2020	3431.77	50.15	NM	NA	3381.62
MW011A	09/23/2020	3431.77	49.98	NM	NA	3381.79
MW011A	03/12/2021	3431.77	49.99	NM	NA	3381.78
MW011A	10/12/2021	3431.77	50.02	NM	NA	3381.75
MW011M	01/21/2002	3431.21	52.68	NM	NA	3378.53
MW011M	04/04/2002	3431.21	52.63	NM	NA	3378.58
MW011M	09/03/2002	3431.21	52.54	NM	NA	3378.67
MW011M	12/02/2002	3431.21	52.32	NM	NA	3378.89
MW011M	01/30/2003	3431.21	52.25	NM	NA	3378.96
MW011M	03/28/2003	3431.21	52.32	NM	NA	3378.89
MW011M	05/19/2003	3431.21	52.31	NM	NA	3378.90
MW011M	09/09/2003	3431.21	52.30	NM	NA	3378.91
MW011M	12/03/2003	3431.21	52.25	NM	NA	3378.96
MW011M	03/30/2004	3431.21	52.31	NM	NA	3378.90
MW011M	06/07/2004	3431.21	52.34	NM	NA	3378.87
MW011M	11/30/2004	3431.21	51.91	NM	NA	3379.30
MW011M	03/31/2005	3431.21	52.62	NM	NA	3378.59
MW011M	05/23/2005	3431.21	51.38	NM	NA	3379.83
MW011M	01/16/2006	3431.21	50.90	NM	NA	3380.31
MW011M	06/19/2006	3431.21	50.65	NM	NA	3380.56
MW011M	03/29/2007	3431.21	50.15	NM	NA	3381.06
MW011M	03/24/2008	3431.21	49.97	NM	NA	3381.24
MW011M	03/11/2009	3431.21	50.21	NM	NA	3381.00
MW011M	03/01/2010	3431.21	50.59	NM	NA	3380.62
MW011M	08/03/2010	3431.21	50.56	NM	NA	3380.65
MW011M	05/06/2011	3431.21	50.33	NM	NA	3380.88
MW011M	11/01/2011	3431.21	50.47	NM	NA	3380.74
MW011M	05/03/2012	3431.21	50.54	NM	NA	3380.67
MW011M	10/23/2012	3431.21	50.68	NM	NA	3380.53
MW011M	05/02/2013	3431.21	50.88	NM	NA	3380.33
MW011M	10/29/2013	3431.21	50.87	NM	NA	3380.34
MW011M	05/05/2014	3431.21	50.98	NM	NA	3380.23
MW011M	05/06/2015	3431.21	50.56	NM	NA	3380.65
MW011M	09/16/2015	3431.21	48.25	NM	NA	3382.96

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ARCADIS Design & Consultancy for natural and built assets

Location ID	Date	Top of Casing (feet amsl)	Depth To Groundwater (feet)	Depth to LNAPL (feet btoc)	LNAPL Thickness (feet)	Groundwater Elevation (feet amsl)
MW011M	11/02/2015	3431.21	50.45	NM	NA	3380.76
MW011M	05/12/2016	3431.21	48.34	NM	NA	3382.87
MW011M	05/03/2017	3431.21	47.81	NM	NA	3383.40
MW012	11/16/1999	3429.51	51.12	NM	NA	3378.39
MW012	05/15/2001	3429.51	50.50	NM	NA	3379.01
MW012	08/23/2001	3429.51	50.50	NM	NA	3379.01
MW012	01/21/2002	3429.51	50.48	NM	NA	3379.03
MW012	04/05/2002	3429.51	50.49	NM	NA	3379.02
MW012	09/03/2002	3429.51	50.40	NM	NA	3379.11
MW012	12/02/2002	3429.51	50.25	NM	NA	3379.26
MW012	01/30/2003	3429.51	50.13	NM	NA	3379.38
MW012	03/28/2003	3429.51	50.25	NM	NA	3379.26
MW012	05/19/2003	3429.51	50.15	NM	NA	3379.36
MW012	09/09/2003	3429.51	50.11	NM	NA	3379.40
MW012	12/03/2003	3429.51	50.05	NM	NA	3379.46
MW012	03/30/2004	3429.51	50.18	NM	NA	3379.33
MW012	06/07/2004	3429.51	50.13	NM	NA	3379.38
MW012	11/30/2004	3429.51	49.66	NM	NA	3379.85
MW012	03/31/2005	3429.51	49.58	NM	NA	3379.93
MW012	05/23/2005	3429.51	49.23	NM	NA	3380.28
MW012	01/16/2006	3429.51	48.88	NM	NA	3380.63
MW012	06/19/2006	3429.51	48.65	NM	NA	3380.86
MW012	04/02/2007	3429.51	48.21	NM	NA	3381.30
MW012	03/21/2008	3429.51	47.70	NM	NA	3381.81
MW012	03/11/2009	3429.51	48.26	NM	NA	3381.25
MW012	03/01/2010	3429.51	48.56	NM	NA	3380.95
MW012	08/03/2010	3429.51	48.62	NM	NA	3380.89
MW012	05/06/2011	3429.51	48.87	NM	NA	3380.64
MW012	11/02/2011	3429.51	48.47	NM	NA	3381.04
MW012	05/03/2012	3429.51	48.57	NM	NA	3380.94
MW012	10/24/2012	3429.51	48.65	NM	NA	3380.86
MW012	05/01/2013	3429.51	48.81	NM	NA	3380.70
MW012	10/29/2013	3429.51	48.89	NM	NA	3380.62
MW012	05/05/2014	3429.51	48.96	NM	NA	3380.55
MW012	11/03/2014	3429.51	48.81	NM	NA	3380.70
MW012	05/06/2015	3429.51	48.56	NM	NA	3380.95
MW012	09/16/2015	3429.51	48.36	NM	NA	3381.15
MW012	11/02/2015	3429.51	48.48	NM	NA	3381.03
MW012	05/09/2016	3429.51	48.31	NM	NA	3381.20
MW012	05/02/2017	3429.51	47.88	NM	NA	3381.63
MW012A	12/18/1997	3429.92	49.73	NM	NA	3380.19
MW012A	11/16/1999	3429.92	51.50	NM	NA	3378.42
MW012A	05/15/2001	3429.92	50.83	NM	NA	3379.09
MW012A	08/23/2001	3429.92	50.89	NM	NA	3379.03
MW012A	01/21/2002	3429.92	50.84	NM	NA	3379.08
MW012A	04/05/2002	3429.92	50.90	NM	NA	3379.02
MW012A	09/03/2002	3429.92	50.80	NM	NA	3379.12
MW012A	12/02/2002	3429.92	50.65	NM	NA	3379.27
MW012A	01/30/2003	3429.92	50.55	NM	NA	3379.37
MW012A	03/28/2003	3429.92	50.66	NM	NA	3379.26
MW012A	05/19/2003	3429.92	50.63	NM	NA	3379.29
MW012A	09/09/2003	3429.92	50.52	NM	NA	3379.40
MW012A	12/03/2003	3429.92	50.51	NM	NA	3379.41
MW012A	03/30/2004	3429.92	50.67	NM	NA	3379.25
MW012A	06/07/2004	3429.92	50.52	NM	NA	3379.40
MW012A	11/30/2004	3429.92	50.28	NM	NA	3379.64
MW012A	03/31/2005	3429.92	49.97	NM	NA	3379.95
MW012A	05/23/2005	3429.92	49.77	NM	NA	3380.15
MW012A	01/16/2006	3429.92	49.13	NM	NA	3380.79
MW012A	06/19/2006	3429.92	49.00	NM	NA	3380.92
MW012A	04/02/2007	3429.92	48.35	NM	NA	3381.57
MW012A	03/21/2008	3429.92	48.37	NM	NA	3381.55
MW012A	03/11/2009	3429.92	48.65	NM	NA	3381.27
MW012A	03/01/2010	3429.92	48.93	NM	NA	3380.99
MW012A	08/03/2010	3429.92	48.99	NM	NA	3380.93
MW012A	05/06/2011	3429.92	48.87	NM	NA	3381.05
MW012A	11/04/2011	3429.92	48.81	NM	NA	3381.11
MW012A	05/03/2012	3429.92	49.00	NM	NA	3380.92
MW012A	05/01/2013	3429.92	49.22	NM	NA	3380.70
MW012A	10/29/2013	3429.92	49.31	NM	NA	3380.61

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ARCADIS Design & Consultancy for natural and built assets

Location ID	Date	Top of Casing (feet amsl)	Depth To Groundwater (feet)	Depth to LNAPL (feet btoc)	LNAPL Thickness (feet)	Groundwater Elevation (feet amsl)
MW012A	05/05/2014	3429.92	49.39	NM	NA	3380.53
MW012A	11/03/2014	3429.92	49.22	NM	NA	3380.70
MW012A	05/06/2015	3429.92	48.95	NM	NA	3380.97
MW012A	09/16/2015	3429.92	48.71	NM	NA	3381.21
MW012A	11/02/2015	3429.92	48.84	NM	NA	3381.08
MW012A	05/09/2016	3429.92	48.70	NM	NA	3381.22
MW012A	05/02/2017	3429.92	48.26	NM	NA	3381.66
MW012M	01/21/2002	3430.06	50.95	NM	NA	3379.11
MW012M	04/05/2002	3430.06	51.37	NM	NA	3378.69
MW012M	09/03/2002	3430.06	50.89	NM	NA	3379.17
MW012M	12/02/2002	3430.06	50.75	NM	NA	3379.31
MW012M	01/30/2003	3430.06	50.65	NM	NA	3379.41
MW012M	03/28/2003	3430.06	50.76	NM	NA	3379.30
MW012M	05/19/2003	3430.06	50.71	NM	NA	3379.35
MW012M	09/09/2003	3430.06	50.63	NM	NA	3379.43
MW012M	12/03/2003	3430.06	50.63	NM	NA	3379.43
MW012M	03/30/2004	3430.06	50.70	NM	NA	3379.36
MW012M	06/07/2004	3430.06	50.32	NM	NA	3379.74
MW012M	11/30/2004	3430.06	50.30	NM	NA	3379.76
MW012M	03/31/2005	3430.06	50.19	NM	NA	3379.87
MW012M	05/23/2005	3430.06	49.64	NM	NA	3380.42
MW012M	01/16/2006	3430.06	49.50	NM	NA	3380.56
MW012M	06/19/2006	3430.06	48.41	NM	NA	3381.65
MW012M	04/05/2007	3430.06	49.10	NM	NA	3380.96
MW012M	03/21/2008	3430.06	48.79	NM	NA	3381.27
MW012M	03/11/2009	3430.06	48.90	NM	NA	3381.16
MW012M	03/01/2010	3430.06	49.62	NM	NA	3380.44
MW012M	08/03/2010	3430.06	49.26	NM	NA	3380.80
MW012M	05/04/2011	3430.06	49.11	NM	NA	3380.95
MW012M	11/02/2011	3430.06	49.06	NM	NA	3381.00
MW012M	05/03/2012	3430.06	49.18	NM	NA	3380.88
MW012M	10/24/2012	3430.06	49.28	NM	NA	3380.78
MW012M	05/01/2013	3430.06	49.46	NM	NA	3380.60
MW012M	10/29/2013	3430.06	49.46	NM	NA	3380.60
MW012M	05/05/2014	3430.06	49.60	NM	NA	3380.46
MW012M	11/03/2014	3430.06	49.44	NM	NA	3380.62
MW012M	05/06/2015	3430.06	49.16	NM	NA	3380.90
MW012M	09/16/2015	3430.06	48.94	NM	NA	3381.12
MW012M	11/02/2015	3430.06	49.05	NM	NA	3381.01
MW012M	05/09/2016	3430.06	48.87	NM	NA	3381.19
MW012M	05/02/2017	3430.06	48.15	NM	NA	3381.91
MW012M	03/20/2018	3430.06	48.17	NM	NA	3381.89
MW012M	04/10/2019	3430.06	47.92	NM	NA	3382.14
MW012M	03/09/2020	3430.06	49.15	NM	NA	3380.91
MW012M	03/08/2021	3430.06	47.99	NM	NA	3382.07
MW012M	10/11/2021	3430.06	47.95	NM	NA	3382.11
MW013	12/18/1997	3424.11	46.98	NM	NA	3377.13
MW013	11/16/1999	3424.11	44.81	NM	NA	3379.30
MW013	05/15/2001	3424.11	45.05	NM	NA	3379.06
MW013	08/23/2001	3424.11	45.11	NM	NA	3379.00
MW013	01/21/2002	3424.11	45.14	NM	NA	3378.97
MW013	04/05/2002	3424.11	45.22	NM	NA	3378.89
MW013	09/03/2002	3424.11	45.11	NM	NA	3379.00
MW013	12/02/2002	3424.11	44.91	NM	NA	3379.20
MW013	01/30/2003	3424.11	44.84	NM	NA	3379.27
MW013	03/28/2003	3424.11	45.91	NM	NA	3378.20
MW013	05/19/2003	3424.11	44.90	NM	NA	3379.21
MW013	09/09/2003	3424.11	44.89	NM	NA	3379.22
MW013	12/02/2003	3424.11	44.75	NM	NA	3379.36
MW013	03/30/2004	3424.11	44.94	NM	NA	3379.17
MW013	06/07/2004	3424.11	44.98	NM	NA	3379.13
MW013	09/17/2004	3424.11	44.82	NM	NA	3379.29
MW013	11/30/2004	3424.11	44.53	NM	NA	3379.58
MW013	03/31/2005	3424.11	44.05	NM	NA	3380.06
MW013	05/23/2005	3424.11	43.85	NM	NA	3380.26
MW013	01/16/2006	3424.11	43.47	NM	NA	3380.64
MW013	06/16/2006	3424.11	43.21	NM	NA	3380.90
MW013	04/18/2007	3424.11	42.83	NM	NA	3381.28
MW013	09/19/2007	3424.11	42.63	NM	NA	3381.48
MW013	03/18/2008	3424.11	42.65	NM	NA	3381.46

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Location ID	Date	Top of Casing (feet amsl)	Depth To Groundwater (feet)	Depth to LNAPL (feet btoc)	LNAPL Thickness (feet)	Groundwater Elevation (feet amsl)
MW013	08/04/2008	3424.11	42.96	NM	NA	3381.15
MW013	03/11/2009	3424.11	43.19	NM	NA	3380.92
MW013	07/29/2009	3424.11	43.30	NM	NA	3380.81
MW013	03/01/2010	3424.11	43.41	NM	NA	3380.70
MW013	08/02/2010	3424.11	40.42	NM	NA	3383.69
MW013	05/04/2011	3424.11	43.30	NM	NA	3380.81
MW013	11/01/2011	3423.11	43.30	NM	NA	3379.81
MW013	05/01/2012	3423.11	43.40	NM	NA	3379.71
MW013	10/24/2012	3423.11	43.61	NM	NA	3379.50
MW013	05/01/2013	3423.11	43.76	NM	NA	3379.35
MW013	10/29/2013	3423.11	43.90	NM	NA	3379.21
MW013	05/05/2014	3423.11	43.93	NM	NA	3379.18
MW013	11/03/2014	3423.11	43.65	NM	NA	3379.46
MW013	05/06/2015	3423.11	43.38	NM	NA	3379.73
MW013	11/02/2015	3423.11	43.28	NM	NA	3379.83
MW013	05/10/2016	3423.11	43.19	NM	NA	3379.92
MW013	09/22/2016	3423.11	43.07	NM	NA	3380.04
MW013	05/02/2017	3423.11	42.52	NM	NA	3380.59
MW013	09/18/2017	3423.11	42.46	NM	NA	3380.65
MW013	03/20/2018	3423.11	42.23	NM	NA	3380.88
MW013	09/13/2018	3423.11	42.13	NM	NA	3380.98
MW013	04/10/2019	3423.11	42.11	NM	NA	3381.00
MW013	10/08/2019	3423.11	42.27	NM	NA	3380.84
MW013	03/09/2020	3423.11	42.36	NM	NA	3380.75
MW013	09/23/2020	3423.11	42.11	NM	NA	3381.00
MW013	03/10/2021	3423.11	42.21	NM	NA	3380.90
MW013	10/11/2021	3423.11	42.18	NM	NA	3380.93
MW013A	12/18/1997	3424.25	46.84	NM	NA	3377.41
MW013A	11/16/1999	3424.25	45.79	NM	NA	3378.46
MW013A	05/15/2001	3424.25	45.06	NM	NA	3379.19
MW013A	08/23/2001	3424.25	45.22	NM	NA	3379.03
MW013A	01/21/2002	3424.25	45.17	NM	NA	3379.08
MW013A	04/05/2002	3424.25	45.23	NM	NA	3379.02
MW013A	09/03/2002	3424.25	45.15	NM	NA	3379.10
MW013A	12/02/2002	3424.25	44.94	NM	NA	3379.31
MW013A	01/30/2003	3424.25	44.80	NM	NA	3379.45
MW013A	03/28/2003	3424.25	44.96	NM	NA	3379.29
MW013A	05/19/2003	3424.25	44.91	NM	NA	3379.34
MW013A	09/09/2003	3424.25	44.89	NM	NA	3379.36
MW013A	12/02/2003	3424.25	44.78	NM	NA	3379.47
MW013A	03/30/2004	3424.25	45.01	NM	NA	3379.24
MW013A	06/07/2004	3424.25	44.96	NM	NA	3379.29
MW013A	09/17/2004	3424.25	44.80	NM	NA	3379.45
MW013A	11/30/2004	3424.25	44.56	NM	NA	3379.69
MW013A	03/31/2005	3424.25	44.06	NM	NA	3380.19
MW013A	05/23/2005	3424.25	43.82	NM	NA	3380.43
MW013A	01/16/2006	3424.25	43.42	NM	NA	3380.83
MW013A	06/16/2006	3424.25	43.19	NM	NA	3381.06
MW013A	04/16/2007	3424.25	42.81	NM	NA	3381.44
MW013A	09/20/2007	3424.25	42.62	NM	NA	3381.63
MW013A	03/19/2008	3424.25	42.68	NM	NA	3381.57
MW013A	08/04/2008	3424.25	42.44	NM	NA	3381.81
MW013A	03/10/2009	3424.25	43.05	NM	NA	3381.20
MW013A	07/29/2009	3424.25	43.30	NM	NA	3380.95
MW013A	03/01/2010	3424.25	43.39	NM	NA	3380.86
MW013A	08/02/2010	3424.25	43.40	NM	NA	3380.85
MW013A	05/03/2011	3424.25	33.28	NM	NA	3390.97
MW013A	11/02/2011	3424.25	43.29	NM	NA	3380.96
MW013A	05/01/2012	3424.25	43.36	NM	NA	3380.89
MW013A	10/24/2012	3424.25	43.60	NM	NA	3380.65
MW013A	05/01/2013	3424.25	43.75	NM	NA	3380.50
MW013A	10/29/2013	3424.25	43.89	NM	NA	3380.36
MW013A	05/05/2014	3424.25	43.91	NM	NA	3380.34
MW013A	11/03/2014	3424.25	43.60	NM	NA	3380.65
MW013A	05/06/2015	3424.25	43.32	NM	NA	3380.93
MW013A	11/03/2015	3424.25	43.24	NM	NA	3381.01
MW013A	05/10/2016	3424.25	43.14	NM	NA	3381.11
MW013A	09/22/2016	3424.25	43.06	NM	NA	3381.19
MW013A	05/02/2017	3424.25	42.50	NM	NA	3381.75
MW014	11/16/1999	3424.05	45.22	NM	NA	3378.83

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Location ID	Date	Top of Casing (feet amsl)	Depth To Groundwater (feet)	Depth to LNAPL (feet btoc)	LNAPL Thickness (feet)	Groundwater Elevation (feet amsl)
MW014	05/15/2001	3424.05	44.61	NM	NA	3379.44
MW014	08/23/2001	3424.05	44.48	NM	NA	3379.57
MW014	01/21/2002	3424.05	44.49	NM	NA	3379.56
MW014	04/05/2002	3424.05	44.60	NM	NA	3379.45
MW014	09/03/2002	3424.05	44.25	NM	NA	3379.80
MW014	12/02/2002	3424.05	44.24	NM	NA	3379.81
MW014	01/30/2003	3424.05	44.19	NM	NA	3379.86
MW014	03/28/2003	3424.05	44.31	NM	NA	3379.74
MW014	05/19/2003	3424.05	44.25	NM	NA	3379.80
MW014	09/09/2003	3424.05	44.18	NM	NA	3379.87
MW014	12/02/2003	3424.05	44.03	NM	NA	3380.02
MW014	03/30/2004	3424.05	44.25	NM	NA	3379.80
MW014	06/07/2004	3424.05	44.18	NM	NA	3379.87
MW014	09/14/2004	3424.05	44.16	NM	NA	3379.89
MW014	11/30/2004	3424.05	43.98	NM	NA	3380.07
MW014	03/31/2005	3424.05	43.57	NM	NA	3380.48
MW014	05/23/2005	3424.05	40.76	NM	NA	3383.29
MW014	01/17/2006	3424.05	42.89	NM	NA	3381.16
MW014	06/16/2006	3424.05	42.78	NM	NA	3381.27
MW014	03/26/2007	3424.05	42.37	NM	NA	3381.68
MW014	09/19/2007	3424.05	42.14	NM	NA	3381.91
MW014	03/19/2008	3424.05	42.22	NM	NA	3381.83
MW014	03/11/2009	3424.05	42.69	NM	NA	3381.36
MW014	07/29/2009	3424.05	42.83	NM	NA	3381.22
MW014	03/01/2010	3424.05	42.97	NM	NA	3381.08
MW014	08/02/2010	3424.05	47.98	NM	NA	3376.07
MW014	05/03/2011	3424.05	42.56	NM	NA	3381.49
MW014	11/01/2011	3424.08	42.89	NM	NA	3381.19
MW014	05/01/2012	3424.08	42.91	NM	NA	3381.17
MW014	10/24/2012	3424.08	43.12	NM	NA	3380.96
MW014	04/30/2013	3424.08	43.20	NM	NA	3380.88
MW014	10/29/2013	3424.08	43.34	NM	NA	3380.74
MW014	05/05/2014	3424.08	43.40	NM	NA	3380.68
MW014	11/03/2014	3424.08	43.20	NM	NA	3380.88
MW014	05/06/2015	3424.08	43.05	NM	NA	3381.03
MW014	11/02/2015	3424.08	42.85	NM	NA	3381.23
MW014A	12/18/1997	3423.93	45.93	NM	NA	3378.00
MW014A	11/16/1999	3423.93	44.89	NM	NA	3379.04
MW014A	05/15/2001	3423.93	44.40	NM	NA	3379.53
MW014A	08/23/2001	3423.93	44.27	NM	NA	3379.66
MW014A	01/21/2002	3423.93	44.25	NM	NA	3379.68
MW014A	04/05/2002	3423.93	44.37	NM	NA	3379.56
MW014A	09/03/2002	3423.93	44.20	NM	NA	3379.73
MW014A	12/02/2002	3423.93	43.99	NM	NA	3379.94
MW014A	01/30/2003	3423.93	43.95	NM	NA	3379.98
MW014A	03/28/2003	3423.93	44.16	NM	NA	3379.77
MW014A	05/19/2003	3423.93	44.01	NM	NA	3379.92
MW014A	09/09/2003	3423.93	43.93	NM	NA	3380.00
MW014A	12/02/2003	3423.93	43.96	NM	NA	3379.97
MW014A	03/30/2004	3423.93	44.05	NM	NA	3379.88
MW014A	06/07/2004	3423.93	43.98	NM	NA	3379.95
MW014A	09/16/2004	3423.93	43.89	NM	NA	3380.04
MW014A	11/30/2004	3423.93	43.71	NM	NA	3380.22
MW014A	03/31/2005	3423.93	43.30	NM	NA	3380.63
MW014A	05/23/2005	3423.93	43.04	NM	NA	3380.89
MW014A	01/17/2006	3423.93	42.65	NM	NA	3381.28
MW014A	06/16/2006	3423.93	42.49	NM	NA	3381.44
MW014A	03/21/2007	3423.93	42.15	NM	NA	3381.78
MW014A	09/12/2007	3423.93	41.92	NM	NA	3382.01
MW014A	03/18/2008	3423.93	41.31	NM	NA	3382.62
MW014A	03/10/2009	3423.93	42.33	NM	NA	3381.60
MW014A	07/28/2009	3423.93	42.65	NM	NA	3381.28
MW014A	03/01/2010	3423.93	42.67	NM	NA	3381.26
MW014A	08/02/2010	3423.93	47.70	NM	NA	3376.23
MW014A	05/03/2011	3423.93	42.86	NM	NA	3381.07
MW014A	11/02/2011	3423.90	42.65	NM	NA	3381.25
MW014A	05/01/2012	3423.90	42.62	NM	NA	3381.28
MW014A	10/24/2012	3423.90	42.81	NM	NA	3381.09
MW014A	04/30/2013	3423.90	42.91	NM	NA	3380.99
MW014A	10/29/2013	3423.90	43.00	NM	NA	3380.90

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Location ID	Date	Top of Casing (feet amsl)	Depth To Groundwater (feet)	Depth to LNAPL (feet btoc)	LNAPL Thickness (feet)	Groundwater Elevation (feet amsl)
MW014A	05/05/2014	3423.90	43.12	NM	NA	3380.78
MW014A	11/03/2014	3423.90	42.93	NM	NA	3380.97
MW014A	05/06/2015	3423.90	42.66	NM	NA	3381.24
MW014A	11/03/2015	3423.90	42.54	NM	NA	3381.36
MW015	11/16/1999	3420.40	41.46	NM	NA	3378.94
MW015	05/15/2001	3420.40	40.85	NM	NA	3379.55
MW015	08/23/2001	3420.40	40.85	NM	NA	3379.55
MW015	01/21/2002	3420.40	40.81	NM	NA	3379.59
MW015	04/04/2002	3420.40	40.99	NM	NA	3379.41
MW015	09/03/2002	3420.40	40.75	NM	NA	3379.65
MW015	12/02/2002	3420.40	40.53	NM	NA	3379.87
MW015	01/30/2003	3420.40	40.51	NM	NA	3379.89
MW015	03/28/2003	3420.40	40.64	NM	NA	3379.76
MW015	05/19/2003	3420.40	40.56	NM	NA	3379.84
MW015	09/08/2003	3420.40	40.57	NM	NA	3379.83
MW015	12/02/2003	3420.40	40.51	NM	NA	3379.89
MW015	03/30/2004	3420.40	40.81	NM	NA	3379.59
MW015	06/07/2004	3420.40	40.60	NM	NA	3379.80
MW015	09/16/2004	3420.40	40.55	NM	NA	3379.85
MW015	11/30/2004	3420.40	40.22	NM	NA	3380.18
MW015	03/31/2005	3420.40	39.77	NM	NA	3380.63
MW015	05/23/2005	3420.40	39.58	NM	NA	3380.82
MW015	01/17/2006	3420.40	39.17	NM	NA	3381.23
MW015	06/16/2006	3420.40	39.13	NM	NA	3381.27
MW015	03/22/2007	3420.40	38.83	NM	NA	3381.57
MW015	09/18/2007	3420.40	38.51	NM	NA	3381.89
MW015	03/18/2008	3420.40	38.59	NM	NA	3381.81
MW015	08/04/2008	3420.40	39.02	NM	NA	3381.38
MW015	03/10/2009	3420.40	39.11	NM	NA	3381.29
MW015	07/28/2009	3420.40	39.35	NM	NA	3381.05
MW015	03/01/2010	3420.40	39.50	NM	NA	3380.90
MW015	08/02/2010	3420.40	39.49	NM	NA	3380.91
MW015	05/03/2011	3420.40	39.51	NM	NA	3380.89
MW015	11/01/2011	3420.40	39.58	NM	NA	3380.82
MW015	05/01/2012	3420.40	39.61	NM	NA	3380.79
MW015	10/24/2012	3420.40	39.87	NM	NA	3380.53
MW015	04/30/2013	3420.40	39.85	NM	NA	3380.55
MW015	10/29/2013	3420.40	40.07	NM	NA	3380.33
MW015	05/05/2014	3420.40	40.15	NM	NA	3380.25
MW015	11/03/2014	3420.40	39.83	NM	NA	3380.57
MW015	05/06/2015	3420.40	39.50	NM	NA	3380.90
MW015	11/02/2015	3420.40	39.38	NM	NA	3381.02
MW015	05/09/2016	3420.40	39.22	NM	NA	3381.18
MW015	09/22/2016	3420.40	39.20	NM	NA	3381.20
MW015	05/02/2017	3420.40	38.53	NM	NA	3381.87
MW015A	12/18/1997	3420.55	42.50	NM	NA	3378.05
MW015A	11/16/1999	3420.55	41.33	NM	NA	3379.22
MW015A	05/15/2001	3420.55	40.69	NM	NA	3379.86
MW015A	08/23/2001	3420.55	40.71	NM	NA	3379.84
MW015A	01/21/2002	3420.55	40.72	NM	NA	3379.83
MW015A	04/04/2002	3420.55	40.89	NM	NA	3379.66
MW015A	09/03/2002	3420.55	40.66	NM	NA	3379.89
MW015A	12/02/2002	3420.55	40.43	NM	NA	3380.12
MW015A	01/30/2003	3420.55	40.30	NM	NA	3380.25
MW015A	03/28/2003	3420.55	40.54	NM	NA	3380.01
MW015A	05/19/2003	3420.55	40.52	NM	NA	3380.03
MW015A	09/08/2003	3420.55	40.49	NM	NA	3380.06
MW015A	12/02/2003	3420.55	40.42	NM	NA	3380.13
MW015A	03/30/2004	3420.55	40.72	NM	NA	3379.83
MW015A	06/07/2004	3420.55	40.61	NM	NA	3379.94
MW015A	09/16/2004	3420.55	40.44	NM	NA	3380.11
MW015A	11/30/2004	3420.55	40.21	NM	NA	3380.34
MW015A	03/31/2005	3420.55	39.70	NM	NA	3380.85
MW015A	05/23/2005	3420.55	39.50	NM	NA	3381.05
MW015A	01/17/2006	3420.55	39.17	NM	NA	3381.38
MW015A	06/16/2006	3420.55	39.03	NM	NA	3381.52
MW015A	03/22/2007	3420.55	38.74	NM	NA	3381.81
MW015A	09/13/2007	3420.55	38.42	NM	NA	3382.13
MW015A	03/18/2008	3420.55	38.63	NM	NA	3381.92
MW015A	08/04/2008	3420.55	38.91	NM	NA	3381.64

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Location ID	Date	Top of Casing (feet amsl)	Depth To Groundwater (feet)	Depth to LNAPL (feet btoc)	LNAPL Thickness (feet)	Groundwater Elevation (feet amsl)
MW015A	03/10/2009	3420.55	39.05	NM	NA	3381.50
MW015A	07/28/2009	3420.55	39.28	NM	NA	3381.27
MW015A	03/01/2010	3420.55	39.45	NM	NA	3381.10
MW015A	08/02/2010	3420.55	49.45	NM	NA	3371.10
MW015A	05/03/2011	3420.55	39.58	NM	NA	3380.97
MW015A	11/02/2011	3420.55	39.48	NM	NA	3381.07
MW015A	05/01/2012	3420.55	39.55	NM	NA	3381.00
MW015A	10/25/2012	3420.55	38.04	NM	NA	3382.51
MW015A	04/30/2013	3420.55	39.82	NM	NA	3380.73
MW015A	10/29/2013	3420.55	40.11	NM	NA	3380.44
MW015A	05/05/2014	3420.55	40.15	NM	NA	3380.40
MW015A	11/03/2014	3420.55	39.83	NM	NA	3380.72
MW015A	09/06/2015	3420.55	39.52	NM	NA	3381.03
MW015A	11/03/2015	3420.55	39.51	NM	NA	3381.04
MW015A	05/09/2016	3420.55	39.29	NM	NA	3381.26
MW015A	09/22/2016	3420.55	39.27	NM	NA	3381.28
MW015A	05/02/2017	3420.55	38.59	NM	NA	3381.96
MW015A	09/18/2017	3420.55	38.52	NM	NA	3382.03
MW015A	03/21/2018	3420.55	57.5	NM	NA	3363.05
MW015A	09/13/2018	3420.55	38.26	NM	NA	3382.29
MW015A	04/10/2019	3420.55	38.10	NM	NA	3382.45
MW015A	10/07/2019	3420.55	38.36	NM	NA	3382.19
MW015A	03/09/2020	3420.55	38.40	NM	NA	3382.15
MW015A	09/23/2020	3420.55	38.17	NM	NA	3382.38
MW015A	03/10/2021	3420.55	38.29	NM	NA	3382.26
MW015A	10/11/2021	3420.55	37.87	NM	NA	3382.68
MW016A	12/18/1997	3419.92	41.98	NM	NA	3377.94
MW016A	11/16/1999	3419.92	40.80	NM	NA	3379.12
MW016A	05/15/2001	3419.92	40.34	NM	NA	3379.58
MW016A	08/23/2001	3419.92	40.21	NM	NA	3379.71
MW016A	01/21/2002	3419.92	40.33	NM	NA	3379.59
MW016A	04/04/2002	3419.92	40.51	NM	NA	3379.41
MW016A	09/03/2002	3419.92	40.16	NM	NA	3379.76
MW016A	12/02/2002	3419.92	39.90	NM	NA	3380.02
MW016A	01/30/2003	3419.92	39.89	NM	NA	3380.03
MW016A	03/28/2003	3419.92	40.05	NM	NA	3379.87
MW016A	05/19/2003	3419.92	40.15	NM	NA	3379.77
MW016A	09/08/2003	3419.92	40.11	NM	NA	3379.81
MW016A	12/02/2003	3419.92	40.17	NM	NA	3379.75
MW016A	03/30/2004	3419.92	40.43	NM	NA	3379.49
MW016A	06/07/2004	3419.92	40.26	NM	NA	3379.66
MW016A	09/16/2004	3419.92	39.98	NM	NA	3379.94
MW016A	11/30/2004	3419.92	39.53	NM	NA	3380.39
MW016A	03/31/2005	3419.92	39.05	NM	NA	3380.87
MW016A	05/23/2005	3419.92	38.96	NM	NA	3380.96
MW016A	01/17/2006	3419.92	38.53	NM	NA	3381.39
MW016A	06/16/2006	3419.92	38.62	NM	NA	3381.30
MW016A	03/22/2007	3419.92	38.32	NM	NA	3381.60
MW016A	09/12/2007	3419.92	37.98	NM	NA	3381.94
MW016A	03/18/2008	3419.92	38.29	NM	NA	3381.63
MW016A	08/04/2008	3419.92	38.58	NM	NA	3381.34
MW016A	03/10/2009	3419.92	38.75	NM	NA	3381.17
MW016A	07/28/2009	3419.92	38.96	NM	NA	3380.96
MW016A	03/01/2010	3419.92	39.08	NM	NA	3380.84
MW016A	08/02/2010	3419.92	39.02	NM	NA	3380.90
MW016A	05/03/2011	3419.92	39.21	NM	NA	3380.71
MW016A	11/02/2011	3419.92	39.21	NM	NA	3380.71
MW016A	05/17/2012	3419.92	39.44	NM	NA	3380.48
MW016A	10/25/2012	3419.92	39.43	NM	NA	3380.49
MW016A	05/01/2013	3419.92	39.64	NM	NA	3380.28
MW016A	10/29/2013	3419.92	39.78	NM	NA	3380.14
MW016A	05/05/2014	3419.92	39.89	NM	NA	3380.03
MW016A	11/13/2014	3419.92	39.40	NM	NA	3380.52
MW016A	05/06/2015	3419.92	39.11	NM	NA	3380.81
MW016A	11/03/2015	3419.92	39.01	NM	NA	3380.91
MW016A	09/14/2018	3419.92	37.83	NM	NA	3382.09
MW016A	10/11/2021	3419.92	37.87	NM	NA	3382.05
MW017A	12/18/1997	3424.38	46.05	NM	NA	3378.33
MW017A	11/16/1999	3424.38	45.12	NM	NA	3379.26
MW017A	05/15/2001	3424.38	44.53	NM	NA	3379.85

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Location ID	Date	Top of Casing (feet amsl)	Depth To Groundwater (feet)	Depth to LNAPL (feet btoc)	LNAPL Thickness (feet)	Groundwater Elevation (feet amsl)
MW017A	08/23/2001	3424.38	44.49	NM	NA	3379.89
MW017A	01/21/2002	3424.38	44.42	NM	NA	3379.96
MW017A	04/04/2002	3424.38	44.58	NM	NA	3379.80
MW017A	09/03/2002	3424.38	44.38	NM	NA	3380.00
MW017A	12/02/2002	3424.38	44.15	NM	NA	3380.23
MW017A	01/30/2003	3424.38	44.10	NM	NA	3380.28
MW017A	03/28/2003	3424.38	44.23	NM	NA	3380.15
MW017A	05/19/2003	3424.38	44.19	NM	NA	3380.19
MW017A	09/08/2003	3424.38	44.13	NM	NA	3380.25
MW017A	12/02/2003	3424.38	44.07	NM	NA	3380.31
MW017A	03/30/2004	3424.38	44.26	NM	NA	3380.12
MW017A	06/07/2004	3424.38	44.21	NM	NA	3380.17
MW017A	09/16/2004	3424.38	44.14	NM	NA	3380.24
MW017A	11/30/2004	3424.38	43.89	NM	NA	3380.49
MW017A	03/31/2005	3424.38	43.44	NM	NA	3380.94
MW017A	05/23/2005	3424.28	43.24	NM	NA	3381.04
MW017A	01/17/2006	3424.28	42.80	NM	NA	3381.48
MW017A	06/16/2006	3424.28	42.69	NM	NA	3381.59
MW017A	03/21/2007	3424.28	42.42	NM	NA	3381.86
MW017A	09/13/2007	3424.28	42.13	NM	NA	3382.15
MW017A	03/21/2008	3424.28	42.42	NM	NA	3381.86
MW017A	09/13/2008	3424.28	42.13	NM	NA	3382.15
MW018	11/16/1999	3417.15	37.82	NM	NA	3379.33
MW018	05/15/2001	3417.15	37.90	NM	NA	3379.25
MW018	08/23/2001	3417.15	37.26	NM	NA	3379.89
MW018	01/21/2002	3417.15	37.90	NM	NA	3379.25
MW018	04/04/2002	3417.15	38.15	NM	NA	3379.00
MW018	09/03/2002	3417.15	37.34	NM	NA	3379.81
MW018	12/02/2002	3417.15	37.37	NM	NA	3379.78
MW018	01/30/2003	3417.15	37.38	NM	NA	3379.77
MW018	03/28/2003	3417.15	37.66	NM	NA	3379.49
MW018	05/19/2003	3417.15	37.81	NM	NA	3379.34
MW018	09/08/2003	3417.15	37.82	NM	NA	3379.33
MW018	12/02/2003	3417.15	37.99	NM	NA	3379.16
MW018	03/30/2004	3417.15	38.30	NM	NA	3378.85
MW018	06/07/2004	3417.15	37.86	NM	NA	3379.29
MW018	09/16/2004	3417.15	37.48	NM	NA	3379.67
MW018	11/29/2004	3417.15	36.48	NM	NA	3380.67
MW018	03/31/2005	3417.15	36.32	NM	NA	3380.83
MW018	05/23/2005	3417.15	36.18	NM	NA	3380.97
MW018	01/17/2006	3417.15	36.05	NM	NA	3381.10
MW018	06/16/2006	3417.15	36.31	NM	NA	3380.84
MW018	04/02/2007	3417.15	35.95	NM	NA	3381.20
MW018	09/13/2007	3417.15	35.18	NM	NA	3381.97
MW018	03/18/2008	3417.15	36.19	NM	NA	3380.96
MW018	03/10/2009	3417.15	36.59	NM	NA	3380.56
MW018	07/28/2009	3417.15	36.83	NM	NA	3380.32
MW018	03/01/2010	3417.15	36.74	NM	NA	3380.41
MW018	08/02/2010	3417.15	36.38	NM	NA	3380.77
MW018	11/01/2011	3417.15	37.11	NM	NA	3380.04
MW018	05/22/2012	3417.15	37.35	NM	NA	3379.80
MW018	10/24/2012	3417.15	37.24	NM	NA	3379.91
MW018	04/30/2013	3417.15	37.50	NM	NA	3379.65
MW018	10/29/2013	3417.15	37.60	NM	NA	3379.55
MW018	05/05/2014	3417.15	37.74	NM	NA	3379.41
MW018	11/04/2014	3417.15	36.70	NM	NA	3380.45
MW018	05/05/2015	3417.15	36.90	NM	NA	3380.25
MW018	11/03/2015	3417.15	36.80	NM	NA	3380.35
MW018	05/10/2016	3417.15	36.55	NM	NA	3380.60
MW018	09/22/2016	3417.15	36.18	NM	NA	3380.97
MW018	05/02/2017	3417.15	35.75	NM	NA	3381.40
MW018	09/18/2017	3417.15	35.26	NM	NA	3381.89
MW018	03/20/2018	3417.15	35.34	NM	NA	3381.81
MW018	09/13/2018	3417.15	35.33	NM	NA	3381.82
MW018	04/10/2019	3417.15	35.33	NM	NA	3381.82
MW018	10/07/2019	3417.15	39.65	NM	NA	3377.50
MW018	03/09/2020	3417.15	35.89	NM	NA	3381.26
MW018	09/23/2020	3417.15	35.84	NM	NA	3381.31
MW018	03/10/2021	3417.15	36.04	NM	NA	3381.11
MW018	10/11/2021	3417.15	35.52	NM	NA	3381.63

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Location ID	Date	Top of Casing (feet amsl)	Depth To Groundwater (feet)	Depth to LNAPL (feet btoc)	LNAPL Thickness (feet)	Groundwater Elevation (feet amsl)
MW018A	12/18/1997	3416.86	39.16	NM	NA	3377.70
MW018A	11/16/1999	3416.86	37.52	NM	NA	3379.34
MW018A	05/15/2001	3416.86	37.62	NM	NA	3379.24
MW018A	08/23/2001	3416.86	37.55	NM	NA	3379.31
MW018A	01/21/2002	3416.86	37.62	NM	NA	3379.24
MW018A	04/04/2002	3416.86	37.89	NM	NA	3378.97
MW018A	09/03/2002	3416.86	37.03	NM	NA	3379.83
MW018A	12/02/2002	3416.86	37.01	NM	NA	3379.85
MW018A	01/30/2003	3416.86	37.12	NM	NA	3379.74
MW018A	03/28/2003	3416.86	37.38	NM	NA	3379.48
MW018A	05/19/2003	3416.86	37.54	NM	NA	3379.32
MW018A	09/08/2003	3416.86	37.51	NM	NA	3379.35
MW018A	12/02/2003	3416.86	37.65	NM	NA	3379.21
MW018A	03/30/2004	3416.86	38.01	NM	NA	3378.85
MW018A	06/07/2004	3416.86	37.56	NM	NA	3379.30
MW018A	09/16/2004	3416.86	37.20	NM	NA	3379.66
MW018A	11/29/2004	3416.86	36.11	NM	NA	3380.75
MW018A	03/31/2005	3416.86	35.99	NM	NA	3380.87
MW018A	05/23/2005	3416.86	35.86	NM	NA	3381.00
MW018A	01/17/2006	3416.86	35.78	NM	NA	3381.08
MW018A	06/16/2006	3416.86	36.01	NM	NA	3380.85
MW018A	04/02/2007	3416.86	35.65	NM	NA	3381.21
MW018A	09/12/2007	3416.86	35.51	NM	NA	3381.35
MW018A	03/18/2008	3416.86	35.88	NM	NA	3380.98
MW018A	03/10/2009	3416.86	36.29	NM	NA	3380.57
MW018A	07/28/2009	3416.86	36.49	NM	NA	3380.37
MW018A	03/01/2010	3416.86	36.40	NM	NA	3380.46
MW018A	08/02/2010	3416.86	36.05	NM	NA	3380.81
MW018A	11/02/2011	3416.86	36.80	NM	NA	3380.06
MW018A	05/22/2012	3416.86	37.01	NM	NA	3379.85
MW018A	10/24/2012	3416.86	36.93	NM	NA	3379.93
MW018A	04/30/2013	3416.86	37.15	NM	NA	3379.71
MW019A	12/18/1997	3414.74	39.83	NM	NA	3374.91
MW019A	11/16/1999	3414.74	38.12	NM	NA	3376.62
MW019A	05/15/2001	3414.74	38.02	NM	NA	3376.72
MW019A	08/23/2001	3414.74	37.62	NM	NA	3377.12
MW019A	01/21/2002	3414.74	37.92	NM	NA	3376.82
MW019A	04/04/2002	3414.74	38.15	NM	NA	3376.59
MW019A	09/03/2002	3414.74	37.40	NM	NA	3377.34
MW019A	12/02/2002	3414.74	37.46	NM	NA	3377.28
MW019A	01/30/2003	3414.74	37.61	NM	NA	3377.13
MW019A	03/28/2003	3414.74	37.79	NM	NA	3376.95
MW019A	05/19/2003	3414.74	37.91	NM	NA	3376.83
MW019A	09/08/2003	3414.74	38.06	NM	NA	3376.68
MW019A	12/02/2003	3414.74	38.22	NM	NA	3376.52
MW019A	03/30/2004	3414.74	38.41	NM	NA	3376.33
MW019A	06/07/2004	3414.74	37.93	NM	NA	3376.81
MW019A	09/16/2004	3414.74	37.82	NM	NA	3376.92
MW019A	11/29/2004	3414.74	36.70	NM	NA	3378.04
MW019A	03/31/2005	3414.74	36.35	NM	NA	3378.39
MW019A	05/23/2005	3414.74	36.62	NM	NA	3378.12
MW019A	01/17/2006	3414.74	36.37	NM	NA	3378.37
MW019A	06/16/2006	3414.74	36.61	NM	NA	3378.13
MW019A	04/04/2007	3414.74	36.30	NM	NA	3378.44
MW019A	09/13/2007	3414.74	35.96	NM	NA	3378.78
MW019A	03/18/2008	3414.74	36.50	NM	NA	3378.24
MW019A	08/04/2008	3414.74	36.82	NM	NA	3377.92
MW019A	03/10/2009	3414.74	36.74	NM	NA	3378.00
MW019A	07/28/2009	3414.74	37.00	NM	NA	3377.74
MW019A	03/01/2010	3414.74	36.72	NM	NA	3378.02
MW019A	07/30/2010	3414.74	36.39	NM	NA	3378.35
MW019A	11/02/2011	3414.74	39.48	NM	NA	3375.26
MW019A	05/22/2012	3414.74	37.70	NM	NA	3377.04
MW019A	10/24/2012	3414.74	37.79	NM	NA	3376.95
MW019A	04/30/2013	3414.74	37.76	NM	NA	3376.98
MW019A	05/05/2014	3414.74	37.81	NM	NA	3376.93
MW019A	11/04/2014	3414.74	37.03	NM	NA	3377.71
MW019A	05/05/2015	3414.74	37.01	NM	NA	3377.73
MW019A	11/03/2015	3414.74	37.25	NM	NA	3377.49
MW019A	05/10/2016	3414.74	36.68	NM	NA	3378.06

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Location ID	Date	Top of Casing (feet amsl)	Depth To Groundwater (feet)	Depth to LNAPL (feet btoc)	LNAPL Thickness (feet)	Groundwater Elevation (feet amsl)
MW019A	09/22/2016	3414.74	36.54	NM	NA	3378.20
MW019A	05/02/2017	3414.74	35.16	NM	NA	3379.58
MW019A	09/18/2017	3414.74	35.42	NM	NA	3379.32
MW019A	03/20/2018	3414.74	35.48	NM	NA	3379.26
MW019A	09/13/2018	3414.74	35.37	NM	NA	3379.37
MW019A	04/09/2019	3414.74	35.55	NM	NA	3379.19
MW019A	10/07/2019	3414.74	37.99	NM	NA	3376.75
MW019A	03/09/2020	3414.74	36.17	NM	NA	3378.57
MW019A	03/10/2021	3414.74	36.47	NM	NA	3378.27
MW019A	10/11/2021	3414.74	36.18	NM	NA	3378.56
MW020	11/16/1999	3420.85	44.58	NM	NA	3376.27
MW020	02/06/2002	3420.85	44.02	NM	NA	3376.83
MW020	09/03/2002	3420.85	43.79	NM	NA	3377.06
MW020	12/09/2002	3420.85	43.84	NM	NA	3377.01
MW020	01/30/2003	3420.85	43.78	NM	NA	3377.07
MW020	03/28/2003	3420.85	43.86	NM	NA	3376.99
MW020	06/05/2003	3420.85	43.93	NM	NA	3376.92
MW020	01/22/2004	3420.85	44.39	NM	NA	3376.46
MW020	03/30/2004	3420.85	44.41	NM	NA	3376.44
MW020	06/07/2004	3420.85	44.16	NM	NA	3376.69
MW020	09/17/2004	3420.85	43.99	NM	NA	3376.86
MW020	11/29/2004	3420.85	43.59	NM	NA	3377.26
MW020	04/01/2005	3420.85	43.12	NM	NA	3377.73
MW020	05/23/2005	3420.85	42.99	NM	NA	3377.86
MW020	01/17/2006	3420.85	42.61	NM	NA	3378.24
MW020	06/16/2006	3420.85	42.55	NM	NA	3378.30
MW020	04/04/2007	3420.85	42.23	NM	NA	3378.62
MW020	03/18/2008	3420.85	42.25	NM	NA	3378.60
MW020	08/04/2008	3420.85	42.57	NM	NA	3378.28
MW020	03/10/2009	3420.85	42.67	NM	NA	3378.18
MW020	07/28/2009	3420.85	42.88	NM	NA	3377.97
MW020	03/01/2010	3420.85	42.86	NM	NA	3377.99
MW020	07/30/2010	3420.85	42.80	NM	NA	3378.05
MW020	05/03/2011	3420.85	42.99	NM	NA	3377.86
MW020	11/01/2011	3420.85	43.70	NM	NA	3377.15
MW020	05/02/2012	3420.85	43.30	NM	NA	3377.55
MW020	10/24/2012	3420.85	43.48	NM	NA	3377.37
MW020	04/30/2013	3420.85	43.62	NM	NA	3377.23
MW020	10/29/2013	3420.85	43.82	NM	NA	3377.03
MW020	05/05/2014	3420.85	43.83	NM	NA	3377.02
MW020	11/04/2014	3420.85	43.45	NM	NA	3377.40
MW020	05/05/2015	3420.85	43.01	NM	NA	3377.84
MW020	11/03/2015	3420.85	43.14	NM	NA	3377.71
MW020	05/10/2016	3420.85	42.75	NM	NA	3378.10
MW020	09/22/2016	3420.85	42.80	NM	NA	3378.05
MW020	05/03/2017	3420.85	42.03	NM	NA	3378.82
MW020A	11/16/1999	3421.14	44.70	NM	NA	3376.44
MW020A	02/06/2002	3421.14	44.14	NM	NA	3377.00
MW020A	09/03/2002	3421.14	43.98	NM	NA	3377.16
MW020A	12/09/2002	3421.14	44.06	NM	NA	3377.08
MW020A	01/30/2003	3421.14	43.98	NM	NA	3377.16
MW020A	03/28/2003	3421.14	44.05	NM	NA	3377.09
MW020A	06/05/2003	3421.14	44.44	NM	NA	3376.70
MW020A	01/22/2004	3421.14	44.68	NM	NA	3376.46
MW020A	03/30/2004	3421.14	44.59	NM	NA	3376.55
MW020A	06/07/2004	3421.14	44.33	NM	NA	3376.81
MW020A	09/17/2004	3421.14	44.15	NM	NA	3376.99
MW020A	11/29/2004	3421.14	43.75	NM	NA	3377.39
MW020A	04/01/2005	3421.14	43.24	NM	NA	3377.90
MW020A	05/23/2005	3421.14	43.16	NM	NA	3377.98
MW020A	01/17/2006	3421.14	42.87	NM	NA	3378.27
MW020A	06/16/2006	3421.14	42.74	NM	NA	3378.40
MW020A	04/04/2007	3421.14	42.40	NM	NA	3378.74
MW020A	03/18/2008	3421.14	42.41	NM	NA	3378.73
MW020A	08/04/2008	3421.14	42.76	NM	NA	3378.38
MW020A	03/10/2009	3421.14	42.85	NM	NA	3378.29
MW020A	07/28/2009	3421.14	43.08	NM	NA	3378.06
MW020A	03/01/2010	3421.14	43.04	NM	NA	3378.10
MW020A	07/30/2010	3421.14	42.99	NM	NA	3378.15
MW020A	05/03/2011	3421.14	43.18	NM	NA	3377.96

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Location ID	Date	Top of Casing (feet amsl)	Depth To Groundwater (feet)	Depth to LNAPL (feet btoc)	LNAPL Thickness (feet)	Groundwater Elevation (feet amsl)
MW020A	11/02/2011	3421.14	41.11	NM	NA	3380.03
MW020A	05/02/2012	3421.14	43.49	NM	NA	3377.65
MW020A	10/24/2012	3421.14	43.66	NM	NA	3377.48
MW020A	04/30/2013	3421.14	43.78	NM	NA	3377.36
MW020A	10/29/2013	3421.14	44.00	NM	NA	3377.14
MW020A	05/05/2014	3421.14	44.01	NM	NA	3377.13
MW020A	11/04/2014	3421.14	43.62	NM	NA	3377.52
MW020A	05/05/2015	3421.14	43.23	NM	NA	3377.91
MW020A	11/03/2015	3421.14	43.32	NM	NA	3377.82
MW020A	05/10/2016	3421.14	44.94	NM	NA	3376.20
MW020A	09/22/2016	3421.14	42.98	NM	NA	3378.16
MW020A	05/03/2017	3421.14	42.21	NM	NA	3378.93
MW020A	09/18/2017	3421.14	41.88	NM	NA	3379.26
MW020A	03/21/2018	3421.14	41.79	NM	NA	3379.35
MW020A	09/13/2018	3421.14	41.28	NM	NA	3379.86
MW020A	04/09/2019	3421.14	41.72	NM	NA	3379.42
MW020A	10/07/2019	3421.14	41.95	NM	NA	3379.19
MW020A	03/09/2020	3421.14	42.19	NM	NA	3378.95
MW020A	03/10/2021	3421.14	41.95	NM	NA	3379.19
MW020A	10/11/2021	3421.14	42.18	NM	NA	3378.96
MW021	11/16/1999	3422.72	47.82	NM	NA	3374.90
MW021	05/15/2001	3422.72	47.09	NM	NA	3375.63
MW021	08/23/2001	3422.72	47.34	NM	NA	3375.38
MW021	01/21/2002	3422.72	47.19	NM	NA	3375.53
MW021	04/04/2002	3422.72	47.35	NM	NA	3375.37
MW021	09/03/2002	3422.72	47.25	NM	NA	3375.47
MW021	12/02/2002	3422.72	47.01	NM	NA	3375.71
MW021	01/30/2003	3422.72	46.98	NM	NA	3375.74
MW021	03/28/2003	3422.72	47.02	NM	NA	3375.70
MW021	05/19/2003	3422.72	47.09	NM	NA	3375.63
MW021	09/08/2003	3422.72	47.21	NM	NA	3375.51
MW021	01/21/2004	3422.72	47.22	NM	NA	3375.50
MW021	03/30/2004	3422.72	47.21	NM	NA	3375.51
MW021	06/07/2004	3422.72	47.45	NM	NA	3375.27
MW021	09/17/2004	3422.72	47.15	NM	NA	3375.57
MW021	11/29/2004	3422.72	46.80	NM	NA	3375.92
MW021	03/31/2005	3422.72	46.28	NM	NA	3376.44
MW021	05/23/2005	3422.72	46.22	NM	NA	3376.50
MW021	01/18/2006	3422.72	45.68	NM	NA	3377.04
MW021	06/14/2006	3422.72	45.45	NM	NA	3377.27
MW021	04/09/2007	3422.72	45.10	NM	NA	3377.62
MW021	09/18/2007	3422.72	45.81	NM	NA	3376.91
MW021	03/18/2008	3422.72	45.07	NM	NA	3377.65
MW021	08/04/2008	3422.72	46.23	NM	NA	3376.49
MW021	03/10/2009	3422.72	45.60	NM	NA	3377.12
MW021	07/28/2009	3422.72	45.77	NM	NA	3376.95
MW021	03/01/2010	3422.72	45.71	NM	NA	3377.01
MW021	08/02/2010	3422.72	45.89	NM	NA	3376.83
MW021	05/04/2011	3422.72	45.23	NM	NA	3377.49
MW021	11/01/2011	3422.72	46.07	NM	NA	3376.65
MW021	05/02/2012	3422.72	46.11	NM	NA	3376.61
MW021	10/24/2012	3422.72	46.52	NM	NA	3376.20
MW021	04/29/2013	3422.72	46.58	NM	NA	3376.14
MW021A	08/04/1980	3422.94	45.49	NM	NA	3377.45
MW021A	11/16/1999	3422.94	48.41	NM	NA	3374.53
MW021A	05/15/2001	3422.94	47.57	NM	NA	3375.37
MW021A	08/23/2001	3422.94	47.98	NM	NA	3374.96
MW021A	01/21/2002	3422.94	47.83	NM	NA	3375.11
MW021A	04/04/2002	3422.94	47.98	NM	NA	3374.96
MW021A	09/03/2002	3422.94	48.07	NM	NA	3374.87
MW021A	12/02/2002	3422.94	47.63	NM	NA	3375.31
MW021A	01/30/2003	3422.94	47.61	NM	NA	3375.33
MW021A	03/28/2003	3422.94	47.71	NM	NA	3375.23
MW021A	05/19/2003	3422.94	47.96	NM	NA	3374.98
MW021A	09/08/2003	3422.94	48.01	NM	NA	3374.93
MW021A	01/21/2004	3422.94	48.73	NM	NA	3374.21
MW021A	03/30/2004	3422.94	47.94	NM	NA	3375.00
MW021A	06/07/2004	3422.94	48.28	NM	NA	3374.66
MW021A	09/14/2004	3422.94	47.95	NM	NA	3374.99
MW021A	11/29/2004	3422.94	47.35	NM	NA	3375.59

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Location ID	Date	Top of Casing (feet amsl)	Depth To Groundwater (feet)	Depth to LNAPL (feet btoc)	LNAPL Thickness (feet)	Groundwater Elevation (feet amsl)
MW021A	03/31/2005	3422.94	46.93	NM	NA	3376.01
MW021A	05/23/2005	3422.94	47.04	NM	NA	3375.90
MW021A	01/18/2006	3422.94	46.34	NM	NA	3376.60
MW021A	06/14/2006	3422.94	46.35	NM	NA	3376.59
MW021A	04/09/2007	3422.94	45.80	NM	NA	3377.14
MW021A	09/18/2007	3422.94	45.09	NM	NA	3377.85
MW021A	03/19/2008	3422.94	45.08	NM	NA	3377.86
MW021A	03/10/2009	3422.94	46.28	NM	NA	3376.66
MW021A	07/28/2009	3422.94	46.46	NM	NA	3376.48
MW021A	03/01/2010	3422.94	46.34	NM	NA	3376.60
MW021A	08/02/2010	3422.94	46.83	NM	NA	3376.11
MW021A	05/06/2011	3422.94	46.44	NM	NA	3376.50
MW021A	11/04/2011	3422.94	46.74	NM	NA	3376.20
MW021A	05/02/2012	3422.94	47.97	NM	NA	3374.97
MW021A	10/24/2012	3422.94	47.44	NM	NA	3375.50
MW021A	04/29/2013	3422.94	48.06	NM	NA	3374.88
MW021A	10/29/2013	3422.94	47.95	NM	NA	3374.99
MW021A	05/05/2014	3422.94	47.70	NM	NA	3375.24
MW021A	11/03/2014	3422.94	47.06	NM	NA	3375.88
MW021A	05/05/2015	3422.94	46.62	NM	NA	3376.32
MW021A	11/02/2015	3422.94	46.82	NM	NA	3376.12
MW021A	05/11/2016	3422.94	46.46	NM	NA	3376.48
MW021A	09/22/2016	3422.94	46.48	NM	NA	3376.46
MW021A	05/01/2017	3422.94	46.13	NM	NA	3376.81
MW021A	09/18/2017	3422.94	46.33	NM	NA	3376.61
MW021A	03/20/2018	3422.94	45.78	NM	NA	3377.16
MW021A	09/12/2018	3422.94	46.01	NM	NA	3376.93
MW021A	04/09/2019	3422.94	45.47	NM	NA	3377.47
MW021A	10/07/2019	3422.94	45.73	NM	NA	3377.21
MW021A	03/09/2020	3422.94	45.54	NM	NA	3377.40
MW021A	03/08/2021	3422.94	45.63	NM	NA	3377.31
MW021A	10/11/2021	3422.94	45.8	NM	NA	3377.14
MW022A	11/16/1999	3431.13	57.29	NM	NA	3373.84
MW022A	05/15/2001	3431.13	53.35	NM	NA	3377.78
MW022A	08/23/2001	3431.13	53.96	NM	NA	3377.17
MW022A	01/21/2002	3431.13	53.75	NM	NA	3377.38
MW022A	04/04/2002	3431.13	66.00	NM	NA	3365.13
MW022A	09/03/2002	3431.13	52.96	NM	NA	3378.17
MW022A	12/02/2002	3431.13	52.95	NM	NA	3378.18
MW022A	01/31/2003	3431.13	53.25	NM	NA	3377.88
MW022A	03/28/2003	3431.13	53.58	NM	NA	3377.55
MW022A	05/19/2003	3431.13	53.26	NM	NA	3377.87
MW022A	09/09/2003	3431.13	66.99	NM	NA	3364.14
MW022A	12/03/2003	3431.13	66.97	NM	NA	3364.16
MW022A	03/30/2004	3431.13	64.08	NM	NA	3367.05
MW022A	06/07/2004	3431.13	61.36	NM	NA	3369.77
MW022A	09/17/2004	3431.13	53.22	NM	NA	3377.91
MW022A	11/30/2004	3431.13	54.56	NM	NA	3376.57
MW022A	03/31/2005	3431.13	52.44	NM	NA	3378.69
MW022A	05/23/2005	3431.13	52.30	NM	NA	3378.83
MW022A	01/16/2006	3431.13	52.56	NM	NA	3378.57
MW022A	06/19/2006	3431.13	47.04	NM	NA	3384.09
MW022A	03/30/2007	3431.13	50.80	NM	NA	3380.33
MW022A	09/13/2007	3431.13	50.84	NM	NA	3380.29
MW022A	03/18/2008	3431.13	50.78	NM	NA	3380.35
MW022A	08/04/2008	3431.13	51.02	NM	NA	3380.11
MW022A	03/10/2009	3431.13	51.09	NM	NA	3380.04
MW022A	07/28/2009	3431.13	51.20	NM	NA	3379.93
MW022A	03/01/2010	3431.13	51.28	NM	NA	3379.85
MW022A	08/02/2010	3431.13	51.29	NM	NA	3379.84
MW022A	05/06/2011	3431.13	51.07	NM	NA	3380.06
MW022A	11/04/2011	3431.13	51.28	NM	NA	3379.85
MW022A	05/03/2012	3431.13	51.34	NM	NA	3379.79
MW022A	10/24/2012	3431.13	51.54	NM	NA	3379.59
MW022A	05/02/2013	3431.13	51.71	NM	NA	3379.42
MW023	11/16/1999	3436.44	58.42	NM	NA	3378.02
MW023	05/15/2001	3436.44	57.73	NM	NA	3378.71
MW023	08/23/2001	3436.44	57.79	NM	NA	3378.65
MW023	02/07/2002	3436.44	57.77	NM	NA	3378.67
MW023	09/03/2002	3436.44	57.69	NM	NA	3378.75

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Location ID	Date	Top of Casing (feet amsl)	Depth To Groundwater (feet)	Depth to LNAPL (feet btoc)	LNAPL Thickness (feet)	Groundwater Elevation (feet amsl)
MW023	12/02/2002	3436.44	57.46	NM	NA	3378.98
MW023	01/30/2003	3436.44	57.41	NM	NA	3379.03
MW023	03/28/2003	3436.44	57.50	NM	NA	3378.94
MW023	05/19/2003	3436.44	57.41	NM	NA	3379.03
MW023	09/09/2003	3436.44	57.39	NM	NA	3379.05
MW023	12/02/2003	3436.44	57.14	NM	NA	3379.30
MW023	03/30/2004	3436.44	57.34	NM	NA	3379.10
MW023	06/07/2004	3436.44	57.21	NM	NA	3379.23
MW023	09/17/2004	3436.44	57.34	NM	NA	3379.10
MW023	11/30/2004	3436.44	57.16	NM	NA	3379.28
MW023	03/31/2005	3436.44	56.92	NM	NA	3379.52
MW023	05/23/2005	3436.44	56.68	NM	NA	3379.76
MW023	01/17/2006	3436.44	56.37	NM	NA	3380.07
MW023	06/14/2006	3436.44	56.00	NM	NA	3380.44
MW023	04/18/2007	3436.44	55.64	NM	NA	3380.80
MW023	09/20/2007	3436.44	55.46	NM	NA	3380.98
MW023	04/09/2008	3436.44	55.31	NM	NA	3381.13
MW023	08/04/2008	3436.44	55.40	NM	NA	3381.04
MW023	03/11/2009	3436.44	55.55	NM	NA	3380.89
MW023	07/29/2009	3436.44	55.55	NM	NA	3380.89
MW023	03/01/2010	3436.44	55.66	NM	NA	3380.78
MW023	08/03/2010	3436.44	55.51	NM	NA	3380.93
MW023	05/05/2011	3436.44	55.26	NM	NA	3381.18
MW023	11/01/2011	3436.44	55.53	NM	NA	3380.91
MW023	05/24/2012	3436.44	55.63	NM	NA	3380.81
MW023	10/25/2012	3436.44	55.72	NM	NA	3380.72
MW023	05/01/2013	3436.44	55.80	NM	NA	3380.64
MW023	10/28/2013	3436.44	55.81	NM	NA	3380.63
MW023	05/05/2014	3436.44	55.91	NM	NA	3380.53
MW023	11/03/2014	3436.44	55.88	NM	NA	3380.56
MW023	05/06/2015	3436.44	55.64	NM	NA	3380.80
MW023	11/02/2015	3436.44	55.33	NM	NA	3381.11
MW023	05/11/2016	3436.44	55.46	NM	NA	3380.98
MW023	09/22/2016	3436.44	55.49	NM	NA	3380.95
MW023	05/02/2017	3436.44	55.07	NM	NA	3381.37
MW023	09/18/2017	3436.44	55.06	NM	NA	3381.38
MW023	03/20/2018	3436.44	54.92	NM	NA	3381.52
MW023	09/13/2018	3436.44	54.87	NM	NA	3381.57
MW023	04/10/2019	3436.44	54.69	NM	NA	3381.75
MW023	10/07/2019	3436.44	54.85	NM	NA	3381.59
MW023	03/09/2020	3436.44	54.84	NM	NA	3381.60
MW023	09/23/2020	3436.44	54.63	NM	NA	3381.81
MW023	03/08/2021	3436.44	54.65	NM	NA	3381.79
MW023	10/11/2021	3436.44	54.62	NM	NA	3381.82
MW023A	01/09/2003	3436.26	57.70	NM	NA	3378.56
MW023A	01/30/2003	3436.26	57.23	NM	NA	3379.03
MW023A	03/28/2003	3436.26	57.33	NM	NA	3378.93
MW023A	05/19/2003	3436.26	57.25	NM	NA	3379.01
MW023A	09/09/2003	3436.26	53.23	NM	NA	3383.03
MW023A	12/02/2003	3436.26	57.23	NM	NA	3379.03
MW023A	03/30/2004	3436.26	57.25	NM	NA	3379.01
MW023A	06/07/2004	3436.26	57.35	NM	NA	3378.91
MW023A	09/17/2004	3436.26	57.14	NM	NA	3379.12
MW023A	11/30/2004	3436.26	57.11	NM	NA	3379.15
MW023A	03/31/2005	3436.26	56.62	NM	NA	3379.64
MW023A	05/23/2005	3436.26	56.46	NM	NA	3379.80
MW023A	01/17/2006	3436.26	56.09	NM	NA	3380.17
MW023A	06/14/2006	3436.26	55.80	NM	NA	3380.46
MW023A	03/29/2007	3436.26	53.38	NM	NA	3382.88
MW023A	09/11/2007	3436.26	55.29	NM	NA	3380.97
MW023A	03/18/2008	3436.26	55.11	NM	NA	3381.15
MW023A	08/04/2008	3436.26	55.18	NM	NA	3381.08
MW023A	03/10/2009	3436.26	55.22	NM	NA	3381.04
MW023A	07/28/2009	3436.26	55.32	NM	NA	3380.94
MW023A	03/01/2010	3436.26	55.40	NM	NA	3380.86
MW023A	08/03/2010	3436.26	55.62	NM	NA	3380.64
MW023A	05/03/2011	3436.26	56.52	NM	NA	3379.74
MW023A	11/02/2011	3436.26	55.39	NM	NA	3380.87
MW023A	05/04/2012	3436.26	55.43	NM	NA	3380.83
MW023A	10/25/2012	3436.26	55.56	NM	NA	3380.70

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Location ID	Date	Top of Casing (feet amsl)	Depth To Groundwater (feet)	Depth to LNAPL (feet btoc)	LNAPL Thickness (feet)	Groundwater Elevation (feet amsl)
MW023A	05/01/2013	3436.26	55.62	NM	NA	3380.64
MW023A	10/29/2013	3436.26	55.68	NM	NA	3380.58
MW023A	05/05/2014	3436.26	55.80	NM	NA	3380.46
MW023A	11/03/2014	3436.26	55.75	NM	NA	3380.51
MW023A	05/06/2015	3436.26	55.49	NM	NA	3380.77
MW023A	11/02/2015	3436.26	55.54	NM	NA	3380.72
MW023A	05/11/2016	3436.26	55.40	NM	NA	3380.86
MW023A	09/22/2016	3436.26	55.25	NM	NA	3381.01
MW023A	05/02/2017	3436.26	54.94	NM	NA	3381.32
MW024	01/09/2003	3431.32	53.76	NM	NA	3377.56
MW024	01/29/2003	3431.32	53.64	NM	NA	3377.68
MW024	03/27/2003	3431.32	53.85	NM	NA	3377.47
MW024	05/19/2003	3431.32	53.77	NM	NA	3377.55
MW024	09/09/2003	3431.32	53.93	NM	NA	3377.39
MW024	12/02/2003	3431.32	53.86	NM	NA	3377.46
MW024	03/30/2004	3431.32	54.10	NM	NA	3377.22
MW024	06/07/2004	3431.32	54.21	NM	NA	3377.11
MW024	09/16/2004	3431.32	53.71	NM	NA	3377.61
MW024	11/29/2004	3431.32	53.54	NM	NA	3377.78
MW024	03/31/2005	3431.32	53.06	NM	NA	3378.26
MW024	05/23/2005	3431.32	52.78	NM	NA	3378.54
MW024	01/17/2006	3431.32	52.11	NM	NA	3379.21
MW024	06/14/2006	3431.32	51.60	NM	NA	3379.72
MW024	04/11/2007	3431.32	51.33	NM	NA	3379.99
MW024	09/13/2007	3431.32	51.44	NM	NA	3379.88
MW024	03/19/2008	3431.32	51.45	NM	NA	3379.87
MW024	08/04/2008	3431.32	51.52	NM	NA	3379.80
MW024	03/11/2009	3431.22	51.69	NM	NA	3379.53
MW024	07/29/2009	3431.22	51.74	NM	NA	3379.48
MW024	03/01/2010	3431.22	51.78	NM	NA	3379.44
MW024	08/02/2010	3431.22	51.81	NM	NA	3379.41
MW024	05/04/2011	3431.22	51.60	NM	NA	3379.62
MW024	11/01/2011	3431.32	51.77	NM	NA	3379.55
MW024	05/01/2012	3431.32	51.76	NM	NA	3379.56
MW024	10/24/2012	3431.32	51.89	NM	NA	3379.43
MW024	05/01/2013	3431.32	52.10	NM	NA	3379.22
MW024	10/28/2013	3431.32	52.23	NM	NA	3379.09
MW024	05/05/2014	3431.32	52.24	NM	NA	3379.08
MW024	11/03/2014	3431.32	52.20	NM	NA	3379.12
MW024	05/06/2015	3431.32	51.87	NM	NA	3379.45
MW024	11/03/2015	3431.32	51.85	NM	NA	3379.47
MW024	05/10/2016	3431.32	51.71	NM	NA	3379.61
MW024	09/22/2016	3431.32	51.66	NM	NA	3379.66
MW024	05/02/2017	3431.32	51.32	NM	NA	3380.00
MW024A	11/16/1999	3430.77	54.30	NM	NA	3376.47
MW024A	05/15/2001	3430.77	53.32	NM	NA	3377.45
MW024A	08/23/2001	3430.77	53.86	NM	NA	3376.91
MW024A	02/06/2002	3430.77	53.42	NM	NA	3377.35
MW024A	09/03/2002	3430.77	53.26	NM	NA	3377.51
MW024A	12/02/2002	3430.77	53.03	NM	NA	3377.74
MW024A	01/29/2003	3430.77	53.11	NM	NA	3377.66
MW024A	03/27/2003	3430.77	53.31	NM	NA	3377.46
MW024A	05/19/2003	3430.77	53.22	NM	NA	3377.55
MW024A	09/09/2003	3430.77	53.73	NM	NA	3377.04
MW024A	12/02/2003	3430.77	53.69	NM	NA	3377.08
MW024A	03/30/2004	3430.77	53.87	NM	NA	3376.90
MW024A	06/07/2004	3430.77	53.89	NM	NA	3376.88
MW024A	09/16/2004	3430.77	53.11	NM	NA	3377.66
MW024A	11/29/2004	3430.77	53.04	NM	NA	3377.73
MW024A	03/31/2005	3430.77	52.50	NM	NA	3378.27
MW024A	05/23/2005	3430.77	52.26	NM	NA	3378.51
MW024A	01/17/2006	3430.77	51.43	NM	NA	3379.34
MW024A	06/14/2006	3430.77	50.90	NM	NA	3379.87
MW024A	04/11/2007	3430.77	50.82	NM	NA	3379.95
MW024A	09/18/2007	3430.77	50.88	NM	NA	3379.89
MW024A	03/19/2008	3430.77	50.88	NM	NA	3379.89
MW024A	08/04/2008	3430.77	50.98	NM	NA	3379.79
MW024A	03/11/2009	3430.77	51.15	NM	NA	3379.62
MW024A	07/29/2009	3430.77	51.17	NM	NA	3379.60
MW024A	03/01/2010	3430.77	51.22	NM	NA	3379.55

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Location ID	Date	Top of Casing (feet amsl)	Depth To Groundwater (feet)	Depth to LNAPL (feet btoc)	LNAPL Thickness (feet)	Groundwater Elevation (feet amsl)
MW024A	08/02/2010	3430.77	51.24	NM	NA	3379.53
MW024A	05/03/2011	3430.77	51.07	NM	NA	3379.70
MW024A	11/02/2011	3430.77	51.22	NM	NA	3379.55
MW024A	05/01/2012	3430.77	51.20	NM	NA	3379.57
MW024A	10/24/2012	3430.77	51.35	NM	NA	3379.42
MW024A	05/01/2013	3430.77	51.54	NM	NA	3379.23
MW024A	10/29/2013	3430.77	51.64	NM	NA	3379.13
MW024A	05/05/2014	3430.77	51.70	NM	NA	3379.07
MW024A	11/03/2014	3430.77	51.60	NM	NA	3379.17
MW024A	05/06/2015	3430.77	51.32	NM	NA	3379.45
MW024A	11/03/2015	3430.77	51.31	NM	NA	3379.46
MW024A	05/10/2016	3430.77	51.14	NM	NA	3379.63
MW024A	09/22/2016	3430.77	51.14	NM	NA	3379.63
MW024A	05/02/2017	3430.77	50.79	NM	NA	3379.98
MW024A	09/18/2017	3430.77	50.71	NM	NA	3380.06
MW024A	03/20/2018	3430.77	54.58	NM	NA	3376.19
MW024A	09/12/2018	3430.77	50.67	NM	NA	3380.10
MW024A	04/09/2019	3430.77	50.37	NM	NA	3380.40
MW024A	10/07/2019	3430.77	50.57	NM	NA	3380.20
MW024A	03/09/2020	3430.77	50.59	NM	NA	3380.18
MW024A	03/10/2021	3430.77	50.41	NM	NA	3380.36
MW024A	10/11/2021	3430.77	50.45	NM	NA	3380.32
MW025	11/16/1999	3432.69	53.23	NM	NA	3379.46
MW025	05/15/2001	3432.69	53.24	NM	NA	3379.45
MW025	08/23/2001	3432.69	53.02	NM	NA	3379.67
MW025	01/21/2002	3432.69	53.03	NM	NA	3379.66
MW025	04/05/2002	3432.69	53.17	NM	NA	3379.52
MW025	09/03/2002	3432.69	53.01	NM	NA	3379.68
MW025	12/02/2002	3432.69	52.83	NM	NA	3379.86
MW025	01/29/2003	3432.69	52.80	NM	NA	3379.89
MW025	03/28/2003	3432.69	52.86	NM	NA	3379.83
MW025	05/19/2003	3432.69	52.59	NM	NA	3380.10
MW025	09/09/2003	3432.69	52.62	NM	NA	3380.07
MW025	12/02/2003	3432.69	52.55	NM	NA	3380.14
MW025	03/30/2004	3432.69	52.70	NM	NA	3379.99
MW025	06/07/2004	3432.69	52.62	NM	NA	3380.07
MW025	09/16/2004	3432.69	52.48	NM	NA	3380.21
MW025	11/29/2004	3432.69	52.41	NM	NA	3380.28
MW025	03/31/2005	3432.69	52.10	NM	NA	3380.59
MW025	05/23/2005	3432.69	51.88	NM	NA	3380.81
MW025	01/17/2006	3432.69	51.43	NM	NA	3381.26
MW025	06/16/2006	3432.69	51.40	NM	NA	3381.29
MW025	03/22/2007	3432.69	50.04	NM	NA	3382.65
MW025	09/18/2007	3432.69	50.89	NM	NA	3381.80
MW025	03/18/2008	3432.69	50.85	NM	NA	3381.84
MW025	08/04/2008	3432.69	51.10	NM	NA	3381.59
MW025	03/10/2009	3432.69	51.12	NM	NA	3381.57
MW025	07/28/2009	3432.69	51.31	NM	NA	3381.38
MW025	03/01/2010	3432.69	51.41	NM	NA	3381.28
MW025	08/03/2010	3432.69	51.41	NM	NA	3381.28
MW025	05/03/2011	3432.69	51.30	NM	NA	3381.39
MW025	11/01/2011	3432.64	51.25	NM	NA	3381.39
MW025	05/01/2012	3432.64	51.38	NM	NA	3381.26
MW025	10/25/2012	3432.64	51.53	NM	NA	3381.11
MW025	04/30/2013	3432.64	51.58	NM	NA	3381.06
MW026	11/16/1999	3432.04	52.95	NM	NA	3379.09
MW026	05/15/2001	3432.04	52.08	NM	NA	3379.96
MW026	08/23/2001	3432.04	52.06	NM	NA	3379.98
MW026	01/21/2002	3432.04	51.91	NM	NA	3380.13
MW026	04/04/2002	3432.04	52.00	NM	NA	3380.04
MW026	09/03/2002	3432.04	51.99	NM	NA	3380.05
MW026	12/02/2002	3432.04	51.60	NM	NA	3380.44
MW026	01/30/2003	3432.04	51.43	NM	NA	3380.61
MW026	03/28/2003	3432.04	51.62	NM	NA	3380.42
MW026	05/19/2003	3432.04	51.52	NM	NA	3380.52
MW026	09/08/2003	3432.04	51.64	NM	NA	3380.40
MW026	12/02/2003	3432.04	51.49	NM	NA	3380.55
MW026	03/30/2004	3432.04	51.70	NM	NA	3380.34
MW026	06/07/2004	3432.04	51.69	NM	NA	3380.35
MW026	09/16/2004	3432.04	51.62	NM	NA	3380.42

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MW026	11/30/2004	3432.04	51.56	NM	NA	3380.48
MW026	03/31/2005	3432.04	51.03	NM	NA	3381.01
MW026	05/23/2005	3432.04	50.79	NM	NA	3381.25
MW026	01/17/2006	3432.04	50.43	NM	NA	3381.61
MW026	06/15/2006	3432.04	50.23	NM	NA	3381.81
MW026	04/05/2007	3432.04	51.12	NM	NA	3380.92
MW026	09/10/2007	3432.04	49.84	NM	NA	3382.20
MW026	03/18/2008	3432.04	49.74	NM	NA	3382.30
MW026	08/04/2008	3432.04	49.80	NM	NA	3382.24
MW026	03/10/2009	3432.04	50.25	NM	NA	3381.79
MW026	07/28/2009	3432.04	50.52	NM	NA	3381.52
MW026	03/01/2010	3432.04	50.75	NM	NA	3381.29
MW026	08/02/2010	3432.04	52.85	NM	NA	3379.19
MW026	05/03/2011	3432.04	50.76	NM	NA	3381.28
MW026	11/01/2011	3432.04	50.78	NM	NA	3381.26
MW026	05/03/2012	3432.04	50.83	NM	NA	3381.21
MW026	10/25/2012	3432.04	51.08	NM	NA	3380.96
MW026	04/30/2013	3432.04	50.90	NM	NA	3381.14
MW026	10/29/2013	3432.04	50.82	NM	NA	3381.22
MW026	05/05/2014	3432.04	51.15	NM	NA	3380.89
MW026	11/03/2014	3432.04	51.20	NM	NA	3380.84
MW026	05/06/2015	3432.04	50.89	NM	NA	3381.15
MW026	11/03/2015	3432.04	50.90	NM	NA	3381.14
MW026	05/09/2016	3432.04	50.63	NM	NA	3381.41
MW026	09/22/2016	3432.04	50.62	NM	NA	3381.42
MW026	09/18/2017	3432.04	50.07	NM	NA	3381.97
MW026	03/20/2018	3432.04	49.84	NM	NA	3382.20
MW026	09/13/2018	3432.04	49.8	NM	NA	3382.24
MW026	04/16/2019	3432.04	NM	NM	NA	NM
MW026	10/08/2019	3432.04	49.6	NM	NA	3382.44
MW026	03/09/2020	3432.04	49.68	NM	NA	3382.36
MW026	03/11/2021	3432.04	49.46	NM	NA	3382.58
MW026	10/11/2021	3432.04	49.85	NM	NA	3382.19
MW027	11/16/1999	3443.33	64.65	NM	NA	3378.68
MW027	05/15/2001	3443.33	64.09	NM	NA	3379.24
MW027	08/23/2001	3443.33	63.82	NM	NA	3379.51
MW027	01/21/2002	3443.33	63.87	NM	NA	3379.46
MW027	04/04/2002	3443.33	63.90	NM	NA	3379.43
MW027	09/03/2002	3443.33	63.90	NM	NA	3379.43
MW027	12/02/2002	3443.33	63.64	NM	NA	3379.69
MW027	01/30/2003	3443.33	63.59	NM	NA	3379.74
MW027	03/27/2003	3443.33	63.49	NM	NA	3379.84
MW027	05/19/2003	3443.33	63.63	NM	NA	3379.70
MW027	09/08/2003	3443.33	63.58	NM	NA	3379.75
MW027	12/02/2003	3443.33	63.48	NM	NA	3379.85
MW027	03/30/2004	3443.33	63.62	NM	NA	3379.71
MW027	06/07/2004	3443.33	63.67	NM	NA	3379.66
MW027	09/16/2004	3443.33	63.55	NM	NA	3379.78
MW027	11/29/2004	3443.33	63.48	NM	NA	3379.85
MW027	03/31/2005	3443.33	62.98	NM	NA	3380.35
MW027	05/23/2005	3443.33	62.73	NM	NA	3380.60
MW027	01/17/2006	3443.33	62.39	NM	NA	3380.94
MW027	06/16/2006	3443.33	62.32	NM	NA	3381.01
MW027	03/21/2007	3443.33	62.13	NM	NA	3381.20
MW027	09/13/2007	3443.33	62.04	NM	NA	3381.29
MW027	03/18/2008	3443.33	61.99	NM	NA	3381.34
MW027	08/04/2008	3443.33	62.14	NM	NA	3381.19
MW027	07/29/2009	3443.33	62.52	NM	NA	3380.81
MW027	03/01/2010	3443.33	62.73	NM	NA	3380.60
MW027	08/02/2010	3443.33	62.84	NM	NA	3380.49
MW027	05/03/2011	3443.33	62.57	NM	NA	3380.76
MW027	11/01/2011	3443.33	62.57	NM	NA	3380.76
MW027	05/17/2012	3443.33	62.65	NM	NA	3380.68
MW027	10/24/2012	3443.33	62.67	NM	NA	3380.66
MW027	04/30/2013	3443.33	62.80	NM	NA	3380.53
MW027	10/29/2013	3443.33	62.99	NM	NA	3380.34
MW027	05/05/2014	3443.33	62.87	NM	NA	3380.46
MW027	11/03/2014	3443.33	62.90	NM	NA	3380.43
MW027	05/06/2015	3443.33	62.65	NM	NA	3380.68
MW027	11/03/2015	3443.33	62.70	NM	NA	3380.63

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ARCADIS Design & Consultancy for natural and built assets

Location ID	Date	Top of Casing (feet amsl)	Depth To Groundwater (feet)	Depth to LNAPL (feet btoc)	LNAPL Thickness (feet)	Groundwater Elevation (feet amsl)
MW027	05/09/2016	3443.33	62.55	NM	NA	3380.78
MW027	09/22/2016	3443.33	62.47	NM	NA	3380.86
MW027	05/02/2017	3443.33	62.05	NM	NA	3381.28
MW027	09/18/2017	3443.33	62.1	NM	NA	3381.23
MW027	03/20/2018	3443.33	61.89	NM	NA	3381.44
MW027	09/13/2018	3443.33	61.88	NM	NA	3381.45
MW027	04/16/2019	3443.33	62.91	NM	NA	3380.42
MW027	10/07/2019	3443.33	61.89	NM	NA	3381.44
MW027	03/09/2020	3443.33	61.85	NM	NA	3381.48
MW027	03/11/2021	3443.33	61.58	NM	NA	3381.75
MW027	10/11/2021	3443.33	61.92	NM	NA	3381.41
MW028	11/16/1999	3451.63	73.52	NM	NA	3378.11
MW028	05/15/2001	3451.63	72.89	NM	NA	3378.74
MW028	08/23/2001	3451.63	72.86	NM	NA	3378.77
MW028	01/21/2002	3451.63	72.75	NM	NA	3378.88
MW028	04/05/2002	3451.63	72.77	NM	NA	3378.86
MW028	09/03/2002	3451.63	72.71	NM	NA	3378.92
MW028	12/02/2002	3451.63	72.55	NM	NA	3379.08
MW028	01/29/2003	3451.63	72.51	NM	NA	3379.12
MW028	03/28/2003	3451.63	72.58	NM	NA	3379.05
MW028	05/19/2003	3451.63	72.52	NM	NA	3379.11
MW028	09/09/2003	3451.63	72.53	NM	NA	3379.10
MW028	01/28/2004	3451.63	72.53	NM	NA	3379.10
MW028	03/30/2004	3451.63	72.36	NM	NA	3379.27
MW028	06/07/2004	3451.63	72.25	NM	NA	3379.38
MW028	09/17/2004	3451.63	72.28	NM	NA	3379.35
MW028	11/29/2004	3451.63	71.89	NM	NA	3379.74
MW028	04/01/2005	3451.63	71.71	NM	NA	3379.92
MW028	05/23/2005	3451.63	71.55	NM	NA	3380.08
MW028	01/17/2006	3451.63	71.10	NM	NA	3380.53
MW028	06/14/2006	3451.63	71.16	NM	NA	3380.47
MW028	03/21/2007	3451.63	70.91	NM	NA	3380.72
MW028	09/05/2007	3451.63	70.61	NM	NA	3381.02
MW028	03/18/2008	3451.63	70.68	NM	NA	3380.95
MW028	08/04/2008	3451.63	69.96	NM	NA	3381.67
MW028	03/10/2009	3451.63	70.70	NM	NA	3380.93
MW028	07/28/2009	3451.63	70.89	NM	NA	3380.74
MW028	03/01/2010	3451.63	70.92	NM	NA	3380.71
MW028	08/02/2010	3451.63	70.66	NM	NA	3380.97
MW028	05/03/2011	3451.63	70.66	NM	NA	3380.97
MW028	11/01/2011	3451.63	70.76	NM	NA	3380.87
MW028	05/24/2012	3451.63	70.92	NM	NA	3380.71
MW028	10/24/2012	3451.63	70.92	NM	NA	3380.71
MW028	04/30/2013	3451.63	71.00	NM	NA	3380.63
MW029	11/16/1999	3446.89	68.62	NM	NA	3378.27
MW029	05/15/2001	3446.89	68.12	NM	NA	3378.77
MW029	08/30/2001	3446.89	68.47	NM	NA	3378.42
MW029	02/06/2002	3446.89	67.97	NM	NA	3378.92
MW029	09/03/2002	3446.89	67.86	NM	NA	3379.03
MW029	12/02/2002	3446.89	67.70	NM	NA	3379.19
MW029	01/29/2003	3446.89	67.73	NM	NA	3379.16
MW029	03/27/2003	3446.89	67.66	NM	NA	3379.23
MW029	05/19/2003	3446.89	67.63	NM	NA	3379.26
MW029	09/09/2003	3446.89	67.68	NM	NA	3379.21
MW029	12/02/2003	3446.89	67.59	NM	NA	3379.30
MW029	03/30/2004	3446.89	67.50	NM	NA	3379.39
MW029	06/07/2004	3446.89	67.53	NM	NA	3379.36
MW029	06/16/2004	3446.89	67.49	NM	NA	3379.40
MW029	11/29/2004	3446.89	67.58	NM	NA	3379.31
MW029	03/31/2005	3446.89	67.33	NM	NA	3379.56
MW029	05/23/2005	3446.89	67.15	NM	NA	3379.74
MW029	01/17/2006	3446.89	66.99	NM	NA	3379.90
MW029	06/14/2006	3446.89	66.75	NM	NA	3380.14
MW029	03/28/2007	3446.89	66.46	NM	NA	3380.43
MW029	09/05/2007	3446.89	66.25	NM	NA	3380.64
MW029	03/18/2008	3446.89	66.09	NM	NA	3380.80
MW029	08/04/2008	3446.89	65.98	NM	NA	3380.91
MW029	03/10/2009	3446.89	65.97	NM	NA	3380.92
MW029	07/28/2009	3446.89	65.92	NM	NA	3380.97
MW029	03/01/2010	3446.89	66.00	NM	NA	3380.89

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Location ID	Date	Top of Casing (feet amsl)	Depth To Groundwater (feet)	Depth to LNAPL (feet btoc)	LNAPL Thickness (feet)	Groundwater Elevation (feet amsl)
MW029	08/02/2010	3446.89	65.96	NM	NA	3380.93
MW029	05/04/2011	3446.89	65.85	NM	NA	3381.04
MW029	11/01/2011	3446.89	65.81	NM	NA	3381.08
MW029	05/01/2012	3446.89	65.80	NM	NA	3381.09
MW029	10/24/2012	3446.89	65.80	NM	NA	3381.09
MW029	05/01/2013	3446.89	65.91	NM	NA	3380.98
MW030	04/24/2002	3439.84	61.42	NM	NA	3378.42
MW030	05/07/2002	3439.84	61.30	NM	NA	3378.54
MW030	09/03/2002	3439.84	61.39	NM	NA	3378.45
MW030	12/02/2002	3439.84	61.18	NM	NA	3378.66
MW030	01/29/2003	3439.84	61.80	NM	NA	3378.04
MW030	03/27/2003	3439.84	61.14	NM	NA	3378.70
MW030	05/19/2003	3439.84	61.16	NM	NA	3378.68
MW030	09/09/2003	3439.84	61.16	NM	NA	3378.68
MW030	12/02/2003	3439.84	61.06	NM	NA	3378.78
MW030	03/30/2004	3439.84	61.04	NM	NA	3378.80
MW030	06/07/2004	3439.84	61.03	NM	NA	3378.81
MW030	09/17/2004	3439.84	61.06	NM	NA	3378.78
MW030	11/29/2004	3439.84	61.08	NM	NA	3378.76
MW030	03/31/2005	3439.84	60.80	NM	NA	3379.04
MW030	05/23/2005	3439.84	60.60	NM	NA	3379.24
MW030	01/17/2006	3439.84	60.28	NM	NA	3379.56
MW030	06/14/2006	3439.84	59.99	NM	NA	3379.85
MW030	03/28/2007	3439.84	59.58	NM	NA	3380.26
MW030	09/10/2007	3439.84	59.40	NM	NA	3380.44
MW030	03/18/2008	3439.84	58.20	NM	NA	3381.64
MW030	08/04/2008	3439.84	59.14	NM	NA	3380.70
MW030	03/10/2009	3439.84	59.25	NM	NA	3380.59
MW030	07/28/2009	3439.84	59.24	NM	NA	3380.60
MW030	03/01/2010	3439.84	59.32	NM	NA	3380.52
MW030	08/02/2010	3439.84	59.32	NM	NA	3380.52
MW030	05/04/2011	3439.84	59.23	NM	NA	3380.61
MW030	11/01/2011	3439.84	59.17	NM	NA	3380.67
MW030	05/01/2012	3439.84	59.17	NM	NA	3380.67
MW030	10/24/2012	3439.84	59.20	NM	NA	3380.64
MW030	05/01/2013	3439.84	59.39	NM	NA	3380.45
MW030	10/28/2013	3439.84	59.42	NM	NA	3380.42
MW030	05/05/2014	3439.84	59.47	NM	NA	3380.37
MW030	11/03/2014	3439.84	59.51	NM	NA	3380.33
MW030	05/06/2015	3439.84	59.30	NM	NA	3380.54
MW030	11/03/2015	3439.84	59.23	NM	NA	3380.61
MW030	05/10/2016	3439.84	59.15	NM	NA	3380.69
MW030	09/22/2016	3439.84	59.13	NM	NA	3380.71
MW030	05/02/2017	3439.84	58.94	NM	NA	3380.90
MW030	09/18/2017	3439.84	58.87	NM	NA	3380.97
MW030	03/20/2018	3439.84	58.73	NM	NA	3381.11
MW030	09/13/2018	3439.84	58.7	NM	NA	3381.14
MW030	04/10/2019	3439.84	58.51	NM	NA	3381.33
MW030	10/07/2019	3439.84	58.6	NM	NA	3381.24
MW030	03/09/2020	3439.84	58.92	NM	NA	3380.92
MW030	03/11/2021	3439.84	58.39	NM	NA	3381.45
MW030	10/11/2021	3439.84	58.39	NM	NA	3381.45
MW030P	05/05/2014	NM	49.31	NM	NA	NM
MW030P	11/03/2014	NM	48.80	NM	NA	NM
MW030P	05/05/2015	NM	48.50	NM	NA	NM
MW030P	11/02/2015	NM	48.54	NM	NA	NM
MW030P	05/08/2016	NM	48.29	NM	NA	NM
MW030P	05/12/2016	NM	48.29	NM	NA	NM
MW030P	09/14/2016	NM	48.27	NM	NA	NM
MW030P	05/02/2017	NM	47.60	NM	NA	NM
MW031	04/25/2002	3440.68	61.80	NM	NA	3378.88
MW031	05/07/2002	3440.68	61.85	NM	NA	3378.83
MW031	09/03/2002	3440.68	61.88	NM	NA	3378.80
MW031	12/02/2002	3440.68	61.73	NM	NA	3378.95
MW031	01/29/2003	3440.68	61.71	NM	NA	3378.97
MW031	03/27/2003	3440.68	61.65	NM	NA	3379.03
MW031	05/19/2003	3440.68	61.67	NM	NA	3379.01
MW031	09/09/2003	3440.68	61.68	NM	NA	3379.00
MW031	12/02/2003	3440.68	61.50	NM	NA	3379.18
MW031	03/30/2004	3440.68	61.53	NM	NA	3379.15

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Location ID	Date	Top of Casing (feet amsl)	Depth To Groundwater (feet)	Depth to LNAPL (feet btoc)	LNAPL Thickness (feet)	Groundwater Elevation (feet amsl)
MW031	06/07/2004	3440.68	61.51	NM	NA	3379.17
MW031	09/16/2004	3440.68	61.48	NM	NA	3379.20
MW031	11/29/2004	3440.68	61.43	NM	NA	3379.25
MW031	03/31/2005	3440.68	61.04	NM	NA	3379.64
MW031	05/23/2005	3440.68	60.96	NM	NA	3379.72
MW031	01/17/2006	3440.68	60.74	NM	NA	3379.94
MW031	06/14/2006	3440.68	60.53	NM	NA	3380.15
MW031	03/28/2007	3440.68	60.24	NM	NA	3380.44
MW031	09/10/2007	3440.68	60.00	NM	NA	3380.68
MW031	03/18/2008	3440.68	59.89	NM	NA	3380.79
MW031	08/04/2008	3440.68	59.90	NM	NA	3380.78
MW031	03/10/2009	3440.68	59.86	NM	NA	3380.82
MW031	07/28/2009	3440.68	59.58	NM	NA	3381.10
MW031	03/01/2010	3440.68	60.04	NM	NA	3380.64
MW031	08/02/2010	3440.68	60.04	NM	NA	3380.64
MW031	05/04/2011	3440.68	59.89	NM	NA	3380.79
MW031	11/01/2011	3440.68	59.79	NM	NA	3380.89
MW031	05/01/2012	3440.68	59.88	NM	NA	3380.80
MW031	10/24/2012	3440.68	59.91	NM	NA	3380.77
MW031	05/01/2013	3440.68	60.08	NM	NA	3380.60
MW031	10/28/2013	3440.68	60.03	NM	NA	3380.65
MW031	05/05/2014	3440.68	60.13	NM	NA	3380.55
MW031	11/03/2014	3440.68	60.15	NM	NA	3380.53
MW031	05/06/2015	3440.68	60.00	NM	NA	3380.68
MW031	11/03/2015	3440.68	59.88	NM	NA	3380.80
MW031	05/09/2016	3440.68	59.83	NM	NA	3380.85
MW031	09/22/2016	3440.68	59.92	NM	NA	3380.76
MW031	05/02/2017	3442.13	59.68	NM	NA	3382.45
MW031	09/18/2017	3440.68	59.58	NM	NA	3381.10
MW031	03/20/2018	3440.68	59.48	NM	NA	3381.20
MW031	09/13/2018	3440.68	59.42	NM	NA	3381.26
MW031	04/10/2019	3440.68	59.22	NM	NA	3381.46
MW031	10/07/2019	3440.68	59.46	NM	NA	3381.22
MW031	03/09/2020	3442.13	59.36	NM	NA	3382.77
MW031	03/11/2021	3440.68	59.14	NM	NA	3381.54
MW032	04/04/2002	3442.22	62.71	NM	NA	3379.51
MW032	09/03/2002	3442.22	62.61	NM	NA	3379.61
MW032	12/02/2002	3442.22	62.40	NM	NA	3379.82
MW032	01/31/2003	3442.22	62.55	NM	NA	3379.67
MW032	03/27/2003	3442.22	62.32	NM	NA	3379.90
MW032	05/19/2003	3442.22	62.37	NM	NA	3379.85
MW032	09/09/2003	3442.22	62.38	NM	NA	3379.84
MW032	12/02/2003	3442.22	62.23	NM	NA	3379.99
MW032	03/30/2004	3442.22	62.30	NM	NA	3379.92
MW032	06/07/2004	3442.22	62.28	NM	NA	3379.94
MW032	09/16/2004	3442.22	62.14	NM	NA	3380.08
MW032	03/31/2005	3442.22	61.54	NM	NA	3380.68
MW032	05/23/2005	3442.22	61.35	NM	NA	3380.87
MW032	01/17/2006	3442.22	60.93	NM	NA	3381.29
MW032	06/15/2006	3442.22	60.92	NM	NA	3381.30
MW032	04/13/2007	3442.22	60.75	NM	NA	3381.47
MW032	09/06/2007	3442.22	60.52	NM	NA	3381.70
MW032	03/19/2008	3442.22	60.59	NM	NA	3381.63
MW032	08/04/2008	3442.22	60.85	NM	NA	3381.37
MW032	03/10/2009	3442.22	60.82	NM	NA	3381.40
MW032	07/28/2009	3442.22	61.02	NM	NA	3381.20
MW032	03/01/2010	3442.22	61.06	NM	NA	3381.16
MW032	08/02/2010	3442.22	61.72	NM	NA	3380.50
MW032	08/03/2010	3442.22	47.79	NM	NA	3394.43
MW032	05/03/2011	3442.22	60.91	NM	NA	3381.31
MW032	11/01/2011	3442.22	62.91	NM	NA	3379.31
MW032	05/24/2012	3442.22	61.12	NM	NA	3381.10
MW032	10/24/2012	3442.22	61.08	NM	NA	3381.14
MW032	04/30/2013	3442.22	61.20	NM	NA	3381.02
MW032	10/29/2013	3442.22	61.33	NM	NA	3380.89
MW032	05/05/2014	3442.22	61.27	NM	NA	3380.95
MW032	11/03/2014	3442.22	61.20	NM	NA	3381.02
MW032	05/06/2015	3442.22	61.07	NM	NA	3381.15
MW032	11/03/2015	3442.22	61.00	NM	NA	3381.22
MW032	05/09/2016	3442.22	61.00	NM	NA	3381.22

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Location ID	Date	Top of Casing (feet amsl)	Depth To Groundwater (feet)	Depth to LNAPL (feet btoc)	LNAPL Thickness (feet)	Groundwater Elevation (feet amsl)
MW032	09/22/2016	3442.22	61.00	NM	NA	3381.22
MW032	05/02/2017	3442.22	60.57	NM	NA	3381.65
MW032	09/18/2017	3442.22	60.61	NM	NA	3381.61
MW032	03/20/2018	3442.22	60.41	NM	NA	3381.81
MW032	09/13/2018	3442.22	60.36	NM	NA	3381.86
MW032	04/10/2019	3442.22	60.13	NM	NA	3382.09
MW032	10/08/2019	3442.22	60.15	NM	NA	3382.07
MW032	03/09/2020	3442.22	60.33	NM	NA	3381.89
MW032	09/23/2020	3442.22	51.05	NM	NA	3391.17
MW032	03/12/2021	3442.22	60.12	NM	NA	3382.10
MW032	10/11/2021	3442.22	60.3	NM	NA	3381.92
MW033	04/04/2002	3428.86	48.95	NM	NA	3379.91
MW033	09/03/2002	3428.86	48.86	NM	NA	3380.00
MW033	12/05/2002	3428.86	48.76	NM	NA	3380.10
MW033	01/31/2003	3428.86	48.63	NM	NA	3380.23
MW033	03/27/2003	3428.86	48.50	NM	NA	3380.36
MW033	05/19/2003	3428.86	48.63	NM	NA	3380.23
MW033	09/09/2003	3428.86	48.59	NM	NA	3380.27
MW033	12/03/2003	3428.86	48.69	NM	NA	3380.17
MW033	03/30/2004	3428.86	49.78	NM	NA	3379.08
MW033	06/07/2004	3428.86	48.64	NM	NA	3380.22
MW033	09/16/2004	3428.86	48.51	NM	NA	3380.35
MW033	11/30/2004	3428.86	48.41	NM	NA	3380.45
MW033	04/01/2005	3428.86	48.24	NM	NA	3380.62
MW033	05/23/2005	3428.86	47.73	NM	NA	3381.13
MW033	01/17/2006	3428.86	47.27	NM	NA	3381.59
MW033	06/16/2006	3428.86	47.06	NM	NA	3381.80
MW033	04/23/2007	3428.86	46.85	NM	NA	3382.01
MW033	09/20/2007	3428.86	46.64	NM	NA	3382.22
MW033	03/18/2008	3428.86	46.62	NM	NA	3382.24
MW033	08/04/2008	3428.86	46.92	NM	NA	3381.94
MW033	03/11/2009	3428.86	47.19	NM	NA	3381.67
MW033	07/29/2009	3428.86	47.34	NM	NA	3381.52
MW033	03/01/2010	3428.86	47.47	NM	NA	3381.39
MW033	08/03/2010	3428.86	47.53	NM	NA	3381.33
MW033	05/03/2011	3428.86	47.40	NM	NA	3381.46
MW033	11/02/2011	3428.86	47.50	NM	NA	3381.36
MW033	05/24/2012	3428.86	47.56	NM	NA	3381.30
MW033	10/25/2012	3428.86	47.79	NM	NA	3381.07
MW033	04/30/2013	3428.86	47.78	NM	NA	3381.08
MW034	04/04/2002	3418.76	43.49	NM	NA	3375.27
MW034	09/03/2002	3418.76	43.43	NM	NA	3375.33
MW034	12/02/2002	3418.76	43.24	NM	NA	3375.52
MW034	01/30/2003	3418.76	43.31	NM	NA	3375.45
MW034	03/28/2003	3418.76	43.20	NM	NA	3375.56
MW034	05/19/2003	3418.76	43.24	NM	NA	3375.52
MW034	09/08/2003	3418.76	43.43	NM	NA	3375.33
MW034	12/02/2003	3418.76	43.37	NM	NA	3375.39
MW034	03/30/2004	3418.76	43.55	NM	NA	3375.21
MW034	06/07/2004	3418.76	43.50	NM	NA	3375.26
MW034	09/16/2004	3418.76	43.41	NM	NA	3375.35
MW034	11/29/2004	3418.76	43.71	NM	NA	3375.05
MW034	03/31/2005	3418.76	42.66	NM	NA	3376.10
MW034	05/23/2005	3418.76	42.52	NM	NA	3376.24
MW034	01/17/2006	3418.76	47.06	NM	NA	3371.70
MW034	06/19/2006	3418.76	41.70	NM	NA	3377.06
MW034	04/09/2007	3418.76	41.40	NM	NA	3377.36
MW034	03/19/2008	3418.76	41.35	NM	NA	3377.41
MW034	03/11/2009	3418.76	41.86	NM	NA	3376.90
MW034	03/01/2010	3418.76	41.95	NM	NA	3376.81
MW034	08/02/2010	3418.76	41.99	NM	NA	3376.77
MW034	05/04/2011	3418.76	41.96	NM	NA	3376.80
MW034	11/01/2011	3418.76	42.26	NM	NA	3376.50
MW034	05/08/2012	3418.76	42.33	NM	NA	3376.43
MW034	10/24/2012	3418.76	42.61	NM	NA	3376.15
MW034	04/30/2013	3418.76	42.76	NM	NA	3376.00
MW034	05/05/2014	3418.76	43.01	NM	NA	3375.75
MW034	11/03/2014	3418.76	42.61	NM	NA	3376.15
MW034	05/05/2015	3418.76	42.26	NM	NA	3376.50
MW034	11/02/2015	3418.76	42.34	NM	NA	3376.42

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Location ID	Date	Top of Casing (feet amsl)	Depth To Groundwater (feet)	Depth to LNAPL (feet btoc)	LNAPL Thickness (feet)	Groundwater Elevation (feet amsl)
MW034	05/10/2016	3418.76	42.03	NM	NA	3376.73
MW034	09/15/2016	3418.76	42.11	NM	NA	3376.65
MW034	05/03/2017	3418.76	41.40	NM	NA	3377.36
MW035	08/23/2001	3427.39	50.49	NM	NA	3376.90
MW035	01/21/2002	3427.39	50.45	NM	NA	3376.94
MW035	04/04/2002	3427.39	50.58	NM	NA	3376.81
MW035	09/03/2002	3427.39	50.04	NM	NA	3377.35
MW035	12/02/2002	3427.39	50.03	NM	NA	3377.36
MW035	01/31/2003	3427.39	50.03	NM	NA	3377.36
MW035	03/28/2003	3427.39	50.19	NM	NA	3377.20
MW035	05/19/2003	3427.39	50.24	NM	NA	3377.15
MW035	09/09/2003	3427.39	50.35	NM	NA	3377.04
MW035	12/03/2003	3427.39	50.32	NM	NA	3377.07
MW035	03/30/2004	3427.39	50.52	NM	NA	3376.87
MW035	06/07/2004	3427.39	50.51	NM	NA	3376.88
MW035	09/17/2004	3427.39	49.98	NM	NA	3377.41
MW035	11/30/2004	3427.39	49.09	NM	NA	3378.30
MW035	03/31/2005	3427.39	49.02	NM	NA	3378.37
MW035	05/23/2005	3427.39	49.06	NM	NA	3378.33
MW035	01/17/2006	3427.39	48.44	NM	NA	3378.95
MW035	06/19/2006	3427.39	48.18	NM	NA	3379.21
MW035	04/02/2007	3427.39	47.91	NM	NA	3379.48
MW035	03/18/2008	3427.39	47.94	NM	NA	3379.45
MW035	03/10/2009	3427.39	48.45	NM	NA	3378.94
MW035	03/01/2010	3427.39	48.58	NM	NA	3378.81
MW035	08/02/2010	3427.39	48.44	NM	NA	3378.95
MW035	05/06/2011	3427.39	46.18	NM	NA	3381.21
MW035	11/01/2011	3427.39	48.79	NM	NA	3378.60
MW035	05/03/2012	3427.39	48.80	NM	NA	3378.59
MW035	10/24/2012	3427.39	49.16	NM	NA	3378.23
MW035	05/02/2013	3427.39	49.25	NM	NA	3378.14
MW036	08/23/2001	3425.49	48.36	NM	NA	3377.13
MW036	01/21/2002	3425.49	48.22	NM	NA	3377.27
MW036	04/04/2002	3425.49	48.24	NM	NA	3377.25
MW036	09/03/2002	3425.49	47.75	NM	NA	3377.74
MW036	12/02/2002	3425.49	47.78	NM	NA	3377.71
MW036	01/31/2003	3425.49	47.84	NM	NA	3377.65
MW036	03/28/2003	3425.49	47.91	NM	NA	3377.58
MW036	05/19/2003	3425.49	47.96	NM	NA	3377.53
MW036	09/09/2003	3425.49	48.12	NM	NA	3377.37
MW036	12/03/2003	3425.49	48.22	NM	NA	3377.27
MW036	03/30/2004	3425.49	48.37	NM	NA	3377.12
MW036	06/07/2004	3425.49	48.32	NM	NA	3377.17
MW036	09/17/2004	3425.49	47.86	NM	NA	3377.63
MW036	11/30/2004	3425.49	47.20	NM	NA	3378.29
MW036	04/01/2005	3425.49	46.89	NM	NA	3378.60
MW036	05/23/2005	3425.49	46.80	NM	NA	3378.69
MW036	01/17/2006	3425.49	46.11	NM	NA	3379.38
MW036	06/19/2006	3425.49	45.79	NM	NA	3379.70
MW036	04/19/2007	3425.49	45.52	NM	NA	3379.97
MW036	03/24/2008	3425.49	45.65	NM	NA	3379.84
MW036	03/11/2009	3425.49	46.18	NM	NA	3379.31
MW036	03/01/2010	3425.49	46.26	NM	NA	3379.23
MW036	08/03/2010	3425.49	46.37	NM	NA	3379.12
MW036	05/06/2011	3425.49	46.00	NM	NA	3379.49
MW036	11/02/2011	3425.49	46.22	NM	NA	3379.27
MW036	05/22/2012	3425.49	46.48	NM	NA	3379.01
MW036	10/24/2012	3425.49	46.82	NM	NA	3378.67
MW036	05/02/2013	3425.49	46.90	NM	NA	3378.59
MW036	10/29/2013	3425.49	47.15	NM	NA	3378.34
MW036	05/05/2014	3425.49	47.15	NM	NA	3378.34
MW036	11/03/2014	3425.49	46.80	NM	NA	3378.69
MW036	05/06/2015	3425.49	46.40	NM	NA	3379.09
MW036	09/16/2015	3425.49	46.21	NM	NA	3379.28
MW036	11/03/2015	3425.49	46.48	NM	NA	3379.01
MW036	05/12/2016	3425.49	46.24	NM	NA	3379.25
MW036	05/03/2017	3425.49	45.62	NM	NA	3379.87
MW037	08/23/2001	3423.71	46.60	NM	NA	3377.11
MW037	01/21/2002	3423.71	46.59	NM	NA	3377.12
MW037	04/04/2002	3423.71	46.62	NM	NA	3377.09

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Location ID	Date	Top of Casing (feet amsl)	Depth To Groundwater (feet)	Depth to LNAPL (feet btoc)	LNAPL Thickness (feet)	Groundwater Elevation (feet amsl)
MW037	09/03/2002	3423.71	46.07	NM	NA	3377.64
MW037	12/02/2002	3423.71	46.17	NM	NA	3377.54
MW037	01/31/2003	3423.71	46.28	NM	NA	3377.43
MW037	03/28/2003	3423.71	46.29	NM	NA	3377.42
MW037	05/19/2003	3423.71	46.39	NM	NA	3377.32
MW037	09/09/2003	3423.71	46.52	NM	NA	3377.19
MW037	12/03/2003	3423.71	46.46	NM	NA	3377.25
MW037	03/30/2004	3423.71	47.76	NM	NA	3375.95
MW037	06/07/2004	3423.71	46.64	NM	NA	3377.07
MW037	09/17/2004	3423.71	46.18	NM	NA	3377.53
MW037	11/30/2004	3423.71	45.51	NM	NA	3378.20
MW037	04/01/2005	3423.71	45.34	NM	NA	3378.37
MW037	05/23/2005	3423.71	45.21	NM	NA	3378.50
MW037	01/18/2006	3423.71	44.46	NM	NA	3379.25
MW037	06/19/2006	3423.71	44.29	NM	NA	3379.42
MW037	04/19/2007	3423.71	44.05	NM	NA	3379.66
MW037	03/24/2008	3423.71	44.15	NM	NA	3379.56
MW037	03/11/2009	3423.71	45.74	NM	NA	3377.97
MW037	03/01/2010	3423.71	44.74	NM	NA	3378.97
MW037	05/06/2011	3423.71	44.55	NM	NA	3379.16
MW037	11/02/2011	3423.71	44.86	NM	NA	3378.85
MW037	05/03/2012	3423.71	45.00	NM	NA	3378.71
MW037	10/23/2012	3423.71	45.31	NM	NA	3378.40
MW037	05/01/2013	3423.71	45.43	NM	NA	3378.28
MW037	10/29/2013	3423.71	45.95	NM	NA	3377.76
MW037	05/05/2014	3423.71	45.71	NM	NA	3378.00
MW037	11/03/2014	3423.71	45.30	NM	NA	3378.41
MW037	05/06/2015	3423.71	44.94	NM	NA	3378.77
MW037	11/02/2015	3423.71	44.99	NM	NA	3378.72
MW037	05/02/2017	3423.71	43.98	NM	NA	3379.73
MW037	09/18/2017	3423.71	44.15	NM	NA	3379.56
MW037	03/20/2018	3423.71	43.86	NM	NA	3379.85
MW037	09/11/2018	3423.71	45.09	NM	NA	3378.62
MW037	04/10/2019	3423.71	43.52	NM	NA	3380.19
MW037	10/07/2019	3423.71	44.04	NM	NA	3379.67
MW037	03/09/2020	3423.71	45.55	NM	NA	3378.16
MW037	03/08/2021	3423.71	43.85	NM	NA	3379.86
MW038	08/23/2001	3425.23	47.85	NM	NA	3377.38
MW038	01/21/2002	3425.23	47.69	NM	NA	3377.54
MW038	04/04/2002	3425.23	47.81	NM	NA	3377.42
MW038	09/03/2002	3425.23	47.43	NM	NA	3377.80
MW038	12/02/2002	3425.23	47.30	NM	NA	3377.93
MW038	01/31/2003	3425.23	47.41	NM	NA	3377.82
MW038	03/28/2003	3425.23	47.51	NM	NA	3377.72
MW038	05/19/2003	3425.23	47.42	NM	NA	3377.81
MW038	09/09/2003	3425.23	47.61	NM	NA	3377.62
MW038	12/03/2003	3425.23	47.72	NM	NA	3377.51
MW038	03/30/2004	3425.23	47.80	NM	NA	3377.43
MW038	06/07/2004	3425.23	47.76	NM	NA	3377.47
MW038	09/17/2004	3425.23	47.44	NM	NA	3377.79
MW038	11/30/2004	3425.23	46.89	NM	NA	3378.34
MW038	04/01/2005	3425.23	46.54	NM	NA	3378.69
MW038	05/23/2005	3425.23	46.35	NM	NA	3378.88
MW038	01/17/2006	3425.23	45.61	NM	NA	3379.62
MW038	06/19/2006	3425.23	45.32	NM	NA	3379.91
MW038	04/19/2007	3425.23	45.09	NM	NA	3380.14
MW038	03/24/2008	3425.23	45.20	NM	NA	3380.03
MW038	03/11/2009	3425.23	45.73	NM	NA	3379.50
MW038	03/01/2010	3425.23	45.89	NM	NA	3379.34
MW038	08/02/2010	3425.23	45.93	NM	NA	3379.30
MW038	05/03/2011	3425.23	45.67	NM	NA	3379.56
MW038	11/02/2011	3425.23	45.63	NM	NA	3379.60
MW038	05/04/2012	3425.23	46.01	NM	NA	3379.22
MW038	10/23/2012	3425.23	46.29	NM	NA	3378.94
MW038	05/02/2013	3425.23	46.51	NM	NA	3378.72
MW038	10/29/2013	3425.23	46.64	NM	NA	3378.59
MW038	05/05/2014	3425.23	46.67	NM	NA	3378.56
MW038	11/03/2014	3425.23	46.29	NM	NA	3378.94
MW038	05/06/2015	3425.23	45.91	NM	NA	3379.32
MW038	09/16/2015	3425.23	45.75	NM	NA	3379.48

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Location ID	Date	Top of Casing (feet amsl)	Depth To Groundwater (feet)	Depth to LNAPL (feet btoc)	LNAPL Thickness (feet)	Groundwater Elevation (feet amsl)
MW038	11/03/2015	3425.23	46.01	NM	NA	3379.22
MW038	05/12/2016	3425.23	45.78	NM	NA	3379.45
MW038	05/03/2017	3425.23	45.12	NM	NA	3380.11
MW039A	08/23/2001	3435.71	57.85	NM	NA	3377.86
MW039A	01/21/2002	3435.71	57.62	NM	NA	3378.09
MW039A	04/04/2002	3435.71	57.71	NM	NA	3378.00
MW039A	09/03/2002	3435.71	57.47	NM	NA	3378.24
MW039A	12/02/2002	3435.71	57.20	NM	NA	3378.51
MW039A	01/30/2003	3435.71	57.20	NM	NA	3378.51
MW039A	03/28/2003	3435.71	57.40	NM	NA	3378.31
MW039A	05/19/2003	3435.71	57.27	NM	NA	3378.44
MW039A	09/09/2003	3435.71	57.43	NM	NA	3378.28
MW039A	12/02/2003	3435.71	57.32	NM	NA	3378.39
MW039A	03/30/2004	3435.71	57.43	NM	NA	3378.28
MW039A	06/07/2004	3435.71	57.52	NM	NA	3378.19
MW039A	09/17/2004	3435.71	57.22	NM	NA	3378.49
MW039A	11/30/2004	3435.71	57.00	NM	NA	3378.71
MW039A	03/31/2005	3435.71	56.54	NM	NA	3379.17
MW039A	05/23/2005	3435.71	56.29	NM	NA	3379.42
MW039A	01/16/2006	3435.71	55.75	NM	NA	3379.96
MW039A	06/19/2006	3435.71	55.41	NM	NA	3380.30
MW039A	04/12/2007	3435.71	55.01	NM	NA	3380.70
MW039A	03/19/2008	3435.71	54.88	NM	NA	3380.83
MW039A	03/11/2009	3435.71	55.14	NM	NA	3380.57
MW039A	03/01/2010	3435.71	55.16	NM	NA	3380.55
MW039A	08/03/2010	3435.71	55.24	NM	NA	3380.47
MW039A	05/06/2011	3435.71	55.08	NM	NA	3380.63
MW039A	11/04/2011	3435.71	55.12	NM	NA	3380.59
MW039A	05/03/2012	3435.71	55.22	NM	NA	3380.49
MW039A	10/24/2012	3435.71	55.40	NM	NA	3380.31
MW039A	05/02/2013	3435.71	55.60	NM	NA	3380.11
MW039A	10/29/2013	3435.71	55.56	NM	NA	3380.15
MW039A	05/05/2014	3435.71	55.64	NM	NA	3380.07
MW039A	11/04/2014	3435.71	55.51	NM	NA	3380.20
MW039A	05/06/2015	3435.71	51.32	NM	NA	3384.39
MW040A	04/04/2002	3422.92	43.70	NM	NA	3379.22
MW040A	09/03/2002	3422.92	43.90	NM	NA	3379.02
MW040A	12/02/2002	3422.92	43.71	NM	NA	3379.21
MW040A	01/31/2003	3422.92	43.71	NM	NA	3379.21
MW040A	03/28/2003	3422.92	43.71	NM	NA	3379.21
MW040A	05/19/2003	3422.92	43.69	NM	NA	3379.23
MW040A	09/09/2003	3422.92	43.69	NM	NA	3379.23
MW040A	12/02/2003	3422.92	43.68	NM	NA	3379.24
MW040A	03/30/2004	3422.92	43.84	NM	NA	3379.08
MW040A	06/07/2004	3422.92	43.97	NM	NA	3378.95
MW040A	09/17/2004	3422.92	43.70	NM	NA	3379.22
MW040A	11/30/2004	3422.92	43.29	NM	NA	3379.63
MW040A	03/31/2005	3422.92	32.79	NM	NA	3390.13
MW040A	05/23/2005	3422.92	42.55	NM	NA	3380.37
MW040A	01/16/2006	3422.92	42.40	NM	NA	3380.52
MW040A	06/16/2006	3422.92	42.10	NM	NA	3380.82
MW040A	04/02/2007	3422.92	41.61	NM	NA	3381.31
MW040A	09/11/2007	3422.92	41.73	NM	NA	3381.19
MW040A	03/18/2008	3422.92	41.51	NM	NA	3381.41
MW040A	08/04/2008	3422.92	41.70	NM	NA	3381.22
MW040A	03/10/2009	3422.92	41.96	NM	NA	3380.96
MW040A	07/28/2009	3422.92	42.17	NM	NA	3380.75
MW040A	03/01/2010	3422.92	42.21	NM	NA	3380.71
MW040A	08/02/2010	3422.92	41.31	NM	NA	3381.61
MW040A	05/03/2011	3422.92	42.25	NM	NA	3380.67
MW040A	11/02/2011	3422.92	42.20	NM	NA	3380.72
MW040A	05/01/2012	3422.92	42.28	NM	NA	3380.64
MW040A	10/24/2012	3422.92	42.57	NM	NA	3380.35
MW040A	05/01/2013	3422.92	42.69	NM	NA	3380.23
MW040A	10/29/2013	3422.92	42.80	NM	NA	3380.12
MW040A	05/05/2014	3422.92	42.91	NM	NA	3380.01
MW040A	11/03/2014	3422.92	42.50	NM	NA	3380.42
MW040A	05/06/2015	3422.92	42.22	NM	NA	3380.70
MW040A	11/03/2015	3422.92	42.22	NM	NA	3380.70
MW040A	05/10/2016	3422.92	42.02	NM	NA	3380.90

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)	Depth to LNAPL (feet btoc)	LNAPL Thickness (feet)	Groundwater Elevation (feet amsl)
MW040A	09/22/2016	3422.92	41.94	NM	NA	3380.98
MW040A	05/02/2017	3422.92	41.35	NM	NA	3381.57
MW040A	09/18/2017	3422.92	41.32	NM	NA	3381.60
MW040A	03/20/2018	3422.92	41.07	NM	NA	3381.85
MW040A	09/13/2018	3422.92	41.2	NM	NA	3381.72
MW040A	04/16/2019	3422.92	40.97	NM	NA	3381.95
MW040A	10/07/2019	3422.92	41.16	NM	NA	3381.76
MW040A	03/09/2020	3422.92	41.23	NM	NA	3381.69
MW040A	03/10/2021	3422.92	41.09	NM	NA	3381.83
MW040A	10/11/2021	3422.92	41.11	NM	NA	3381.81
MW041A	04/29/2002	3418.42	43.22	NM	NA	3375.20
MW041A	05/07/2002	3418.42	43.12	NM	NA	3375.30
MW041A	09/03/2002	3418.42	43.30	NM	NA	3375.12
MW041A	12/02/2002	3418.42	43.04	NM	NA	3375.38
MW041A	01/30/2003	3418.42	43.19	NM	NA	3375.23
MW041A	03/28/2003	3418.42	43.01	NM	NA	3375.41
MW041A	05/19/2003	3418.42	43.08	NM	NA	3375.34
MW041A	09/08/2003	3418.42	43.23	NM	NA	3375.19
MW041A	12/02/2003	3418.42	43.23	NM	NA	3375.19
MW041A	03/30/2004	3418.42	43.38	NM	NA	3375.04
MW041A	06/07/2004	3418.42	43.33	NM	NA	3375.09
MW041A	09/16/2004	3418.42	43.24	NM	NA	3375.18
MW041A	11/29/2004	3418.42	42.97	NM	NA	3375.45
MW041A	03/31/2005	3418.42	42.49	NM	NA	3375.93
MW041A	05/23/2005	3418.42	42.35	NM	NA	3376.07
MW041A	01/17/2006	3418.42	41.90	NM	NA	3376.52
MW041A	06/16/2006	3418.42	41.57	NM	NA	3376.85
MW041A	04/17/2007	3418.42	41.25	NM	NA	3377.17
MW041A	03/19/2008	3418.42	41.20	NM	NA	3377.22
MW041A	03/11/2009	3418.42	41.70	NM	NA	3376.72
MW041A	03/01/2010	3418.42	41.68	NM	NA	3376.74
MW041A	08/02/2010	3418.42	41.85	NM	NA	3376.57
MW041A	05/06/2011	3418.42	41.79	NM	NA	3376.63
MW041A	11/03/2011	3418.42	42.11	NM	NA	3376.31
MW041A	05/08/2012	3418.42	42.05	NM	NA	3376.37
MW041A	10/24/2012	3418.42	42.47	NM	NA	3375.95
MW041A	04/30/2013	3418.42	42.66	NM	NA	3375.76
MW041A	05/05/2014	3418.42	42.90	NM	NA	3375.52
MW041A	11/03/2014	3418.42	42.48	NM	NA	3375.94
MW041A	05/05/2015	3418.42	42.11	NM	NA	3376.31
MW041A	11/02/2015	3418.42	42.18	NM	NA	3376.24
MW041A	05/10/2016	3418.42	41.92	NM	NA	3376.50
MW041A	09/15/2016	3418.42	41.94	NM	NA	3376.48
MW041A	05/02/2017	3418.42	41.46	NM	NA	3376.96
MW041A	09/18/2017	3418.42	41.28	NM	NA	3377.14
MW041A	03/20/2018	3418.42	41.04	NM	NA	3377.38
MW041A	09/12/2018	3418.42	41.26	NM	NA	3377.16
MW041A	04/09/2019	3418.42	40.51	NM	NA	3377.91
MW041A	10/07/2019	3418.42	41.11	NM	NA	3377.31
MW041A	03/09/2020	3418.42	41.09	NM	NA	3377.33
MW041A	03/09/2021	3418.42	40.97	NM	NA	3377.45
MW042A	08/23/2001	3424.75	46.26	NM	NA	3378.49
MW042A	01/21/2002	3424.75	48.30	NM	NA	3376.45
MW042A	04/04/2002	3424.75	48.17	NM	NA	3376.58
MW042A	09/03/2002	3424.75	47.86	NM	NA	3376.89
MW042A	12/02/2002	3424.75	47.75	NM	NA	3377.00
MW042A	01/31/2003	3424.75	47.65	NM	NA	3377.10
MW042A	03/28/2003	3424.75	47.84	NM	NA	3376.91
MW042A	05/19/2003	3424.75	47.84	NM	NA	3376.91
MW042A	09/09/2003	3424.75	48.04	NM	NA	3376.71
MW042A	12/03/2003	3424.75	48.00	NM	NA	3376.75
MW042A	03/30/2004	3424.75	48.31	NM	NA	3376.44
MW042A	06/07/2004	3424.75	48.42	NM	NA	3376.33
MW042A	09/17/2004	3424.75	48.58	NM	NA	3376.17
MW042A	11/29/2004	3424.75	47.24	NM	NA	3377.51
MW042A	03/31/2005	3424.75	47.30	NM	NA	3377.45
MW042A	05/23/2005	3424.75	47.05	NM	NA	3377.70
MW042A	01/17/2006	3424.75	46.02	NM	NA	3378.73
MW042A	06/19/2006	3424.75	45.90	NM	NA	3378.85
MW042A	04/17/2007	3424.75	45.59	NM	NA	3379.16

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Location ID	Date	Top of Casing (feet amsl)	Depth To Groundwater (feet)	Depth to LNAPL (feet btoc)	LNAPL Thickness (feet)	Groundwater Elevation (feet amsl)
MW042A	03/19/2008	3424.75	45.71	NM	NA	3379.04
MW042A	03/11/2009	3424.75	46.15	NM	NA	3378.60
MW042A	03/01/2010	3424.75	46.19	NM	NA	3378.56
MW042A	08/02/2010	3424.75	46.38	NM	NA	3378.37
MW042A	05/06/2011	3424.75	46.00	NM	NA	3378.75
MW042A	11/04/2011	3424.75	46.57	NM	NA	3378.18
MW042A	05/03/2012	3424.75	46.58	NM	NA	3378.17
MW042A	10/24/2012	3424.75	46.91	NM	NA	3377.84
MW042A	05/02/2013	3424.75	46.98	NM	NA	3377.77
MW042A	10/29/2013	3424.75	47.10	NM	NA	3377.65
MW042A	05/05/2014	3424.75	47.16	NM	NA	3377.59
MW042A	11/03/2014	3424.75	46.31	NM	NA	3378.44
MW042A	05/06/2015	3424.75	46.35	NM	NA	3378.40
MW042A	11/03/2015	3424.75	45.80	NM	NA	3378.95
MW042A	05/03/2017	3424.75	45.62	NM	NA	3379.13
MW043	05/07/2002	3423.57	47.61	NM	NA	3375.96
MW043	09/03/2002	3423.57	47.53	NM	NA	3376.04
MW043	12/02/2002	3423.57	47.42	NM	NA	3376.15
MW043	01/30/2003	3423.57	47.38	NM	NA	3376.19
MW043	03/28/2003	3423.57	47.44	NM	NA	3376.13
MW043	05/19/2003	3423.57	47.50	NM	NA	3376.07
MW043	09/08/2003	3423.57	47.64	NM	NA	3375.93
MW043	12/02/2003	3423.57	47.55	NM	NA	3376.02
MW043	03/30/2004	3423.57	47.84	NM	NA	3375.73
MW043	06/07/2004	3423.57	47.82	NM	NA	3375.75
MW043	09/14/2004	3423.57	47.44	NM	NA	3376.13
MW043	11/29/2004	3423.57	46.55	NM	NA	3377.02
MW043	03/31/2005	3423.57	46.49	NM	NA	3377.08
MW043	05/23/2005	3423.57	46.51	NM	NA	3377.06
MW043	01/17/2006	3423.57	44.92	NM	NA	3378.65
MW043	06/14/2006	3423.57	45.45	NM	NA	3378.12
MW043	04/09/2007	3423.57	45.35	NM	NA	3378.22
MW043	03/18/2008	3423.57	45.36	NM	NA	3378.21
MW043	03/10/2009	3423.57	45.85	NM	NA	3377.72
MW043	03/01/2010	3423.57	45.94	NM	NA	3377.63
MW043	07/30/2010	3423.57	46.01	NM	NA	3377.56
MW043	05/04/2011	3423.57	45.58	NM	NA	3377.99
MW043	11/01/2011	3423.57	46.20	NM	NA	3377.37
MW043	05/02/2012	3423.57	46.24	NM	NA	3377.33
MW043	10/24/2012	3423.57	46.58	NM	NA	3376.99
MW043	04/29/2013	3423.57	46.73	NM	NA	3376.84
MW043	10/29/2013	3423.57	47.06	NM	NA	3376.51
MW043	05/05/2014	3423.57	47.01	NM	NA	3376.56
MW043	11/03/2014	3423.57	46.60	NM	NA	3376.97
MW043	05/05/2015	3423.57	46.27	NM	NA	3377.30
MW043	11/02/2015	3423.57	46.33	NM	NA	3377.24
MW043	05/11/2016	3423.57	46.05	NM	NA	3377.52
MW043	09/15/2016	3423.57	46.07	NM	NA	3377.50
MW043	05/01/2017	3423.57	45.32	NM	NA	3378.25
MW043	09/14/2017	3423.57	45.42	NM	NA	3378.15
MW043	03/20/2018	3423.57	45.27	NM	NA	3378.30
MW043	09/11/2018	3423.57	45.47	NM	NA	3378.10
MW043	04/09/2019	3423.57	45.06	NM	NA	3378.51
MW043	10/07/2019	3423.57	45.34	NM	NA	3378.23
MW043	03/09/2020	3423.57	45.2	NM	NA	3378.37
MW043	09/23/2020	3423.57	45.13	NM	NA	3378.44
MW043	03/08/2021	3423.57	45.17	NM	NA	3378.40
MW043	10/11/2021	3423.57	45.35	NM	NA	3378.22
MW044	04/04/2002	3420.41	43.86	NM	NA	3376.55
MW044	09/03/2002	3420.41	43.52	NM	NA	3376.89
MW044	12/02/2002	3420.41	43.47	NM	NA	3376.94
MW044	01/30/2003	3420.41	43.68	NM	NA	3376.73
MW044	03/28/2003	3420.41	43.49	NM	NA	3376.92
MW044	05/19/2003	3420.41	43.58	NM	NA	3376.83
MW044	09/08/2003	3420.41	43.69	NM	NA	3376.72
MW044	12/02/2003	3420.41	43.65	NM	NA	3376.76
MW044	03/30/2004	3420.41	43.90	NM	NA	3376.51
MW044	06/07/2004	3420.41	43.88	NM	NA	3376.53
MW044	09/16/2004	3420.41	43.49	NM	NA	3376.92
MW044	11/29/2004	3420.41	43.06	NM	NA	3377.35

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ARCADIS Design & Consultancy for natural and built assets

Location ID	Date	Top of Casing (feet amsl)	Depth To Groundwater (feet)	Depth to LNAPL (feet btoc)	LNAPL Thickness (feet)	Groundwater Elevation (feet amsl)
MW044	03/31/2005	3420.41	42.59	NM	NA	3377.82
MW044	05/23/2005	3420.41	42.55	NM	NA	3377.86
MW044	01/17/2006	3420.41	41.72	NM	NA	3378.69
MW044	06/19/2006	3420.41	41.59	NM	NA	3378.82
MW044	04/06/2007	3420.41	41.45	NM	NA	3378.96
MW044	03/19/2008	3420.41	41.35	NM	NA	3379.06
MW044	03/11/2009	3420.41	41.89	NM	NA	3378.52
MW044	03/01/2010	3420.41	41.54	NM	NA	3378.87
MW044	08/02/2010	3420.41	41.96	NM	NA	3378.45
MW044	05/04/2011	3420.41	41.79	NM	NA	3378.62
MW044	11/01/2011	3420.41	42.05	NM	NA	3378.36
MW044	10/24/2012	3420.41	42.56	NM	NA	3377.85
MW044	04/30/2013	3420.41	42.70	NM	NA	3377.71
MW044	10/28/2013	3420.41	43.05	NM	NA	3377.36
MW044	05/05/2014	3420.41	43.01	NM	NA	3377.40
MW044	11/03/2014	3420.41	42.55	NM	NA	3377.86
MW044	05/05/2015	3420.41	42.29	NM	NA	3378.12
MW044	11/02/2015	3420.41	42.31	NM	NA	3378.10
MW044	05/11/2016	3420.41	42.04	NM	NA	3378.37
MW044	09/15/2016	3420.41	42.01	NM	NA	3378.40
MW044	05/01/2017	3420.41	41.30	NM	NA	3379.11
MW044	03/20/2018	3420.41	41.17	NM	NA	3379.24
MW045	04/04/2002	3425.53	48.57	NM	NA	3376.96
MW045	09/03/2002	3425.53	48.15	NM	NA	3377.38
MW045	12/02/2002	3425.53	47.94	NM	NA	3377.59
MW045	01/31/2003	3425.53	48.08	NM	NA	3377.45
MW045	03/28/2003	3425.53	48.31	NM	NA	3377.22
MW045	05/19/2003	3425.53	48.11	NM	NA	3377.42
MW045	09/09/2003	3425.53	48.34	NM	NA	3377.19
MW045	12/03/2003	3425.53	48.37	NM	NA	3377.16
MW045	03/30/2004	3425.53	48.44	NM	NA	3377.09
MW045	06/07/2004	3425.53	48.61	NM	NA	3376.92
MW045	09/17/2004	3425.53	48.10	NM	NA	3377.43
MW045	11/30/2004	3425.53	47.60	NM	NA	3377.93
MW045	03/31/2005	3425.53	47.05	NM	NA	3378.48
MW045	05/23/2005	3425.53	46.98	NM	NA	3378.55
MW045	01/17/2006	3425.53	46.36	NM	NA	3379.17
MW045	06/19/2006	3425.53	45.87	NM	NA	3379.66
MW045	04/02/2007	3425.53	45.66	NM	NA	3379.87
MW045	04/17/2007	3425.53	45.73	NM	NA	3379.80
MW045	03/18/2008	3425.53	45.74	NM	NA	3379.79
MW045	03/10/2009	3425.53	46.16	NM	NA	3379.37
MW045	03/01/2010	3425.53	46.40	NM	NA	3379.13
MW045	08/02/2010	3425.53	46.36	NM	NA	3379.17
MW045	05/06/2011	3420.41	46.05	NM	NA	3374.36
MW045	11/02/2011	3425.53	45.92	NM	NA	3379.61
MW045	05/03/2012	3425.53	46.53	NM	NA	3379.00
MW045	10/24/2012	3425.53	46.85	NM	NA	3378.68
MW045	05/02/2013	3425.53	46.93	NM	NA	3378.60
MW045	10/29/2013	3425.53	47.07	NM	NA	3378.46
MW045	05/05/2014	3425.53	47.09	NM	NA	3378.44
MW045	11/04/2014	3425.53	46.84	NM	NA	3378.69
MW045	05/06/2015	3425.53	46.41	NM	NA	3379.12
MW045	09/16/2015	3425.53	46.28	NM	NA	3379.25
MW045	11/03/2015	3425.53	46.55	NM	NA	3378.98
MW045	05/12/2016	3425.53	46.26	NM	NA	3379.27
MW045	05/03/2017	3425.53	45.75	NM	NA	3379.78
MW045	09/18/2017	3425.53	45.71	NM	NA	3379.82
MW045	03/20/2018	3425.53	45.51	NM	NA	3380.02
MW045	09/11/2018	3425.53	45.7	NM	NA	3379.83
MW045	04/10/2019	3425.53	45.35	NM	NA	3380.18
MW045	10/07/2019	3425.53	45.59	NM	NA	3379.94
MW045	03/09/2020	3425.53	45.62	NM	NA	3379.91
MW045	03/12/2021	3425.53	46.57	NM	NA	3378.96
MW045	10/12/2021	3425.53	45.61	NM	NA	3379.92
MW046	04/04/2002	3426.81	49.93	NM	NA	3376.88
MW046	09/03/2002	3426.81	49.37	NM	NA	3377.44
MW046	12/02/2002	3426.81	49.17	NM	NA	3377.64
MW046	01/31/2003	3426.81	49.33	NM	NA	3377.48
MW046	03/28/2003	3426.81	49.66	NM	NA	3377.15

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Location ID	Date	Top of Casing (feet amsl)	Depth To Groundwater (feet)	Depth to LNAPL (feet btoc)	LNAPL Thickness (feet)	Groundwater Elevation (feet amsl)
MW046	05/19/2003	3426.81	49.35	NM	NA	3377.46
MW046	09/09/2003	3426.81	49.67	NM	NA	3377.14
MW046	12/03/2003	3426.81	49.75	NM	NA	3377.06
MW046	03/30/2004	3426.81	49.82	NM	NA	3376.99
MW046	06/07/2004	3426.81	50.05	NM	NA	3376.76
MW046	09/17/2004	3426.81	49.33	NM	NA	3377.48
MW046	11/30/2004	3426.81	48.99	NM	NA	3377.82
MW046	03/31/2005	3426.81	48.36	NM	NA	3378.45
MW046	05/23/2005	3426.81	48.18	NM	NA	3378.63
MW046	01/17/2006	3426.81	47.34	NM	NA	3379.47
MW046	06/19/2006	3426.81	46.87	NM	NA	3379.94
MW046	04/19/2007	3426.81	46.75	NM	NA	3380.06
MW046	03/18/2008	3426.81	46.84	NM	NA	3379.97
MW046	03/11/2009	3426.81	47.33	NM	NA	3379.48
MW046	03/01/2010	3426.81	47.44	NM	NA	3379.37
MW046	08/02/2010	3426.81	46.45	NM	NA	3380.36
MW046	05/06/2011	3426.81	47.20	NM	NA	3379.61
MW046	11/02/2011	3426.81	46.98	NM	NA	3379.83
MW046	05/03/2012	3426.81	47.53	NM	NA	3379.28
MW046	10/24/2012	3426.81	47.79	NM	NA	3379.02
MW046	05/02/2013	3426.81	47.98	NM	NA	3378.83
MW046	10/29/2013	3426.81	48.06	NM	NA	3378.75
MW046	05/05/2014	3426.81	48.07	NM	NA	3378.74
MW046	11/04/2014	3426.81	47.85	NM	NA	3378.96
MW046	05/06/2015	3426.81	47.57	NM	NA	3379.24
MW046	09/16/2015	3426.81	47.35	NM	NA	3379.46
MW046	11/03/2015	3426.81	47.51	NM	NA	3379.30
MW046	05/12/2016	3426.81	47.42	NM	NA	3379.39
MW046	05/03/2017	3426.81	46.88	NM	NA	3379.93
MW046A	01/07/2003	3426.45	50.09	NM	NA	3376.36
MW046A	01/31/2003	3426.45	48.81	NM	NA	3377.64
MW046A	03/28/2003	3426.45	49.06	NM	NA	3377.39
MW046A	05/19/2003	3426.45	48.88	NM	NA	3377.57
MW046A	09/09/2003	3426.45	50.48	NM	NA	3375.97
MW046A	12/03/2003	3426.45	50.54	NM	NA	3375.91
MW046A	03/30/2004	3426.45	50.33	NM	NA	3376.12
MW046A	06/07/2004	3426.45	50.20	NM	NA	3376.25
MW046A	09/17/2004	3426.45	48.83	NM	NA	3377.62
MW046A	11/30/2004	3426.45	48.66	NM	NA	3377.79
MW046A	03/31/2005	3426.45	47.92	NM	NA	3378.53
MW046A	05/23/2005	3426.45	47.75	NM	NA	3378.70
MW046A	01/17/2006	3426.45	46.55	NM	NA	3379.90
MW046A	06/19/2006	3426.45	46.12	NM	NA	3380.33
MW046A	04/17/2007	3426.45	46.35	NM	NA	3380.10
MW046A	03/19/2008	3426.45	46.39	NM	NA	3380.06
MW046A	03/11/2009	3426.45	46.78	NM	NA	3379.67
MW046A	03/01/2010	3426.45	46.95	NM	NA	3379.50
MW046A	08/02/2010	3426.45	46.96	NM	NA	3379.49
MW046A	05/06/2011	3426.45	46.70	NM	NA	3379.75
MW046A	11/04/2011	3426.45	47.05	NM	NA	3379.40
MW046A	05/03/2012	3426.45	47.10	NM	NA	3379.35
MW046A	10/24/2012	3426.45	47.32	NM	NA	3379.13
MW046A	05/02/2013	3426.45	47.50	NM	NA	3378.95
MW046A	10/29/2013	3426.45	47.61	NM	NA	3378.84
MW046A	05/05/2014	3426.45	47.65	NM	NA	3378.80
MW046A	11/04/2014	3426.45	47.40	NM	NA	3379.05
MW046A	05/06/2015	3426.45	47.00	NM	NA	3379.45
MW046A	09/16/2015	3426.45	46.89	NM	NA	3379.56
MW046A	11/03/2015	3426.45	47.09	NM	NA	3379.36
MW046A	05/12/2016	3426.45	46.92	NM	NA	3379.53
MW046A	05/03/2017	3426.45	46.48	NM	NA	3379.97
MW046A	09/18/2017	3426.45	46.33	NM	NA	3380.12
MW046A	03/20/2018	3426.45	46.2	NM	NA	3380.25
MW046A	09/11/2018	3426.45	46.8	NM	NA	3379.65
MW046A	04/10/2019	3426.45	46.00	NM	NA	3380.45
MW046A	10/07/2019	3426.45	46.25	NM	NA	3380.20
MW046A	03/09/2020	3426.45	46.27	NM	NA	3380.18
MW046A	09/24/2020	3426.45	46.21	NM	NA	3380.24
MW046A	03/12/2021	3426.45	46.14	NM	NA	3380.31
MW046A	10/12/2021	3426.45	46.20	NM	NA	3380.25

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Appendix C
Historical Groundwater Elevations
2021 Annual Groundwater Monitoring Report
Former Eunice North Gas Plant
Eunice, Lea County, New Mexico

Location ID	Date	Top of Casing (feet amsl)	Depth To Groundwater (feet)	Depth to LNAPL (feet btoc)	LNAPL Thickness (feet)	Groundwater Elevation (feet amsl)
MW047	04/04/2002	3427.65	49.54	NM	NA	3378.11
MW047	09/03/2002	3427.65	49.40	NM	NA	3378.25
MW047	12/02/2002	3427.65	49.16	NM	NA	3378.49
MW047	01/31/2003	3427.65	49.22	NM	NA	3378.43
MW047	03/28/2003	3427.65	49.29	NM	NA	3378.36
MW047	05/19/2003	3427.65	49.21	NM	NA	3378.44
MW047	09/09/2003	3427.65	49.36	NM	NA	3378.29
MW047	12/03/2003	3427.65	49.38	NM	NA	3378.27
MW047	03/30/2004	3427.65	49.50	NM	NA	3378.15
MW047	06/07/2004	3427.65	49.43	NM	NA	3378.22
MW047	09/17/2004	3427.65	49.20	NM	NA	3378.45
MW047	11/30/2004	3427.65	48.66	NM	NA	3378.99
MW047	03/31/2005	3427.65	47.98	NM	NA	3379.67
MW047	05/23/2005	3427.65	47.90	NM	NA	3379.75
MW047	01/17/2006	3427.65	47.38	NM	NA	3380.27
MW047	06/19/2006	3427.65	47.12	NM	NA	3380.53
MW047	04/16/2007	3427.65	46.73	NM	NA	3380.92
MW047	03/19/2008	3427.65	46.84	NM	NA	3380.81
MW047	03/01/2010	3427.65	47.50	NM	NA	3380.15
MW047	08/03/2010	3427.65	47.58	NM	NA	3380.07
MW047	05/06/2011	3427.65	47.33	NM	NA	3380.32
MW047	11/01/2011	3427.65	47.51	NM	NA	3380.14
MW047	05/22/2012	3427.65	47.65	NM	NA	3380.00
MW047	10/23/2012	3427.65	47.90	NM	NA	3379.75
MW047	05/02/2013	3427.65	48.10	NM	NA	3379.55
MW047	10/29/2013	3427.65	48.22	NM	NA	3379.43
MW047	11/04/2013	3427.65	47.80	NM	NA	3379.85
MW047	05/05/2014	3427.65	48.26	NM	NA	3379.39
MW047	05/06/2015	3427.65	47.55	NM	NA	3380.10
MW047	09/16/2015	3427.65	47.30	NM	NA	3380.35
MW047	11/03/2015	3427.65	47.58	NM	NA	3380.07
MW047	05/12/2016	3427.65	47.38	NM	NA	3380.27
MW047	05/03/2017	3427.65	46.75	NM	NA	3380.90
MW047	09/18/2017	3427.65	46.68	NM	NA	3380.97
MW047	03/20/2018	3427.65	46.51	NM	NA	3381.14
MW047	09/10/2018	3427.65	46.7	NM	NA	3380.95
MW047	04/10/2019	3427.65	46.30	NM	NA	3381.35
MW047	10/07/2019	3427.65	46.60	NM	NA	3381.05
MW047	03/09/2020	3427.65	46.65	NM	NA	3381.00
MW047	09/23/2020	3427.65	46.43	NM	NA	3381.22
MW047	03/08/2021	3427.65	46.55	NM	NA	3381.10
MW047	10/12/2021	3427.65	45.13	NM	NA	3382.52
MW048SA	08/01/2002	3421.10	46.45	NM	NA	3374.65
MW048SA	09/03/2002	3421.10	46.40	NM	NA	3374.70
MW048SA	12/02/2002	3421.10	46.26	NM	NA	3374.84
MW048SA	01/30/2003	3421.10	46.18	NM	NA	3374.92
MW048SA	03/28/2003	3421.10	46.15	NM	NA	3374.95
MW048SA	05/19/2003	3421.10	46.19	NM	NA	3374.91
MW048SA	09/08/2003	3421.10	46.44	NM	NA	3374.66
MW048SA	12/02/2003	3421.10	46.45	NM	NA	3374.65
MW048SA	03/30/2004	3421.10	46.62	NM	NA	3374.48
MW048SA	06/07/2004	3421.10	46.48	NM	NA	3374.62
MW048SA	09/16/2004	3421.10	46.43	NM	NA	3374.67
MW048SA	11/29/2004	3421.10	46.17	NM	NA	3374.93
MW048SA	03/31/2005	3421.10	45.67	NM	NA	3375.43
MW048SA	05/23/2005	3421.10	45.52	NM	NA	3375.58
MW048SA	01/17/2006	3421.10	45.11	NM	NA	3375.99
MW048SA	06/16/2006	3421.10	44.96	NM	NA	3376.14
MW048SA	04/10/2007	3421.10	44.62	NM	NA	3376.48
MW048SA	09/19/2007	3421.10	44.49	NM	NA	3376.61
MW048SA	03/19/2008	3421.10	44.60	NM	NA	3376.50
MW048SA	08/04/2008	3421.10	44.94	NM	NA	3376.16
MW048SA	03/11/2009	3421.10	45.02	NM	NA	3376.08
MW048SA	07/29/2009	3421.10	45.26	NM	NA	3375.84
MW048SA	03/01/2010	3421.10	45.23	NM	NA	3375.87
MW048SA	08/03/2010	3421.10	43.65	NM	NA	3377.45
MW048SA	05/04/2011	3421.10	45.30	NM	NA	3375.80
MW048SA	11/03/2011	3421.10	45.55	NM	NA	3375.55
MW048SA	05/02/2012	3421.10	45.63	NM	NA	3375.47
MW048SA	10/23/2012	3421.10	45.87	NM	NA	3375.23

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Appendix C
Historical Groundwater Elevations
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Former Eunice North 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)	Depth to LNAPL (feet btoc)	LNAPL Thickness (feet)	Groundwater Elevation (feet amsl)
MW048SA	04/30/2013	3421.10	45.99	NM	NA	3375.11
MW048SA	10/28/2013	3421.10	46.26	NM	NA	3374.84
MW048SA	05/05/2014	3421.10	46.17	NM	NA	3374.93
MW048SA	11/03/2014	3421.10	45.94	NM	NA	3375.16
MW048SA	05/05/2015	3421.10	45.48	NM	NA	3375.62
MW048SA	09/03/2015	3421.10	45.51	NM	NA	3375.59
MW048SA	11/03/2015	3421.10	45.60	NM	NA	3375.50
MW048SA	05/10/2016	3421.10	45.28	NM	NA	3375.82
MW048SA	09/22/2016	3421.10	45.31	NM	NA	3375.79
MW048SA	05/01/2017	3421.10	44.56	NM	NA	3376.54
MW048SA	09/14/2017	3421.10	44.47	NM	NA	3376.63
MW048SA	03/20/2018	3421.10	44.2	NM	NA	3376.90
MW048SA	09/12/2018	3421.10	44.4	NM	NA	3376.70
MW048SA	04/09/2019	3421.10	44.09	NM	NA	3377.01
MW048SA	10/07/2019	3421.10	44.43	NM	NA	3376.67
MW048SA	03/09/2020	3421.10	44.42	NM	NA	3376.68
MW048SA	03/09/2021	3421.10	44.47	NM	NA	3376.63
MW048SA	10/11/2021	3421.10	44.63	NM	NA	3376.47
MW049SA	07/30/2002	3422.46	49.31	NM	NA	3373.15
MW049SA	09/03/2002	3422.46	49.29	NM	NA	3373.17
MW049SA	12/02/2002	3422.46	49.18	NM	NA	3373.28
MW049SA	01/30/2003	3422.46	49.13	NM	NA	3373.33
MW049SA	03/28/2003	3422.46	49.09	NM	NA	3373.37
MW049SA	05/19/2003	3422.46	49.08	NM	NA	3373.38
MW049SA	09/08/2003	3422.46	49.32	NM	NA	3373.14
MW049SA	12/02/2003	3422.46	49.32	NM	NA	3373.14
MW049SA	03/30/2004	3422.46	49.42	NM	NA	3373.04
MW049SA	06/07/2004	3422.46	48.57	NM	NA	3373.89
MW049SA	09/16/2004	3422.46	49.36	NM	NA	3373.10
MW049SA	11/29/2004	3422.46	49.16	NM	NA	3373.30
MW049SA	03/31/2005	3422.46	48.65	NM	NA	3373.81
MW049SA	05/23/2005	3422.46	48.59	NM	NA	3373.87
MW049SA	01/17/2006	3422.46	48.19	NM	NA	3374.27
MW049SA	06/16/2006	3422.46	47.97	NM	NA	3374.49
MW049SA	04/10/2007	3422.46	47.62	NM	NA	3374.84
MW049SA	03/19/2008	3422.46	47.53	NM	NA	3374.93
MW049SA	03/11/2009	3422.46	47.95	NM	NA	3374.51
MW049SA	03/01/2010	3422.46	48.12	NM	NA	3374.34
MW049SA	08/03/2010	3422.46	48.21	NM	NA	3374.25
MW049SA	05/04/2011	3422.46	48.16	NM	NA	3374.30
MW049SA	11/03/2011	3422.46	48.48	NM	NA	3373.98
MW049SA	05/02/2012	3422.46	48.48	NM	NA	3373.98
MW049SA	10/23/2012	3422.46	48.78	NM	NA	3373.68
MW049SA	04/30/2013	3422.46	48.90	NM	NA	3373.56
MW049SA	10/28/2013	3422.46	49.10	NM	NA	3373.36
MW049SA	05/05/2014	3422.46	49.00	NM	NA	3373.46
MW049SA	11/03/2014	3422.46	48.96	NM	NA	3373.50
MW049SA	05/05/2015	3422.46	48.35	NM	NA	3374.11
MW049SA	09/03/2015	3422.46	48.50	NM	NA	3373.96
MW049SA	11/03/2015	3422.46	48.41	NM	NA	3374.05
MW049SA	05/10/2016	3422.46	48.11	NM	NA	3374.35
MW049SA	09/15/2016	3422.46	48.30	NM	NA	3374.16
MW049SA	05/01/2017	3422.46	47.62	NM	NA	3374.84
MW049SA	09/14/2017	3422.46	47.57	NM	NA	3374.89
MW049SA	03/20/2018	3422.46	47.35	NM	NA	3375.11
MW049SA	09/12/2018	3422.46	44.78	NM	NA	3377.68
MW049SA	04/09/2019	3422.46	47.15	NM	NA	3375.31
MW049SA	10/07/2019	3422.46	42.44	NM	NA	3380.02
MW049SA	03/09/2020	3422.46	47.4	NM	NA	3375.06
MW049SA	09/23/2020	3422.46	47.53	NM	NA	3374.93
MW049SA	03/09/2021	3422.46	47.49	NM	NA	3374.97
MW049SA	10/11/2021	3422.46	47.68	NM	NA	3374.78
MW050SA	07/30/2002	3419.31	46.30	NM	NA	3373.01
MW050SA	09/03/2002	3419.31	46.19	NM	NA	3373.12
MW050SA	12/02/2002	3419.31	45.93	NM	NA	3373.38
MW050SA	01/30/2003	3419.31	45.92	NM	NA	3373.39
MW050SA	03/28/2003	3419.31	45.92	NM	NA	3373.39
MW050SA	05/19/2003	3419.31	46.01	NM	NA	3373.30
MW050SA	09/08/2003	3419.31	46.13	NM	NA	3373.18
MW050SA	12/02/2003	3419.31	46.05	NM	NA	3373.26

Appendix C
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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)	Depth to LNAPL (feet btoc)	LNAPL Thickness (feet)	Groundwater Elevation (feet amsl)
MW050SA	03/30/2004	3419.31	46.15	NM	NA	3373.16
MW050SA	06/07/2004	3419.31	46.18	NM	NA	3373.13
MW050SA	09/14/2004	3419.31	46.18	NM	NA	3373.13
MW050SA	11/29/2004	3419.31	45.80	NM	NA	3373.51
MW050SA	03/31/2005	3419.31	45.34	NM	NA	3373.97
MW050SA	05/23/2005	3419.31	45.26	NM	NA	3374.05
MW050SA	01/17/2006	3419.31	44.95	NM	NA	3374.36
MW050SA	06/14/2006	3419.31	44.71	NM	NA	3374.60
MW050SA	04/09/2007	3419.31	44.28	NM	NA	3375.03
MW050SA	03/19/2008	3419.31	44.25	NM	NA	3375.06
MW050SA	03/11/2009	3419.31	44.78	NM	NA	3374.53
MW050SA	03/01/2010	3419.31	44.82	NM	NA	3374.49
MW050SA	07/30/2010	3419.31	45.02	NM	NA	3374.29
MW050SA	05/04/2011	3419.31	44.84	NM	NA	3374.47
MW050SA	11/04/2011	3419.31	45.24	NM	NA	3374.07
MW050SA	05/02/2012	3419.31	45.48	NM	NA	3373.83
MW050SA	10/24/2012	3419.31	45.70	NM	NA	3373.61
MW050SA	04/29/2013	3419.31	45.84	NM	NA	3373.47
MW050SA	10/28/2013	3419.31	45.95	NM	NA	3373.36
MW050SA	05/05/2014	3419.31	46.10	NM	NA	3373.21
MW050SA	11/03/2014	3419.31	45.70	NM	NA	3373.61
MW050SA	05/05/2015	3419.31	45.23	NM	NA	3374.08
MW050SA	09/03/2015	3419.31	45.37	NM	NA	3373.94
MW050SA	11/03/2015	3419.31	45.30	NM	NA	3374.01
MW050SA	05/11/2016	3419.31	44.29	NM	NA	3375.02
MW050SA	09/15/2016	3419.31	45.12	NM	NA	3374.19
MW050SA	05/01/2017	3419.31	44.64	NM	NA	3374.67
MW050SA	09/14/2017	3419.31	44.5	NM	NA	3374.81
MW050SA	03/20/2018	3419.31	44.33	NM	NA	3374.98
MW050SA	09/12/2018	3419.31	44.6	NM	NA	3374.71
MW050SA	04/09/2019	3419.31	44.00	NM	NA	3375.31
MW050SA	10/07/2019	3419.31	44.22	NM	NA	3375.09
MW050SA	03/09/2020	3419.31	44.06	NM	NA	3375.25
MW050SA	09/24/2020	3419.31	44.34	NM	NA	3374.97
MW050SA	03/08/2021	3419.31	44.20	NM	NA	3375.11
MW050SA	10/11/2021	3419.31	44.41	NM	NA	3374.90
MW051SA	10/10/2002	3415.42	44.50	NM	NA	3370.92
MW051SA	12/02/2002	3415.42	44.43	NM	NA	3370.99
MW051SA	01/30/2003	3415.42	44.38	NM	NA	3371.04
MW051SA	03/28/2003	3415.42	44.39	NM	NA	3371.03
MW051SA	05/19/2003	3415.42	44.40	NM	NA	3371.02
MW051SA	09/08/2003	3415.42	44.55	NM	NA	3370.87
MW051SA	12/02/2003	3415.42	44.53	NM	NA	3370.89
MW051SA	03/30/2004	3415.42	44.59	NM	NA	3370.83
MW051SA	06/07/2004	3415.42	44.53	NM	NA	3370.89
MW051SA	09/14/2004	3415.42	44.58	NM	NA	3370.84
MW051SA	03/31/2005	3415.42	44.04	NM	NA	3371.38
MW051SA	05/23/2005	3415.42	43.95	NM	NA	3371.47
MW051SA	01/17/2006	3415.42	43.70	NM	NA	3371.72
MW051SA	06/15/2006	3415.42	43.47	NM	NA	3371.95
MW051SA	04/17/2007	3415.42	43.09	NM	NA	3372.33
MW051SA	03/19/2008	3415.42	43.04	NM	NA	3372.38
MW051SA	03/11/2009	3415.42	43.48	NM	NA	3371.94
MW051SA	03/01/2010	3415.42	43.53	NM	NA	3371.89
MW051SA	08/03/2010	3415.42	43.65	NM	NA	3371.77
MW051SA	11/03/2011	3415.42	43.72	NM	NA	3371.70
MW051SA	05/02/2012	3415.42	46.19	NM	NA	3369.23
MW051SA	10/23/2012	3415.42	44.22	NM	NA	3371.20
MW051SA	04/30/2013	3415.42	44.31	NM	NA	3371.11
MW051SA	10/28/2013	3415.42	44.45	NM	NA	3370.97
MW051SA	05/05/2014	3415.42	44.46	NM	NA	3370.96
MW051SA	11/03/2014	3415.42	44.24	NM	NA	3371.18
MW051SA	05/05/2015	3415.42	43.81	NM	NA	3371.61
MW051SA	09/03/2015	3415.42	43.88	NM	NA	3371.54
MW051SA	11/03/2015	3415.42	43.90	NM	NA	3371.52
MW051SA	05/11/2016	3415.42	43.57	NM	NA	3371.85
MW051SA	09/15/2016	3415.42	43.66	NM	NA	3371.76
MW051SA	05/01/2017	3415.42	43.12	NM	NA	3372.30
MW051SA	09/14/2017	3415.42	43.16	NM	NA	3372.26
MW051SA	03/20/2018	3415.42	42.98	NM	NA	3372.44

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)	Depth to LNAPL (feet btoc)	LNAPL Thickness (feet)	Groundwater Elevation (feet amsl)
MW051SA	09/12/2018	3415.42	43.27	NM	NA	3372.15
MW051SA	04/09/2019	3415.42	42.58	NM	NA	3372.84
MW051SA	10/07/2019	3415.42	43	NM	NA	3372.42
MW051SA	03/09/2020	3415.42	42.82	NM	NA	3372.60
MW051SA	03/08/2021	3415.42	42.97	NM	NA	3372.45
MW051SA	10/11/2021	3415.42	43.16	NM	NA	3372.26
MW052SA	10/10/2002	3415.23	45.45	NM	NA	3369.78
MW052SA	12/02/2002	3415.23	45.39	NM	NA	3369.84
MW052SA	01/30/2003	3415.23	45.35	NM	NA	3369.88
MW052SA	03/28/2003	3415.23	45.36	NM	NA	3369.87
MW052SA	05/19/2003	3415.23	45.28	NM	NA	3369.95
MW052SA	09/08/2003	3415.23	45.51	NM	NA	3369.72
MW052SA	12/02/2003	3415.23	45.52	NM	NA	3369.71
MW052SA	03/30/2004	3415.23	45.58	NM	NA	3369.65
MW052SA	06/07/2004	3415.23	45.85	NM	NA	3369.38
MW052SA	09/14/2004	3415.23	45.58	NM	NA	3369.65
MW052SA	11/29/2004	3415.23	45.43	NM	NA	3369.80
MW052SA	03/31/2005	3415.23	45.05	NM	NA	3370.18
MW052SA	05/23/2005	3415.23	45.02	NM	NA	3370.21
MW052SA	01/17/2006	3415.23	44.72	NM	NA	3370.51
MW052SA	06/16/2006	3415.23	44.59	NM	NA	3370.64
MW052SA	04/10/2007	3415.23	44.34	NM	NA	3370.89
MW052SA	03/19/2008	3415.23	44.24	NM	NA	3370.99
MW052SA	03/11/2009	3415.23	44.54	NM	NA	3370.69
MW052SA	03/01/2010	3415.23	44.72	NM	NA	3370.51
MW052SA	08/03/2010	3415.23	44.78	NM	NA	3370.45
MW052SA	05/03/2011	3415.23	44.76	NM	NA	3370.47
MW052SA	11/03/2011	3415.23	45.03	NM	NA	3370.20
MW052SA	05/02/2012	3415.23	44.95	NM	NA	3370.28
MW052SA	10/23/2012	3415.23	45.21	NM	NA	3370.02
MW052SA	04/29/2013	3415.23	45.22	NM	NA	3370.01
MW052SA	10/28/2013	3415.23	45.54	NM	NA	3369.69
MW052SA	05/05/2014	3415.23	45.30	NM	NA	3369.93
MW052SA	11/03/2014	3415.23	45.36	NM	NA	3369.87
MW052SA	05/05/2015	3415.23	44.88	NM	NA	3370.35
MW052SA	09/03/2015	3415.23	44.99	NM	NA	3370.24
MW052SA	11/03/2015	3415.23	44.93	NM	NA	3370.30
MW052SA	05/10/2016	3415.23	44.65	NM	NA	3370.58
MW052SA	09/15/2016	3415.23	42.80	NM	NA	3372.43
MW052SA	05/01/2017	3415.23	44.23	NM	NA	3371.00
MW052SA	09/14/2017	3415.23	44.25	NM	NA	3370.98
MW052SA	03/20/2018	3415.23	44.06	NM	NA	3371.17
MW052SA	09/12/2018	3415.23	44.33	NM	NA	3370.90
MW052SA	04/09/2019	3415.23	43.91	NM	NA	3371.32
MW052SA	10/07/2019	3415.23	44.21	NM	NA	3371.02
MW052SA	03/09/2020	3415.23	44.12	NM	NA	3371.11
MW052SA	03/10/2021	3415.23	44.3	NM	NA	3370.93
MW052SA	10/11/2021	3415.23	44.51	NM	NA	3370.72
MW053SA	09/18/2002	3413.86	42.93	NM	NA	3370.93
MW053SA	12/02/2002	3413.86	42.80	NM	NA	3371.06
MW053SA	01/30/2003	3413.86	42.68	NM	NA	3371.18
MW053SA	03/28/2003	3413.86	42.68	NM	NA	3371.18
MW053SA	05/19/2003	3413.86	42.65	NM	NA	3371.21
MW053SA	09/08/2003	3413.86	43.09	NM	NA	3370.77
MW053SA	12/02/2003	3413.86	43.12	NM	NA	3370.74
MW053SA	03/30/2004	3413.86	43.15	NM	NA	3370.71
MW053SA	06/07/2004	3413.86	43.04	NM	NA	3370.82
MW053SA	09/16/2004	3413.86	43.09	NM	NA	3370.77
MW053SA	11/29/2004	3413.86	42.74	NM	NA	3371.12
MW053SA	03/31/2005	3413.86	42.13	NM	NA	3371.73
MW053SA	05/23/2005	3413.86	41.97	NM	NA	3371.89
MW053SA	01/17/2006	3413.86	41.61	NM	NA	3372.25
MW053SA	06/16/2006	3413.86	41.67	NM	NA	3372.19
MW053SA	04/05/2007	3413.86	41.32	NM	NA	3372.54
MW053SA	09/19/2007	3413.86	41.20	NM	NA	3372.66
MW053SA	03/18/2008	3413.86	41.30	NM	NA	3372.56
MW053SA	08/04/2008	3413.86	41.76	NM	NA	3372.10
MW053SA	03/10/2009	3413.86	41.60	NM	NA	3372.26
MW053SA	07/28/2009	3413.86	41.97	NM	NA	3371.89
MW053SA	03/01/2010	3413.86	41.92	NM	NA	3371.94

Appendix C
Historical Groundwater Elevations
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Location ID	Date	Top of Casing (feet amsl)	Depth To Groundwater (feet)	Depth to LNAPL (feet btoc)	LNAPL Thickness (feet)	Groundwater Elevation (feet amsl)
MW053SA	07/30/2010	3413.86	41.98	NM	NA	3371.88
MW053SA	05/03/2011	3413.86	42.05	NM	NA	3371.81
MW053SA	11/03/2011	3413.86	42.39	NM	NA	3371.47
MW053SA	05/02/2012	3413.86	42.39	NM	NA	3371.47
MW053SA	10/23/2012	3413.86	42.65	NM	NA	3371.21
MW053SA	04/30/2013	3413.86	42.60	NM	NA	3371.26
MW053SA	10/29/2013	3413.86	43.00	NM	NA	3370.86
MW053SA	05/05/2014	3413.86	42.68	NM	NA	3371.18
MW053SA	11/03/2014	3413.86	42.67	NM	NA	3371.19
MW053SA	05/05/2015	3413.86	42.03	NM	NA	3371.83
MW053SA	09/03/2015	3413.86	42.26	NM	NA	3371.60
MW053SA	11/03/2015	3413.86	42.20	NM	NA	3371.66
MW053SA	04/10/2019	3413.86	40.68	NM	NA	3373.18
MW053SA	03/16/2021	3413.86	NM	NM	NA	NM
MW053SA	10/11/2021	3413.86	41.68	NM	NA	NM
MW054SA	01/30/2003	3411.38	45.21	NM	NA	3366.17
MW054SA	03/28/2003	3411.38	45.09	NM	NA	3366.29
MW054SA	05/19/2003	3411.38	45.09	NM	NA	3366.29
MW054SA	09/08/2003	3411.38	45.43	NM	NA	3365.95
MW054SA	12/02/2003	3411.38	45.41	NM	NA	3365.97
MW054SA	03/30/2004	3411.38	45.46	NM	NA	3365.92
MW054SA	06/07/2004	3411.38	45.37	NM	NA	3366.01
MW054SA	09/14/2004	3411.38	42.48	NM	NA	3368.90
MW054SA	11/29/2004	3411.38	45.26	NM	NA	3366.12
MW054SA	03/31/2005	3411.38	44.90	NM	NA	3366.48
MW054SA	05/23/2005	3411.38	44.81	NM	NA	3366.57
MW054SA	01/17/2006	3411.38	44.68	NM	NA	3366.70
MW054SA	06/16/2006	3411.38	44.73	NM	NA	3366.65
MW054SA	04/10/2007	3411.38	44.57	NM	NA	3366.81
MW054SA	09/19/2007	3411.38	44.63	NM	NA	3366.75
MW054SA	03/19/2008	3411.38	44.59	NM	NA	3366.79
MW054SA	08/04/2008	3411.38	44.84	NM	NA	3366.54
MW054SA	03/11/2009	3411.38	44.74	NM	NA	3366.64
MW054SA	07/29/2009	3411.38	44.93	NM	NA	3366.45
MW054SA	03/01/2010	3411.38	44.87	NM	NA	3366.51
MW054SA	08/03/2010	3411.38	44.89	NM	NA	3366.49
MW054SA	05/03/2011	3411.38	44.92	NM	NA	3366.46
MW054SA	11/03/2011	3411.38	45.10	NM	NA	3366.28
MW054SA	05/02/2012	3411.38	45.01	NM	NA	3366.37
MW054SA	10/23/2012	3411.38	45.14	NM	NA	3366.24
MW054SA	04/29/2013	3411.38	45.10	NM	NA	3366.28
MW054SA	10/28/2013	3411.38	45.32	NM	NA	3366.06
MW054SA	05/05/2014	3411.38	45.11	NM	NA	3366.27
MW054SA	11/03/2014	3411.38	45.23	NM	NA	3366.15
MW054SA	05/05/2015	3411.38	44.87	NM	NA	3366.51
MW054SA	11/03/2015	3411.38	44.95	NM	NA	3366.43
MW054SA	05/10/2016	3411.38	44.71	NM	NA	3366.67
MW054SA	09/22/2016	3411.38	44.87	NM	NA	3366.51
MW054SA	05/01/2017	3411.38	44.49	NM	NA	3366.89
MW054SA	09/14/2017	3411.38	44.59	NM	NA	3366.79
MW054SA	03/20/2018	3411.38	44.38	NM	NA	3367.00
MW054SA	09/12/2018	3411.38	44.65	NM	NA	3366.73
MW054SA	04/09/2019	3411.38	44.03	NM	NA	3367.35
MW054SA	10/07/2019	3411.38	44.55	NM	NA	3366.83
MW054SA	03/09/2020	3411.38	44.26	NM	NA	3367.12
MW054SA	09/23/2020	3411.38	44.64	NM	NA	3366.74
MW054SA	03/08/2021	3411.38	44.69	NM	NA	3366.69
MW054SA	10/11/2021	3411.38	44.83	NM	NA	3366.55
MW055SA	01/06/2003	3407.43	41.20	NM	NA	3366.23
MW055SA	01/30/2003	3407.43	41.00	NM	NA	3366.43
MW055SA	03/27/2003	3407.43	41.15	NM	NA	3366.28
MW055SA	05/19/2003	3407.43	41.00	NM	NA	3366.43
MW055SA	09/08/2003	3407.43	41.13	NM	NA	3366.30
MW055SA	12/02/2003	3407.43	41.09	NM	NA	3366.34
MW055SA	03/30/2004	3407.43	41.12	NM	NA	3366.31
MW055SA	06/07/2004	3407.43	41.02	NM	NA	3366.41
MW055SA	09/14/2004	3407.43	41.18	NM	NA	3366.25
MW055SA	11/29/2004	3407.43	41.08	NM	NA	3366.35
MW055SA	03/31/2005	3407.43	40.90	NM	NA	3366.53
MW055SA	05/23/2005	3407.43	40.82	NM	NA	3366.61

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ARCADIS Design & Consultancy for natural and built assets

Location ID	Date	Top of Casing (feet amsl)	Depth To Groundwater (feet)	Depth to LNAPL (feet btoc)	LNAPL Thickness (feet)	Groundwater Elevation (feet amsl)
MW055SA	01/17/2006	3407.43	40.76	NM	NA	3366.67
MW055SA	06/15/2006	3407.43	40.68	NM	NA	3366.75
MW055SA	04/10/2007	3407.43	40.63	NM	NA	3366.80
MW055SA	09/19/2007	3407.43	40.56	NM	NA	3366.87
MW055SA	03/19/2008	3407.43	40.68	NM	NA	3366.75
MW055SA	08/04/2008	3407.43	40.75	NM	NA	3366.68
MW055SA	03/11/2009	3407.43	40.79	NM	NA	3366.64
MW055SA	07/29/2009	3407.43	40.85	NM	NA	3366.58
MW055SA	03/01/2010	3407.43	40.87	NM	NA	3366.56
MW055SA	07/30/2010	3407.43	40.76	NM	NA	3366.67
MW055SA	05/03/2011	3407.43	40.84	NM	NA	3366.59
MW055SA	11/03/2011	3407.43	40.90	NM	NA	3366.53
MW055SA	05/02/2012	3407.43	40.85	NM	NA	3366.58
MW055SA	10/23/2012	3407.43	40.93	NM	NA	3366.50
MW055SA	04/29/2013	3407.43	40.93	NM	NA	3366.50
MW055SA	10/28/2013	3407.43	41.08	NM	NA	3366.35
MW055SA	05/05/2014	3407.43	40.97	NM	NA	3366.46
MW055SA	11/03/2014	3407.43	40.93	NM	NA	3366.50
MW055SA	05/05/2015	3407.43	40.81	NM	NA	3366.62
MW055SA	11/02/2015	3407.43	40.84	NM	NA	3366.59
MW055SA	05/11/2016	3407.43	40.69	NM	NA	3366.74
MW055SA	09/15/2016	3407.43	40.75	NM	NA	3366.68
MW055SA	05/01/2017	3407.43	40.55	NM	NA	3366.88
MW055SA	09/14/2017	3407.43	40.54	NM	NA	3366.89
MW055SA	03/20/2018	3407.43	40.59	NM	NA	3366.84
MW055SA	09/12/2018	3407.43	40.75	NM	NA	3366.68
MW055SA	04/09/2019	3407.43	40.51	NM	NA	3366.92
MW055SA	10/07/2019	3407.43	40.76	NM	NA	3366.67
MW055SA	03/09/2020	3407.43	40.57	NM	NA	3366.86
MW055SA	03/09/2021	3407.43	40.7	NM	NA	3366.73
MW055SA	10/11/2021	3407.43	47.27	NM	NA	3360.16
MW056SA	01/07/2003	3410.71	46.32	NM	NA	3364.39
MW056SA	01/30/2003	3410.71	46.21	NM	NA	3364.50
MW056SA	03/28/2003	3410.71	46.20	NM	NA	3364.51
MW056SA	05/19/2003	3410.71	46.18	NM	NA	3364.53
MW056SA	09/08/2003	3410.71	46.31	NM	NA	3364.40
MW056SA	12/02/2003	3410.71	46.33	NM	NA	3364.38
MW056SA	03/30/2004	3410.71	46.40	NM	NA	3364.31
MW056SA	06/07/2004	3410.71	46.31	NM	NA	3364.40
MW056SA	09/14/2004	3410.71	46.38	NM	NA	3364.33
MW056SA	11/29/2004	3410.71	46.31	NM	NA	3364.40
MW056SA	03/31/2005	3410.71	46.01	NM	NA	3364.70
MW056SA	05/23/2005	3410.71	45.93	NM	NA	3364.78
MW056SA	01/17/2006	3410.71	45.62	NM	NA	3365.09
MW056SA	06/15/2006	3410.71	45.42	NM	NA	3365.29
MW056SA	04/11/2007	3410.71	44.91	NM	NA	3365.80
MW056SA	09/20/2007	3410.71	44.67	NM	NA	3366.04
MW056SA	03/19/2008	3410.71	44.69	NM	NA	3366.02
MW056SA	08/04/2008	3410.71	44.79	NM	NA	3365.92
MW056SA	03/11/2009	3410.71	44.92	NM	NA	3365.79
MW056SA	07/29/2009	3410.71	44.93	NM	NA	3365.78
MW056SA	03/01/2010	3410.71	44.94	NM	NA	3365.77
MW056SA	07/30/2010	3410.71	44.88	NM	NA	3365.83
MW056SA	11/04/2011	3410.71	45.14	NM	NA	3365.57
MW056SA	05/02/2012	3410.71	45.16	NM	NA	3365.55
MW056SA	10/23/2012	3410.71	43.30	NM	NA	3367.41
MW056SA	04/29/2013	3410.71	43.36	NM	NA	3367.35
MW056SA	10/29/2013	3410.71	43.65	NM	NA	3367.06
MW056SA	05/05/2014	3410.71	43.44	NM	NA	3367.27
MW056SA	11/03/2014	3410.71	43.28	NM	NA	3367.43
MW056SA	05/05/2015	3410.71	43.02	NM	NA	3367.69
MW056SA	11/02/2015	3410.71	43.00	NM	NA	3367.71
MW056SA	05/11/2016	3410.71	42.73	NM	NA	3367.98
MW056SA	09/15/2016	3410.71	42.71	NM	NA	3368.00
MW056SA	05/01/2017	3410.71	42.17	NM	NA	3368.54
MW056SA	09/20/2017	3410.71	42.31	NM	NA	3368.40
MW056SA	03/20/2018	3410.71	42.08	NM	NA	3368.63
MW056SA	09/12/2018	3410.71	42.31	NM	NA	3368.40
MW056SA	04/09/2019	3410.71	40.95	NM	NA	3369.76
MW056SA	10/07/2019	3410.71	42.07	NM	NA	3368.64

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Location ID	Date	Top of Casing (feet amsl)	Depth To Groundwater (feet)	Depth to LNAPL (feet btoc)	LNAPL Thickness (feet)	Groundwater Elevation (feet amsl)
MW056SA	03/09/2020	3410.71	41.95	NM	NA	3368.76
MW056SA	09/23/2020	3410.71	42.02	NM	NA	3368.69
MW056SA	03/22/2021	3410.71	42.11	NM	NA	3368.60
MW056SA	10/11/2021	3410.71	42.31	NM	NA	3368.40
MW057SA	01/30/2003	3417.74	46.33	NM	NA	3371.41
MW057SA	03/28/2003	3417.74	46.45	NM	NA	3371.29
MW057SA	05/19/2003	3417.74	46.59	NM	NA	3371.15
MW057SA	09/08/2003	3417.74	46.72	NM	NA	3371.02
MW057SA	12/02/2003	3417.74	46.65	NM	NA	3371.09
MW057SA	03/30/2004	3417.74	46.70	NM	NA	3371.04
MW057SA	06/07/2004	3417.74	46.75	NM	NA	3370.99
MW057SA	09/14/2004	3417.74	46.58	NM	NA	3371.16
MW057SA	11/30/2004	3417.74	46.00	NM	NA	3371.74
MW057SA	03/31/2005	3417.74	45.77	NM	NA	3371.97
MW057SA	05/23/2005	3417.74	45.73	NM	NA	3372.01
MW057SA	01/17/2006	3417.74	45.53	NM	NA	3372.21
MW057SA	06/14/2006	3417.74	45.50	NM	NA	3372.24
MW057SA	03/29/2007	3417.74	44.91	NM	NA	3372.83
MW057SA	09/11/2007	3417.74	44.96	NM	NA	3372.78
MW057SA	03/18/2008	3417.74	45.05	NM	NA	3372.69
MW057SA	08/04/2008	3417.74	45.34	NM	NA	3372.40
MW057SA	03/10/2009	3417.74	45.58	NM	NA	3372.16
MW057SA	07/28/2009	3417.74	45.58	NM	NA	3372.16
MW057SA	03/01/2010	3417.74	45.47	NM	NA	3372.27
MW057SA	07/30/2010	3417.74	45.76	NM	NA	3371.98
MW057SA	11/02/2011	3417.74	45.83	NM	NA	3371.91
MW057SA	05/17/2012	3417.74	46.14	NM	NA	3371.60
MW057SA	10/23/2012	3417.74	46.51	NM	NA	3371.23
MW057SA	04/29/2013	3417.74	46.50	NM	NA	3371.24
MW057SA	10/28/2013	3417.74	46.60	NM	NA	3371.14
MW057SA	05/05/2014	3417.74	46.71	NM	NA	3371.03
MW057SA	11/03/2014	3417.74	46.19	NM	NA	3371.55
MW057SA	05/05/2015	3417.74	45.81	NM	NA	3371.93
MW057SA	11/02/2015	3417.74	45.95	NM	NA	3371.79
MW057SA	05/11/2016	3417.74	45.74	NM	NA	3372.00
MW057SA	09/15/2016	3417.74	45.76	NM	NA	3371.98
MW057SA	05/01/2017	3417.74	45.26	NM	NA	3372.48
MW057SA	09/14/2017	3417.74	45.64	NM	NA	3372.10
MW057SA	03/20/2018	3417.74	45.17	NM	NA	3372.57
MW057SA	09/12/2018	3417.74	45.59	NM	NA	3372.15
MW057SA	04/09/2019	3417.74	44.86	NM	NA	3372.88
MW057SA	10/07/2019	3417.74	45.14	NM	NA	3372.60
MW057SA	03/09/2020	3417.74	44.95	NM	NA	3372.79
MW057SA	09/23/2020	3417.74	45.06	NM	NA	3372.68
MW057SA	03/08/2021	3417.74	45.06	NM	NA	3372.68
MW057SA	10/11/2021	3417.74	45.25	NM	NA	3372.49
MW058	01/31/2003	3437.13	58.49	NM	NA	3378.64
MW058	03/27/2003	3437.13	58.49	NM	NA	3378.64
MW058	05/19/2003	3437.13	58.52	NM	NA	3378.61
MW058	09/09/2003	3437.13	58.57	NM	NA	3378.56
MW058	12/02/2003	3437.13	58.44	NM	NA	3378.69
MW058	03/30/2004	3437.13	58.51	NM	NA	3378.62
MW058	06/07/2004	3437.13	58.50	NM	NA	3378.63
MW058	09/16/2004	3437.13	58.42	NM	NA	3378.71
MW058	11/29/2004	3437.13	58.43	NM	NA	3378.70
MW058	03/31/2005	3437.13	59.08	NM	NA	3378.05
MW058	05/23/2005	3437.13	57.84	NM	NA	3379.29
MW058	01/17/2006	3437.13	57.43	NM	NA	3379.70
MW058	06/14/2006	3437.13	57.10	NM	NA	3380.03
MW058	04/23/2007	3437.13	56.20	NM	NA	3380.93
MW058	09/13/2007	3437.13	56.58	NM	NA	3380.55
MW058	03/19/2008	3437.13	56.46	NM	NA	3380.67
MW058	08/04/2008	3437.13	56.47	NM	NA	3380.66
MW058	03/11/2009	3437.13	56.52	NM	NA	3380.61
MW058	07/29/2009	3437.13	56.56	NM	NA	3380.57
MW058	03/01/2010	3437.13	56.65	NM	NA	3380.48
MW058	08/02/2010	3437.13	56.64	NM	NA	3380.49
MW058	05/05/2011	3437.13	56.50	NM	NA	3380.63
MW058	11/01/2011	3437.13	56.51	NM	NA	3380.62
MW058	05/01/2012	3437.13	56.50	NM	NA	3380.63

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Location ID	Date	Top of Casing (feet amsl)	Depth To Groundwater (feet)	Depth to LNAPL (feet btoc)	LNAPL Thickness (feet)	Groundwater Elevation (feet amsl)
MW058	10/24/2012	3437.13	56.57	NM	NA	3380.56
MW058	05/01/2013	3437.13	56.80	NM	NA	3380.33
MW058	10/28/2013	3437.13	56.83	NM	NA	3380.30
MW058	05/05/2014	3437.13	56.89	NM	NA	3380.24
MW058	11/03/2014	3437.13	56.90	NM	NA	3380.23
MW058	05/06/2015	3437.13	56.65	NM	NA	3380.48
MW058	11/03/2015	3437.13	56.58	NM	NA	3380.55
MW058	05/10/2016	3437.13	56.49	NM	NA	3380.64
MW058	09/22/2016	3437.13	56.43	NM	NA	3380.70
MW058	05/02/2017	3437.13	56.20	NM	NA	3380.93
MW058	03/20/2018	3437.13	55.97	NM	NA	3381.16
MW058	04/10/2019	3437.13	55.77	NM	NA	3381.36
MW058	03/09/2020	3437.13	59.73	NM	NA	3377.40
MW058	03/22/2021	3437.13	55.71	NM	NA	3381.42
MW058	10/11/2021	3437.13	58.7	NM	NA	3378.43
MW059	01/31/2003	3442.22	63.28	NM	NA	3378.94
MW059	03/28/2003	3442.22	63.23	NM	NA	3378.99
MW059	05/19/2003	3442.22	63.15	NM	NA	3379.07
MW059	09/09/2003	3442.22	63.15	NM	NA	3379.07
MW059	12/02/2003	3442.22	63.05	NM	NA	3379.17
MW059	03/30/2004	3442.22	63.06	NM	NA	3379.16
MW059	06/07/2004	3442.22	63.00	NM	NA	3379.22
MW059	09/17/2004	3442.22	63.03	NM	NA	3379.19
MW059	11/30/2004	3442.22	62.96	NM	NA	3379.26
MW059	03/31/2005	3442.22	62.75	NM	NA	3379.47
MW059	05/23/2005	3442.22	62.51	NM	NA	3379.71
MW059	01/17/2006	3442.22	62.28	NM	NA	3379.94
MW059	06/14/2006	3442.22	61.96	NM	NA	3380.26
MW059	03/28/2007	3442.22	61.61	NM	NA	3380.61
MW059	09/11/2007	3442.22	61.39	NM	NA	3380.83
MW059	03/19/2008	3442.22	61.30	NM	NA	3380.92
MW059	08/04/2008	3442.22	61.20	NM	NA	3381.02
MW059	03/11/2009	3442.22	61.33	NM	NA	3380.89
MW059	07/29/2009	3442.22	61.32	NM	NA	3380.90
MW059	03/01/2010	3442.22	61.40	NM	NA	3380.82
MW059	08/03/2010	3442.22	61.38	NM	NA	3380.84
MW059	05/04/2011	3442.22	61.27	NM	NA	3380.95
MW059	11/01/2011	3442.24	61.24	NM	NA	3381.00
MW059	05/04/2012	3442.24	61.32	NM	NA	3380.92
MW059	10/25/2012	3442.24	61.40	NM	NA	3380.84
MW059	05/01/2013	3442.24	61.48	NM	NA	3380.76
MW059	10/28/2013	3442.24	61.47	NM	NA	3380.77
MW059	05/05/2014	3442.24	61.55	NM	NA	3380.69
MW059	11/03/2014	3442.24	61.60	NM	NA	3380.64
MW059	05/06/2015	3442.24	61.33	NM	NA	3380.91
MW059	11/02/2015	3442.24	61.24	NM	NA	3381.00
MW059	05/11/2016	3442.24	61.23	NM	NA	3381.01
MW059	09/22/2016	3442.24	61.21	NM	NA	3381.03
MW059	05/02/2017	3442.24	61.00	NM	NA	3381.24
MW059	09/18/2017	3442.24	60.90	NM	NA	3381.34
MW059	03/20/2018	3442.24	60.72	NM	NA	3381.52
MW059	09/13/2018	3442.24	60.71	NM	NA	3381.53
MW059	04/10/2019	3442.24	60.51	NM	NA	3381.73
MW059	10/07/2019	3442.24	60.62	NM	NA	3381.62
MW059	03/09/2020	3442.24	60.65	NM	NA	3381.59
MW059	03/08/2021	3442.24	60.45	NM	NA	3381.79
MW059	10/11/2021	3442.24	60.43	NM	NA	3381.81
MW060	01/08/2003	3437.7	58.62	NM	NA	3379.08
MW060	01/30/2003	3437.7	58.38	NM	NA	3379.32
MW060	03/28/2003	3437.7	58.45	NM	NA	3379.25
MW060	05/19/2003	3437.7	58.39	NM	NA	3379.31
MW060	09/09/2003	3437.7	58.34	NM	NA	3379.36
MW060	12/02/2003	3437.7	58.15	NM	NA	3379.55
MW060	03/30/2004	3437.7	58.20	NM	NA	3379.50
MW060	06/07/2004	3437.7	58.19	NM	NA	3379.51
MW060	09/16/2004	3437.7	58.12	NM	NA	3379.58
MW060	11/29/2004	3437.7	58.11	NM	NA	3379.59
MW060	03/31/2005	3437.7	57.79	NM	NA	3379.91
MW060	05/23/2005	3437.7	57.63	NM	NA	3380.07
MW060	01/17/2006	3437.7	57.33	NM	NA	3380.37

Appendix C
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Location ID	Date	Top of Casing (feet amsl)	Depth To Groundwater (feet)	Depth to LNAPL (feet btoc)	LNAPL Thickness (feet)	Groundwater Elevation (feet amsl)
MW060	06/16/2006	3437.7	57.13	NM	NA	3380.57
MW060	03/28/2007	3437.7	56.80	NM	NA	3380.90
MW060	09/13/2007	3437.7	56.57	NM	NA	3381.13
MW060	03/18/2008	3437.7	56.46	NM	NA	3381.24
MW060	08/04/2008	3437.7	56.57	NM	NA	3381.13
MW060	03/10/2009	3437.7	66.55	NM	NA	3371.15
MW060	07/28/2009	3437.7	56.60	NM	NA	3381.10
MW060	03/01/2010	3437.7	56.73	NM	NA	3380.97
MW060	08/02/2010	3437.7	56.74	NM	NA	3380.96
MW060	05/04/2011	3437.7	56.57	NM	NA	3381.13
MW060	11/01/2011	3437.7	56.50	NM	NA	3381.20
MW060	05/01/2012	3437.7	56.59	NM	NA	3381.11
MW060	10/24/2012	3437.7	56.62	NM	NA	3381.08
MW060	05/01/2013	3437.7	56.82	NM	NA	3380.88
MW060	10/28/2013	3437.7	56.80	NM	NA	3380.90
MW060	05/05/2014	3437.7	56.88	NM	NA	3380.82
MW060	11/03/2014	3437.7	56.88	NM	NA	3380.82
MW060	05/06/2015	3437.7	56.20	NM	NA	3381.50
MW060	11/03/2015	3437.7	56.60	NM	NA	3381.10
MW060	03/20/2018	3437.7	56.08	NM	NA	3381.62
MW060	09/13/2018	3437.7	56.01	NM	NA	3381.69
MW060**	09/18/2017	3437.7	46.2	NM	NA	3391.50
MW060	04/10/2019	3437.70	55.81	NM	NA	3381.89
MW060	10/07/2019	3437.70	55.97	NM	NA	3381.73
MW060	03/08/2021	3437.70	55.71	NM	NA	3381.99
MW060	10/11/2021	3437.70	DRY	NM	NA	DRY
MW061	01/08/2003	3439.86	60.23	NM	NA	3379.63
MW061	03/27/2003	3439.86	60.20	NM	NA	3379.66
MW061	05/19/2003	3439.86	60.26	NM	NA	3379.60
MW061	09/09/2003	3439.86	60.18	NM	NA	3379.68
MW061	12/02/2003	3439.86	60.00	NM	NA	3379.86
MW061	03/30/2004	3439.86	60.12	NM	NA	3379.74
MW061	06/07/2004	3439.86	60.06	NM	NA	3379.80
MW061	09/16/2004	3439.86	59.93	NM	NA	3379.93
MW061	11/29/2004	3439.86	59.84	NM	NA	3380.02
MW061	03/31/2005	3439.86	59.52	NM	NA	3380.34
MW061	05/23/2005	3439.86	59.32	NM	NA	3380.54
MW061	01/17/2006	3439.86	58.90	NM	NA	3380.96
MW061	06/15/2006	3439.86	58.81	NM	NA	3381.05
MW061	04/18/2007	3439.86	58.54	NM	NA	3381.32
MW061	09/20/2007	3439.86	58.39	NM	NA	3381.47
MW061	03/18/2008	3439.86	58.34	NM	NA	3381.52
MW061	08/04/2008	3439.86	58.55	NM	NA	3381.31
MW061	03/11/2009	3439.86	58.59	NM	NA	3381.27
MW061	07/29/2009	3439.86	58.65	NM	NA	3381.21
MW061	03/01/2010	3439.86	58.77	NM	NA	3381.09
MW061	08/03/2010	3439.86	58.72	NM	NA	3381.14
MW061	05/03/2011	3439.86	58.55	NM	NA	3381.31
MW061	11/01/2011	3439.86	58.48	NM	NA	3381.38
MW061	05/01/2012	3439.86	58.67	NM	NA	3381.19
MW061	10/24/2012	3439.86	58.72	NM	NA	3381.14
MW061	04/30/2013	3439.86	58.81	NM	NA	3381.05
MW061	10/28/2013	3439.86	58.89	NM	NA	3380.97
MW061	05/05/2014	3439.86	58.95	NM	NA	3380.91
MW061	11/03/2014	3439.86	58.90	NM	NA	3380.96
MW061	05/06/2015	3439.86	58.71	NM	NA	3381.15
MW061	11/03/2015	3439.86	58.62	NM	NA	3381.24
MW061	05/09/2016	3439.86	58.60	NM	NA	3381.26
MW061	09/22/2016	3439.86	56.21	NM	NA	3383.65
MW061	05/02/2017	3439.86	55.81	NM	NA	3384.05
MW061	03/20/2018	3439.86	55.55	NM	NA	3384.31
MW061	09/13/2018	3439.86	55.41	NM	NA	3384.45
MW061**	09/18/2017	3439.86	55.77	NM	NA	3384.09
MW061	04/10/2019	3439.86	55.26	NM	NA	3384.60
MW061	10/08/2019	3439.86	55.34	NM	NA	3384.52
MW061	03/09/2020	3439.86	55.42	NM	NA	3384.44
MW061	09/23/2020	3439.86	55.1	NM	NA	3384.76
MW061	03/11/2021	3439.86	49.99	NM	NA	3389.87
MW061	10/11/2021	3439.86	59.14	NM	NA	3380.72
MW062A	01/31/2003	3434.19	57.13	NM	NA	3377.06

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Location ID	Date	Top of Casing (feet amsl)	Depth To Groundwater (feet)	Depth to LNAPL (feet btoc)	LNAPL Thickness (feet)	Groundwater Elevation (feet amsl)
MW062A	03/27/2003	3434.19	57.16	NM	NA	3377.03
MW062A	05/19/2003	3434.19	57.19	NM	NA	3377.00
MW062A	09/09/2003	3434.19	57.29	NM	NA	3376.90
MW062A	12/02/2003	3434.19	57.17	NM	NA	3377.02
MW062A	03/30/2004	3434.19	57.35	NM	NA	3376.84
MW062A	06/07/2004	3434.19	57.40	NM	NA	3376.79
MW062A	09/16/2004	3434.19	57.18	NM	NA	3377.01
MW062A	11/29/2004	3434.19	57.08	NM	NA	3377.11
MW062A	03/31/2005	3434.19	56.64	NM	NA	3377.55
MW062A	05/23/2005	3434.19	56.51	NM	NA	3377.68
MW062A	01/17/2006	3434.19	55.93	NM	NA	3378.26
MW062A	06/14/2006	3434.19	55.52	NM	NA	3378.67
MW062A	04/20/2007	3434.19	55.17	NM	NA	3379.02
MW062A	09/13/2007	3434.19	55.17	NM	NA	3379.02
MW062A	03/18/2008	3434.19	55.13	NM	NA	3379.06
MW062A	08/04/2008	3434.19	55.25	NM	NA	3378.94
MW062A	03/11/2009	3434.19	55.39	NM	NA	3378.80
MW062A	07/28/2009	3434.19	55.45	NM	NA	3378.74
MW062A	03/01/2010	3434.19	55.45	NM	NA	3378.74
MW062A	08/02/2010	3434.19	55.50	NM	NA	3378.69
MW062A	05/03/2011	3434.19	55.28	NM	NA	3378.91
MW062A	11/02/2011	3434.19	55.56	NM	NA	3378.63
MW062A	05/01/2012	3434.19	55.50	NM	NA	3378.69
MW062A	10/24/2012	3434.19	55.72	NM	NA	3378.47
MW062A	05/01/2013	3434.19	55.87	NM	NA	3378.32
MW062A	10/28/2013	3434.19	55.99	NM	NA	3378.20
MW062A	05/05/2014	3434.19	56.02	NM	NA	3378.17
MW062A	11/03/2014	3434.19	55.95	NM	NA	3378.24
MW062A	05/06/2015	3434.19	55.59	NM	NA	3378.60
MW062A	11/03/2015	3434.19	55.57	NM	NA	3378.62
MW062A	05/10/2016	3434.19	55.37	NM	NA	3378.82
MW062A	09/22/2016	3434.19	55.39	NM	NA	3378.80
MW062A	05/02/2017	3434.19	55.06	NM	NA	3379.13
MW062A	09/18/2017	3434.19	55.01	NM	NA	3379.18
MW062A	03/20/2018	3434.19	54.83	NM	NA	3379.36
MW062A	09/12/2018	3434.19	54.96	NM	NA	3379.23
MW062A	04/09/2019	3434.19	54.64	NM	NA	3379.55
MW062A	10/07/2019	3434.19	54.84	NM	NA	3379.35
MW062A	03/09/2020	3434.19	54.84	NM	NA	3379.35
MW062A	03/10/2021	3434.19	54.68	NM	NA	3379.51
MW062A	10/11/2021	3434.19	62.16	NM	NA	3372.03
MW063A	01/31/2003	3435.22	57.89	NM	NA	3377.33
MW063A	03/27/2003	3435.22	57.80	NM	NA	3377.42
MW063A	05/19/2003	3435.22	57.82	NM	NA	3377.40
MW063A	09/09/2003	3435.22	57.89	NM	NA	3377.33
MW063A	12/02/2003	3435.22	57.78	NM	NA	3377.44
MW063A	03/30/2004	3435.22	57.97	NM	NA	3377.25
MW063A	06/07/2004	3435.22	57.93	NM	NA	3377.29
MW063A	09/16/2004	3435.22	57.81	NM	NA	3377.41
MW063A	11/29/2004	3435.22	57.78	NM	NA	3377.44
MW063A	03/31/2005	3435.22	54.53	NM	NA	3380.69
MW063A	05/23/2005	3435.22	57.20	NM	NA	3378.02
MW063A	01/17/2006	3435.22	56.80	NM	NA	3378.42
MW063A	06/14/2006	3435.22	56.44	NM	NA	3378.78
MW063A	04/20/2007	3435.22	56.02	NM	NA	3379.20
MW063A	09/10/2007	3435.22	55.92	NM	NA	3379.30
MW063A	03/18/2008	3435.22	55.89	NM	NA	3379.33
MW063A	08/04/2008	3435.22	55.98	NM	NA	3379.24
MW063A	03/11/2009	3435.22	56.02	NM	NA	3379.20
MW063A	07/28/2009	3435.22	56.05	NM	NA	3379.17
MW063A	03/01/2010	3435.22	56.05	NM	NA	3379.17
MW063A	08/02/2010	3435.22	56.08	NM	NA	3379.14
MW063A	05/03/2011	3435.22	55.90	NM	NA	3379.32
MW063A	11/02/2011	3435.22	56.04	NM	NA	3379.18
MW063A	05/01/2012	3435.22	56.00	NM	NA	3379.22
MW063A	10/24/2012	3435.22	56.13	NM	NA	3379.09
MW063A	05/01/2013	3435.22	56.30	NM	NA	3378.92
MW063A	10/28/2013	3435.22	56.41	NM	NA	3378.81
MW063A	05/05/2014	3435.22	56.42	NM	NA	3378.80
MW063A	11/03/2014	3435.22	56.43	NM	NA	3378.79

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Location ID	Date	Top of Casing (feet amsl)	Depth To Groundwater (feet)	Depth to LNAPL (feet btoc)	LNAPL Thickness (feet)	Groundwater Elevation (feet amsl)
MW063A	05/06/2015	3435.22	56.12	NM	NA	3379.10
MW063A	11/03/2015	3435.22	56.09	NM	NA	3379.13
MW063A	05/10/2016	3435.22	55.92	NM	NA	3379.30
MW063A	09/22/2016	3435.22	55.95	NM	NA	3379.27
MW063A	05/02/2017	3435.22	55.70	NM	NA	3379.52
MW063A	09/18/2017	3435.22	55.65	NM	NA	3379.57
MW063A	03/20/2018	3435.22	55.48	NM	NA	3379.74
MW063A	09/12/2018	3435.22	55.52	NM	NA	3379.70
MW063A	04/09/2019	3435.22	55.22	NM	NA	3380.00
MW063A	10/07/2019	3435.22	55.43	NM	NA	3379.79
MW063A	03/09/2020	3435.22	55.43	NM	NA	3379.79
MW063A	03/10/2021	3435.22	55.27	NM	NA	3379.95
MW063A	10/11/2021	3435.22	50.45	NM	NA	3384.77
MW064SA	03/27/2003	3405.15	54.20	NM	NA	3350.95
MW064SA	05/19/2003	3405.15	54.22	NM	NA	3350.93
MW064SA	09/08/2003	3405.15	54.27	NM	NA	3350.88
MW064SA	12/02/2003	3405.15	54.35	NM	NA	3350.80
MW064SA	03/30/2004	3405.15	54.39	NM	NA	3350.76
MW064SA	06/07/2004	3405.15	54.40	NM	NA	3350.75
MW064SA	09/14/2004	3405.15	54.36	NM	NA	3350.79
MW064SA	11/29/2004	3405.15	54.24	NM	NA	3350.91
MW064SA	03/24/2005	3405.15	54.91	NM	NA	3350.24
MW064SA	05/23/2005	3405.15	53.69	NM	NA	3351.46
MW064SA	01/17/2006	3405.15	53.09	NM	NA	3352.06
MW064SA	06/14/2006	3405.15	52.67	NM	NA	3352.48
MW064SA	09/05/2007	3405.15	51.52	NM	NA	3353.63
MW064SA	03/19/2008	3405.15	51.21	NM	NA	3353.94
MW064SA	08/04/2008	3405.15	51.11	NM	NA	3354.04
MW064SA	03/11/2009	3405.15	51.16	NM	NA	3353.99
MW064SA	07/29/2009	3405.15	51.05	NM	NA	3354.10
MW064SA	03/01/2010	3405.15	51.07	NM	NA	3354.08
MW064SA	07/30/2010	3405.15	50.99	NM	NA	3354.16
MW064SA	05/04/2011	3405.15	51.09	NM	NA	3354.06
MW064SA	11/02/2011	3405.15	51.29	NM	NA	3353.86
MW064SA	05/02/2012	3405.15	51.33	NM	NA	3353.82
MW064SA	10/23/2012	3405.15	51.36	NM	NA	3353.79
MW064SA	04/29/2013	3405.15	51.31	NM	NA	3353.84
MW065SA	03/27/2003	3402.96	54.21	NM	NA	3348.75
MW065SA	05/19/2003	3402.96	54.23	NM	NA	3348.73
MW065SA	09/08/2003	3402.96	54.38	NM	NA	3348.58
MW065SA	12/02/2003	3402.96	54.51	NM	NA	3348.45
MW065SA	03/30/2004	3402.96	54.61	NM	NA	3348.35
MW065SA	06/07/2004	3402.96	54.32	NM	NA	3348.64
MW065SA	09/14/2004	3402.96	54.45	NM	NA	3348.51
MW065SA	11/30/2004	3402.96	54.31	NM	NA	3348.65
MW065SA	03/31/2005	3402.96	53.92	NM	NA	3349.04
MW065SA	05/23/2005	3402.96	53.66	NM	NA	3349.30
MW065SA	01/17/2006	3402.96	52.99	NM	NA	3349.97
MW065SA	06/15/2006	3402.96	52.62	NM	NA	3350.34
MW065SA	04/10/2007	3402.96	52.12	NM	NA	3350.84
MW065SA	09/11/2007	3402.96	51.59	NM	NA	3351.37
MW065SA	03/19/2008	3402.96	51.39	NM	NA	3351.57
MW065SA	08/04/2008	3402.96	51.30	NM	NA	3351.66
MW065SA	03/11/2009	3402.96	51.52	NM	NA	3351.44
MW065SA	07/29/2009	3402.96	51.32	NM	NA	3351.64
MW065SA	03/01/2010	3402.96	51.39	NM	NA	3351.57
MW065SA	07/30/2010	3402.96	51.30	NM	NA	3351.66
MW065SA	05/04/2011	3402.96	51.48	NM	NA	3351.48
MW065SA	11/03/2011	3402.96	51.81	NM	NA	3351.15
MW065SA	05/01/2012	3402.96	51.72	NM	NA	3351.24
MW065SA	10/23/2012	3402.96	51.69	NM	NA	3351.27
MW065SA	04/29/2013	3402.96	51.64	NM	NA	3351.32
MW065SA	10/28/2013	3402.96	51.85	NM	NA	3351.11
MW065SA	05/05/2014	3402.96	51.48	NM	NA	3351.48
MW065SA	11/03/2014	3402.96	51.53	NM	NA	3351.43
MW065SA	05/05/2015	3402.96	51.05	NM	NA	3351.91
MW065SA	11/02/2015	3402.96	51.01	NM	NA	3351.95
MW065SA	05/11/2016	3402.96	50.43	NM	NA	3352.53
MW065SA	09/14/2016	3402.96	50.48	NM	NA	3352.48
MW065SA	05/01/2017	3402.96	49.87	NM	NA	3353.09

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Location ID	Date	Top of Casing (feet amsl)	Depth To Groundwater (feet)	Depth to LNAPL (feet btoc)	LNAPL Thickness (feet)	Groundwater Elevation (feet amsl)
MW065SA	03/20/2018	3402.96	49.51	NM	NA	3353.45
MW065SA	04/09/2019	3402.96	48.71	NM	NA	3354.25
MW065SA	03/09/2020	3402.96	48.32	NM	NA	3354.64
MW065SA	03/11/2021	3402.96	49.16	NM	NA	3353.80
MW065SA	10/11/2021	3402.96	49.42	NM	NA	3353.54
MW066SA	03/28/2003	3404.03	52.45	NM	NA	3351.58
MW066SA	05/19/2003	3404.03	52.24	NM	NA	3351.79
MW066SA	09/08/2003	3404.03	52.71	NM	NA	3351.32
MW066SA	12/02/2003	3404.03	53.00	NM	NA	3351.03
MW066SA	03/30/2004	3404.03	53.16	NM	NA	3350.87
MW066SA	06/07/2004	3404.03	52.88	NM	NA	3351.15
MW066SA	09/14/2004	3404.03	55.30	NM	NA	3348.73
MW066SA	11/29/2004	3404.03	53.24	NM	NA	3350.79
MW066SA	03/29/2005	3404.03	52.71	NM	NA	3351.32
MW066SA	05/23/2005	3404.03	52.36	NM	NA	3351.67
MW066SA	01/17/2006	3404.03	51.15	NM	NA	3352.88
MW066SA	06/15/2006	3404.03	50.35	NM	NA	3353.68
MW066SA	04/05/2007	3404.03	49.45	NM	NA	3354.58
MW066SA	09/19/2007	3404.03	48.63	NM	NA	3355.40
MW066SA	03/18/2008	3404.03	48.25	NM	NA	3355.78
MW066SA	08/04/2008	3404.03	48.99	NM	NA	3355.04
MW066SA	03/10/2009	3404.03	49.00	NM	NA	3355.03
MW066SA	07/29/2009	3404.03	49.32	NM	NA	3354.71
MW066SA	03/01/2010	3404.03	49.53	NM	NA	3354.50
MW066SA	07/30/2010	3404.03	49.38	NM	NA	3354.65
MW066SA	05/04/2011	3404.03	49.67	NM	NA	3354.36
MW066SA	11/03/2011	3404.03	50.47	NM	NA	3353.56
MW066SA	05/02/2012	3404.03	50.24	NM	NA	3353.79
MW066SA	10/23/2012	3404.03	50.56	NM	NA	3353.47
MW066SA	04/29/2013	3404.03	50.20	NM	NA	3353.83
MW066SA	10/29/2013	3404.03	50.81	NM	NA	3353.22
MW066SA	05/05/2014	3404.03	50.09	NM	NA	3353.94
MW066SA	11/03/2014	3404.03	50.45	NM	NA	3353.58
MW066SA	05/05/2015	3404.03	49.14	NM	NA	3354.89
MW066SA	11/02/2015	3404.03	49.22	NM	NA	3354.81
MW066SA	05/10/2016	3404.03	47.86	NM	NA	3356.17
MW066SA	09/15/2016	3404.03	44.34	NM	NA	3359.69
MW066SA	05/01/2017	3404.03	46.68	NM	NA	3357.35
MW066SA	09/14/2017	3404.03	46.45	NM	NA	3357.58
MW066SA	03/20/2018	3404.03	45.66	NM	NA	3358.37
MW066SA	09/12/2018	3404.03	45.99	NM	NA	3358.04
MW066SA	04/09/2019	3404.03	44.19	NM	NA	3359.84
MW066SA	10/07/2019	3404.03	45.09	NM	NA	3358.94
MW066SA	03/09/2020	3404.03	44.57	NM	NA	3359.46
MW066SA	03/09/2021	3404.03	46.15	NM	NA	3357.88
MW066SA	10/11/2021	3404.03	47.27	NM	NA	3356.76
MW067SA	03/28/2003	3409.16	47.64	NM	NA	3361.52
MW067SA	05/19/2003	3409.16	47.61	NM	NA	3361.55
MW067SA	09/08/2003	3409.16	48.19	NM	NA	3360.97
MW067SA	12/02/2003	3409.16	48.25	NM	NA	3360.91
MW067SA	03/30/2004	3409.16	48.34	NM	NA	3360.82
MW067SA	06/07/2004	3409.16	48.10	NM	NA	3361.06
MW067SA	09/14/2004	3409.16	48.26	NM	NA	3360.90
MW067SA	01/17/2006	3409.16	45.90	NM	NA	3363.26
MW067SA	06/16/2006	3409.16	46.02	NM	NA	3363.14
MW067SA	04/05/2007	3409.16	45.46	NM	NA	3363.70
MW067SA	09/12/2007	3409.16	45.38	NM	NA	3363.78
MW067SA	03/18/2008	3409.16	45.34	NM	NA	3363.82
MW067SA	08/04/2008	3409.16	46.06	NM	NA	3363.10
MW067SA	03/10/2009	3409.16	45.81	NM	NA	3363.35
MW067SA	07/28/2009	3409.16	46.35	NM	NA	3362.81
MW067SA	03/01/2010	3409.16	46.31	NM	NA	3362.85
MW067SA	08/03/2010	3409.16	46.37	NM	NA	3362.79
MW067SA	05/05/2011	3409.16	46.54	NM	NA	3362.62
MW067SA	11/03/2011	3409.16	47.18	NM	NA	3361.98
MW067SA	05/02/2012	3409.16	46.89	NM	NA	3362.27
MW067SA	10/23/2012	3409.16	47.25	NM	NA	3361.91
MW067SA	04/29/2013	3409.16	46.95	NM	NA	3362.21
MW067SA	10/29/2013	3409.16	47.54	NM	NA	3361.62
MW067SA	05/05/2014	3409.16	47.00	NM	NA	3362.16

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ARCADIS Design & Consultancy for natural and built assets

Location ID	Date	Top of Casing (feet amsl)	Depth To Groundwater (feet)	Depth to LNAPL (feet btoc)	LNAPL Thickness (feet)	Groundwater Elevation (feet amsl)
MW067SA	11/03/2014	3409.16	47.22	NM	NA	3361.94
MW067SA	05/05/2015	3409.16	46.30	NM	NA	3362.86
MW067SA	11/03/2015	3409.16	46.50	NM	NA	3362.66
MW067SA	05/10/2016	3409.16	45.65	NM	NA	3363.51
MW067SA	09/22/2016	3409.16	46.12	NM	NA	3363.04
MW067SA	05/01/2017	3409.16	44.82	NM	NA	3364.34
MW067SA	09/14/2017	3409.16	45.01	NM	NA	3364.15
MW067SA	03/20/2018	3409.16	44.20	NM	NA	3364.96
MW067SA	09/10/2018	3409.16	45.76	NM	NA	3363.40
MW067SA	04/09/2019	3409.16	43.05	NM	NA	3366.11
MW067SA	10/07/2019	3409.16	44.42	NM	NA	3364.74
MW067SA	03/09/2020	3409.16	43.22	NM	NA	3365.94
MW067SA	09/23/2020	3409.16	44.86	NM	NA	3364.30
MW067SA	03/09/2021	3409.16	43.22	NM	NA	3365.94
MW067SA	10/11/2021	3409.16	45.89	NM	NA	3363.27
MW068	03/27/2003	3448.08	67.61	NM	NA	3380.47
MW068	05/19/2003	3448.08	68.70	NM	NA	3379.38
MW068	09/09/2003	3448.08	68.67	NM	NA	3379.41
MW068	12/02/2003	3448.08	68.51	NM	NA	3379.57
MW068	03/30/2004	3448.08	68.52	NM	NA	3379.56
MW068	06/07/2004	3448.08	68.45	NM	NA	3379.63
MW068	09/16/2004	3448.18	68.30	NM	NA	3379.88
MW068	11/29/2004	3448.08	68.19	NM	NA	3379.89
MW068	03/31/2005	3448.08	67.90	NM	NA	3380.18
MW068	05/23/2005	3448.08	67.78	NM	NA	3380.30
MW068	01/17/2006	3448.08	67.40	NM	NA	3380.68
MW068	06/14/2006	3448.08	67.30	NM	NA	3380.78
MW068	03/22/2007	3448.08	67.04	NM	NA	3381.04
MW068	09/06/2007	3448.08	66.78	NM	NA	3381.30
MW068	03/18/2008	3448.08	66.80	NM	NA	3381.28
MW068	08/04/2008	3448.08	67.09	NM	NA	3380.99
MW068	03/10/2009	3448.08	66.94	NM	NA	3381.14
MW068	07/28/2009	3448.08	67.02	NM	NA	3381.06
MW068	03/01/2010	3448.08	67.12	NM	NA	3380.96
MW068	08/03/2010	3448.08	67.99	NM	NA	3380.09
MW068	05/03/2011	3448.08	66.87	NM	NA	3381.21
MW068	11/01/2011	3448.08	66.85	NM	NA	3381.23
MW068	05/02/2012	3448.08	67.04	NM	NA	3381.04
MW068	10/24/2012	3448.08	67.03	NM	NA	3381.05
MW068	04/30/2013	3448.08	67.11	NM	NA	3380.97
MW068	10/28/2013	3448.08	67.12	NM	NA	3380.96
MW068	05/05/2014	3448.08	67.20	NM	NA	3380.88
MW068	11/03/2014	3448.08	67.09	NM	NA	3380.99
MW068	05/06/2015	3448.08	62.00	NM	NA	3386.08
MW068	09/16/2015	3448.08	67.09	NM	NA	3380.99
MW068	11/03/2015	3448.08	66.89	NM	NA	3381.19
MW068	05/09/2016	3448.08	64.94	NM	NA	3383.14
MW068	05/02/2017	3449.21	66.67	NM	NA	3382.54
MW068	09/22/2017	3448.08	66.80	NM	NA	3381.28
MW068	03/20/2018	3448.08	66.57	NM	NA	3381.51
MW068	09/13/2018	3448.08	66.54	NM	NA	3381.54
MW068	04/10/2019	3448.08	66.31	NM	NA	3381.77
MW068	10/07/2019	3448.08	66.44	NM	NA	3381.64
MW068	03/09/2020	3449.21	66.49	NM	NA	3382.72
MW068	09/23/2020	3449.21	66.23	NM	NA	3382.98
MW068	03/11/2021	3448.08	66.12	NM	NA	3381.96
MW068	10/11/2021	3448.08	66.41	NM	NA	3381.67
MW069	03/27/2003	3444.07	64.89	NM	NA	3379.18
MW069	05/19/2003	3444.07	64.83	NM	NA	3379.24
MW069	09/09/2003	3444.07	64.79	NM	NA	3379.28
MW069	12/02/2003	3444.07	64.63	NM	NA	3379.44
MW069	03/30/2004	3444.07	64.65	NM	NA	3379.42
MW069	06/07/2004	3444.07	64.63	NM	NA	3379.44
MW069	09/16/2004	3444.07	64.60	NM	NA	3379.47
MW069	11/29/2004	3444.07	64.51	NM	NA	3379.56
MW069	03/31/2005	3444.07	64.24	NM	NA	3379.83
MW069	05/23/2005	3444.07	64.08	NM	NA	3379.99
MW069	01/17/2006	3444.07	63.82	NM	NA	3380.25
MW069	06/14/2006	3444.07	63.66	NM	NA	3380.41
MW069	09/06/2007	3444.07	63.16	NM	NA	3380.91

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Location ID	Date	Top of Casing (feet amsl)	Depth To Groundwater (feet)	Depth to LNAPL (feet btoc)	LNAPL Thickness (feet)	Groundwater Elevation (feet amsl)
MW069	03/18/2008	3444.07	63.17	NM	NA	3380.90
MW069	08/04/2008	3444.07	63.10	NM	NA	3380.97
MW069	03/10/2009	3444.07	62.99	NM	NA	3381.08
MW069	03/22/2009	3444.07	63.39	NM	NA	3380.68
MW069	07/28/2009	3444.07	63.09	NM	NA	3380.98
MW069	03/01/2010	3444.07	63.17	NM	NA	3380.90
MW069	08/02/2010	3444.07	63.20	NM	NA	3380.87
MW069	05/04/2011	3444.07	63.82	NM	NA	3380.25
MW069	11/01/2011	3444.07	62.95	NM	NA	3381.12
MW069	05/01/2012	3444.07	63.04	NM	NA	3381.03
MW069	05/01/2013	3444.07	63.21	NM	NA	3380.86
MW069	10/28/2013	3444.07	63.16	NM	NA	3380.91
MW069	05/05/2014	3444.07	63.26	NM	NA	3380.81
MW069	11/03/2014	3444.07	63.31	NM	NA	3380.76
MW069	05/06/2015	3444.07	63.10	NM	NA	3380.97
MW069	11/03/2015	3444.07	63.00	NM	NA	3381.07
MW069	05/09/2016	3444.07	62.97	NM	NA	3381.10
MW069	09/22/2016	3444.07	63.12	NM	NA	3380.95
MW069	05/02/2017	3445.21	62.82	NM	NA	3382.39
MW069	09/18/2017	3444.07	62.81	NM	NA	3381.26
MW069	03/20/2018	3444.07	62.66	NM	NA	3381.41
MW069	09/13/2018	3444.07	62.54	NM	NA	3381.53
MW069	04/10/2019	3444.07	62.45	NM	NA	3381.62
MW069	10/07/2019	3444.07	62.56	NM	NA	3381.51
MW069	03/09/2020	3445.21	62.59	NM	NA	3382.62
MW069	09/23/2020	3444.07	62.35	NM	NA	3381.72
MW069	03/11/2021	3444.07	62.39	NM	NA	3381.68
MW069	10/11/2021	3444.07	62.42	NM	NA	3381.65
MW070	03/27/2003	3439.68	61.00	NM	NA	3378.68
MW070	05/19/2003	3439.68	61.03	NM	NA	3378.65
MW070	09/09/2003	3439.68	61.02	NM	NA	3378.66
MW070	12/02/2003	3439.68	60.93	NM	NA	3378.75
MW070	03/30/2004	3439.68	61.02	NM	NA	3378.66
MW070	06/07/2004	3439.68	60.94	NM	NA	3378.74
MW070	09/16/2004	3439.68	60.90	NM	NA	3378.78
MW070	11/29/2004	3439.68	60.91	NM	NA	3378.77
MW070	03/31/2005	3439.68	60.72	NM	NA	3378.96
MW070	05/23/2005	3439.68	60.52	NM	NA	3379.16
MW070	01/17/2006	3439.68	60.20	NM	NA	3379.48
MW070	06/14/2006	3439.68	59.88	NM	NA	3379.80
MW070	03/29/2007	3439.68	59.47	NM	NA	3380.21
MW070	09/10/2007	3439.68	59.25	NM	NA	3380.43
MW070	03/18/2008	3439.68	59.18	NM	NA	3380.50
MW070	08/04/2008	3439.68	59.09	NM	NA	3380.59
MW070	03/10/2009	3439.68	59.11	NM	NA	3380.57
MW070	07/28/2009	3439.68	59.10	NM	NA	3380.58
MW070	03/01/2010	3439.68	59.15	NM	NA	3380.53
MW070	08/02/2010	3439.68	59.13	NM	NA	3380.55
MW070	05/04/2011	3439.68	59.06	NM	NA	3380.62
MW070	11/01/2011	3439.68	59.09	NM	NA	3380.59
MW070	05/01/2012	3439.68	59.00	NM	NA	3380.68
MW070	10/24/2012	3439.68	59.02	NM	NA	3380.66
MW070	05/01/2013	3439.68	59.28	NM	NA	3380.40
MW070	10/28/2013	3439.68	59.24	NM	NA	3380.44
MW070	05/05/2014	3439.68	59.29	NM	NA	3380.39
MW070	11/03/2014	3439.68	59.36	NM	NA	3380.32
MW070	05/06/2015	3439.68	59.14	NM	NA	3380.54
MW070	11/03/2015	3439.68	59.08	NM	NA	3380.60
MW070	05/10/2016	3439.68	58.99	NM	NA	3380.69
MW070	09/22/2016	3439.68	58.94	NM	NA	3380.74
MW070	05/02/2017	3439.68	58.81	NM	NA	3380.87
MW070	09/18/2017	3439.68	58.72	NM	NA	3380.96
MW070	03/20/2018	3439.68	58.63	NM	NA	3381.05
MW070	09/12/2018	3439.68	58.57	NM	NA	3381.11
MW070	04/10/2019	3439.68	58.39	NM	NA	3381.29
MW070	10/07/2019	3439.68	58.46	NM	NA	3381.22
MW070	03/09/2020	3439.68	58.47	NM	NA	3381.21
MW070	09/23/2020	3439.68	58.28	NM	NA	3381.40
MW070	03/11/2021	3439.68	58.27	NM	NA	3381.41
MW070	10/11/2021	3439.68	50.39	NM	NA	3389.29

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Location ID	Date	Top of Casing (feet amsl)	Depth To Groundwater (feet)	Depth to LNAPL (feet btoc)	LNAPL Thickness (feet)	Groundwater Elevation (feet amsl)
MW070A	03/27/2003	3439.67	61.08	NM	NA	3378.59
MW070A	05/19/2003	3439.67	61.06	NM	NA	3378.61
MW070A	09/09/2003	3439.67	61.05	NM	NA	3378.62
MW070A	12/02/2003	3439.67	60.96	NM	NA	3378.71
MW070A	03/30/2004	3439.67	60.96	NM	NA	3378.71
MW070A	06/07/2004	3439.67	60.98	NM	NA	3378.69
MW070A	09/16/2004	3439.67	60.98	NM	NA	3378.69
MW070A	11/30/2004	3439.67	60.88	NM	NA	3378.79
MW070A	03/31/2005	3439.67	60.68	NM	NA	3378.99
MW070A	05/23/2005	3439.67	60.49	NM	NA	3379.18
MW070A	01/17/2006	3439.67	60.14	NM	NA	3379.53
MW070A	06/14/2006	3439.67	59.92	NM	NA	3379.75
MW070A	03/29/2007	3439.67	59.45	NM	NA	3380.22
MW070A	09/11/2007	3439.67	59.30	NM	NA	3380.37
MW070A	03/18/2008	3439.67	59.09	NM	NA	3380.58
MW070A	08/04/2008	3439.67	59.06	NM	NA	3380.61
MW070A	03/10/2009	3439.67	59.11	NM	NA	3380.56
MW070A	07/28/2009	3439.67	59.14	NM	NA	3380.53
MW070A	03/01/2010	3439.67	59.18	NM	NA	3380.49
MW070A	08/02/2010	3439.67	59.21	NM	NA	3380.46
MW070A	05/03/2011	3439.67	59.06	NM	NA	3380.61
MW070A	11/02/2011	3439.67	59.05	NM	NA	3380.62
MW070A	05/01/2012	3439.67	59.02	NM	NA	3380.65
MW070A	10/24/2012	3439.67	59.05	NM	NA	3380.62
MW070A	05/01/2013	3439.67	59.28	NM	NA	3380.39
MW070A	10/28/2013	3439.67	59.31	NM	NA	3380.36
MW070A	05/05/2014	3439.67	59.32	NM	NA	3380.35
MW070A	11/03/2014	3439.67	59.35	NM	NA	3380.32
MW070A	05/06/2015	3439.67	59.18	NM	NA	3380.49
MW070A	09/16/2015	3439.67	58.96	NM	NA	3380.71
MW070A	11/03/2015	3439.67	59.08	NM	NA	3380.59
MW070A	05/10/2016	3439.67	58.99	NM	NA	3380.68
MW070A	05/02/2017	3439.67	58.81	NM	NA	3380.86
MW071SA	05/02/2003	3401.01	34.79	NM	NA	3366.22
MW071SA	05/19/2003	3401.01	52.61	NM	NA	3348.40
MW071SA	09/08/2003	3401.01	52.83	NM	NA	3348.18
MW071SA	12/02/2003	3401.01	52.98	NM	NA	3348.03
MW071SA	03/30/2004	3401.01	53.03	NM	NA	3347.98
MW071SA	06/07/2004	3401.01	52.78	NM	NA	3348.23
MW071SA	09/14/2004	3401.01	53.00	NM	NA	3348.01
MW071SA	11/29/2004	3401.01	53.71	NM	NA	3347.30
MW071SA	03/31/2005	3401.01	57.12	NM	NA	3343.89
MW071SA	05/23/2005	3401.01	51.90	NM	NA	3349.11
MW071SA	01/17/2006	3401.01	51.25	NM	NA	3349.76
MW071SA	06/15/2006	3401.01	50.95	NM	NA	3350.06
MW071SA	04/03/2007	3401.01	50.47	NM	NA	3350.54
MW071SA	09/18/2007	3401.01	49.94	NM	NA	3351.07
MW071SA	03/18/2008	3401.01	49.73	NM	NA	3351.28
MW071SA	08/04/2008	3401.01	49.87	NM	NA	3351.14
MW071SA	03/10/2009	3401.01	49.92	NM	NA	3351.09
MW071SA	07/28/2009	3401.01	49.83	NM	NA	3351.18
MW071SA	03/01/2010	3401.01	49.91	NM	NA	3351.10
MW071SA	07/30/2010	3401.01	49.89	NM	NA	3351.12
MW071SA	05/04/2011	3401.01	50.10	NM	NA	3350.91
MW071SA	11/03/2011	3401.01	51.41	NM	NA	3349.60
MW071SA	05/01/2012	3401.01	50.36	NM	NA	3350.65
MW071SA	10/23/2012	3401.01	50.31	NM	NA	3350.70
MW071SA	04/29/2013	3401.01	50.21	NM	NA	3350.80
MW071SA	10/28/2013	3401.01	50.40	NM	NA	3350.61
MW071SA	05/05/2014	3401.01	50.00	NM	NA	3351.01
MW071SA	11/03/2014	3401.01	50.05	NM	NA	3350.96
MW071SA	05/05/2015	3401.01	49.42	NM	NA	3351.59
MW071SA	11/02/2015	3401.01	49.50	NM	NA	3351.51
MW071SA	05/11/2016	3401.01	48.82	NM	NA	3352.19
MW071SA	09/14/2016	3401.01	48.92	NM	NA	3352.09
MW071SA	05/01/2017	3401.01	48.26	NM	NA	3352.75
MW071SA	09/14/2017	3401.01	48.18	NM	NA	3352.83
MW071SA	03/20/2018	3401.01	47.94	NM	NA	3353.07
MW071SA	09/12/2018	3401.01	48.19	NM	NA	3352.82
MW071SA	04/09/2019	3401.01	46.98	NM	NA	3354.03

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Location ID	Date	Top of Casing (feet amsl)	Depth To Groundwater (feet)	Depth to LNAPL (feet btoc)	LNAPL Thickness (feet)	Groundwater Elevation (feet amsl)
MW071SA	10/07/2019	3401.01	47.17	NM	NA	3353.84
MW071SA	03/09/2020	3401.01	46.74	NM	NA	3354.27
MW071SA	03/11/2021	3401.01	47.77	NM	NA	3353.24
MW071SA	10/11/2021	3401.01	48.12	NM	NA	3352.89
MW072SA	05/01/2003	3401.34	53.46	NM	NA	3347.88
MW072SA	05/19/2003	3401.34	52.96	NM	NA	3348.38
MW072SA	09/08/2003	3401.34	53.24	NM	NA	3348.10
MW072SA	12/02/2003	3401.34	53.35	NM	NA	3347.99
MW072SA	03/30/2004	3401.34	53.49	NM	NA	3347.85
MW072SA	06/07/2004	3401.34	53.18	NM	NA	3348.16
MW072SA	09/14/2004	3401.34	53.39	NM	NA	3347.95
MW072SA	11/29/2004	3401.34	53.06	NM	NA	3348.28
MW072SA	03/29/2005	3401.34	52.39	NM	NA	3348.95
MW072SA	05/23/2005	3401.34	52.14	NM	NA	3349.20
MW072SA	01/17/2006	3401.34	51.49	NM	NA	3349.85
MW072SA	06/15/2006	3401.34	51.25	NM	NA	3350.09
MW072SA	04/03/2007	3401.34	50.78	NM	NA	3350.56
MW072SA	09/13/2007	3401.34	50.20	NM	NA	3351.14
MW072SA	03/18/2008	3401.34	50.06	NM	NA	3351.28
MW072SA	08/04/2008	3401.34	50.29	NM	NA	3351.05
MW072SA	03/10/2009	3401.34	50.44	NM	NA	3350.90
MW072SA	07/28/2009	3401.34	50.24	NM	NA	3351.10
MW072SA	03/01/2010	3401.34	50.37	NM	NA	3350.97
MW072SA	07/30/2010	3401.34	50.40	NM	NA	3350.94
MW072SA	05/04/2011	3401.34	50.68	NM	NA	3350.66
MW072SA	11/02/2011	3401.34	51.08	NM	NA	3350.26
MW072SA	05/02/2012	3401.34	50.91	NM	NA	3350.43
MW072SA	10/23/2012	3401.34	50.88	NM	NA	3350.46
MW072SA	04/29/2013	3401.34	50.90	NM	NA	3350.44
MW072SA	10/29/2013	3401.34	51.05	NM	NA	3350.29
MW072SA	05/05/2014	3401.34	50.55	NM	NA	3350.79
MW072SA	11/03/2014	3401.34	50.65	NM	NA	3350.69
MW072SA	05/05/2015	3401.34	49.86	NM	NA	3351.48
MW072SA	11/02/2015	3401.34	50.01	NM	NA	3351.33
MW072SA	05/10/2016	3401.34	49.18	NM	NA	3352.16
MW072SA	09/15/2016	3401.34	49.30	NM	NA	3352.04
MW072SA	05/01/2017	3401.34	48.73	NM	NA	3352.61
MW072SA	09/14/2017	3401.34	48.68	NM	NA	3352.66
MW072SA	03/20/2018	3401.34	48.24	NM	NA	3353.10
MW072SA	09/12/2018	3401.34	48.76	NM	NA	3352.58
MW072SA	04/09/2019	3401.34	47.08	NM	NA	3354.26
MW072SA	10/07/2019	3401.34	47.51	NM	NA	3353.83
MW072SA	03/09/2020	3401.34	44.45	NM	NA	3356.89
MW072SA	03/09/2021	3401.34	48.33	NM	NA	3353.01
MW072SA	10/11/2021	3401.34	48.71	NM	NA	3352.63
MW073SA	05/03/2003	3403.26	50.25	NM	NA	3353.01
MW073SA	05/19/2003	3403.26	50.21	NM	NA	3353.05
MW073SA	09/08/2003	3403.26	50.61	NM	NA	3352.65
MW073SA	12/02/2003	3403.26	50.74	NM	NA	3352.52
MW073SA	03/30/2004	3403.26	50.86	NM	NA	3352.40
MW073SA	06/07/2004	3403.26	50.58	NM	NA	3352.68
MW073SA	09/14/2004	3403.26	50.76	NM	NA	3352.50
MW073SA	11/29/2004	3403.26	50.40	NM	NA	3352.86
MW073SA	03/31/2005	3403.26	49.65	NM	NA	3353.61
MW073SA	05/23/2005	3403.26	49.38	NM	NA	3353.88
MW073SA	01/17/2006	3403.26	48.68	NM	NA	3354.58
MW073SA	06/15/2006	3403.26	48.52	NM	NA	3354.74
MW073SA	04/03/2007	3403.26	48.01	NM	NA	3355.25
MW073SA	09/12/2007	3403.26	47.55	NM	NA	3355.71
MW073SA	03/18/2008	3403.26	47.45	NM	NA	3355.81
MW073SA	08/04/2008	3403.26	47.78	NM	NA	3355.48
MW073SA	03/10/2009	3403.26	47.89	NM	NA	3355.37
MW073SA	07/28/2009	3403.26	47.97	NM	NA	3355.29
MW073SA	03/01/2010	3403.26	48.08	NM	NA	3355.18
MW073SA	07/30/2010	3403.26	48.07	NM	NA	3355.19
MW073SA	11/03/2011	3403.26	48.84	NM	NA	3354.42
MW073SA	05/02/2012	3403.26	48.65	NM	NA	3354.61
MW073SA	10/23/2012	3403.26	48.76	NM	NA	3354.50
MW073SA	04/29/2013	3403.26	48.61	NM	NA	3354.65
MW073SA	10/29/2013	3403.26	49.06	NM	NA	3354.20

Appendix C
Historical Groundwater Elevations
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Former Eunice North Gas Plant
Eunice, Lea County, New Mexico

Location ID	Date	Top of Casing (feet amsl)	Depth To Groundwater (feet)	Depth to LNAPL (feet btoc)	LNAPL Thickness (feet)	Groundwater Elevation (feet amsl)
MW073SA	05/05/2014	3403.26	48.44	NM	NA	3354.82
MW073SA	11/03/2014	3403.26	48.58	NM	NA	3354.68
MW073SA	05/05/2015	3403.26	47.72	NM	NA	3355.54
MW073SA	11/02/2015	3403.26	47.82	NM	NA	3355.44
MW073SA	05/10/2016	3403.26	47.03	NM	NA	3356.23
MW073SA	09/15/2016	3403.26	47.36	NM	NA	3355.90
MW073SA	05/01/2017	3403.26	46.26	NM	NA	3357.00
MW073SA	09/14/2017	3403.26	46.21	NM	NA	3357.05
MW073SA	03/20/2018	3403.26	45.43	NM	NA	3357.83
MW073SA	09/12/2018	3403.26	45.96	NM	NA	3357.30
MW073SA	04/09/2019	3403.26	43.16	NM	NA	3360.10
MW073SA	10/07/2019	3403.26	45.22	NM	NA	3358.04
MW073SA	03/09/2020	3403.26	43.24	NM	NA	3360.02
MW073SA	09/23/2020	3403.26	45.74	NM	NA	3357.52
MW073SA	03/09/2021	3403.26	46.34	NM	NA	3356.92
MW073SA	10/11/2021	3403.26	46.73	NM	NA	3356.53
MW074SA	02/18/2004	3409.97	50.22	NM	NA	3359.75
MW074SA	03/30/2004	3409.97	50.24	NM	NA	3359.73
MW074SA	06/07/2004	3409.97	50.15	NM	NA	3359.82
MW074SA	09/14/2004	3409.97	50.22	NM	NA	3359.75
MW074SA	03/31/2005	3409.97	49.79	NM	NA	3360.18
MW074SA	05/23/2005	3409.97	49.69	NM	NA	3360.28
MW074SA	01/17/2006	3409.97	49.31	NM	NA	3360.66
MW074SA	06/15/2006	3409.97	49.02	NM	NA	3360.95
MW074SA	04/03/2007	3409.97	48.39	NM	NA	3361.58
MW074SA	09/05/2007	3409.97	48.10	NM	NA	3361.87
MW074SA	03/18/2008	3409.97	48.03	NM	NA	3361.94
MW074SA	08/04/2008	3409.97	48.07	NM	NA	3361.9
MW074SA	03/10/2009	3409.97	48.18	NM	NA	3361.79
MW074SA	07/28/2009	3409.97	48.14	NM	NA	3361.83
MW074SA	03/01/2010	3409.97	48.14	NM	NA	3361.83
MW074SA	07/30/2010	3409.97	48.19	NM	NA	3361.78
MW074SA	05/04/2011	3409.97	48.21	NM	NA	3361.76
MW074SA	11/02/2011	3409.97	48.50	NM	NA	3361.47
MW074SA	05/02/2012	3409.97	48.50	NM	NA	3361.47
MW074SA	10/23/2012	3409.97	48.72	NM	NA	3361.25
MW074SA	04/29/2013	3409.97	48.78	NM	NA	3361.19
MW074SA	10/28/2013	3409.97	49.02	NM	NA	3360.95
MW074SA	05/05/2014	3409.97	48.85	NM	NA	3361.12
MW074SA	11/03/2014	3409.97	48.92	NM	NA	3361.05
MW074SA	05/05/2015	3409.97	48.44	NM	NA	3361.53
MW074SA	11/02/2015	3409.97	48.38	NM	NA	3361.59
MW074SA	05/11/2016	3409.97	48.14	NM	NA	3361.83
MW074SA	09/15/2016	3409.97	48.10	NM	NA	3361.87
MW074SA	05/01/2017	3409.97	47.49	NM	NA	3362.48
MW074SA	09/14/2017	3409.97	47.41	NM	NA	3362.56
MW074SA	03/20/2018	3409.97	47.26	NM	NA	3362.71
MW074SA	09/12/2018	3409.97	47.40	NM	NA	3362.57
MW074SA	04/09/2019	3409.97	46.95	NM	NA	3363.02
MW074SA	10/07/2019	3409.97	46.94	NM	NA	3363.03
MW074SA	03/09/2020	3409.97	46.76	NM	NA	3363.21
MW074SA	03/09/2021	3409.97	46.99	NM	NA	3362.98
MW074SA	10/11/2021	3409.97	47.19	NM	NA	3362.78
MW075SA	02/18/2004	3404.21	54.19	NM	NA	3350.02
MW075SA	03/30/2004	3404.21	54.21	NM	NA	3350.00
MW075SA	06/07/2004	3404.21	54.11	NM	NA	3350.10
MW075SA	09/14/2004	3404.21	54.08	NM	NA	3350.13
MW075SA	11/29/2004	3404.21	54.04	NM	NA	3350.17
MW075SA	03/31/2005	3404.21	53.69	NM	NA	3350.52
MW075SA	05/23/2005	3404.21	53.49	NM	NA	3350.72
MW075SA	01/17/2006	3404.21	52.89	NM	NA	3351.32
MW075SA	06/15/2006	3404.21	52.44	NM	NA	3351.77
MW075SA	04/03/2007	3404.21	51.86	NM	NA	3352.35
MW075SA	09/05/2007	3404.21	51.38	NM	NA	3352.83
MW075SA	03/18/2008	3404.21	51.07	NM	NA	3353.14
MW075SA	08/04/2008	3404.21	50.91	NM	NA	3353.30
MW075SA	03/10/2009	3404.21	50.93	NM	NA	3353.28
MW075SA	07/28/2009	3404.21	50.80	NM	NA	3353.41
MW075SA	03/01/2010	3404.21	50.81	NM	NA	3353.40
MW075SA	07/30/2010	3404.21	50.71	NM	NA	3353.50

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Location ID	Date	Top of Casing (feet amsl)	Depth To Groundwater (feet)	Depth to LNAPL (feet btoc)	LNAPL Thickness (feet)	Groundwater Elevation (feet amsl)
MW075SA	05/04/2011	3404.21	50.85	NM	NA	3353.36
MW075SA	11/02/2011	3404.21	51.00	NM	NA	3353.21
MW075SA	05/01/2012	3404.21	51.03	NM	NA	3353.18
MW075SA	10/23/2012	3404.21	51.01	NM	NA	3353.20
MW075SA	04/29/2013	3404.21	50.98	NM	NA	3353.23
MW075SA	10/28/2013	3404.21	51.10	NM	NA	3353.11
MW075SA	05/05/2014	3404.21	50.91	NM	NA	3353.30
MW075SA	11/03/2014	3404.21	50.93	NM	NA	3353.28
MW075SA	05/05/2015	3404.21	50.58	NM	NA	3353.63
MW075SA	11/02/2015	3404.21	50.45	NM	NA	3353.76
MW075SA	05/11/2016	3404.21	50.05	NM	NA	3354.16
MW075SA	09/14/2016	3404.21	50.00	NM	NA	3354.21
MW075SA	05/01/2017	3404.21	49.47	NM	NA	3354.74
MW075SA	09/14/2017	3404.21	49.24	NM	NA	3354.97
MW075SA	03/20/2018	3404.21	49.12	NM	NA	3355.09
MW075SA	09/11/2018	3404.21	49.03	NM	NA	3355.18
MW075SA	04/09/2019	3404.21	48.55	NM	NA	3355.66
MW075SA	10/07/2019	3404.21	48.43	NM	NA	3355.78
MW075SA	03/09/2020	3404.21	48.21	NM	NA	3356.00
MW075SA	09/23/2020	3404.21	48.17	NM	NA	3356.04
MW075SA	03/09/2021	3404.21	48.58	NM	NA	3355.63
MW075SA	10/11/2021	3404.21	48.79	NM	NA	3355.42
MW076SA	02/18/2004	3404.13	55.72	NM	NA	3348.41
MW076SA	03/29/2004	3404.13	55.77	NM	NA	3348.36
MW076SA	06/07/2004	3404.13	55.62	NM	NA	3348.51
MW076SA	09/14/2004	3404.13	55.64	NM	NA	3348.49
MW076SA	11/29/2004	3404.13	55.54	NM	NA	3348.59
MW076SA	03/31/2005	3404.13	55.17	NM	NA	3348.96
MW076SA	05/23/2005	3404.13	54.94	NM	NA	3349.19
MW076SA	01/17/2006	3404.13	54.39	NM	NA	3349.74
MW076SA	06/15/2006	3404.13	53.95	NM	NA	3350.18
MW076SA	04/03/2007	3404.13	53.01	NM	NA	3351.12
MW076SA	03/18/2008	3404.13	52.76	NM	NA	3351.37
MW076SA	08/04/2008	3404.13	52.60	NM	NA	3351.53
MW076SA	03/10/2009	3404.13	52.61	NM	NA	3351.52
MW076SA	07/28/2009	3404.13	52.45	NM	NA	3351.68
MW076SA	03/01/2010	3404.13	52.79	NM	NA	3351.34
MW076SA	07/30/2010	3404.13	52.40	NM	NA	3351.73
MW076SA	05/04/2011	3404.13	52.54	NM	NA	3351.59
MW076SA	11/02/2011	3404.13	52.72	NM	NA	3351.41
MW076SA	05/01/2012	3404.13	52.73	NM	NA	3351.40
MW076SA	10/23/2012	3404.13	52.65	NM	NA	3351.48
MW076SA	04/29/2013	3404.13	52.60	NM	NA	3351.53
MW076SA	10/28/2013	3404.13	52.76	NM	NA	3351.37
MW076SA	05/05/2014	3404.13	52.50	NM	NA	3351.63
MW076SA	11/03/2014	3404.13	52.48	NM	NA	3351.65
MW076SA	05/05/2015	3404.13	52.13	NM	NA	3352.00
MW076SA	11/02/2015	3404.13	52.00	NM	NA	3352.13
MW076SA	05/11/2016	3404.13	50.55	NM	NA	3353.58
MW076SA	09/14/2016	3404.13	51.58	NM	NA	3352.55
MW076SA	05/01/2017	3404.13	51.10	NM	NA	3353.03
MW076SA	09/14/2017	3404.13	50.86	NM	NA	3353.27
MW076SA	03/20/2018	3404.13	50.76	NM	NA	3353.37
MW076SA	09/11/2018	3404.13	50.69	NM	NA	3353.44
MW076SA	04/09/2019	3404.13	50.11	NM	NA	3354.02
MW076SA	10/07/2019	3404.13	50.04	NM	NA	3354.09
MW076SA	03/09/2020	3404.13	49.76	NM	NA	3354.37
MW076SA	03/09/2021	3404.13	50.28	NM	NA	3353.85
MW076SA	10/11/2021	3404.13	50.45	50.42	0.03	3353.70
MW077SA	02/18/2004	3401.71	53.71	NM	NA	3348.00
MW077SA	03/30/2004	3401.71	53.72	NM	NA	3347.99
MW077SA	06/07/2004	3401.71	53.49	NM	NA	3348.22
MW077SA	09/14/2004	3401.71	53.56	NM	NA	3348.15
MW077SA	03/31/2005	3401.71	52.99	NM	NA	3348.72
MW077SA	05/23/2005	3401.71	52.77	NM	NA	3348.94
MW077SA	01/17/2006	3401.71	57.13	NM	NA	3344.58
MW077SA	06/15/2006	3401.71	51.79	NM	NA	3349.92
MW077SA	04/11/2007	3401.71	51.34	NM	NA	3350.37
MW077SA	09/06/2007	3401.71	50.82	NM	NA	3350.89
MW077SA	03/19/2008	3401.71	50.62	NM	NA	3351.09

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Location ID	Date	Top of Casing (feet amsl)	Depth To Groundwater (feet)	Depth to LNAPL (feet btoc)	LNAPL Thickness (feet)	Groundwater Elevation (feet amsl)
MW077SA	08/04/2008	3401.71	50.56	NM	NA	3351.15
MW077SA	03/11/2009	3401.71	50.71	NM	NA	3351.00
MW077SA	07/29/2009	3401.71	50.49	NM	NA	3351.22
MW077SA	03/01/2010	3401.71	50.53	NM	NA	3351.18
MW077SA	07/30/2010	3401.71	50.46	NM	NA	3351.25
MW077SA	05/04/2011	3401.71	50.63	NM	NA	3351.08
MW077SA	11/02/2011	3401.71	50.90	NM	NA	3350.81
MW077SA	05/01/2012	3401.71	50.89	NM	NA	3350.82
MW077SA	10/23/2012	3401.71	50.80	NM	NA	3350.91
MW077SA	04/29/2013	3401.71	50.74	NM	NA	3350.97
MW078SA	03/30/2004	3411.12	44.63	NM	NA	3366.49
MW078SA	06/07/2004	3411.12	45.45	NM	NA	3365.67
MW078SA	09/16/2004	3411.12	45.72	NM	NA	3365.40
MW078SA	11/29/2004	3411.12	45.18	NM	NA	3365.94
MW078SA	03/31/2005	3411.12	44.30	NM	NA	3366.82
MW078SA	05/23/2005	3411.12	44.08	NM	NA	3367.04
MW078SA	01/17/2006	3411.12	43.64	NM	NA	3367.48
MW078SA	06/16/2006	3411.12	43.97	NM	NA	3367.15
MW078SA	04/05/2007	3411.12	43.42	NM	NA	3367.70
MW078SA	09/06/2007	3411.12	43.47	NM	NA	3367.65
MW078SA	03/18/2008	3411.12	43.49	NM	NA	3367.63
MW078SA	08/04/2008	3411.12	44.70	NM	NA	3366.42
MW078SA	03/10/2009	3411.12	43.47	NM	NA	3367.65
MW078SA	07/28/2009	3411.12	44.50	NM	NA	3366.62
MW078SA	03/01/2010	3411.12	44.34	NM	NA	3366.78
MW078SA	07/30/2010	3411.12	44.40	NM	NA	3366.72
MW078SA	05/05/2011	3411.12	44.55	NM	NA	3366.57
MW078SA	11/03/2011	3411.12	45.06	NM	NA	3366.06
MW078SA	05/02/2012	3411.12	44.85	NM	NA	3366.27
MW078SA	10/23/2012	3411.12	45.18	NM	NA	3365.94
MW078SA	04/29/2013	3411.12	44.98	NM	NA	3366.14
MW078SA	10/29/2013	3411.12	45.45	NM	NA	3365.67
MW078SA	05/05/2014	3411.12	45.00	NM	NA	3366.12
MW078SA	11/03/2014	3411.12	45.13	NM	NA	3365.99
MW078SA	05/05/2015	3411.12	44.32	NM	NA	3366.80
MW078SA	11/03/2015	3411.12	44.52	NM	NA	3366.60
MW078SA	04/10/2019	3411.12	38.94	NM	NA	3372.18
MW078SA	03/09/2021	3411.12	NM	NM	NA	NM
MW078SA	10/11/2021	3411.12	DRY	NM	NA	DRY
MW079SA	03/30/2004	3408.8	48.78	NM	NA	3360.02
MW079SA	06/07/2004	3408.8	46.61	NM	NA	3362.19
MW079SA	09/14/2004	3408.8	48.73	NM	NA	3360.07
MW079SA	11/29/2004	3408.8	46.27	NM	NA	3362.53
MW079SA	05/15/2005	3408.8	46.52	NM	NA	3362.28
MW079SA	05/23/2005	3408.8	47.09	NM	NA	3361.71
MW079SA	01/17/2006	3408.8	46.31	NM	NA	3362.49
MW079SA	06/16/2006	3408.8	46.33	NM	NA	3362.47
MW079SA	03/28/2007	3408.8	45.81	NM	NA	3362.99
MW079SA	09/06/2007	3408.8	45.68	NM	NA	3363.12
MW079SA	03/21/2008	3408.8	45.54	NM	NA	3363.26
MW079SA	08/04/2008	3408.8	46.31	NM	NA	3362.49
MW079SA	03/11/2009	3408.8	46.03	NM	NA	3362.77
MW079SA	07/29/2009	3408.8	46.55	NM	NA	3362.25
MW079SA	03/01/2010	3408.8	46.61	NM	NA	3362.19
MW079SA	08/03/2010	3408.8	46.58	NM	NA	3362.22
MW079SA	05/05/2011	3408.8	46.74	NM	NA	3362.06
MW079SA	11/03/2011	3408.8	47.43	NM	NA	3361.37
MW079SA	05/02/2012	3408.8	47.15	NM	NA	3361.65
MW079SA	10/23/2012	3408.8	47.53	NM	NA	3361.27
MW079SA	04/29/2013	3408.8	47.25	NM	NA	3361.55
MW079SA	10/29/2013	3408.8	47.87	NM	NA	3360.93
MW079SA	05/05/2014	3408.8	47.25	NM	NA	3361.55
MW079SA	11/03/2014	3408.8	47.51	NM	NA	3361.29
MW079SA	11/03/2015	3408.8	46.71	NM	NA	3362.09
MW079SA	05/10/2016	3408.8	45.88	NM	NA	3362.92
MW079SA	09/22/2016	3408.8	46.35	NM	NA	3362.45
MW079SA	05/02/2017	3408.8	45.06	NM	NA	3363.74
MW079SA	09/14/2017	3408.8	45.24	NM	NA	3363.56
MW079SA	03/20/2018	3408.8	44.47	NM	NA	3364.33
MW079SA	09/12/2018	3408.8	44.97	NM	NA	3363.83

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Historical Groundwater Elevations
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Former Eunice North Gas Plant
Eunice, Lea County, New Mexico

Location ID	Date	Top of Casing (feet amsl)	Depth To Groundwater (feet)	Depth to LNAPL (feet btoc)	LNAPL Thickness (feet)	Groundwater Elevation (feet amsl)
MW079SA	04/09/2019	3408.80	43.43	NM	NA	3365.37
MW079SA	10/07/2019	3408.80	44.61	NM	NA	3364.19
MW079SA	03/09/2020	3408.80	46.57	NM	NA	3362.23
MW079SA	03/08/2021	3408.80	45.46	NM	NA	3363.34
MW079SA	10/11/2021	3408.80	46.04	NM	NA	3362.76
MW080SA	03/30/2004	3408.92	48.82	NM	NA	3360.10
MW080SA	06/07/2004	3408.92	48.70	NM	NA	3360.22
MW080SA	09/14/2004	3408.92	48.81	NM	NA	3360.11
MW080SA	11/29/2004	3408.92	48.36	NM	NA	3360.56
MW080SA	03/16/2005	3408.92	47.56	NM	NA	3361.36
MW080SA	05/23/2005	3408.92	48.18	NM	NA	3360.74
MW080SA	01/17/2006	3408.92	46.42	NM	NA	3362.50
MW080SA	06/16/2006	3408.92	46.46	NM	NA	3362.46
MW080SA	03/28/2007	3408.92	45.85	NM	NA	3363.07
MW080SA	09/06/2007	3408.92	45.80	NM	NA	3363.12
MW080SA	03/21/2008	3408.92	45.70	NM	NA	3363.22
MW080SA	08/04/2008	3408.92	46.45	NM	NA	3362.47
MW080SA	03/11/2009	3408.92	45.70	NM	NA	3363.22
MW080SA	07/29/2009	3408.92	46.66	NM	NA	3362.26
MW080SA	03/01/2010	3408.92	46.62	NM	NA	3362.30
MW080SA	08/03/2010	3408.92	46.74	NM	NA	3362.18
MW080SA	05/05/2011	3408.92	46.84	NM	NA	3362.08
MW080SA	11/03/2011	3408.92	47.52	NM	NA	3361.40
MW080SA	05/02/2012	3408.92	47.25	NM	NA	3361.67
MW080SA	10/23/2012	3408.92	47.61	NM	NA	3361.31
MW080SA	04/29/2013	3408.92	47.32	NM	NA	3361.60
MW081SA	03/30/2004	3408.28	48.50	NM	NA	3359.78
MW081SA	06/07/2004	3408.28	46.80	NM	NA	3361.48
MW081SA	09/14/2004	3408.28	48.43	NM	NA	3359.85
MW081SA	11/29/2004	3408.28	47.99	NM	NA	3360.29
MW081SA	03/16/2005	3408.28	47.17	NM	NA	3361.11
MW081SA	05/23/2005	3408.28	47.12	NM	NA	3361.16
MW081SA	01/17/2006	3408.28	46.02	NM	NA	3362.26
MW081SA	06/16/2006	3408.28	46.02	NM	NA	3362.26
MW081SA	03/28/2007	3408.28	45.42	NM	NA	3362.86
MW081SA	09/06/2007	3408.28	45.34	NM	NA	3362.94
MW081SA	03/21/2008	3408.28	45.21	NM	NA	3363.07
MW081SA	08/04/2008	3408.28	45.98	NM	NA	3362.30
MW081SA	03/11/2009	3408.28	46.14	NM	NA	3362.14
MW081SA	07/29/2009	3408.28	46.23	NM	NA	3362.05
MW081SA	03/01/2010	3408.28	46.80	NM	NA	3361.48
MW081SA	08/03/2010	3408.28	46.62	NM	NA	3361.66
MW081SA	05/05/2011	3408.28	46.41	NM	NA	3361.87
MW081SA	11/03/2011	3408.28	47.13	NM	NA	3361.15
MW081SA	05/02/2012	3408.28	46.82	NM	NA	3361.46
MW081SA	10/23/2012	3408.28	47.21	NM	NA	3361.07
MW081SA	04/29/2013	3408.28	46.91	NM	NA	3361.37
MW082SA	03/30/2004	3406.25	55.46	NM	NA	3350.79
MW082SA	06/07/2004	3406.25	55.35	NM	NA	3350.90
MW082SA	09/14/2004	3406.25	55.22	NM	NA	3351.03
MW082SA	11/29/2004	3406.25	55.19	NM	NA	3351.06
MW082SA	03/01/2005	3406.25	54.81	NM	NA	3351.44
MW082SA	05/23/2005	3406.25	54.66	NM	NA	3351.59
MW082SA	01/17/2006	3406.25	54.00	NM	NA	3352.25
MW082SA	06/14/2006	3406.25	53.61	NM	NA	3352.64
MW082SA	03/22/2007	3406.25	52.94	NM	NA	3353.31
MW082SA	09/05/2007	3406.25	52.43	NM	NA	3353.82
MW082SA	03/19/2008	3406.25	52.12	NM	NA	3354.13
MW082SA	08/04/2008	3406.25	52.03	NM	NA	3354.22
MW082SA	03/11/2009	3406.25	52.09	NM	NA	3354.16
MW082SA	07/29/2009	3406.25	51.97	NM	NA	3354.28
MW082SA	03/01/2010	3406.25	51.97	NM	NA	3354.28
MW082SA	07/30/2010	3406.25	51.91	NM	NA	3354.34
MW082SA	05/04/2011	3406.25	52.03	NM	NA	3354.22
MW082SA	11/02/2011	3406.25	52.25	NM	NA	3354.00
MW082SA	05/02/2012	3406.25	52.27	NM	NA	3353.98
MW082SA	10/23/2012	3406.25	52.30	NM	NA	3353.95
MW082SA	04/29/2013	3406.25	52.27	NM	NA	3353.98
MW083SA	03/30/2004	3406.11	55.33	NM	NA	3350.78
MW083SA	06/07/2004	3406.11	55.22	NM	NA	3350.89

Appendix C
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Location ID	Date	Top of Casing (feet amsl)	Depth To Groundwater (feet)	Depth to LNAPL (feet btoc)	LNAPL Thickness (feet)	Groundwater Elevation (feet amsl)
MW083SA	09/14/2004	3406.11	54.18	NM	NA	3351.93
MW083SA	11/29/2004	3406.11	55.19	NM	NA	3350.92
MW083SA	03/01/2005	3406.11	54.85	NM	NA	3351.26
MW083SA	05/23/2005	3406.11	54.58	NM	NA	3351.53
MW083SA	01/17/2006	3406.11	53.93	NM	NA	3352.18
MW083SA	06/14/2006	3406.11	53.51	NM	NA	3352.60
MW083SA	03/22/2007	3406.11	52.83	NM	NA	3353.28
MW083SA	09/05/2007	3406.11	52.34	NM	NA	3353.77
MW083SA	03/19/2008	3406.11	52.04	NM	NA	3354.07
MW083SA	08/04/2008	3406.11	51.94	NM	NA	3354.17
MW083SA	03/11/2009	3406.11	52.00	NM	NA	3354.11
MW083SA	07/29/2009	3406.11	51.91	NM	NA	3354.20
MW083SA	03/01/2010	3406.11	51.89	NM	NA	3354.22
MW083SA	07/30/2010	3406.11	51.82	NM	NA	3354.29
MW083SA	05/04/2011	3406.11	57.95	NM	NA	3348.16
MW083SA	11/02/2011	3406.11	52.16	NM	NA	3353.95
MW083SA	05/02/2012	3406.11	52.17	NM	NA	3353.94
MW083SA	10/23/2012	3406.11	52.20	NM	NA	3353.91
MW083SA	04/29/2013	3406.11	52.18	NM	NA	3353.93
MW083SA	10/28/2013	3406.11	52.42	NM	NA	3353.69
MW083SA	05/05/2014	3406.11	52.11	NM	NA	3354.00
MW083SA	11/03/2014	3406.11	52.15	NM	NA	3353.96
MW083SA	05/05/2015	3406.11	51.76	NM	NA	3354.35
MW083SA	11/02/2015	3406.11	51.65	NM	NA	3354.46
MW083SA	05/11/2016	3406.11	51.21	NM	NA	3354.90
MW083SA	09/14/2016	3406.11	51.20	NM	NA	3354.91
MW083SA	05/01/2017	3406.11	50.53	NM	NA	3355.58
MW084SA	03/30/2004	3405.98	54.83	NM	NA	3351.15
MW084SA	06/07/2004	3405.98	54.78	NM	NA	3351.20
MW084SA	09/14/2004	3405.98	54.70	NM	NA	3351.28
MW084SA	11/29/2004	3405.98	54.61	NM	NA	3351.37
MW084SA	03/24/2005	3405.98	54.27	NM	NA	3351.71
MW084SA	05/23/2005	3405.98	54.09	NM	NA	3351.89
MW084SA	01/17/2006	3405.98	53.45	NM	NA	3352.53
MW084SA	06/14/2006	3405.98	53.02	NM	NA	3352.96
MW084SA	09/05/2007	3405.98	51.86	NM	NA	3354.12
MW084SA	03/19/2008	3405.98	51.55	NM	NA	3354.43
MW084SA	08/04/2008	3405.98	51.47	NM	NA	3354.51
MW084SA	03/11/2009	3405.98	51.50	NM	NA	3354.48
MW084SA	07/29/2009	3405.98	51.40	NM	NA	3354.58
MW084SA	03/01/2010	3405.98	51.52	NM	NA	3354.46
MW084SA	07/30/2010	3405.98	51.32	NM	NA	3354.66
MW084SA	05/04/2011	3405.98	54.45	NM	NA	3351.53
MW084SA	11/02/2011	3405.98	51.65	NM	NA	3354.33
MW084SA	05/02/2012	3405.98	51.65	NM	NA	3354.33
MW084SA	10/23/2012	3405.98	51.71	NM	NA	3354.27
MW084SA	04/29/2013	3405.98	51.70	NM	NA	3354.28
MW084SA	10/28/2013	3405.98	51.86	NM	NA	3354.12
MW084SA	05/05/2014	3405.98	51.63	NM	NA	3354.35
MW084SA	11/03/2014	3405.98	51.68	NM	NA	3354.30
MW084SA	05/05/2015	3405.98	51.28	NM	NA	3354.70
MW084SA	11/02/2015	3405.98	51.16	NM	NA	3354.82
MW084SA	05/11/2016	3405.98	50.76	NM	NA	3355.22
MW084SA	09/14/2016	3405.98	50.70	NM	NA	3355.28
MW084SA	05/01/2017	3405.98	50.08	NM	NA	3355.90
MW084SA	09/14/2017	3405.98	49.89	NM	NA	3356.09
MW084SA	03/20/2018	3405.98	49.72	NM	NA	3356.26
MW084SA	09/10/2018	3405.98	50.05	NM	NA	3355.93
MW084SA	04/09/2019	3405.98	49.21	NM	NA	3356.77
MW084SA	10/07/2019	3405.98	49.09	NM	NA	3356.89
MW084SA	03/09/2020	3405.98	48.87	NM	NA	3357.11
MW084SA	09/23/2020	3405.98	48.87	NM	NA	3357.11
MW084SA	03/09/2021	3405.98	49.28	NM	NA	3356.70
MW084SA	10/11/2021	3405.98	49.44	NM	NA	3356.54
MW085SA	03/30/2004	3405.98	55.24	NM	NA	3350.74
MW085SA	06/07/2004	3405.98	55.08	NM	NA	3350.90
MW085SA	09/14/2004	3405.98	55.08	NM	NA	3350.90
MW085SA	11/29/2004	3405.98	54.98	NM	NA	3351.00
MW085SA	03/24/2005	3405.98	54.66	NM	NA	3351.32
MW085SA	05/23/2005	3405.98	54.44	NM	NA	3351.54

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Location ID	Date	Top of Casing (feet amsl)	Depth To Groundwater (feet)	Depth to LNAPL (feet btoc)	LNAPL Thickness (feet)	Groundwater Elevation (feet amsl)
MW085SA	01/17/2006	3405.98	53.82	NM	NA	3352.16
MW085SA	06/14/2006	3405.98	53.40	NM	NA	3352.58
MW085SA	09/05/2007	3405.98	52.24	NM	NA	3353.74
MW085SA	03/19/2008	3405.98	51.92	NM	NA	3354.06
MW085SA	08/04/2008	3405.98	51.84	NM	NA	3354.14
MW085SA	03/11/2009	3405.98	51.90	NM	NA	3354.08
MW085SA	07/29/2009	3405.98	51.79	NM	NA	3354.19
MW085SA	03/01/2010	3405.98	51.89	NM	NA	3354.09
MW085SA	07/30/2010	3405.98	51.71	NM	NA	3354.27
MW085SA	05/04/2011	3405.98	51.82	NM	NA	3354.16
MW085SA	11/02/2011	3405.98	52.05	NM	NA	3353.93
MW085SA	05/02/2012	3405.98	52.04	NM	NA	3353.94
MW085SA	10/23/2012	3405.98	52.10	NM	NA	3353.88
MW085SA	04/29/2013	3405.98	52.07	NM	NA	3353.91
MW085SA	10/28/2013	3405.98	52.32	NM	NA	3353.66
MW085SA	05/05/2014	3405.98	52.00	NM	NA	3353.98
MW085SA	11/03/2014	3405.98	52.04	NM	NA	3353.94
MW085SA	05/05/2015	3405.98	51.64	NM	NA	3354.34
MW085SA	11/02/2015	3405.98	51.35	NM	NA	3354.63
MW085SA	05/11/2016	3405.98	51.10	NM	NA	3354.88
MW085SA	09/14/2016	3405.98	51.06	NM	NA	3354.92
MW085SA	05/01/2017	3405.98	50.44	NM	NA	3355.54
MW085SA	09/14/2017	3405.98	50.24	NM	NA	3355.74
MW085SA	03/20/2018	3405.98	50.07	NM	NA	3355.91
MW085SA	09/10/2018	3405.98	50.05	NM	NA	3355.93
MW085SA	04/09/2019	3405.98	49.53	NM	NA	3356.45
MW085SA	10/07/2019	3405.98	49.42	NM	NA	3356.56
MW085SA	03/09/2020	3405.98	49.19	NM	NA	3356.79
MW085SA	09/23/2020	3405.98	49.22	NM	NA	3356.76
MW085SA	03/09/2021	3405.98	49.67	NM	NA	3356.31
MW085SA	10/11/2021	3405.98	49.81	NM	NA	3356.17
MW086SA	09/14/2004	3401.86	53.74	NM	NA	3348.12
MW086SA	03/31/2005	3401.86	53.08	NM	NA	3348.78
MW086SA	05/23/2005	3401.86	52.83	NM	NA	3349.03
MW086SA	01/17/2006	3401.86	52.18	NM	NA	3349.68
MW086SA	06/15/2006	3401.86	51.86	NM	NA	3350.00
MW086SA	04/11/2007	3401.86	51.38	NM	NA	3350.48
MW086SA	09/20/2007	3401.86	50.87	NM	NA	3350.99
MW086SA	03/19/2008	3401.86	50.71	NM	NA	3351.15
MW086SA	08/04/2008	3401.86	50.72	NM	NA	3351.14
MW086SA	03/11/2009	3401.86	50.91	NM	NA	3350.95
MW086SA	07/29/2009	3401.86	50.67	NM	NA	3351.19
MW086SA	03/01/2010	3401.86	50.74	NM	NA	3351.12
MW086SA	07/30/2010	3401.86	50.64	NM	NA	3351.22
MW086SA	05/04/2011	3401.86	50.92	NM	NA	3350.94
MW086SA	11/03/2011	3401.86	21.20	NM	NA	3380.66
MW086SA	05/01/2012	3401.86	51.16	NM	NA	3350.70
MW086SA	10/23/2012	3401.86	51.09	NM	NA	3350.77
MW086SA	04/29/2013	3401.86	51.01	NM	NA	3350.85
MW086SA	10/28/2013	3401.86	51.15	NM	NA	3350.71
MW086SA	05/05/2014	3401.86	50.81	NM	NA	3351.05
MW086SA	11/03/2014	3401.86	50.86	NM	NA	3351.00
MW086SA	05/05/2015	3401.86	50.29	NM	NA	3351.57
MW086SA	11/02/2015	3401.86	50.36	NM	NA	3351.50
MW086SA	05/11/2016	3401.86	49.68	NM	NA	3352.18
MW086SA	09/14/2016	3401.86	49.79	NM	NA	3352.07
MW086SA	05/01/2017	3401.86	49.25	NM	NA	3352.61
MW086SA	03/20/2018	3401.86	48.93	NM	NA	3352.93
MW086SA	09/11/2018	3401.86	49.73	NM	NA	3352.13
MW086SA**	09/18/2017	3401.86	66.76	NM	NA	3335.10
MW086SA	04/09/2019	3401.86	48.08	NM	NA	3353.78
MW086SA	10/07/2019	3401.86	48.17	NM	NA	3353.69
MW086SA	03/09/2020	3401.86	47.81	NM	NA	3354.05
MW086SA	09/24/2020	3401.86	48.35	NM	NA	3353.51
MW086SA	03/10/2021	3401.86	48.64	NM	NA	3353.22
MW086SA	10/11/2021	3401.86	48.92	NM	NA	3352.94
MW087A	09/24/2004	3430.75	50.05	NM	NA	3380.70
MW087A	03/31/2005	3430.75	50.85	NM	NA	3379.90
MW087A	05/23/2005	3430.75	50.74	NM	NA	3380.01
MW087A	01/17/2006	3430.75	50.15	NM	NA	3380.60

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)	Depth to LNAPL (feet btoc)	LNAPL Thickness (feet)	Groundwater Elevation (feet amsl)
MW087A	06/19/2006	3430.75	49.95	NM	NA	3380.80
MW087A	04/13/2007	3430.75	49.41	NM	NA	3381.34
MW087A	03/24/2008	3430.75	49.51	NM	NA	3381.24
MW087A	03/11/2009	3430.75	49.84	NM	NA	3380.91
MW087A	03/01/2010	3430.75	50.13	NM	NA	3380.62
MW087A	08/03/2010	3430.75	50.17	NM	NA	3380.58
MW087A	05/04/2011	3430.75	49.94	NM	NA	3380.81
MW087A	11/04/2011	3430.75	49.89	NM	NA	3380.86
MW087A	05/04/2012	3430.75	50.21	NM	NA	3380.54
MW087A	10/23/2012	3430.75	50.42	NM	NA	3380.33
MW087A	05/02/2013	3430.75	50.60	NM	NA	3380.15
MW087A	10/28/2013	3430.75	50.63	NM	NA	3380.12
MW087A	05/05/2014	3430.75	50.68	NM	NA	3380.07
MW087A	11/04/2014	3430.75	50.42	NM	NA	3380.33
MW087A	05/06/2015	3430.75	50.12	NM	NA	3380.63
MW087A	09/16/2015	3430.75	49.86	NM	NA	3380.89
MW087A	11/02/2015	3430.75	50.03	NM	NA	3380.72
MW087A	05/12/2016	3430.75	50.00	NM	NA	3380.75
MW087A	05/03/2017	3430.75	49.37	NM	NA	3381.38
MW087A	03/20/2018	3430.75	49.09	NM	NA	3381.66
MW087A	04/10/2019	3430.75	48.97	NM	NA	3381.78
MW087A	03/09/2020	3430.75	49.21	NM	NA	3381.54
MW087A	03/08/2021	3430.75	49.06	NM	NA	3381.69
MW087A	10/11/2021	3430.75	49.1	NM	NA	3381.65
MW088M	09/24/2004	3430.63	50.65	NM	NA	3379.98
MW088M	03/31/2005	3430.63	50.61	NM	NA	3380.02
MW088M	05/23/2005	3430.63	50.25	NM	NA	3380.38
MW088M	01/16/2006	3430.63	49.90	NM	NA	3380.73
MW088M	06/19/2006	3430.63	49.67	NM	NA	3380.96
MW088M	04/05/2007	3430.63	49.25	NM	NA	3381.38
MW088M	03/21/2008	3430.63	49.00	NM	NA	3381.63
MW088M	03/11/2009	3430.63	49.30	NM	NA	3381.33
MW088M	03/01/2010	3430.63	49.52	NM	NA	3381.11
MW088M	08/03/2010	3430.63	48.77	NM	NA	3381.86
MW088M	05/03/2011	3430.63	49.60	NM	NA	3381.03
MW088M	11/02/2011	3430.27	49.57	NM	NA	3380.70
MW088M	05/03/2012	3430.27	49.72	NM	NA	3380.55
MW088M	10/24/2012	3430.27	49.81	NM	NA	3380.46
MW088M	05/01/2013	3430.27	49.94	NM	NA	3380.33
MW088M	10/29/2013	3430.27	50.01	NM	NA	3380.26
MW088M	05/05/2014	3430.27	50.08	NM	NA	3380.19
MW088M	05/06/2015	3430.27	49.64	NM	NA	3380.63
MW088M	09/16/2015	3430.27	49.41	NM	NA	3380.86
MW088M	11/03/2015	3430.27	49.53	NM	NA	3380.74
MW088M	05/09/2016	3430.27	49.37	NM	NA	3380.90
MW088M	05/02/2017	3430.27	48.92	NM	NA	3381.35
MW088M	09/18/2017	3430.27	48.78	NM	NA	3381.49
MW088M**	03/20/2018	3430.27	43.64	NM	NA	3386.63
MW088M	09/13/2018	3430.27	48.58	NM	NA	3381.69
MW088M	04/10/2019	3430.27	48.34	NM	NA	3381.93
MW088M	10/07/2019	3430.27	48.55	NM	NA	3381.72
MW088M	03/09/2020	3430.27	49.61	NM	NA	3380.66
MW088M	03/08/2021	3430.27	48.46	NM	NA	3381.81
MW088M	10/11/2021	3430.27	48.45	NM	NA	3381.82
MW089SA	01/17/2006	3428.09	48.30	NM	NA	3379.79
MW089SA	06/20/2006	3428.09	48.10	NM	NA	3379.99
MW089SA	04/05/2007	3428.09	47.87	NM	NA	3380.22
MW089SA	03/21/2008	3428.09	47.79	NM	NA	3380.30
MW089SA	03/11/2009	3428.09	48.30	NM	NA	3379.79
MW089SA	03/01/2010	3428.09	48.54	NM	NA	3379.55
MW089SA	08/02/2010	3428.09	48.54	NM	NA	3379.55
MW089SA	05/04/2011	3428.09	48.45	NM	NA	3379.64
MW089SA	11/04/2011	3428.09	48.61	NM	NA	3379.48
MW089SA	05/03/2012	3428.09	48.77	NM	NA	3379.32
MW089SA	10/23/2012	3428.09	48.99	NM	NA	3379.10
MW089SA	05/01/2013	3428.09	49.19	NM	NA	3378.90
MW089SA	10/29/2013	3428.09	49.35	NM	NA	3378.74
MW089SA	05/05/2014	3428.09	49.41	NM	NA	3378.68
MW089SA	11/03/2014	3428.09	48.90	NM	NA	3379.19
MW089SA	05/05/2015	3428.09	48.60	NM	NA	3379.49

Appendix C
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Location ID	Date	Top of Casing (feet amsl)	Depth To Groundwater (feet)	Depth to LNAPL (feet btoc)	LNAPL Thickness (feet)	Groundwater Elevation (feet amsl)
MW089SA	11/02/2015	3428.09	48.60	NM	NA	3379.49
MW089SA	05/12/2016	3428.09	48.42	NM	NA	3379.67
MW089SA	09/14/2016	3428.09	48.37	NM	NA	3379.72
MW089SA	05/02/2017	3428.09	47.75	NM	NA	3380.34
MW089SA	09/18/2017	3428.09	47.64	NM	NA	3380.45
MW089SA	03/21/2018	3428.09	47.42	NM	NA	3380.67
MW089SA	09/14/2018	3428.09	47.64	NM	NA	3380.45
MW089SA	04/10/2019	3428.09	47.27	NM	NA	3380.82
MW089SA	10/07/2019	3428.09	47.57	NM	NA	3380.52
MW089SA	03/09/2020	3428.09	48.12	NM	NA	3379.97
MW089SA	03/08/2021	3428.09	47.26	NM	NA	3380.83
MW090SA	01/18/2006	3428.33	48.76	NM	NA	3379.57
MW090SA	06/20/2006	3428.33	48.57	NM	NA	3379.76
MW090SA	04/05/2007	3428.33	48.42	NM	NA	3379.91
MW090SA	03/21/2008	3428.33	48.29	NM	NA	3380.04
MW090SA	03/11/2009	3428.33	48.79	NM	NA	3379.54
MW090SA	07/29/2009	3428.33	48.98	NM	NA	3379.35
MW090SA	03/01/2010	3428.33	49.00	NM	NA	3379.33
MW090SA	08/02/2010	3428.33	49.02	NM	NA	3379.31
MW090SA	05/04/2011	3428.33	48.90	NM	NA	3379.43
MW090SA	11/04/2011	3428.33	49.11	NM	NA	3379.22
MW090SA	05/03/2012	3428.33	49.26	NM	NA	3379.07
MW090SA	10/23/2012	3428.33	49.51	NM	NA	3378.82
MW090SA	05/01/2013	3428.33	49.67	NM	NA	3378.66
MW090SA	10/29/2013	3428.33	49.90	NM	NA	3378.43
MW090SA	05/05/2014	3428.33	49.91	NM	NA	3378.42
MW090SA	11/03/2014	3428.33	49.43	NM	NA	3378.90
MW090SA	05/05/2015	3428.33	49.61	NM	NA	3378.72
MW090SA	11/02/2015	3428.33	49.14	NM	NA	3379.19
MW090SA	05/12/2016	3428.33	48.94	NM	NA	3379.39
MW090SA	09/14/2016	3428.33	48.87	NM	NA	3379.46
MW090SA	05/02/2017	3428.33	48.25	NM	NA	3380.08
MW090SA	03/21/2018	3428.33	47.96	NM	NA	3380.37
MW090SA	04/10/2019	3428.33	47.78	NM	NA	3380.55
MW090SA	10/07/2019	3428.33	48.09	NM	NA	3380.24
MW090SA	03/09/2020	3428.33	47.62	NM	NA	3380.71
MW090SA	03/08/2021	3428.33	47.79	NM	NA	3380.54
MW091SA	01/17/2006	3422.45	43.90	NM	NA	3378.55
MW091SA	06/20/2006	3422.45	43.86	NM	NA	3378.59
MW091SA	04/05/2007	3422.45	43.37	NM	NA	3379.08
MW091SA	03/19/2008	3422.45	43.33	NM	NA	3379.12
MW091SA	03/11/2009	3422.45	43.84	NM	NA	3378.61
MW091SA	03/01/2010	3422.45	43.90	NM	NA	3378.55
MW091SA	08/02/2010	3422.45	43.93	NM	NA	3378.52
MW091SA	05/04/2011	3422.45	43.85	NM	NA	3378.60
MW091SA	11/04/2011	3422.45	44.15	NM	NA	3378.30
MW091SA	05/02/2012	3422.45	44.15	NM	NA	3378.30
MW091SA	10/24/2012	3422.45	44.50	NM	NA	3377.95
MW091SA	04/30/2013	3422.45	44.70	NM	NA	3377.75
MW091SA	10/28/2013	3422.45	45.10	NM	NA	3377.35
MW091SA	05/05/2014	3422.45	45.01	NM	NA	3377.44
MW091SA	11/03/2014	3422.45	44.45	NM	NA	3378.00
MW091SA	05/05/2015	3422.45	44.19	NM	NA	3378.26
MW091SA	11/02/2015	3422.45	44.25	NM	NA	3378.20
MW091SA	05/11/2016	3422.45	44.02	NM	NA	3378.43
MW091SA	09/15/2016	3422.45	43.93	NM	NA	3378.52
MW091SA	05/01/2017	3422.45	43.28	NM	NA	3379.17
MW091SA	03/09/2020	NM	43.23	NM	NA	NM
MW091SA	03/08/2021	NM	NM	NM	NA	NM
MW092SA	01/17/2006	3422.51	43.94	NM	NA	3378.57
MW092SA	06/20/2006	3422.51	43.62	NM	NA	3378.89
MW092SA	04/05/2007	3422.51	43.50	NM	NA	3379.01
MW092SA	03/19/2008	3422.51	43.38	NM	NA	3379.13
MW092SA	03/11/2009	3422.51	43.89	NM	NA	3378.62
MW092SA	03/01/2010	3422.51	43.92	NM	NA	3378.59
MW092SA	08/02/2010	3422.51	43.94	NM	NA	3378.57
MW092SA	05/04/2011	3422.51	43.91	NM	NA	3378.60
MW092SA	11/04/2011	3422.51	44.17	NM	NA	3378.34
MW092SA	05/02/2012	3422.51	44.16	NM	NA	3378.35
MW092SA	10/24/2012	3422.51	44.54	NM	NA	3377.97

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ARCADIS Design & Consultancy for natural and built assets

Location ID	Date	Top of Casing (feet amsl)	Depth To Groundwater (feet)	Depth to LNAPL (feet btoc)	LNAPL Thickness (feet)	Groundwater Elevation (feet amsl)
MW092SA	04/30/2013	3422.51	44.74	NM	NA	3377.77
MW093SA	01/17/2006	3422.72	44.13	NM	NA	3378.59
MW093SA	06/20/2006	3422.72	43.60	NM	NA	3379.12
MW093SA	04/05/2007	3422.72	43.56	NM	NA	3379.16
MW093SA	03/24/2008	3422.72	43.55	NM	NA	3379.17
MW093SA	03/11/2009	3422.72	44.12	NM	NA	3378.60
MW093SA	03/01/2010	3422.72	44.13	NM	NA	3378.59
MW093SA	08/02/2010	3422.72	44.70	NM	NA	3378.02
MW093SA	05/04/2011	3422.72	44.14	NM	NA	3378.58
MW093SA	11/04/2011	3422.72	44.42	NM	NA	3378.30
MW093SA	05/02/2012	3422.72	44.43	NM	NA	3378.29
MW093SA	10/24/2012	3422.72	44.78	NM	NA	3377.94
MW093SA	04/30/2013	3422.72	45.00	NM	NA	3377.72
MW093SA	10/28/2013	3422.72	45.30	NM	NA	3377.42
MW093SA	05/05/2014	3422.72	45.31	NM	NA	3377.41
MW093SA	11/03/2014	3422.72	44.79	NM	NA	3377.93
MW093SA	05/05/2015	3422.72	44.59	NM	NA	3378.13
MW093SA	11/02/2015	3422.72	44.58	NM	NA	3378.14
MW093SA	05/11/2016	3422.72	44.38	NM	NA	3378.34
MW093SA	09/15/2016	3422.72	44.23	NM	NA	3378.49
MW093SA	05/01/2017	3422.72	43.61	NM	NA	3379.11
MW093SA	09/18/2017	3422.72	43.65	NM	NA	3379.07
MW093SA	03/21/2018	3422.72	43.48	NM	NA	3379.24
MW093SA	09/10/2018	3422.72	43.66	NM	NA	3379.06
MW093SA	04/10/2019	3422.72	43.22	NM	NA	3379.50
MW093SA	10/07/2019	3422.72	43.82	NM	NA	3378.90
MW093SA	03/09/2020	3422.72	43.54	NM	NA	3379.18
MW093SA	09/23/2020	3422.72	43.49	NM	NA	3379.23
MW093SA	03/09/2021	3422.72	43.23	NM	NA	3379.49
MW093SA	10/11/2021	3422.72	45.13	NM	NA	3377.59
MW094	11/01/2011	3443.15	61.82	NM	NA	3381.33
MW094	05/01/2012	3443.15	61.99	NM	NA	3381.16
MW094	10/24/2012	3443.15	62.03	NM	NA	3381.12
MW094	04/30/2013	3443.15	62.13	NM	NA	3381.02
MW094	10/28/2013	3443.15	62.07	NM	NA	3381.08
MW094	05/05/2014	3443.15	62.26	NM	NA	3380.89
MW094	11/03/2014	3443.15	62.18	NM	NA	3380.97
MW094	05/06/2015	3443.15	62.03	NM	NA	3381.12
MW094	11/03/2015	3443.15	61.95	NM	NA	3381.20
MW094	05/09/2016	3443.15	61.92	NM	NA	3381.23
MW094	09/22/2016	3443.15	62.02	NM	NA	3381.13
MW094	05/02/2017	3443.15	61.62	NM	NA	3381.53
MW094	03/21/2018	3443.15	61.43	NM	NA	3381.72
MW094	04/10/2019	3443.15	61.10	NM	NA	3382.05
MW094	03/09/2020	3443.15	61.27	NM	NA	3381.88
MW094	03/11/2021	3443.15	61.64	NM	NA	3381.51
MW094	10/11/2021	3443.15	61.17	NM	NA	3381.98
MW095	11/01/2011	3436.13	55.05	NM	NA	3381.08
MW095	05/01/2012	3436.13	55.13	NM	NA	3381.00
MW095	10/24/2012	3436.13	55.17	NM	NA	3380.96
MW095	05/01/2013	3436.13	55.38	NM	NA	3380.75
MW095	10/29/2013	3436.13	55.52	NM	NA	3380.61
MW095	05/05/2014	3436.13	55.50	NM	NA	3380.63
MW095	11/06/2014	3436.13	55.52	NM	NA	3380.61
MW095	05/06/2015	3436.13	55.21	NM	NA	3380.92
MW095	11/03/2015	3436.13	55.13	NM	NA	3381.00
MW095	05/09/2016	3436.13	55.00	NM	NA	3381.13
MW095	09/22/2016	3436.13	55.08	NM	NA	3381.05
MW095	05/02/2017	3436.13	54.68	NM	NA	3381.45
MW095	03/20/2018	3436.13	54.44	NM	NA	3381.69
MW095	09/13/2018	3436.13	54.4	NM	NA	3381.73
MW095	04/10/2019	3436.13	54.19	NM	NA	3381.94
MW095	10/07/2019	3436.13	54.29	NM	NA	3381.84
MW095	03/09/2020	3436.13	54.35	NM	NA	3381.78
MW095	09/23/2020	3436.13	54.1	NM	NA	3382.03
MW095	03/11/2021	3436.13	54.19	NM	NA	3381.94
MW095	10/11/2021	3436.13	54.15	NM	NA	3381.98
MW096P	05/05/2014	NM	49.80	NM	NA	NM
MW096P	11/03/2014	NM	49.30	NM	NA	NM
MW096P	05/06/2015	NM	49.10	NM	NA	NM

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Location ID	Date	Top of Casing (feet amsl)	Depth To Groundwater (feet)	Depth to LNAPL (feet btoc)	LNAPL Thickness (feet)	Groundwater Elevation (feet amsl)
MW096P	11/03/2015	NM	49.11	NM	NA	NM
MW096P	05/12/2016	NM	48.91	NM	NA	NM
MW096P	09/21/2016	NM	48.70	NM	NA	NM
MW096P	05/03/2017	NM	48.24	NM	NA	NM
MW097P	05/05/2014	NM	48.26	NM	NA	NM
MW097P	11/04/2014	NM	47.70	NM	NA	NM
MW097P	05/06/2015	NM	47.61	NM	NA	NM
MW097P	11/02/2015	NM	47.54	NM	NA	NM
MW097P	05/12/2016	NM	48.91	NM	NA	NM
MW097P	09/21/2016	NM	47.23	NM	NA	NM
MW097P	05/03/2017	NM	46.71	NM	NA	NM
MW097P	03/20/2018	NM	46.45	NM	NA	NM
MW097P	04/10/2019	NM	46.3	NM	NA	NM
MW097P	03/09/2020	NM	46.66	NM	NA	NM
MW097P	03/08/2021	NM	46.44	NM	NA	NM
MW099	05/02/2017	3444.76	62.73	NM	NA	3382.03
MW099	09/18/2017	3444.76	62.68	NM	NA	3382.08
MW099	03/21/2018	3444.76	62.59	NM	NA	3382.17
MW099	09/13/2018	3444.76	62.9	NM	NA	3381.86
MW099	04/10/2019	3444.76	DRY	NM	NA	NM
MW099	10/07/2019	3444.76	62.37	NM	NA	3382.39
MW099	03/09/2020	3444.76	58.92	NM	NA	3385.84
MW099	03/11/2021	3444.76	62.22	NM	NA	3382.54
MW099	10/11/2021	3444.76	62.16	NM	NA	3382.60
MW100	05/03/2017	3406.49	52.66	NM	NA	3353.83
MW100	09/14/2017	3406.49	52.44	NM	NA	3354.05
MW100	03/21/2018	3406.49	52.32	NM	NA	3354.17
MW100	09/10/2018	3406.49	52.28	NM	NA	3354.21
MW100	04/09/2019	3406.49	51.72	NM	NA	3354.77
MW100	10/07/2019	3406.49	51.71	NM	NA	3354.78
MW100	03/09/2020	3406.49	51.56	NM	NA	3354.93
MW100	09/23/2020	3406.49	51.44	NM	NA	3355.05
MW100	03/10/2021	3406.49	51.86	NM	NA	3354.63
MW100	10/11/2021	3406.49	51.92	NM	NA	3354.57
RolandWW	12/18/1997	3419.47	43.12	NM	NA	3376.35
RolandWW	11/16/1999	3419.47	41.58	NM	NA	3377.89
RolandWW	05/15/2001	3419.47	41.06	NM	NA	3378.41
RolandWW	08/23/2001	3419.47	40.92	NM	NA	3378.55
RolandWW	01/21/2002	3419.47	41.09	NM	NA	3378.38
RolandWW	04/4/2002	3419.47	41.32	NM	NA	3378.15
RolandWW	09/3/2002	3419.47	40.90	NM	NA	3378.57
RolandWW	12/2/2002	3419.47	40.80	NM	NA	3378.67
RolandWW	01/31/2003	3419.47	40.79	NM	NA	3378.68
RolandWW	03/28/2003	3419.47	40.74	NM	NA	3378.73
RolandWW	06/3/2003	3419.47	40.92	NM	NA	3378.55
RolandWW	09/9/2003	3419.47	41.03	NM	NA	3378.44
RolandWW	12/2/2003	3419.47	41.14	NM	NA	3378.33
RolandWW	03/30/2004	3419.47	41.35	NM	NA	3378.12
RolandWW	06/7/2004	3419.47	41.17	NM	NA	3378.30
RolandWW	03/31/2005	3419.47	39.62	NM	NA	3379.85
RolandWW	05/23/2005	3419.47	39.81	NM	NA	3379.66
RolandWW	06/23/2006	3419.47	39.56	NM	NA	3379.91
RolandWW	03/11/2009	3419.47	39.69	NM	NA	3379.78
RolandWW	03/1/2010	3419.47	0.00	NM	NA	3419.47
RolandWW	05/2/2017	3419.47	38.99	NM	NA	3380.48
RW001	11/16/1999	3428.32	50.41	NM	NA	3377.91
RW001	05/15/2001	3428.32	49.65	NM	NA	3378.67
RW001	08/23/2001	3428.32	50.04	NM	NA	3378.28
RW001	01/21/2002	3428.32	49.85	NM	NA	3378.47
RW001	04/04/2002	3428.32	49.97	NM	NA	3378.35
RW001	09/03/2002	3428.32	49.88	NM	NA	3378.44
RW001	12/02/2002	3428.32	49.53	NM	NA	3378.79
RW001	01/31/2003	3428.32	49.63	NM	NA	3378.69
RW001	03/28/2003	3428.32	49.62	NM	NA	3378.70
RW001	05/19/2003	3428.32	49.51	NM	NA	3378.81
RW001	09/09/2003	3428.32	49.66	NM	NA	3378.66
RW001	12/03/2003	3428.32	49.71	NM	NA	3378.61
RW001	03/30/2004	3428.32	49.81	NM	NA	3378.51
RW001	06/07/2004	3428.32	49.75	NM	NA	3378.57
RW001	09/17/2004	3428.32	49.34	NM	NA	3378.98

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Location ID	Date	Top of Casing (feet amsl)	Depth To Groundwater (feet)	Depth to LNAPL (feet btoc)	LNAPL Thickness (feet)	Groundwater Elevation (feet amsl)
RW001	11/29/2004	3428.32	48.80	NM	NA	3379.52
RW001	03/31/2005	3428.32	48.43	NM	NA	3379.89
RW001	05/23/2005	3428.32	50.25	NM	NA	3378.07
RW002	01/21/2002	3431.66	52.98	NM	NA	3378.68
RW002	04/04/2002	3431.66	53.05	NM	NA	3378.61
RW002	09/03/2002	3431.66	52.95	NM	NA	3378.71
RW002	12/02/2002	3431.66	52.81	NM	NA	3378.85
RW002	01/30/2003	3431.66	52.75	NM	NA	3378.91
RW002	03/28/2003	3431.66	52.76	NM	NA	3378.90
RW002	05/19/2003	3431.66	52.73	NM	NA	3378.93
RW002	09/09/2003	3431.66	52.72	NM	NA	3378.94
RW002	12/03/2003	3431.66	52.66	NM	NA	3379.00
RW002	03/30/2004	3431.66	52.77	NM	NA	3378.89
RW002	06/07/2004	3431.66	52.77	NM	NA	3378.89
RW002	11/29/2004	3431.66	52.34	NM	NA	3379.32
RW002	03/31/2005	3431.66	51.05	NM	NA	3380.61
RW002	05/23/2005	3431.66	51.77	NM	NA	3379.89
RW002	01/16/2006	3431.66	51.35	NM	NA	3380.31
RW002	06/19/2006	3431.66	51.11	NM	NA	3380.55
RW002	03/29/2007	3431.66	50.60	NM	NA	3381.06
RW002	03/24/2008	3431.66	50.45	NM	NA	3381.21
RW002	03/11/2009	3431.66	50.70	NM	NA	3380.96
RW002	03/01/2010	3431.66	50.94	NM	NA	3380.72
RW002	08/03/2010	3431.66	50.98	NM	NA	3380.68
RW002	05/05/2011	3431.66	50.80	NM	NA	3380.86
RW002	11/02/2011	3431.66	48.72	NM	NA	3382.94
RW002	05/03/2012	3431.66	50.99	NM	NA	3380.67
RW002	10/23/2012	3431.66	51.15	NM	NA	3380.51
RW002	05/02/2013	3431.66	51.34	NM	NA	3380.32
RW003	01/21/2002	3429.82	50.75	NM	NA	3379.07
RW003	04/04/2002	3429.82	50.78	NM	NA	3379.04
RW003	09/03/2002	3429.82	50.75	NM	NA	3379.07
RW003	12/02/2002	3429.82	50.56	NM	NA	3379.26
RW003	01/30/2003	3429.82	50.45	NM	NA	3379.37
RW003	03/28/2003	3429.82	50.55	NM	NA	3379.27
RW003	05/19/2003	3429.82	50.49	NM	NA	3379.33
RW003	09/09/2003	3429.82	50.40	NM	NA	3379.42
RW003	12/03/2003	3429.82	50.34	NM	NA	3379.48
RW003	03/30/2004	3429.82	50.53	NM	NA	3379.29
RW003	06/07/2004	3429.82	50.43	NM	NA	3379.39
RW003	11/30/2004	3429.82	50.13	NM	NA	3379.69
RW003	03/31/2005	3429.82	49.90	NM	NA	3379.92
RW003	05/23/2005	3429.82	49.55	NM	NA	3380.27
RW003	01/16/2006	3429.82	49.20	NM	NA	3380.62
RW003	06/19/2006	3429.82	48.95	NM	NA	3380.87
RW003	04/02/2007	3429.82	48.53	NM	NA	3381.29
RW003	03/19/2008	3429.82	48.30	NM	NA	3381.52
RW003	03/11/2009	3429.82	48.58	NM	NA	3381.24
RW003	03/01/2010	3429.82	48.86	NM	NA	3380.96
RW003	08/03/2010	3429.82	48.92	NM	NA	3380.90
RW003	05/05/2011	3429.82	48.78	NM	NA	3381.04
RW003	11/02/2011	3429.82	49.13	NM	NA	3380.69
RW003	05/03/2012	3429.82	48.92	NM	NA	3380.90
RW003	10/24/2012	3429.82	48.96	NM	NA	3380.86
RW003	05/01/2013	3429.82	49.12	NM	NA	3380.70
RW003	10/29/2013	3429.82	49.18	NM	NA	3380.64
RW003	05/05/2014	3429.82	49.27	NM	NA	3380.55
RW003	11/03/2014	3429.82	49.12	NM	NA	3380.70
RW003	05/06/2015	3429.82	48.88	NM	NA	3380.94
RW003	09/16/2015	3429.82	48.67	NM	NA	3381.15
RW003	11/03/2015	3429.82	48.78	NM	NA	3381.04
RW003	05/09/2016	3429.82	48.63	NM	NA	3381.19
RW003	05/02/2017	3429.82	48.20	NM	NA	3381.62
RW004A	01/21/2002	3430.11	51.51	NM	NA	3378.6
RW004A	04/04/2002	3430.11	51.59	NM	NA	3378.52
RW004A	09/03/2002	3430.11	51.45	NM	NA	3378.66
RW004A	12/02/2002	3430.11	51.10	NM	NA	3379.01
RW004A	01/31/2003	3430.11	51.14	NM	NA	3378.97
RW004A	03/28/2003	3430.11	51.16	NM	NA	3378.95
RW004A	05/19/2003	3430.11	51.23	NM	NA	3378.88

Appendix C
Historical Groundwater Elevations
2021 Annual Groundwater Monitoring Report
Former Eunice North Gas Plant
Eunice, Lea County, New Mexico

Location ID	Date	Top of Casing (feet amsl)	Depth To Groundwater (feet)	Depth to LNAPL (feet btoc)	LNAPL Thickness (feet)	Groundwater Elevation (feet amsl)
RW004A	09/09/2003	3430.11	46.36	NM	NA	3383.75
RW004A	12/03/2003	3430.11	51.53	NM	NA	3378.58
RW004A	03/30/2004	3430.74	52.34	NM	NA	3378.4
RW004A	06/07/2004	3430.74	51.61	NM	NA	3379.13
RW004A	11/30/2004	3430.74	51.56	NM	NA	3379.18
RW004A	03/31/2005	3430.74	51.97	NM	NA	3378.77
RW004A	05/23/2005	3430.74	52.13	NM	NA	3378.61
RW004A	01/18/2006	3430.74	47.46	NM	NA	3383.28
RW004A	06/19/2006	3430.74	49.78	NM	NA	3380.96
RW004A	04/11/2007	3430.74	47.15	NM	NA	3383.59
RW004A	03/24/2008	3430.74	49.51	NM	NA	3381.23
RW004A	03/11/2009	3430.74	47.49	NM	NA	3383.25
RW004A	03/01/2010	3430.74	50.28	NM	NA	3380.46
RW004A	08/03/2010	3430.74	50.34	NM	NA	3380.4
RW004A	05/06/2011	3430.74	47.65	NM	NA	3383.09
RW004A	11/04/2011	3430.74	47.50	NM	NA	3383.24
RW004A	05/04/2012	3430.74	44.85	NM	NA	3385.89
RW004A	10/23/2012	3430.74	47.99	NM	NA	3382.75
RW004A	05/02/2013	3430.74	50.20	NM	NA	3380.54
RW004A	10/29/2013	3430.74	48.11	NM	NA	3382.63
RW004A	05/05/2014	3430.74	50.65	NM	NA	3380.09
RW004A	11/04/2014	3430.74	48.01	NM	NA	3382.73
RW004A	05/06/2015	3430.74	47.58	NM	NA	3383.16
RW004A	09/16/2015	3430.74	49.30	NM	NA	3381.44
RW004A	11/03/2015	3430.74	47.58	NM	NA	3383.16
RW004A	05/12/2016	3430.74	47.29	NM	NA	3383.45
RW004A	05/03/2017	3430.74	49.25	NM	NA	3381.49
WoodellWW	05/15/2001	3423.77	49.63	NM	NA	3374.14
WoodellWW	08/23/2001	3423.77	49.97	NM	NA	3373.80
WoodellWW	04/05/2002	3423.77	49.52	NM	NA	3374.25
WoodellWW	09/03/2002	3423.77	54.07	NM	NA	3369.70
WoodellWW	12/02/2002	3423.77	49.06	NM	NA	3374.71
WoodellWW	01/30/2003	3423.77	49.14	NM	NA	3374.63
WoodellWW	03/28/2003	3423.77	62.24	NM	NA	3361.53
WoodellWW	06/05/2003	3423.77	53.76	NM	NA	3370.01
WoodellWW	09/09/2003	3423.77	53.65	NM	NA	3370.12
WoodellWW	12/02/2003	3423.77	49.07	NM	NA	3374.70
WoodellWW	03/30/2004	3423.77	49.50	NM	NA	3374.27
WoodellWW	06/07/2004	3423.77	54.24	NM	NA	3369.53
WoodellWW	11/29/2004	3423.77	48.89	NM	NA	3374.88
WoodellWW	05/23/2005	3423.77	52.80	NM	NA	3370.97
WoodellWW	05/11/2016	3423.77	48.87	NM	NA	3374.90
WoodellWW	09/15/2016	3423.77	48.87	NM	NA	3374.90
WoodellWW	05/04/2017	3423.77	48.64	NM	NA	3375.13

Note:

1. Corrected groundwater elevations at MW006 are corrected using an assumed LNAPL specific gravity of 0.75. 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
* = potential blockage in well
** = atypical measurement, not used in analysis

APPENDIX D

Laboratory Analytical Reports and Data Validation Review

ARCADIS

Chevron North Eunice

DATA REVIEW

NORTH EUNICE, NEW MEXICO

Volatile organic compounds, Total Petroleum Hydrocarbons, Metals and Miscellaneous Analyses

SDGs # 691108, 691110, 691328, 691329, 691534, 691535, 691655 and 691656

Analyses Performed By:
Xenco Laboratories

Midland, TX

Report # 44416R

Review Level: Tier II
Project: 30109021.00003

DATA REVIEW REPORT

SUMMARY

This data quality assessment summarizes the review of Sample Delivery Groups (SDGs) # 691108, 691110, 691328, 691329, 691534, 691535, 691655 and 691656 for samples collected in association with the Chevron North 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
691108	MW086 SA	691108-001	Water	03.09.2021				X	X
	MW071 SA	691108-002	Water	03.09.2021				X	X
	MW065 SA	691108-003	Water	03.09.2021				X	X
	IW010	691108-004	Water	03.09.2021				X	X
	IW008	691108-005	Water	03.09.2021				X	X
	MW066 SA	691108-006	Water	03.09.2021				X	X
	MW073 SA	691108-007	Water	03.09.2021				X	X
	MW072 SA	691108-008	Water	03.09.2021				X	X
	IW023	691108-009	Water	03.09.2021				X	X
	DUP-1	691108-010	Water	03.09.2021	IW023			X	X
	MW093 SA	691108-011	Water	03.09.2021				X	X
	MW041 A	691108-012	Water	03.09.2021				X	X
	MW049 SA	691108-013	Water	03.09.2021				X	X
	MW048 SA	691108-014	Water	03.09.2021				X	X
	DUP-2	691108-015	Water	03.09.2021	MW048 SA			X	X
691110	MW100	691110-001	Water	03.09.2021				X	X
	MW076 SA	691110-002	Water	03.09.2021				X	X
	MW075 SA	691110-003	Water	03.09.2021				X	X
	MW084 SA	691110-004	Water	03.09.2021				X	X
	MW085 SA	691110-005	Water	03.09.2021				X	X
	MW055 SA	691110-006	Water	03.09.2021				X	X
	MW056 SA	691110-007	Water	03.09.2021				X	X
	MW074 SA	691110-008	Water	03.09.2021				X	X
	MW057 SA	691110-009	Water	03.09.2021				X	X
691328	MW021A	691328-001	Water	03.09.2021				X	X
	MW050SA	691328-002	Water	03.09.2021				X	X

DATA REVIEW REPORT

SDGs	Sample ID	Lab ID	Matrix	Sample Collection Date	Parent Sample	Analysis			
						VOC	TPH	MET	MISC
	MW051SA	691328-003	Water	03.09.2021				X	X
	MW054SA	691328-004	Water	03.09.2021				X	X
	MW067SA	691328-005	Water	03.09.2021				X	X
	MW079SA	691328-006	Water	03.09.2021				X	X
	IW003	691328-007	Water	03.09.2021				X	X
	MW095	691328-008	Water	03.09.2021				X	X
	MW060	691328-009	Water	03.09.2021				X	X
	MW069	691328-010	Water	03.09.2021				X	X
	MW031	691328-011	Water	03.09.2021				X	X
	MW059	691328-012	Water	03.09.2021				X	X
	DUP3	691328-013	Water	03.09.2021	MW051SA			X	X
	DUP4	691328-014	Water	03.09.2021	MW095			X	X
	DUP5	691328-015	Water	03.09.2021	MW059			X	X
691329	MW52SA	691329-001	Water	03.09.2021				X	X
	MW020SA	691329-002	Water	03.09.2021				X	X
	MW019A	691329-003	Water	03.09.2021				X	X
	MW018	691329-004	Water	03.09.2021				X	X
	MW010	691329-005	Water	03.09.2021				X	X
	MW040A	691329-006	Water	03.09.2021				X	X
	MW013	691329-007	Water	03.09.2021				X	X
	MW015A	691329-008	Water	03.09.2021				X	X
	MW024A	691329-009	Water	03.09.2021				X	X
	MW062A	691329-010	Water	03.09.2021				X	X
	MW063A	691329-011	Water	03.09.2021				X	X
691534	MW023	691534-001	Water	03.10.2021				X	X
	MW012M	691534-002	Water	03.10.2021				X	X
	MW088M	691534-003	Water	03.10.2021				X	X
	MW047	691534-004	Water	03.10.2021				X	X
	MW007A	691534-005	Water	03.10.2021				X	X
	MW097P	691534-006	Water	03.10.2021				X	X
	MW087A	691534-007	Water	03.10.2021				X	X
	DUP 6	691534-008	Water	03.10.2021	MW047			X	X
691535	MW094	691535-001	Water	03.10.2021				X	X
	MW020	691535-002	Water	03.10.2021				X	X

DATA REVIEW REPORT

SDGs	Sample ID	Lab ID	Matrix	Sample Collection Date	Parent Sample	Analysis			
						VOC	TPH	MET	MISC
	MW030	691535-003	Water	03.10.2021				X	X
	MW026	691535-004	Water	03.10.2021				X	X
	MW022	691535-005	Water	03.10.2021				X	X
	MW068	691535-006	Water	03.10.2021				X	X
	MW094	691535-007	Water	03.10.2021				X	X
	MW061	691535-008	Water	03.10.2021				X	X
	MW008M	691535-009	Water	03.10.2021				X	X
	DUP-7	691535-010	Water	03.10.2021	MW061			X	X
691655	MW058	691655-001	Water	03.10.2021				X	X
	MW11A	691655-002	Water	03.10.2021				X	X
	MW032	691655-003	Water	03.10.2021				X	X
	MW002A	691655-004	Water	03.10.2021				X	X
	MW046A	691655-005	Water	03.10.2021		X	X	X	X
	MW045	691655-006	Water	03.10.2021		X	X	X	X
	MW001	691655-007	Water	03.10.2021		X	X	X	X
	Dup-8	691655-008	Water	03.10.2021	MW002A			X	X
691656	MW0895A	691656-001	Water	03.11.2021				X	X
	MW0905A	691656-002	Water	03.11.2021				X	X
	IW024	691656-003	Water	03.11.2021				X	X
	MW004A	691656-004	Water	03.11.2021				X	X
	IW019	691656-005	Water	03.11.2021		X	X	X	X
	MW043	691656-006	Water	03.11.2021		X	X	X	X
	MW037	691656-007	Water	03.11.2021		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 8015 (modified). 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)	Cool to <6 °C; preserved to a pH of less than 2 s.u.

Note:

s.u. Standard units

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.

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.

All samples exhibited surrogate recoveries within the 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#691655 and 691656: MS/MSD analysis was not performed on any of the samples from this SDG.

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.

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.

SDG#691655 and 691656: A field duplicate sample was not collected from sample locations associated with this SDG.

7. System Performance and Overall Assessment

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/MASS SPECTROMETRY (GC/MS)					
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

TOTAL PETROLEUM HYDROCARBONS 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

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.

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. The analysis requires surrogate compounds exhibit recoveries within the laboratory-established acceptance limits.

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#691655 and 691656: MS/MSD analysis was not performed on any of the 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 analysis must exhibit a percent recovery within the laboratory-established acceptance limits.

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.

SDG#691655 and 691656: A field duplicate sample was not collected from sample locations associated with this SDG.

7. System Performance and Overall Assessment

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.

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.

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# 691108: MS/MSD analysis was performed on sample ID MW086 SA. MS/MSD analysis exhibited recoveries and RPDs within control limits.

SDG# 691110: MS/MSD analysis was performed on sample ID MW100. MS/MSD analysis exhibited recoveries and RPDs within control limits.

SDG# 691328 and 691329: MS/MSD analysis was not performed on any of the samples from this SDG.

SDG# 691534: MS/MSD analysis was performed on sample ID MW023. MS/MSD analysis exhibited recoveries and RPDs within control limits.

SDG# 691535 and 691656: MS/MSD analysis was performed on sample ID MW086 SA. MS/MSD analysis exhibited recoveries and RPDs within 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 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.

Laboratory duplicate analysis was not performed on any of the samples from these 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 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	Analytes	Sample Result (mg/l)	Duplicate Result (mg/l)	RPD
691108	IW023 / DUP-1	Arsenic	0.0097	0.00982	AC
		Chromium	0.312	0.317	2%
		Iron	0.194	0.223	AC
		Manganese	0.00674	0.00788	AC
	MW048 SA / DUP-2	Arsenic	0.0114	0.0118	AC
		Chromium	0.406	0.428	5%
		Iron	0.0724	0.0773	AC
		Manganese	0.00187	0.00267	AC
691328	MW051SA / DUP3	Arsenic	0.01	0.0111	AC
		Chromium	0.705	0.761	8%
		Manganese	0.00359	0.00381	AC
	MW095 / DUP4	Arsenic	0.00894	0.00929	AC
		Chromium	3.83	4.03	5%
		Iron	0.0328	0.0306	AC
		Manganese	0.111	0.112	1%
	MW059 / DUP5	Arsenic	0.0137	0.0129	AC
		Chromium	0.65	0.612	6%
		Manganese	0.000199	0.000199 U	AC
691534	MW047 / DUP 6	Arsenic	0.01	0.00944	AC
		Chromium	0.08	0.0732	9%
		Manganese	0.000253	0.000199	AC
691535	MW061 / DUP-7	Arsenic	0.0115	0.0113	AC
		Chromium	1.06	1.04	2%
		Manganese	0.0384	0.0294	27%
691655	MW002A / Dup-8	Arsenic	0.0172	0.0174	AC
		Chromium	0.848	0.826	3%
		Manganese	0.019	0.0195	3%

Notes:

AC - Acceptable

The calculated RPDs between the parent sample and field duplicate 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%.

The LCS/LCSD analysis exhibited recoveries within the control limits.

6. System Performance and Overall Assessment

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	
Lab Duplicate (RPD)	X				X
Field Duplicate (RPD)		X		X	
ICP Serial Dilution %D	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.

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.

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 # 691108: MS/MSD analysis was performed on sample ID DUP-1 for chloride analysis. MS/MSD analysis exhibited recoveries and RPDs within the control limits.

SDG # 691110: MS/MSD analysis was performed on sample ID MW076 SA and MW057 SA for chloride and on sample IDs MW100 and MW085 SA for hexavalent chromium analysis. MS/MSD analysis exhibited recoveries and RPDs within the control limits.

SDG # 691328: MS/MSD analysis was performed on sample IDs MW067SA and MW031 for chloride analysis and on sample ID MW069 for hexavalent chromium analysis. MS/MSD analysis exhibited recoveries and RPDs within the control limits.

SDG # 691329: MS/MSD analysis was performed on sample IDs MW040A for chloride analysis and on sample IDs MW52SA and MW063A for hexavalent chromium analysis. MS/MSD analysis exhibited recoveries and RPDs within the control limits.

SDG # 691535: MS/MSD analysis was performed on sample ID MW094 for chloride analysis. MS/MSD analysis exhibited recoveries and RPDs within the control limits.

SDG # 691656: MS/MSD analysis was performed on sample ID MW037 for chloride analysis and on sample ID MW043 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# 691110: A laboratory duplicate analysis was performed on sample ID MW100 for total dissolved solids. Laboratory duplicate analysis exhibited RPDs within control limits.

SDG# 691328: A laboratory duplicate analysis was performed on sample ID MW031 for total dissolved solids. Laboratory duplicate analysis exhibited RPDs within control limits.

SDG# 691329: A laboratory duplicate analysis was performed on sample ID MW52SA for total dissolved solids. Laboratory duplicate analysis exhibited RPDs within control limits.

SDG# 691534: A laboratory duplicate analysis was performed on sample ID MW047 for total dissolved solids. Laboratory duplicate analysis exhibited RPDs within control limits.

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
691108	IW023 / DUP-1	Chloride	567	576	2%
		Total Dissolved Solids	3000	3010	0%
		Chromium, Hexavalent	0.313	0.318	2%
	MW048 SA / DUP-2	Chloride	1030	1030	0%
		Total Dissolved Solids	4540	4560	0%
		Chromium, Hexavalent	1.05	1.07	2.0%
691328	MW051SA / DUP3	Chloride	1050	1050	0%
		Total Dissolved Solids	3540	853	122%
		Chromium, Hexavalent	0.738	0.725	2%

DATA REVIEW REPORT

SDGs	Sample ID/Duplicate ID	Analytes	Sample Result (mg/l)	Duplicate Result (mg/l)	RPD
	MW095 / DUP4	Chloride	1460	1470	1%
		Total Dissolved Solids	4570	1090	123%
		Chromium, Hexavalent	3.67	3.7	1%
	MW059 / DUP5	Chloride	812	831	2%
		Total Dissolved Solids	919	842	9%
		Chromium, Hexavalent	0.465	0.483	4%
691534	MW047 / DUP 6	Chloride	266	260	2%
		Total Dissolved Solids	1030	1050	2%
		Chromium, Hexavalent	0.0781	0.0769	2%
691535	MW061 / DUP-7	Chloride	1170	1190	2%
		Total Dissolved Solids	1160	1100	5%
		Chromium, Hexavalent	1.07	1.07	0%
691655	MW002A / Dup-8	Chloride	1940	1580	20%
		Total Dissolved Solids	1760	3050	54%
		Chromium, Hexavalent	0.828	0.78	AC

Notes:
AC - Acceptable

SDG#691328: The compound total dissolved solids associated with sample locations MW051SA / DUP3 exhibited a field duplicate RPD greater than the control limit. The associated sample results from sample locations for the listed analyte were qualified as estimated.

The compound total dissolved solids associated with sample locations MW095 / DUP4 exhibited a field duplicate RPD greater than the control limit. The associated sample results from sample locations for the listed analyte were qualified as estimated

SDG#691655: The compound total dissolved solids associated with sample locations MW002A / Dup-8 exhibited a field duplicate RPD greater than the control limit. The associated sample results from sample locations for the listed analyte were qualified as estimated.

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%.

The LCS/LCSD analysis exhibited recoveries within the control limits.

6. System Performance and Overall Assessment

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

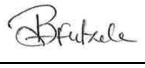
General Chemistry: SW7196A, EPA 300.0 and SM 2540C	Reported		Performance Acceptable		Not Required
	No	Yes	No	Yes	
Miscellaneous Instrumentation					
Tier II Validation					
Holding times		X		X	
Reporting limits (units)		X		X	
Blanks					
A. Method blanks		X		X	
B. Equipment blanks	X				X
Laboratory Control 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	
Lab Duplicate (RPD)		X		X	
Field 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: Bhagyashree Fulzele

SIGNATURE: 

DATE: February 06, 2022

PEER REVIEW: Dennis Capria

DATE: February 10, 2022

CHAIN OF CUSTODY

CORRECTED SAMPLE ANALYSIS DATA SHEETS

Released to Imaging: 12/12/2022 10:42:57 AM
Received by OCD: 3/21/2022 2:39:57 PM

Chain of Custody

Work Order No: 691108

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

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:	303-471-2477 Email:	madisyn.frandsen@arcadis.com	

Work Order Comments

Program: UST/PST ☐ PRP ☐ Brownfields ☐ RRC ☐ Superfund ☐
State of Project:
Reporting:Level II ☐ Level III ☐ PST/UST ☐ TRRP ☐ Level IV ☐
Deliverables: EDD ☐ ADaPT ☐ Other:

Project Name:	Eunice Project-N. Eunice	Turn Around	
Project Number:	30049577	Routine	
P.O. Number:		Rush:	
Sampler's Name:	Gerry S. Longsworth	Due Date:	

SAMPLE RECEIPT			
Temp Blank:	Yes (No)	Wet Ice:	(Yes) No
Temperature (°C):	3.4/3.9	Thermometer ID	IR8
Received Intact:	(Yes) No		
Cooler Custody Seals:	Yes No (N/A)	Correction Factor:	0.5
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): Aresenic, Maganese, Iron & Chromium	TDS (SM2540C)	Chlorides (EPA 300.0)
MW086SA	W	030921	0822		3			X	X	X	X
MW071SA	W	030921	0852		3			X	X	X	X
MW065SA	W	030921	1004		3			X	X	X	X
EW010	W	030921	1031		3			X	X	X	X
EW008	W	030921	1055		3			X	X	X	X
MW066SA	W	030921	1117		3			X	X	X	X
MW073SA	W	030921	1136		3			X	X	X	X
MW072SA	W	030921	1154		3			X	X	X	X
EW023	W	030921	1247		3			X	X	X	X
DUP-1	W	030921	—		3			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
Gerry S. Longsworth	J KRAMER	3/9/21 1758	2		
3			4		
5			6		

Revised Date 051418 Rev. 2018.1

Released to Imaging: 12/12/2022 10:42:57 AM
Received by OCD: 3/21/2022 2:39:57 PM
Final 1.000

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: 691108

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:	303-471-2477	Email:	madisyn.frandsen@arcadis.com

Work Order Comments

Program: UST/PST ☐ PRP ☐ Brownfields ☐ RRC ☐ Superfund ☐
State of Project:
Reporting:Level II ☐ Level III ☐ PST/UST ☐ TRRP ☐ Level IV ☐
Deliverables: EDD ☐ ADaPT ☐ Other:

Project Name:	Eunice Project-N. Eunice	Turn Around	
Project Number:	30049577	Routine	
P.O. Number:		Rush:	
Sampler's Name:	Jerry S. Longwell	Due Date:	

SAMPLE RECEIPT				
Temp Blank:	Yes (No)	Wet Ice:	(Yes) No	
Temperature (°C):	3.4/3.9	Thermometer ID	IR6	
Received Intact:	(Yes) No			
Cooler Custody Seals:	Yes No (N/A)	Correction Factor:	0.5	
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): Aresenic, Maganese, Iron & Chromium	TDS (SM2540C)	Chlorides (EPA 300.0)
MW0985A	W	030521	1809					X	X	X	X
MW041A	W	030821	1824					X	X	X	X
MW049SA	W	030521	1358					X	X	X	X
MW048SA	W	030921	1427					X	X	X	X
DUP-2	W	030521	—					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
Jerry S. Longwell	J KRAMER	3/9/21 1758	2		
3			4		
5			6		

Revised Date 051418 Rev. 2018.1

eurofins | Environment Testing Xenco

Certificate of Analytical Results
691108
ARCADIS, Midland, TX
Eunice Project - N Eunice

Sample Id: **MW086 SA** Matrix: Water Sample Depth:

Lab Sample Id: 691108-001 Date Collected: 03.09.2021 09:22 Date Received: 03.09.2021 17:58

Analytical Method: Chloride by EPA 300 Prep Method: E300P

Analyst: CHE % Moist:

Seq Number: 3153273 Date Prep: 03.10.2021 16:30 Tech: CHE

Prep seq: 7723018

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Chloride	16887-00-6	**1250**	25.0	1.05	mg/L	03.10.2021 21:14		50

Analytical Method: TDS by SM2540C Prep Method:

Analyst: DTH % Moist:

Seq Number: 3153721 Date Prep: Tech: DTH

Subcontractor: SUB: T104704221-20-18 Prep seq:

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Total Dissolved Solids	1642222	**3560**	100	100	mg/L	03.11.2021 14:00		1

Analytical Method: (N) Dissolved Metals by SW6020A Prep Method: 3010A

Analyst: DEP % Moist:

Seq Number: 3153749 Date Prep: 03.14.2021 12:00 Tech: DEP

Subcontractor: SUB: T104704215-20-39 Prep seq: 7723278

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Arsenic	7440-38-2	**0.0111**	0.00400	0.000246	mg/L	03.15.2021 17:12		1
Chromium	7440-47-3	**0.0556**	0.00400	0.000525	mg/L	03.15.2021 17:12		1
Iron	7439-89-6	**0.0926**	0.100	0.0227	mg/L	03.15.2021 17:12	J	1
Manganese	7439-96-5	**0.00294**	0.00200	0.000199	mg/L	03.15.2021 17:12		1

Analytical Method: Chromium, Hexavalent by SW 7196A Prep Method:

Analyst: CHE % Moist:

Seq Number: 3153132 Date Prep: Tech: CHE

Prep seq:

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Chromium, Hexavalent	18540-29-9	**0.0416**	0.0100	0.00273	mg/L	03.10.2021 08:05		1

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Sample Id: **MW071 SA** Matrix: Water Sample Depth:

Lab Sample Id: 691108-002 Date Collected: 03.09.2021 09:52 Date Received: 03.09.2021 17:58

Analytical Method: Chloride by EPA 300 Prep Method: E300P

Analyst: CHE % Moist:

Seq Number: 3153273 Date Prep: 03.10.2021 16:30 Tech: CHE

Prep seq: 7723018

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Chloride	16887-00-6	**488**	5.00	0.210	mg/L	03.10.2021 21:20		10

Analytical Method: TDS by SM2540C Prep Method:

Analyst: DTH % Moist:

Seq Number: 3153721 Date Prep: Tech: DTH

Subcontractor: SUB: T104704221-20-18 Prep seq:

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Total Dissolved Solids	1642222	**1910**	50.0	50.0	mg/L	03.11.2021 14:00		1

Analytical Method: (N) Dissolved Metals by SW6020A Prep Method: 3010A

Analyst: DEP % Moist:

Seq Number: 3153749 Date Prep: 03.14.2021 12:00 Tech: DEP

Subcontractor: SUB: T104704215-20-39 Prep seq: 7723278

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Arsenic	7440-38-2	**0.0108**	0.00400	0.000246	mg/L	03.15.2021 17:32		1
Chromium	7440-47-3	**0.00159**	0.00400	0.000525	mg/L	03.15.2021 17:32	J	1
Iron	7439-89-6	**0.697**	0.100	0.0227	mg/L	03.15.2021 17:32		1
Manganese	7439-96-5	**0.297**	0.00200	0.000199	mg/L	03.15.2021 17:32		1

Analytical Method: Chromium, Hexavalent by SW 7196A Prep Method:

Analyst: CHE % Moist:

Seq Number: 3153132 Date Prep: Tech: CHE

Prep seq:

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Chromium, Hexavalent	18540-29-9	<0.00273	0.0100	0.00273	mg/L	03.10.2021 08:05	U	1

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Sample Id: **MW065 SA** Matrix: Water Sample Depth:

Lab Sample Id: 691108-003 Date Collected: 03.09.2021 10:08 Date Received: 03.09.2021 17:58

Analytical Method: Chloride by EPA 300 Prep Method: E300P

Analyst: CHE % Moist:

Seq Number: 3153273 Date Prep: 03.10.2021 16:30 Tech: CHE

Prep seq: 7723018

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Chloride	16887-00-6	**852**	10.0	0.421	mg/L	03.10.2021 21:25		20

Analytical Method: TDS by SM2540C Prep Method:

Analyst: DTH % Moist:

Seq Number: 3153721 Date Prep: Tech: DTH

Subcontractor: SUB: T104704221-20-18 Prep seq:

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Total Dissolved Solids	1642222	**3090**	100	100	mg/L	03.11.2021 14:00		1

Analytical Method: (N) Dissolved Metals by SW6020A Prep Method: 3010A

Analyst: DEP % Moist:

Seq Number: 3153749 Date Prep: 03.14.2021 12:00 Tech: DEP

Subcontractor: SUB: T104704215-20-39 Prep seq: 7723278

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Arsenic	7440-38-2	**0.0140**	0.00400	0.000246	mg/L	03.15.2021 17:35		1
Chromium	7440-47-3	**0.0860**	0.00400	0.000525	mg/L	03.15.2021 17:35		1
Iron	7439-89-6	**0.278**	0.100	0.0227	mg/L	03.15.2021 17:35		1
Manganese	7439-96-5	**0.113**	0.00200	0.000199	mg/L	03.15.2021 17:35		1

Analytical Method: Chromium, Hexavalent by SW 7196A Prep Method:

Analyst: CHE % Moist:

Seq Number: 3153132 Date Prep: Tech: CHE

Prep seq:

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Chromium, Hexavalent	18540-29-9	<0.00273	0.0100	0.00273	mg/L	03.10.2021 08:05	U	1

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Sample Id: **IW010** Matrix: Water Sample Depth:

Lab Sample Id: 691108-004 Date Collected: 03.09.2021 10:31 Date Received: 03.09.2021 17:58

Analytical Method: Chloride by EPA 300 Prep Method: E300P

Analyst: CHE % Moist:

Seq Number: 3153273 Date Prep: 03.10.2021 16:30 Tech: CHE

Prep seq: 7723018

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Chloride	16887-00-6	**1160**	25.0	1.05	mg/L	03.10.2021 21:31		50

Analytical Method: TDS by SM2540C Prep Method:

Analyst: DTH % Moist:

Seq Number: 3153721 Date Prep: Tech: DTH

Subcontractor: SUB: T104704221-20-18 Prep seq:

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Total Dissolved Solids	1642222	**3680**	100	100	mg/L	03.11.2021 14:00		1

Analytical Method: (N) Dissolved Metals by SW6020A Prep Method: 3010A

Analyst: DEP % Moist:

Seq Number: 3153749 Date Prep: 03.14.2021 12:00 Tech: DEP

Subcontractor: SUB: T104704215-20-39 Prep seq: 7723278

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Arsenic	7440-38-2	**0.00944**	0.00400	0.000246	mg/L	03.15.2021 17:38		1
Chromium	7440-47-3	**0.00195**	0.00400	0.000525	mg/L	03.15.2021 17:38	J	1
Iron	7439-89-6	**12.2**	0.100	0.0227	mg/L	03.15.2021 17:38		1
Manganese	7439-96-5	**8.12**	0.200	0.0199	mg/L	03.16.2021 20:15	~~D~~	100

Analytical Method: Chromium, Hexavalent by SW 7196A Prep Method:

Analyst: CHE % Moist:

Seq Number: 3153132 Date Prep: Tech: CHE

Prep seq:

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Chromium, Hexavalent	18540-29-9	<0.00273	0.0100	0.00273	mg/L	03.10.2021 08:05	U	1

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Sample Id: **IW008** Matrix: Water Sample Depth:

Lab Sample Id: 691108-005 Date Collected: 03.09.2021 10:55 Date Received: 03.09.2021 17:58

Analytical Method: Chloride by EPA 300 Prep Method: E300P

Analyst: CHE % Moist:

Seq Number: 3153273 Date Prep: 03.10.2021 16:30 Tech: CHE

Prep seq: 7723018

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Chloride	16887-00-6	**802**	10.0	0.421	mg/L	03.10.2021 21:49		20

Analytical Method: TDS by SM2540C Prep Method:

Analyst: DTH % Moist:

Seq Number: 3153721 Date Prep: Tech: DTH

Subcontractor: SUB: T104704221-20-18 Prep seq:

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Total Dissolved Solids	1642222	**2620**	100	100	mg/L	03.11.2021 14:00		1

Analytical Method: (N) Dissolved Metals by SW6020A Prep Method: 3010A

Analyst: DEP % Moist:

Seq Number: 3153749 Date Prep: 03.14.2021 12:00 Tech: DEP

Subcontractor: SUB: T104704215-20-39 Prep seq: 7723278

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Arsenic	7440-38-2	**0.0106**	0.00400	0.000246	mg/L	03.15.2021 17:41		1
Chromium	7440-47-3	**0.00407**	0.00400	0.000525	mg/L	03.15.2021 17:41		1
Iron	7439-89-6	**4.24**	0.100	0.0227	mg/L	03.15.2021 17:41		1
Manganese	7439-96-5	**1.72**	0.0400	0.00397	mg/L	03.16.2021 20:18	D	20

Analytical Method: Chromium, Hexavalent by SW 7196A Prep Method:

Analyst: CHE % Moist:

Seq Number: 3153132 Date Prep: Tech: CHE

Prep seq:

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Chromium, Hexavalent	18540-29-9	<0.00273	0.0100	0.00273	mg/L	03.10.2021 08:05	U	1

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Sample Id: **MW066 SA** Matrix: Water Sample Depth:

Lab Sample Id: 691108-006 Date Collected: 03.09.2021 11:17 Date Received: 03.09.2021 17:58

Analytical Method: Chloride by EPA 300 Prep Method: E300P

Analyst: CHE % Moist:

Seq Number: 3153273 Date Prep: 03.10.2021 16:30 Tech: CHE

Prep seq: 7723018

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Chloride	16887-00-6	**445**	5.00	0.210	mg/L	03.10.2021 21:55		10

Analytical Method: TDS by SM2540C Prep Method:

Analyst: DTH % Moist:

Seq Number: 3153721 Date Prep: Tech: DTH

Subcontractor: SUB: T104704221-20-18 Prep seq:

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Total Dissolved Solids	1642222	**1730**	50.0	50.0	mg/L	03.11.2021 14:00		1

Analytical Method: (N) Dissolved Metals by SW6020A Prep Method: 3010A

Analyst: DEP % Moist:

Seq Number: 3153749 Date Prep: 03.14.2021 12:00 Tech: DEP

Subcontractor: SUB: T104704215-20-39 Prep seq: 7723278

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Arsenic	7440-38-2	**0.00935**	0.00400	0.000246	mg/L	03.15.2021 17:44		1
Chromium	7440-47-3	**0.00567**	0.00400	0.000525	mg/L	03.15.2021 17:44		1
Iron	7439-89-6	**0.230**	0.100	0.0227	mg/L	03.15.2021 17:44		1
Manganese	7439-96-5	**0.437**	0.00200	0.000199	mg/L	03.15.2021 17:44		1

Analytical Method: Chromium, Hexavalent by SW 7196A Prep Method:

Analyst: CHE % Moist:

Seq Number: 3153132 Date Prep: Tech: CHE

Prep seq:

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Chromium, Hexavalent	18540-29-9	<0.00273	0.0100	0.00273	mg/L	03.10.2021 08:05	U	1

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Sample Id: **MW073 SA** Matrix: Water Sample Depth:

Lab Sample Id: 691108-007 Date Collected: 03.09.2021 11:36 Date Received: 03.09.2021 17:58

Analytical Method: Chloride by EPA 300 Prep Method: E300P

Analyst: CHE % Moist:

Seq Number: 3153273 Date Prep: 03.10.2021 16:30 Tech: CHE

Prep seq: 7723018

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Chloride	16887-00-6	**1100**	25.0	1.05	mg/L	03.10.2021 22:00		50

Analytical Method: TDS by SM2540C Prep Method:

Analyst: DTH % Moist:

Seq Number: 3153721 Date Prep: Tech: DTH

Subcontractor: SUB: T104704221-20-18 Prep seq:

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Total Dissolved Solids	1642222	**3710**	100	100	mg/L	03.11.2021 14:00		1

Analytical Method: (N) Dissolved Metals by SW6020A Prep Method: 3010A

Analyst: DEP % Moist:

Seq Number: 3153749 Date Prep: 03.14.2021 12:00 Tech: DEP

Subcontractor: SUB: T104704215-20-39 Prep seq: 7723278

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Arsenic	7440-38-2	**0.0106**	0.00400	0.000246	mg/L	03.15.2021 17:47		1
Chromium	7440-47-3	<0.000525	0.00400	0.000525	mg/L	03.15.2021 17:47	U	1
Iron	7439-89-6	<0.0227	0.100	0.0227	mg/L	03.15.2021 17:47	U	1
Manganese	7439-96-5	**0.000942**	0.00200	0.000199	mg/L	03.15.2021 17:47	J	1

Analytical Method: Chromium, Hexavalent by SW 7196A Prep Method:

Analyst: SPC % Moist:

Seq Number: 3153133 Date Prep: Tech: SPC

Prep seq:

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Chromium, Hexavalent	18540-29-9	<0.00273	0.0100	0.00273	mg/L	03.10.2021 11:06	U	1

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Sample Id: **MW072 SA** Matrix: Water Sample Depth:

Lab Sample Id: 691108-008 Date Collected: 03.09.2021 11:54 Date Received: 03.09.2021 17:58

Analytical Method: Chloride by EPA 300 Prep Method: E300P

Analyst: CHE % Moist:

Seq Number: 3153273 Date Prep: 03.10.2021 16:30 Tech: CHE

Prep seq: 7723018

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Chloride	16887-00-6	**245**	5.00	0.210	mg/L	03.10.2021 22:06		10

Analytical Method: TDS by SM2540C Prep Method:

Analyst: DTH % Moist:

Seq Number: 3153721 Date Prep: Tech: DTH

Subcontractor: SUB: T104704221-20-18 Prep seq:

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Total Dissolved Solids	1642222	**1260**	50.0	50.0	mg/L	03.11.2021 14:00		1

Analytical Method: (N) Dissolved Metals by SW6020A Prep Method: 3010A

Analyst: DEP % Moist:

Seq Number: 3153749 Date Prep: 03.14.2021 12:00 Tech: DEP

Subcontractor: SUB: T104704215-20-39 Prep seq: 7723278

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Arsenic	7440-38-2	**0.0172**	0.00400	0.000246	mg/L	03.15.2021 17:50		1
Chromium	7440-47-3	**0.000721**	0.00400	0.000525	mg/L	03.15.2021 17:50	J	1
Iron	7439-89-6	**0.204**	0.100	0.0227	mg/L	03.15.2021 17:50		1
Manganese	7439-96-5	**0.00652**	0.00200	0.000199	mg/L	03.15.2021 17:50		1

Analytical Method: Chromium, Hexavalent by SW 7196A Prep Method:

Analyst: SPC % Moist:

Seq Number: 3153133 Date Prep: Tech: SPC

Prep seq:

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Chromium, Hexavalent	18540-29-9	<0.00273	0.0100	0.00273	mg/L	03.10.2021 11:06	U	1

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Sample Id: **IW023** Matrix: Water Sample Depth:

Lab Sample Id: 691108-009 Date Collected: 03.09.2021 12:47 Date Received: 03.09.2021 17:58

Analytical Method: Chloride by EPA 300 Prep Method: E300P

Analyst: CHE % Moist:

Seq Number: 3153273 Date Prep: 03.10.2021 16:30 Tech: CHE

Prep seq: 7723018

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Chloride	16887-00-6	**567**	10.0	0.421	mg/L	03.10.2021 22:11		20

Analytical Method: TDS by SM2540C Prep Method:

Analyst: DTH % Moist:

Seq Number: 3153721 Date Prep: Tech: DTH

Subcontractor: SUB: T104704221-20-18 Prep seq:

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Total Dissolved Solids	1642222	**3000**	100	100	mg/L	03.11.2021 14:00		1

Analytical Method: (N) Dissolved Metals by SW6020A Prep Method: 3010A

Analyst: DEP % Moist:

Seq Number: 3153749 Date Prep: 03.14.2021 12:00 Tech: DEP

Subcontractor: SUB: T104704215-20-39 Prep seq: 7723278

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Arsenic	7440-38-2	**0.00970**	0.00400	0.000246	mg/L	03.15.2021 17:52		1
Chromium	7440-47-3	**0.312**	0.00400	0.000525	mg/L	03.15.2021 17:52		1
Iron	7439-89-6	**0.194**	0.100	0.0227	mg/L	03.15.2021 17:52		1
Manganese	7439-96-5	**0.00674**	0.00200	0.000199	mg/L	03.15.2021 17:52		1

Analytical Method: Chromium, Hexavalent by SW 7196A Prep Method:

Analyst: SPC % Moist:

Seq Number: 3153133 Date Prep: Tech: SPC

Prep seq:

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Chromium, Hexavalent	18540-29-9	**0.313**	0.0100	0.00273	mg/L	03.10.2021 11:06		1

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Sample Id: **DUP-1** Matrix: Water Sample Depth:

Lab Sample Id: 691108-010 Date Collected: 03.09.2021 00:00 Date Received: 03.09.2021 17:58

Analytical Method: Chloride by EPA 300 Prep Method: E300P

Analyst: CHE % Moist:

Seq Number: 3153273 Date Prep: 03.10.2021 16:30 Tech: CHE

Prep seq: 7723018

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Chloride	16887-00-6	**576**	10.0	0.421	mg/L	03.10.2021 22:17		20

Analytical Method: TDS by SM2540C Prep Method:

Analyst: DTH % Moist:

Seq Number: 3153721 Date Prep: Tech: DTH

Subcontractor: SUB: T104704221-20-18 Prep seq:

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Total Dissolved Solids	1642222	**3010**	100	100	mg/L	03.11.2021 14:00		1

Analytical Method: (N) Dissolved Metals by SW6020A Prep Method: 3010A

Analyst: DEP % Moist:

Seq Number: 3153749 Date Prep: 03.14.2021 12:00 Tech: DEP

Subcontractor: SUB: T104704215-20-39 Prep seq: 7723278

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Arsenic	7440-38-2	**0.00982**	0.00400	0.000246	mg/L	03.15.2021 17:55		1
Chromium	7440-47-3	**0.317**	0.00400	0.000525	mg/L	03.15.2021 17:55		1
Iron	7439-89-6	**0.223**	0.100	0.0227	mg/L	03.15.2021 17:55		1
Manganese	7439-96-5	**0.00788**	0.00200	0.000199	mg/L	03.15.2021 17:55		1

Analytical Method: Chromium, Hexavalent by SW 7196A Prep Method:

Analyst: SPC % Moist:

Seq Number: 3153133 Date Prep: Tech: SPC

Prep seq:

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Chromium, Hexavalent	18540-29-9	**0.318**	0.0100	0.00273	mg/L	03.10.2021 11:06	~~K~~	1

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Sample Id: **MW093 SA** Matrix: Water Sample Depth:

Lab Sample Id: 691108-011 Date Collected: 03.09.2021 13:09 Date Received: 03.09.2021 17:58

Analytical Method: Chloride by EPA 300 Prep Method: E300P

Analyst: CHE % Moist:

Seq Number: 3153273 Date Prep: 03.10.2021 16:30 Tech: CHE

Prep seq: 7723018

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Chloride	16887-00-6	**885**	25.0	1.05	mg/L	03.10.2021 22:33		50

Analytical Method: TDS by SM2540C Prep Method:

Analyst: DTH % Moist:

Seq Number: 3153721 Date Prep: Tech: DTH

Subcontractor: SUB: T104704221-20-18 Prep seq:

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Total Dissolved Solids	1642222	**3960**	100	100	mg/L	03.11.2021 14:00		1

Analytical Method: (N) Dissolved Metals by SW6020A Prep Method: 3010A

Analyst: DEP % Moist:

Seq Number: 3153749 Date Prep: 03.14.2021 12:00 Tech: DEP

Subcontractor: SUB: T104704215-20-39 Prep seq: 7723278

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Arsenic	7440-38-2	**0.00907**	0.00400	0.000246	mg/L	03.15.2021 17:58		1
Chromium	7440-47-3	**0.499**	0.00400	0.000525	mg/L	03.15.2021 17:58		1
Iron	7439-89-6	<0.0227	0.100	0.0227	mg/L	03.15.2021 17:58	U	1
Manganese	7439-96-5	**0.0192**	0.00200	0.000199	mg/L	03.15.2021 17:58		1

Analytical Method: Chromium, Hexavalent by SW 7196A Prep Method:

Analyst: SPC % Moist:

Seq Number: 3153133 Date Prep: Tech: SPC

Prep seq:

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Chromium, Hexavalent	18540-29-9	**0.438**	0.0100	0.00273	mg/L	03.10.2021 11:06		1

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Sample Id: **MW041 A** Matrix: Water Sample Depth:

Lab Sample Id: 691108-012 Date Collected: 03.09.2021 13:24 Date Received: 03.09.2021 17:58

Analytical Method: Chloride by EPA 300 Prep Method: E300P

Analyst: CHE % Moist:

Seq Number: 3153273 Date Prep: 03.10.2021 16:30 Tech: CHE

Prep seq: 7723018

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Chloride	16887-00-6	**382**	5.00	0.210	mg/L	03.10.2021 22:39		10

Analytical Method: TDS by SM2540C Prep Method:

Analyst: DTH % Moist:

Seq Number: 3153721 Date Prep: Tech: DTH

Subcontractor: SUB: T104704221-20-18 Prep seq:

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Total Dissolved Solids	1642222	**1740**	50.0	50.0	mg/L	03.11.2021 14:00		1

Analytical Method: (N) Dissolved Metals by SW6020A Prep Method: 3010A

Analyst: DEP % Moist:

Seq Number: 3153749 Date Prep: 03.14.2021 12:00 Tech: DEP

Subcontractor: SUB: T104704215-20-39 Prep seq: 7723278

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Arsenic	7440-38-2	**0.0109**	0.00400	0.000246	mg/L	03.15.2021 18:07		1
Chromium	7440-47-3	**0.213**	0.00400	0.000525	mg/L	03.15.2021 18:07		1
Iron	7439-89-6	<0.0227	0.100	0.0227	mg/L	03.15.2021 18:07	U	1
Manganese	7439-96-5	**0.000387**	0.00200	0.000199	mg/L	03.15.2021 18:07	J	1

Analytical Method: Chromium, Hexavalent by SW 7196A Prep Method:

Analyst: SPC % Moist:

Seq Number: 3153134 Date Prep: Tech: SPC

Prep seq:

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Chromium, Hexavalent	18540-29-9	**0.199**	0.0100	0.00273	mg/L	03.10.2021 12:02		1

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Certificate of Analytical Results
691108
ARCADIS, Midland, TX
Eunice Project - N Eunice

Sample Id: **MW049 SA** Matrix: Water Sample Depth:

Lab Sample Id: 691108-013 Date Collected: 03.09.2021 13:58 Date Received: 03.09.2021 17:58

Analytical Method: Chloride by EPA 300 Prep Method: E300P

Analyst: CHE % Moist:

Seq Number: 3153273 Date Prep: 03.10.2021 16:30 Tech: CHE

Prep seq: 7723018

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Chloride	16887-00-6	**1110**	10.0	0.421	mg/L	03.10.2021 22:56		20

Analytical Method: TDS by SM2540C Prep Method:

Analyst: DTH % Moist:

Seq Number: 3153721 Date Prep: Tech: DTH

Subcontractor: SUB: T104704221-20-18 Prep seq:

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Total Dissolved Solids	1642222	**3160**	100	100	mg/L	03.11.2021 14:00		1

Analytical Method: (N) Dissolved Metals by SW6020A Prep Method: 3010A

Analyst: DEP % Moist:

Seq Number: 3153749 Date Prep: 03.14.2021 12:00 Tech: DEP

Subcontractor: SUB: T104704215-20-39 Prep seq: 7723278

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Arsenic	7440-38-2	**0.0115**	0.00400	0.000246	mg/L	03.15.2021 18:10		1
Chromium	7440-47-3	**0.220**	0.00400	0.000525	mg/L	03.15.2021 18:10		1
Iron	7439-89-6	**0.0274**	0.100	0.0227	mg/L	03.15.2021 18:10	J	1
Manganese	7439-96-5	**0.00301**	0.00200	0.000199	mg/L	03.15.2021 18:10		1

Analytical Method: Chromium, Hexavalent by SW 7196A Prep Method:

Analyst: SPC % Moist:

Seq Number: 3153134 Date Prep: Tech: SPC

Prep seq:

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Chromium, Hexavalent	18540-29-9	**0.210**	0.0100	0.00273	mg/L	03.10.2021 12:02		1

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Certificate of Analytical Results
691108
ARCADIS, Midland, TX
Eunice Project - N Eunice

Sample Id: **MW048 SA** Matrix: Water Sample Depth:

Lab Sample Id: 691108-014 Date Collected: 03.09.2021 14:27 Date Received: 03.09.2021 17:58

Analytical Method: Chloride by EPA 300 Prep Method: E300P

Analyst: CHE % Moist:

Seq Number: 3153273 Date Prep: 03.10.2021 16:30 Tech: CHE

Prep seq: 7723018

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Chloride	16887-00-6	**568**	10.0	0.421	mg/L	03.10.2021 23:01		20

Analytical Method: TDS by SM2540C Prep Method:

Analyst: DTH % Moist:

Seq Number: 3153721 Date Prep: Tech: DTH

Subcontractor: SUB: T104704221-20-18 Prep seq:

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Total Dissolved Solids	1642222	**1900**	50.0	50.0	mg/L	03.11.2021 14:00		1

Analytical Method: (N) Dissolved Metals by SW6020A Prep Method: 3010A

Analyst: DEP % Moist:

Seq Number: 3153749 Date Prep: 03.14.2021 12:00 Tech: DEP

Subcontractor: SUB: T104704215-20-39 Prep seq: 7723278

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Arsenic	7440-38-2	**0.0114**	0.00400	0.000246	mg/L	03.15.2021 18:13		1
Chromium	7440-47-3	**0.406**	0.00400	0.000525	mg/L	03.15.2021 18:13		1
Iron	7439-89-6	**0.0724**	0.100	0.0227	mg/L	03.15.2021 18:13	J	1
Manganese	7439-96-5	**0.00187**	0.00200	0.000199	mg/L	03.15.2021 18:13	J	1

Analytical Method: Chromium, Hexavalent by SW 7196A Prep Method:

Analyst: SPC % Moist:

Seq Number: 3153134 Date Prep: Tech: SPC

Prep seq:

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Chromium, Hexavalent	18540-29-9	**0.398**	0.0100	0.00273	mg/L	03.10.2021 12:02		1

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Certificate of Analytical Results
691108
ARCADIS, Midland, TX
Eunice Project - N Eunice

Sample Id: **DUP-2** Matrix: Water Sample Depth:

Lab Sample Id: 691108-015 Date Collected: 03.09.2021 00:00 Date Received: 03.09.2021 17:58

Analytical Method: Chloride by EPA 300 Prep Method: E300P

Analyst: CHE % Moist:

Seq Number: 3153273 Date Prep: 03.10.2021 16:30 Tech: CHE

Prep seq: 7723018

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Chloride	16887-00-6	**577**	10.0	0.421	mg/L	03.10.2021 23:07		20

Analytical Method: TDS by SM2540C Prep Method:

Analyst: DTH % Moist:

Seq Number: 3153721 Date Prep: Tech: DTH

Subcontractor: SUB: T104704221-20-18 Prep seq:

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Total Dissolved Solids	1642222	**1980**	50.0	50.0	mg/L	03.11.2021 14:00		1

Analytical Method: (N) Dissolved Metals by SW6020A Prep Method: 3010A

Analyst: DEP % Moist:

Seq Number: 3153749 Date Prep: 03.14.2021 12:00 Tech: DEP

Subcontractor: SUB: T104704215-20-39 Prep seq: 7723278

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Arsenic	7440-38-2	**0.0118**	0.00400	0.000246	mg/L	03.15.2021 18:16		1
Chromium	7440-47-3	**0.428**	0.00400	0.000525	mg/L	03.15.2021 18:16		1
Iron	7439-89-6	**0.0773**	0.100	0.0227	mg/L	03.15.2021 18:16	J	1
Manganese	7439-96-5	**0.00267**	0.00200	0.000199	mg/L	03.15.2021 18:16		1

Analytical Method: Chromium, Hexavalent by SW 7196A Prep Method:

Analyst: SPC % Moist:

Seq Number: 3153134 Date Prep: Tech: SPC

Prep seq:

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Chromium, Hexavalent	18540-29-9	**0.393**	0.0100	0.00273	mg/L	03.10.2021 12:02	~~K~~	1

Released to Imaging: 12/12/2022 10:42:57 AM
Received by OCD: 3/21/2022 2:39:57 PM

Chain of Custody

Work Order No: 691110

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 _____ of _____

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:	303-471-2477 Email:	madisyn.frandsen@arcadis.com	

Work Order Comments

Program: UST/PST ☐ PRP ☐ Brownfields ☐ RRC ☐ Superfund ☐
State of Project:
Reporting: Level II ☐ Level III ☐ PST/UST ☐ TRRP ☐ Level IV ☐
Deliverables: EDD ☐ ADaPT ☐ Other:

Project Name:	Eunice Project-N. Eunice	Turn Around	
Project Number:	30049577	Routine	
P.O. Number:		Rush:	
Sampler's Name:	Carlos Grajeda	Due Date:	

SAMPLE RECEIPT			
Temp Blank:	Yes (No)	Wet Ice:	(Yes) No
Temperature (°C):	2.3/2.8	Thermometer ID	IR8
Received Intact:	(Yes) No		
Cooler Custody Seals:	Yes No (N/A)	Correction Factor:	0.5
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): Aresenic, Maganese, Iron & Chromium	TDS (SM2540C)	Chlorides (EPA 300.0)
MW100	W	030921	824		3			X	X	X	X
MW076SA	W	3-9-21	921					X	X	X	X
MW075SA	W	3-9-21	1016					X	X	X	X
MW084SA	W	3-9-21	1043					X	X	X	X
MW085SA	W	3-9-21	1137					X	X	X	X
MW055SA	W	3-9-21	1258					X	X	X	X
MW056SA	W	3-9-21	1328					X	X	X	X
MW074SA	W	3-9-21	1354					X	X	X	X
MW057SA	W	3-9-21	1426					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	Carlos Grajeda	Kenny Schoonover	030921 1612	2		
3				4		
5				6		

Revised Date 051418 Rev. 2018.1

Final 1.000

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Certificate of Analytical Results
691110
ARCADIS, Midland, TX
Eunice Project - N Eunice

Sample Id: **MW100** Matrix: Water Sample Depth:

Lab Sample Id: 691110-001 Date Collected: 03.09.2021 08:24 Date Received: 03.09.2021 17:58

Analytical Method: Chloride by EPA 300 Prep Method: E300P

Analyst: CHE % Moist:

Seq Number: 3153273 Date Prep: 03.10.2021 16:30 Tech: CHE

Prep seq: 7723018

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Chloride	16887-00-6	**981**	10.0	0.421	mg/L	03.10.2021 23:12		20

Analytical Method: TDS by SM2540C Prep Method:

Analyst: DTH % Moist:

Seq Number: 3153734 Date Prep: Tech: DTH

Subcontractor: SUB: T104704221-20-18 Prep seq:

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Total Dissolved Solids	1642222	**2630**	100	100	mg/L	03.12.2021 12:41		1

Analytical Method: (N) Dissolved Metals by SW6020A Prep Method: 3010A

Analyst: DEP % Moist:

Seq Number: 3153592 Date Prep: 03.14.2021 12:00 Tech: DEP

Subcontractor: SUB: T104704215-20-39 Prep seq: 7723279

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Arsenic	7440-38-2	**0.00890**	0.00400	0.000246	mg/L	03.14.2021 23:44		1
Chromium	7440-47-3	**0.000681**	0.00400	0.000525	mg/L	03.14.2021 23:44	J	1
Iron	7439-89-6	**0.0766**	0.100	0.0227	mg/L	03.14.2021 23:44	J	1
Manganese	7439-96-5	**0.497**	0.00200	0.000199	mg/L	03.14.2021 23:44		1

Analytical Method: Chromium, Hexavalent by SW 7196A Prep Method:

Analyst: CHE % Moist:

Seq Number: 3153132 Date Prep: Tech: CHE

Prep seq:

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Chromium, Hexavalent	18540-29-9	<0.00273	0.0100	0.00273	mg/L	03.10.2021 08:05	U	1

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Certificate of Analytical Results
691110
ARCADIS, Midland, TX
Eunice Project - N Eunice

Sample Id: **MW076 SA** Matrix: Water Sample Depth:

Lab Sample Id: 691110-002 Date Collected: 03.09.2021 09:21 Date Received: 03.09.2021 17:58

Analytical Method: Chloride by EPA 300 Prep Method: E300P

Analyst: CHE % Moist:

Seq Number: 3153273 Date Prep: 03.10.2021 16:30 Tech: CHE

Prep seq: 7723018

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Chloride	16887-00-6	**536**	5.00	0.210	mg/L	03.10.2021 23:18		10

Analytical Method: TDS by SM2540C Prep Method:

Analyst: DTH % Moist:

Seq Number: 3153734 Date Prep: Tech: DTH

Subcontractor: SUB: T104704221-20-18 Prep seq:

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Total Dissolved Solids	1642222	**2130**	50.0	50.0	mg/L	03.12.2021 12:41		1

Analytical Method: (N) Dissolved Metals by SW6020A Prep Method: 3010A

Analyst: DEP % Moist:

Seq Number: 3153592 Date Prep: 03.14.2021 12:00 Tech: DEP

Subcontractor: SUB: T104704215-20-39 Prep seq: 7723279

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Arsenic	7440-38-2	**0.0125**	0.00400	0.000246	mg/L	03.15.2021 00:05		1
Chromium	7440-47-3	**0.00864**	0.00400	0.000525	mg/L	03.15.2021 00:05		1
Iron	7439-89-6	<0.0227	0.100	0.0227	mg/L	03.15.2021 00:05	U	1
Manganese	7439-96-5	**0.000229**	0.00200	0.000199	mg/L	03.15.2021 00:05	J	1

Analytical Method: Chromium, Hexavalent by SW 7196A Prep Method:

Analyst: CHE % Moist:

Seq Number: 3153132 Date Prep: Tech: CHE

Prep seq:

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Chromium, Hexavalent	18540-29-9	**0.00360**	0.0100	0.00273	mg/L	03.10.2021 08:05	J	1

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Certificate of Analytical Results
691110
ARCADIS, Midland, TX
Eunice Project - N Eunice

Sample Id: **MW075 SA** Matrix: Water Sample Depth:

Lab Sample Id: 691110-003 Date Collected: 03.09.2021 10:16 Date Received: 03.09.2021 17:58

Analytical Method: Chloride by EPA 300 Prep Method: E300P

Analyst: CHE % Moist:

Seq Number: 3153273 Date Prep: 03.10.2021 16:30 Tech: CHE

Prep seq: 7723018

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Chloride	16887-00-6	**489**	10.0	0.421	mg/L	03.10.2021 23:23		20

Analytical Method: TDS by SM2540C Prep Method:

Analyst: DTH % Moist:

Seq Number: 3153734 Date Prep: Tech: DTH

Subcontractor: SUB: T104704221-20-18 Prep seq:

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Total Dissolved Solids	1642222	**2020**	50.0	50.0	mg/L	03.12.2021 12:41		1

Analytical Method: (N) Dissolved Metals by SW6020A Prep Method: 3010A

Analyst: DEP % Moist:

Seq Number: 3153592 Date Prep: 03.14.2021 12:00 Tech: DEP

Subcontractor: SUB: T104704215-20-39 Prep seq: 7723279

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Arsenic	7440-38-2	**0.0131**	0.00400	0.000246	mg/L	03.15.2021 00:07		1
Chromium	7440-47-3	**0.0110**	0.00400	0.000525	mg/L	03.15.2021 00:07		1
Iron	7439-89-6	**0.0722**	0.100	0.0227	mg/L	03.15.2021 00:07	J	1
Manganese	7439-96-5	**0.00249**	0.00200	0.000199	mg/L	03.15.2021 00:07		1

Analytical Method: Chromium, Hexavalent by SW 7196A Prep Method:

Analyst: CHE % Moist:

Seq Number: 3153132 Date Prep: Tech: CHE

Prep seq:

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Chromium, Hexavalent	18540-29-9	**0.00540**	0.0100	0.00273	mg/L	03.10.2021 08:05	J	1

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Certificate of Analytical Results
691110
ARCADIS, Midland, TX
Eunice Project - N Eunice

Sample Id: **MW084 SA** Matrix: Water Sample Depth:

Lab Sample Id: 691110-004 Date Collected: 03.09.2021 10:43 Date Received: 03.09.2021 17:58

Analytical Method: Chloride by EPA 300 Prep Method: E300P

Analyst: CHE % Moist:

Seq Number: 3153273 Date Prep: 03.10.2021 16:30 Tech: CHE

Prep seq: 7723018

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Chloride	16887-00-6	**1020**	10.0	0.421	mg/L	03.10.2021 23:29		20

Analytical Method: TDS by SM2540C Prep Method:

Analyst: DTH % Moist:

Seq Number: 3153734 Date Prep: Tech: DTH

Subcontractor: SUB: T104704221-20-18 Prep seq:

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Total Dissolved Solids	1642222	**3130**	100	100	mg/L	03.12.2021 12:41		1

Analytical Method: (N) Dissolved Metals by SW6020A Prep Method: 3010A

Analyst: DEP % Moist:

Seq Number: 3153592 Date Prep: 03.14.2021 12:00 Tech: DEP

Subcontractor: SUB: T104704215-20-39 Prep seq: 7723279

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Arsenic	7440-38-2	**0.0103**	0.00400	0.000246	mg/L	03.15.2021 00:10		1
Chromium	7440-47-3	**0.0239**	0.00400	0.000525	mg/L	03.15.2021 00:10		1
Iron	7439-89-6	**0.165**	0.100	0.0227	mg/L	03.15.2021 00:10		1
Manganese	7439-96-5	**0.00465**	0.00200	0.000199	mg/L	03.15.2021 00:10		1

Analytical Method: Chromium, Hexavalent by SW 7196A Prep Method:

Analyst: CHE % Moist:

Seq Number: 3153132 Date Prep: Tech: CHE

Prep seq:

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Chromium, Hexavalent	18540-29-9	**0.0199**	0.0100	0.00273	mg/L	03.10.2021 08:05		1

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Certificate of Analytical Results
691110
ARCADIS, Midland, TX
Eunice Project - N Eunice

Sample Id: **MW085 SA** Matrix: Water Sample Depth:

Lab Sample Id: 691110-005 Date Collected: 03.09.2021 11:37 Date Received: 03.09.2021 17:58

Analytical Method: Chloride by EPA 300 Prep Method: E300P

Analyst: CHE % Moist:

Seq Number: 3153274 Date Prep: 03.10.2021 17:00 Tech: CHE

Prep seq: 7723019

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Chloride	16887-00-6	**1070**	25.0	1.05	mg/L	03.10.2021 17:36		50

Analytical Method: TDS by SM2540C Prep Method:

Analyst: DTH % Moist:

Seq Number: 3153734 Date Prep: Tech: DTH

Subcontractor: SUB: T104704221-20-18 Prep seq:

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Total Dissolved Solids	1642222	**4220**	100	100	mg/L	03.12.2021 12:41		1

Analytical Method: (N) Dissolved Metals by SW6020A Prep Method: 3010A

Analyst: DEP % Moist:

Seq Number: 3153592 Date Prep: 03.14.2021 12:00 Tech: DEP

Subcontractor: SUB: T104704215-20-39 Prep seq: 7723279

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Arsenic	7440-38-2	**0.0119**	0.00400	0.000246	mg/L	03.15.2021 00:13		1
Chromium	7440-47-3	**0.0609**	0.00400	0.000525	mg/L	03.15.2021 00:13		1
Iron	7439-89-6	**0.268**	0.100	0.0227	mg/L	03.15.2021 00:13		1
Manganese	7439-96-5	**0.0854**	0.00200	0.000199	mg/L	03.15.2021 00:13		1

Analytical Method: Chromium, Hexavalent by SW 7196A Prep Method:

Analyst: SPC % Moist:

Seq Number: 3153133 Date Prep: Tech: SPC

Prep seq:

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Chromium, Hexavalent	18540-29-9	<0.00273	0.0100	0.00273	mg/L	03.10.2021 11:06	U	1

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Certificate of Analytical Results
691110
ARCADIS, Midland, TX
Eunice Project - N Eunice

Sample Id: **MW055 SA** Matrix: Water Sample Depth:

Lab Sample Id: 691110-006 Date Collected: 03.09.2021 12:58 Date Received: 03.09.2021 17:58

Analytical Method: Chloride by EPA 300 Prep Method: E300P

Analyst: CHE % Moist:

Seq Number: 3153274 Date Prep: 03.10.2021 17:00 Tech: CHE

Prep seq: 7723019

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Chloride	16887-00-6	**547**	10.0	0.421	mg/L	03.10.2021 17:41		20

Analytical Method: TDS by SM2540C Prep Method:

Analyst: DTH % Moist:

Seq Number: 3153734 Date Prep: Tech: DTH

Subcontractor: SUB: T104704221-20-18 Prep seq:

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Total Dissolved Solids	1642222	**1820**	50.0	50.0	mg/L	03.12.2021 12:41		1

Analytical Method: (N) Dissolved Metals by SW6020A Prep Method: 3010A

Analyst: DEP % Moist:

Seq Number: 3153592 Date Prep: 03.14.2021 12:00 Tech: DEP

Subcontractor: SUB: T104704215-20-39 Prep seq: 7723279

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Arsenic	7440-38-2	**0.00734**	0.00400	0.000246	mg/L	03.15.2021 00:16		1
Chromium	7440-47-3	**0.174**	0.00400	0.000525	mg/L	03.15.2021 00:16		1
Iron	7439-89-6	<0.0227	0.100	0.0227	mg/L	03.15.2021 00:16	U	1
Manganese	7439-96-5	**0.000707**	0.00200	0.000199	mg/L	03.15.2021 00:16	J	1

Analytical Method: Chromium, Hexavalent by SW 7196A Prep Method:

Analyst: SPC % Moist:

Seq Number: 3153133 Date Prep: Tech: SPC

Prep seq:

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Chromium, Hexavalent	18540-29-9	**0.167**	0.0100	0.00273	mg/L	03.10.2021 11:06		1

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Certificate of Analytical Results
691110
ARCADIS, Midland, TX
Eunice Project - N Eunice

Sample Id: **MW056 SA** Matrix: Water Sample Depth:

Lab Sample Id: 691110-007 Date Collected: 03.09.2021 13:28 Date Received: 03.09.2021 17:58

Analytical Method: Chloride by EPA 300 Prep Method: E300P

Analyst: CHE % Moist:

Seq Number: 3153274 Date Prep: 03.10.2021 17:00 Tech: CHE

Prep seq: 7723019

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Chloride	16887-00-6	**706**	25.0	1.05	mg/L	03.10.2021 17:46		50

Analytical Method: TDS by SM2540C Prep Method:

Analyst: DTH % Moist:

Seq Number: 3153734 Date Prep: Tech: DTH

Subcontractor: SUB: T104704221-20-18 Prep seq:

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Total Dissolved Solids	1642222	**3490**	100	100	mg/L	03.12.2021 12:41		1

Analytical Method: (N) Dissolved Metals by SW6020A Prep Method: 3010A

Analyst: DEP % Moist:

Seq Number: 3153592 Date Prep: 03.14.2021 12:00 Tech: DEP

Subcontractor: SUB: T104704215-20-39 Prep seq: 7723279

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Arsenic	7440-38-2	**0.0141**	0.00400	0.000246	mg/L	03.15.2021 00:19		1
Chromium	7440-47-3	**0.339**	0.00400	0.000525	mg/L	03.15.2021 00:19		1
Iron	7439-89-6	**0.0360**	0.100	0.0227	mg/L	03.15.2021 00:19	J	1
Manganese	7439-96-5	**0.000500**	0.00200	0.000199	mg/L	03.15.2021 00:19	J	1

Analytical Method: Chromium, Hexavalent by SW 7196A Prep Method:

Analyst: SPC % Moist:

Seq Number: 3153133 Date Prep: Tech: SPC

Prep seq:

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Chromium, Hexavalent	18540-29-9	**0.335**	0.0100	0.00273	mg/L	03.10.2021 11:06		1

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Certificate of Analytical Results
691110
ARCADIS, Midland, TX
Eunice Project - N Eunice

Sample Id: **MW074 SA** Matrix: Water Sample Depth:

Lab Sample Id: 691110-008 Date Collected: 03.09.2021 13:54 Date Received: 03.09.2021 17:58

Analytical Method: Chloride by EPA 300 Prep Method: E300P

Analyst: CHE % Moist:

Seq Number: 3153274 Date Prep: 03.10.2021 17:00 Tech: CHE

Prep seq: 7723019

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Chloride	16887-00-6	**491**	10.0	0.421	mg/L	03.10.2021 17:51		20

Analytical Method: TDS by SM2540C Prep Method:

Analyst: DTH % Moist:

Seq Number: 3153734 Date Prep: Tech: DTH

Subcontractor: SUB: T104704221-20-18 Prep seq:

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Total Dissolved Solids	1642222	**2160**	50.0	50.0	mg/L	03.12.2021 12:41		1

Analytical Method: (N) Dissolved Metals by SW6020A Prep Method: 3010A

Analyst: DEP % Moist:

Seq Number: 3153592 Date Prep: 03.14.2021 12:00 Tech: DEP

Subcontractor: SUB: T104704215-20-39 Prep seq: 7723279

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Arsenic	7440-38-2	**0.0137**	0.00400	0.000246	mg/L	03.15.2021 00:22		1
Chromium	7440-47-3	**0.00970**	0.00400	0.000525	mg/L	03.15.2021 00:22		1
Iron	7439-89-6	**0.225**	0.100	0.0227	mg/L	03.15.2021 00:22		1
Manganese	7439-96-5	**0.00354**	0.00200	0.000199	mg/L	03.15.2021 00:22		1

Analytical Method: Chromium, Hexavalent by SW 7196A Prep Method:

Analyst: SPC % Moist:

Seq Number: 3153133 Date Prep: Tech: SPC

Prep seq:

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Chromium, Hexavalent	18540-29-9	**0.00750**	0.0100	0.00273	mg/L	03.10.2021 11:06	J	1

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Certificate of Analytical Results
691110
ARCADIS, Midland, TX
Eunice Project - N Eunice

Sample Id: **MW057 SA** Matrix: Water Sample Depth:

Lab Sample Id: 691110-009 Date Collected: 03.09.2021 14:26 Date Received: 03.09.2021 17:58

Analytical Method: Chloride by EPA 300 Prep Method: E300P

Analyst: CHE % Moist:

Seq Number: 3153274 Date Prep: 03.10.2021 17:00 Tech: CHE

Prep seq: 7723019

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Chloride	16887-00-6	**233**	5.00	0.210	mg/L	03.10.2021 17:13		10

Analytical Method: TDS by SM2540C Prep Method:

Analyst: DTH % Moist:

Seq Number: 3153734 Date Prep: Tech: DTH

Subcontractor: SUB: T104704221-20-18 Prep seq:

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Total Dissolved Solids	1642222	**1450**	50.0	50.0	mg/L	03.12.2021 12:41		1

Analytical Method: (N) Dissolved Metals by SW6020A Prep Method: 3010A

Analyst: DEP % Moist:

Seq Number: 3153592 Date Prep: 03.14.2021 12:00 Tech: DEP

Subcontractor: SUB: T104704215-20-39 Prep seq: 7723279

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Arsenic	7440-38-2	**0.0127**	0.00400	0.000246	mg/L	03.15.2021 00:25		1
Chromium	7440-47-3	**0.0165**	0.00400	0.000525	mg/L	03.15.2021 00:25		1
Iron	7439-89-6	**0.0920**	0.100	0.0227	mg/L	03.15.2021 00:25	J	1
Manganese	7439-96-5	**0.00296**	0.00200	0.000199	mg/L	03.15.2021 00:25		1

Analytical Method: Chromium, Hexavalent by SW 7196A Prep Method:

Analyst: SPC % Moist:

Seq Number: 3153133 Date Prep: Tech: SPC

Prep seq:

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Chromium, Hexavalent	18540-29-9	**0.0188**	0.0100	0.00273	mg/L	03.10.2021 11:06		1

Released to Imaging: 12/12/2022 10:42:57 AM

Received by OCD: 3/21/2022 2:39:57 PM
Final 1.000

Page 30 of 34

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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

Work Order No: 691328

Page 1 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:	303-471-2477	Email:	madisyn.frandsen@arcadis.com

Work Order Comments

Program: UST/PST ☐ PRP ☐ Brownfields ☐ RRC ☐ Superfund ☐
State of Project:
Reporting:Level II ☐ Level III ☐ PST/UST ☐ TRRP ☐ Level IV ☐
Deliverables: EDD ☐ ADaPT ☐ Other:

Project Name:	Eunice Project-N. Eunice	Turn Around	
Project Number:	30049577	Routine	✓
P.O. Number:		Rush:	
Sampler's Name:		Due Date:	

SAMPLE RECEIPT			
Temp Blank:	Yes (No)	Wet Ice:	(Yes) No
Temperature (°C):	2.0/2.5	Thermometer ID	R8
Received Intact:	(Yes) No		
Cooler Custody Seals:	Yes No (N/A)	Correction Factor:	0.5
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): Aresenic, Maganese, Iron & Chromium	TDS (SM2540C)	Chlorides (EPA 300.0)
MW021A	W	3-10-21	747		3			X	X	X	X
MW050SA	W	3-10-21	833		3			X	X	X	X
MW051SA	W	3-10-21	905		3			X	X	X	X
MW054.5A	W	3-10-21	944		3			X	X	X	X
MW067SA	W	3-10-21	1008		3			X	X	X	X
MW079SA	W	3-10-21	1035		3			X	X	X	X
1W003	W	3-10-21	1054		3			X	X	X	X
MW095	W	3-10-21	1136		3			X	X	X	X
MW060	W	3-10-21	1232		3			X	X	X	X
MW069	W	3-10-21	1311		3			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		3-10-21 1730	2		
3			4		
5			6		

Revised Date 051418 Rev. 2018.1

Released to Imaging: 12/12/2022 10:42:57 AM
Received by OCD: 3/21/2022 2:39:57 PM

Chain of Custody

XENCO LABORATORIES

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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: 691328

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:	303-471-2477	Email:	madisyn.frandsen@arcadis.com

Work Order Comments

Program: UST/PST ☐ PRP ☐ Brownfields ☐ RRC ☐ Superfund ☐
State of Project:
Reporting:Level II ☐ Level III ☐ PST/UST ☐ TRRP ☐ Level IV ☐
Deliverables: EDD ☐ ADaPT ☐ Other:

Project Name:	Eunice Project-N. Eunice	Turn Around	
Project Number:	30049577	Routine	✓
P.O. Number:		Rush:	
Sampler's Name:		Due Date:	

SAMPLE RECEIPT				
Temp Blank:	Yes (No)	Wet Ice:	(Yes) No	
Temperature (°C):	2.0/2.5	Thermometer ID		
Received Intact:	(Yes) No		R8	
Cooler Custody Seals:	Yes No (N/A)	Correction Factor:	0.5	
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): Aresenic, Maganese, Iron & Chromium	TDS (SM2540C)	Chlorides (EPA 300.0)
MW031	W	3-10-21	1339		3			X	X	X	X
MW059	W	3-10-21	1403		3			X	X	X	X
Dup3	W	3-10-21	—		3			X	X	X	X
Dup4	W	3-10-21	—		3			X	X	X	X
Dup5	W	3-10-21	—		3			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		3-10-21 1730	2		
3			4		
5			6		

Revised Date 051418 Rev. 2018.1

Final 1.000

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Certificate of Analytical Results
691328
ARCADIS, Midland, TX
Eunice Project - N Eunice

Sample Id: **MW021A** Matrix: Water Sample Depth:

Lab Sample Id: 691328-001 Date Collected: 03.10.2021 07:47 Date Received: 03.11.2021 17:30

Analytical Method: Chloride by EPA 300 Prep Method: E300P

Analyst: CHE % Moist:

Seq Number: 3153620 Date Prep: 03.12.2021 15:30 Tech: CHE

Prep seq: 7723226

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Chloride	16887-00-6	**2330**	25.0	1.05	mg/L	03.12.2021 19:10		50

Analytical Method: TDS by SM2540C Prep Method:

Analyst: DTH % Moist:

Seq Number: 3153922 Date Prep: Tech: DTH

Subcontractor: SUB: T104704221-20-18 Prep seq:

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Total Dissolved Solids	1642222	**5370**	100	100	mg/L	03.16.2021 17:00		1

Analytical Method: (N) Dissolved Metals by SW6020A Prep Method: 3010A

Analyst: DEP % Moist:

Seq Number: 3153749 Date Prep: 03.14.2021 12:00 Tech: DEP

Subcontractor: SUB: T104704215-20-39 Prep seq: 7723278

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Arsenic	7440-38-2	**0.0106**	0.00400	0.000246	mg/L	03.15.2021 18:18		1
Chromium	7440-47-3	**0.00259**	0.00400	0.000525	mg/L	03.15.2021 18:18	J	1
Iron	7439-89-6	<0.0227	0.100	0.0227	mg/L	03.15.2021 18:18	U	1
Manganese	7439-96-5	**0.0174**	0.00200	0.000199	mg/L	03.15.2021 18:18		1

Analytical Method: Chromium, Hexavalent by SW 7196A Prep Method:

Analyst: SPC % Moist:

Seq Number: 3153844 Date Prep: Tech: SPC

Prep seq:

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Chromium, Hexavalent	18540-29-9	<0.00273	0.0100	0.00273	mg/L	03.10.2021 18:21	U	1

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Certificate of Analytical Results
691328
ARCADIS, Midland, TX
Eunice Project - N Eunice

Sample Id: **MW050SA** Matrix: Water Sample Depth:

Lab Sample Id: 691328-002 Date Collected: 03.10.2021 08:33 Date Received: 03.11.2021 17:30

Analytical Method: Chloride by EPA 300 Prep Method: E300P

Analyst: CHE % Moist:

Seq Number: 3153620 Date Prep: 03.12.2021 15:30 Tech: CHE

Prep seq: 7723226

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Chloride	16887-00-6	**1180**	25.0	1.05	mg/L	03.12.2021 19:15		50

Analytical Method: TDS by SM2540C Prep Method:

Analyst: DTH % Moist:

Seq Number: 3153922 Date Prep: Tech: DTH

Subcontractor: SUB: T104704221-20-18 Prep seq:

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Total Dissolved Solids	1642222	**3370**	100	100	mg/L	03.16.2021 17:00		1

Analytical Method: (N) Dissolved Metals by SW6020A Prep Method: 3010A

Analyst: DEP % Moist:

Seq Number: 3153749 Date Prep: 03.14.2021 12:00 Tech: DEP

Subcontractor: SUB: T104704215-20-39 Prep seq: 7723278

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Arsenic	7440-38-2	**0.00906**	0.00400	0.000246	mg/L	03.15.2021 18:21		1
Chromium	7440-47-3	**0.307**	0.00400	0.000525	mg/L	03.15.2021 18:21		1
Iron	7439-89-6	<0.0227	0.100	0.0227	mg/L	03.15.2021 18:21	U	1
Manganese	7439-96-5	**0.00729**	0.00200	0.000199	mg/L	03.15.2021 18:21		1

Analytical Method: Chromium, Hexavalent by SW 7196A Prep Method:

Analyst: SPC % Moist:

Seq Number: 3153844 Date Prep: Tech: SPC

Prep seq:

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Chromium, Hexavalent	18540-29-9	**0.309**	0.0100	0.00273	mg/L	03.10.2021 18:21		1

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Certificate of Analytical Results
691328
ARCADIS, Midland, TX
Eunice Project - N Eunice

Sample Id: **MW051SA** Matrix: Water Sample Depth:

Lab Sample Id: 691328-003 Date Collected: 03.10.2021 09:05 Date Received: 03.11.2021 17:30

Analytical Method: Chloride by EPA 300 Prep Method: E300P

Analyst: CHE % Moist:

Seq Number: 3153620 Date Prep: 03.12.2021 15:30 Tech: CHE

Prep seq: 7723226

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Chloride	16887-00-6	**1050**	25.0	1.05	mg/L	03.12.2021 19:21		50

Analytical Method: TDS by SM2540C Prep Method:

Analyst: DTH % Moist:

Seq Number: 3153922 Date Prep: Tech: DTH

Subcontractor: SUB: T104704221-20-18 Prep seq:

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Total Dissolved Solids	1642222	**3540** J	100	100	mg/L	03.16.2021 17:00		1

Analytical Method: (N) Dissolved Metals by SW6020A Prep Method: 3010A

Analyst: DEP % Moist:

Seq Number: 3153749 Date Prep: 03.14.2021 12:00 Tech: DEP

Subcontractor: SUB: T104704215-20-39 Prep seq: 7723278

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Arsenic	7440-38-2	**0.0100**	0.00400	0.000246	mg/L	03.15.2021 18:24		1
Chromium	7440-47-3	**0.705**	0.00400	0.000525	mg/L	03.15.2021 18:24		1
Iron	7439-89-6	<0.0227	0.100	0.0227	mg/L	03.15.2021 18:24	U	1
Manganese	7439-96-5	**0.00359**	0.00200	0.000199	mg/L	03.15.2021 18:24		1

Analytical Method: Chromium, Hexavalent by SW 7196A Prep Method:

Analyst: SPC % Moist:

Seq Number: 3153844 Date Prep: Tech: SPC

Prep seq:

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Chromium, Hexavalent	18540-29-9	**0.738**	0.0500	0.0136	mg/L	03.10.2021 18:21		5

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Certificate of Analytical Results
691328
ARCADIS, Midland, TX
Eunice Project - N Eunice

Sample Id: **MW054SA** Matrix: Water Sample Depth:

Lab Sample Id: 691328-004 Date Collected: 03.10.2021 09:44 Date Received: 03.11.2021 17:30

Analytical Method: Chloride by EPA 300 Prep Method: E300P

Analyst: CHE % Moist:

Seq Number: 3153620 Date Prep: 03.12.2021 15:30 Tech: CHE

Prep seq: 7723226

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Chloride	16887-00-6	**862**	10.0	0.421	mg/L	03.12.2021 19:26		20

Analytical Method: TDS by SM2540C Prep Method:

Analyst: DTH % Moist:

Seq Number: 3153922 Date Prep: Tech: DTH

Subcontractor: SUB: T104704221-20-18 Prep seq:

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Total Dissolved Solids	1642222	**2180**	50.0	50.0	mg/L	03.16.2021 17:00		1

Analytical Method: (N) Dissolved Metals by SW6020A Prep Method: 3010A

Analyst: DEP % Moist:

Seq Number: 3153749 Date Prep: 03.14.2021 12:00 Tech: DEP

Subcontractor: SUB: T104704215-20-39 Prep seq: 7723278

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Arsenic	7440-38-2	**0.0105**	0.00400	0.000246	mg/L	03.15.2021 18:27		1
Chromium	7440-47-3	**0.119**	0.00400	0.000525	mg/L	03.15.2021 18:27		1
Iron	7439-89-6	<0.0227	0.100	0.0227	mg/L	03.15.2021 18:27	U	1
Manganese	7439-96-5	**0.000658**	0.00200	0.000199	mg/L	03.15.2021 18:27	J	1

Analytical Method: Chromium, Hexavalent by SW 7196A Prep Method:

Analyst: SPC % Moist:

Seq Number: 3153844 Date Prep: Tech: SPC

Prep seq:

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Chromium, Hexavalent	18540-29-9	**0.111**	0.0100	0.00273	mg/L	03.10.2021 18:21		1

eurofins | Environment Testing Xenco

Certificate of Analytical Results
691328
ARCADIS, Midland, TX
Eunice Project - N Eunice

Sample Id: **MW067SA** Matrix: Water Sample Depth:

Lab Sample Id: 691328-005 Date Collected: 03.10.2021 10:08 Date Received: 03.11.2021 17:30

Analytical Method: Chloride by EPA 300 Prep Method: E300P

Analyst: CHE % Moist:

Seq Number: 3153620 Date Prep: 03.12.2021 15:30 Tech: CHE

Prep seq: 7723226

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Chloride	16887-00-6	**193**	5.00	0.210	mg/L	03.12.2021 18:53	X	10

Analytical Method: TDS by SM2540C Prep Method:

Analyst: DTH % Moist:

Seq Number: 3153922 Date Prep: Tech: DTH

Subcontractor: SUB: T104704221-20-18 Prep seq:

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Total Dissolved Solids	1642222	**991**	25.0	25.0	mg/L	03.16.2021 17:00		1

Analytical Method: (N) Dissolved Metals by SW6020A Prep Method: 3010A

Analyst: DEP % Moist:

Seq Number: 3153749 Date Prep: 03.14.2021 12:00 Tech: DEP

Subcontractor: SUB: T104704215-20-39 Prep seq: 7723278

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Arsenic	7440-38-2	**0.0193**	0.00400	0.000246	mg/L	03.15.2021 18:30		1
Chromium	7440-47-3	**0.000640**	0.00400	0.000525	mg/L	03.15.2021 18:30	J	1
Iron	7439-89-6	**0.180**	0.100	0.0227	mg/L	03.15.2021 18:30		1
Manganese	7439-96-5	**0.00337**	0.00200	0.000199	mg/L	03.15.2021 18:30		1

Analytical Method: Chromium, Hexavalent by SW 7196A Prep Method:

Analyst: SPC % Moist:

Seq Number: 3153844 Date Prep: Tech: SPC

Prep seq:

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Chromium, Hexavalent	18540-29-9	<0.00273	0.0100	0.00273	mg/L	03.10.2021 18:21	U	1

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Sample Id: **MW079SA** Matrix: Water Sample Depth:

Lab Sample Id: 691328-006 Date Collected: 03.10.2021 10:35 Date Received: 03.11.2021 17:30

Analytical Method: Chloride by EPA 300 Prep Method: E300P

Analyst: CHE % Moist:

Seq Number: 3153620 Date Prep: 03.12.2021 15:30 Tech: CHE

Prep seq: 7723226

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Chloride	16887-00-6	**281**	5.00	0.210	mg/L	03.12.2021 19:43		10

Analytical Method: TDS by SM2540C Prep Method:

Analyst: DTH % Moist:

Seq Number: 3153922 Date Prep: Tech: DTH

Subcontractor: SUB: T104704221-20-18 Prep seq:

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Total Dissolved Solids	1642222	**1270**	50.0	50.0	mg/L	03.16.2021 17:00		1

Analytical Method: (N) Dissolved Metals by SW6020A Prep Method: 3010A

Analyst: DEP % Moist:

Seq Number: 3153894 Date Prep: 03.16.2021 09:00 Tech: DEP

Subcontractor: SUB: T104704215-20-39 Prep seq: 7723430

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Arsenic	7440-38-2	**0.00962**	0.00400	0.000246	mg/L	03.16.2021 19:32		1
Chromium	7440-47-3	<0.000525	0.00400	0.000525	mg/L	03.16.2021 19:32	U	1
Iron	7439-89-6	**0.0839**	0.100	0.0227	mg/L	03.16.2021 19:32	J	1
Manganese	7439-96-5	**0.0210**	0.00200	0.000199	mg/L	03.16.2021 19:32		1

Analytical Method: Chromium, Hexavalent by SW 7196A Prep Method:

Analyst: SPC % Moist:

Seq Number: 3153844 Date Prep: Tech: SPC

Prep seq:

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Chromium, Hexavalent	18540-29-9	<0.00273	0.0100	0.00273	mg/L	03.10.2021 18:21	U	1

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Sample Id: **IW003** Matrix: Water Sample Depth:

Lab Sample Id: 691328-007 Date Collected: 03.10.2021 10:54 Date Received: 03.11.2021 17:30

Analytical Method: Chloride by EPA 300 Prep Method: E300P

Analyst: CHE % Moist:

Seq Number: 3153620 Date Prep: 03.12.2021 15:30 Tech: CHE

Prep seq: 7723226

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Chloride	16887-00-6	**795**	10.0	0.421	mg/L	03.12.2021 19:48		20

Analytical Method: TDS by SM2540C Prep Method:

Analyst: DTH % Moist:

Seq Number: 3153922 Date Prep: Tech: DTH

Subcontractor: SUB: T104704221-20-18 Prep seq:

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Total Dissolved Solids	1642222	**2260**	100	100	mg/L	03.16.2021 17:00		1

Analytical Method: (N) Dissolved Metals by SW6020A Prep Method: 3010A

Analyst: DEP % Moist:

Seq Number: 3153894 Date Prep: 03.16.2021 09:00 Tech: DEP

Subcontractor: SUB: T104704215-20-39 Prep seq: 7723430

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Arsenic	7440-38-2	**0.0162**	0.00400	0.000246	mg/L	03.16.2021 19:35		1
Chromium	7440-47-3	**0.00497**	0.00400	0.000525	mg/L	03.16.2021 19:35		1
Iron	7439-89-6	**6.27**	0.100	0.0227	mg/L	03.16.2021 19:35		1
Manganese	7439-96-5	**5.10**	0.200	0.0199	mg/L	03.17.2021 12:25	~~D~~	100

Analytical Method: Chromium, Hexavalent by SW 7196A Prep Method:

Analyst: SPC % Moist:

Seq Number: 3153844 Date Prep: Tech: SPC

Prep seq:

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Chromium, Hexavalent	18540-29-9	<0.00273	0.0100	0.00273	mg/L	03.10.2021 18:21	U	1

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Sample Id: **MW095** Matrix: Water Sample Depth:

Lab Sample Id: 691328-008 Date Collected: 03.10.2021 11:36 Date Received: 03.11.2021 17:30

Analytical Method: Chloride by EPA 300 Prep Method: E300P

Analyst: CHE % Moist:

Seq Number: 3153620 Date Prep: 03.12.2021 15:30 Tech: CHE

Prep seq: 7723226

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Chloride	16887-00-6	**1460**	25.0	1.05	mg/L	03.12.2021 19:54		50

Analytical Method: TDS by SM2540C Prep Method:

Analyst: DTH % Moist:

Seq Number: 3153922 Date Prep: Tech: DTH

Subcontractor: SUB: T104704221-20-18 Prep seq:

Parameter	CAS Number	Result		MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Total Dissolved Solids	1642222	**4570**	J	100	100	mg/L	03.16.2021 17:00		1

Analytical Method: (N) Dissolved Metals by SW6020A Prep Method: 3010A

Analyst: DEP % Moist:

Seq Number: 3153894 Date Prep: 03.16.2021 09:00 Tech: DEP

Subcontractor: SUB: T104704215-20-39 Prep seq: 7723430

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Arsenic	7440-38-2	**0.00894**	0.00400	0.000246	mg/L	03.16.2021 19:38		1
Chromium	7440-47-3	**3.83**	0.200	0.0262	mg/L	03.17.2021 12:28	D	50
Iron	7439-89-6	**0.0328**	0.100	0.0227	mg/L	03.16.2021 19:38	J	1
Manganese	7439-96-5	**0.111**	0.00200	0.000199	mg/L	03.16.2021 19:38		1

Analytical Method: Chromium, Hexavalent by SW 7196A Prep Method:

Analyst: SPC % Moist:

Seq Number: 3153844 Date Prep: Tech: SPC

Prep seq:

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Chromium, Hexavalent	18540-29-9	**3.67**	0.200	0.0545	mg/L	03.10.2021 18:21		20

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Sample Id: **MW060** Matrix: Water Sample Depth:

Lab Sample Id: 691328-009 Date Collected: 03.10.2021 12:32 Date Received: 03.11.2021 17:30

Analytical Method: Chloride by EPA 300 Prep Method: E300P

Analyst: CHE % Moist:

Seq Number: 3153620 Date Prep: 03.12.2021 15:30 Tech: CHE

Prep seq: 7723226

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Chloride	16887-00-6	**1360**	25.0	1.05	mg/L	03.12.2021 19:59		50

Analytical Method: TDS by SM2540C Prep Method:

Analyst: DTH % Moist:

Seq Number: 3153922 Date Prep: Tech: DTH

Subcontractor: SUB: T104704221-20-18 Prep seq:

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Total Dissolved Solids	1642222	**3400**	100	100	mg/L	03.16.2021 17:00		1

Analytical Method: (N) Dissolved Metals by SW6020A Prep Method: 3010A

Analyst: DEP % Moist:

Seq Number: 3153894 Date Prep: 03.16.2021 09:00 Tech: DEP

Subcontractor: SUB: T104704215-20-39 Prep seq: 7723430

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Arsenic	7440-38-2	**0.00332**	0.00400	0.000246	mg/L	03.16.2021 19:41	J	1
Chromium	7440-47-3	<0.000525	0.00400	0.000525	mg/L	03.16.2021 19:41	U	1
Iron	7439-89-6	**2.08**	0.100	0.0227	mg/L	03.16.2021 19:41		1
Manganese	7439-96-5	**5.71**	0.200	0.0199	mg/L	03.17.2021 12:31	D	100

Analytical Method: Chromium, Hexavalent by SW 7196A Prep Method:

Analyst: SPC % Moist:

Seq Number: 3153844 Date Prep: Tech: SPC

Prep seq:

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Chromium, Hexavalent	18540-29-9	<0.00273	0.0100	0.00273	mg/L	03.10.2021 18:21	U	1

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Sample Id: **MW069** Matrix: Water Sample Depth:

Lab Sample Id: 691328-010 Date Collected: 03.10.2021 13:11 Date Received: 03.11.2021 17:30

Analytical Method: Chloride by EPA 300 Prep Method: E300P

Analyst: CHE % Moist:

Seq Number: 3153620 Date Prep: 03.12.2021 15:30 Tech: CHE

Prep seq: 7723226

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Chloride	16887-00-6	**8610**	50.0	2.10	mg/L	03.12.2021 20:05		100

Analytical Method: TDS by SM2540C Prep Method:

Analyst: DTH % Moist:

Seq Number: 3153922 Date Prep: Tech: DTH

Subcontractor: SUB: T104704221-20-18 Prep seq:

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Total Dissolved Solids	1642222	**15100**	50.0	50.0	mg/L	03.16.2021 17:00		1

Analytical Method: (N) Dissolved Metals by SW6020A Prep Method: 3010A

Analyst: DEP % Moist:

Seq Number: 3153894 Date Prep: 03.16.2021 09:00 Tech: DEP

Subcontractor: SUB: T104704215-20-39 Prep seq: 7723430

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Arsenic	7440-38-2	**0.00732**	0.00400	0.000246	mg/L	03.16.2021 19:43		1
Chromium	7440-47-3	<0.000525	0.00400	0.000525	mg/L	03.16.2021 19:43	U	1
Iron	7439-89-6	**0.0299**	0.100	0.0227	mg/L	03.16.2021 19:43	J	1
Manganese	7439-96-5	**0.170**	0.00200	0.000199	mg/L	03.16.2021 19:43		1

Analytical Method: Chromium, Hexavalent by SW 7196A Prep Method:

Analyst: SPC % Moist:

Seq Number: 3153846 Date Prep: Tech: SPC

Prep seq:

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Chromium, Hexavalent	18540-29-9	<0.00273	0.0100	0.00273	mg/L	03.10.2021 19:35	U	1

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Sample Id: **MW031** Matrix: Water Sample Depth:

Lab Sample Id: 691328-011 Date Collected: 03.10.2021 13:39 Date Received: 03.11.2021 17:30

Analytical Method: Chloride by EPA 300 Prep Method: E300P

Analyst: CHE % Moist:

Seq Number: 3153620 Date Prep: 03.12.2021 15:30 Tech: CHE

Prep seq: 7723226

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Chloride	16887-00-6	**160**	2.50	0.105	mg/L	03.12.2021 20:10	X	5

Analytical Method: TDS by SM2540C Prep Method:

Analyst: DTH % Moist:

Seq Number: 3153992 Date Prep: Tech: DTH

Subcontractor: SUB: T104704221-20-18 Prep seq:

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Total Dissolved Solids	1642222	**863**	25.0	25.0	mg/L	03.16.2021 17:00		1

Analytical Method: (N) Dissolved Metals by SW6020A Prep Method: 3010A

Analyst: DEP % Moist:

Seq Number: 3153894 Date Prep: 03.16.2021 09:00 Tech: DEP

Subcontractor: SUB: T104704215-20-39 Prep seq: 7723430

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Arsenic	7440-38-2	**0.0290**	0.00400	0.000246	mg/L	03.16.2021 19:46		1
Chromium	7440-47-3	<0.000525	0.00400	0.000525	mg/L	03.16.2021 19:46	U	1
Iron	7439-89-6	**0.822**	0.100	0.0227	mg/L	03.16.2021 19:46		1
Manganese	7439-96-5	**0.190**	0.00200	0.000199	mg/L	03.16.2021 19:46		1

Analytical Method: Chromium, Hexavalent by SW 7196A Prep Method:

Analyst: SPC % Moist:

Seq Number: 3153846 Date Prep: Tech: SPC

Prep seq:

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Chromium, Hexavalent	18540-29-9	<0.00273	0.0100	0.00273	mg/L	03.10.2021 19:35	U	1

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Sample Id: **MW059** Matrix: Water Sample Depth:

Lab Sample Id: 691328-012 Date Collected: 03.10.2021 14:03 Date Received: 03.11.2021 17:30

Analytical Method: Chloride by EPA 300 Prep Method: E300P

Analyst: CHE % Moist:

Seq Number: 3153620 Date Prep: 03.12.2021 15:30 Tech: CHE

Prep seq: 7723226

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Chloride	16887-00-6	**812**	10.0	0.421	mg/L	03.12.2021 20:27		20

Analytical Method: TDS by SM2540C Prep Method:

Analyst: DTH % Moist:

Seq Number: 3153992 Date Prep: Tech: DTH

Subcontractor: SUB: T104704221-20-18 Prep seq:

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Total Dissolved Solids	1642222	**919**	25.0	25.0	mg/L	03.16.2021 17:00		1

Analytical Method: (N) Dissolved Metals by SW6020A Prep Method: 3010A

Analyst: DEP % Moist:

Seq Number: 3153894 Date Prep: 03.16.2021 09:00 Tech: DEP

Subcontractor: SUB: T104704215-20-39 Prep seq: 7723430

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Arsenic	7440-38-2	**0.0137**	0.00400	0.000246	mg/L	03.16.2021 19:49		1
Chromium	7440-47-3	**0.650**	0.00400	0.000525	mg/L	03.16.2021 19:49		1
Iron	7439-89-6	<0.0227	0.100	0.0227	mg/L	03.16.2021 19:49	U	1
Manganese	7439-96-5	<0.000199	0.00200	0.000199	mg/L	03.16.2021 19:49	U	1

Analytical Method: Chromium, Hexavalent by SW 7196A Prep Method:

Analyst: SPC % Moist:

Seq Number: 3153846 Date Prep: Tech: SPC

Prep seq:

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Chromium, Hexavalent	18540-29-9	**0.465**	0.0100	0.00273	mg/L	03.10.2021 19:35		1

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Sample Id: **DUP3** Matrix: Water Sample Depth:

Lab Sample Id: 691328-013 Date Collected: 03.10.2021 00:00 Date Received: 03.11.2021 17:30

Analytical Method: Chloride by EPA 300 Prep Method: E300P

Analyst: CHE % Moist:

Seq Number: 3153620 Date Prep: 03.12.2021 15:30 Tech: CHE

Prep seq: 7723226

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Chloride	16887-00-6	**1050**	25.0	1.05	mg/L	03.12.2021 20:33		50

Analytical Method: TDS by SM2540C Prep Method:

Analyst: DTH % Moist:

Seq Number: 3153992 Date Prep: Tech: DTH

Subcontractor: SUB: T104704221-20-18 Prep seq:

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Total Dissolved Solids	1642222	**853** J	25.0	25.0	mg/L	03.16.2021 17:00		1

Analytical Method: (N) Dissolved Metals by SW6020A Prep Method: 3010A

Analyst: DEP % Moist:

Seq Number: 3153894 Date Prep: 03.16.2021 09:00 Tech: DEP

Subcontractor: SUB: T104704215-20-39 Prep seq: 7723430

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Arsenic	7440-38-2	**0.0111**	0.00400	0.000246	mg/L	03.16.2021 19:52		1
Chromium	7440-47-3	**0.761**	0.00400	0.000525	mg/L	03.16.2021 19:52		1
Iron	7439-89-6	<0.0227	0.100	0.0227	mg/L	03.16.2021 19:52	U	1
Manganese	7439-96-5	**0.00381**	0.00200	0.000199	mg/L	03.16.2021 19:52		1

Analytical Method: Chromium, Hexavalent by SW 7196A Prep Method:

Analyst: SPC % Moist:

Seq Number: 3153846 Date Prep: Tech: SPC

Prep seq:

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Chromium, Hexavalent	18540-29-9	**0.725**	0.0500	0.0136	mg/L	03.10.2021 19:35		5

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Sample Id: **DUP4** Matrix: Water Sample Depth:

Lab Sample Id: 691328-014 Date Collected: 03.10.2021 00:00 Date Received: 03.11.2021 17:30

Analytical Method: Chloride by EPA 300 Prep Method: E300P

Analyst: CHE % Moist:

Seq Number: 3153620 Date Prep: 03.12.2021 15:30 Tech: CHE

Prep seq: 7723226

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Chloride	16887-00-6	**1470**	25.0	1.05	mg/L	03.12.2021 20:49		50

Analytical Method: TDS by SM2540C Prep Method:

Analyst: DTH % Moist:

Seq Number: 3153992 Date Prep: Tech: DTH

Subcontractor: SUB: T104704221-20-18 Prep seq:

Parameter	CAS Number	Result		MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Total Dissolved Solids	1642222	**1090**	J	25.0	25.0	mg/L	03.16.2021 17:00		1

Analytical Method: (N) Dissolved Metals by SW6020A Prep Method: 3010A

Analyst: DEP % Moist:

Seq Number: 3153894 Date Prep: 03.16.2021 09:00 Tech: DEP

Subcontractor: SUB: T104704215-20-39 Prep seq: 7723430

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Arsenic	7440-38-2	**0.00929**	0.00400	0.000246	mg/L	03.16.2021 19:55		1
Chromium	7440-47-3	**4.03**	0.200	0.0262	mg/L	03.17.2021 12:34	D	50
Iron	7439-89-6	**0.0306**	0.100	0.0227	mg/L	03.16.2021 19:55	J	1
Manganese	7439-96-5	**0.112**	0.00200	0.000199	mg/L	03.16.2021 19:55		1

Analytical Method: Chromium, Hexavalent by SW 7196A Prep Method:

Analyst: SPC % Moist:

Seq Number: 3153846 Date Prep: Tech: SPC

Prep seq:

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Chromium, Hexavalent	18540-29-9	**3.70**	0.200	0.0545	mg/L	03.10.2021 19:35		20

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Sample Id: **DUP5** Matrix: Water Sample Depth:

Lab Sample Id: 691328-015 Date Collected: 03.10.2021 00:00 Date Received: 03.11.2021 17:30

Analytical Method: Chloride by EPA 300 Prep Method: E300P

Analyst: CHE % Moist:

Seq Number: 3153620 Date Prep: 03.12.2021 15:30 Tech: CHE

Prep seq: 7723226

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Chloride	16887-00-6	**831**	10.0	0.421	mg/L	03.12.2021 20:55		20

Analytical Method: TDS by SM2540C Prep Method:

Analyst: DTH % Moist:

Seq Number: 3153992 Date Prep: Tech: DTH

Subcontractor: SUB: T104704221-20-18 Prep seq:

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Total Dissolved Solids	1642222	**842**	25.0	25.0	mg/L	03.16.2021 17:00		1

Analytical Method: (N) Dissolved Metals by SW6020A Prep Method: 3010A

Analyst: DEP % Moist:

Seq Number: 3153894 Date Prep: 03.16.2021 09:00 Tech: DEP

Subcontractor: SUB: T104704215-20-39 Prep seq: 7723430

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Arsenic	7440-38-2	**0.0129**	0.00400	0.000246	mg/L	03.16.2021 20:04		1
Chromium	7440-47-3	**0.612**	0.00400	0.000525	mg/L	03.16.2021 20:04		1
Iron	7439-89-6	<0.0227	0.100	0.0227	mg/L	03.16.2021 20:04	U	1
Manganese	7439-96-5	<0.000199	0.00200	0.000199	mg/L	03.16.2021 20:04	U	1

Analytical Method: Chromium, Hexavalent by SW 7196A Prep Method:

Analyst: SPC % Moist:

Seq Number: 3153846 Date Prep: Tech: SPC

Prep seq:

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Chromium, Hexavalent	18540-29-9	**0.483**	0.0100	0.00273	mg/L	03.10.2021 19:35		1

Released to Imaging: 12/12/2022 10:42:57 AM
Received by OCD: 3/21/2022 2:39:57 PM
Final 1.000

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: 691329

www.xenco.com Page 1 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:	303-471-2477	Email:	madisyn.frandsen@arcadis.com

Work Order Comments

Program: UST/PST PRP Brownfields RRC Superfund
State of Project:
Reporting:Level II Level III PST/UST TRRP Level IV
Deliverables: EDD ADaPT Other:

Project Name:	Eunice Project-N. Eunice	Turn Around	
Project Number:	30049577	Routine	
P.O. Number:		Rush:	
Sampler's Name:	Jerry S. Longwell	Due Date:	

SAMPLE RECEIPT			
Temperature (°C):	2.0/2.5	Temp Blank: Yes (No)	Wet Ice: (Yes) No
Received Intact:	(Yes) No	Thermometer ID	AJ 0.5 R8
Cooler Custody Seals:	Yes No (N/A)	Correction Factor:	0.5
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): Aresenic, Maganese, Iron & Chromium	TDS (SM2540C)	Chlorides (EPA 300.0)
MW052SA	W	031021	0734		3			X	X	X	X
MW020A	W	031021	0755		3			X	X	X	X
MW019A	W	031021	0817		3			X	X	X	X
MW018	W	031021	0838		3			X	X	X	X
MW010	W	031021	0920		3			X	X	X	X
MW040A	W	031021	0940		3			X	X	X	X
MW013	W	031021	1014		3			X	X	X	X
MW015A	W	031021	1037		3			X	X	X	X
MW024A	W	031021	1057		3			X	X	X	X
MW062A	W	031021	1150		3			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	Jerry S. Longwell	Carlos Granados	031021 1500	2	Carlos Granados		3/10/21 17:30
3				4			
5				6			

Revised Date 051418 Rev. 2018.1

Released to Imaging: 12/12/2022 10:42:57 AM

Received by OCD: 3/21/2022 2:39:57 PM
Final 1.000

Chain of Custody

Work Order No: 691329

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)
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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:	303-471-2477	Email:	madisyn.frandsen@arcadis.com

Work Order Comments

Program: UST/PST ☐ PRP ☐ Brownfields ☐ RRC ☐ Superfund ☐
State of Project:
Reporting:Level II ☐ Level III ☐ PST/UST ☐ TRRP ☐ Level IV ☐
Deliverables: EDD ☐ ADaPT ☐ Other:

Project Name:	Eunice Project-N. Eunice	Turn Around	
Project Number:	30049577	Routine	✓
P.O. Number:		Rush:	
Sampler's Name:	Jeny Stonecipher	Due Date:	

SAMPLE RECEIPT			
Temp Blank:	(Yes) No	Wet Ice:	(Yes) No
Temperature (°C):	2.0/2.5	Thermometer ID	
Received Intact:	(Yes) No	IR8	
Cooler Custody Seals:	Yes No (N/A)	Correction Factor:	0.5
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): Aresenic, Maganese, Iron & Chromium	TDS (SM2540C)	Chlorides (EPA 300.0)
MW063A	W	031021	1232		3			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
Jeny Stonecipher	Carlos Granada	031021/1500	2 Carlos Granada		3/10/21 17:30
3			4		
5			6		

Revised Date 051418 Rev. 2018.1

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Certificate of Analytical Results
691329
ARCADIS, Midland, TX
Eunice Project - N Eunice

Sample Id: **MW52SA** Matrix: Water Sample Depth:

Lab Sample Id: 691329-001 Date Collected: 03.10.2021 07:38 Date Received: 03.10.2021 17:30

Analytical Method: Chloride by EPA 300 Prep Method: E300P

Analyst: CHE % Moist:

Seq Number: 3153620 Date Prep: 03.12.2021 15:30 Tech: CHE

Prep seq: 7723226

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Chloride	16887-00-6	**1410**	25.0	1.05	mg/L	03.12.2021 21:00		50

Analytical Method: TDS by SM2540C Prep Method:

Analyst: DTH % Moist:

Seq Number: 3153922 Date Prep: Tech: DTH

Subcontractor: SUB: T104704221-20-18 Prep seq:

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Total Dissolved Solids	1642222	**3170**	100	100	mg/L	03.16.2021 17:00		1

Analytical Method: (N) Dissolved Metals by SW6020A Prep Method: 3010A

Analyst: DEP % Moist:

Seq Number: 3153592 Date Prep: 03.14.2021 12:00 Tech: DEP

Subcontractor: SUB: T104704215-20-39 Prep seq: 7723279

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Arsenic	7440-38-2	**0.0139**	0.00400	0.000246	mg/L	03.15.2021 00:28		1
Chromium	7440-47-3	**0.246**	0.00400	0.000525	mg/L	03.15.2021 00:28		1
Iron	7439-89-6	**0.183**	0.100	0.0227	mg/L	03.15.2021 00:28		1
Manganese	7439-96-5	**0.00686**	0.00200	0.000199	mg/L	03.15.2021 00:28		1

Analytical Method: Chromium, Hexavalent by SW 7196A Prep Method:

Analyst: SPC % Moist:

Seq Number: 3153842 Date Prep: Tech: SPC

Prep seq:

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Chromium, Hexavalent	18540-29-9	**0.244**	0.0100	0.00273	mg/L	03.10.2021 18:00		1

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Certificate of Analytical Results
691329
ARCADIS, Midland, TX
Eunice Project - N Eunice

Sample Id: **MW020SA** Matrix: Water Sample Depth:

Lab Sample Id: 691329-002 Date Collected: 03.10.2021 07:59 Date Received: 03.10.2021 17:30

Analytical Method: Chloride by EPA 300 Prep Method: E300P

Analyst: CHE % Moist:

Seq Number: 3153620 Date Prep: 03.12.2021 15:30 Tech: CHE

Prep seq: 7723226

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Chloride	16887-00-6	**1170**	10.0	0.421	mg/L	03.12.2021 21:06		20

Analytical Method: TDS by SM2540C Prep Method:

Analyst: DTH % Moist:

Seq Number: 3153922 Date Prep: Tech: DTH

Subcontractor: SUB: T104704221-20-18 Prep seq:

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Total Dissolved Solids	1642222	**2520**	100	100	mg/L	03.16.2021 17:00		1

Analytical Method: (N) Dissolved Metals by SW6020A Prep Method: 3010A

Analyst: DEP % Moist:

Seq Number: 3153592 Date Prep: 03.14.2021 12:00 Tech: DEP

Subcontractor: SUB: T104704215-20-39 Prep seq: 7723279

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Arsenic	7440-38-2	**0.0107**	0.00400	0.000246	mg/L	03.15.2021 00:31		1
Chromium	7440-47-3	**0.00549**	0.00400	0.000525	mg/L	03.15.2021 00:31		1
Iron	7439-89-6	<0.0227	0.100	0.0227	mg/L	03.15.2021 00:31	U	1
Manganese	7439-96-5	**0.00108**	0.00200	0.000199	mg/L	03.15.2021 00:31	J	1

Analytical Method: Chromium, Hexavalent by SW 7196A Prep Method:

Analyst: SPC % Moist:

Seq Number: 3153842 Date Prep: Tech: SPC

Prep seq:

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Chromium, Hexavalent	18540-29-9	<0.00273	0.0100	0.00273	mg/L	03.10.2021 18:00	U	1

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Certificate of Analytical Results
691329
ARCADIS, Midland, TX
Eunice Project - N Eunice

Sample Id: **MW019A** Matrix: Water Sample Depth:

Lab Sample Id: 691329-003 Date Collected: 03.10.2021 08:17 Date Received: 03.10.2021 17:30

Analytical Method: Chloride by EPA 300 Prep Method: E300P

Analyst: CHE % Moist:

Seq Number: 3153620 Date Prep: 03.12.2021 15:30 Tech: CHE

Prep seq: 7723226

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Chloride	16887-00-6	**266**	5.00	0.210	mg/L	03.12.2021 21:11		10

Analytical Method: TDS by SM2540C Prep Method:

Analyst: DTH % Moist:

Seq Number: 3153922 Date Prep: Tech: DTH

Subcontractor: SUB: T104704221-20-18 Prep seq:

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Total Dissolved Solids	1642222	**1310**	50.0	50.0	mg/L	03.16.2021 17:00		1

Analytical Method: (N) Dissolved Metals by SW6020A Prep Method: 3010A

Analyst: DEP % Moist:

Seq Number: 3153592 Date Prep: 03.14.2021 12:00 Tech: DEP

Subcontractor: SUB: T104704215-20-39 Prep seq: 7723279

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Arsenic	7440-38-2	**0.0104**	0.00400	0.000246	mg/L	03.15.2021 00:39		1
Chromium	7440-47-3	**0.000902**	0.00400	0.000525	mg/L	03.15.2021 00:39	J	1
Iron	7439-89-6	**0.0454**	0.100	0.0227	mg/L	03.15.2021 00:39	J	1
Manganese	7439-96-5	**0.00716**	0.00200	0.000199	mg/L	03.15.2021 00:39		1

Analytical Method: Chromium, Hexavalent by SW 7196A Prep Method:

Analyst: SPC % Moist:

Seq Number: 3153842 Date Prep: Tech: SPC

Prep seq:

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Chromium, Hexavalent	18540-29-9	<0.00273	0.0100	0.00273	mg/L	03.10.2021 18:00	U	1

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Certificate of Analytical Results
691329
ARCADIS, Midland, TX
Eunice Project - N Eunice

Sample Id: **MW018** Matrix: Water Sample Depth:

Lab Sample Id: 691329-004 Date Collected: 03.10.2021 08:38 Date Received: 03.10.2021 17:30

Analytical Method: Chloride by EPA 300 Prep Method: E300P

Analyst: CHE % Moist:

Seq Number: 3153620 Date Prep: 03.12.2021 15:30 Tech: CHE

Prep seq: 7723226

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Chloride	16887-00-6	**251**	5.00	0.210	mg/L	03.12.2021 21:17		10

Analytical Method: TDS by SM2540C Prep Method:

Analyst: DTH % Moist:

Seq Number: 3153922 Date Prep: Tech: DTH

Subcontractor: SUB: T104704221-20-18 Prep seq:

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Total Dissolved Solids	1642222	**1230**	50.0	50.0	mg/L	03.16.2021 17:00		1

Analytical Method: (N) Dissolved Metals by SW6020A Prep Method: 3010A

Analyst: DEP % Moist:

Seq Number: 3153592 Date Prep: 03.14.2021 12:00 Tech: DEP

Subcontractor: SUB: T104704215-20-39 Prep seq: 7723279

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Arsenic	7440-38-2	**0.0105**	0.00400	0.000246	mg/L	03.15.2021 00:42		1
Chromium	7440-47-3	<0.000525	0.00400	0.000525	mg/L	03.15.2021 00:42	U	1
Iron	7439-89-6	**0.0327**	0.100	0.0227	mg/L	03.15.2021 00:42	J	1
Manganese	7439-96-5	**0.00137**	0.00200	0.000199	mg/L	03.15.2021 00:42	J	1

Analytical Method: Chromium, Hexavalent by SW 7196A Prep Method:

Analyst: SPC % Moist:

Seq Number: 3153842 Date Prep: Tech: SPC

Prep seq:

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Chromium, Hexavalent	18540-29-9	<0.00273	0.0100	0.00273	mg/L	03.10.2021 18:00	U	1

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Certificate of Analytical Results
691329
ARCADIS, Midland, TX
Eunice Project - N Eunice

Sample Id: **MW010** Matrix: Water Sample Depth:

Lab Sample Id: 691329-005 Date Collected: 03.10.2021 09:20 Date Received: 03.10.2021 17:30

Analytical Method: Chloride by EPA 300 Prep Method: E300P

Analyst: CHE % Moist:

Seq Number: 3153620 Date Prep: 03.12.2021 15:30 Tech: CHE

Prep seq: 7723226

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Chloride	16887-00-6	**2590**	25.0	1.05	mg/L	03.12.2021 21:22		50

Analytical Method: TDS by SM2540C Prep Method:

Analyst: DTH % Moist:

Seq Number: 3153922 Date Prep: Tech: DTH

Subcontractor: SUB: T104704221-20-18 Prep seq:

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Total Dissolved Solids	1642222	**5430**	250	250	mg/L	03.16.2021 17:00		1

Analytical Method: (N) Dissolved Metals by SW6020A Prep Method: 3010A

Analyst: DEP % Moist:

Seq Number: 3153592 Date Prep: 03.14.2021 12:00 Tech: DEP

Subcontractor: SUB: T104704215-20-39 Prep seq: 7723279

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Arsenic	7440-38-2	**0.00834**	0.00400	0.000246	mg/L	03.15.2021 00:45		1
Chromium	7440-47-3	**0.0158**	0.00400	0.000525	mg/L	03.15.2021 00:45		1
Iron	7439-89-6	**0.0831**	0.100	0.0227	mg/L	03.15.2021 00:45	J	1
Manganese	7439-96-5	**0.00384**	0.00200	0.000199	mg/L	03.15.2021 00:45		1

Analytical Method: Chromium, Hexavalent by SW 7196A Prep Method:

Analyst: SPC % Moist:

Seq Number: 3153842 Date Prep: Tech: SPC

Prep seq:

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Chromium, Hexavalent	18540-29-9	**0.00890**	0.0100	0.00273	mg/L	03.10.2021 18:00	J	1

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Certificate of Analytical Results
691329
ARCADIS, Midland, TX
Eunice Project - N Eunice

Sample Id: **MW040A** Matrix: Water Sample Depth:

Lab Sample Id: 691329-006 Date Collected: 03.10.2021 09:40 Date Received: 03.10.2021 17:30

Analytical Method: Chloride by EPA 300 Prep Method: E300P

Analyst: CHE % Moist:

Seq Number: 3153622 Date Prep: 03.12.2021 15:50 Tech: CHE

Prep seq: 7723227

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Chloride	16887-00-6	**58.4**	2.50	0.105	mg/L	03.12.2021 21:55	X	5

Analytical Method: TDS by SM2540C Prep Method:

Analyst: DTH % Moist:

Seq Number: 3153922 Date Prep: Tech: DTH

Subcontractor: SUB: T104704221-20-18 Prep seq:

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Total Dissolved Solids	1642222	**554**	25.0	25.0	mg/L	03.16.2021 17:00		1

Analytical Method: (N) Dissolved Metals by SW6020A Prep Method: 3010A

Analyst: DEP % Moist:

Seq Number: 3153592 Date Prep: 03.14.2021 12:00 Tech: DEP

Subcontractor: SUB: T104704215-20-39 Prep seq: 7723279

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Arsenic	7440-38-2	**0.0204**	0.00400	0.000246	mg/L	03.15.2021 00:48		1
Chromium	7440-47-3	**0.00245**	0.00400	0.000525	mg/L	03.15.2021 00:48	J	1
Iron	7439-89-6	<0.0227	0.100	0.0227	mg/L	03.15.2021 00:48	U	1
Manganese	7439-96-5	**0.000304**	0.00200	0.000199	mg/L	03.15.2021 00:48	J	1

Analytical Method: Chromium, Hexavalent by SW 7196A Prep Method:

Analyst: SPC % Moist:

Seq Number: 3153842 Date Prep: Tech: SPC

Prep seq:

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Chromium, Hexavalent	18540-29-9	<0.00273	0.0100	0.00273	mg/L	03.10.2021 18:00	U	1

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Certificate of Analytical Results
691329
ARCADIS, Midland, TX
Eunice Project - N Eunice

Sample Id: **MW013** Matrix: Water Sample Depth:

Lab Sample Id: 691329-007 Date Collected: 03.10.2021 10:14 Date Received: 03.10.2021 17:30

Analytical Method: Chloride by EPA 300 Prep Method: E300P

Analyst: CHE % Moist:

Seq Number: 3153622 Date Prep: 03.12.2021 15:50 Tech: CHE

Prep seq: 7723227

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Chloride	16887-00-6	**978**	10.0	0.421	mg/L	03.12.2021 22:12		20

Analytical Method: TDS by SM2540C Prep Method:

Analyst: DTH % Moist:

Seq Number: 3153922 Date Prep: Tech: DTH

Subcontractor: SUB: T104704221-20-18 Prep seq:

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Total Dissolved Solids	1642222	**3480**	100	100	mg/L	03.16.2021 17:00		1

Analytical Method: (N) Dissolved Metals by SW6020A Prep Method: 3010A

Analyst: DEP % Moist:

Seq Number: 3153592 Date Prep: 03.14.2021 12:00 Tech: DEP

Subcontractor: SUB: T104704215-20-39 Prep seq: 7723279

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Arsenic	7440-38-2	**0.00757**	0.00400	0.000246	mg/L	03.15.2021 00:51		1
Chromium	7440-47-3	**2.19**	0.0800	0.0105	mg/L	03.15.2021 14:58	D	20
Iron	7439-89-6	<0.0227	0.100	0.0227	mg/L	03.15.2021 00:51	U	1
Manganese	7439-96-5	**0.000637**	0.00200	0.000199	mg/L	03.15.2021 00:51	J	1

Analytical Method: Chromium, Hexavalent by SW 7196A Prep Method:

Analyst: SPC % Moist:

Seq Number: 3153842 Date Prep: Tech: SPC

Prep seq:

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Chromium, Hexavalent	18540-29-9	**2.12**	0.100	0.0273	mg/L	03.10.2021 18:00		10

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Certificate of Analytical Results
691329
ARCADIS, Midland, TX
Eunice Project - N Eunice

Sample Id: **MW015A** Matrix: Water Sample Depth:

Lab Sample Id: 691329-008 Date Collected: 03.10.2021 10:32 Date Received: 03.10.2021 17:30

Analytical Method: Chloride by EPA 300 Prep Method: E300P

Analyst: CHE % Moist:

Seq Number: 3153622 Date Prep: 03.12.2021 15:50 Tech: CHE

Prep seq: 7723227

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Chloride	16887-00-6	**4840**	25.0	1.05	mg/L	03.12.2021 22:18		50

Analytical Method: TDS by SM2540C Prep Method:

Analyst: DTH % Moist:

Seq Number: 3153922 Date Prep: Tech: DTH

Subcontractor: SUB: T104704221-20-18 Prep seq:

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Total Dissolved Solids	1642222	**9040**	25.0	25.0	mg/L	03.16.2021 17:00		1

Analytical Method: (N) Dissolved Metals by SW6020A Prep Method: 3010A

Analyst: DEP % Moist:

Seq Number: 3153592 Date Prep: 03.14.2021 12:00 Tech: DEP

Subcontractor: SUB: T104704215-20-39 Prep seq: 7723279

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Arsenic	7440-38-2	**0.0105**	0.00400	0.000246	mg/L	03.15.2021 00:54		1
Chromium	7440-47-3	**0.00746**	0.00400	0.000525	mg/L	03.15.2021 00:54		1
Iron	7439-89-6	**0.131**	0.100	0.0227	mg/L	03.15.2021 00:54		1
Manganese	7439-96-5	**0.0160**	0.00200	0.000199	mg/L	03.15.2021 00:54		1

Analytical Method: Chromium, Hexavalent by SW 7196A Prep Method:

Analyst: SPC % Moist:

Seq Number: 3153842 Date Prep: Tech: SPC

Prep seq:

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Chromium, Hexavalent	18540-29-9	<0.00273	0.0100	0.00273	mg/L	03.10.2021 18:00	U	1

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Certificate of Analytical Results
691329
ARCADIS, Midland, TX
Eunice Project - N Eunice

Sample Id: **MW024A** Matrix: Water Sample Depth:

Lab Sample Id: 691329-009 Date Collected: 03.10.2021 10:57 Date Received: 03.10.2021 17:30

Analytical Method: Chloride by EPA 300 Prep Method: E300P

Analyst: CHE % Moist:

Seq Number: 3153622 Date Prep: 03.12.2021 15:50 Tech: CHE

Prep seq: 7723227

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Chloride	16887-00-6	**939**	10.0	0.421	mg/L	03.12.2021 22:23		20

Analytical Method: TDS by SM2540C Prep Method:

Analyst: DTH % Moist:

Seq Number: 3153922 Date Prep: Tech: DTH

Subcontractor: SUB: T104704221-20-18 Prep seq:

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Total Dissolved Solids	1642222	**2720**	100	100	mg/L	03.16.2021 17:00		1

Analytical Method: (N) Dissolved Metals by SW6020A Prep Method: 3010A

Analyst: DEP % Moist:

Seq Number: 3153592 Date Prep: 03.14.2021 12:00 Tech: DEP

Subcontractor: SUB: T104704215-20-39 Prep seq: 7723279

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Arsenic	7440-38-2	**0.0122**	0.00400	0.000246	mg/L	03.15.2021 00:57		1
Chromium	7440-47-3	**0.442**	0.00400	0.000525	mg/L	03.15.2021 00:57		1
Iron	7439-89-6	<0.0227	0.100	0.0227	mg/L	03.15.2021 00:57	U	1
Manganese	7439-96-5	**0.000457**	0.00200	0.000199	mg/L	03.15.2021 00:57	J	1

Analytical Method: Chromium, Hexavalent by SW 7196A Prep Method:

Analyst: SPC % Moist:

Seq Number: 3153842 Date Prep: Tech: SPC

Prep seq:

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Chromium, Hexavalent	18540-29-9	**0.429**	0.0100	0.00273	mg/L	03.10.2021 18:00		1

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Certificate of Analytical Results

691329

ARCADIS, Midland, TX

Eunice Project - N Eunice

Sample Id: **MW062A** Matrix: Water Sample Depth:

Lab Sample Id: 691329-010 Date Collected: 03.10.2021 11:50 Date Received: 03.10.2021 17:30

Analytical Method: Chloride by EPA 300 Prep Method: E300P

Analyst: CHE % Moist:

Seq Number: 3153622 Date Prep: 03.12.2021 15:50 Tech: CHE

Prep seq: 7723227

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Chloride	16887-00-6	**67.1**	2.50	0.105	mg/L	03.12.2021 22:29		5

Analytical Method: TDS by SM2540C Prep Method:

Analyst: DTH % Moist:

Seq Number: 3153922 Date Prep: Tech: DTH

Subcontractor: SUB: T104704221-20-18 Prep seq:

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Total Dissolved Solids	1642222	**525**	25.0	25.0	mg/L	03.16.2021 17:00		1

Analytical Method: (N) Dissolved Metals by SW6020A Prep Method: 3010A

Analyst: DEP % Moist:

Seq Number: 3153592 Date Prep: 03.14.2021 12:00 Tech: DEP

Subcontractor: SUB: T104704215-20-39 Prep seq: 7723279

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Arsenic	7440-38-2	**0.0250**	0.00400	0.000246	mg/L	03.15.2021 01:00		1
Chromium	7440-47-3	**0.00194**	0.00400	0.000525	mg/L	03.15.2021 01:00	J	1
Iron	7439-89-6	<0.0227	0.100	0.0227	mg/L	03.15.2021 01:00	U	1
Manganese	7439-96-5	**0.000383**	0.00200	0.000199	mg/L	03.15.2021 01:00	J	1

Analytical Method: Chromium, Hexavalent by SW 7196A Prep Method:

Analyst: SPC % Moist:

Seq Number: 3153842 Date Prep: Tech: SPC

Prep seq:

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Chromium, Hexavalent	18540-29-9	<0.00273	0.0100	0.00273	mg/L	03.10.2021 18:00	U	1

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Certificate of Analytical Results
691329
ARCADIS, Midland, TX
Eunice Project - N Eunice

Sample Id: **MW063A** Matrix: Water Sample Depth:

Lab Sample Id: 691329-011 Date Collected: 03.10.2021 12:32 Date Received: 03.10.2021 17:30

Analytical Method: Chloride by EPA 300 Prep Method: E300P

Analyst: CHE % Moist:

Seq Number: 3153622 Date Prep: 03.12.2021 15:50 Tech: CHE

Prep seq: 7723227

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Chloride	16887-00-6	**59.0**	2.50	0.105	mg/L	03.12.2021 22:45		5

Analytical Method: TDS by SM2540C Prep Method:

Analyst: DTH % Moist:

Seq Number: 3153922 Date Prep: Tech: DTH

Subcontractor: SUB: T104704221-20-18 Prep seq:

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Total Dissolved Solids	1642222	**507**	25.0	25.0	mg/L	03.16.2021 17:00		1

Analytical Method: (N) Dissolved Metals by SW6020A Prep Method: 3010A

Analyst: DEP % Moist:

Seq Number: 3153592 Date Prep: 03.14.2021 12:00 Tech: DEP

Subcontractor: SUB: T104704215-20-39 Prep seq: 7723279

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Arsenic	7440-38-2	**0.0247**	0.00400	0.000246	mg/L	03.15.2021 01:03		1
Chromium	7440-47-3	**0.00151**	0.00400	0.000525	mg/L	03.15.2021 01:03	J	1
Iron	7439-89-6	<0.0227	0.100	0.0227	mg/L	03.15.2021 01:03	U	1
Manganese	7439-96-5	**0.000516**	0.00200	0.000199	mg/L	03.15.2021 01:03	J	1

Analytical Method: Chromium, Hexavalent by SW 7196A Prep Method:

Analyst: SPC % Moist:

Seq Number: 3153844 Date Prep: Tech: SPC

Prep seq:

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Chromium, Hexavalent	18540-29-9	<0.00273	0.0100	0.00273	mg/L	03.10.2021 18:21	U	1

Released to Imaging: 12/12/2022 10:42:57 AM

Received by OCD: 3/21/2022 2:39:57 PM
Final 1.000

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: 691534

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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:	303-471-2477	Email:	madisyn.frandsen@arcadis.com

Work Order Comments

Program: UST/PST ☐ PRP ☐ Brownfields ☐ RRC ☐ Superfund ☐
State of Project:
Reporting:Level II ☐ Level III ☐ PST/UST ☐ TRRP ☐ Level IV ☐
Deliverables: EDD ☐ ADaPT ☐ Other:

Project Name:	Eunice Project-N. Eunice	Turn Around	
Project Number:	30049577	Routine	✓
P.O. Number:		Rush:	
Sampler's Name:	Carlos Granada	Due Date:	

SAMPLE RECEIPT			
Temp Blank:	Yes (No)	Wet Ice:	(Yes) No
Temperature (°C):	2.5/3.0	Thermometer ID	128
Received Intact:	(Yes) No		
Cooler Custody Seals:	Yes No (N/A)	Correction Factor:	0.5
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): Aresenic, Maganese, Iron & Chromium	TDS (SM2540C)	Chlorides (EPA 300.0)
MW023	W	3-11-21	857		3			X	X	X	X
MW012M	W	3-11-21	936		3			X	X	X	X
MW088M	W	3-11-21	1000		3			X	X	X	X
MW047	W	3-11-21	1151		3			X	X	X	X
MW007A	W	3-11-21	1258		3			X	X	X	X
MW097P	W	3-11-21	1326		3			X	X	X	X
MW087A	W	3-11-21	1402		3			X	X	X	X
Dup 6	W	3-11-21	—		3			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 Carlos Granada		3/11/21 17:12	2		
3			4		
5			6		

Revised Date 051418 Rev. 2018.1

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Certificate of Analytical Results
691534
ARCADIS, Midland, TX
Eunice Project - N Eunice

Sample Id: **MW023** Matrix: Water Sample Depth:

Lab Sample Id: 691534-001 Date Collected: 03.11.2021 08:57 Date Received: 03.11.2021 17:12

Analytical Method: Chloride by EPA 300 Prep Method: E300P

Analyst: CHE % Moist:

Seq Number: 3153622 Date Prep: 03.12.2021 15:50 Tech: CHE

Prep seq: 7723227

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Chloride	16887-00-6	**832**	10.0	0.421	mg/L	03.12.2021 22:51		20

Analytical Method: TDS by SM2540C Prep Method:

Analyst: DTH % Moist:

Seq Number: 3153992 Date Prep: Tech: DTH

Subcontractor: SUB: T104704221-20-18 Prep seq:

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Total Dissolved Solids	1642222	**874**	25.0	25.0	mg/L	03.16.2021 17:00		1

Analytical Method: (N) Dissolved Metals by SW6020A Prep Method: 3010A

Analyst: DEP % Moist:

Seq Number: 3154012 Date Prep: 03.17.2021 09:40 Tech: DEP

Subcontractor: SUB: T104704215-20-39 Prep seq: 7723525

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Arsenic	7440-38-2	**0.00905**	0.00400	0.000246	mg/L	03.17.2021 15:40		1
Chromium	7440-47-3	**3.23**	0.0800	0.0105	mg/L	03.18.2021 13:20	~~DX~~	20
Iron	7439-89-6	<0.0227	0.100	0.0227	mg/L	03.17.2021 15:40	U	1
Manganese	7439-96-5	**0.000205**	0.00200	0.000199	mg/L	03.17.2021 15:40	J	1

Analytical Method: Chromium, Hexavalent by SW 7196A Prep Method:

Analyst: SPC % Moist:

Seq Number: 3153854 Date Prep: Tech: SPC

Prep seq:

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Chromium, Hexavalent	18540-29-9	**3.65**	0.100	0.0273	mg/L	03.11.2021 18:12		10

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Certificate of Analytical Results
691534
ARCADIS, Midland, TX
Eunice Project - N Eunice

Sample Id: **MW012M** Matrix: Water Sample Depth:

Lab Sample Id: 691534-002 Date Collected: 03.11.2021 09:36 Date Received: 03.11.2021 17:12

Analytical Method: Chloride by EPA 300 Prep Method: E300P

Analyst: CHE % Moist:

Seq Number: 3153622 Date Prep: 03.12.2021 15:50 Tech: CHE

Prep seq: 7723227

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Chloride	16887-00-6	**979**	25.0	1.05	mg/L	03.12.2021 22:56		50

Analytical Method: TDS by SM2540C Prep Method:

Analyst: DTH % Moist:

Seq Number: 3153992 Date Prep: Tech: DTH

Subcontractor: SUB: T104704221-20-18 Prep seq:

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Total Dissolved Solids	1642222	**866**	25.0	25.0	mg/L	03.16.2021 17:00		1

Analytical Method: (N) Dissolved Metals by SW6020A Prep Method: 3010A

Analyst: DEP % Moist:

Seq Number: 3154012 Date Prep: 03.17.2021 09:40 Tech: DEP

Subcontractor: SUB: T104704215-20-39 Prep seq: 7723525

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Arsenic	7440-38-2	**0.0297**	0.00400	0.000246	mg/L	03.17.2021 16:00		1
Chromium	7440-47-3	**0.108**	0.00400	0.000525	mg/L	03.17.2021 16:00		1
Iron	7439-89-6	**18.2**	0.100	0.0227	mg/L	03.17.2021 16:00		1
Manganese	7439-96-5	**1.68**	0.0400	0.00397	mg/L	03.18.2021 13:28	D	20

Analytical Method: Chromium, Hexavalent by SW 7196A Prep Method:

Analyst: SPC % Moist:

Seq Number: 3153854 Date Prep: Tech: SPC

Prep seq:

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Chromium, Hexavalent	18540-29-9	<0.0273	0.100	0.0273	mg/L	03.11.2021 18:12	U	10

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Certificate of Analytical Results

691534

ARCADIS, Midland, TX

Eunice Project - N Eunice

Sample Id: **MW088M** Matrix: Water Sample Depth:

Lab Sample Id: 691534-003 Date Collected: 03.11.2021 10:00 Date Received: 03.11.2021 17:12

Analytical Method: Chloride by EPA 300 Prep Method: E300P

Analyst: CHE % Moist:

Seq Number: 3153622 Date Prep: 03.12.2021 15:50 Tech: CHE

Prep seq: 7723227

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Chloride	16887-00-6	**963**	25.0	1.05	mg/L	03.12.2021 23:02		50

Analytical Method: TDS by SM2540C Prep Method:

Analyst: DTH % Moist:

Seq Number: 3154062 Date Prep: Tech: DTH

Subcontractor: SUB: T104704221-20-18 Prep seq:

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Total Dissolved Solids	1642222	**822**	25.0	25.0	mg/L	03.17.2021 15:00		1

Analytical Method: (N) Dissolved Metals by SW6020A Prep Method: 3010A

Analyst: DEP % Moist:

Seq Number: 3154012 Date Prep: 03.17.2021 09:40 Tech: DEP

Subcontractor: SUB: T104704215-20-39 Prep seq: 7723525

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Arsenic	7440-38-2	**0.0218**	0.00400	0.000246	mg/L	03.17.2021 16:02		1
Chromium	7440-47-3	**0.0177**	0.00400	0.000525	mg/L	03.17.2021 16:02		1
Iron	7439-89-6	**12.0**	0.100	0.0227	mg/L	03.17.2021 16:02		1
Manganese	7439-96-5	**0.183**	0.00200	0.000199	mg/L	03.17.2021 16:02		1

Analytical Method: Chromium, Hexavalent by SW 7196A Prep Method:

Analyst: SPC % Moist:

Seq Number: 3153854 Date Prep: Tech: SPC

Prep seq:

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Chromium, Hexavalent	18540-29-9	<0.0273	0.100	0.0273	mg/L	03.11.2021 18:12	U	10

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Certificate of Analytical Results

691534

ARCADIS, Midland, TX

Eunice Project - N Eunice

Sample Id: **MW047** Matrix: Water Sample Depth:

Lab Sample Id: 691534-004 Date Collected: 03.11.2021 11:51 Date Received: 03.11.2021 17:12

Analytical Method: Chloride by EPA 300 Prep Method: E300P

Analyst: CHE % Moist:

Seq Number: 3153622 Date Prep: 03.12.2021 15:50 Tech: CHE

Prep seq: 7723227

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Chloride	16887-00-6	**266**	5.00	0.210	mg/L	03.12.2021 23:07		10

Analytical Method: TDS by SM2540C Prep Method:

Analyst: DTH % Moist:

Seq Number: 3154062 Date Prep: Tech: DTH

Subcontractor: SUB: T104704221-20-18 Prep seq:

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Total Dissolved Solids	1642222	**1030**	25.0	25.0	mg/L	03.17.2021 15:00		1

Analytical Method: (N) Dissolved Metals by SW6020A Prep Method: 3010A

Analyst: DEP % Moist:

Seq Number: 3154012 Date Prep: 03.17.2021 09:40 Tech: DEP

Subcontractor: SUB: T104704215-20-39 Prep seq: 7723525

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Arsenic	7440-38-2	**0.0100**	0.00400	0.000246	mg/L	03.17.2021 16:05		1
Chromium	7440-47-3	**0.0800**	0.00400	0.000525	mg/L	03.17.2021 16:05		1
Iron	7439-89-6	<0.0227	0.100	0.0227	mg/L	03.17.2021 16:05	U	1
Manganese	7439-96-5	**0.000253**	0.00200	0.000199	mg/L	03.17.2021 16:05	J	1

Analytical Method: Chromium, Hexavalent by SW 7196A Prep Method:

Analyst: SPC % Moist:

Seq Number: 3153854 Date Prep: Tech: SPC

Prep seq:

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Chromium, Hexavalent	18540-29-9	**0.0781**	0.0100	0.00273	mg/L	03.11.2021 18:12		1

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Certificate of Analytical Results
691534
ARCADIS, Midland, TX
Eunice Project - N Eunice

Sample Id: **MW007A** Matrix: Water Sample Depth:

Lab Sample Id: 691534-005 Date Collected: 03.11.2021 12:58 Date Received: 03.11.2021 17:12

Analytical Method: Chloride by EPA 300 Prep Method: E300P

Analyst: CHE % Moist:

Seq Number: 3153622 Date Prep: 03.12.2021 15:50 Tech: CHE

Prep seq: 7723227

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Chloride	16887-00-6	**862**	10.0	0.421	mg/L	03.12.2021 23:30		20

Analytical Method: TDS by SM2540C Prep Method:

Analyst: DTH % Moist:

Seq Number: 3154062 Date Prep: Tech: DTH

Subcontractor: SUB: T104704221-20-18 Prep seq:

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Total Dissolved Solids	1642222	**798**	25.0	25.0	mg/L	03.17.2021 15:00		1

Analytical Method: (N) Dissolved Metals by SW6020A Prep Method: 3010A

Analyst: DEP % Moist:

Seq Number: 3154012 Date Prep: 03.17.2021 09:40 Tech: DEP

Subcontractor: SUB: T104704215-20-39 Prep seq: 7723525

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Arsenic	7440-38-2	**0.0116**	0.00400	0.000246	mg/L	03.17.2021 16:08		1
Chromium	7440-47-3	**0.773**	0.00400	0.000525	mg/L	03.17.2021 16:08		1
Iron	7439-89-6	<0.0227	0.100	0.0227	mg/L	03.17.2021 16:08	U	1
Manganese	7439-96-5	**0.00232**	0.00200	0.000199	mg/L	03.17.2021 16:08		1

Analytical Method: Chromium, Hexavalent by SW 7196A Prep Method:

Analyst: SPC % Moist:

Seq Number: 3153854 Date Prep: Tech: SPC

Prep seq:

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Chromium, Hexavalent	18540-29-9	**0.810**	0.0500	0.0136	mg/L	03.11.2021 18:12		5

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Certificate of Analytical Results

691534

ARCADIS, Midland, TX

Eunice Project - N Eunice

Sample Id: **MW097P** Matrix: Water Sample Depth:

Lab Sample Id: 691534-006 Date Collected: 03.11.2021 13:26 Date Received: 03.11.2021 17:12

Analytical Method: Chloride by EPA 300 Prep Method: E300P

Analyst: CHE % Moist:

Seq Number: 3153622 Date Prep: 03.12.2021 15:50 Tech: CHE

Prep seq: 7723227

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Chloride	16887-00-6	**959**	25.0	1.05	mg/L	03.12.2021 23:35		50

Analytical Method: TDS by SM2540C Prep Method:

Analyst: DTH % Moist:

Seq Number: 3154062 Date Prep: Tech: DTH

Subcontractor: SUB: T104704221-20-18 Prep seq:

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Total Dissolved Solids	1642222	**913**	25.0	25.0	mg/L	03.17.2021 15:00		1

Analytical Method: (N) Dissolved Metals by SW6020A Prep Method: 3010A

Analyst: DEP % Moist:

Seq Number: 3154012 Date Prep: 03.17.2021 09:40 Tech: DEP

Subcontractor: SUB: T104704215-20-39 Prep seq: 7723525

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Arsenic	7440-38-2	**0.0111**	0.00400	0.000246	mg/L	03.17.2021 16:11		1
Chromium	7440-47-3	**0.446**	0.00400	0.000525	mg/L	03.17.2021 16:11		1
Iron	7439-89-6	<0.0227	0.100	0.0227	mg/L	03.17.2021 16:11	U	1
Manganese	7439-96-5	**0.0559**	0.00200	0.000199	mg/L	03.17.2021 16:11		1

Analytical Method: Chromium, Hexavalent by SW 7196A Prep Method:

Analyst: SPC % Moist:

Seq Number: 3153854 Date Prep: Tech: SPC

Prep seq:

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Chromium, Hexavalent	18540-29-9	**0.467**	0.0100	0.00273	mg/L	03.11.2021 18:12		1

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Certificate of Analytical Results
691534
ARCADIS, Midland, TX
Eunice Project - N Eunice

Sample Id: **MW087A** Matrix: Water Sample Depth:

Lab Sample Id: 691534-007 Date Collected: 03.11.2021 14:02 Date Received: 03.11.2021 17:12

Analytical Method: Chloride by EPA 300 Prep Method: E300P

Analyst: CHE % Moist:

Seq Number: 3153622 Date Prep: 03.12.2021 15:50 Tech: CHE

Prep seq: 7723227

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Chloride	16887-00-6	**1180**	25.0	1.05	mg/L	03.12.2021 23:52		50

Analytical Method: TDS by SM2540C Prep Method:

Analyst: DTH % Moist:

Seq Number: 3154062 Date Prep: Tech: DTH

Subcontractor: SUB: T104704221-20-18 Prep seq:

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Total Dissolved Solids	1642222	**895**	25.0	25.0	mg/L	03.17.2021 15:00		1

Analytical Method: (N) Dissolved Metals by SW6020A Prep Method: 3010A

Analyst: DEP % Moist:

Seq Number: 3154012 Date Prep: 03.17.2021 09:40 Tech: DEP

Subcontractor: SUB: T104704215-20-39 Prep seq: 7723525

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Arsenic	7440-38-2	**0.00302**	0.00400	0.000246	mg/L	03.17.2021 16:14	J	1
Chromium	7440-47-3	**0.0723**	0.00400	0.000525	mg/L	03.17.2021 16:14		1
Iron	7439-89-6	**6.97**	0.100	0.0227	mg/L	03.17.2021 16:14		1
Manganese	7439-96-5	**0.205**	0.00200	0.000199	mg/L	03.17.2021 16:14		1

Analytical Method: Chromium, Hexavalent by SW 7196A Prep Method:

Analyst: SPC % Moist:

Seq Number: 3153854 Date Prep: Tech: SPC

Prep seq:

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Chromium, Hexavalent	18540-29-9	<0.00273	0.0100	0.00273	mg/L	03.11.2021 18:12	U	1

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Certificate of Analytical Results
691534
ARCADIS, Midland, TX
Eunice Project - N Eunice

Sample Id: **DUP 6** Matrix: Water Sample Depth:

Lab Sample Id: 691534-008 Date Collected: 03.11.2021 00:00 Date Received: 03.11.2021 17:12

Analytical Method: Chloride by EPA 300 Prep Method: E300P

Analyst: CHE % Moist:

Seq Number: 3153622 Date Prep: 03.12.2021 15:50 Tech: CHE

Prep seq: 7723227

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Chloride	16887-00-6	**260**	5.00	0.210	mg/L	03.12.2021 23:57		10

Analytical Method: TDS by SM2540C Prep Method:

Analyst: DTH % Moist:

Seq Number: 3154062 Date Prep: Tech: DTH

Subcontractor: SUB: T104704221-20-18 Prep seq:

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Total Dissolved Solids	1642222	**1050**	25.0	25.0	mg/L	03.17.2021 15:00		1

Analytical Method: (N) Dissolved Metals by SW6020A Prep Method: 3010A

Analyst: DEP % Moist:

Seq Number: 3154012 Date Prep: 03.17.2021 09:40 Tech: DEP

Subcontractor: SUB: T104704215-20-39 Prep seq: 7723525

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Arsenic	7440-38-2	**0.00944**	0.00400	0.000246	mg/L	03.17.2021 16:17		1
Chromium	7440-47-3	**0.0732**	0.00400	0.000525	mg/L	03.17.2021 16:17		1
Iron	7439-89-6	<0.0227	0.100	0.0227	mg/L	03.17.2021 16:17	U	1
Manganese	7439-96-5	<0.000199	0.00200	0.000199	mg/L	03.17.2021 16:17	U	1

Analytical Method: Chromium, Hexavalent by SW 7196A Prep Method:

Analyst: SPC % Moist:

Seq Number: 3153854 Date Prep: Tech: SPC

Prep seq:

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Chromium, Hexavalent	18540-29-9	**0.0769**	0.0100	0.00273	mg/L	03.11.2021 18:12		1

Released to Imaging: 12/12/2022 10:42:57 AM

Received by OCD: 3/21/2022 2:39:57 PM
Final 1.000

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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: 691535

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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:	303-471-2477	Email:	madisyn.frandsen@arcadis.com

Work Order Comments

Program: UST/PST ☐ PRP ☐ Brownfields ☐ RRC ☐ Superfund ☐
State of Project:
Reporting:Level II ☐ Level III ☐ PST/UST ☐ TRRP ☐ Level IV ☐
Deliverables: EDD ☐ ADaPT ☐ Other:

Project Name:	Eunice Project-N. Eunice	Turn Around	
Project Number:	30049577	Routine	✓
P.O. Number:		Rush:	
Sampler's Name:	Jeny S. Longwell	Due Date:	

SAMPLE RECEIPT			
Temperature (°C):	2.5/3.0	Temp Blank:	Yes (No)
Received Intact:	(Yes) No	Wet Ice:	(Yes) No
Cooler Custody Seals:	Yes No (N/A)	Thermometer ID	R8
Sample Custody Seals:	Yes No (N/A)	Correction Factor:	0.5
		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): Aresenic, Maganese, Iron & Chromium	TDS (SM2540C)	Chlorides (EPA 300.0)
MW095	W	03/11/21	0923		3			X	X	X	X
MW070	W	03/11/21	0947		3			X	X	X	X
MW030	W	03/11/21	1005		3			X	X	X	X
MW026	W	03/11/21	1039		3			X	X	X	X
MW027	W	03/11/21	1059		3			X	X	X	X
MW068	W	03/11/21	1121		3			X	X	X	X
MW084	W	03/11/21	1158		3			X	X	X	X
MW061	W	03/11/21	1248		3			X	X	X	X
MW008M	W	03/11/21	1338		3			X	X	X	X
DUP-7	W	03/11/21	—		3			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
Jeny S. Longwell	Carlos Granjeda	03/11/21 1517	2 Carlos Granjeda		3/11/21 17:12
3			4		
5			6		

Revised Date 051418 Rev. 2018.1

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Certificate of Analytical Results

691535

ARCADIS, Midland, TX

Eunice Project - N Eunice

Sample Id: **MW094** Matrix: Water Sample Depth:

Lab Sample Id: 691535-001 Date Collected: 03.11.2021 09:23 Date Received: 03.11.2021 17:12

Analytical Method: Chloride by EPA 300 Prep Method: E300P

Analyst: CHE % Moist:

Seq Number: 3153622 Date Prep: 03.12.2021 15:50 Tech: CHE

Prep seq: 7723227

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Chloride	16887-00-6	**72.1**	2.50	0.105	mg/L	03.12.2021 23:13	~~X~~	5

Analytical Method: TDS by SM2540C Prep Method:

Analyst: DTH % Moist:

Seq Number: 3154062 Date Prep: Tech: DTH

Subcontractor: SUB: T104704221-20-18 Prep seq:

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Total Dissolved Solids	1642222	**542**	25.0	25.0	mg/L	03.17.2021 15:00		1

Analytical Method: (N) Dissolved Metals by SW6020A Prep Method: 3010A

Analyst: DEP % Moist:

Seq Number: 3154012 Date Prep: 03.17.2021 09:40 Tech: DEP

Subcontractor: SUB: T104704215-20-39 Prep seq: 7723525

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Arsenic	7440-38-2	**0.00618**	0.00400	0.000246	mg/L	03.17.2021 16:20		1
Chromium	7440-47-3	<0.000525	0.00400	0.000525	mg/L	03.17.2021 16:20	U	1
Iron	7439-89-6	**0.188**	0.100	0.0227	mg/L	03.17.2021 16:20		1
Manganese	7439-96-5	**0.153**	0.00200	0.000199	mg/L	03.17.2021 16:20		1

Analytical Method: Chromium, Hexavalent by SW 7196A Prep Method:

Analyst: SPC % Moist:

Seq Number: 3153855 Date Prep: Tech: SPC

Prep seq:

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Chromium, Hexavalent	18540-29-9	<0.00273	0.0100	0.00273	mg/L	03.11.2021 19:23	U	1

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Certificate of Analytical Results
691535
ARCADIS, Midland, TX
Eunice Project - N Eunice

Sample Id: **MW020** Matrix: Water Sample Depth:

Lab Sample Id: 691535-002 Date Collected: 03.11.2021 09:42 Date Received: 03.11.2021 17:12

Analytical Method: Chloride by EPA 300 Prep Method: E300P

Analyst: CHE % Moist:

Seq Number: 3153622 Date Prep: 03.12.2021 15:50 Tech: CHE

Prep seq: 7723227

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Chloride	16887-00-6	**405**	5.00	0.210	mg/L	03.13.2021 00:03		10

Analytical Method: TDS by SM2540C Prep Method:

Analyst: DTH % Moist:

Seq Number: 3154062 Date Prep: Tech: DTH

Subcontractor: SUB: T104704221-20-18 Prep seq:

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Total Dissolved Solids	1642222	**632**	25.0	25.0	mg/L	03.17.2021 15:00		1

Analytical Method: (N) Dissolved Metals by SW6020A Prep Method: 3010A

Analyst: DEP % Moist:

Seq Number: 3154012 Date Prep: 03.17.2021 09:40 Tech: DEP

Subcontractor: SUB: T104704215-20-39 Prep seq: 7723525

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Arsenic	7440-38-2	**0.0146**	0.00400	0.000246	mg/L	03.17.2021 16:23		1
Chromium	7440-47-3	<0.000525	0.00400	0.000525	mg/L	03.17.2021 16:23	U	1
Iron	7439-89-6	<0.0227	0.100	0.0227	mg/L	03.17.2021 16:23	U	1
Manganese	7439-96-5	<0.000199	0.00200	0.000199	mg/L	03.17.2021 16:23	U	1

Analytical Method: Chromium, Hexavalent by SW 7196A Prep Method:

Analyst: SPC % Moist:

Seq Number: 3153855 Date Prep: Tech: SPC

Prep seq:

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Chromium, Hexavalent	18540-29-9	<0.00273	0.0100	0.00273	mg/L	03.11.2021 19:23	U	1

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Certificate of Analytical Results
691535
ARCADIS, Midland, TX
Eunice Project - N Eunice

Sample Id: **MW030** Matrix: Water Sample Depth:

Lab Sample Id: 691535-003 Date Collected: 03.11.2021 10:09 Date Received: 03.11.2021 17:12

Analytical Method: Chloride by EPA 300 Prep Method: E300P

Analyst: CHE % Moist:

Seq Number: 3153622 Date Prep: 03.12.2021 15:50 Tech: CHE

Prep seq: 7723227

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Chloride	16887-00-6	**213**	2.50	0.105	mg/L	03.13.2021 00:08		5

Analytical Method: TDS by SM2540C Prep Method:

Analyst: DTH % Moist:

Seq Number: 3154062 Date Prep: Tech: DTH

Subcontractor: SUB: T104704221-20-18 Prep seq:

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Total Dissolved Solids	1642222	**822**	25.0	25.0	mg/L	03.17.2021 15:00		1

Analytical Method: (N) Dissolved Metals by SW6020A Prep Method: 3010A

Analyst: DEP % Moist:

Seq Number: 3154012 Date Prep: 03.17.2021 09:40 Tech: DEP

Subcontractor: SUB: T104704215-20-39 Prep seq: 7723525

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Arsenic	7440-38-2	**0.0201**	0.00400	0.000246	mg/L	03.17.2021 16:26		1
Chromium	7440-47-3	**0.00147**	0.00400	0.000525	mg/L	03.17.2021 16:26	J	1
Iron	7439-89-6	<0.0227	0.100	0.0227	mg/L	03.17.2021 16:26	U	1
Manganese	7439-96-5	<0.000199	0.00200	0.000199	mg/L	03.17.2021 16:26	U	1

Analytical Method: Chromium, Hexavalent by SW 7196A Prep Method:

Analyst: SPC % Moist:

Seq Number: 3153855 Date Prep: Tech: SPC

Prep seq:

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Chromium, Hexavalent	18540-29-9	<0.00273	0.0100	0.00273	mg/L	03.11.2021 19:23	U	1

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Certificate of Analytical Results
691535
ARCADIS, Midland, TX
Eunice Project - N Eunice

Sample Id: **MW026** Matrix: Water Sample Depth:

Lab Sample Id: 691535-004 Date Collected: 03.11.2021 10:39 Date Received: 03.11.2021 17:12

Analytical Method: Chloride by EPA 300 Prep Method: E300P

Analyst: CHE % Moist:

Seq Number: 3153622 Date Prep: 03.12.2021 15:50 Tech: CHE

Prep seq: 7723227

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Chloride	16887-00-6	**89.0**	2.50	0.105	mg/L	03.13.2021 00:14		5

Analytical Method: TDS by SM2540C Prep Method:

Analyst: DTH % Moist:

Seq Number: 3154062 Date Prep: Tech: DTH

Subcontractor: SUB: T104704221-20-18 Prep seq:

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Total Dissolved Solids	1642222	**733**	25.0	25.0	mg/L	03.17.2021 15:00		1

Analytical Method: (N) Dissolved Metals by SW6020A Prep Method: 3010A

Analyst: DEP % Moist:

Seq Number: 3154012 Date Prep: 03.17.2021 09:40 Tech: DEP

Subcontractor: SUB: T104704215-20-39 Prep seq: 7723525

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Arsenic	7440-38-2	**0.00933**	0.00400	0.000246	mg/L	03.17.2021 16:34		1
Chromium	7440-47-3	<0.000525	0.00400	0.000525	mg/L	03.17.2021 16:34	U	1
Iron	7439-89-6	<0.0227	0.100	0.0227	mg/L	03.17.2021 16:34	U	1
Manganese	7439-96-5	<0.000199	0.00200	0.000199	mg/L	03.17.2021 16:34	U	1

Analytical Method: Chromium, Hexavalent by SW 7196A Prep Method:

Analyst: SPC % Moist:

Seq Number: 3153855 Date Prep: Tech: SPC

Prep seq:

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Chromium, Hexavalent	18540-29-9	<0.00273	0.0100	0.00273	mg/L	03.11.2021 19:23	U	1

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Certificate of Analytical Results
691535
ARCADIS, Midland, TX
Eunice Project - N Eunice

Sample Id: **MW022** Matrix: Water Sample Depth:

Lab Sample Id: 691535-005 Date Collected: 03.11.2021 10:59 Date Received: 03.11.2021 17:12

Analytical Method: Chloride by EPA 300 Prep Method: E300P

Analyst: CHE % Moist:

Seq Number: 3153622 Date Prep: 03.12.2021 15:50 Tech: CHE

Prep seq: 7723227

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Chloride	16887-00-6	**360**	5.00	0.210	mg/L	03.13.2021 00:19		10

Analytical Method: TDS by SM2540C Prep Method:

Analyst: DTH % Moist:

Seq Number: 3154062 Date Prep: Tech: DTH

Subcontractor: SUB: T104704221-20-18 Prep seq:

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Total Dissolved Solids	1642222	**805**	25.0	25.0	mg/L	03.17.2021 15:00		1

Analytical Method: (N) Dissolved Metals by SW6020A Prep Method: 3010A

Analyst: DEP % Moist:

Seq Number: 3154012 Date Prep: 03.17.2021 09:40 Tech: DEP

Subcontractor: SUB: T104704215-20-39 Prep seq: 7723525

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Arsenic	7440-38-2	**0.00655**	0.00400	0.000246	mg/L	03.17.2021 16:37		1
Chromium	7440-47-3	**0.000702**	0.00400	0.000525	mg/L	03.17.2021 16:37	J	1
Iron	7439-89-6	<0.0227	0.100	0.0227	mg/L	03.17.2021 16:37	U	1
Manganese	7439-96-5	**0.00164**	0.00200	0.000199	mg/L	03.17.2021 16:37	J	1

Analytical Method: Chromium, Hexavalent by SW 7196A Prep Method:

Analyst: SPC % Moist:

Seq Number: 3153855 Date Prep: Tech: SPC

Prep seq:

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Chromium, Hexavalent	18540-29-9	<0.00273	0.0100	0.00273	mg/L	03.11.2021 19:23	U	1

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Certificate of Analytical Results
691535
ARCADIS, Midland, TX
Eunice Project - N Eunice

Sample Id: **MW068** Matrix: Water Sample Depth:

Lab Sample Id: 691535-006 Date Collected: 03.11.2021 11:21 Date Received: 03.11.2021 17:12

Analytical Method: Chloride by EPA 300 Prep Method: E300P

Analyst: CHE % Moist:

Seq Number: 3153622 Date Prep: 03.12.2021 15:50 Tech: CHE

Prep seq: 7723227

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Chloride	16887-00-6	**6350**	25.0	1.05	mg/L	03.13.2021 00:25		50

Analytical Method: TDS by SM2540C Prep Method:

Analyst: DTH % Moist:

Seq Number: 3154062 Date Prep: Tech: DTH

Subcontractor: SUB: T104704221-20-18 Prep seq:

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Total Dissolved Solids	1642222	**934**	25.0	25.0	mg/L	03.17.2021 15:00		1

Analytical Method: (N) Dissolved Metals by SW6020A Prep Method: 3010A

Analyst: DEP % Moist:

Seq Number: 3154012 Date Prep: 03.17.2021 09:40 Tech: DEP

Subcontractor: SUB: T104704215-20-39 Prep seq: 7723525

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Arsenic	7440-38-2	**0.0180**	0.00400	0.000246	mg/L	03.17.2021 16:40		1
Chromium	7440-47-3	<0.00262	0.0200	0.00262	mg/L	03.17.2021 16:58	U~~D~~	5
Iron	7439-89-6	**0.144**	0.500	0.114	mg/L	03.17.2021 16:58	J~~D~~	5
Manganese	7439-96-5	**2.48**	0.0100	0.000993	mg/L	03.17.2021 16:58	~~D~~	5

Analytical Method: Chromium, Hexavalent by SW 7196A Prep Method:

Analyst: SPC % Moist:

Seq Number: 3153855 Date Prep: Tech: SPC

Prep seq:

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Chromium, Hexavalent	18540-29-9	<0.00273	0.0100	0.00273	mg/L	03.11.2021 19:23	U	1

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Certificate of Analytical Results
691535
ARCADIS, Midland, TX
Eunice Project - N Eunice

Sample Id: **MW094** Matrix: Water Sample Depth:

Lab Sample Id: 691535-007 Date Collected: 03.11.2021 11:58 Date Received: 03.11.2021 17:12

Analytical Method: Chloride by EPA 300 Prep Method: E300P

Analyst: CHE % Moist:

Seq Number: 3154284 Date Prep: 03.18.2021 10:00 Tech: CHE

Prep seq: 7723590

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Chloride	16887-00-6	**854**	10.0	0.421	mg/L	03.18.2021 18:17		20

Analytical Method: TDS by SM2540C Prep Method:

Analyst: DTH % Moist:

Seq Number: 3154062 Date Prep: Tech: DTH

Subcontractor: SUB: T104704221-20-18 Prep seq:

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Total Dissolved Solids	1642222	**1270**	25.0	25.0	mg/L	03.17.2021 15:00		1

Analytical Method: (N) Dissolved Metals by SW6020A Prep Method: 3010A

Analyst: DEP % Moist:

Seq Number: 3154012 Date Prep: 03.17.2021 09:40 Tech: DEP

Subcontractor: SUB: T104704215-20-39 Prep seq: 7723525

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Arsenic	7440-38-2	**0.0109**	0.00400	0.000246	mg/L	03.17.2021 16:43		1
Chromium	7440-47-3	**0.535**	0.00400	0.000525	mg/L	03.17.2021 16:43		1
Iron	7439-89-6	<0.0227	0.100	0.0227	mg/L	03.17.2021 16:43	U	1
Manganese	7439-96-5	**0.0317**	0.00200	0.000199	mg/L	03.17.2021 16:43		1

Analytical Method: Chromium, Hexavalent by SW 7196A Prep Method:

Analyst: SPC % Moist:

Seq Number: 3153855 Date Prep: Tech: SPC

Prep seq:

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Chromium, Hexavalent	18540-29-9	**0.855**	0.100	0.0273	mg/L	03.11.2021 19:23		10

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Certificate of Analytical Results
691535
ARCADIS, Midland, TX
Eunice Project - N Eunice

Sample Id: **MW061** Matrix: Water Sample Depth:

Lab Sample Id: 691535-008 Date Collected: 03.11.2021 11:48 Date Received: 03.11.2021 17:12

Analytical Method: Chloride by EPA 300 Prep Method: E300P

Analyst: CHE % Moist:

Seq Number: 3154284 Date Prep: 03.18.2021 10:00 Tech: CHE

Prep seq: 7723590

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Chloride	16887-00-6	**1170**	25.0	1.05	mg/L	03.18.2021 18:34		50

Analytical Method: TDS by SM2540C Prep Method:

Analyst: DTH % Moist:

Seq Number: 3154062 Date Prep: Tech: DTH

Subcontractor: SUB: T104704221-20-18 Prep seq:

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Total Dissolved Solids	1642222	**1160**	25.0	25.0	mg/L	03.17.2021 15:00		1

Analytical Method: (N) Dissolved Metals by SW6020A Prep Method: 3010A

Analyst: DEP % Moist:

Seq Number: 3154012 Date Prep: 03.17.2021 09:40 Tech: DEP

Subcontractor: SUB: T104704215-20-39 Prep seq: 7723525

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Arsenic	7440-38-2	**0.0115**	0.00400	0.000246	mg/L	03.17.2021 16:46		1
Chromium	7440-47-3	**1.06**	0.00400	0.000525	mg/L	03.17.2021 16:46		1
Iron	7439-89-6	<0.0227	0.100	0.0227	mg/L	03.17.2021 16:46	U	1
Manganese	7439-96-5	**0.0384**	0.00200	0.000199	mg/L	03.17.2021 16:46		1

Analytical Method: Chromium, Hexavalent by SW 7196A Prep Method:

Analyst: SPC % Moist:

Seq Number: 3153855 Date Prep: Tech: SPC

Prep seq:

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Chromium, Hexavalent	18540-29-9	**1.07**	0.200	0.0545	mg/L	03.11.2021 19:23		20

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Certificate of Analytical Results
691535
ARCADIS, Midland, TX
Eunice Project - N Eunice

Sample Id: **MW008M** Matrix: Water Sample Depth:

Lab Sample Id: 691535-009 Date Collected: 03.11.2021 13:38 Date Received: 03.11.2021 17:12

Analytical Method: Chloride by EPA 300 Prep Method: E300P

Analyst: CHE % Moist:

Seq Number: 3154284 Date Prep: 03.18.2021 10:00 Tech: CHE

Prep seq: 7723590

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Chloride	16887-00-6	**1640**	25.0	1.05	mg/L	03.18.2021 18:39		50

Analytical Method: TDS by SM2540C Prep Method:

Analyst: DTH % Moist:

Seq Number: 3154062 Date Prep: Tech: DTH

Subcontractor: SUB: T104704221-20-18 Prep seq:

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Total Dissolved Solids	1642222	**1280**	25.0	25.0	mg/L	03.17.2021 15:00		1

Analytical Method: (N) Dissolved Metals by SW6020A Prep Method: 3010A

Analyst: DEP % Moist:

Seq Number: 3154012 Date Prep: 03.17.2021 09:40 Tech: DEP

Subcontractor: SUB: T104704215-20-39 Prep seq: 7723525

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Arsenic	7440-38-2	**0.00607**	0.00400	0.000246	mg/L	03.17.2021 16:49		1
Chromium	7440-47-3	**0.0129**	0.00400	0.000525	mg/L	03.17.2021 16:49		1
Iron	7439-89-6	**50.3**	5.00	1.14	mg/L	03.18.2021 13:31	D	50
Manganese	7439-96-5	**2.54**	0.100	0.00993	mg/L	03.18.2021 13:31	D	50

Analytical Method: Chromium, Hexavalent by SW 7196A Prep Method:

Analyst: SPC % Moist:

Seq Number: 3153855 Date Prep: Tech: SPC

Prep seq:

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Chromium, Hexavalent	18540-29-9	<0.00273	0.0100	0.00273	mg/L	03.11.2021 19:23	U	1

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Certificate of Analytical Results

691535

ARCADIS, Midland, TX

Eunice Project - N Eunice

Sample Id: ~~DUP-2~~ DUP-7 Matrix: Water Sample Depth:

Lab Sample Id: 691535-010 Date Collected: 03.11.2021 00:00 Date Received: 03.11.2021 17:12

Analytical Method: Chloride by EPA 300 Prep Method: E300P

Analyst: CHE % Moist:

Seq Number: 3154284 Date Prep: 03.18.2021 10:00 Tech: CHE

Prep seq: 7723590

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Chloride	16887-00-6	**1190**	25.0	1.05	mg/L	03.18.2021 18:45		50

Analytical Method: TDS by SM2540C Prep Method:

Analyst: DTH % Moist:

Seq Number: 3154062 Date Prep: Tech: DTH

Subcontractor: SUB: T104704221-20-18 Prep seq:

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Total Dissolved Solids	1642222	**1100**	25.0	25.0	mg/L	03.17.2021 15:00		1

Analytical Method: (N) Dissolved Metals by SW6020A Prep Method: 3010A

Analyst: DEP % Moist:

Seq Number: 3154012 Date Prep: 03.17.2021 09:40 Tech: DEP

Subcontractor: SUB: T104704215-20-39 Prep seq: 7723525

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Arsenic	7440-38-2	**0.0113**	0.00400	0.000246	mg/L	03.17.2021 16:52		1
Chromium	7440-47-3	**1.04**	0.00400	0.000525	mg/L	03.17.2021 16:52		1
Iron	7439-89-6	<0.0227	0.100	0.0227	mg/L	03.17.2021 16:52	U	1
Manganese	7439-96-5	**0.0294**	0.00200	0.000199	mg/L	03.17.2021 16:52		1

Analytical Method: Chromium, Hexavalent by SW 7196A Prep Method:

Analyst: SPC % Moist:

Seq Number: 3153855 Date Prep: Tech: SPC

Prep seq:

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Chromium, Hexavalent	18540-29-9	**1.07**	0.200	0.0545	mg/L	03.11.2021 19:23		20

Released to Imaging: 12/12/2022 10:42:57 AM
Received by OCD: 3/21/2022 2:39:57 PM

Chain of Custody

Work Order No: 691655

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

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:	303-471-2477 Email:	madisyn.frandsen@arcadis.com	

Work Order Comments

Program: UST/PST ☐ PRP ☐ Brownfields ☐ RRC ☐ Superfund ☐
State of Project:
Reporting:Level II ☐ Level III ☐ PST/UST ☐ TRRP ☐ Level IV ☐
Deliverables: EDD ☐ ADaPT ☐ Other:

Project Name:	Eunice Project-N. Eunice	Turn Around	
Project Number:	30049577	Routine	
P.O. Number:		Rush:	
Sampler's Name:	Jerry S. Longwell	Due Date:	

SAMPLE RECEIPT			
Temp Blank:	Yes (No)	Wet Ice:	(Yes) No
Temperature (°C):	1.5 / 2.0	Thermometer ID	R8
Received Intact:	(Yes) No		
Cooler Custody Seals:	Yes No (N/A)	Correction Factor:	0.5
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): Aresenic, Maganese, Iron & Chromium	TDS (SM2540C)	Chlorides (EPA 300.0)
MW058	W	031221	0823		3			X	X	X	X
MW011A	W	031221	0858		3			X	X	X	X
MW032	W	031221	0929		3			X	X	X	X
MW002A	W	031221	0954		3			X	X	X	X
MW046A	W	031221	1029		3	X	X	X	X	X	X
MW045	W	031221	1125		8	X	X	X	X	X	X
MW001	W	031221	1254		8	X	X	X	X	X	X
DUP-8	W	031221	—		3			X	X	X	X
				OSC							

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
Jerry S. Longwell	Carlos Granada	031221 / 1830	2		3/12/21 17:05
3			4		
5			6		

Revised Date 051418 Rev. 2018.1

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Certificate of Analytical Results
691655
ARCADIS, Midland, TX
Eunice Project - N Eunice

Sample Id: **MW058** Matrix: Water Sample Depth:

Lab Sample Id: 691655-001 Date Collected: 03.12.2021 08:28 Date Received: 03.12.2021 17:05

Analytical Method: Chloride by EPA 300 Prep Method: E300P

Analyst: CHE % Moist:

Seq Number: 3154288 Date Prep: 03.19.2021 11:15 Tech: CHE

Prep seq: 7723762

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Chloride	16887-00-6	**1330**	25.0	1.05	mg/L	03.19.2021 12:28		50

Analytical Method: TDS by SM2540C Prep Method:

Analyst: DTH % Moist:

Seq Number: 3154062 Date Prep: Tech: DTH

Subcontractor: SUB: T104704221-20-18 Prep seq:

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Total Dissolved Solids	1642222	**1000**	25.0	25.0	mg/L	03.17.2021 15:00		1

Analytical Method: (N) Dissolved Metals by SW6020A Prep Method: 3010A

Analyst: DEP % Moist:

Seq Number: 3154164 Date Prep: 03.18.2021 10:30 Tech: DEP

Subcontractor: SUB: T104704215-20-39 Prep seq: 7723619

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Arsenic	7440-38-2	**0.0129**	0.00400	0.000246	mg/L	03.18.2021 18:19		1
Chromium	7440-47-3	**3.64**	0.0800	0.0105	mg/L	03.19.2021 18:49	~~DX~~	20
Iron	7439-89-6	<0.0227	0.100	0.0227	mg/L	03.18.2021 18:19	U	1
Manganese	7439-96-5	**0.000515**	0.00200	0.000199	mg/L	03.19.2021 18:40	J	1

Analytical Method: Chromium, Hexavalent by SW 7196A Prep Method:

Analyst: SPC % Moist:

Seq Number: 3153857 Date Prep: Tech: SPC

Prep seq:

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Chromium, Hexavalent	18540-29-9	**3.93**	0.200	0.0545	mg/L	03.12.2021 19:02		20

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Certificate of Analytical Results
691655
ARCADIS, Midland, TX
Eunice Project - N Eunice

Sample Id: **MW11A** Matrix: Water Sample Depth:

Lab Sample Id: 691655-002 Date Collected: 03.12.2021 08:58 Date Received: 03.12.2021 17:05

Analytical Method: Chloride by EPA 300 Prep Method: E300P

Analyst: CHE % Moist:

Seq Number: 3154288 Date Prep: 03.19.2021 11:15 Tech: CHE

Prep seq: 7723762

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Chloride	16887-00-6	**488**	5.00	0.210	mg/L	03.19.2021 12:11	X	10

Analytical Method: TDS by SM2540C Prep Method:

Analyst: DTH % Moist:

Seq Number: 3154062 Date Prep: Tech: DTH

Subcontractor: SUB: T104704221-20-18 Prep seq:

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Total Dissolved Solids	1642222	**786**	25.0	25.0	mg/L	03.17.2021 15:00		1

Analytical Method: (N) Dissolved Metals by SW6020A Prep Method: 3010A

Analyst: DEP % Moist:

Seq Number: 3154164 Date Prep: 03.18.2021 10:30 Tech: DEP

Subcontractor: SUB: T104704215-20-39 Prep seq: 7723619

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Arsenic	7440-38-2	**0.0142**	0.00400	0.000246	mg/L	03.18.2021 18:39		1
Chromium	7440-47-3	**0.0459**	0.00400	0.000525	mg/L	03.18.2021 18:39		1
Iron	7439-89-6	<0.0227	0.100	0.0227	mg/L	03.18.2021 18:39	U	1
Manganese	7439-96-5	**0.0475**	0.00200	0.000199	mg/L	03.19.2021 19:03		1

Analytical Method: Chromium, Hexavalent by SW 7196A Prep Method:

Analyst: SPC % Moist:

Seq Number: 3153857 Date Prep: Tech: SPC

Prep seq:

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Chromium, Hexavalent	18540-29-9	**0.0386**	0.0100	0.00273	mg/L	03.12.2021 19:02		1

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Certificate of Analytical Results
691655
ARCADIS, Midland, TX
Eunice Project - N Eunice

Sample Id: **MW032** Matrix: Water Sample Depth:

Lab Sample Id: 691655-003 Date Collected: 03.12.2021 09:29 Date Received: 03.12.2021 17:05

Analytical Method: Chloride by EPA 300 Prep Method: E300P

Analyst: CHE % Moist:

Seq Number: 3154288 Date Prep: 03.19.2021 11:15 Tech: CHE

Prep seq: 7723762

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Chloride	16887-00-6	**343**	5.00	0.210	mg/L	03.19.2021 12:34		10

Analytical Method: TDS by SM2540C Prep Method:

Analyst: DTH % Moist:

Seq Number: 3154062 Date Prep: Tech: DTH

Subcontractor: SUB: T104704221-20-18 Prep seq:

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Total Dissolved Solids	1642222	**1700**	25.0	25.0	mg/L	03.17.2021 15:00		1

Analytical Method: (N) Dissolved Metals by SW6020A Prep Method: 3010A

Analyst: DEP % Moist:

Seq Number: 3154164 Date Prep: 03.18.2021 10:30 Tech: DEP

Subcontractor: SUB: T104704215-20-39 Prep seq: 7723619

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Arsenic	7440-38-2	**0.00333**	0.00400	0.000246	mg/L	03.18.2021 18:42	J	1
Chromium	7440-47-3	**0.00394**	0.00400	0.000525	mg/L	03.18.2021 18:42	J	1
Iron	7439-89-6	<0.0227	0.100	0.0227	mg/L	03.18.2021 18:42	U	1
Manganese	7439-96-5	<0.000199	0.00200	0.000199	mg/L	03.19.2021 19:06	U	1

Analytical Method: Chromium, Hexavalent by SW 7196A Prep Method:

Analyst: SPC % Moist:

Seq Number: 3153857 Date Prep: Tech: SPC

Prep seq:

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Chromium, Hexavalent	18540-29-9	<0.00273	0.0100	0.00273	mg/L	03.12.2021 19:02	U	1

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Certificate of Analytical Results
691655
ARCADIS, Midland, TX
Eunice Project - N Eunice

Sample Id: **MW002A** Matrix: Water Sample Depth:

Lab Sample Id: 691655-004 Date Collected: 03.12.2021 09:54 Date Received: 03.12.2021 17:05

Analytical Method: Chloride by EPA 300 Prep Method: E300P

Analyst: CHE % Moist:

Seq Number: 3154288 Date Prep: 03.19.2021 11:15 Tech: CHE

Prep seq: 7723762

Parameter	CAS Number	Result		MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Chloride	16887-00-6	**1940**		25.0	1.05	mg/L	03.19.2021 12:39		50

Analytical Method: TDS by SM2540C Prep Method:

Analyst: DTH % Moist:

Seq Number: 3154062 Date Prep: Tech: DTH

Subcontractor: SUB: T104704221-20-18 Prep seq:

Parameter	CAS Number	Result		MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Total Dissolved Solids	1642222	**1760**	J	25.0	25.0	mg/L	03.17.2021 15:00		1

Analytical Method: (N) Dissolved Metals by SW6020A Prep Method: 3010A

Analyst: DEP % Moist:

Seq Number: 3154164 Date Prep: 03.18.2021 10:30 Tech: DEP

Subcontractor: SUB: T104704215-20-39 Prep seq: 7723619

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Arsenic	7440-38-2	**0.0172**	0.00400	0.000246	mg/L	03.18.2021 18:45		1
Chromium	7440-47-3	**0.848**	0.00400	0.000525	mg/L	03.18.2021 18:45		1
Iron	7439-89-6	<0.0227	0.100	0.0227	mg/L	03.18.2021 18:45	U	1
Manganese	7439-96-5	**0.0190**	0.00200	0.000199	mg/L	03.19.2021 19:09		1

Analytical Method: Chromium, Hexavalent by SW 7196A Prep Method:

Analyst: SPC % Moist:

Seq Number: 3153857 Date Prep: Tech: SPC

Prep seq:

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Chromium, Hexavalent	18540-29-9	**0.828**	0.200	0.0545	mg/L	03.12.2021 19:02		20

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Certificate of Analytical Results
691655
ARCADIS, Midland, TX
Eunice Project - N Eunice

Sample Id: **MW046A** Matrix: Water Sample Depth:

Lab Sample Id: 691655-005 Date Collected: 03.12.2021 10:28 Date Received: 03.12.2021 17:05

Analytical Method: Chloride by EPA 300 Prep Method: E300P

Analyst: CHE % Moist:

Seq Number: 3154288 Date Prep: 03.19.2021 11:15 Tech: CHE

Prep seq: 7723762

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Chloride	16887-00-6	**741**	10.0	0.421	mg/L	03.19.2021 12:45		20

Analytical Method: TDS by SM2540C Prep Method:

Analyst: DTH % Moist:

Seq Number: 3154062 Date Prep: Tech: DTH

Subcontractor: SUB: T104704221-20-18 Prep seq:

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Total Dissolved Solids	1642222	**912**	25.0	25.0	mg/L	03.17.2021 15:00		1

Analytical Method: (N) Dissolved Metals by SW6020A Prep Method: 3010A

Analyst: DEP % Moist:

Seq Number: 3154164 Date Prep: 03.18.2021 10:30 Tech: DEP

Subcontractor: SUB: T104704215-20-39 Prep seq: 7723619

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Arsenic	7440-38-2	**0.00988**	0.00400	0.000246	mg/L	03.18.2021 18:48		1
Chromium	7440-47-3	**1.96**	0.00400	0.000525	mg/L	03.18.2021 18:48		1
Iron	7439-89-6	<0.0227	0.100	0.0227	mg/L	03.18.2021 18:48	U	1
Manganese	7439-96-5	**0.000224**	0.00200	0.000199	mg/L	03.19.2021 19:12	J	1

Analytical Method: Chromium, Hexavalent by SW 7196A Prep Method:

Analyst: SPC % Moist:

Seq Number: 3153857 Date Prep: Tech: SPC

Prep seq:

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Chromium, Hexavalent	18540-29-9	**2.05**	0.200	0.0545	mg/L	03.12.2021 19:02		20

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Certificate of Analytical Results
691655
ARCADIS, Midland, TX
Eunice Project - N Eunice

Sample Id: **MW046A** Matrix: Water Sample Depth:

Lab Sample Id: 691655-005 Date Collected: 03.12.2021 10:28 Date Received: 03.12.2021 17:05

Analytical Method: TPH By SW8015 Mod Prep Method: 8015

Analyst: ARM % Moist:

Seq Number: 3154388 Date Prep: 03.19.2021 12:00 Tech: ARM

Prep seq: 7723822

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Gasoline Range Hydrocarbons	PHC610	<0.871	2.20	0.871	mg/L	03.21.2021 18:28	U	1
Diesel Range Organics	C10C28DRO	<0.805	2.20	0.805	mg/L	03.21.2021 18:28	U	1
Oil Range Hydrocarbons	PHCG2835	<0.805	2.20	0.805	mg/L	03.21.2021 18:28	U	1
Total TPH	PHC635	<0.805	2.20	0.805	mg/L	03.21.2021 18:28	U	1

Surrogate	% Recovery	Limits	Units	Analysis Date	Flag
1-Chlorooctane	92	70 - 135	%		
o-Terphenyl	84	70 - 135	%		

Analytical Method: BTEX by EPA 8021B Prep Method: 5030B

Analyst: KTL % Moist:

Seq Number: 3154455 Date Prep: 03.22.2021 15:00 Tech: KTL

Prep seq: 7723847

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Benzene	71-43-2	<0.000408	0.00200	0.000408	mg/L	03.22.2021 19:55	U	1
Toluene	108-88-3	<0.000367	0.00200	0.000367	mg/L	03.22.2021 19:55	U	1
Ethylbenzene	100-41-4	<0.000657	0.00200	0.000657	mg/L	03.22.2021 19:55	U	1
m,p-Xylenes	179601-23-1	<0.000630	0.00400	0.000630	mg/L	03.22.2021 19:55	U	1
o-Xylene	95-47-6	<0.000642	0.00200	0.000642	mg/L	03.22.2021 19:55	U	1
Total Xylenes	1330-20-7	<0.000630	0.00200	0.000630	mg/L	03.22.2021 19:55	U	1
Total BTEX		<0.000367	0.00200	0.000367	mg/L	03.22.2021 19:55	U	1

Surrogate	% Recovery	Limits	Units	Analysis Date	Flag
1,4-Difluorobenzene	117	70 - 130	%		
4-Bromofluorobenzene	113	70 - 130	%		

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Certificate of Analytical Results
691655
ARCADIS, Midland, TX
Eunice Project - N Eunice

Sample Id: **MW045** Matrix: Water Sample Depth:

Lab Sample Id: 691655-006 Date Collected: 03.12.2021 11:25 Date Received: 03.12.2021 17:05

Analytical Method: Chloride by EPA 300 Prep Method: E300P

Analyst: CHE % Moist:

Seq Number: 3154288 Date Prep: 03.19.2021 11:15 Tech: CHE

Prep seq: 7723762

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Chloride	16887-00-6	**68.9**	5.00	0.210	mg/L	03.19.2021 13:01		10

Analytical Method: TDS by SM2540C Prep Method:

Analyst: DTH % Moist:

Seq Number: 3154179 Date Prep: Tech: DTH

Subcontractor: SUB: T104704221-20-18 Prep seq:

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Total Dissolved Solids	1642222	**1270**	25.0	25.0	mg/L	03.18.2021 15:00		1

Analytical Method: (N) Dissolved Metals by SW6020A Prep Method: 3010A

Analyst: DEP % Moist:

Seq Number: 3154164 Date Prep: 03.18.2021 10:30 Tech: DEP

Subcontractor: SUB: T104704215-20-39 Prep seq: 7723619

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Arsenic	7440-38-2	**0.00205**	0.00400	0.000246	mg/L	03.18.2021 18:50	J	1
Chromium	7440-47-3	**0.0119**	0.00400	0.000525	mg/L	03.18.2021 18:50		1
Iron	7439-89-6	<0.0227	0.100	0.0227	mg/L	03.18.2021 18:50	U	1
Manganese	7439-96-5	**0.112**	0.00200	0.000199	mg/L	03.19.2021 19:15		1

Analytical Method: Chromium, Hexavalent by SW 7196A Prep Method:

Analyst: SPC % Moist:

Seq Number: 3153857 Date Prep: Tech: SPC

Prep seq:

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Chromium, Hexavalent	18540-29-9	<0.00273	0.0100	0.00273	mg/L	03.12.2021 19:02	U	1

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Certificate of Analytical Results
691655
ARCADIS, Midland, TX
Eunice Project - N Eunice

Sample Id: **MW045** Matrix: Water Sample Depth:

Lab Sample Id: 691655-006 Date Collected: 03.12.2021 11:25 Date Received: 03.12.2021 17:05

Analytical Method: TPH By SW8015 Mod Prep Method: 8015

Analyst: ARM % Moist:

Seq Number: 3154388 Date Prep: 03.19.2021 12:00 Tech: ARM

Prep seq: 7723822

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Gasoline Range Hydrocarbons	PHC610	<0.874	2.21	0.874	mg/L	03.21.2021 19:33	U	1
Diesel Range Organics	C10C28DRO	<0.808	2.21	0.808	mg/L	03.21.2021 19:33	U	1
Oil Range Hydrocarbons	PHCG2835	<0.808	2.21	0.808	mg/L	03.21.2021 19:33	U	1
Total TPH	PHC635	<0.808	2.21	0.808	mg/L	03.21.2021 19:33	U	1

Surrogate	% Recovery	Limits	Units	Analysis Date	Flag
1-Chlorooctane	83	70 - 135	%		
o-Terphenyl	78	70 - 135	%		

Analytical Method: BTEX by EPA 8021B Prep Method: 5030B

Analyst: KTL % Moist:

Seq Number: 3154455 Date Prep: 03.22.2021 15:00 Tech: KTL

Prep seq: 7723847

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Benzene	71-43-2	<0.000408	0.00200	0.000408	mg/L	03.22.2021 20:21	U	1
Toluene	108-88-3	<0.000367	0.00200	0.000367	mg/L	03.22.2021 20:21	U	1
Ethylbenzene	100-41-4	<0.000657	0.00200	0.000657	mg/L	03.22.2021 20:21	U	1
m,p-Xylenes	179601-23-1	<0.000630	0.00400	0.000630	mg/L	03.22.2021 20:21	U	1
o-Xylene	95-47-6	<0.000642	0.00200	0.000642	mg/L	03.22.2021 20:21	U	1
Total Xylenes	1330-20-7	<0.000630	0.00200	0.000630	mg/L	03.22.2021 20:21	U	1
Total BTEX		<0.000367	0.00200	0.000367	mg/L	03.22.2021 20:21	U	1

Surrogate	% Recovery	Limits	Units	Analysis Date	Flag
1,4-Difluorobenzene	116	70 - 130	%		
4-Bromofluorobenzene	107	70 - 130	%		

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Certificate of Analytical Results
691655
ARCADIS, Midland, TX
Eunice Project - N Eunice

Sample Id: **MW001** Matrix: Water Sample Depth:

Lab Sample Id: 691655-007 Date Collected: 03.12.2021 12:54 Date Received: 03.12.2021 17:05

Analytical Method: Chloride by EPA 300 Prep Method: E300P

Analyst: CHE % Moist:

Seq Number: 3154288 Date Prep: 03.19.2021 11:15 Tech: CHE

Prep seq: 7723762

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Chloride	16887-00-6	**319**	10.0	0.421	mg/L	03.19.2021 13:07		20

Analytical Method: TDS by SM2540C Prep Method:

Analyst: DTH % Moist:

Seq Number: 3154179 Date Prep: Tech: DTH

Subcontractor: SUB: T104704221-20-18 Prep seq:

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Total Dissolved Solids	1642222	**2570**	50.0	50.0	mg/L	03.18.2021 15:00		1

Analytical Method: (N) Dissolved Metals by SW6020A Prep Method: 3010A

Analyst: DEP % Moist:

Seq Number: 3154164 Date Prep: 03.18.2021 10:30 Tech: DEP

Subcontractor: SUB: T104704215-20-39 Prep seq: 7723619

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Arsenic	7440-38-2	**0.00184**	0.00400	0.000246	mg/L	03.18.2021 18:53	J	1
Chromium	7440-47-3	**0.0563**	0.00400	0.000525	mg/L	03.18.2021 18:53		1
Iron	7439-89-6	**0.0403**	0.100	0.0227	mg/L	03.18.2021 18:53	J	1
Manganese	7439-96-5	**1.12**	0.0200	0.00199	mg/L	03.23.2021 12:21	D	10

Analytical Method: Chromium, Hexavalent by SW 7196A Prep Method:

Analyst: SPC % Moist:

Seq Number: 3153857 Date Prep: Tech: SPC

Prep seq:

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Chromium, Hexavalent	18540-29-9	**0.0135**	0.0100	0.00273	mg/L	03.12.2021 19:02		1

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Certificate of Analytical Results
691655
ARCADIS, Midland, TX
Eunice Project - N Eunice

Sample Id: **MW001** Matrix: Water Sample Depth:

Lab Sample Id: 691655-007 Date Collected: 03.12.2021 12:54 Date Received: 03.12.2021 17:05

Analytical Method: TPH By SW8015 Mod Prep Method: 8015

Analyst: ARM % Moist:

Seq Number: 3154388 Date Prep: 03.19.2021 12:00 Tech: ARM

Prep seq: 7723822

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Gasoline Range Hydrocarbons	PHC610	<0.887	2.25	0.887	mg/L	03.21.2021 19:55	U	1
Diesel Range Organics	C10C28DRO	<0.820	2.25	0.820	mg/L	03.21.2021 19:55	U	1
Oil Range Hydrocarbons	PHCG2835	<0.820	2.25	0.820	mg/L	03.21.2021 19:55	U	1
Total TPH	PHC635	<0.820	2.25	0.820	mg/L	03.21.2021 19:55	U	1

Surrogate	% Recovery	Limits	Units	Analysis Date	Flag
1-Chlorooctane	104	70 - 135	%		
o-Terphenyl	97	70 - 135	%		

Analytical Method: BTEX by EPA 8021B Prep Method: 5030B

Analyst: KTL % Moist:

Seq Number: 3154455 Date Prep: 03.22.2021 15:00 Tech: KTL

Prep seq: 7723847

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Benzene	71-43-2	<0.000408	0.00200	0.000408	mg/L	03.22.2021 20:46	U	1
Toluene	108-88-3	<0.000367	0.00200	0.000367	mg/L	03.22.2021 20:46	U	1
Ethylbenzene	100-41-4	<0.000657	0.00200	0.000657	mg/L	03.22.2021 20:46	U	1
m,p-Xylenes	179601-23-1	<0.000630	0.00400	0.000630	mg/L	03.22.2021 20:46	U	1
o-Xylene	95-47-6	<0.000642	0.00200	0.000642	mg/L	03.22.2021 20:46	U	1
Total Xylenes	1330-20-7	<0.000630	0.00200	0.000630	mg/L	03.22.2021 20:46	U	1
Total BTEX		<0.000367	0.00200	0.000367	mg/L	03.22.2021 20:46	U	1

Surrogate	% Recovery	Limits	Units	Analysis Date	Flag
1,4-Difluorobenzene	118	70 - 130	%		
4-Bromofluorobenzene	119	70 - 130	%		

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Certificate of Analytical Results
691655
ARCADIS, Midland, TX
Eunice Project - N Eunice

Sample Id: **Dup-8** Matrix: Water Sample Depth:

Lab Sample Id: 691655-008 Date Collected: 03.12.2021 00:00 Date Received: 03.12.2021 17:05

Analytical Method: Chloride by EPA 300 Prep Method: E300P

Analyst: CHE % Moist:

Seq Number: 3154288 Date Prep: 03.19.2021 11:15 Tech: CHE

Prep seq: 7723762

Parameter	CAS Number	Result		MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Chloride	16887-00-6	**1580**		25.0	1.05	mg/L	03.19.2021 13:12		50

Analytical Method: TDS by SM2540C Prep Method:

Analyst: DTH % Moist:

Seq Number: 3154179 Date Prep: Tech: DTH

Subcontractor: SUB: T104704221-20-18 Prep seq:

Parameter	CAS Number	Result		MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Total Dissolved Solids	1642222	**3050**	J	50.0	50.0	mg/L	03.18.2021 15:00		1

Analytical Method: (N) Dissolved Metals by SW6020A Prep Method: 3010A

Analyst: DEP % Moist:

Seq Number: 3154164 Date Prep: 03.18.2021 10:30 Tech: DEP

Subcontractor: SUB: T104704215-20-39 Prep seq: 7723619

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Arsenic	7440-38-2	**0.0174**	0.00400	0.000246	mg/L	03.18.2021 18:56		1
Chromium	7440-47-3	**0.826**	0.00400	0.000525	mg/L	03.18.2021 18:56		1
Iron	7439-89-6	<0.0227	0.100	0.0227	mg/L	03.18.2021 18:56	U	1
Manganese	7439-96-5	**0.0195**	0.00200	0.000199	mg/L	03.19.2021 19:20		1

Analytical Method: Chromium, Hexavalent by SW 7196A Prep Method:

Analyst: SPC % Moist:

Seq Number: 3153857 Date Prep: Tech: SPC

Prep seq:

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Chromium, Hexavalent	18540-29-9	**0.780**	0.200	0.0545	mg/L	03.12.2021 19:02		20

Released to Imaging: 12/12/2022 10:42:57 AM
Received by OCD: 3/21/2022 2:39:57 PM

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: 691656

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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:	303-471-2477	Email:	madisyn.frandsen@arcadis.com

Work Order Comments

Program: UST/PST ☐ PRP ☐ Brownfields ☐ RRC ☐ Superfund ☐
State of Project:
Reporting:Level II ☐ Level III ☐ PST/UST ☐ TRRP ☐ Level IV ☐
Deliverables: EDD ☐ ADaPT ☐ Other:

Project Name:	Eunice Project-N. Eunice	Turn Around	
Project Number:	30049577	Routine	✓
P.O. Number:		Rush:	
Sampler's Name:	Carlos Granada	Due Date:	

SAMPLE RECEIPT			
Temp Blank:	Yes (No)	Wet Ice:	(Yes) No
Temperature (°C):	1.5/2.0	Thermometer ID	28
Received Intact:	(Yes) No		
Cooler Custody Seals:	Yes No (N/A)	Correction Factor:	0.5
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): Aresenic, Maganese, Iron & Chromium	TDS (SM2540C)	Chlorides (EPA 300.0)
MW 69SA	W	3-12-21	833		3			X	X	X	X
MW 90SA	W	3-12-21	906		3			X	X	X	X
IW024	W	3-12-21	936		3			X	X	X	X
MW004A	W	3-12-21	1010		3			X	X	X	X
IW019	W	3-12-21	1048		8	X	X	X	X	X	X
MW043	W	3-12-21	1118		8	X	X	X	X	X	X
MW037	W	3-12-21	1315		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	Carlos Granada		3/12/21 17:05	2		
3				4		
5				6		

Revised Date 051418 Rev. 2018.1

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Certificate of Analytical Results

691656

ARCADIS, Midland, TX

Eunice Project - N Eunice

Sample Id: **MW0895A** Matrix: Water Sample Depth:

Lab Sample Id: 691656-001 Date Collected: 03.12.2021 08:33 Date Received: 03.12.2021 17:05

Analytical Method: Chloride by EPA 300 Prep Method: E300P

Analyst: CHE % Moist:

Seq Number: 3154288 Date Prep: 03.19.2021 11:15 Tech: CHE

Prep seq: 7723762

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Chloride	16887-00-6	**973**	25.0	1.05	mg/L	03.19.2021 13:18		50

Analytical Method: TDS by SM2540C Prep Method:

Analyst: DTH % Moist:

Seq Number: 3154179 Date Prep: Tech: DTH

Subcontractor: SUB: T104704221-20-18 Prep seq:

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Total Dissolved Solids	1642222	**4040**	100	100	mg/L	03.18.2021 15:00		1

Analytical Method: (N) Dissolved Metals by SW6020A Prep Method: 3010A

Analyst: DEP % Moist:

Seq Number: 3154164 Date Prep: 03.18.2021 10:30 Tech: DEP

Subcontractor: SUB: T104704215-20-39 Prep seq: 7723619

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Arsenic	7440-38-2	**0.0104**	0.00400	0.000246	mg/L	03.18.2021 18:59		1
Chromium	7440-47-3	**1.02**	0.00400	0.000525	mg/L	03.18.2021 18:59		1
Iron	7439-89-6	**0.0238**	0.100	0.0227	mg/L	03.18.2021 18:59	J	1
Manganese	7439-96-5	**0.00128**	0.00200	0.000199	mg/L	03.19.2021 19:23	J	1

Analytical Method: Chromium, Hexavalent by SW 7196A Prep Method:

Analyst: SPC % Moist:

Seq Number: 3153858 Date Prep: Tech: SPC

Prep seq:

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Chromium, Hexavalent	18540-29-9	**0.988**	0.200	0.0545	mg/L	03.12.2021 20:55		20

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Certificate of Analytical Results

691656

ARCADIS, Midland, TX

Eunice Project - N Eunice

Sample Id: **MW0905A** Matrix: Water Sample Depth:

Lab Sample Id: 691656-002 Date Collected: 03.12.2021 09:06 Date Received: 03.12.2021 17:05

Analytical Method: Chloride by EPA 300 Prep Method: E300P

Analyst: CHE % Moist:

Seq Number: 3154288 Date Prep: 03.19.2021 11:15 Tech: CHE

Prep seq: 7723762

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Chloride	16887-00-6	**512**	10.0	0.421	mg/L	03.19.2021 13:23		20

Analytical Method: TDS by SM2540C Prep Method:

Analyst: DTH % Moist:

Seq Number: 3154179 Date Prep: Tech: DTH

Subcontractor: SUB: T104704221-20-18 Prep seq:

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Total Dissolved Solids	1642222	**2820**	100	100	mg/L	03.18.2021 15:00		1

Analytical Method: (N) Dissolved Metals by SW6020A Prep Method: 3010A

Analyst: DEP % Moist:

Seq Number: 3154164 Date Prep: 03.18.2021 10:30 Tech: DEP

Subcontractor: SUB: T104704215-20-39 Prep seq: 7723619

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Arsenic	7440-38-2	**0.0101**	0.00400	0.000246	mg/L	03.18.2021 19:02		1
Chromium	7440-47-3	**0.279**	0.00400	0.000525	mg/L	03.18.2021 19:02		1
Iron	7439-89-6	**0.0233**	0.100	0.0227	mg/L	03.18.2021 19:02	J	1
Manganese	7439-96-5	**0.00316**	0.00200	0.000199	mg/L	03.19.2021 19:26		1

Analytical Method: Chromium, Hexavalent by SW 7196A Prep Method:

Analyst: SPC % Moist:

Seq Number: 3153858 Date Prep: Tech: SPC

Prep seq:

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Chromium, Hexavalent	18540-29-9	**0.320**	0.0100	0.00273	mg/L	03.12.2021 20:55		1

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Certificate of Analytical Results
691656
ARCADIS, Midland, TX
Eunice Project - N Eunice

Sample Id: **IW024** Matrix: Water Sample Depth:

Lab Sample Id: 691656-003 Date Collected: 03.12.2021 09:36 Date Received: 03.12.2021 17:05

Analytical Method: Chloride by EPA 300 Prep Method: E300P

Analyst: CHE % Moist:

Seq Number: 3154288 Date Prep: 03.19.2021 11:15 Tech: CHE

Prep seq: 7723762

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Chloride	16887-00-6	**1040**	25.0	1.05	mg/L	03.19.2021 13:45		50

Analytical Method: TDS by SM2540C Prep Method:

Analyst: DTH % Moist:

Seq Number: 3154179 Date Prep: Tech: DTH

Subcontractor: SUB: T104704221-20-18 Prep seq:

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Total Dissolved Solids	1642222	**4200**	100	100	mg/L	03.18.2021 15:00		1

Analytical Method: (N) Dissolved Metals by SW6020A Prep Method: 3010A

Analyst: DEP % Moist:

Seq Number: 3154164 Date Prep: 03.18.2021 10:30 Tech: DEP

Subcontractor: SUB: T104704215-20-39 Prep seq: 7723619

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Arsenic	7440-38-2	**0.0107**	0.00400	0.000246	mg/L	03.18.2021 19:05		1
Chromium	7440-47-3	**0.957**	0.00400	0.000525	mg/L	03.18.2021 19:05		1
Iron	7439-89-6	<0.0227	0.100	0.0227	mg/L	03.18.2021 19:05	U	1
Manganese	7439-96-5	**0.00314**	0.00200	0.000199	mg/L	03.19.2021 19:29		1

Analytical Method: Chromium, Hexavalent by SW 7196A Prep Method:

Analyst: SPC % Moist:

Seq Number: 3153858 Date Prep: Tech: SPC

Prep seq:

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Chromium, Hexavalent	18540-29-9	**1.02**	0.200	0.0545	mg/L	03.12.2021 20:55		20

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Certificate of Analytical Results

691656

ARCADIS, Midland, TX

Eunice Project - N Eunice

Sample Id: **MW004A** Matrix: Water Sample Depth:

Lab Sample Id: 691656-004 Date Collected: 03.12.2021 10:10 Date Received: 03.12.2021 17:05

Analytical Method: Chloride by EPA 300 Prep Method: E300P

Analyst: CHE % Moist:

Seq Number: 3154288 Date Prep: 03.19.2021 11:15 Tech: CHE

Prep seq: 7723762

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Chloride	16887-00-6	**652**	10.0	0.421	mg/L	03.19.2021 13:51		20

Analytical Method: TDS by SM2540C Prep Method:

Analyst: DTH % Moist:

Seq Number: 3154179 Date Prep: Tech: DTH

Subcontractor: SUB: T104704221-20-18 Prep seq:

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Total Dissolved Solids	1642222	**2410**	50.0	50.0	mg/L	03.18.2021 15:00		1

Analytical Method: (N) Dissolved Metals by SW6020A Prep Method: 3010A

Analyst: DEP % Moist:

Seq Number: 3154164 Date Prep: 03.18.2021 10:30 Tech: DEP

Subcontractor: SUB: T104704215-20-39 Prep seq: 7723619

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Arsenic	7440-38-2	**0.0125**	0.00400	0.000246	mg/L	03.18.2021 19:13		1
Chromium	7440-47-3	**0.366**	0.00400	0.000525	mg/L	03.18.2021 19:13		1
Iron	7439-89-6	**0.0238**	0.100	0.0227	mg/L	03.18.2021 19:13	J	1
Manganese	7439-96-5	**0.00288**	0.00200	0.000199	mg/L	03.19.2021 19:38		1

Analytical Method: Chromium, Hexavalent by SW 7196A Prep Method:

Analyst: SPC % Moist:

Seq Number: 3153858 Date Prep: Tech: SPC

Prep seq:

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Chromium, Hexavalent	18540-29-9	**0.531**	0.0500	0.0136	mg/L	03.12.2021 20:55		5

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Certificate of Analytical Results
691656
ARCADIS, Midland, TX
Eunice Project - N Eunice

Sample Id: **IW019** Matrix: Water Sample Depth:

Lab Sample Id: 691656-005 Date Collected: 03.12.2021 10:48 Date Received: 03.12.2021 17:05

Analytical Method: Chloride by EPA 300 Prep Method: E300P

Analyst: CHE % Moist:

Seq Number: 3154288 Date Prep: 03.19.2021 11:15 Tech: CHE

Prep seq: 7723762

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Chloride	16887-00-6	**1270**	25.0	1.05	mg/L	03.19.2021 14:08		50

Analytical Method: TDS by SM2540C Prep Method:

Analyst: DTH % Moist:

Seq Number: 3154179 Date Prep: Tech: DTH

Subcontractor: SUB: T104704221-20-18 Prep seq:

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Total Dissolved Solids	1642222	**3630**	50.0	50.0	mg/L	03.18.2021 15:00		1

Analytical Method: (N) Dissolved Metals by SW6020A Prep Method: 3010A

Analyst: DEP % Moist:

Seq Number: 3154164 Date Prep: 03.18.2021 10:30 Tech: DEP

Subcontractor: SUB: T104704215-20-39 Prep seq: 7723619

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Arsenic	7440-38-2	**0.00929**	0.00400	0.000246	mg/L	03.18.2021 19:16		1
Chromium	7440-47-3	**0.560**	0.00400	0.000525	mg/L	03.18.2021 19:16		1
Iron	7439-89-6	<0.0227	0.100	0.0227	mg/L	03.18.2021 19:16	U	1
Manganese	7439-96-5	**0.0345**	0.00200	0.000199	mg/L	03.19.2021 19:40		1

Analytical Method: Chromium, Hexavalent by SW 7196A Prep Method:

Analyst: SPC % Moist:

Seq Number: 3153858 Date Prep: Tech: SPC

Prep seq:

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Chromium, Hexavalent	18540-29-9	**0.656**	0.0500	0.0136	mg/L	03.12.2021 20:55		5

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Certificate of Analytical Results
691656
ARCADIS, Midland, TX
Eunice Project - N Eunice

Sample Id: **IW019** Matrix: Water Sample Depth:

Lab Sample Id: 691656-005 Date Collected: 03.12.2021 10:48 Date Received: 03.12.2021 17:05

Analytical Method: TPH By SW8015 Mod Prep Method: 8015

Analyst: ARM % Moist:

Seq Number: 3154388 Date Prep: 03.19.2021 12:00 Tech: ARM

Prep seq: 7723822

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Gasoline Range Hydrocarbons	PHC610	<0.878	2.22	0.878	mg/L	03.21.2021 20:16	U	1
Diesel Range Organics	C10C28DRO	<0.811	2.22	0.811	mg/L	03.21.2021 20:16	U	1
Oil Range Hydrocarbons	PHCG2835	<0.811	2.22	0.811	mg/L	03.21.2021 20:16	U	1
Total TPH	PHC635	<0.811	2.22	0.811	mg/L	03.21.2021 20:16	U	1

Surrogate	% Recovery	Limits	Units	Analysis Date	Flag
1-Chlorooctane	93	70 - 135	%		
o-Terphenyl	89	70 - 135	%		

Analytical Method: BTEX by EPA 8021B Prep Method: 5030B

Analyst: KTL % Moist:

Seq Number: 3154455 Date Prep: 03.22.2021 15:00 Tech: KTL

Prep seq: 7723847

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Benzene	71-43-2	<0.000408	0.00200	0.000408	mg/L	03.22.2021 21:12	U	1
Toluene	108-88-3	<0.000367	0.00200	0.000367	mg/L	03.22.2021 21:12	U	1
Ethylbenzene	100-41-4	<0.000657	0.00200	0.000657	mg/L	03.22.2021 21:12	U	1
m,p-Xylenes	179601-23-1	<0.000630	0.00400	0.000630	mg/L	03.22.2021 21:12	U	1
o-Xylene	95-47-6	<0.000642	0.00200	0.000642	mg/L	03.22.2021 21:12	U	1
Total Xylenes	1330-20-7	<0.000630	0.00200	0.000630	mg/L	03.22.2021 21:12	U	1
Total BTEX		<0.000367	0.00200	0.000367	mg/L	03.22.2021 21:12	U	1

Surrogate	% Recovery	Limits	Units	Analysis Date	Flag
1,4-Difluorobenzene	123	70 - 130	%		
4-Bromofluorobenzene	126	70 - 130	%		

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Certificate of Analytical Results

691656

ARCADIS, Midland, TX

Eunice Project - N Eunice

Sample Id: **MW043** Matrix: Water Sample Depth:

Lab Sample Id: 691656-006 Date Collected: 03.12.2021 11:18 Date Received: 03.12.2021 17:05

Analytical Method: Chloride by EPA 300 Prep Method: E300P

Analyst: CHE % Moist:

Seq Number: 3154288 Date Prep: 03.19.2021 11:15 Tech: CHE

Prep seq: 7723762

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Chloride	16887-00-6	**926**	10.0	0.421	mg/L	03.19.2021 14:13		20

Analytical Method: TDS by SM2540C Prep Method:

Analyst: DTH % Moist:

Seq Number: 3154179 Date Prep: Tech: DTH

Subcontractor: SUB: T104704221-20-18 Prep seq:

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Total Dissolved Solids	1642222	**1920**	50.0	50.0	mg/L	03.18.2021 15:00		1

Analytical Method: (N) Dissolved Metals by SW6020A Prep Method: 3010A

Analyst: DEP % Moist:

Seq Number: 3154164 Date Prep: 03.18.2021 10:30 Tech: DEP

Subcontractor: SUB: T104704215-20-39 Prep seq: 7723619

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Arsenic	7440-38-2	**0.00424**	0.00400	0.000246	mg/L	03.18.2021 19:19		1
Chromium	7440-47-3	<0.000525	0.00400	0.000525	mg/L	03.18.2021 19:19	U	1
Iron	7439-89-6	**0.494**	0.100	0.0227	mg/L	03.18.2021 19:19		1
Manganese	7439-96-5	**0.649**	0.0200	0.00199	mg/L	03.19.2021 19:43	D	10

Analytical Method: Chromium, Hexavalent by SW 7196A Prep Method:

Analyst: SPC % Moist:

Seq Number: 3153858 Date Prep: Tech: SPC

Prep seq:

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Chromium, Hexavalent	18540-29-9	<0.00273	0.0100	0.00273	mg/L	03.12.2021 20:55	U	1

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Certificate of Analytical Results
691656
ARCADIS, Midland, TX
Eunice Project - N Eunice

Sample Id: **MW043** Matrix: Water Sample Depth:

Lab Sample Id: 691656-006 Date Collected: 03.12.2021 11:18 Date Received: 03.12.2021 17:05

Analytical Method: TPH By SW8015 Mod Prep Method: 8015

Analyst: ARM % Moist:

Seq Number: 3154388 Date Prep: 03.19.2021 12:00 Tech: ARM

Prep seq: 7723822

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Gasoline Range Hydrocarbons	PHC610	<0.892	2.26	0.892	mg/L	03.21.2021 20:37	U	1
Diesel Range Organics	C10C28DRO	<0.824	2.26	0.824	mg/L	03.21.2021 20:37	U	1
Oil Range Hydrocarbons	PHCG2835	<0.824	2.26	0.824	mg/L	03.21.2021 20:37	U	1
Total TPH	PHC635	<0.824	2.26	0.824	mg/L	03.21.2021 20:37	U	1

Surrogate	% Recovery	Limits	Units	Analysis Date	Flag
1-Chlorooctane	77	70 - 135	%		
o-Terphenyl	72	70 - 135	%		

Analytical Method: BTEX by EPA 8021B Prep Method: 5030B

Analyst: KTL % Moist:

Seq Number: 3154455 Date Prep: 03.22.2021 15:00 Tech: KTL

Prep seq: 7723847

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Benzene	71-43-2	<0.000408	0.00200	0.000408	mg/L	03.22.2021 21:38	U	1
Toluene	108-88-3	<0.000367	0.00200	0.000367	mg/L	03.22.2021 21:38	U	1
Ethylbenzene	100-41-4	<0.000657	0.00200	0.000657	mg/L	03.22.2021 21:38	U	1
m,p-Xylenes	179601-23-1	<0.000630	0.00400	0.000630	mg/L	03.22.2021 21:38	U	1
o-Xylene	95-47-6	<0.000642	0.00200	0.000642	mg/L	03.22.2021 21:38	U	1
Total Xylenes	1330-20-7	<0.000630	0.00200	0.000630	mg/L	03.22.2021 21:38	U	1
Total BTEX		<0.000367	0.00200	0.000367	mg/L	03.22.2021 21:38	U	1

Surrogate	% Recovery	Limits	Units	Analysis Date	Flag
1,4-Difluorobenzene	105	70 - 130	%		
4-Bromofluorobenzene	108	70 - 130	%		

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Certificate of Analytical Results

691656

ARCADIS, Midland, TX

Eunice Project - N Eunice

Sample Id: **MW037** Matrix: Water Sample Depth:

Lab Sample Id: 691656-007 Date Collected: 03.12.2021 13:15 Date Received: 03.12.2021 17:05

Analytical Method: Chloride by EPA 300 Prep Method: E300P

Analyst: CHE % Moist:

Seq Number: 3154288 Date Prep: 03.19.2021 11:15 Tech: CHE

Prep seq: 7723762

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Chloride	16887-00-6	**515**	5.00	0.210	mg/L	03.19.2021 13:29		10

Analytical Method: TDS by SM2540C Prep Method:

Analyst: DTH % Moist:

Seq Number: 3154179 Date Prep: Tech: DTH

Subcontractor: SUB: T104704221-20-18 Prep seq:

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Total Dissolved Solids	1642222	**1680**	50.0	50.0	mg/L	03.18.2021 15:00		1

Analytical Method: (N) Dissolved Metals by SW6020A Prep Method: 3010A

Analyst: DEP % Moist:

Seq Number: 3154164 Date Prep: 03.18.2021 10:30 Tech: DEP

Subcontractor: SUB: T104704215-20-39 Prep seq: 7723619

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Arsenic	7440-38-2	**0.0578**	0.00400	0.000246	mg/L	03.18.2021 19:22		1
Chromium	7440-47-3	**0.000817**	0.00400	0.000525	mg/L	03.18.2021 19:22	J	1
Iron	7439-89-6	**7.27**	0.100	0.0227	mg/L	03.18.2021 19:22		1
Manganese	7439-96-5	**0.159**	0.00200	0.000199	mg/L	03.19.2021 19:46		1

Analytical Method: Chromium, Hexavalent by SW 7196A Prep Method:

Analyst: SPC % Moist:

Seq Number: 3153858 Date Prep: Tech: SPC

Prep seq:

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Chromium, Hexavalent	18540-29-9	<0.00273	0.0100	0.00273	mg/L	03.12.2021 20:55	U	1

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Certificate of Analytical Results
691656
ARCADIS, Midland, TX
Eunice Project - N Eunice

Sample Id: **MW037** Matrix: Water Sample Depth:

Lab Sample Id: 691656-007 Date Collected: 03.12.2021 13:15 Date Received: 03.12.2021 17:05

Analytical Method: TPH By SW8015 Mod Prep Method: 8015

Analyst: ARM % Moist:

Seq Number: 3154388 Date Prep: 03.19.2021 12:00 Tech: ARM

Prep seq: 7723822

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Gasoline Range Hydrocarbons	PHC610	**0.978**	2.24	0.885	mg/L	03.21.2021 20:59	J	1
Diesel Range Organics	C10C28DRO	**0.901**	2.24	0.817	mg/L	03.21.2021 20:59	J	1
Oil Range Hydrocarbons	PHCG2835	<0.817	2.24	0.817	mg/L	03.21.2021 20:59	U	1
Total TPH	PHC635	**1.88**	2.24	0.817	mg/L	03.21.2021 20:59	J	1

Surrogate	% Recovery	Limits	Units	Analysis Date	Flag
1-Chlorooctane	98	70 - 135	%		
o-Terphenyl	91	70 - 135	%		

Analytical Method: BTEX by EPA 8021B Prep Method: 5030B

Analyst: KTL % Moist:

Seq Number: 3154455 Date Prep: 03.22.2021 15:00 Tech: KTL

Prep seq: 7723847

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Benzene	71-43-2	**0.00115**	0.00200	0.000408	mg/L	03.22.2021 22:03	J	1
Toluene	108-88-3	<0.000367	0.00200	0.000367	mg/L	03.22.2021 22:03	U	1
Ethylbenzene	100-41-4	**0.00509**	0.00200	0.000657	mg/L	03.22.2021 22:03		1
m,p-Xylenes	179601-23-1	<0.000630	0.00400	0.000630	mg/L	03.22.2021 22:03	U	1
o-Xylene	95-47-6	<0.000642	0.00200	0.000642	mg/L	03.22.2021 22:03	U	1
Total Xylenes	1330-20-7	<0.000630	0.00200	0.000630	mg/L	03.22.2021 22:03	U	1
Total BTEX		**0.00624**	0.00200	0.000367	mg/L	03.22.2021 22:03		1

Surrogate	% Recovery	Limits	Units	Analysis Date	Flag
1,4-Difluorobenzene	97	70 - 130	%		
4-Bromofluorobenzene	130	70 - 130	%		

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Analytical Report 691656

for

ARCADIS

Project Manager: Sonja Zabienski

Eunice Project - N Eunice

30049577

03.23.2021

Collected By: Client

1211 W. Florida Ave
Midland TX 79701

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

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

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

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03.23.2021

Project Manager: **Sonja Zabienski**
ARCADIS
1004 N. Big Spring St.
Midland, TX 79701

Reference: Eurofins Xenco, LLC Report No(s): **691656**
Eunice Project - N Eunice
Project Address:

Sonja Zabienski:

We are reporting to you the results of the analyses performed on the samples received under the project name referenced above and identified with the Eurofins Xenco, LLC Report Number(s) 691656. All results being reported under this Report Number apply to the samples analyzed and properly identified with a Laboratory ID number. Subcontracted analyses are identified in this report with either the NELAC certification number of the subcontract lab in the analyst ID field, or the complete subcontracted report attached to this report.

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

The validity and integrity of this report will remain intact as long as it is accompanied by this letter and reproduced in full, unless written approval is granted by Eurofins Xenco, LLC. This report will be filed for at least 5 years in our archives after which time it will be destroyed without further notice, unless otherwise arranged with you. The samples received, and described as recorded in Report No. 691656 will be filed for 45 days, and after that time they will be properly disposed without further notice, unless otherwise arranged with you. We reserve the right to return to you any unused samples, extracts or solutions related to them if we consider so necessary (e.g., samples identified as hazardous waste, sample sizes exceeding analytical standard practices, controlled substances under regulated protocols, etc).

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

Respectfully,

John Builes
Project Manager

A Small Business and Minority Company

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

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Sample Cross Reference 691656

ARCADIS, Midland, TX

Eunice Project - N Eunice

Sample Id	Matrix	Date Collected	Sample Depth	Lab Sample Id
MW0895A	W	03.12.2021 08:33		691656-001
MW0905A	W	03.12.2021 09:06		691656-002
IW024	W	03.12.2021 09:36		691656-003
MW004A	W	03.12.2021 10:10		691656-004
IW019	W	03.12.2021 10:48		691656-005
MW043	W	03.12.2021 11:18		691656-006
MW037	W	03.12.2021 13:15		691656-007

CASE NARRATIVE

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Client Name: ARCADIS

Project Name: Eunice Project - N Eunice

Project ID: *30049577*
Work Order Number(s): *691656*

Report Date: *03.23.2021*
Date Received: *03.12.2021*

This laboratory is NELAC accredited under the Texas Laboratory Accreditation Program for all the methods, analytes, and matrices reported in this data package except as noted. The data have been reviewed and are technically compliant with the requirements of the methods used, except where noted by the laboratory.

Sample receipt non conformances and comments:

None

Sample receipt non conformances and comments per sample:

None

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Certificate of Analytical Results
691656
ARCADIS, Midland, TX
Eunice Project - N Eunice

Sample Id: **MW0895A** Matrix: Water Sample Depth:

Lab Sample Id: 691656-001 Date Collected: 03.12.2021 08:33 Date Received: 03.12.2021 17:05

Analytical Method: Chloride by EPA 300 Prep Method: E300P

Analyst: CHE % Moist:

Seq Number: 3154288 Date Prep: 03.19.2021 11:15 Tech: CHE

Prep seq: 7723762

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Chloride	16887-00-6	**973**	25.0	1.05	mg/L	03.19.2021 13:18		50

Analytical Method: TDS by SM2540C Prep Method:

Analyst: DTH % Moist:

Seq Number: 3154179 Date Prep: Tech: DTH

Subcontractor: SUB: T104704221-20-18 Prep seq:

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Total Dissolved Solids	1642222	**4040**	100	100	mg/L	03.18.2021 15:00		1

Analytical Method: (N) Dissolved Metals by SW6020A Prep Method: 3010A

Analyst: DEP % Moist:

Seq Number: 3154164 Date Prep: 03.18.2021 10:30 Tech: DEP

Subcontractor: SUB: T104704215-20-39 Prep seq: 7723619

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Arsenic	7440-38-2	**0.0104**	0.00400	0.000246	mg/L	03.18.2021 18:59		1
Chromium	7440-47-3	**1.02**	0.00400	0.000525	mg/L	03.18.2021 18:59		1
Iron	7439-89-6	**0.0238**	0.100	0.0227	mg/L	03.18.2021 18:59	J	1
Manganese	7439-96-5	**0.00128**	0.00200	0.000199	mg/L	03.19.2021 19:23	J	1

Analytical Method: Chromium, Hexavalent by SW 7196A Prep Method:

Analyst: SPC % Moist:

Seq Number: 3153858 Date Prep: Tech: SPC

Prep seq:

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Chromium, Hexavalent	18540-29-9	**0.988**	0.200	0.0545	mg/L	03.12.2021 20:55		20

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Certificate of Analytical Results

691656

ARCADIS, Midland, TX

Eunice Project - N Eunice

Sample Id: **MW0905A** Matrix: Water Sample Depth:

Lab Sample Id: 691656-002 Date Collected: 03.12.2021 09:06 Date Received: 03.12.2021 17:05

Analytical Method: Chloride by EPA 300 Prep Method: E300P

Analyst: CHE % Moist:

Seq Number: 3154288 Date Prep: 03.19.2021 11:15 Tech: CHE

Prep seq: 7723762

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Chloride	16887-00-6	**512**	10.0	0.421	mg/L	03.19.2021 13:23		20

Analytical Method: TDS by SM2540C Prep Method:

Analyst: DTH % Moist:

Seq Number: 3154179 Date Prep: Tech: DTH

Subcontractor: SUB: T104704221-20-18 Prep seq:

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Total Dissolved Solids	1642222	**2820**	100	100	mg/L	03.18.2021 15:00		1

Analytical Method: (N) Dissolved Metals by SW6020A Prep Method: 3010A

Analyst: DEP % Moist:

Seq Number: 3154164 Date Prep: 03.18.2021 10:30 Tech: DEP

Subcontractor: SUB: T104704215-20-39 Prep seq: 7723619

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Arsenic	7440-38-2	**0.0101**	0.00400	0.000246	mg/L	03.18.2021 19:02		1
Chromium	7440-47-3	**0.279**	0.00400	0.000525	mg/L	03.18.2021 19:02		1
Iron	7439-89-6	**0.0233**	0.100	0.0227	mg/L	03.18.2021 19:02	J	1
Manganese	7439-96-5	**0.00316**	0.00200	0.000199	mg/L	03.19.2021 19:26		1

Analytical Method: Chromium, Hexavalent by SW 7196A Prep Method:

Analyst: SPC % Moist:

Seq Number: 3153858 Date Prep: Tech: SPC

Prep seq:

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Chromium, Hexavalent	18540-29-9	**0.320**	0.0100	0.00273	mg/L	03.12.2021 20:55		1

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691656

ARCADIS, Midland, TX

Eunice Project - N Eunice

Sample Id: **IW024** Matrix: Water Sample Depth:

Lab Sample Id: 691656-003 Date Collected: 03.12.2021 09:36 Date Received: 03.12.2021 17:05

Analytical Method: Chloride by EPA 300 Prep Method: E300P

Analyst: CHE % Moist:

Seq Number: 3154288 Date Prep: 03.19.2021 11:15 Tech: CHE

Prep seq: 7723762

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Chloride	16887-00-6	**1040**	25.0	1.05	mg/L	03.19.2021 13:45		50

Analytical Method: TDS by SM2540C Prep Method:

Analyst: DTH % Moist:

Seq Number: 3154179 Date Prep: Tech: DTH

Subcontractor: SUB: T104704221-20-18 Prep seq:

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Total Dissolved Solids	1642222	**4200**	100	100	mg/L	03.18.2021 15:00		1

Analytical Method: (N) Dissolved Metals by SW6020A Prep Method: 3010A

Analyst: DEP % Moist:

Seq Number: 3154164 Date Prep: 03.18.2021 10:30 Tech: DEP

Subcontractor: SUB: T104704215-20-39 Prep seq: 7723619

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Arsenic	7440-38-2	**0.0107**	0.00400	0.000246	mg/L	03.18.2021 19:05		1
Chromium	7440-47-3	**0.957**	0.00400	0.000525	mg/L	03.18.2021 19:05		1
Iron	7439-89-6	<0.0227	0.100	0.0227	mg/L	03.18.2021 19:05	U	1
Manganese	7439-96-5	**0.00314**	0.00200	0.000199	mg/L	03.19.2021 19:29		1

Analytical Method: Chromium, Hexavalent by SW 7196A Prep Method:

Analyst: SPC % Moist:

Seq Number: 3153858 Date Prep: Tech: SPC

Prep seq:

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Chromium, Hexavalent	18540-29-9	**1.02**	0.200	0.0545	mg/L	03.12.2021 20:55		20

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Certificate of Analytical Results

691656

ARCADIS, Midland, TX

Eunice Project - N Eunice

Sample Id: **MW004A** Matrix: Water Sample Depth:

Lab Sample Id: 691656-004 Date Collected: 03.12.2021 10:10 Date Received: 03.12.2021 17:05

Analytical Method: Chloride by EPA 300 Prep Method: E300P

Analyst: CHE % Moist:

Seq Number: 3154288 Date Prep: 03.19.2021 11:15 Tech: CHE

Prep seq: 7723762

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Chloride	16887-00-6	**652**	10.0	0.421	mg/L	03.19.2021 13:51		20

Analytical Method: TDS by SM2540C Prep Method:

Analyst: DTH % Moist:

Seq Number: 3154179 Date Prep: Tech: DTH

Subcontractor: SUB: T104704221-20-18 Prep seq:

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Total Dissolved Solids	1642222	**2410**	50.0	50.0	mg/L	03.18.2021 15:00		1

Analytical Method: (N) Dissolved Metals by SW6020A Prep Method: 3010A

Analyst: DEP % Moist:

Seq Number: 3154164 Date Prep: 03.18.2021 10:30 Tech: DEP

Subcontractor: SUB: T104704215-20-39 Prep seq: 7723619

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Arsenic	7440-38-2	**0.0125**	0.00400	0.000246	mg/L	03.18.2021 19:13		1
Chromium	7440-47-3	**0.366**	0.00400	0.000525	mg/L	03.18.2021 19:13		1
Iron	7439-89-6	**0.0238**	0.100	0.0227	mg/L	03.18.2021 19:13	J	1
Manganese	7439-96-5	**0.00288**	0.00200	0.000199	mg/L	03.19.2021 19:38		1

Analytical Method: Chromium, Hexavalent by SW 7196A Prep Method:

Analyst: SPC % Moist:

Seq Number: 3153858 Date Prep: Tech: SPC

Prep seq:

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Chromium, Hexavalent	18540-29-9	**0.531**	0.0500	0.0136	mg/L	03.12.2021 20:55		5

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691656

ARCADIS, Midland, TX

Eunice Project - N Eunice

Sample Id: **IW019** Matrix: Water Sample Depth:

Lab Sample Id: 691656-005 Date Collected: 03.12.2021 10:48 Date Received: 03.12.2021 17:05

Analytical Method: Chloride by EPA 300 Prep Method: E300P

Analyst: CHE % Moist:

Seq Number: 3154288 Date Prep: 03.19.2021 11:15 Tech: CHE

Prep seq: 7723762

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Chloride	16887-00-6	**1270**	25.0	1.05	mg/L	03.19.2021 14:08		50

Analytical Method: TDS by SM2540C Prep Method:

Analyst: DTH % Moist:

Seq Number: 3154179 Date Prep: Tech: DTH

Subcontractor: SUB: T104704221-20-18 Prep seq:

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Total Dissolved Solids	1642222	**3630**	50.0	50.0	mg/L	03.18.2021 15:00		1

Analytical Method: (N) Dissolved Metals by SW6020A Prep Method: 3010A

Analyst: DEP % Moist:

Seq Number: 3154164 Date Prep: 03.18.2021 10:30 Tech: DEP

Subcontractor: SUB: T104704215-20-39 Prep seq: 7723619

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Arsenic	7440-38-2	**0.00929**	0.00400	0.000246	mg/L	03.18.2021 19:16		1
Chromium	7440-47-3	**0.560**	0.00400	0.000525	mg/L	03.18.2021 19:16		1
Iron	7439-89-6	<0.0227	0.100	0.0227	mg/L	03.18.2021 19:16	U	1
Manganese	7439-96-5	**0.0345**	0.00200	0.000199	mg/L	03.19.2021 19:40		1

Analytical Method: Chromium, Hexavalent by SW 7196A Prep Method:

Analyst: SPC % Moist:

Seq Number: 3153858 Date Prep: Tech: SPC

Prep seq:

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Chromium, Hexavalent	18540-29-9	**0.656**	0.0500	0.0136	mg/L	03.12.2021 20:55		5

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691656
ARCADIS, Midland, TX
Eunice Project - N Eunice

Sample Id: **IW019** Matrix: Water Sample Depth:

Lab Sample Id: 691656-005 Date Collected: 03.12.2021 10:48 Date Received: 03.12.2021 17:05

Analytical Method: TPH By SW8015 Mod Prep Method: 8015

Analyst: ARM % Moist:

Seq Number: 3154388 Date Prep: 03.19.2021 12:00 Tech: ARM

Prep seq: 7723822

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Gasoline Range Hydrocarbons	PHC610	<0.878	2.22	0.878	mg/L	03.21.2021 20:16	U	1
Diesel Range Organics	C10C28DRO	<0.811	2.22	0.811	mg/L	03.21.2021 20:16	U	1
Oil Range Hydrocarbons	PHCG2835	<0.811	2.22	0.811	mg/L	03.21.2021 20:16	U	1
Total TPH	PHC635	<0.811	2.22	0.811	mg/L	03.21.2021 20:16	U	1

Surrogate	% Recovery	Limits	Units	Analysis Date	Flag
1-Chlorooctane	93	70 - 135	%		
o-Terphenyl	89	70 - 135	%		

Analytical Method: BTEX by EPA 8021B Prep Method: 5030B

Analyst: KTL % Moist:

Seq Number: 3154455 Date Prep: 03.22.2021 15:00 Tech: KTL

Prep seq: 7723847

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Benzene	71-43-2	<0.000408	0.00200	0.000408	mg/L	03.22.2021 21:12	U	1
Toluene	108-88-3	<0.000367	0.00200	0.000367	mg/L	03.22.2021 21:12	U	1
Ethylbenzene	100-41-4	<0.000657	0.00200	0.000657	mg/L	03.22.2021 21:12	U	1
m,p-Xylenes	179601-23-1	<0.000630	0.00400	0.000630	mg/L	03.22.2021 21:12	U	1
o-Xylene	95-47-6	<0.000642	0.00200	0.000642	mg/L	03.22.2021 21:12	U	1
Total Xylenes	1330-20-7	<0.000630	0.00200	0.000630	mg/L	03.22.2021 21:12	U	1
Total BTEX		<0.000367	0.00200	0.000367	mg/L	03.22.2021 21:12	U	1

Surrogate	% Recovery	Limits	Units	Analysis Date	Flag
1,4-Difluorobenzene	123	70 - 130	%		
4-Bromofluorobenzene	126	70 - 130	%		

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691656

ARCADIS, Midland, TX

Eunice Project - N Eunice

Sample Id: **MW043** Matrix: Water Sample Depth:

Lab Sample Id: 691656-006 Date Collected: 03.12.2021 11:18 Date Received: 03.12.2021 17:05

Analytical Method: Chloride by EPA 300 Prep Method: E300P

Analyst: CHE % Moist:

Seq Number: 3154288 Date Prep: 03.19.2021 11:15 Tech: CHE

Prep seq: 7723762

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Chloride	16887-00-6	**926**	10.0	0.421	mg/L	03.19.2021 14:13		20

Analytical Method: TDS by SM2540C Prep Method:

Analyst: DTH % Moist:

Seq Number: 3154179 Date Prep: Tech: DTH

Subcontractor: SUB: T104704221-20-18 Prep seq:

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Total Dissolved Solids	1642222	**1920**	50.0	50.0	mg/L	03.18.2021 15:00		1

Analytical Method: (N) Dissolved Metals by SW6020A Prep Method: 3010A

Analyst: DEP % Moist:

Seq Number: 3154164 Date Prep: 03.18.2021 10:30 Tech: DEP

Subcontractor: SUB: T104704215-20-39 Prep seq: 7723619

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Arsenic	7440-38-2	**0.00424**	0.00400	0.000246	mg/L	03.18.2021 19:19		1
Chromium	7440-47-3	<0.000525	0.00400	0.000525	mg/L	03.18.2021 19:19	U	1
Iron	7439-89-6	**0.494**	0.100	0.0227	mg/L	03.18.2021 19:19		1
Manganese	7439-96-5	**0.649**	0.0200	0.00199	mg/L	03.19.2021 19:43	D	10

Analytical Method: Chromium, Hexavalent by SW 7196A Prep Method:

Analyst: SPC % Moist:

Seq Number: 3153858 Date Prep: Tech: SPC

Prep seq:

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Chromium, Hexavalent	18540-29-9	<0.00273	0.0100	0.00273	mg/L	03.12.2021 20:55	U	1

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691656
ARCADIS, Midland, TX
Eunice Project - N Eunice

Sample Id: **MW043** Matrix: Water Sample Depth:

Lab Sample Id: 691656-006 Date Collected: 03.12.2021 11:18 Date Received: 03.12.2021 17:05

Analytical Method: TPH By SW8015 Mod Prep Method: 8015

Analyst: ARM % Moist:

Seq Number: 3154388 Date Prep: 03.19.2021 12:00 Tech: ARM

Prep seq: 7723822

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Gasoline Range Hydrocarbons	PHC610	<0.892	2.26	0.892	mg/L	03.21.2021 20:37	U	1
Diesel Range Organics	C10C28DRO	<0.824	2.26	0.824	mg/L	03.21.2021 20:37	U	1
Oil Range Hydrocarbons	PHCG2835	<0.824	2.26	0.824	mg/L	03.21.2021 20:37	U	1
Total TPH	PHC635	<0.824	2.26	0.824	mg/L	03.21.2021 20:37	U	1

Surrogate	% Recovery	Limits	Units	Analysis Date	Flag
1-Chlorooctane	77	70 - 135	%		
o-Terphenyl	72	70 - 135	%		

Analytical Method: BTEX by EPA 8021B Prep Method: 5030B

Analyst: KTL % Moist:

Seq Number: 3154455 Date Prep: 03.22.2021 15:00 Tech: KTL

Prep seq: 7723847

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Benzene	71-43-2	<0.000408	0.00200	0.000408	mg/L	03.22.2021 21:38	U	1
Toluene	108-88-3	<0.000367	0.00200	0.000367	mg/L	03.22.2021 21:38	U	1
Ethylbenzene	100-41-4	<0.000657	0.00200	0.000657	mg/L	03.22.2021 21:38	U	1
m,p-Xylenes	179601-23-1	<0.000630	0.00400	0.000630	mg/L	03.22.2021 21:38	U	1
o-Xylene	95-47-6	<0.000642	0.00200	0.000642	mg/L	03.22.2021 21:38	U	1
Total Xylenes	1330-20-7	<0.000630	0.00200	0.000630	mg/L	03.22.2021 21:38	U	1
Total BTEX		<0.000367	0.00200	0.000367	mg/L	03.22.2021 21:38	U	1

Surrogate	% Recovery	Limits	Units	Analysis Date	Flag
1,4-Difluorobenzene	105	70 - 130	%		
4-Bromofluorobenzene	108	70 - 130	%		

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Certificate of Analytical Results

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ARCADIS, Midland, TX

Eunice Project - N Eunice

Sample Id: **MW037** Matrix: Water Sample Depth:

Lab Sample Id: 691656-007 Date Collected: 03.12.2021 13:15 Date Received: 03.12.2021 17:05

Analytical Method: Chloride by EPA 300 Prep Method: E300P

Analyst: CHE % Moist:

Seq Number: 3154288 Date Prep: 03.19.2021 11:15 Tech: CHE

Prep seq: 7723762

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Chloride	16887-00-6	**515**	5.00	0.210	mg/L	03.19.2021 13:29		10

Analytical Method: TDS by SM2540C Prep Method:

Analyst: DTH % Moist:

Seq Number: 3154179 Date Prep: Tech: DTH

Subcontractor: SUB: T104704221-20-18 Prep seq:

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Total Dissolved Solids	1642222	**1680**	50.0	50.0	mg/L	03.18.2021 15:00		1

Analytical Method: (N) Dissolved Metals by SW6020A Prep Method: 3010A

Analyst: DEP % Moist:

Seq Number: 3154164 Date Prep: 03.18.2021 10:30 Tech: DEP

Subcontractor: SUB: T104704215-20-39 Prep seq: 7723619

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Arsenic	7440-38-2	**0.0578**	0.00400	0.000246	mg/L	03.18.2021 19:22		1
Chromium	7440-47-3	**0.000817**	0.00400	0.000525	mg/L	03.18.2021 19:22	J	1
Iron	7439-89-6	**7.27**	0.100	0.0227	mg/L	03.18.2021 19:22		1
Manganese	7439-96-5	**0.159**	0.00200	0.000199	mg/L	03.19.2021 19:46		1

Analytical Method: Chromium, Hexavalent by SW 7196A Prep Method:

Analyst: SPC % Moist:

Seq Number: 3153858 Date Prep: Tech: SPC

Prep seq:

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Chromium, Hexavalent	18540-29-9	<0.00273	0.0100	0.00273	mg/L	03.12.2021 20:55	U	1

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691656
ARCADIS, Midland, TX
Eunice Project - N Eunice

Sample Id: **MW037** Matrix: Water Sample Depth:

Lab Sample Id: 691656-007 Date Collected: 03.12.2021 13:15 Date Received: 03.12.2021 17:05

Analytical Method: TPH By SW8015 Mod Prep Method: 8015

Analyst: ARM % Moist:

Seq Number: 3154388 Date Prep: 03.19.2021 12:00 Tech: ARM

Prep seq: 7723822

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Gasoline Range Hydrocarbons	PHC610	**0.978**	2.24	0.885	mg/L	03.21.2021 20:59	J	1
Diesel Range Organics	C10C28DRO	**0.901**	2.24	0.817	mg/L	03.21.2021 20:59	J	1
Oil Range Hydrocarbons	PHCG2835	<0.817	2.24	0.817	mg/L	03.21.2021 20:59	U	1
Total TPH	PHC635	**1.88**	2.24	0.817	mg/L	03.21.2021 20:59	J	1

Surrogate	% Recovery	Limits	Units	Analysis Date	Flag
1-Chlorooctane	98	70 - 135	%		
o-Terphenyl	91	70 - 135	%		

Analytical Method: BTEX by EPA 8021B Prep Method: 5030B

Analyst: KTL % Moist:

Seq Number: 3154455 Date Prep: 03.22.2021 15:00 Tech: KTL

Prep seq: 7723847

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Benzene	71-43-2	**0.00115**	0.00200	0.000408	mg/L	03.22.2021 22:03	J	1
Toluene	108-88-3	<0.000367	0.00200	0.000367	mg/L	03.22.2021 22:03	U	1
Ethylbenzene	100-41-4	**0.00509**	0.00200	0.000657	mg/L	03.22.2021 22:03		1
m,p-Xylenes	179601-23-1	<0.000630	0.00400	0.000630	mg/L	03.22.2021 22:03	U	1
o-Xylene	95-47-6	<0.000642	0.00200	0.000642	mg/L	03.22.2021 22:03	U	1
Total Xylenes	1330-20-7	<0.000630	0.00200	0.000630	mg/L	03.22.2021 22:03	U	1
Total BTEX		**0.00624**	0.00200	0.000367	mg/L	03.22.2021 22:03		1

Surrogate	% Recovery	Limits	Units	Analysis Date	Flag
1,4-Difluorobenzene	97	70 - 130	%		
4-Bromofluorobenzene	130	70 - 130	%		

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Certificate of Analytical Results

691656

ARCADIS, Midland, TX

Eunice Project - N Eunice

Sample Id: **3153858-1-BLK** Matrix: Water Sample Depth:

Lab Sample Id: 3153858-1-BLK Date Collected: Date Received:

Analytical Method: Chromium, Hexavalent by SW 7196A Prep Method:

Analyst: SPC % Moist:

Seq Number: 3153858 Date Prep: Tech: SPC

Prep seq:

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Chromium, Hexavalent	18540-29-9	<0.00273	0.0100	0.00273	mg/L	03.12.2021 20:55	U	1

Sample Id: **3154179-1-BLK** Matrix: Water Sample Depth:

Lab Sample Id: 3154179-1-BLK Date Collected: Date Received:

Analytical Method: TDS by SM2540C Prep Method:

Analyst: DTH % Moist:

Seq Number: 3154179 Date Prep: Tech: DTH

Subcontractor: SUB: T104704221-20-18 Prep seq:

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Total Dissolved Solids	1642222	<12.5	12.5	12.5	mg/L	03.18.2021 15:00	U	1

Sample Id: **7723619-1-BLK** Matrix: Water Sample Depth:

Lab Sample Id: 7723619-1-BLK Date Collected: Date Received:

Analytical Method: (N) Dissolved Metals by SW6020A Prep Method: 3010A

Analyst: DEP % Moist:

Seq Number: 3154164 Date Prep: 03.18.2021 10:30 Tech: DEP

Subcontractor: SUB: T104704215-20-39 Prep seq: 7723619

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Arsenic	7440-38-2	<0.000246	0.00400	0.000246	mg/L	03.18.2021 18:11	U	1
Chromium	7440-47-3	<0.000525	0.00400	0.000525	mg/L	03.18.2021 18:11	U	1
Iron	7439-89-6	<0.0227	0.100	0.0227	mg/L	03.18.2021 18:11	U	1
Manganese	7439-96-5	<0.000199	0.00200	0.000199	mg/L	03.18.2021 18:11	U	1

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691656

ARCADIS, Midland, TX

Eunice Project - N Eunice

Sample Id: **7723762-1-BLK** Matrix: Water Sample Depth:

Lab Sample Id: 7723762-1-BLK Date Collected: Date Received:

Analytical Method: Chloride by EPA 300 Prep Method: E300P

Analyst: CHE % Moist:

Seq Number: 3154288 Date Prep: 03.19.2021 11:15 Tech: CHE

Prep seq: 7723762

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Chloride	16887-00-6	<0.0210	0.500	0.0210	mg/L	03.19.2021 11:21	U	1

Sample Id: **7723822-1-BLK** Matrix: Water Sample Depth:

Lab Sample Id: 7723822-1-BLK Date Collected: Date Received:

Analytical Method: TPH By SW8015 Mod Prep Method: 8015

Analyst: ARM % Moist:

Seq Number: 3154388 Date Prep: 03.19.2021 12:00 Tech: ARM

Prep seq: 7723822

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Gasoline Range Hydrocarbons	PHC610	<0.894	2.26	0.894	mg/L	03.21.2021 17:23	U	1
Diesel Range Organics	C10C28DRO	<0.826	2.26	0.826	mg/L	03.21.2021 17:23	U	1
Oil Range Hydrocarbons	PHCG2835	<0.826	2.26	0.826	mg/L	03.21.2021 17:23	U	1

Surrogate	% Recovery	Limits	Units	Analysis Date	Flag
1-Chlorooctane	100	70 - 135	%		
o-Terphenyl	94	70 - 135	%		

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Certificate of Analytical Results
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ARCADIS, Midland, TX
Eunice Project - N Eunice

Sample Id: **7723847-1-BLK** Matrix: Water Sample Depth:

Lab Sample Id: 7723847-1-BLK Date Collected: Date Received:

Analytical Method: BTEX by EPA 8021B Prep Method: 5030B

Analyst: KTL % Moist:

Seq Number: 3154455 Date Prep: 03.22.2021 15:00 Tech: KTL

Prep seq: 7723847

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Benzene	71-43-2	<0.000408	0.00200	0.000408	mg/L	03.22.2021 18:15	U	1
Toluene	108-88-3	<0.000367	0.00200	0.000367	mg/L	03.22.2021 18:15	U	1
Ethylbenzene	100-41-4	<0.000657	0.00200	0.000657	mg/L	03.22.2021 18:15	U	1
m,p-Xylenes	179601-23-1	<0.000630	0.00400	0.000630	mg/L	03.22.2021 18:15	U	1
o-Xylene	95-47-6	<0.000642	0.00200	0.000642	mg/L	03.22.2021 18:15	U	1

Surrogate	% Recovery	Limits	Units	Analysis Date	Flag
1,4-Difluorobenzene	91	70 - 130	%		
4-Bromofluorobenzene	80	70 - 130	%		

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Flagging Criteria

X In our quality control review of the data a QC deficiency was observed and flagged as noted. MS/MSD recoveries were found to be outside of the laboratory control limits due to possible matrix /chemical interference, or a concentration of target analyte high enough to affect the recovery of the spike concentration. This condition could also affect the relative percent difference in the MS/MSD.

B A target analyte or common laboratory contaminant was identified in the method blank. Its presence indicates possible field or laboratory contamination.

D The sample(s) were diluted due to targets detected over the highest point of the calibration curve, or due to matrix interference. Dilution factors are included in the final results. The result is from a diluted sample.

E The data exceeds the upper calibration limit; therefore, the concentration is reported as estimated.

F RPD exceeded lab control limits.

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

U Analyte was not detected.

L The LCS data for this analytical batch was reported below the laboratory control limits for this analyte. The department supervisor and QA Director reviewed data. The samples were either reanalyzed or flagged as estimated concentrations.

H The LCS data for this analytical batch was reported above the laboratory control limits. Supporting QC Data were reviewed by the Department Supervisor and QA Director. Data were determined to be valid for reporting.

K Sample analyzed outside of recommended hold time.

JN A combination of the "N" and the "J" qualifier. The analysis indicates that the analyte is "tentatively identified" and the associated numerical value may not be consistent with the amount actually present in the environmental sample.

** Surrogate recovered outside laboratory control limit.

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

RL Reporting Limit

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

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

DL Method Detection Limit

NC Non-Calculable

SMP Client Sample **BLK** Method Blank

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

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

+ NELAC certification not offered for this compound.

* (Next to analyte name or method description) = Outside XENCO's scope of NELAC accreditation

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Form 2 - Surrogate Recoveries

Project Name: Eunice Project - N Eunice

Report Date: 03232021

Work Orders : 691656 **Project ID:** 30049577

Lab Batch #: 3154455 **Sample:** 7723847-1-BKS / BKS **Batch:** 1 **Matrix:** Water

Units: mg/L **Date Analyzed:** 03.22.2021 14:52 **SURROGATE RECOVERY STUDY**

BTEX by EPA 8021B Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1,4-Difluorobenzene	0.0339	0.0300	113	70-130	
4-Bromofluorobenzene	0.0303	0.0300	101	70-130	

Lab Batch #: 3154455 **Sample:** 7723847-1-BSD / BSD **Batch:** 1 **Matrix:** Water

Units: mg/L **Date Analyzed:** 03.22.2021 16:08 **SURROGATE RECOVERY STUDY**

BTEX by EPA 8021B Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1,4-Difluorobenzene	0.0348	0.0300	116	70-130	
4-Bromofluorobenzene	0.0357	0.0300	119	70-130	

Lab Batch #: 3154455 **Sample:** 691739-001 S / MS **Batch:** 1 **Matrix:** Ground Water

Units: mg/L **Date Analyzed:** 03.22.2021 16:33 **SURROGATE RECOVERY STUDY**

BTEX by EPA 8021B Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1,4-Difluorobenzene	0.0362	0.0300	121	70-130	
4-Bromofluorobenzene	0.0333	0.0300	111	70-130	

Lab Batch #: 3154455 **Sample:** 691739-001 SD / MSD **Batch:** 1 **Matrix:** Ground Water

Units: mg/L **Date Analyzed:** 03.22.2021 16:58 **SURROGATE RECOVERY STUDY**

BTEX by EPA 8021B Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1,4-Difluorobenzene	0.0367	0.0300	122	70-130	
4-Bromofluorobenzene	0.0353	0.0300	118	70-130	

Lab Batch #: 3154455 **Sample:** 7723847-1-BLK / BLK **Batch:** 1 **Matrix:** Water

Units: mg/L **Date Analyzed:** 03.22.2021 18:15 **SURROGATE RECOVERY STUDY**

BTEX by EPA 8021B Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1,4-Difluorobenzene	0.0273	0.0300	91	70-130	
4-Bromofluorobenzene	0.0240	0.0300	80	70-130	

* Surrogate outside of Laboratory QC limits
** Surrogates outside limits; data and surrogates confirmed by reanalysis
*** Poor recoveries due to dilution
Surrogate Recovery [D] = 100 * A / B
All results are based on MDL and validated for QC purposes.

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Form 2 - Surrogate Recoveries

Project Name: Eunice Project - N Eunice

Report Date: 03232021

Work Orders : 691656 **Project ID:** 30049577

Lab Batch #: 3154388 **Sample:** 7723822-1-BLK / BLK **Batch:** 1 **Matrix:** Water

Units: mg/L **Date Analyzed:** 03.21.2021 17:23 **SURROGATE RECOVERY STUDY**

TPH By SW8015 Mod Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1-Chlorooctane	9.01	9.05	100	70-135	
o-Terphenyl	4.23	4.52	94	70-135	

Lab Batch #: 3154388 **Sample:** 7723822-1-BKS / BKS **Batch:** 1 **Matrix:** Water

Units: mg/L **Date Analyzed:** 03.21.2021 17:45 **SURROGATE RECOVERY STUDY**

TPH By SW8015 Mod Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1-Chlorooctane	12.1	9.04	134	70-135	
o-Terphenyl	5.03	4.52	111	70-135	

Lab Batch #: 3154388 **Sample:** 7723822-1-BSD / BSD **Batch:** 1 **Matrix:** Water

Units: mg/L **Date Analyzed:** 03.21.2021 18:06 **SURROGATE RECOVERY STUDY**

TPH By SW8015 Mod Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1-Chlorooctane	10.5	9.05	116	70-135	
o-Terphenyl	4.35	4.53	96	70-135	

Lab Batch #: 3154388 **Sample:** 691655-005 S / MS **Batch:** 1 **Matrix:** Water

Units: mg/L **Date Analyzed:** 03.21.2021 18:50 **SURROGATE RECOVERY STUDY**

TPH By SW8015 Mod Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1-Chlorooctane	8.33	8.90	94	70-135	
o-Terphenyl	3.54	4.45	80	70-135	

Lab Batch #: 3154388 **Sample:** 691655-005 SD / MSD **Batch:** 1 **Matrix:** Water

Units: mg/L **Date Analyzed:** 03.21.2021 19:11 **SURROGATE RECOVERY STUDY**

TPH By SW8015 Mod Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1-Chlorooctane	7.07	8.94	79	70-135	
o-Terphenyl	3.13	4.47	70	70-135	

* Surrogate outside of Laboratory QC limits
** Surrogates outside limits; data and surrogates confirmed by reanalysis
*** Poor recoveries due to dilution
Surrogate Recovery [D] = 100 * A / B
All results are based on MDL and validated for QC purposes.

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BS / BSD Recoveries

Project Name: Eunice Project - N Eunice

Work Order #: 691656 **Project ID:** 30049577

Analyst: KTL **Date Prepared:** 03.22.2021 **Date Analyzed:** 03.22.2021

Lab Batch ID: 3154455 **Sample:** 7723847-1-BKS **Batch #:** 1 **Matrix:** Water

Units: mg/L

BLANK /BLANK SPIKE / BLANK SPIKE DUPLICATE RECOVERY STUDY

BTEX by EPA 8021B Analytes	Blank Sample Result [A]	Spike Added [B]	Blank Spike Result [C]	Blank Spike %R [D]	Spike Added [E]	Blank Spike Duplicate Result [F]	Blk. Spk Dup. %R [G]	RPD %	Control Limits %R	Control Limits %RPD	Flag
Benzene	<0.000408	0.100	0.101	101	0.100	0.106	106	5	70-130	25	
Toluene	<0.000367	0.100	0.0991	99	0.100	0.104	104	5	70-130	25	
Ethylbenzene	<0.000657	0.100	0.0981	98	0.100	0.102	102	4	70-130	25	
m,p-Xylenes	<0.000630	0.200	0.200	100	0.200	0.207	104	3	70-130	25	
o-Xylene	<0.000642	0.100	0.0984	98	0.100	0.105	105	6	70-130	25	

Analyst: CHE **Date Prepared:** 03.19.2021 **Date Analyzed:** 03.19.2021

Lab Batch ID: 3154288 **Sample:** 7723762-1-BKS **Batch #:** 1 **Matrix:** Water

Units: mg/L

BLANK /BLANK SPIKE / BLANK SPIKE DUPLICATE RECOVERY STUDY

Chloride by EPA 300 Analytes	Blank Sample Result [A]	Spike Added [B]	Blank Spike Result [C]	Blank Spike %R [D]	Spike Added [E]	Blank Spike Duplicate Result [F]	Blk. Spk Dup. %R [G]	RPD %	Control Limits %R	Control Limits %RPD	Flag
Chloride	<0.0210	25.0	25.0	100	25.0	25.0	100	0	90-110	20	

Relative Percent Difference RPD = 200*|(C-F)/(C+F)|
Blank Spike Recovery [D] = 100*(C)/[B]
Blank Spike Duplicate Recovery [G] = 100*(F)/[E]
All results are based on MDL and Validated for QC Purposes

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BS / BSD Recoveries

Project Name: Eunice Project - N Eunice

Work Order #: 691656 **Project ID:** 30049577

Analyst: SPC **Date Prepared:** 03.12.2021 **Date Analyzed:** 03.12.2021

Lab Batch ID: 3153858 **Sample:** 3153858-1-BKS **Batch #:** 1 **Matrix:** Water

Units: mg/L

BLANK /BLANK SPIKE / BLANK SPIKE DUPLICATE RECOVERY STUDY

Chromium, Hexavalent by SW 7196A Analytes	Blank Sample Result [A]	Spike Added [B]	Blank Spike Result [C]	Blank Spike %R [D]	Spike Added [E]	Blank Spike Duplicate Result [F]	Blk. Spk Dup. %R [G]	RPD %	Control Limits %R	Control Limits %RPD	Flag
Chromium, Hexavalent	<0.00273	0.0400	0.0451	113	0.0400	0.0448	112	1	85-115	20	

Analyst: DEP **Date Prepared:** 03.18.2021 **Date Analyzed:** 03.18.2021

Lab Batch ID: 3154164 **Sample:** 7723619-1-BKS **Batch #:** 1 **Matrix:** Water

Units: mg/L

BLANK /BLANK SPIKE / BLANK SPIKE DUPLICATE RECOVERY STUDY

(N) Dissolved Metals by SW6020A Analytes	Blank Sample Result [A]	Spike Added [B]	Blank Spike Result [C]	Blank Spike %R [D]	Spike Added [E]	Blank Spike Duplicate Result [F]	Blk. Spk Dup. %R [G]	RPD %	Control Limits %R	Control Limits %RPD	Flag
Arsenic	<0.000246	0.100	0.0958	96	0.100	0.0979	98	2	80-120	20	
Chromium	<0.000525	0.100	0.0946	95	0.100	0.0966	97	2	80-120	20	
Iron	<0.0227	0.500	0.467	93	0.500	0.477	95	2	80-120	20	
Manganese	<0.000199	0.100	0.0941	94	0.100	0.0962	96	2	80-120	20	

Analyst: DTH **Date Prepared:** 03.18.2021 **Date Analyzed:** 03.18.2021

Lab Batch ID: 3154179 **Sample:** 3154179-1-BKS **Batch #:** 1 **Matrix:** Water

Units: mg/L

BLANK /BLANK SPIKE / BLANK SPIKE DUPLICATE RECOVERY STUDY

TDS by SM2540C Analytes	Blank Sample Result [A]	Spike Added [B]	Blank Spike Result [C]	Blank Spike %R [D]	Spike Added [E]	Blank Spike Duplicate Result [F]	Blk. Spk Dup. %R [G]	RPD %	Control Limits %R	Control Limits %RPD	Flag
Total Dissolved Solids	<25.0	1000	990	99	1000	983	98	1	90-110	10	

Relative Percent Difference RPD = 200*|(C-F)/(C+F)|
Blank Spike Recovery [D] = 100*(C)/[B]
Blank Spike Duplicate Recovery [G] = 100*(F)/[E]
All results are based on MDL and Validated for QC Purposes

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BS / BSD Recoveries

Project Name: Eunice Project - N Eunice

Work Order #: 691656 **Project ID:** 30049577

Analyst: ARM **Date Prepared:** 03.19.2021 **Date Analyzed:** 03.21.2021

Lab Batch ID: 3154388 **Sample:** 7723822-1-BKS **Batch #:** 1 **Matrix:** Water

Units: mg/L

BLANK /BLANK SPIKE / BLANK SPIKE DUPLICATE RECOVERY STUDY

TPH By SW8015 Mod Analytes	Blank Sample Result [A]	Spike Added [B]	Blank Spike Result [C]	Blank Spike %R [D]	Spike Added [E]	Blank Spike Duplicate Result [F]	Blk. Spk Dup. %R [G]	RPD %	Control Limits %R	Control Limits %RPD	Flag
Gasoline Range Hydrocarbons	<0.893	90.4	107	118	90.5	106	117	1	70-135	20	
Diesel Range Organics	<0.825	90.4	105	116	90.5	95.9	106	9	70-135	20	

Relative Percent Difference RPD = 200*|(C-F)/(C+F)|
Blank Spike Recovery [D] = 100*(C)/[B]
Blank Spike Duplicate Recovery [G] = 100*(F)/[E]
All results are based on MDL and Validated for QC Purposes

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Form 3 - MS / MSD Recoveries

Project Name: Eunice Project - N Eunice

Report Date: 03232021
Project ID: 30049577

Work Order # : 691656
Lab Batch ID: 3154455 **QC- Sample ID:** 691739-001 S **Batch #:** 1 **Matrix:** Ground Water
Date Analyzed: 03.22.2021 **Date Prepared:** 03.22.2021 **Analyst:** KTL
Reporting Units: mg/L

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY STUDY

BTEX by EPA 8021B Analytes	Parent Sample Result [A]	Spike Added [B]	Spiked Sample Result [C]	Spiked Sample %R [D]	Spike Added [E]	Duplicate Spiked Sample Result [F]	Spiked Dup. %R [G]	RPD %	Control Limits %R	Control Limits %RPD	Flag
Benzene	<0.000408	0.100	0.101	101	0.100	0.107	107	6	70-130	25	
Toluene	<0.000367	0.100	0.0976	98	0.100	0.111	111	13	70-130	25	
Ethylbenzene	<0.000657	0.100	0.0964	96	0.100	0.113	113	16	70-130	25	
m,p-Xylenes	<0.000630	0.200	0.197	99	0.200	0.216	108	9	70-130	25	
o-Xylene	<0.000642	0.100	0.0992	99	0.100	0.114	114	14	70-130	25	

Lab Batch ID: 3154288 **QC- Sample ID:** 691655-002 S **Batch #:** 1 **Matrix:** Water
Date Analyzed: 03.19.2021 **Date Prepared:** 03.19.2021 **Analyst:** CHE
Reporting Units: mg/L

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY STUDY

Chloride by EPA 300 Analytes	Parent Sample Result [A]	Spike Added [B]	Spiked Sample Result [C]	Spiked Sample %R [D]	Spike Added [E]	Duplicate Spiked Sample Result [F]	Spiked Dup. %R [G]	RPD %	Control Limits %R	Control Limits %RPD	Flag
Chloride	488	125	633	116	125	634	117	0	90-110	20	X

Matrix Spike Percent Recovery [D] = 100*(C-A) / B
Relative Percent Difference RPD = 200*|(C-F) / (C+F)|
Matrix Spike Duplicate Percent Recovery [G] = 100*(F-A) / E

ND = Not Detected, J = Present Below Reporting Limit, B = Present in Blank, NR = Not Requested, I = Interference, NA = Not Applicable
N = See Narrative, EQL = Estimated Quantitation Limit, NC = Non Calculable - Sample amount is > 4 times the amount spiked.

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Form 3 - MS / MSD Recoveries

Project Name: Eunice Project - N Eunice

Report Date: 03232021
Project ID: 30049577

Work Order # : 691656

Lab Batch ID: 3154288 **QC- Sample ID:** 691656-007 S **Batch #:** 1 **Matrix:** Water

Date Analyzed: 03.19.2021 **Date Prepared:** 03.19.2021 **Analyst:** CHE

Reporting Units: mg/L

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY STUDY

Chloride by EPA 300 Analytes	Parent Sample Result [A]	Spike Added [B]	Spiked Sample Result [C]	Spiked Sample %R [D]	Spike Added [E]	Duplicate Spiked Sample Result [F]	Spiked Dup. %R [G]	RPD %	Control Limits %R	Control Limits %RPD	Flag
Chloride	515	250	778	105	250	772	103	1	90-110	20	

Lab Batch ID: 3153858 **QC- Sample ID:** 691656-006 S **Batch #:** 1 **Matrix:** Water

Date Analyzed: 03.12.2021 **Date Prepared:** 03.12.2021 **Analyst:** SPC

Reporting Units: mg/L

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY STUDY

Chromium, Hexavalent by SW 7196A Analytes	Parent Sample Result [A]	Spike Added [B]	Spiked Sample Result [C]	Spiked Sample %R [D]	Spike Added [E]	Duplicate Spiked Sample Result [F]	Spiked Dup. %R [G]	RPD %	Control Limits %R	Control Limits %RPD	Flag
Chromium, Hexavalent	<0.00273	0.200	0.181	91	0.200	0.181	91	0	75-125	20	

Matrix Spike Percent Recovery [D] = 100*(C-A) / B
Relative Percent Difference RPD = 200*|(C-F) / (C+F)|

Matrix Spike Duplicate Percent Recovery [G] = 100*(F-A) / E

ND = Not Detected, J = Present Below Reporting Limit, B = Present in Blank, NR = Not Requested, I = Interference, NA = Not Applicable
N = See Narrative, EQL = Estimated Quantitation Limit, NC = Non Calculable - Sample amount is > 4 times the amount spiked.

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Form 3 - MS / MSD Recoveries

Project Name: Eunice Project - N Eunice

Report Date: 03232021
Project ID: 30049577

Work Order # : 691656

Lab Batch ID: 3154164 **QC- Sample ID:** 691655-001 S **Batch #:** 1 **Matrix:** Water

Date Analyzed: 03.18.2021 **Date Prepared:** 03.18.2021 **Analyst:** DEP

Reporting Units: mg/L

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY STUDY

(N) Dissolved Metals by SW6020A Analytes	Parent Sample Result [A]	Spike Added [B]	Spiked Sample Result [C]	Spiked Sample %R [D]	Spike Added [E]	Duplicate Spiked Sample Result [F]	Spiked Dup. %R [G]	RPD %	Control Limits %R	Control Limits %RPD	Flag
Arsenic	0.0129	0.100	0.112	99	0.100	0.112	99	0	75-125	20	
Chromium <03/19/2021 18:43>	3.64	0.100	3.84	200	0.100	3.87	230	1	75-125	20	X
Iron	<0.0227	0.500	0.470	94	0.500	0.481	96	2	75-125	20	
Manganese <03/19/2021 18:43>	0.000515	0.100	0.0979	97	0.100	0.0980	97	0	75-125	20	

Lab Batch ID: 3154388 **QC- Sample ID:** 691655-005 S **Batch #:** 1 **Matrix:** Water

Date Analyzed: 03.21.2021 **Date Prepared:** 03.19.2021 **Analyst:** ARM

Reporting Units: mg/L

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY STUDY

TPH By SW8015 Mod Analytes	Parent Sample Result [A]	Spike Added [B]	Spiked Sample Result [C]	Spiked Sample %R [D]	Spike Added [E]	Duplicate Spiked Sample Result [F]	Spiked Dup. %R [G]	RPD %	Control Limits %R	Control Limits %RPD	Flag
Gasoline Range Hydrocarbons	<0.879	89.0	85.0	96	89.4	69.6	78	20	70-135	20	
Diesel Range Organics	<0.812	89.0	77.6	87	89.4	68.0	76	13	70-135	20	

Matrix Spike Percent Recovery [D] = 100*(C-A) / B
Relative Percent Difference RPD = 200*|(C-F) / (C+F)|

Matrix Spike Duplicate Percent Recovery [G] = 100*(F-A) / E

ND = Not Detected, J = Present Below Reporting Limit, B = Present in Blank, NR = Not Requested, I = Interference, NA = Not Applicable
N = See Narrative, EQL = Estimated Quantitation Limit, NC = Non Calculable - Sample amount is > 4 times the amount spiked.

Method Duplicate

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Project Name: Eunice Project - N Eunice

Work Order #: 691656 **Report Date:** 03232021

Lab Batch #: 3154179 **Project ID:** 30049577

Date Analyzed: 03.18.2021 15:00 **Date Prepared:** 03.18.2021 **Analyst:** DTH

QC- Sample ID: 691655-006 D **Batch #:** 1 **Matrix:** Water

Reporting Units: mg/L

SAMPLE / SAMPLE DUPLICATE RECOVERY

TDS by SM2540C Analyte	Parent Sample Result [A]	Sample Duplicate Result [B]	RPD	Control Limits %RPD	Flag
Total Dissolved Solids	1270	1280	1	10	

Spike Relative Difference RPD 200 * | (B-A)/(B+A) |
All Results are based on MDL and validated for QC purposes.

BRL - Below Reporting Limit

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Chain of Custody

Work Order No: 691656

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 1 of 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:	303-471-2477	Email:	madisyn.frandsen@arcadis.com

Work Order Comments

Program: UST/PST ☐ PRP ☐ Brownfields ☐ RRC ☐ Superfund ☐
State of Project:
Reporting:Level II ☐ Level III ☐ PST/UST ☐ TRRP ☐ Level IV ☐
Deliverables: EDD ☐ ADaPT ☐ Other:

Project Name:	Eunice Project-N. Eunice	Turn Around	
Project Number:	30049577	Routine	✓
P.O. Number:		Rush:	
Sampler's Name:	Carlos Granada	Due Date:	

SAMPLE RECEIPT			
Temperature (°C):	1.5/2.0	Temp Blank:	Yes (No)
Received Intact:	(Yes) No	Wet Ice:	(Yes) No
Cooler Custody Seals:	Yes No (N/A)	Thermometer ID	28
Sample Custody Seals:	Yes No (N/A)	Correction Factor:	0.5
		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): Aresenic, Maganese, Iron & Chromium	TDS (SM2540C)	Chlorides (EPA 300.0)
MW0695A	W	3-12-21	833		3			X	X	X	X
MW0905A	W	3-12-21	906		3			X	X	X	X
IW024	W	3-12-21	936		3			X	X	X	X
MW004A	W	3-12-21	1010		3			X	X	X	X
IW019	W	3-12-21	1048		8	X	X	X	X	X	X
MW043	W	3-12-21	1118		8	X	X	X	X	X	X
MW037	W	3-12-21	1315		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	Carlos Granada		3/12/21 17:05	2			
3				4			
5				6			

Revised Date 051418 Rev. 2018.1

Received by OCD: 3/21/2022 2:39:57 PM
Released to Imaging: 12/12/2022 10:42:57 AM
Final 1.000
Page 28 of 31

Released to Imaging: 12/12/2022 10:42:57 AM
Received by OCD: 3/21/2022 2:39:57 PM

Inter-Office Shipment

IOS Number : 79443

Date/Time: 03.15.2021
Created by: Brianna Teel
Please send report to: John Builes

Lab# From: **Midland**
Delivery Priority:
Address: 1211 W. Florida Ave

Lab# To: **El Paso**
Air Bill No.:
E-Mail: john.builes@eurofinset.com

Sample Id	Matrix	Client Sample Id	Sample Collection	Method	Method Name	Lab Due	HT Due	PM	Analytes	Sign
691656-001	W	MW0895A	03.12.2021 08:33	SM2540C	TDS by SM2540C	03.18.2021	03.19.2021	JHB	TDS	
691656-002	W	MW0905A	03.12.2021 09:06	SM2540C	TDS by SM2540C	03.18.2021	03.19.2021	JHB	TDS	
691656-003	W	IW024	03.12.2021 09:36	SM2540C	TDS by SM2540C	03.18.2021	03.19.2021	JHB	TDS	
691656-004	W	MW004A	03.12.2021 10:10	SM2540C	TDS by SM2540C	03.18.2021	03.19.2021	JHB	TDS	
691656-005	W	IW019	03.12.2021 10:48	SM2540C	TDS by SM2540C	03.18.2021	03.19.2021	JHB	TDS	
691656-006	W	MW043	03.12.2021 11:18	SM2540C	TDS by SM2540C	03.18.2021	03.19.2021	JHB	TDS	
691656-007	W	MW037	03.12.2021 13:15	SM2540C	TDS by SM2540C	03.18.2021	03.19.2021	JHB	TDS	

Inter Office Shipment or Sample Comments:

Relinquished By: Brianna Teel
Brianna Teel

Date Relinquished: 03.15.2021

Received By:

Date Received:

Cooler Temperature:

Released to Imaging: 12/12/2022 10:42:57 AM
Received by OCD: 3/21/2022 2:39:57 PM

Inter-Office Shipment

IOS Number : 79444

Date/Time:	03.15.2021	Created by:	Brianna Teel	Please send report to:	John Builes
Lab# From:	**Midland**	Delivery Priority:		Address:	1211 W. Florida Ave
Lab# To:	**Houston**	Air Bill No.:	773166447982	E-Mail:	john.builes@eurofinset.com

Sample Id	Matrix	Client Sample Id	Sample Collection	Method	Method Name	Lab Due	HT Due	PM	Analytes	Sign
691656-001	W	MW0895A	03.12.2021 08:33	SW6020_DIS	(N) Dissolved Metals by SW6020A	03.18.2021	09.08.2021	JHB	AS CR FE MN	
691656-002	W	MW0905A	03.12.2021 09:06	SW6020_DIS	(N) Dissolved Metals by SW6020A	03.18.2021	09.08.2021	JHB	AS CR FE MN	
691656-003	W	IW024	03.12.2021 09:36	SW6020_DIS	(N) Dissolved Metals by SW6020A	03.18.2021	09.08.2021	JHB	AS CR FE MN	
691656-004	W	MW004A	03.12.2021 10:10	SW6020_DIS	(N) Dissolved Metals by SW6020A	03.18.2021	09.08.2021	JHB	AS CR FE MN	
691656-005	W	IW019	03.12.2021 10:48	SW6020_DIS	(N) Dissolved Metals by SW6020A	03.18.2021	09.08.2021	JHB	AS CR FE MN	
691656-006	W	MW043	03.12.2021 11:18	SW6020_DIS	(N) Dissolved Metals by SW6020A	03.18.2021	09.08.2021	JHB	AS CR FE MN	
691656-007	W	MW037	03.12.2021 13:15	SW6020_DIS	(N) Dissolved Metals by SW6020A	03.18.2021	09.08.2021	JHB	AS CR FE MN	

Inter Office Shipment or Sample Comments:

Relinquished By: Brianna Teel

Brianna Teel

Date Relinquished: 03.15.2021

Received By: Jose Londono

Date Received: 03.16.2021

Cooler Temperature: 5.7

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Environment Testing Xenco

Eurofins Xenco, LLC

Inter Office Report- Sample Receipt Checklist

Sent To: Houston

IOS #: 79444

Acceptable Temperature Range: 0 - 6 degC
Air and Metal samples Acceptable Range: Ambient
Temperature Measuring device used : HOU-272

Sent By: Brianna Teel **Date Sent:** 03.15.2021 08.12 AM

Received By: Jose Londono **Date Received:** 03.16.2021 10.15 AM

Sample Receipt Checklist		Comments
#1 *Temperature of cooler(s)?	5.7	
#2 *Shipping container in good condition?	**Yes**	
#3 *Samples received with appropriate temperature?	**Yes**	
#4 *Custody Seals intact on shipping container/ cooler?	**Yes**	
#5 *Custody Seals Signed and dated for Containers/coolers	**Yes**	
#6 *IOS present?	**Yes**	
#7 Any missing/extra samples?	**No**	
#8 IOS agrees with sample label(s)/matrix?	**Yes**	
#9 Sample matrix/ properties agree with IOS?	**Yes**	
#10 Samples in proper container/ bottle?	**Yes**	
#11 Samples properly preserved?	**Yes**	
#12 Sample container(s) intact?	**Yes**	
#13 Sufficient sample amount for indicated test(s)?	**Yes**	
#14 All samples received within hold time?	**Yes**	

*** Must be completed for after-hours delivery of samples prior to placing in the refrigerator**

NonConformance:

Corrective Action Taken:

Nonconformance Documentation

Contact: _____ **Contacted by :** _____ **Date:** _____

Checklist reviewed by: Jose Londono Date: 03.16.2021

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Analytical Report 691655

for

ARCADIS

Project Manager: Sonja Zabienski

Eunice Project - N Eunice

30049577

03.23.2021

Collected By: Client

1211 W. Florida Ave
Midland TX 79701

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

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

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

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03.23.2021

Project Manager: **Sonja Zabienski**
ARCADIS
1004 N. Big Spring St.
Midland, TX 79701

Reference: Eurofins Xenco, LLC Report No(s): **691655**
Eunice Project - N Eunice
Project Address:

Sonja Zabienski:

We are reporting to you the results of the analyses performed on the samples received under the project name referenced above and identified with the Eurofins Xenco, LLC Report Number(s) 691655. All results being reported under this Report Number apply to the samples analyzed and properly identified with a Laboratory ID number. Subcontracted analyses are identified in this report with either the NELAC certification number of the subcontract lab in the analyst ID field, or the complete subcontracted report attached to this report.

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

The validity and integrity of this report will remain intact as long as it is accompanied by this letter and reproduced in full, unless written approval is granted by Eurofins Xenco, LLC. This report will be filed for at least 5 years in our archives after which time it will be destroyed without further notice, unless otherwise arranged with you. The samples received, and described as recorded in Report No. 691655 will be filed for 45 days, and after that time they will be properly disposed without further notice, unless otherwise arranged with you. We reserve the right to return to you any unused samples, extracts or solutions related to them if we consider so necessary (e.g., samples identified as hazardous waste, sample sizes exceeding analytical standard practices, controlled substances under regulated protocols, etc).

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

Respectfully,

John Builes
Project Manager

A Small Business and Minority Company

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

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Sample Cross Reference 691655

ARCADIS, Midland, TX

Eunice Project - N Eunice

Sample Id	Matrix	Date Collected	Sample Depth	Lab Sample Id
MW058	W	03.12.2021 08:28		691655-001
MW11A	W	03.12.2021 08:58		691655-002
MW032	W	03.12.2021 09:29		691655-003
MW002A	W	03.12.2021 09:54		691655-004
MW046A	W	03.12.2021 10:28		691655-005
MW045	W	03.12.2021 11:25		691655-006
MW001	W	03.12.2021 12:54		691655-007
Dup-8	W	03.12.2021 00:00		691655-008

CASE NARRATIVE

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Client Name: ARCADIS

Project Name: Eunice Project - N Eunice

Project ID: *30049577*
Work Order Number(s): *691655*

Report Date: *03.23.2021*
Date Received: *03.12.2021*

This laboratory is NELAC accredited under the Texas Laboratory Accreditation Program for all the methods, analytes, and matrices reported in this data package except as noted. The data have been reviewed and are technically compliant with the requirements of the methods used, except where noted by the laboratory.

Sample receipt non conformances and comments:

None

Sample receipt non conformances and comments per sample:

None

Analytical non conformances and comments:

Batch: LBA-3154164 (N) Dissolved Metals by SW6020A

Lab Sample ID 691655-001 was randomly selected for Matrix Spike/Matrix Spike Duplicate (MS/MSD). Chromium recovered above QC limits in the Matrix Spike and Matrix Spike Duplicate. Outlier/s are due to possible matrix interference. Samples in the analytical batch are: 691655-001, -002, -003, -004, -005, -006, -007, -008.

The Laboratory Control Sample for Chromium is within laboratory Control Limits, therefore the data was accepted.

Batch: LBA-3154288 Chloride by EPA 300

Lab Sample ID 691656-007 was randomly selected for Matrix Spike/Matrix Spike Duplicate (MS/MSD). Chloride recovered above QC limits in the Matrix Spike and Matrix Spike Duplicate. Outlier/s are due to possible matrix interference. Samples in the analytical batch are: 691655-001, -002, -003, -004, -005, -006, -007, -008.

The Laboratory Control Sample for Chloride is within laboratory Control Limits, therefore the data was accepted.

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Certificate of Analytical Results

691655

ARCADIS, Midland, TX

Eunice Project - N Eunice

Sample Id: **MW058** Matrix: Water Sample Depth:

Lab Sample Id: 691655-001 Date Collected: 03.12.2021 08:28 Date Received: 03.12.2021 17:05

Analytical Method: Chloride by EPA 300 Prep Method: E300P

Analyst: CHE % Moist:

Seq Number: 3154288 Date Prep: 03.19.2021 11:15 Tech: CHE

Prep seq: 7723762

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Chloride	16887-00-6	**1330**	25.0	1.05	mg/L	03.19.2021 12:28		50

Analytical Method: TDS by SM2540C Prep Method:

Analyst: DTH % Moist:

Seq Number: 3154062 Date Prep: Tech: DTH

Subcontractor: SUB: T104704221-20-18 Prep seq:

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Total Dissolved Solids	1642222	**1000**	25.0	25.0	mg/L	03.17.2021 15:00		1

Analytical Method: (N) Dissolved Metals by SW6020A Prep Method: 3010A

Analyst: DEP % Moist:

Seq Number: 3154164 Date Prep: 03.18.2021 10:30 Tech: DEP

Subcontractor: SUB: T104704215-20-39 Prep seq: 7723619

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Arsenic	7440-38-2	**0.0129**	0.00400	0.000246	mg/L	03.18.2021 18:19		1
Chromium	7440-47-3	**3.64**	0.0800	0.0105	mg/L	03.19.2021 18:49	DX	20
Iron	7439-89-6	<0.0227	0.100	0.0227	mg/L	03.18.2021 18:19	U	1
Manganese	7439-96-5	**0.000515**	0.00200	0.000199	mg/L	03.19.2021 18:40	J	1

Analytical Method: Chromium, Hexavalent by SW 7196A Prep Method:

Analyst: SPC % Moist:

Seq Number: 3153857 Date Prep: Tech: SPC

Prep seq:

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Chromium, Hexavalent	18540-29-9	**3.93**	0.200	0.0545	mg/L	03.12.2021 19:02		20

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Certificate of Analytical Results
691655
ARCADIS, Midland, TX
Eunice Project - N Eunice

Sample Id: **MW11A** Matrix: Water Sample Depth:

Lab Sample Id: 691655-002 Date Collected: 03.12.2021 08:58 Date Received: 03.12.2021 17:05

Analytical Method: Chloride by EPA 300 Prep Method: E300P

Analyst: CHE % Moist:

Seq Number: 3154288 Date Prep: 03.19.2021 11:15 Tech: CHE

Prep seq: 7723762

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Chloride	16887-00-6	**488**	5.00	0.210	mg/L	03.19.2021 12:11	X	10

Analytical Method: TDS by SM2540C Prep Method:

Analyst: DTH % Moist:

Seq Number: 3154062 Date Prep: Tech: DTH

Subcontractor: SUB: T104704221-20-18 Prep seq:

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Total Dissolved Solids	1642222	**786**	25.0	25.0	mg/L	03.17.2021 15:00		1

Analytical Method: (N) Dissolved Metals by SW6020A Prep Method: 3010A

Analyst: DEP % Moist:

Seq Number: 3154164 Date Prep: 03.18.2021 10:30 Tech: DEP

Subcontractor: SUB: T104704215-20-39 Prep seq: 7723619

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Arsenic	7440-38-2	**0.0142**	0.00400	0.000246	mg/L	03.18.2021 18:39		1
Chromium	7440-47-3	**0.0459**	0.00400	0.000525	mg/L	03.18.2021 18:39		1
Iron	7439-89-6	<0.0227	0.100	0.0227	mg/L	03.18.2021 18:39	U	1
Manganese	7439-96-5	**0.0475**	0.00200	0.000199	mg/L	03.19.2021 19:03		1

Analytical Method: Chromium, Hexavalent by SW 7196A Prep Method:

Analyst: SPC % Moist:

Seq Number: 3153857 Date Prep: Tech: SPC

Prep seq:

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Chromium, Hexavalent	18540-29-9	**0.0386**	0.0100	0.00273	mg/L	03.12.2021 19:02		1

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Certificate of Analytical Results
691655
ARCADIS, Midland, TX
Eunice Project - N Eunice

Sample Id: **MW032** Matrix: Water Sample Depth:

Lab Sample Id: 691655-003 Date Collected: 03.12.2021 09:29 Date Received: 03.12.2021 17:05

Analytical Method: Chloride by EPA 300 Prep Method: E300P

Analyst: CHE % Moist:

Seq Number: 3154288 Date Prep: 03.19.2021 11:15 Tech: CHE

Prep seq: 7723762

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Chloride	16887-00-6	**343**	5.00	0.210	mg/L	03.19.2021 12:34		10

Analytical Method: TDS by SM2540C Prep Method:

Analyst: DTH % Moist:

Seq Number: 3154062 Date Prep: Tech: DTH

Subcontractor: SUB: T104704221-20-18 Prep seq:

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Total Dissolved Solids	1642222	**1700**	25.0	25.0	mg/L	03.17.2021 15:00		1

Analytical Method: (N) Dissolved Metals by SW6020A Prep Method: 3010A

Analyst: DEP % Moist:

Seq Number: 3154164 Date Prep: 03.18.2021 10:30 Tech: DEP

Subcontractor: SUB: T104704215-20-39 Prep seq: 7723619

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Arsenic	7440-38-2	**0.00333**	0.00400	0.000246	mg/L	03.18.2021 18:42	J	1
Chromium	7440-47-3	**0.00394**	0.00400	0.000525	mg/L	03.18.2021 18:42	J	1
Iron	7439-89-6	<0.0227	0.100	0.0227	mg/L	03.18.2021 18:42	U	1
Manganese	7439-96-5	<0.000199	0.00200	0.000199	mg/L	03.19.2021 19:06	U	1

Analytical Method: Chromium, Hexavalent by SW 7196A Prep Method:

Analyst: SPC % Moist:

Seq Number: 3153857 Date Prep: Tech: SPC

Prep seq:

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Chromium, Hexavalent	18540-29-9	<0.00273	0.0100	0.00273	mg/L	03.12.2021 19:02	U	1

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Certificate of Analytical Results
691655
ARCADIS, Midland, TX
Eunice Project - N Eunice

Sample Id: **MW002A** Matrix: Water Sample Depth:

Lab Sample Id: 691655-004 Date Collected: 03.12.2021 09:54 Date Received: 03.12.2021 17:05

Analytical Method: Chloride by EPA 300 Prep Method: E300P

Analyst: CHE % Moist:

Seq Number: 3154288 Date Prep: 03.19.2021 11:15 Tech: CHE

Prep seq: 7723762

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Chloride	16887-00-6	**1940**	25.0	1.05	mg/L	03.19.2021 12:39		50

Analytical Method: TDS by SM2540C Prep Method:

Analyst: DTH % Moist:

Seq Number: 3154062 Date Prep: Tech: DTH

Subcontractor: SUB: T104704221-20-18 Prep seq:

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Total Dissolved Solids	1642222	**1760**	25.0	25.0	mg/L	03.17.2021 15:00		1

Analytical Method: (N) Dissolved Metals by SW6020A Prep Method: 3010A

Analyst: DEP % Moist:

Seq Number: 3154164 Date Prep: 03.18.2021 10:30 Tech: DEP

Subcontractor: SUB: T104704215-20-39 Prep seq: 7723619

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Arsenic	7440-38-2	**0.0172**	0.00400	0.000246	mg/L	03.18.2021 18:45		1
Chromium	7440-47-3	**0.848**	0.00400	0.000525	mg/L	03.18.2021 18:45		1
Iron	7439-89-6	<0.0227	0.100	0.0227	mg/L	03.18.2021 18:45	U	1
Manganese	7439-96-5	**0.0190**	0.00200	0.000199	mg/L	03.19.2021 19:09		1

Analytical Method: Chromium, Hexavalent by SW 7196A Prep Method:

Analyst: SPC % Moist:

Seq Number: 3153857 Date Prep: Tech: SPC

Prep seq:

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Chromium, Hexavalent	18540-29-9	**0.828**	0.200	0.0545	mg/L	03.12.2021 19:02		20

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Certificate of Analytical Results
691655
ARCADIS, Midland, TX
Eunice Project - N Eunice

Sample Id: **MW046A** Matrix: Water Sample Depth:

Lab Sample Id: 691655-005 Date Collected: 03.12.2021 10:28 Date Received: 03.12.2021 17:05

Analytical Method: Chloride by EPA 300 Prep Method: E300P

Analyst: CHE % Moist:

Seq Number: 3154288 Date Prep: 03.19.2021 11:15 Tech: CHE

Prep seq: 7723762

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Chloride	16887-00-6	**741**	10.0	0.421	mg/L	03.19.2021 12:45		20

Analytical Method: TDS by SM2540C Prep Method:

Analyst: DTH % Moist:

Seq Number: 3154062 Date Prep: Tech: DTH

Subcontractor: SUB: T104704221-20-18 Prep seq:

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Total Dissolved Solids	1642222	**912**	25.0	25.0	mg/L	03.17.2021 15:00		1

Analytical Method: (N) Dissolved Metals by SW6020A Prep Method: 3010A

Analyst: DEP % Moist:

Seq Number: 3154164 Date Prep: 03.18.2021 10:30 Tech: DEP

Subcontractor: SUB: T104704215-20-39 Prep seq: 7723619

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Arsenic	7440-38-2	**0.00988**	0.00400	0.000246	mg/L	03.18.2021 18:48		1
Chromium	7440-47-3	**1.96**	0.00400	0.000525	mg/L	03.18.2021 18:48		1
Iron	7439-89-6	<0.0227	0.100	0.0227	mg/L	03.18.2021 18:48	U	1
Manganese	7439-96-5	**0.000224**	0.00200	0.000199	mg/L	03.19.2021 19:12	J	1

Analytical Method: Chromium, Hexavalent by SW 7196A Prep Method:

Analyst: SPC % Moist:

Seq Number: 3153857 Date Prep: Tech: SPC

Prep seq:

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Chromium, Hexavalent	18540-29-9	**2.05**	0.200	0.0545	mg/L	03.12.2021 19:02		20

eurofins | Environment Testing Xenco

Certificate of Analytical Results
691655
ARCADIS, Midland, TX
Eunice Project - N Eunice

Sample Id: **MW046A** Matrix: Water Sample Depth:

Lab Sample Id: 691655-005 Date Collected: 03.12.2021 10:28 Date Received: 03.12.2021 17:05

Analytical Method: TPH By SW8015 Mod Prep Method: 8015

Analyst: ARM % Moist:

Seq Number: 3154388 Date Prep: 03.19.2021 12:00 Tech: ARM

Prep seq: 7723822

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Gasoline Range Hydrocarbons	PHC610	<0.871	2.20	0.871	mg/L	03.21.2021 18:28	U	1
Diesel Range Organics	C10C28DRO	<0.805	2.20	0.805	mg/L	03.21.2021 18:28	U	1
Oil Range Hydrocarbons	PHCG2835	<0.805	2.20	0.805	mg/L	03.21.2021 18:28	U	1
Total TPH	PHC635	<0.805	2.20	0.805	mg/L	03.21.2021 18:28	U	1

Surrogate	% Recovery	Limits	Units	Analysis Date	Flag
1-Chlorooctane	92	70 - 135	%		
o-Terphenyl	84	70 - 135	%		

Analytical Method: BTEX by EPA 8021B Prep Method: 5030B

Analyst: KTL % Moist:

Seq Number: 3154455 Date Prep: 03.22.2021 15:00 Tech: KTL

Prep seq: 7723847

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Benzene	71-43-2	<0.000408	0.00200	0.000408	mg/L	03.22.2021 19:55	U	1
Toluene	108-88-3	<0.000367	0.00200	0.000367	mg/L	03.22.2021 19:55	U	1
Ethylbenzene	100-41-4	<0.000657	0.00200	0.000657	mg/L	03.22.2021 19:55	U	1
m,p-Xylenes	179601-23-1	<0.000630	0.00400	0.000630	mg/L	03.22.2021 19:55	U	1
o-Xylene	95-47-6	<0.000642	0.00200	0.000642	mg/L	03.22.2021 19:55	U	1
Total Xylenes	1330-20-7	<0.000630	0.00200	0.000630	mg/L	03.22.2021 19:55	U	1
Total BTEX		<0.000367	0.00200	0.000367	mg/L	03.22.2021 19:55	U	1

Surrogate	% Recovery	Limits	Units	Analysis Date	Flag
1,4-Difluorobenzene	117	70 - 130	%		
4-Bromofluorobenzene	113	70 - 130	%		

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Certificate of Analytical Results
691655
ARCADIS, Midland, TX
Eunice Project - N Eunice

Sample Id: **MW045** Matrix: Water Sample Depth:

Lab Sample Id: 691655-006 Date Collected: 03.12.2021 11:25 Date Received: 03.12.2021 17:05

Analytical Method: Chloride by EPA 300 Prep Method: E300P

Analyst: CHE % Moist:

Seq Number: 3154288 Date Prep: 03.19.2021 11:15 Tech: CHE

Prep seq: 7723762

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Chloride	16887-00-6	**68.9**	5.00	0.210	mg/L	03.19.2021 13:01		10

Analytical Method: TDS by SM2540C Prep Method:

Analyst: DTH % Moist:

Seq Number: 3154179 Date Prep: Tech: DTH

Subcontractor: SUB: T104704221-20-18 Prep seq:

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Total Dissolved Solids	1642222	**1270**	25.0	25.0	mg/L	03.18.2021 15:00		1

Analytical Method: (N) Dissolved Metals by SW6020A Prep Method: 3010A

Analyst: DEP % Moist:

Seq Number: 3154164 Date Prep: 03.18.2021 10:30 Tech: DEP

Subcontractor: SUB: T104704215-20-39 Prep seq: 7723619

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Arsenic	7440-38-2	**0.00205**	0.00400	0.000246	mg/L	03.18.2021 18:50	J	1
Chromium	7440-47-3	**0.0119**	0.00400	0.000525	mg/L	03.18.2021 18:50		1
Iron	7439-89-6	<0.0227	0.100	0.0227	mg/L	03.18.2021 18:50	U	1
Manganese	7439-96-5	**0.112**	0.00200	0.000199	mg/L	03.19.2021 19:15		1

Analytical Method: Chromium, Hexavalent by SW 7196A Prep Method:

Analyst: SPC % Moist:

Seq Number: 3153857 Date Prep: Tech: SPC

Prep seq:

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Chromium, Hexavalent	18540-29-9	<0.00273	0.0100	0.00273	mg/L	03.12.2021 19:02	U	1

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Certificate of Analytical Results
691655
ARCADIS, Midland, TX
Eunice Project - N Eunice

Sample Id: **MW045** Matrix: Water Sample Depth:

Lab Sample Id: 691655-006 Date Collected: 03.12.2021 11:25 Date Received: 03.12.2021 17:05

Analytical Method: TPH By SW8015 Mod Prep Method: 8015

Analyst: ARM % Moist:

Seq Number: 3154388 Date Prep: 03.19.2021 12:00 Tech: ARM

Prep seq: 7723822

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Gasoline Range Hydrocarbons	PHC610	<0.874	2.21	0.874	mg/L	03.21.2021 19:33	U	1
Diesel Range Organics	C10C28DRO	<0.808	2.21	0.808	mg/L	03.21.2021 19:33	U	1
Oil Range Hydrocarbons	PHCG2835	<0.808	2.21	0.808	mg/L	03.21.2021 19:33	U	1
Total TPH	PHC635	<0.808	2.21	0.808	mg/L	03.21.2021 19:33	U	1

Surrogate	% Recovery	Limits	Units	Analysis Date	Flag
1-Chlorooctane	83	70 - 135	%		
o-Terphenyl	78	70 - 135	%		

Analytical Method: BTEX by EPA 8021B Prep Method: 5030B

Analyst: KTL % Moist:

Seq Number: 3154455 Date Prep: 03.22.2021 15:00 Tech: KTL

Prep seq: 7723847

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Benzene	71-43-2	<0.000408	0.00200	0.000408	mg/L	03.22.2021 20:21	U	1
Toluene	108-88-3	<0.000367	0.00200	0.000367	mg/L	03.22.2021 20:21	U	1
Ethylbenzene	100-41-4	<0.000657	0.00200	0.000657	mg/L	03.22.2021 20:21	U	1
m,p-Xylenes	179601-23-1	<0.000630	0.00400	0.000630	mg/L	03.22.2021 20:21	U	1
o-Xylene	95-47-6	<0.000642	0.00200	0.000642	mg/L	03.22.2021 20:21	U	1
Total Xylenes	1330-20-7	<0.000630	0.00200	0.000630	mg/L	03.22.2021 20:21	U	1
Total BTEX		<0.000367	0.00200	0.000367	mg/L	03.22.2021 20:21	U	1

Surrogate	% Recovery	Limits	Units	Analysis Date	Flag
1,4-Difluorobenzene	116	70 - 130	%		
4-Bromofluorobenzene	107	70 - 130	%		

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Certificate of Analytical Results
691655
ARCADIS, Midland, TX
Eunice Project - N Eunice

Sample Id: **MW001** Matrix: Water Sample Depth:

Lab Sample Id: 691655-007 Date Collected: 03.12.2021 12:54 Date Received: 03.12.2021 17:05

Analytical Method: Chloride by EPA 300 Prep Method: E300P

Analyst: CHE % Moist:

Seq Number: 3154288 Date Prep: 03.19.2021 11:15 Tech: CHE

Prep seq: 7723762

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Chloride	16887-00-6	**319**	10.0	0.421	mg/L	03.19.2021 13:07		20

Analytical Method: TDS by SM2540C Prep Method:

Analyst: DTH % Moist:

Seq Number: 3154179 Date Prep: Tech: DTH

Subcontractor: SUB: T104704221-20-18 Prep seq:

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Total Dissolved Solids	1642222	**2570**	50.0	50.0	mg/L	03.18.2021 15:00		1

Analytical Method: (N) Dissolved Metals by SW6020A Prep Method: 3010A

Analyst: DEP % Moist:

Seq Number: 3154164 Date Prep: 03.18.2021 10:30 Tech: DEP

Subcontractor: SUB: T104704215-20-39 Prep seq: 7723619

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Arsenic	7440-38-2	**0.00184**	0.00400	0.000246	mg/L	03.18.2021 18:53	J	1
Chromium	7440-47-3	**0.0563**	0.00400	0.000525	mg/L	03.18.2021 18:53		1
Iron	7439-89-6	**0.0403**	0.100	0.0227	mg/L	03.18.2021 18:53	J	1
Manganese	7439-96-5	**1.12**	0.0200	0.00199	mg/L	03.23.2021 12:21	D	10

Analytical Method: Chromium, Hexavalent by SW 7196A Prep Method:

Analyst: SPC % Moist:

Seq Number: 3153857 Date Prep: Tech: SPC

Prep seq:

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Chromium, Hexavalent	18540-29-9	**0.0135**	0.0100	0.00273	mg/L	03.12.2021 19:02		1

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Certificate of Analytical Results
691655
ARCADIS, Midland, TX
Eunice Project - N Eunice

Sample Id: **MW001** Matrix: Water Sample Depth:

Lab Sample Id: 691655-007 Date Collected: 03.12.2021 12:54 Date Received: 03.12.2021 17:05

Analytical Method: TPH By SW8015 Mod Prep Method: 8015

Analyst: ARM % Moist:

Seq Number: 3154388 Date Prep: 03.19.2021 12:00 Tech: ARM

Prep seq: 7723822

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Gasoline Range Hydrocarbons	PHC610	<0.887	2.25	0.887	mg/L	03.21.2021 19:55	U	1
Diesel Range Organics	C10C28DRO	<0.820	2.25	0.820	mg/L	03.21.2021 19:55	U	1
Oil Range Hydrocarbons	PHCG2835	<0.820	2.25	0.820	mg/L	03.21.2021 19:55	U	1
Total TPH	PHC635	<0.820	2.25	0.820	mg/L	03.21.2021 19:55	U	1

Surrogate	% Recovery	Limits	Units	Analysis Date	Flag
1-Chlorooctane	104	70 - 135	%		
o-Terphenyl	97	70 - 135	%		

Analytical Method: BTEX by EPA 8021B Prep Method: 5030B

Analyst: KTL % Moist:

Seq Number: 3154455 Date Prep: 03.22.2021 15:00 Tech: KTL

Prep seq: 7723847

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Benzene	71-43-2	<0.000408	0.00200	0.000408	mg/L	03.22.2021 20:46	U	1
Toluene	108-88-3	<0.000367	0.00200	0.000367	mg/L	03.22.2021 20:46	U	1
Ethylbenzene	100-41-4	<0.000657	0.00200	0.000657	mg/L	03.22.2021 20:46	U	1
m,p-Xylenes	179601-23-1	<0.000630	0.00400	0.000630	mg/L	03.22.2021 20:46	U	1
o-Xylene	95-47-6	<0.000642	0.00200	0.000642	mg/L	03.22.2021 20:46	U	1
Total Xylenes	1330-20-7	<0.000630	0.00200	0.000630	mg/L	03.22.2021 20:46	U	1
Total BTEX		<0.000367	0.00200	0.000367	mg/L	03.22.2021 20:46	U	1

Surrogate	% Recovery	Limits	Units	Analysis Date	Flag
1,4-Difluorobenzene	118	70 - 130	%		
4-Bromofluorobenzene	119	70 - 130	%		

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691655
ARCADIS, Midland, TX
Eunice Project - N Eunice

Sample Id: **Dup-8** Matrix: Water Sample Depth:

Lab Sample Id: 691655-008 Date Collected: 03.12.2021 00:00 Date Received: 03.12.2021 17:05

Analytical Method: Chloride by EPA 300 Prep Method: E300P

Analyst: CHE % Moist:

Seq Number: 3154288 Date Prep: 03.19.2021 11:15 Tech: CHE

Prep seq: 7723762

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Chloride	16887-00-6	**1580**	25.0	1.05	mg/L	03.19.2021 13:12		50

Analytical Method: TDS by SM2540C Prep Method:

Analyst: DTH % Moist:

Seq Number: 3154179 Date Prep: Tech: DTH

Subcontractor: SUB: T104704221-20-18 Prep seq:

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Total Dissolved Solids	1642222	**3050**	50.0	50.0	mg/L	03.18.2021 15:00		1

Analytical Method: (N) Dissolved Metals by SW6020A Prep Method: 3010A

Analyst: DEP % Moist:

Seq Number: 3154164 Date Prep: 03.18.2021 10:30 Tech: DEP

Subcontractor: SUB: T104704215-20-39 Prep seq: 7723619

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Arsenic	7440-38-2	**0.0174**	0.00400	0.000246	mg/L	03.18.2021 18:56		1
Chromium	7440-47-3	**0.826**	0.00400	0.000525	mg/L	03.18.2021 18:56		1
Iron	7439-89-6	<0.0227	0.100	0.0227	mg/L	03.18.2021 18:56	U	1
Manganese	7439-96-5	**0.0195**	0.00200	0.000199	mg/L	03.19.2021 19:20		1

Analytical Method: Chromium, Hexavalent by SW 7196A Prep Method:

Analyst: SPC % Moist:

Seq Number: 3153857 Date Prep: Tech: SPC

Prep seq:

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Chromium, Hexavalent	18540-29-9	**0.780**	0.200	0.0545	mg/L	03.12.2021 19:02		20

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Eunice Project - N Eunice

Sample Id: **3153857-1-BLK** Matrix: Water Sample Depth:
Lab Sample Id: 3153857-1-BLK Date Collected: Date Received:
Analytical Method: Chromium, Hexavalent by SW 7196A Prep Method:
Analyst: SPC % Moist:
Seq Number: 3153857 Date Prep: Tech: SPC
Prep seq:

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Chromium, Hexavalent	18540-29-9	<0.00273	0.0100	0.00273	mg/L	03.12.2021 19:02	U	1

Sample Id: **3154062-1-BLK** Matrix: Water Sample Depth:
Lab Sample Id: 3154062-1-BLK Date Collected: Date Received:
Analytical Method: TDS by SM2540C Prep Method:
Analyst: DTH % Moist:
Seq Number: 3154062 Date Prep: Tech: DTH
Subcontractor: SUB: T104704221-20-18 Prep seq:

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Total Dissolved Solids	1642222	<25.0	25.0	25.0	mg/L	03.17.2021 15:00	U	1

Sample Id: **3154179-1-BLK** Matrix: Water Sample Depth:
Lab Sample Id: 3154179-1-BLK Date Collected: Date Received:
Analytical Method: TDS by SM2540C Prep Method:
Analyst: DTH % Moist:
Seq Number: 3154179 Date Prep: Tech: DTH
Subcontractor: SUB: T104704221-20-18 Prep seq:

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Total Dissolved Solids	1642222	<12.5	12.5	12.5	mg/L	03.18.2021 15:00	U	1

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Certificate of Analytical Results
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ARCADIS, Midland, TX
Eunice Project - N Eunice

Sample Id: **7723619-1-BLK** Matrix: Water Sample Depth:
Lab Sample Id: 7723619-1-BLK Date Collected: Date Received:
Analytical Method: (N) Dissolved Metals by SW6020A Prep Method: 3010A
Analyst: DEP % Moist:
Seq Number: 3154164 Date Prep: 03.18.2021 10:30 Tech: DEP
Subcontractor: SUB: T104704215-20-39 Prep seq: 7723619

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Arsenic	7440-38-2	<0.000246	0.00400	0.000246	mg/L	03.18.2021 18:11	U	1
Chromium	7440-47-3	<0.000525	0.00400	0.000525	mg/L	03.18.2021 18:11	U	1
Iron	7439-89-6	<0.0227	0.100	0.0227	mg/L	03.18.2021 18:11	U	1
Manganese	7439-96-5	<0.000199	0.00200	0.000199	mg/L	03.18.2021 18:11	U	1

Sample Id: **7723762-1-BLK** Matrix: Water Sample Depth:
Lab Sample Id: 7723762-1-BLK Date Collected: Date Received:
Analytical Method: Chloride by EPA 300 Prep Method: E300P
Analyst: CHE % Moist:
Seq Number: 3154288 Date Prep: 03.19.2021 11:15 Tech: CHE
Prep seq: 7723762

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Chloride	16887-00-6	<0.0210	0.500	0.0210	mg/L	03.19.2021 11:21	U	1

Sample Id: **7723822-1-BLK** Matrix: Water Sample Depth:
Lab Sample Id: 7723822-1-BLK Date Collected: Date Received:
Analytical Method: TPH By SW8015 Mod Prep Method: 8015
Analyst: ARM % Moist:
Seq Number: 3154388 Date Prep: 03.19.2021 12:00 Tech: ARM
Prep seq: 7723822

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Gasoline Range Hydrocarbons	PHC610	<0.894	2.26	0.894	mg/L	03.21.2021 17:23	U	1
Diesel Range Organics	C10C28DRO	<0.826	2.26	0.826	mg/L	03.21.2021 17:23	U	1
Oil Range Hydrocarbons	PHCG2835	<0.826	2.26	0.826	mg/L	03.21.2021 17:23	U	1

Surrogate	% Recovery	Limits	Units	Analysis Date	Flag
1-Chlorooctane	100	70 - 135	%		
o-Terphenyl	94	70 - 135	%		

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Certificate of Analytical Results
691655
ARCADIS, Midland, TX
Eunice Project - N Eunice

Sample Id: **7723847-1-BLK** Matrix: Water Sample Depth:

Lab Sample Id: 7723847-1-BLK Date Collected: Date Received:

Analytical Method: BTEX by EPA 8021B Prep Method: 5030B

Analyst: KTL % Moist:

Seq Number: 3154455 Date Prep: 03.22.2021 15:00 Tech: KTL

Prep seq: 7723847

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Benzene	71-43-2	<0.000408	0.00200	0.000408	mg/L	03.22.2021 18:15	U	1
Toluene	108-88-3	<0.000367	0.00200	0.000367	mg/L	03.22.2021 18:15	U	1
Ethylbenzene	100-41-4	<0.000657	0.00200	0.000657	mg/L	03.22.2021 18:15	U	1
m,p-Xylenes	179601-23-1	<0.000630	0.00400	0.000630	mg/L	03.22.2021 18:15	U	1
o-Xylene	95-47-6	<0.000642	0.00200	0.000642	mg/L	03.22.2021 18:15	U	1

Surrogate	% Recovery	Limits	Units	Analysis Date	Flag
1,4-Difluorobenzene	91	70 - 130	%		
4-Bromofluorobenzene	80	70 - 130	%		

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Flagging Criteria

X In our quality control review of the data a QC deficiency was observed and flagged as noted. MS/MSD recoveries were found to be outside of the laboratory control limits due to possible matrix /chemical interference, or a concentration of target analyte high enough to affect the recovery of the spike concentration. This condition could also affect the relative percent difference in the MS/MSD.

B A target analyte or common laboratory contaminant was identified in the method blank. Its presence indicates possible field or laboratory contamination.

D The sample(s) were diluted due to targets detected over the highest point of the calibration curve, or due to matrix interference. Dilution factors are included in the final results. The result is from a diluted sample.

E The data exceeds the upper calibration limit; therefore, the concentration is reported as estimated.

F RPD exceeded lab control limits.

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

U Analyte was not detected.

L The LCS data for this analytical batch was reported below the laboratory control limits for this analyte. The department supervisor and QA Director reviewed data. The samples were either reanalyzed or flagged as estimated concentrations.

H The LCS data for this analytical batch was reported above the laboratory control limits. Supporting QC Data were reviewed by the Department Supervisor and QA Director. Data were determined to be valid for reporting.

K Sample analyzed outside of recommended hold time.

JN A combination of the "N" and the "J" qualifier. The analysis indicates that the analyte is "tentatively identified" and the associated numerical value may not be consistent with the amount actually present in the environmental sample.

** Surrogate recovered outside laboratory control limit.

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

RL Reporting Limit

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

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

DL Method Detection Limit

NC Non-Calculable

SMP Client Sample **BLK** Method Blank

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

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

+ NELAC certification not offered for this compound.

* (Next to analyte name or method description) = Outside XENCO's scope of NELAC accreditation

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Form 2 - Surrogate Recoveries

Project Name: Eunice Project - N Eunice

Report Date: 03232021

Work Orders : 691655 **Project ID:** 30049577

Lab Batch #: 3154455 **Sample:** 7723847-1-BKS / BKS **Batch:** 1 **Matrix:** Water

Units: mg/L **Date Analyzed:** 03.22.2021 14:52 **SURROGATE RECOVERY STUDY**

BTEX by EPA 8021B Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1,4-Difluorobenzene	0.0339	0.0300	113	70-130	
4-Bromofluorobenzene	0.0303	0.0300	101	70-130	

Lab Batch #: 3154455 **Sample:** 7723847-1-BSD / BSD **Batch:** 1 **Matrix:** Water

Units: mg/L **Date Analyzed:** 03.22.2021 16:08 **SURROGATE RECOVERY STUDY**

BTEX by EPA 8021B Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1,4-Difluorobenzene	0.0348	0.0300	116	70-130	
4-Bromofluorobenzene	0.0357	0.0300	119	70-130	

Lab Batch #: 3154455 **Sample:** 691739-001 S / MS **Batch:** 1 **Matrix:** Ground Water

Units: mg/L **Date Analyzed:** 03.22.2021 16:33 **SURROGATE RECOVERY STUDY**

BTEX by EPA 8021B Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1,4-Difluorobenzene	0.0362	0.0300	121	70-130	
4-Bromofluorobenzene	0.0333	0.0300	111	70-130	

Lab Batch #: 3154455 **Sample:** 691739-001 SD / MSD **Batch:** 1 **Matrix:** Ground Water

Units: mg/L **Date Analyzed:** 03.22.2021 16:58 **SURROGATE RECOVERY STUDY**

BTEX by EPA 8021B Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1,4-Difluorobenzene	0.0367	0.0300	122	70-130	
4-Bromofluorobenzene	0.0353	0.0300	118	70-130	

Lab Batch #: 3154455 **Sample:** 7723847-1-BLK / BLK **Batch:** 1 **Matrix:** Water

Units: mg/L **Date Analyzed:** 03.22.2021 18:15 **SURROGATE RECOVERY STUDY**

BTEX by EPA 8021B Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1,4-Difluorobenzene	0.0273	0.0300	91	70-130	
4-Bromofluorobenzene	0.0240	0.0300	80	70-130	

* Surrogate outside of Laboratory QC limits
** Surrogates outside limits; data and surrogates confirmed by reanalysis
*** Poor recoveries due to dilution
Surrogate Recovery [D] = 100 * A / B
All results are based on MDL and validated for QC purposes.

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Form 2 - Surrogate Recoveries

Project Name: Eunice Project - N Eunice

Report Date: 03232021

Work Orders : 691655 **Project ID:** 30049577

Lab Batch #: 3154388 **Sample:** 7723822-1-BLK / BLK **Batch:** 1 **Matrix:** Water

Units: mg/L **Date Analyzed:** 03.21.2021 17:23 **SURROGATE RECOVERY STUDY**

TPH By SW8015 Mod Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1-Chlorooctane	9.01	9.05	100	70-135	
o-Terphenyl	4.23	4.52	94	70-135	

Lab Batch #: 3154388 **Sample:** 7723822-1-BKS / BKS **Batch:** 1 **Matrix:** Water

Units: mg/L **Date Analyzed:** 03.21.2021 17:45 **SURROGATE RECOVERY STUDY**

TPH By SW8015 Mod Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1-Chlorooctane	12.1	9.04	134	70-135	
o-Terphenyl	5.03	4.52	111	70-135	

Lab Batch #: 3154388 **Sample:** 7723822-1-BSD / BSD **Batch:** 1 **Matrix:** Water

Units: mg/L **Date Analyzed:** 03.21.2021 18:06 **SURROGATE RECOVERY STUDY**

TPH By SW8015 Mod Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1-Chlorooctane	10.5	9.05	116	70-135	
o-Terphenyl	4.35	4.53	96	70-135	

Lab Batch #: 3154388 **Sample:** 691655-005 S / MS **Batch:** 1 **Matrix:** Water

Units: mg/L **Date Analyzed:** 03.21.2021 18:50 **SURROGATE RECOVERY STUDY**

TPH By SW8015 Mod Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1-Chlorooctane	8.33	8.90	94	70-135	
o-Terphenyl	3.54	4.45	80	70-135	

Lab Batch #: 3154388 **Sample:** 691655-005 SD / MSD **Batch:** 1 **Matrix:** Water

Units: mg/L **Date Analyzed:** 03.21.2021 19:11 **SURROGATE RECOVERY STUDY**

TPH By SW8015 Mod Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1-Chlorooctane	7.07	8.94	79	70-135	
o-Terphenyl	3.13	4.47	70	70-135	

* Surrogate outside of Laboratory QC limits
** Surrogates outside limits; data and surrogates confirmed by reanalysis
*** Poor recoveries due to dilution
Surrogate Recovery [D] = 100 * A / B
All results are based on MDL and validated for QC purposes.

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BS / BSD Recoveries

Project Name: Eunice Project - N Eunice

Work Order #: 691655 **Project ID:** 30049577

Analyst: KTL **Date Prepared:** 03.22.2021 **Date Analyzed:** 03.22.2021

Lab Batch ID: 3154455 **Sample:** 7723847-1-BKS **Batch #:** 1 **Matrix:** Water

Units: mg/L

BLANK /BLANK SPIKE / BLANK SPIKE DUPLICATE RECOVERY STUDY

BTEX by EPA 8021B Analytes	Blank Sample Result [A]	Spike Added [B]	Blank Spike Result [C]	Blank Spike %R [D]	Spike Added [E]	Blank Spike Duplicate Result [F]	Blk. Spk Dup. %R [G]	RPD %	Control Limits %R	Control Limits %RPD	Flag
Benzene	<0.000408	0.100	0.101	101	0.100	0.106	106	5	70-130	25	
Toluene	<0.000367	0.100	0.0991	99	0.100	0.104	104	5	70-130	25	
Ethylbenzene	<0.000657	0.100	0.0981	98	0.100	0.102	102	4	70-130	25	
m,p-Xylenes	<0.000630	0.200	0.200	100	0.200	0.207	104	3	70-130	25	
o-Xylene	<0.000642	0.100	0.0984	98	0.100	0.105	105	6	70-130	25	

Analyst: CHE **Date Prepared:** 03.19.2021 **Date Analyzed:** 03.19.2021

Lab Batch ID: 3154288 **Sample:** 7723762-1-BKS **Batch #:** 1 **Matrix:** Water

Units: mg/L

BLANK /BLANK SPIKE / BLANK SPIKE DUPLICATE RECOVERY STUDY

Chloride by EPA 300 Analytes	Blank Sample Result [A]	Spike Added [B]	Blank Spike Result [C]	Blank Spike %R [D]	Spike Added [E]	Blank Spike Duplicate Result [F]	Blk. Spk Dup. %R [G]	RPD %	Control Limits %R	Control Limits %RPD	Flag
Chloride	<0.0210	25.0	25.0	100	25.0	25.0	100	0	90-110	20	

Relative Percent Difference RPD = 200*|(C-F)/(C+F)|
Blank Spike Recovery [D] = 100*(C)/[B]
Blank Spike Duplicate Recovery [G] = 100*(F)/[E]
All results are based on MDL and Validated for QC Purposes

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BS / BSD Recoveries

Project Name: Eunice Project - N Eunice

Work Order #: 691655 **Project ID:** 30049577

Analyst: SPC **Date Prepared:** 03.12.2021 **Date Analyzed:** 03.12.2021

Lab Batch ID: 3153857 **Sample:** 3153857-1-BKS **Batch #:** 1 **Matrix:** Water

Units: mg/L

BLANK /BLANK SPIKE / BLANK SPIKE DUPLICATE RECOVERY STUDY

Chromium, Hexavalent by SW 7196A Analytes	Blank Sample Result [A]	Spike Added [B]	Blank Spike Result [C]	Blank Spike %R [D]	Spike Added [E]	Blank Spike Duplicate Result [F]	Blk. Spk Dup. %R [G]	RPD %	Control Limits %R	Control Limits %RPD	Flag
Chromium, Hexavalent	<0.00273	0.0400	0.0450	113	0.0400	0.0453	113	1	85-115	20	

Analyst: DEP **Date Prepared:** 03.18.2021 **Date Analyzed:** 03.18.2021

Lab Batch ID: 3154164 **Sample:** 7723619-1-BKS **Batch #:** 1 **Matrix:** Water

Units: mg/L

BLANK /BLANK SPIKE / BLANK SPIKE DUPLICATE RECOVERY STUDY

(N) Dissolved Metals by SW6020A Analytes	Blank Sample Result [A]	Spike Added [B]	Blank Spike Result [C]	Blank Spike %R [D]	Spike Added [E]	Blank Spike Duplicate Result [F]	Blk. Spk Dup. %R [G]	RPD %	Control Limits %R	Control Limits %RPD	Flag
Arsenic	<0.000246	0.100	0.0958	96	0.100	0.0979	98	2	80-120	20	
Chromium	<0.000525	0.100	0.0946	95	0.100	0.0966	97	2	80-120	20	
Iron	<0.0227	0.500	0.467	93	0.500	0.477	95	2	80-120	20	
Manganese	<0.000199	0.100	0.0941	94	0.100	0.0962	96	2	80-120	20	

Analyst: DTH **Date Prepared:** 03.17.2021 **Date Analyzed:** 03.17.2021

Lab Batch ID: 3154062 **Sample:** 3154062-1-BKS **Batch #:** 1 **Matrix:** Water

Units: mg/L

BLANK /BLANK SPIKE / BLANK SPIKE DUPLICATE RECOVERY STUDY

TDS by SM2540C Analytes	Blank Sample Result [A]	Spike Added [B]	Blank Spike Result [C]	Blank Spike %R [D]	Spike Added [E]	Blank Spike Duplicate Result [F]	Blk. Spk Dup. %R [G]	RPD %	Control Limits %R	Control Limits %RPD	Flag
Total Dissolved Solids	<25.0	1000	1020	102	1000	1010	101	1	90-110	10	

Relative Percent Difference RPD = 200*|(C-F)/(C+F)|
Blank Spike Recovery [D] = 100*(C)/[B]
Blank Spike Duplicate Recovery [G] = 100*(F)/[E]
All results are based on MDL and Validated for QC Purposes

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BS / BSD Recoveries

Project Name: Eunice Project - N Eunice

Work Order #: 691655 **Project ID:** 30049577

Analyst: DTH **Date Prepared:** 03.18.2021 **Date Analyzed:** 03.18.2021

Lab Batch ID: 3154179 **Sample:** 3154179-1-BKS **Batch #:** 1 **Matrix:** Water

Units: mg/L

BLANK /BLANK SPIKE / BLANK SPIKE DUPLICATE RECOVERY STUDY

TDS by SM2540C Analytes	Blank Sample Result [A]	Spike Added [B]	Blank Spike Result [C]	Blank Spike %R [D]	Spike Added [E]	Blank Spike Duplicate Result [F]	Blk. Spk Dup. %R [G]	RPD %	Control Limits %R	Control Limits %RPD	Flag
Total Dissolved Solids	<25.0	1000	990	99	1000	983	98	1	90-110	10	

Analyst: ARM **Date Prepared:** 03.19.2021 **Date Analyzed:** 03.21.2021

Lab Batch ID: 3154388 **Sample:** 7723822-1-BKS **Batch #:** 1 **Matrix:** Water

Units: mg/L

BLANK /BLANK SPIKE / BLANK SPIKE DUPLICATE RECOVERY STUDY

TPH By SW8015 Mod Analytes	Blank Sample Result [A]	Spike Added [B]	Blank Spike Result [C]	Blank Spike %R [D]	Spike Added [E]	Blank Spike Duplicate Result [F]	Blk. Spk Dup. %R [G]	RPD %	Control Limits %R	Control Limits %RPD	Flag
Gasoline Range Hydrocarbons	<0.893	90.4	107	118	90.5	106	117	1	70-135	20	
Diesel Range Organics	<0.825	90.4	105	116	90.5	95.9	106	9	70-135	20	

Relative Percent Difference RPD = 200*|(C-F)/(C+F)|
Blank Spike Recovery [D] = 100*(C)/[B]
Blank Spike Duplicate Recovery [G] = 100*(F)/[E]
All results are based on MDL and Validated for QC Purposes

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Form 3 - MS / MSD Recoveries

Project Name: Eunice Project - N Eunice

Report Date: 03232021
Project ID: 30049577

Work Order # : 691655

Lab Batch ID: 3154455 **QC- Sample ID:** 691739-001 S **Batch #:** 1 **Matrix:** Ground Water

Date Analyzed: 03.22.2021 **Date Prepared:** 03.22.2021 **Analyst:** KTL

Reporting Units: mg/L

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY STUDY

BTEX by EPA 8021B Analytes	Parent Sample Result [A]	Spike Added [B]	Spiked Sample Result [C]	Spiked Sample %R [D]	Spike Added [E]	Duplicate Spiked Sample Result [F]	Spiked Dup. %R [G]	RPD %	Control Limits %R	Control Limits %RPD	Flag
Benzene	<0.000408	0.100	0.101	101	0.100	0.107	107	6	70-130	25	
Toluene	<0.000367	0.100	0.0976	98	0.100	0.111	111	13	70-130	25	
Ethylbenzene	<0.000657	0.100	0.0964	96	0.100	0.113	113	16	70-130	25	
m,p-Xylenes	<0.000630	0.200	0.197	99	0.200	0.216	108	9	70-130	25	
o-Xylene	<0.000642	0.100	0.0992	99	0.100	0.114	114	14	70-130	25	

Lab Batch ID: 3154288 **QC- Sample ID:** 691655-002 S **Batch #:** 1 **Matrix:** Water

Date Analyzed: 03.19.2021 **Date Prepared:** 03.19.2021 **Analyst:** CHE

Reporting Units: mg/L

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY STUDY

Chloride by EPA 300 Analytes	Parent Sample Result [A]	Spike Added [B]	Spiked Sample Result [C]	Spiked Sample %R [D]	Spike Added [E]	Duplicate Spiked Sample Result [F]	Spiked Dup. %R [G]	RPD %	Control Limits %R	Control Limits %RPD	Flag
Chloride	488	125	633	116	125	634	117	0	90-110	20	X

Matrix Spike Percent Recovery [D] = 100*(C-A) / B
Relative Percent Difference RPD = 200*|(C-F) / (C+F)|

Matrix Spike Duplicate Percent Recovery [G] = 100*(F-A) / E

ND = Not Detected, J = Present Below Reporting Limit, B = Present in Blank, NR = Not Requested, I = Interference, NA = Not Applicable
N = See Narrative, EQL = Estimated Quantitation Limit, NC = Non Calculable - Sample amount is > 4 times the amount spiked.

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Form 3 - MS / MSD Recoveries

Project Name: Eunice Project - N Eunice

Report Date: 03232021
Project ID: 30049577

Work Order # : 691655

Lab Batch ID: 3154288 **QC- Sample ID:** 691656-007 S **Batch #:** 1 **Matrix:** Water

Date Analyzed: 03.19.2021 **Date Prepared:** 03.19.2021 **Analyst:** CHE

Reporting Units: mg/L

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY STUDY

Chloride by EPA 300 Analytes	Parent Sample Result [A]	Spike Added [B]	Spiked Sample Result [C]	Spiked Sample %R [D]	Spike Added [E]	Duplicate Spiked Sample Result [F]	Spiked Dup. %R [G]	RPD %	Control Limits %R	Control Limits %RPD	Flag
Chloride	515	250	778	105	250	772	103	1	90-110	20	

Lab Batch ID: 3153857 **QC- Sample ID:** 691655-003 S **Batch #:** 1 **Matrix:** Water

Date Analyzed: 03.12.2021 **Date Prepared:** 03.12.2021 **Analyst:** SPC

Reporting Units: mg/L

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY STUDY

Chromium, Hexavalent by SW 7196A Analytes	Parent Sample Result [A]	Spike Added [B]	Spiked Sample Result [C]	Spiked Sample %R [D]	Spike Added [E]	Duplicate Spiked Sample Result [F]	Spiked Dup. %R [G]	RPD %	Control Limits %R	Control Limits %RPD	Flag
Chromium, Hexavalent	<0.00273	0.200	0.179	90	0.200	0.179	90	0	75-125	20	

Matrix Spike Percent Recovery [D] = 100*(C-A) / B
Relative Percent Difference RPD = 200*|(C-F) / (C+F)|

Matrix Spike Duplicate Percent Recovery [G] = 100*(F-A) / E

ND = Not Detected, J = Present Below Reporting Limit, B = Present in Blank, NR = Not Requested, I = Interference, NA = Not Applicable
N = See Narrative, EQL = Estimated Quantitation Limit, NC = Non Calculable - Sample amount is > 4 times the amount spiked.

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Form 3 - MS / MSD Recoveries

Project Name: Eunice Project - N Eunice

Report Date: 03232021
Project ID: 30049577

Work Order # : 691655

Lab Batch ID: 3154164 **QC- Sample ID:** 691655-001 S **Batch #:** 1 **Matrix:** Water

Date Analyzed: 03.18.2021 **Date Prepared:** 03.18.2021 **Analyst:** DEP

Reporting Units: mg/L

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY STUDY

(N) Dissolved Metals by SW6020A Analytes	Parent Sample Result [A]	Spike Added [B]	Spiked Sample Result [C]	Spiked Sample %R [D]	Spike Added [E]	Duplicate Spiked Sample Result [F]	Spiked Dup. %R [G]	RPD %	Control Limits %R	Control Limits %RPD	Flag
Arsenic	0.0129	0.100	0.112	99	0.100	0.112	99	0	75-125	20	
Chromium <03/19/2021 18:43>	3.64	0.100	3.84	200	0.100	3.87	230	1	75-125	20	X
Iron	<0.0227	0.500	0.470	94	0.500	0.481	96	2	75-125	20	
Manganese <03/19/2021 18:43>	0.000515	0.100	0.0979	97	0.100	0.0980	97	0	75-125	20	

Lab Batch ID: 3154388 **QC- Sample ID:** 691655-005 S **Batch #:** 1 **Matrix:** Water

Date Analyzed: 03.21.2021 **Date Prepared:** 03.19.2021 **Analyst:** ARM

Reporting Units: mg/L

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY STUDY

TPH By SW8015 Mod Analytes	Parent Sample Result [A]	Spike Added [B]	Spiked Sample Result [C]	Spiked Sample %R [D]	Spike Added [E]	Duplicate Spiked Sample Result [F]	Spiked Dup. %R [G]	RPD %	Control Limits %R	Control Limits %RPD	Flag
Gasoline Range Hydrocarbons	<0.879	89.0	85.0	96	89.4	69.6	78	20	70-135	20	
Diesel Range Organics	<0.812	89.0	77.6	87	89.4	68.0	76	13	70-135	20	

Matrix Spike Percent Recovery [D] = 100*(C-A) / B
Relative Percent Difference RPD = 200*|(C-F) / (C+F)|

Matrix Spike Duplicate Percent Recovery [G] = 100*(F-A) / E

ND = Not Detected, J = Present Below Reporting Limit, B = Present in Blank, NR = Not Requested, I = Interference, NA = Not Applicable
N = See Narrative, EQL = Estimated Quantitation Limit, NC = Non Calculable - Sample amount is > 4 times the amount spiked.

Method Duplicate

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Project Name: Eunice Project - N Eunice

Work Order #: 691655 **Report Date:** 03232021

Lab Batch #: 3154062 **Project ID:** 30049577

Date Analyzed: 03.17.2021 15:00 **Date Prepared:** 03.17.2021 **Analyst:** DTH

QC- Sample ID: 691534-004 D **Batch #:** 1 **Matrix:** Water

Reporting Units: mg/L

SAMPLE / SAMPLE DUPLICATE RECOVERY

TDS by SM2540C Analyte	Parent Sample Result [A]	Sample Duplicate Result [B]	RPD	Control Limits %RPD	Flag
Total Dissolved Solids	1030	1020	1	10	

Lab Batch #: 3154179

Date Analyzed: 03.18.2021 15:00 **Date Prepared:** 03.18.2021 **Analyst:** DTH

QC- Sample ID: 691655-006 D **Batch #:** 1 **Matrix:** Water

Reporting Units: mg/L

SAMPLE / SAMPLE DUPLICATE RECOVERY

TDS by SM2540C Analyte	Parent Sample Result [A]	Sample Duplicate Result [B]	RPD	Control Limits %RPD	Flag
Total Dissolved Solids	1270	1280	1	10	

Spike Relative Difference RPD 200 * | (B-A)/(B+A) |
All Results are based on MDL and validated for QC purposes.

BRL - Below Reporting Limit

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Chain of Custody

Work Order No: 691655

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

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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:	303-471-2477 Email:	madisyn.frandsen@arcadis.com	

Work Order Comments

Program: UST/PST ☐ PRP ☐ Brownfields ☐ RRC ☐ Superfund ☐
State of Project:
Reporting:Level II ☐ Level III ☐ PST/UST ☐ TRRP ☐ Level IV ☐
Deliverables: EDD ☐ ADaPT ☐ Other:

Project Name:	Eunice Project-N. Eunice	Turn Around	
Project Number:	30049577	Routine	
P.O. Number:		Rush:	
Sampler's Name:	Jerry S. Longwell	Due Date:	

SAMPLE RECEIPT			
Temp Blank:	Yes (No)	Wet Ice:	(Yes) No
Temperature (°C):	1.5 / 2.0	Thermometer ID	R8
Received Intact:	(Yes) No		
Cooler Custody Seals:	Yes No (N/A)	Correction Factor:	0.5
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): Aresenic, Maganese, Iron & Chromium	TDS (SM2540C)	Chlorides (EPA 300.0)
MW058	W	031221	0823		3			X	X	X	X
MW011A	W	031221	0858		3			X	X	X	X
MW032	W	031221	0929		3			X	X	X	X
MW002A	W	031221	0954		3			X	X	X	X
MW046A	W	031221	1029		3	X	X	X	X	X	X
MW045	W	031221	1125		8	X	X	X	X	X	X
MW001	W	031221	1254		8	X	X	X	X	X	X
DUP-8	W	031221	—		3			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
Jerry S. Longwell	Carlos Aguilera	031221 / 1830	2		3/12/21 17:05
3			4		
5			6		

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Inter-Office Shipment

IOS Number : 79445

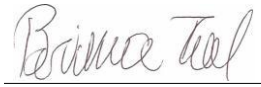
Date/Time: 03.15.2021
Created by: Brianna Teel
Please send report to: John Builes

Lab# From: **Midland**
Delivery Priority:
Address: 1211 W. Florida Ave

Lab# To: **El Paso**
Air Bill No.:
E-Mail: john.builes@eurofinset.com

Sample Id	Matrix	Client Sample Id	Sample Collection	Method	Method Name	Lab Due	HT Due	PM	Analytes	Sign
691655-001	W	MW058	03.12.2021 08:28	SM2540C	TDS by SM2540C	03.18.2021	03.19.2021	JHB	TDS	
691655-002	W	MW11A	03.12.2021 08:58	SM2540C	TDS by SM2540C	03.18.2021	03.19.2021	JHB	TDS	
691655-003	W	MW032	03.12.2021 09:29	SM2540C	TDS by SM2540C	03.18.2021	03.19.2021	JHB	TDS	
691655-004	W	MW002A	03.12.2021 09:54	SM2540C	TDS by SM2540C	03.18.2021	03.19.2021	JHB	TDS	
691655-005	W	MW046A	03.12.2021 10:28	SM2540C	TDS by SM2540C	03.18.2021	03.19.2021	JHB	TDS	
691655-006	W	MW045	03.12.2021 11:25	SM2540C	TDS by SM2540C	03.18.2021	03.19.2021	JHB	TDS	
691655-007	W	MW001	03.12.2021 12:54	SM2540C	TDS by SM2540C	03.18.2021	03.19.2021	JHB	TDS	
691655-008	W	Dup-8	03.12.2021 00:00	SM2540C	TDS by SM2540C	03.18.2021	03.19.2021	JHB	TDS	

Inter Office Shipment or Sample Comments:

Relinquished By: 
Brianna Teel

Date Relinquished: 03.15.2021

Received By: _____

Date Received: _____

Cooler Temperature: _____

Released to Imaging: 12/12/2022 10:42:57 AM
Received by OCD: 3/21/2022 2:39:57 PM

Inter-Office Shipment

IOS Number : 79446

Date/Time:	03.15.2021	Created by:	Brianna Teel	Please send report to:	John Builes
Lab# From:	**Midland**	Delivery Priority:		Address:	1211 W. Florida Ave
Lab# To:	**Houston**	Air Bill No.:	773166447982	E-Mail:	john.builes@eurofinset.com

Sample Id	Matrix	Client Sample Id	Sample Collection	Method	Method Name	Lab Due	HT Due	PM	Analytes	Sign
691655-001	W	MW058	03.12.2021 08:28	SW6020_DIS	(N) Dissolved Metals by SW6020A	03.18.2021	09.08.2021	JHB	AS CR FE MN	
691655-002	W	MW11A	03.12.2021 08:58	SW6020_DIS	(N) Dissolved Metals by SW6020A	03.18.2021	09.08.2021	JHB	AS CR FE MN	
691655-003	W	MW032	03.12.2021 09:29	SW6020_DIS	(N) Dissolved Metals by SW6020A	03.18.2021	09.08.2021	JHB	AS CR FE MN	
691655-004	W	MW002A	03.12.2021 09:54	SW6020_DIS	(N) Dissolved Metals by SW6020A	03.18.2021	09.08.2021	JHB	AS CR FE MN	
691655-005	W	MW046A	03.12.2021 10:28	SW6020_DIS	(N) Dissolved Metals by SW6020A	03.18.2021	09.08.2021	JHB	AS CR FE MN	
691655-006	W	MW045	03.12.2021 11:25	SW6020_DIS	(N) Dissolved Metals by SW6020A	03.18.2021	09.08.2021	JHB	AS CR FE MN	
691655-007	W	MW001	03.12.2021 12:54	SW6020_DIS	(N) Dissolved Metals by SW6020A	03.18.2021	09.08.2021	JHB	AS CR FE MN	
691655-008	W	Dup-8	03.12.2021 00:00	SW6020_DIS	(N) Dissolved Metals by SW6020A	03.18.2021	09.08.2021	JHB	AS CR FE MN	

Inter Office Shipment or Sample Comments:

Relinquished By: Brianna Teel

Brianna Teel

Date Relinquished: 03.15.2021

Received By: Jose F. Londono

Jose Londono

Date Received: 03.16.2021

Cooler Temperature: 5.7

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Eurofins Xenco, LLC

Inter Office Report- Sample Receipt Checklist

Sent To: Houston

IOS #: 79446

Acceptable Temperature Range: 0 - 6 degC
Air and Metal samples Acceptable Range: Ambient
Temperature Measuring device used : HOU-272

Sent By: Brianna Teel **Date Sent:** 03.15.2021 08.13 AM

Received By: Jose Londono **Date Received:** 03.16.2021 10.15 AM

Sample Receipt Checklist		Comments
#1 *Temperature of cooler(s)?	5.7	
#2 *Shipping container in good condition?	**Yes**	
#3 *Samples received with appropriate temperature?	**Yes**	
#4 *Custody Seals intact on shipping container/ cooler?	**Yes**	
#5 *Custody Seals Signed and dated for Containers/coolers	**Yes**	
#6 *IOS present?	**Yes**	
#7 Any missing/extra samples?	**No**	
#8 IOS agrees with sample label(s)/matrix?	**Yes**	
#9 Sample matrix/ properties agree with IOS?	**Yes**	
#10 Samples in proper container/ bottle?	**Yes**	
#11 Samples properly preserved?	**Yes**	
#12 Sample container(s) intact?	**Yes**	
#13 Sufficient sample amount for indicated test(s)?	**Yes**	
#14 All samples received within hold time?	**Yes**	

*** Must be completed for after-hours delivery of samples prior to placing in the refrigerator**

NonConformance:

Corrective Action Taken:

Nonconformance Documentation

Contact: _____ **Contacted by :** _____ **Date:** _____

Checklist reviewed by: Jose Londono Date: 03.16.2021

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Analytical Report 691535

for

ARCADIS

Project Manager: Sonja Zabienski

Eunice Project - N Eunice

03.23.2021

Collected By: Client

1211 W. Florida Ave
Midland TX 79701

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

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

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

Released to Imaging: 12/12/2022 10:42:57 AM

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03.23.2021

Project Manager: **Sonja Zabienski**
ARCADIS
1004 N. Big Spring St.
Midland, TX 79701

Reference: Eurofins Xenco, LLC Report No(s): **691535**
Eunice Project - N Eunice
Project Address:

Sonja Zabienski:

We are reporting to you the results of the analyses performed on the samples received under the project name referenced above and identified with the Eurofins Xenco, LLC Report Number(s) 691535. All results being reported under this Report Number apply to the samples analyzed and properly identified with a Laboratory ID number. Subcontracted analyses are identified in this report with either the NELAC certification number of the subcontract lab in the analyst ID field, or the complete subcontracted report attached to this report.

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

The validity and integrity of this report will remain intact as long as it is accompanied by this letter and reproduced in full, unless written approval is granted by Eurofins Xenco, LLC. This report will be filed for at least 5 years in our archives after which time it will be destroyed without further notice, unless otherwise arranged with you. The samples received, and described as recorded in Report No. 691535 will be filed for 45 days, and after that time they will be properly disposed without further notice, unless otherwise arranged with you. We reserve the right to return to you any unused samples, extracts or solutions related to them if we consider so necessary (e.g., samples identified as hazardous waste, sample sizes exceeding analytical standard practices, controlled substances under regulated protocols, etc).

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

Respectfully,

John Builes
Project Manager

A Small Business and Minority Company

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

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Sample Cross Reference 691535

ARCADIS, Midland, TX

Eunice Project - N Eunice

Sample Id	Matrix	Date Collected	Sample Depth	Lab Sample Id
MW094	W	03.11.2021 09:23		691535-001
MW020	W	03.11.2021 09:42		691535-002
MW030	W	03.11.2021 10:09		691535-003
MW026	W	03.11.2021 10:39		691535-004
MW022	W	03.11.2021 10:59		691535-005
MW068	W	03.11.2021 11:21		691535-006
MW094	W	03.11.2021 11:58		691535-007
MW061	W	03.11.2021 11:48		691535-008
MW008M	W	03.11.2021 13:38		691535-009
DUP-2	W	03.11.2021 00:00		691535-010

CASE NARRATIVE

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Client Name: ARCADIS

Project Name: Eunice Project - N Eunice

Project ID:
Work Order Number(s): *691535*

Report Date: *03.23.2021*
Date Received: *03.11.2021*

This laboratory is NELAC accredited under the Texas Laboratory Accreditation Program for all the methods, analytes, and matrices reported in this data package except as noted. The data have been reviewed and are technically compliant with the requirements of the methods used, except where noted by the laboratory.

Sample receipt non conformances and comments:

Sample receipt non conformances and comments per sample:

None

Analytical non conformances and comments:

Batch: LBA-3153622 Chloride by EPA 300

Lab Sample ID 691535-001 was randomly selected for Matrix Spike/Matrix Spike Duplicate (MS/MSD). Chloride recovered above QC limits in the Matrix Spike and Matrix Spike Duplicate. Outlier/s are due to possible matrix interference. Samples in the analytical batch are: 691535-001, -002, -003, -004, -005, -006.

The Laboratory Control Sample for Chloride is within laboratory Control Limits, therefore the data was accepted.

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Certificate of Analytical Results
691535
ARCADIS, Midland, TX
Eunice Project - N Eunice

Sample Id: **MW094** Matrix: Water Sample Depth:

Lab Sample Id: 691535-001 Date Collected: 03.11.2021 09:23 Date Received: 03.11.2021 17:12

Analytical Method: Chloride by EPA 300 Prep Method: E300P

Analyst: CHE % Moist:

Seq Number: 3153622 Date Prep: 03.12.2021 15:50 Tech: CHE

Prep seq: 7723227

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Chloride	16887-00-6	**72.1**	2.50	0.105	mg/L	03.12.2021 23:13	X	5

Analytical Method: TDS by SM2540C Prep Method:

Analyst: DTH % Moist:

Seq Number: 3154062 Date Prep: Tech: DTH

Subcontractor: SUB: T104704221-20-18 Prep seq:

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Total Dissolved Solids	1642222	**542**	25.0	25.0	mg/L	03.17.2021 15:00		1

Analytical Method: (N) Dissolved Metals by SW6020A Prep Method: 3010A

Analyst: DEP % Moist:

Seq Number: 3154012 Date Prep: 03.17.2021 09:40 Tech: DEP

Subcontractor: SUB: T104704215-20-39 Prep seq: 7723525

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Arsenic	7440-38-2	**0.00618**	0.00400	0.000246	mg/L	03.17.2021 16:20		1
Chromium	7440-47-3	<0.000525	0.00400	0.000525	mg/L	03.17.2021 16:20	U	1
Iron	7439-89-6	**0.188**	0.100	0.0227	mg/L	03.17.2021 16:20		1
Manganese	7439-96-5	**0.153**	0.00200	0.000199	mg/L	03.17.2021 16:20		1

Analytical Method: Chromium, Hexavalent by SW 7196A Prep Method:

Analyst: SPC % Moist:

Seq Number: 3153855 Date Prep: Tech: SPC

Prep seq:

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Chromium, Hexavalent	18540-29-9	<0.00273	0.0100	0.00273	mg/L	03.11.2021 19:23	U	1

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Certificate of Analytical Results
691535
ARCADIS, Midland, TX
Eunice Project - N Eunice

Sample Id: **MW020** Matrix: Water Sample Depth:

Lab Sample Id: 691535-002 Date Collected: 03.11.2021 09:42 Date Received: 03.11.2021 17:12

Analytical Method: Chloride by EPA 300 Prep Method: E300P

Analyst: CHE % Moist:

Seq Number: 3153622 Date Prep: 03.12.2021 15:50 Tech: CHE

Prep seq: 7723227

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Chloride	16887-00-6	**405**	5.00	0.210	mg/L	03.13.2021 00:03		10

Analytical Method: TDS by SM2540C Prep Method:

Analyst: DTH % Moist:

Seq Number: 3154062 Date Prep: Tech: DTH

Subcontractor: SUB: T104704221-20-18 Prep seq:

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Total Dissolved Solids	1642222	**632**	25.0	25.0	mg/L	03.17.2021 15:00		1

Analytical Method: (N) Dissolved Metals by SW6020A Prep Method: 3010A

Analyst: DEP % Moist:

Seq Number: 3154012 Date Prep: 03.17.2021 09:40 Tech: DEP

Subcontractor: SUB: T104704215-20-39 Prep seq: 7723525

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Arsenic	7440-38-2	**0.0146**	0.00400	0.000246	mg/L	03.17.2021 16:23		1
Chromium	7440-47-3	<0.000525	0.00400	0.000525	mg/L	03.17.2021 16:23	U	1
Iron	7439-89-6	<0.0227	0.100	0.0227	mg/L	03.17.2021 16:23	U	1
Manganese	7439-96-5	<0.000199	0.00200	0.000199	mg/L	03.17.2021 16:23	U	1

Analytical Method: Chromium, Hexavalent by SW 7196A Prep Method:

Analyst: SPC % Moist:

Seq Number: 3153855 Date Prep: Tech: SPC

Prep seq:

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Chromium, Hexavalent	18540-29-9	<0.00273	0.0100	0.00273	mg/L	03.11.2021 19:23	U	1

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Certificate of Analytical Results
691535
ARCADIS, Midland, TX
Eunice Project - N Eunice

Sample Id: **MW030** Matrix: Water Sample Depth:

Lab Sample Id: 691535-003 Date Collected: 03.11.2021 10:09 Date Received: 03.11.2021 17:12

Analytical Method: Chloride by EPA 300 Prep Method: E300P

Analyst: CHE % Moist:

Seq Number: 3153622 Date Prep: 03.12.2021 15:50 Tech: CHE

Prep seq: 7723227

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Chloride	16887-00-6	**213**	2.50	0.105	mg/L	03.13.2021 00:08		5

Analytical Method: TDS by SM2540C Prep Method:

Analyst: DTH % Moist:

Seq Number: 3154062 Date Prep: Tech: DTH

Subcontractor: SUB: T104704221-20-18 Prep seq:

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Total Dissolved Solids	1642222	**822**	25.0	25.0	mg/L	03.17.2021 15:00		1

Analytical Method: (N) Dissolved Metals by SW6020A Prep Method: 3010A

Analyst: DEP % Moist:

Seq Number: 3154012 Date Prep: 03.17.2021 09:40 Tech: DEP

Subcontractor: SUB: T104704215-20-39 Prep seq: 7723525

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Arsenic	7440-38-2	**0.0201**	0.00400	0.000246	mg/L	03.17.2021 16:26		1
Chromium	7440-47-3	**0.00147**	0.00400	0.000525	mg/L	03.17.2021 16:26	J	1
Iron	7439-89-6	<0.0227	0.100	0.0227	mg/L	03.17.2021 16:26	U	1
Manganese	7439-96-5	<0.000199	0.00200	0.000199	mg/L	03.17.2021 16:26	U	1

Analytical Method: Chromium, Hexavalent by SW 7196A Prep Method:

Analyst: SPC % Moist:

Seq Number: 3153855 Date Prep: Tech: SPC

Prep seq:

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Chromium, Hexavalent	18540-29-9	<0.00273	0.0100	0.00273	mg/L	03.11.2021 19:23	U	1

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Certificate of Analytical Results
691535
ARCADIS, Midland, TX
Eunice Project - N Eunice

Sample Id: **MW026** Matrix: Water Sample Depth:

Lab Sample Id: 691535-004 Date Collected: 03.11.2021 10:39 Date Received: 03.11.2021 17:12

Analytical Method: Chloride by EPA 300 Prep Method: E300P

Analyst: CHE % Moist:

Seq Number: 3153622 Date Prep: 03.12.2021 15:50 Tech: CHE

Prep seq: 7723227

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Chloride	16887-00-6	**89.0**	2.50	0.105	mg/L	03.13.2021 00:14		5

Analytical Method: TDS by SM2540C Prep Method:

Analyst: DTH % Moist:

Seq Number: 3154062 Date Prep: Tech: DTH

Subcontractor: SUB: T104704221-20-18 Prep seq:

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Total Dissolved Solids	1642222	**733**	25.0	25.0	mg/L	03.17.2021 15:00		1

Analytical Method: (N) Dissolved Metals by SW6020A Prep Method: 3010A

Analyst: DEP % Moist:

Seq Number: 3154012 Date Prep: 03.17.2021 09:40 Tech: DEP

Subcontractor: SUB: T104704215-20-39 Prep seq: 7723525

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Arsenic	7440-38-2	**0.00933**	0.00400	0.000246	mg/L	03.17.2021 16:34		1
Chromium	7440-47-3	<0.000525	0.00400	0.000525	mg/L	03.17.2021 16:34	U	1
Iron	7439-89-6	<0.0227	0.100	0.0227	mg/L	03.17.2021 16:34	U	1
Manganese	7439-96-5	<0.000199	0.00200	0.000199	mg/L	03.17.2021 16:34	U	1

Analytical Method: Chromium, Hexavalent by SW 7196A Prep Method:

Analyst: SPC % Moist:

Seq Number: 3153855 Date Prep: Tech: SPC

Prep seq:

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Chromium, Hexavalent	18540-29-9	<0.00273	0.0100	0.00273	mg/L	03.11.2021 19:23	U	1

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Certificate of Analytical Results
691535
ARCADIS, Midland, TX
Eunice Project - N Eunice

Sample Id: **MW022** Matrix: Water Sample Depth:

Lab Sample Id: 691535-005 Date Collected: 03.11.2021 10:59 Date Received: 03.11.2021 17:12

Analytical Method: Chloride by EPA 300 Prep Method: E300P

Analyst: CHE % Moist:

Seq Number: 3153622 Date Prep: 03.12.2021 15:50 Tech: CHE

Prep seq: 7723227

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Chloride	16887-00-6	**360**	5.00	0.210	mg/L	03.13.2021 00:19		10

Analytical Method: TDS by SM2540C Prep Method:

Analyst: DTH % Moist:

Seq Number: 3154062 Date Prep: Tech: DTH

Subcontractor: SUB: T104704221-20-18 Prep seq:

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Total Dissolved Solids	1642222	**805**	25.0	25.0	mg/L	03.17.2021 15:00		1

Analytical Method: (N) Dissolved Metals by SW6020A Prep Method: 3010A

Analyst: DEP % Moist:

Seq Number: 3154012 Date Prep: 03.17.2021 09:40 Tech: DEP

Subcontractor: SUB: T104704215-20-39 Prep seq: 7723525

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Arsenic	7440-38-2	**0.00655**	0.00400	0.000246	mg/L	03.17.2021 16:37		1
Chromium	7440-47-3	**0.000702**	0.00400	0.000525	mg/L	03.17.2021 16:37	J	1
Iron	7439-89-6	<0.0227	0.100	0.0227	mg/L	03.17.2021 16:37	U	1
Manganese	7439-96-5	**0.00164**	0.00200	0.000199	mg/L	03.17.2021 16:37	J	1

Analytical Method: Chromium, Hexavalent by SW 7196A Prep Method:

Analyst: SPC % Moist:

Seq Number: 3153855 Date Prep: Tech: SPC

Prep seq:

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Chromium, Hexavalent	18540-29-9	<0.00273	0.0100	0.00273	mg/L	03.11.2021 19:23	U	1

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Certificate of Analytical Results
691535
ARCADIS, Midland, TX
Eunice Project - N Eunice

Sample Id: **MW068** Matrix: Water Sample Depth:

Lab Sample Id: 691535-006 Date Collected: 03.11.2021 11:21 Date Received: 03.11.2021 17:12

Analytical Method: Chloride by EPA 300 Prep Method: E300P

Analyst: CHE % Moist:

Seq Number: 3153622 Date Prep: 03.12.2021 15:50 Tech: CHE

Prep seq: 7723227

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Chloride	16887-00-6	**6350**	25.0	1.05	mg/L	03.13.2021 00:25		50

Analytical Method: TDS by SM2540C Prep Method:

Analyst: DTH % Moist:

Seq Number: 3154062 Date Prep: Tech: DTH

Subcontractor: SUB: T104704221-20-18 Prep seq:

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Total Dissolved Solids	1642222	**934**	25.0	25.0	mg/L	03.17.2021 15:00		1

Analytical Method: (N) Dissolved Metals by SW6020A Prep Method: 3010A

Analyst: DEP % Moist:

Seq Number: 3154012 Date Prep: 03.17.2021 09:40 Tech: DEP

Subcontractor: SUB: T104704215-20-39 Prep seq: 7723525

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Arsenic	7440-38-2	**0.0180**	0.00400	0.000246	mg/L	03.17.2021 16:40		1
Chromium	7440-47-3	<0.00262	0.0200	0.00262	mg/L	03.17.2021 16:58	UD	5
Iron	7439-89-6	**0.144**	0.500	0.114	mg/L	03.17.2021 16:58	JD	5
Manganese	7439-96-5	**2.48**	0.0100	0.000993	mg/L	03.17.2021 16:58	D	5

Analytical Method: Chromium, Hexavalent by SW 7196A Prep Method:

Analyst: SPC % Moist:

Seq Number: 3153855 Date Prep: Tech: SPC

Prep seq:

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Chromium, Hexavalent	18540-29-9	<0.00273	0.0100	0.00273	mg/L	03.11.2021 19:23	U	1

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Certificate of Analytical Results
691535
ARCADIS, Midland, TX
Eunice Project - N Eunice

Sample Id: **MW094** Matrix: Water Sample Depth:

Lab Sample Id: 691535-007 Date Collected: 03.11.2021 11:58 Date Received: 03.11.2021 17:12

Analytical Method: Chloride by EPA 300 Prep Method: E300P

Analyst: CHE % Moist:

Seq Number: 3154284 Date Prep: 03.18.2021 10:00 Tech: CHE

Prep seq: 7723590

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Chloride	16887-00-6	**854**	10.0	0.421	mg/L	03.18.2021 18:17		20

Analytical Method: TDS by SM2540C Prep Method:

Analyst: DTH % Moist:

Seq Number: 3154062 Date Prep: Tech: DTH

Subcontractor: SUB: T104704221-20-18 Prep seq:

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Total Dissolved Solids	1642222	**1270**	25.0	25.0	mg/L	03.17.2021 15:00		1

Analytical Method: (N) Dissolved Metals by SW6020A Prep Method: 3010A

Analyst: DEP % Moist:

Seq Number: 3154012 Date Prep: 03.17.2021 09:40 Tech: DEP

Subcontractor: SUB: T104704215-20-39 Prep seq: 7723525

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Arsenic	7440-38-2	**0.0109**	0.00400	0.000246	mg/L	03.17.2021 16:43		1
Chromium	7440-47-3	**0.535**	0.00400	0.000525	mg/L	03.17.2021 16:43		1
Iron	7439-89-6	<0.0227	0.100	0.0227	mg/L	03.17.2021 16:43	U	1
Manganese	7439-96-5	**0.0317**	0.00200	0.000199	mg/L	03.17.2021 16:43		1

Analytical Method: Chromium, Hexavalent by SW 7196A Prep Method:

Analyst: SPC % Moist:

Seq Number: 3153855 Date Prep: Tech: SPC

Prep seq:

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Chromium, Hexavalent	18540-29-9	**0.855**	0.100	0.0273	mg/L	03.11.2021 19:23		10

eurofins | Environment Testing Xenco

Certificate of Analytical Results
691535
ARCADIS, Midland, TX
Eunice Project - N Eunice

Sample Id: **MW061** Matrix: Water Sample Depth:

Lab Sample Id: 691535-008 Date Collected: 03.11.2021 11:48 Date Received: 03.11.2021 17:12

Analytical Method: Chloride by EPA 300 Prep Method: E300P

Analyst: CHE % Moist:

Seq Number: 3154284 Date Prep: 03.18.2021 10:00 Tech: CHE

Prep seq: 7723590

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Chloride	16887-00-6	**1170**	25.0	1.05	mg/L	03.18.2021 18:34		50

Analytical Method: TDS by SM2540C Prep Method:

Analyst: DTH % Moist:

Seq Number: 3154062 Date Prep: Tech: DTH

Subcontractor: SUB: T104704221-20-18 Prep seq:

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Total Dissolved Solids	1642222	**1160**	25.0	25.0	mg/L	03.17.2021 15:00		1

Analytical Method: (N) Dissolved Metals by SW6020A Prep Method: 3010A

Analyst: DEP % Moist:

Seq Number: 3154012 Date Prep: 03.17.2021 09:40 Tech: DEP

Subcontractor: SUB: T104704215-20-39 Prep seq: 7723525

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Arsenic	7440-38-2	**0.0115**	0.00400	0.000246	mg/L	03.17.2021 16:46		1
Chromium	7440-47-3	**1.06**	0.00400	0.000525	mg/L	03.17.2021 16:46		1
Iron	7439-89-6	<0.0227	0.100	0.0227	mg/L	03.17.2021 16:46	U	1
Manganese	7439-96-5	**0.0384**	0.00200	0.000199	mg/L	03.17.2021 16:46		1

Analytical Method: Chromium, Hexavalent by SW 7196A Prep Method:

Analyst: SPC % Moist:

Seq Number: 3153855 Date Prep: Tech: SPC

Prep seq:

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Chromium, Hexavalent	18540-29-9	**1.07**	0.200	0.0545	mg/L	03.11.2021 19:23		20

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Certificate of Analytical Results
691535
ARCADIS, Midland, TX
Eunice Project - N Eunice

Sample Id: **MW008M** Matrix: Water Sample Depth:

Lab Sample Id: 691535-009 Date Collected: 03.11.2021 13:38 Date Received: 03.11.2021 17:12

Analytical Method: Chloride by EPA 300 Prep Method: E300P

Analyst: CHE % Moist:

Seq Number: 3154284 Date Prep: 03.18.2021 10:00 Tech: CHE

Prep seq: 7723590

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Chloride	16887-00-6	**1640**	25.0	1.05	mg/L	03.18.2021 18:39		50

Analytical Method: TDS by SM2540C Prep Method:

Analyst: DTH % Moist:

Seq Number: 3154062 Date Prep: Tech: DTH

Subcontractor: SUB: T104704221-20-18 Prep seq:

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Total Dissolved Solids	1642222	**1280**	25.0	25.0	mg/L	03.17.2021 15:00		1

Analytical Method: (N) Dissolved Metals by SW6020A Prep Method: 3010A

Analyst: DEP % Moist:

Seq Number: 3154012 Date Prep: 03.17.2021 09:40 Tech: DEP

Subcontractor: SUB: T104704215-20-39 Prep seq: 7723525

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Arsenic	7440-38-2	**0.00607**	0.00400	0.000246	mg/L	03.17.2021 16:49		1
Chromium	7440-47-3	**0.0129**	0.00400	0.000525	mg/L	03.17.2021 16:49		1
Iron	7439-89-6	**50.3**	5.00	1.14	mg/L	03.18.2021 13:31	D	50
Manganese	7439-96-5	**2.54**	0.100	0.00993	mg/L	03.18.2021 13:31	D	50

Analytical Method: Chromium, Hexavalent by SW 7196A Prep Method:

Analyst: SPC % Moist:

Seq Number: 3153855 Date Prep: Tech: SPC

Prep seq:

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Chromium, Hexavalent	18540-29-9	<0.00273	0.0100	0.00273	mg/L	03.11.2021 19:23	U	1

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Certificate of Analytical Results
691535
ARCADIS, Midland, TX
Eunice Project - N Eunice

Sample Id: **DUP-2** Matrix: Water Sample Depth:

Lab Sample Id: 691535-010 Date Collected: 03.11.2021 00:00 Date Received: 03.11.2021 17:12

Analytical Method: Chloride by EPA 300 Prep Method: E300P

Analyst: CHE % Moist:

Seq Number: 3154284 Date Prep: 03.18.2021 10:00 Tech: CHE

Prep seq: 7723590

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Chloride	16887-00-6	**1190**	25.0	1.05	mg/L	03.18.2021 18:45		50

Analytical Method: TDS by SM2540C Prep Method:

Analyst: DTH % Moist:

Seq Number: 3154062 Date Prep: Tech: DTH

Subcontractor: SUB: T104704221-20-18 Prep seq:

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Total Dissolved Solids	1642222	**1100**	25.0	25.0	mg/L	03.17.2021 15:00		1

Analytical Method: (N) Dissolved Metals by SW6020A Prep Method: 3010A

Analyst: DEP % Moist:

Seq Number: 3154012 Date Prep: 03.17.2021 09:40 Tech: DEP

Subcontractor: SUB: T104704215-20-39 Prep seq: 7723525

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Arsenic	7440-38-2	**0.0113**	0.00400	0.000246	mg/L	03.17.2021 16:52		1
Chromium	7440-47-3	**1.04**	0.00400	0.000525	mg/L	03.17.2021 16:52		1
Iron	7439-89-6	<0.0227	0.100	0.0227	mg/L	03.17.2021 16:52	U	1
Manganese	7439-96-5	**0.0294**	0.00200	0.000199	mg/L	03.17.2021 16:52		1

Analytical Method: Chromium, Hexavalent by SW 7196A Prep Method:

Analyst: SPC % Moist:

Seq Number: 3153855 Date Prep: Tech: SPC

Prep seq:

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Chromium, Hexavalent	18540-29-9	**1.07**	0.200	0.0545	mg/L	03.11.2021 19:23		20

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Certificate of Analytical Results
691535
ARCADIS, Midland, TX
Eunice Project - N Eunice

Sample Id: **3153855-1-BLK** Matrix: Water Sample Depth:
Lab Sample Id: 3153855-1-BLK Date Collected: Date Received:
Analytical Method: Chromium, Hexavalent by SW 7196A Prep Method:
Analyst: SPC % Moist:
Seq Number: 3153855 Date Prep: Tech: SPC
Prep seq:

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Chromium, Hexavalent	18540-29-9	<0.00273	0.0100	0.00273	mg/L	03.11.2021 19:23	U	1

Sample Id: **3154062-1-BLK** Matrix: Water Sample Depth:
Lab Sample Id: 3154062-1-BLK Date Collected: Date Received:
Analytical Method: TDS by SM2540C Prep Method:
Analyst: DTH % Moist:
Seq Number: 3154062 Date Prep: Tech: DTH
Subcontractor: SUB: T104704221-20-18 Prep seq:

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Total Dissolved Solids	1642222	<25.0	25.0	25.0	mg/L	03.17.2021 15:00	U	1

Sample Id: **7723227-1-BLK** Matrix: Water Sample Depth:
Lab Sample Id: 7723227-1-BLK Date Collected: Date Received:
Analytical Method: Chloride by EPA 300 Prep Method: E300P
Analyst: CHE % Moist:
Seq Number: 3153622 Date Prep: 03.12.2021 15:50 Tech: CHE
Prep seq: 7723227

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Chloride	16887-00-6	<0.0210	0.500	0.0210	mg/L	03.12.2021 21:39	U	1

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Certificate of Analytical Results
691535
ARCADIS, Midland, TX
Eunice Project - N Eunice

Sample Id: **7723525-1-BLK** Matrix: Water Sample Depth:

Lab Sample Id: 7723525-1-BLK Date Collected: Date Received:

Analytical Method: (N) Dissolved Metals by SW6020A Prep Method: 3010A

Analyst: DEP % Moist:

Seq Number: 3154012 Date Prep: 03.17.2021 09:40 Tech: DEP

Subcontractor: SUB: T104704215-20-39 Prep seq: 7723525

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Arsenic	7440-38-2	<0.000246	0.00400	0.000246	mg/L	03.17.2021 15:31	U	1
Chromium	7440-47-3	<0.000525	0.00400	0.000525	mg/L	03.17.2021 15:31	U	1
Iron	7439-89-6	<0.0227	0.100	0.0227	mg/L	03.17.2021 15:31	U	1
Manganese	7439-96-5	<0.000199	0.00200	0.000199	mg/L	03.17.2021 15:31	U	1

Sample Id: **7723590-1-BLK** Matrix: Water Sample Depth:

Lab Sample Id: 7723590-1-BLK Date Collected: Date Received:

Analytical Method: Chloride by EPA 300 Prep Method: E300P

Analyst: CHE % Moist:

Seq Number: 3154284 Date Prep: 03.18.2021 10:00 Tech: CHE

Prep seq: 7723590

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Chloride	16887-00-6	<0.0210	0.500	0.0210	mg/L	03.18.2021 18:01	U	1

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Flagging Criteria

X In our quality control review of the data a QC deficiency was observed and flagged as noted. MS/MSD recoveries were found to be outside of the laboratory control limits due to possible matrix /chemical interference, or a concentration of target analyte high enough to affect the recovery of the spike concentration. This condition could also affect the relative percent difference in the MS/MSD.

B A target analyte or common laboratory contaminant was identified in the method blank. Its presence indicates possible field or laboratory contamination.

D The sample(s) were diluted due to targets detected over the highest point of the calibration curve, or due to matrix interference. Dilution factors are included in the final results. The result is from a diluted sample.

E The data exceeds the upper calibration limit; therefore, the concentration is reported as estimated.

F RPD exceeded lab control limits.

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

U Analyte was not detected.

L The LCS data for this analytical batch was reported below the laboratory control limits for this analyte. The department supervisor and QA Director reviewed data. The samples were either reanalyzed or flagged as estimated concentrations.

H The LCS data for this analytical batch was reported above the laboratory control limits. Supporting QC Data were reviewed by the Department Supervisor and QA Director. Data were determined to be valid for reporting.

K Sample analyzed outside of recommended hold time.

JN A combination of the "N" and the "J" qualifier. The analysis indicates that the analyte is "tentatively identified" and the associated numerical value may not be consistent with the amount actually present in the environmental sample.

** Surrogate recovered outside laboratory control limit.

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

RL Reporting Limit

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

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

DL Method Detection Limit

NC Non-Calculable

SMP Client Sample **BLK** Method Blank

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

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

+ NELAC certification not offered for this compound.

* (Next to analyte name or method description) = Outside XENCO's scope of NELAC accreditation

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BS / BSD Recoveries

Project Name: Eunice Project - N Eunice

Work Order #: 691535 **Project ID:**

Analyst: CHE **Date Prepared:** 03.12.2021 **Date Analyzed:** 03.12.2021

Lab Batch ID: 3153622 **Sample:** 7723227-1-BKS **Batch #:** 1 **Matrix:** Water

Units: mg/L

BLANK /BLANK SPIKE / BLANK SPIKE DUPLICATE RECOVERY STUDY

Chloride by EPA 300 Analytes	Blank Sample Result [A]	Spike Added [B]	Blank Spike Result [C]	Blank Spike %R [D]	Spike Added [E]	Blank Spike Duplicate Result [F]	Blk. Spk Dup. %R [G]	RPD %	Control Limits %R	Control Limits %RPD	Flag
Chloride	<0.0210	25.0	26.0	104	25.0	26.1	104	0	90-110	20	

Analyst: CHE **Date Prepared:** 03.18.2021 **Date Analyzed:** 03.18.2021

Lab Batch ID: 3154284 **Sample:** 7723590-1-BKS **Batch #:** 1 **Matrix:** Water

Units: mg/L

BLANK /BLANK SPIKE / BLANK SPIKE DUPLICATE RECOVERY STUDY

Chloride by EPA 300 Analytes	Blank Sample Result [A]	Spike Added [B]	Blank Spike Result [C]	Blank Spike %R [D]	Spike Added [E]	Blank Spike Duplicate Result [F]	Blk. Spk Dup. %R [G]	RPD %	Control Limits %R	Control Limits %RPD	Flag
Chloride	<0.0210	25.0	25.9	104	25.0	25.9	104	0	90-110	20	

Analyst: SPC **Date Prepared:** 03.11.2021 **Date Analyzed:** 03.11.2021

Lab Batch ID: 3153855 **Sample:** 3153855-1-BKS **Batch #:** 1 **Matrix:** Water

Units: mg/L

BLANK /BLANK SPIKE / BLANK SPIKE DUPLICATE RECOVERY STUDY

Chromium, Hexavalent by SW 7196A Analytes	Blank Sample Result [A]	Spike Added [B]	Blank Spike Result [C]	Blank Spike %R [D]	Spike Added [E]	Blank Spike Duplicate Result [F]	Blk. Spk Dup. %R [G]	RPD %	Control Limits %R	Control Limits %RPD	Flag
Chromium, Hexavalent	<0.00273	0.0400	0.0400	100	0.0400	0.0401	100	0	85-115	20	

Relative Percent Difference RPD = 200*|(C-F)/(C+F)|
Blank Spike Recovery [D] = 100*(C)/[B]
Blank Spike Duplicate Recovery [G] = 100*(F)/[E]
All results are based on MDL and Validated for QC Purposes

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BS / BSD Recoveries

Project Name: Eunice Project - N Eunice

Work Order #: 691535 **Project ID:**

Analyst: DEP **Date Prepared:** 03.17.2021 **Date Analyzed:** 03.17.2021

Lab Batch ID: 3154012 **Sample:** 7723525-1-BKS **Batch #:** 1 **Matrix:** Water

Units: mg/L

BLANK /BLANK SPIKE / BLANK SPIKE DUPLICATE RECOVERY STUDY

(N) Dissolved Metals by SW6020A Analytes	Blank Sample Result [A]	Spike Added [B]	Blank Spike Result [C]	Blank Spike %R [D]	Spike Added [E]	Blank Spike Duplicate Result [F]	Blk. Spk Dup. %R [G]	RPD %	Control Limits %R	Control Limits %RPD	Flag
Arsenic	<0.000246	0.100	0.100	100	0.100	0.100	100	0	80-120	20	
Chromium	<0.000525	0.100	0.101	101	0.100	0.101	101	0	80-120	20	
Iron	<0.0227	0.500	0.508	102	0.500	0.501	100	1	80-120	20	
Manganese	<0.000199	0.100	0.100	100	0.100	0.0992	99	1	80-120	20	

Analyst: DTH **Date Prepared:** 03.17.2021 **Date Analyzed:** 03.17.2021

Lab Batch ID: 3154062 **Sample:** 3154062-1-BKS **Batch #:** 1 **Matrix:** Water

Units: mg/L

BLANK /BLANK SPIKE / BLANK SPIKE DUPLICATE RECOVERY STUDY

TDS by SM2540C Analytes	Blank Sample Result [A]	Spike Added [B]	Blank Spike Result [C]	Blank Spike %R [D]	Spike Added [E]	Blank Spike Duplicate Result [F]	Blk. Spk Dup. %R [G]	RPD %	Control Limits %R	Control Limits %RPD	Flag
Total Dissolved Solids	<25.0	1000	1020	102	1000	1010	101	1	90-110	10	

Relative Percent Difference RPD = 200*|(C-F)/(C+F)|
Blank Spike Recovery [D] = 100*(C)/[B]
Blank Spike Duplicate Recovery [G] = 100*(F)/[E]
All results are based on MDL and Validated for QC Purposes

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Form 3 - MS / MSD Recoveries

Project Name: Eunice Project - N Eunice

Report Date: 03232021
Project ID:

Work Order # : 691535

Lab Batch ID: 3153622 **QC- Sample ID:** 691329-006 S **Batch #:** 1 **Matrix:** Water
Date Analyzed: 03.12.2021 **Date Prepared:** 03.12.2021 **Analyst:** CHE
Reporting Units: mg/L

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY STUDY

Chloride by EPA 300 Analytes	Parent Sample Result [A]	Spike Added [B]	Spiked Sample Result [C]	Spiked Sample %R [D]	Spike Added [E]	Duplicate Spiked Sample Result [F]	Spiked Dup. %R [G]	RPD %	Control Limits %R	Control Limits %RPD	Flag
Chloride	58.4	125	198	112	125	198	112	0	90-110	20	X

Lab Batch ID: 3153622 **QC- Sample ID:** 691535-001 S **Batch #:** 1 **Matrix:** Water
Date Analyzed: 03.12.2021 **Date Prepared:** 03.12.2021 **Analyst:** CHE
Reporting Units: mg/L

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY STUDY

Chloride by EPA 300 Analytes	Parent Sample Result [A]	Spike Added [B]	Spiked Sample Result [C]	Spiked Sample %R [D]	Spike Added [E]	Duplicate Spiked Sample Result [F]	Spiked Dup. %R [G]	RPD %	Control Limits %R	Control Limits %RPD	Flag
Chloride	72.1	125	214	114	125	215	114	0	90-110	20	X

Lab Batch ID: 3154284 **QC- Sample ID:** 691535-007 S **Batch #:** 1 **Matrix:** Water
Date Analyzed: 03.18.2021 **Date Prepared:** 03.18.2021 **Analyst:** CHE
Reporting Units: mg/L

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY STUDY

Chloride by EPA 300 Analytes	Parent Sample Result [A]	Spike Added [B]	Spiked Sample Result [C]	Spiked Sample %R [D]	Spike Added [E]	Duplicate Spiked Sample Result [F]	Spiked Dup. %R [G]	RPD %	Control Limits %R	Control Limits %RPD	Flag
Chloride	854	500	1330	95	500	1390	107	4	90-110	20	

Matrix Spike Percent Recovery [D] = 100*(C-A) / B
Relative Percent Difference RPD = 200*|(C-F) / (C+F)|
Matrix Spike Duplicate Percent Recovery [G] = 100*(F-A) / E

ND = Not Detected, J = Present Below Reporting Limit, B = Present in Blank, NR = Not Requested, I = Interference, NA = Not Applicable
N = See Narrative, EQL = Estimated Quantitation Limit, NC = Non Calculable - Sample amount is > 4 times the amount spiked.

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Form 3 - MS / MSD Recoveries

Project Name: Eunice Project - N Eunice

Report Date: 03232021
Project ID:

Work Order # : 691535

Lab Batch ID: 3154284 **QC- Sample ID:** 691574-007 S **Batch #:** 1 **Matrix:** Water

Date Analyzed: 03.18.2021 **Date Prepared:** 03.18.2021 **Analyst:** CHE

Reporting Units: mg/L

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY STUDY

Chloride by EPA 300 Analytes	Parent Sample Result [A]	Spike Added [B]	Spiked Sample Result [C]	Spiked Sample %R [D]	Spike Added [E]	Duplicate Spiked Sample Result [F]	Spiked Dup. %R [G]	RPD %	Control Limits %R	Control Limits %RPD	Flag
Chloride	159	125	289	104	125	290	105	0	90-110	20	

Lab Batch ID: 3153855 **QC- Sample ID:** 691535-001 S **Batch #:** 1 **Matrix:** Water

Date Analyzed: 03.11.2021 **Date Prepared:** 03.11.2021 **Analyst:** SPC

Reporting Units: mg/L

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY STUDY

Chromium, Hexavalent by SW 7196A Analytes	Parent Sample Result [A]	Spike Added [B]	Spiked Sample Result [C]	Spiked Sample %R [D]	Spike Added [E]	Duplicate Spiked Sample Result [F]	Spiked Dup. %R [G]	RPD %	Control Limits %R	Control Limits %RPD	Flag
Chromium, Hexavalent	<0.00273	0.200	0.198	99	0.200	0.198	99	0	75-125	20	

Matrix Spike Percent Recovery [D] = 100*(C-A) / B
Relative Percent Difference RPD = 200*|(C-F) / (C+F)|

Matrix Spike Duplicate Percent Recovery [G] = 100*(F-A) / E

ND = Not Detected, J = Present Below Reporting Limit, B = Present in Blank, NR = Not Requested, I = Interference, NA = Not Applicable
N = See Narrative, EQL = Estimated Quantitation Limit, NC = Non Calculable - Sample amount is > 4 times the amount spiked.

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Form 3 - MS / MSD Recoveries

Project Name: Eunice Project - N Eunice

Work Order # : 691535 **Report Date:** 03232021

Lab Batch ID: 3154012 **QC- Sample ID:** 691534-001 S **Batch #:** 1 **Matrix:** Water

Date Analyzed: 03.17.2021 **Date Prepared:** 03.17.2021 **Analyst:** DEP

Reporting Units: mg/L **Project ID:**

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY STUDY

(N) Dissolved Metals by SW6020A Analytes	Parent Sample Result [A]	Spike Added [B]	Spiked Sample Result [C]	Spiked Sample %R [D]	Spike Added [E]	Duplicate Spiked Sample Result [F]	Spiked Dup. %R [G]	RPD %	Control Limits %R	Control Limits %RPD	Flag
Arsenic	0.00905	0.100	0.108	99	0.100	0.108	99	0	75-125	20	
Chromium <03/18/2021 13:23>	3.23	0.100	3.24	10	0.100	3.24	10	0	75-125	20	X
Iron	<0.0227	0.500	0.501	100	0.500	0.485	97	3	75-125	20	
Manganese	0.000205	0.100	0.0954	95	0.100	0.0924	92	3	75-125	20	

Matrix Spike Percent Recovery [D] = 100*(C-A) / B
Relative Percent Difference RPD = 200*|(C-F) / (C+F)|

Matrix Spike Duplicate Percent Recovery [G] = 100*(F-A) / E

ND = Not Detected, J = Present Below Reporting Limit, B = Present in Blank, NR = Not Requested, I = Interference, NA = Not Applicable
N = See Narrative, EQL = Estimated Quantitation Limit, NC = Non Calculable - Sample amount is > 4 times the amount spiked.

Method Duplicate

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Project Name: Eunice Project - N Eunice

Work Order #: 691535 **Report Date:** 03232021

Lab Batch #: 3154062 **Project ID:**

Date Analyzed: 03.17.2021 15:00 **Date Prepared:** 03.17.2021 **Analyst:** DTH

QC- Sample ID: 691534-004 D **Batch #:** 1 **Matrix:** Water

Reporting Units: mg/L

SAMPLE / SAMPLE DUPLICATE RECOVERY

TDS by SM2540C Analyte	Parent Sample Result [A]	Sample Duplicate Result [B]	RPD	Control Limits %RPD	Flag
Total Dissolved Solids	1030	1020	1	10	

Spike Relative Difference RPD 200 * | (B-A)/(B+A) |
All Results are based on MDL and validated for QC purposes.

BRL - Below Reporting Limit

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Chain of Custody

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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)
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Work Order No: 691535

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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:	303-471-2477	Email:	madisyn.frandsen@arcadis.com

Work Order Comments

Program: UST/PST ☐ PRP ☐ Brownfields ☐ RRC ☐ Superfund ☐
State of Project:
Reporting:Level II ☐ Level III ☐ PST/UST ☐ TRRP ☐ Level IV ☐
Deliverables: EDD ☐ ADaPT ☐ Other:

Project Name:	Eunice Project-N. Eunice	Turn Around	
Project Number:	30049577	Routine	✓
P.O. Number:		Rush:	
Sampler's Name:	Jeny S. Longwell	Due Date:	

SAMPLE RECEIPT			
Temp Blank:	Yes (No)	Wet Ice:	(Yes) No
Temperature (°C):	2.5 | 3.0	Thermometer ID	R8
Received Intact:	(Yes) No		
Cooler Custody Seals:	Yes No (N/A)	Correction Factor:	0.5
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): Aresenic, Maganese, Iron & Chromium	TDS (SM2540C)	Chlorides (EPA 300.0)
MW095	W	03/11/21	0923		3			X	X	X	X
MW070	W	03/11/21	0947		3			X	X	X	X
MW030	W	03/11/21	1005		3			X	X	X	X
MW026	W	03/11/21	1039		3			X	X	X	X
MW027	W	03/11/21	1059		3			X	X	X	X
MW068	W	03/11/21	1121		3			X	X	X	X
MW084	W	03/11/21	1158		3			X	X	X	X
MW065	W	03/11/21	1248		3			X	X	X	X
MW008M	W	03/11/21	1338		3			X	X	X	X
DUP-7	W	03/11/21	—		3			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	Jeny S. Longwell	Carlos Grajeda	03/11/21 1517	2	Carlos Grajeda		3/11/21 17:12
3				4			
5				6			

Revised Date 051418 Rev. 2018.1

Received by OCD: 3/11/2021 2:39:57 PM
Released to Imaging: 12/12/2022 10:42:57 AM
Final 1.000
Page 24 of 28

Released to Imaging: 12/12/2022 10:42:57 AM
Received by OCD: 3/21/2022 2:39:57 PM

Inter-Office Shipment

IOS Number : 79398

Date/Time: 03.12.2021
Created by: Brianna Teel
Please send report to: John Builes

Lab# From: **Midland**
Delivery Priority:
Address: 1211 W. Florida Ave

Lab# To: **El Paso**
Air Bill No.:
E-Mail: john.builes@eurofinset.com

Sample Id	Matrix	Client Sample Id	Sample Collection	Method	Method Name	Lab Due	HT Due	PM	Analytes	Sign
691535-001	W	MW094	03.11.2021 09:23	SM2540C	TDS by SM2540C	03.17.2021	03.18.2021	JHB	TDS	
691535-002	W	MW020	03.11.2021 09:42	SM2540C	TDS by SM2540C	03.17.2021	03.18.2021	JHB	TDS	
691535-003	W	MW030	03.11.2021 10:09	SM2540C	TDS by SM2540C	03.17.2021	03.18.2021	JHB	TDS	
691535-004	W	MW026	03.11.2021 10:39	SM2540C	TDS by SM2540C	03.17.2021	03.18.2021	JHB	TDS	
691535-005	W	MW022	03.11.2021 10:59	SM2540C	TDS by SM2540C	03.17.2021	03.18.2021	JHB	TDS	
691535-006	W	MW068	03.11.2021 11:21	SM2540C	TDS by SM2540C	03.17.2021	03.18.2021	JHB	TDS	
691535-007	W	MW094	03.11.2021 11:58	SM2540C	TDS by SM2540C	03.17.2021	03.18.2021	JHB	TDS	
691535-008	W	MW061	03.11.2021 11:48	SM2540C	TDS by SM2540C	03.17.2021	03.18.2021	JHB	TDS	
691535-009	W	MW008M	03.11.2021 13:38	SM2540C	TDS by SM2540C	03.17.2021	03.18.2021	JHB	TDS	
691535-010	W	DUP-2	03.11.2021 00:00	SM2540C	TDS by SM2540C	03.17.2021	03.18.2021	JHB	TDS	

Inter Office Shipment or Sample Comments:

Relinquished By: Brianna Teel
Brianna Teel

Date Relinquished: 03.12.2021

Received By: _____

Date Received: _____

Cooler Temperature: _____

Released to Imaging: 12/12/2022 10:42:57 AM
Received by OCD: 3/21/2022 2:39:57 PM

Inter-Office Shipment

IOS Number : 79399

Date/Time:	03.12.2021	Created by:	Brianna Teel	Please send report to:	John Builes
Lab# From:	**Midland**	Delivery Priority:		Address:	1211 W. Florida Ave
Lab# To:	**Houston**	Air Bill No.:	773151668891	E-Mail:	john.builes@eurofinset.com

Sample Id	Matrix	Client Sample Id	Sample Collection	Method	Method Name	Lab Due	HT Due	PM	Analytes	Sign
691535-001	W	MW094	03.11.2021 09:23	SW6020_DIS	(N) Dissolved Metals by SW6020A	03.17.2021	09.07.2021	JHB	AS CR FE MN	
691535-002	W	MW020	03.11.2021 09:42	SW6020_DIS	(N) Dissolved Metals by SW6020A	03.17.2021	09.07.2021	JHB	AS CR FE MN	
691535-003	W	MW030	03.11.2021 10:09	SW6020_DIS	(N) Dissolved Metals by SW6020A	03.17.2021	09.07.2021	JHB	AS CR FE MN	
691535-004	W	MW026	03.11.2021 10:39	SW6020_DIS	(N) Dissolved Metals by SW6020A	03.17.2021	09.07.2021	JHB	AS CR FE MN	
691535-005	W	MW022	03.11.2021 10:59	SW6020_DIS	(N) Dissolved Metals by SW6020A	03.17.2021	09.07.2021	JHB	AS CR FE MN	
691535-006	W	MW068	03.11.2021 11:21	SW6020_DIS	(N) Dissolved Metals by SW6020A	03.17.2021	09.07.2021	JHB	AS CR FE MN	
691535-007	W	MW094	03.11.2021 11:58	SW6020_DIS	(N) Dissolved Metals by SW6020A	03.17.2021	09.07.2021	JHB	AS CR FE MN	
691535-008	W	MW061	03.11.2021 11:48	SW6020_DIS	(N) Dissolved Metals by SW6020A	03.17.2021	09.07.2021	JHB	AS CR FE MN	
691535-009	W	MW008M	03.11.2021 13:38	SW6020_DIS	(N) Dissolved Metals by SW6020A	03.17.2021	09.07.2021	JHB	AS CR FE MN	
691535-010	W	DUP-2	03.11.2021 00:00	SW6020_DIS	(N) Dissolved Metals by SW6020A	03.17.2021	09.07.2021	JHB	AS CR FE MN	

Inter Office Shipment or Sample Comments:

Relinquished By: Brianna Teel

Brianna Teel

Date Relinquished: 03.12.2021

Received By: Jose F. Londono

Jose Londono

Date Received: 03.15.2021

Cooler Temperature: 1.2

Eurofins Xenco, LLC

Inter Office Report- Sample Receipt Checklist

Sent To: Houston

IOS #: 79399

Acceptable Temperature Range: 0 - 6 degC
Air and Metal samples Acceptable Range: Ambient
Temperature Measuring device used : HOU-188

Sent By: Brianna Teel **Date Sent:** 03.12.2021 07.23 AM

Received By: Jose Londono **Date Received:** 03.15.2021 09.46 AM

Sample Receipt Checklist		Comments
#1 *Temperature of cooler(s)?	1.2	
#2 *Shipping container in good condition?	**Yes**	
#3 *Samples received with appropriate temperature?	**Yes**	
#4 *Custody Seals intact on shipping container/ cooler?	**Yes**	
#5 *Custody Seals Signed and dated for Containers/coolers	**Yes**	
#6 *IOS present?	**Yes**	
#7 Any missing/extra samples?	**No**	
#8 IOS agrees with sample label(s)/matrix?	**Yes**	
#9 Sample matrix/ properties agree with IOS?	**Yes**	
#10 Samples in proper container/ bottle?	**Yes**	
#11 Samples properly preserved?	**Yes**	
#12 Sample container(s) intact?	**Yes**	
#13 Sufficient sample amount for indicated test(s)?	**Yes**	
#14 All samples received within hold time?	**Yes**	

*** Must be completed for after-hours delivery of samples prior to placing in the refrigerator**

NonConformance:

Corrective Action Taken:

Nonconformance Documentation

Contact: _____ **Contacted by :** _____ **Date:** _____

Checklist reviewed by: Jose Londono Date: 03.15.2021

Eurofins Xenco, LLC

Prelogin/Nonconformance Report- Sample Log-In

Client: ARCADIS

Date/ Time Received: 03.11.2021 05.12.00 PM

Work Order #: 691535

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

Temperature Measuring device used : IR8

Sample Receipt Checklist		Comments
#1 *Temperature of cooler(s)?	3	
#2 *Shipping container in good condition?	**Yes**	
#3 *Samples received on ice?	**Yes**	
#4 *Custody Seals intact on shipping container/ cooler?	**N/A**	
#5 Custody Seals intact on sample bottles?	**N/A**	
#6*Custody Seals Signed and dated?	**N/A**	
#7 *Chain of Custody present?	**Yes**	
#8 Any missing/extra samples?	**No**	
#9 Chain of Custody signed when relinquished/ received?	**Yes**	
#10 Chain of Custody agrees with sample labels/matrix?	**Yes**	
#11 Container label(s) legible and intact?	**Yes**	
#12 Samples in proper container/ bottle?	**Yes**	
#13 Samples properly preserved?	**Yes**	
#14 Sample container(s) intact?	**Yes**	
#15 Sufficient sample amount for indicated test(s)?	**Yes**	
#16 All samples received within hold time?	**Yes**	
#17 Subcontract of sample(s)?	**Yes**	Xenco Stafford
#18 Water VOC samples have zero headspace?	**N/A**	

*** Must be completed for after-hours delivery of samples prior to placing in the refrigerator**

Analyst: JKR PH Device/Lot#: 10BDH1991

Checklist completed by: Brianna Teel Date: 03.12.2021

Brianna Teel

Checklist reviewed by: Date: 03.12.2021

John Builes

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Analytical Report 691534

for

ARCADIS

Project Manager: Sonja Zabienski

Eunice Project - N Eunice

03.19.2021

Collected By: Client

1211 W. Florida Ave
Midland TX 79701

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

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

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

Released to Imaging: 12/12/2022 10:42:57 AM

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03.19.2021

Project Manager: **Sonja Zabienski**
ARCADIS
1004 N. Big Spring St.
Midland, TX 79701

Reference: Eurofins Xenco, LLC Report No(s): **691534**
Eunice Project - N Eunice
Project Address:

Sonja Zabienski:

We are reporting to you the results of the analyses performed on the samples received under the project name referenced above and identified with the Eurofins Xenco, LLC Report Number(s) 691534. All results being reported under this Report Number apply to the samples analyzed and properly identified with a Laboratory ID number. Subcontracted analyses are identified in this report with either the NELAC certification number of the subcontract lab in the analyst ID field, or the complete subcontracted report attached to this report.

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

The validity and integrity of this report will remain intact as long as it is accompanied by this letter and reproduced in full, unless written approval is granted by Eurofins Xenco, LLC. This report will be filed for at least 5 years in our archives after which time it will be destroyed without further notice, unless otherwise arranged with you. The samples received, and described as recorded in Report No. 691534 will be filed for 45 days, and after that time they will be properly disposed without further notice, unless otherwise arranged with you. We reserve the right to return to you any unused samples, extracts or solutions related to them if we consider so necessary (e.g., samples identified as hazardous waste, sample sizes exceeding analytical standard practices, controlled substances under regulated protocols, etc).

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

Respectfully,

John Builes
Project Manager

A Small Business and Minority Company

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

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Sample Cross Reference 691534

ARCADIS, Midland, TX

Eunice Project - N Eunice

Sample Id	Matrix	Date Collected	Sample Depth	Lab Sample Id
MW023	W	03.11.2021 08:57		691534-001
MW012M	W	03.11.2021 09:36		691534-002
MW088M	W	03.11.2021 10:00		691534-003
MW047	W	03.11.2021 11:51		691534-004
MW007A	W	03.11.2021 12:58		691534-005
MW097P	W	03.11.2021 13:26		691534-006
MW087A	W	03.11.2021 14:02		691534-007
DUP 6	W	03.11.2021 00:00		691534-008

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CASE NARRATIVE

Client Name: ARCADIS

Project Name: Eunice Project - N Eunice

Project ID:
Work Order Number(s): *691534*

Report Date: *03.19.2021*
Date Received: *03.11.2021*

This laboratory is NELAC accredited under the Texas Laboratory Accreditation Program for all the methods, analytes, and matrices reported in this data package except as noted. The data have been reviewed and are technically compliant with the requirements of the methods used, except where noted by the laboratory.

Sample receipt non conformances and comments:

Sample receipt non conformances and comments per sample:

None

Analytical non conformances and comments:

Batch: LBA-3153854 Chromium, Hexavalent by SW 7196A

Samples 691534- -002 and -003 were run at dilutions to limit initial color interference (both samples were brown).

Batch: LBA-3154012 (N) Dissolved Metals by SW6020A

Lab Sample ID 691534-001 was randomly selected for Matrix Spike/Matrix Spike Duplicate (MS/MSD). Chromium recovered below QC limits in the Matrix Spike and Matrix Spike Duplicate. Outlier/s are due to possible matrix interference. Samples in the analytical batch are: 691534-001, -002, -003, -004, -005, -006, -007, -008.

The Laboratory Control Sample for Chromium is within laboratory Control Limits, therefore the data was accepted.

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Certificate of Analytical Results

691534

ARCADIS, Midland, TX

Eunice Project - N Eunice

Sample Id: **MW023** Matrix: Water Sample Depth:

Lab Sample Id: 691534-001 Date Collected: 03.11.2021 08:57 Date Received: 03.11.2021 17:12

Analytical Method: Chloride by EPA 300 Prep Method: E300P

Analyst: CHE % Moist:

Seq Number: 3153622 Date Prep: 03.12.2021 15:50 Tech: CHE

Prep seq: 7723227

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Chloride	16887-00-6	**832**	10.0	0.421	mg/L	03.12.2021 22:51		20

Analytical Method: TDS by SM2540C Prep Method:

Analyst: DTH % Moist:

Seq Number: 3153992 Date Prep: Tech: DTH

Subcontractor: SUB: T104704221-20-18 Prep seq:

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Total Dissolved Solids	1642222	**874**	25.0	25.0	mg/L	03.16.2021 17:00		1

Analytical Method: (N) Dissolved Metals by SW6020A Prep Method: 3010A

Analyst: DEP % Moist:

Seq Number: 3154012 Date Prep: 03.17.2021 09:40 Tech: DEP

Subcontractor: SUB: T104704215-20-39 Prep seq: 7723525

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Arsenic	7440-38-2	**0.00905**	0.00400	0.000246	mg/L	03.17.2021 15:40		1
Chromium	7440-47-3	**3.23**	0.0800	0.0105	mg/L	03.18.2021 13:20	DX	20
Iron	7439-89-6	<0.0227	0.100	0.0227	mg/L	03.17.2021 15:40	U	1
Manganese	7439-96-5	**0.000205**	0.00200	0.000199	mg/L	03.17.2021 15:40	J	1

Analytical Method: Chromium, Hexavalent by SW 7196A Prep Method:

Analyst: SPC % Moist:

Seq Number: 3153854 Date Prep: Tech: SPC

Prep seq:

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Chromium, Hexavalent	18540-29-9	**3.65**	0.100	0.0273	mg/L	03.11.2021 18:12		10

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Certificate of Analytical Results

691534

ARCADIS, Midland, TX

Eunice Project - N Eunice

Sample Id: **MW012M** Matrix: Water Sample Depth:

Lab Sample Id: 691534-002 Date Collected: 03.11.2021 09:36 Date Received: 03.11.2021 17:12

Analytical Method: Chloride by EPA 300 Prep Method: E300P

Analyst: CHE % Moist:

Seq Number: 3153622 Date Prep: 03.12.2021 15:50 Tech: CHE

Prep seq: 7723227

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Chloride	16887-00-6	**979**	25.0	1.05	mg/L	03.12.2021 22:56		50

Analytical Method: TDS by SM2540C Prep Method:

Analyst: DTH % Moist:

Seq Number: 3153992 Date Prep: Tech: DTH

Subcontractor: SUB: T104704221-20-18 Prep seq:

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Total Dissolved Solids	1642222	**866**	25.0	25.0	mg/L	03.16.2021 17:00		1

Analytical Method: (N) Dissolved Metals by SW6020A Prep Method: 3010A

Analyst: DEP % Moist:

Seq Number: 3154012 Date Prep: 03.17.2021 09:40 Tech: DEP

Subcontractor: SUB: T104704215-20-39 Prep seq: 7723525

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Arsenic	7440-38-2	**0.0297**	0.00400	0.000246	mg/L	03.17.2021 16:00		1
Chromium	7440-47-3	**0.108**	0.00400	0.000525	mg/L	03.17.2021 16:00		1
Iron	7439-89-6	**18.2**	0.100	0.0227	mg/L	03.17.2021 16:00		1
Manganese	7439-96-5	**1.68**	0.0400	0.00397	mg/L	03.18.2021 13:28	D	20

Analytical Method: Chromium, Hexavalent by SW 7196A Prep Method:

Analyst: SPC % Moist:

Seq Number: 3153854 Date Prep: Tech: SPC

Prep seq:

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Chromium, Hexavalent	18540-29-9	<0.0273	0.100	0.0273	mg/L	03.11.2021 18:12	U	10

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Certificate of Analytical Results

691534

ARCADIS, Midland, TX

Eunice Project - N Eunice

Sample Id: **MW088M** Matrix: Water Sample Depth:

Lab Sample Id: 691534-003 Date Collected: 03.11.2021 10:00 Date Received: 03.11.2021 17:12

Analytical Method: Chloride by EPA 300 Prep Method: E300P

Analyst: CHE % Moist:

Seq Number: 3153622 Date Prep: 03.12.2021 15:50 Tech: CHE

Prep seq: 7723227

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Chloride	16887-00-6	**963**	25.0	1.05	mg/L	03.12.2021 23:02		50

Analytical Method: TDS by SM2540C Prep Method:

Analyst: DTH % Moist:

Seq Number: 3154062 Date Prep: Tech: DTH

Subcontractor: SUB: T104704221-20-18 Prep seq:

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Total Dissolved Solids	1642222	**822**	25.0	25.0	mg/L	03.17.2021 15:00		1

Analytical Method: (N) Dissolved Metals by SW6020A Prep Method: 3010A

Analyst: DEP % Moist:

Seq Number: 3154012 Date Prep: 03.17.2021 09:40 Tech: DEP

Subcontractor: SUB: T104704215-20-39 Prep seq: 7723525

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Arsenic	7440-38-2	**0.0218**	0.00400	0.000246	mg/L	03.17.2021 16:02		1
Chromium	7440-47-3	**0.0177**	0.00400	0.000525	mg/L	03.17.2021 16:02		1
Iron	7439-89-6	**12.0**	0.100	0.0227	mg/L	03.17.2021 16:02		1
Manganese	7439-96-5	**0.183**	0.00200	0.000199	mg/L	03.17.2021 16:02		1

Analytical Method: Chromium, Hexavalent by SW 7196A Prep Method:

Analyst: SPC % Moist:

Seq Number: 3153854 Date Prep: Tech: SPC

Prep seq:

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Chromium, Hexavalent	18540-29-9	<0.0273	0.100	0.0273	mg/L	03.11.2021 18:12	U	10

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Certificate of Analytical Results
691534
ARCADIS, Midland, TX
Eunice Project - N Eunice

Sample Id: **MW047** Matrix: Water Sample Depth:

Lab Sample Id: 691534-004 Date Collected: 03.11.2021 11:51 Date Received: 03.11.2021 17:12

Analytical Method: Chloride by EPA 300 Prep Method: E300P

Analyst: CHE % Moist:

Seq Number: 3153622 Date Prep: 03.12.2021 15:50 Tech: CHE

Prep seq: 7723227

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Chloride	16887-00-6	**266**	5.00	0.210	mg/L	03.12.2021 23:07		10

Analytical Method: TDS by SM2540C Prep Method:

Analyst: DTH % Moist:

Seq Number: 3154062 Date Prep: Tech: DTH

Subcontractor: SUB: T104704221-20-18 Prep seq:

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Total Dissolved Solids	1642222	**1030**	25.0	25.0	mg/L	03.17.2021 15:00		1

Analytical Method: (N) Dissolved Metals by SW6020A Prep Method: 3010A

Analyst: DEP % Moist:

Seq Number: 3154012 Date Prep: 03.17.2021 09:40 Tech: DEP

Subcontractor: SUB: T104704215-20-39 Prep seq: 7723525

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Arsenic	7440-38-2	**0.0100**	0.00400	0.000246	mg/L	03.17.2021 16:05		1
Chromium	7440-47-3	**0.0800**	0.00400	0.000525	mg/L	03.17.2021 16:05		1
Iron	7439-89-6	<0.0227	0.100	0.0227	mg/L	03.17.2021 16:05	U	1
Manganese	7439-96-5	**0.000253**	0.00200	0.000199	mg/L	03.17.2021 16:05	J	1

Analytical Method: Chromium, Hexavalent by SW 7196A Prep Method:

Analyst: SPC % Moist:

Seq Number: 3153854 Date Prep: Tech: SPC

Prep seq:

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Chromium, Hexavalent	18540-29-9	**0.0781**	0.0100	0.00273	mg/L	03.11.2021 18:12		1

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Certificate of Analytical Results

691534

ARCADIS, Midland, TX

Eunice Project - N Eunice

Sample Id: **MW007A** Matrix: Water Sample Depth:

Lab Sample Id: 691534-005 Date Collected: 03.11.2021 12:58 Date Received: 03.11.2021 17:12

Analytical Method: Chloride by EPA 300 Prep Method: E300P

Analyst: CHE % Moist:

Seq Number: 3153622 Date Prep: 03.12.2021 15:50 Tech: CHE

Prep seq: 7723227

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Chloride	16887-00-6	**862**	10.0	0.421	mg/L	03.12.2021 23:30		20

Analytical Method: TDS by SM2540C Prep Method:

Analyst: DTH % Moist:

Seq Number: 3154062 Date Prep: Tech: DTH

Subcontractor: SUB: T104704221-20-18 Prep seq:

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Total Dissolved Solids	1642222	**798**	25.0	25.0	mg/L	03.17.2021 15:00		1

Analytical Method: (N) Dissolved Metals by SW6020A Prep Method: 3010A

Analyst: DEP % Moist:

Seq Number: 3154012 Date Prep: 03.17.2021 09:40 Tech: DEP

Subcontractor: SUB: T104704215-20-39 Prep seq: 7723525

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Arsenic	7440-38-2	**0.0116**	0.00400	0.000246	mg/L	03.17.2021 16:08		1
Chromium	7440-47-3	**0.773**	0.00400	0.000525	mg/L	03.17.2021 16:08		1
Iron	7439-89-6	<0.0227	0.100	0.0227	mg/L	03.17.2021 16:08	U	1
Manganese	7439-96-5	**0.00232**	0.00200	0.000199	mg/L	03.17.2021 16:08		1

Analytical Method: Chromium, Hexavalent by SW 7196A Prep Method:

Analyst: SPC % Moist:

Seq Number: 3153854 Date Prep: Tech: SPC

Prep seq:

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Chromium, Hexavalent	18540-29-9	**0.810**	0.0500	0.0136	mg/L	03.11.2021 18:12		5

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Certificate of Analytical Results

691534

ARCADIS, Midland, TX

Eunice Project - N Eunice

Sample Id: **MW097P** Matrix: Water Sample Depth:

Lab Sample Id: 691534-006 Date Collected: 03.11.2021 13:26 Date Received: 03.11.2021 17:12

Analytical Method: Chloride by EPA 300 Prep Method: E300P

Analyst: CHE % Moist:

Seq Number: 3153622 Date Prep: 03.12.2021 15:50 Tech: CHE

Prep seq: 7723227

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Chloride	16887-00-6	**959**	25.0	1.05	mg/L	03.12.2021 23:35		50

Analytical Method: TDS by SM2540C Prep Method:

Analyst: DTH % Moist:

Seq Number: 3154062 Date Prep: Tech: DTH

Subcontractor: SUB: T104704221-20-18 Prep seq:

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Total Dissolved Solids	1642222	**913**	25.0	25.0	mg/L	03.17.2021 15:00		1

Analytical Method: (N) Dissolved Metals by SW6020A Prep Method: 3010A

Analyst: DEP % Moist:

Seq Number: 3154012 Date Prep: 03.17.2021 09:40 Tech: DEP

Subcontractor: SUB: T104704215-20-39 Prep seq: 7723525

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Arsenic	7440-38-2	**0.0111**	0.00400	0.000246	mg/L	03.17.2021 16:11		1
Chromium	7440-47-3	**0.446**	0.00400	0.000525	mg/L	03.17.2021 16:11		1
Iron	7439-89-6	<0.0227	0.100	0.0227	mg/L	03.17.2021 16:11	U	1
Manganese	7439-96-5	**0.0559**	0.00200	0.000199	mg/L	03.17.2021 16:11		1

Analytical Method: Chromium, Hexavalent by SW 7196A Prep Method:

Analyst: SPC % Moist:

Seq Number: 3153854 Date Prep: Tech: SPC

Prep seq:

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Chromium, Hexavalent	18540-29-9	**0.467**	0.0100	0.00273	mg/L	03.11.2021 18:12		1

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Certificate of Analytical Results
691534
ARCADIS, Midland, TX
Eunice Project - N Eunice

Sample Id: **MW087A** Matrix: Water Sample Depth:

Lab Sample Id: 691534-007 Date Collected: 03.11.2021 14:02 Date Received: 03.11.2021 17:12

Analytical Method: Chloride by EPA 300 Prep Method: E300P

Analyst: CHE % Moist:

Seq Number: 3153622 Date Prep: 03.12.2021 15:50 Tech: CHE

Prep seq: 7723227

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Chloride	16887-00-6	**1180**	25.0	1.05	mg/L	03.12.2021 23:52		50

Analytical Method: TDS by SM2540C Prep Method:

Analyst: DTH % Moist:

Seq Number: 3154062 Date Prep: Tech: DTH

Subcontractor: SUB: T104704221-20-18 Prep seq:

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Total Dissolved Solids	1642222	**895**	25.0	25.0	mg/L	03.17.2021 15:00		1

Analytical Method: (N) Dissolved Metals by SW6020A Prep Method: 3010A

Analyst: DEP % Moist:

Seq Number: 3154012 Date Prep: 03.17.2021 09:40 Tech: DEP

Subcontractor: SUB: T104704215-20-39 Prep seq: 7723525

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Arsenic	7440-38-2	**0.00302**	0.00400	0.000246	mg/L	03.17.2021 16:14	J	1
Chromium	7440-47-3	**0.0723**	0.00400	0.000525	mg/L	03.17.2021 16:14		1
Iron	7439-89-6	**6.97**	0.100	0.0227	mg/L	03.17.2021 16:14		1
Manganese	7439-96-5	**0.205**	0.00200	0.000199	mg/L	03.17.2021 16:14		1

Analytical Method: Chromium, Hexavalent by SW 7196A Prep Method:

Analyst: SPC % Moist:

Seq Number: 3153854 Date Prep: Tech: SPC

Prep seq:

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Chromium, Hexavalent	18540-29-9	<0.00273	0.0100	0.00273	mg/L	03.11.2021 18:12	U	1

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Certificate of Analytical Results
691534
ARCADIS, Midland, TX
Eunice Project - N Eunice

Sample Id: **DUP 6** Matrix: Water Sample Depth:

Lab Sample Id: 691534-008 Date Collected: 03.11.2021 00:00 Date Received: 03.11.2021 17:12

Analytical Method: Chloride by EPA 300 Prep Method: E300P

Analyst: CHE % Moist:

Seq Number: 3153622 Date Prep: 03.12.2021 15:50 Tech: CHE

Prep seq: 7723227

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Chloride	16887-00-6	**260**	5.00	0.210	mg/L	03.12.2021 23:57		10

Analytical Method: TDS by SM2540C Prep Method:

Analyst: DTH % Moist:

Seq Number: 3154062 Date Prep: Tech: DTH

Subcontractor: SUB: T104704221-20-18 Prep seq:

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Total Dissolved Solids	1642222	**1050**	25.0	25.0	mg/L	03.17.2021 15:00		1

Analytical Method: (N) Dissolved Metals by SW6020A Prep Method: 3010A

Analyst: DEP % Moist:

Seq Number: 3154012 Date Prep: 03.17.2021 09:40 Tech: DEP

Subcontractor: SUB: T104704215-20-39 Prep seq: 7723525

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Arsenic	7440-38-2	**0.00944**	0.00400	0.000246	mg/L	03.17.2021 16:17		1
Chromium	7440-47-3	**0.0732**	0.00400	0.000525	mg/L	03.17.2021 16:17		1
Iron	7439-89-6	<0.0227	0.100	0.0227	mg/L	03.17.2021 16:17	U	1
Manganese	7439-96-5	<0.000199	0.00200	0.000199	mg/L	03.17.2021 16:17	U	1

Analytical Method: Chromium, Hexavalent by SW 7196A Prep Method:

Analyst: SPC % Moist:

Seq Number: 3153854 Date Prep: Tech: SPC

Prep seq:

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Chromium, Hexavalent	18540-29-9	**0.0769**	0.0100	0.00273	mg/L	03.11.2021 18:12		1

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Certificate of Analytical Results

691534

ARCADIS, Midland, TX

Eunice Project - N Eunice

Sample Id: **3153854-1-BLK** Matrix: Water Sample Depth:

Lab Sample Id: 3153854-1-BLK Date Collected: Date Received:

Analytical Method: Chromium, Hexavalent by SW 7196A Prep Method:

Analyst: SPC % Moist:

Seq Number: 3153854 Date Prep: Tech: SPC

Prep seq:

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Chromium, Hexavalent	18540-29-9	<0.00273	0.0100	0.00273	mg/L	03.11.2021 18:12	U	1

Sample Id: **3153992-1-BLK** Matrix: Water Sample Depth:

Lab Sample Id: 3153992-1-BLK Date Collected: Date Received:

Analytical Method: TDS by SM2540C Prep Method:

Analyst: DTH % Moist:

Seq Number: 3153992 Date Prep: Tech: DTH

Subcontractor: SUB: T104704221-20-18 Prep seq:

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Total Dissolved Solids	1642222	<12.5	12.5	12.5	mg/L	03.16.2021 17:00	U	1

Sample Id: **3154062-1-BLK** Matrix: Water Sample Depth:

Lab Sample Id: 3154062-1-BLK Date Collected: Date Received:

Analytical Method: TDS by SM2540C Prep Method:

Analyst: DTH % Moist:

Seq Number: 3154062 Date Prep: Tech: DTH

Subcontractor: SUB: T104704221-20-18 Prep seq:

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Total Dissolved Solids	1642222	<25.0	25.0	25.0	mg/L	03.17.2021 15:00	U	1

Sample Id: **7723227-1-BLK** Matrix: Water Sample Depth:

Lab Sample Id: 7723227-1-BLK Date Collected: Date Received:

Analytical Method: Chloride by EPA 300 Prep Method: E300P

Analyst: CHE % Moist:

Seq Number: 3153622 Date Prep: 03.12.2021 15:50 Tech: CHE

Prep seq: 7723227

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Chloride	16887-00-6	<0.0210	0.500	0.0210	mg/L	03.12.2021 21:39	U	1

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Certificate of Analytical Results
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ARCADIS, Midland, TX
Eunice Project - N Eunice

Sample Id:	**7723525-1-BLK**	Matrix:	Water	Sample Depth:	
Lab Sample Id:	7723525-1-BLK	Date Collected:		Date Received:	
Analytical Method:	(N) Dissolved Metals by SW6020A			Prep Method:	3010A
Analyst:	DEP	% Moist:			
Seq Number:	3154012	Date Prep:	03.17.2021 09:40	Tech:	DEP
Subcontractor:	SUB: T104704215-20-39	Prep seq:	7723525		

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Arsenic	7440-38-2	<0.000246	0.00400	0.000246	mg/L	03.17.2021 15:31	U	1
Chromium	7440-47-3	<0.000525	0.00400	0.000525	mg/L	03.17.2021 15:31	U	1
Iron	7439-89-6	<0.0227	0.100	0.0227	mg/L	03.17.2021 15:31	U	1
Manganese	7439-96-5	<0.000199	0.00200	0.000199	mg/L	03.17.2021 15:31	U	1

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Flagging Criteria

X In our quality control review of the data a QC deficiency was observed and flagged as noted. MS/MSD recoveries were found to be outside of the laboratory control limits due to possible matrix /chemical interference, or a concentration of target analyte high enough to affect the recovery of the spike concentration. This condition could also affect the relative percent difference in the MS/MSD.

B A target analyte or common laboratory contaminant was identified in the method blank. Its presence indicates possible field or laboratory contamination.

D The sample(s) were diluted due to targets detected over the highest point of the calibration curve, or due to matrix interference. Dilution factors are included in the final results. The result is from a diluted sample.

E The data exceeds the upper calibration limit; therefore, the concentration is reported as estimated.

F RPD exceeded lab control limits.

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

U Analyte was not detected.

L The LCS data for this analytical batch was reported below the laboratory control limits for this analyte. The department supervisor and QA Director reviewed data. The samples were either reanalyzed or flagged as estimated concentrations.

H The LCS data for this analytical batch was reported above the laboratory control limits. Supporting QC Data were reviewed by the Department Supervisor and QA Director. Data were determined to be valid for reporting.

K Sample analyzed outside of recommended hold time.

JN A combination of the "N" and the "J" qualifier. The analysis indicates that the analyte is "tentatively identified" and the associated numerical value may not be consistent with the amount actually present in the environmental sample.

** Surrogate recovered outside laboratory control limit.

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

RL Reporting Limit

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

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

DL Method Detection Limit

NC Non-Calculable

SMP Client Sample **BLK** Method Blank

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

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

+ NELAC certification not offered for this compound.

* (Next to analyte name or method description) = Outside XENCO's scope of NELAC accreditation

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BS / BSD Recoveries

Project Name: Eunice Project - N Eunice

Work Order #: 691534 **Project ID:**

Analyst: CHE **Date Prepared:** 03.12.2021 **Date Analyzed:** 03.12.2021

Lab Batch ID: 3153622 **Sample:** 7723227-1-BKS **Batch #:** 1 **Matrix:** Water

Units: mg/L

BLANK /BLANK SPIKE / BLANK SPIKE DUPLICATE RECOVERY STUDY

Chloride by EPA 300 Analytes	Blank Sample Result [A]	Spike Added [B]	Blank Spike Result [C]	Blank Spike %R [D]	Spike Added [E]	Blank Spike Duplicate Result [F]	Blk. Spk Dup. %R [G]	RPD %	Control Limits %R	Control Limits %RPD	Flag
Chloride	<0.0210	25.0	26.0	104	25.0	26.1	104	0	90-110	20	

Analyst: SPC **Date Prepared:** 03.11.2021 **Date Analyzed:** 03.11.2021

Lab Batch ID: 3153854 **Sample:** 3153854-1-BKS **Batch #:** 1 **Matrix:** Water

Units: mg/L

BLANK /BLANK SPIKE / BLANK SPIKE DUPLICATE RECOVERY STUDY

Chromium, Hexavalent by SW 7196A Analytes	Blank Sample Result [A]	Spike Added [B]	Blank Spike Result [C]	Blank Spike %R [D]	Spike Added [E]	Blank Spike Duplicate Result [F]	Blk. Spk Dup. %R [G]	RPD %	Control Limits %R	Control Limits %RPD	Flag
Chromium, Hexavalent	<0.00273	0.0400	0.0405	101	0.0400	0.0404	101	0	85-115	20	

Analyst: DEP **Date Prepared:** 03.17.2021 **Date Analyzed:** 03.17.2021

Lab Batch ID: 3154012 **Sample:** 7723525-1-BKS **Batch #:** 1 **Matrix:** Water

Units: mg/L

BLANK /BLANK SPIKE / BLANK SPIKE DUPLICATE RECOVERY STUDY

(N) Dissolved Metals by SW6020A Analytes	Blank Sample Result [A]	Spike Added [B]	Blank Spike Result [C]	Blank Spike %R [D]	Spike Added [E]	Blank Spike Duplicate Result [F]	Blk. Spk Dup. %R [G]	RPD %	Control Limits %R	Control Limits %RPD	Flag
Arsenic	<0.000246	0.100	0.100	100	0.100	0.100	100	0	80-120	20	
Chromium	<0.000525	0.100	0.101	101	0.100	0.101	101	0	80-120	20	
Iron	<0.0227	0.500	0.508	102	0.500	0.501	100	1	80-120	20	
Manganese	<0.000199	0.100	0.100	100	0.100	0.0992	99	1	80-120	20	

Relative Percent Difference RPD = 200*|(C-F)/(C+F)|
Blank Spike Recovery [D] = 100*(C)/[B]
Blank Spike Duplicate Recovery [G] = 100*(F)/[E]
All results are based on MDL and Validated for QC Purposes

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BS / BSD Recoveries

Project Name: Eunice Project - N Eunice

Work Order #: 691534 **Project ID:**

Analyst: DTH **Date Prepared:** 03.16.2021 **Date Analyzed:** 03.16.2021

Lab Batch ID: 3153992 **Sample:** 3153992-1-BKS **Batch #:** 1 **Matrix:** Water

Units: mg/L

BLANK /BLANK SPIKE / BLANK SPIKE DUPLICATE RECOVERY STUDY

TDS by SM2540C Analytes	Blank Sample Result [A]	Spike Added [B]	Blank Spike Result [C]	Blank Spike %R [D]	Spike Added [E]	Blank Spike Duplicate Result [F]	Blk. Spk Dup. %R [G]	RPD %	Control Limits %R	Control Limits %RPD	Flag
Total Dissolved Solids	<25.0	1000	959	96	1000	936	94	2	90-110	10	

Analyst: DTH **Date Prepared:** 03.17.2021 **Date Analyzed:** 03.17.2021

Lab Batch ID: 3154062 **Sample:** 3154062-1-BKS **Batch #:** 1 **Matrix:** Water

Units: mg/L

BLANK /BLANK SPIKE / BLANK SPIKE DUPLICATE RECOVERY STUDY

TDS by SM2540C Analytes	Blank Sample Result [A]	Spike Added [B]	Blank Spike Result [C]	Blank Spike %R [D]	Spike Added [E]	Blank Spike Duplicate Result [F]	Blk. Spk Dup. %R [G]	RPD %	Control Limits %R	Control Limits %RPD	Flag
Total Dissolved Solids	<25.0	1000	1020	102	1000	1010	101	1	90-110	10	

Relative Percent Difference RPD = 200*|(C-F)/(C+F)|
Blank Spike Recovery [D] = 100*(C)/[B]
Blank Spike Duplicate Recovery [G] = 100*(F)/[E]
All results are based on MDL and Validated for QC Purposes

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Form 3 - MS / MSD Recoveries

Project Name: Eunice Project - N Eunice

Report Date: 03192021
Project ID:

Work Order # : 691534

Lab Batch ID: 3153622 **QC- Sample ID:** 691329-006 S **Batch #:** 1 **Matrix:** Water
Date Analyzed: 03.12.2021 **Date Prepared:** 03.12.2021 **Analyst:** CHE
Reporting Units: mg/L

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY STUDY

Chloride by EPA 300 Analytes	Parent Sample Result [A]	Spike Added [B]	Spiked Sample Result [C]	Spiked Sample %R [D]	Spike Added [E]	Duplicate Spiked Sample Result [F]	Spiked Dup. %R [G]	RPD %	Control Limits %R	Control Limits %RPD	Flag
Chloride	58.4	125	198	112	125	198	112	0	90-110	20	X

Lab Batch ID: 3153622 **QC- Sample ID:** 691535-001 S **Batch #:** 1 **Matrix:** Water
Date Analyzed: 03.12.2021 **Date Prepared:** 03.12.2021 **Analyst:** CHE
Reporting Units: mg/L

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY STUDY

Chloride by EPA 300 Analytes	Parent Sample Result [A]	Spike Added [B]	Spiked Sample Result [C]	Spiked Sample %R [D]	Spike Added [E]	Duplicate Spiked Sample Result [F]	Spiked Dup. %R [G]	RPD %	Control Limits %R	Control Limits %RPD	Flag
Chloride	72.1	125	214	114	125	215	114	0	90-110	20	X

Lab Batch ID: 3153854 **QC- Sample ID:** 691534-004 S **Batch #:** 1 **Matrix:** Water
Date Analyzed: 03.11.2021 **Date Prepared:** 03.11.2021 **Analyst:** SPC
Reporting Units: mg/L

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY STUDY

Chromium, Hexavalent by SW 7196A Analytes	Parent Sample Result [A]	Spike Added [B]	Spiked Sample Result [C]	Spiked Sample %R [D]	Spike Added [E]	Duplicate Spiked Sample Result [F]	Spiked Dup. %R [G]	RPD %	Control Limits %R	Control Limits %RPD	Flag
Chromium, Hexavalent	0.0781	0.200	0.280	101	0.200	0.280	101	0	75-125	20	

Matrix Spike Percent Recovery [D] = 100*(C-A) / B
Relative Percent Difference RPD = 200*|(C-F) / (C+F)|
Matrix Spike Duplicate Percent Recovery [G] = 100*(F-A) / E

ND = Not Detected, J = Present Below Reporting Limit, B = Present in Blank, NR = Not Requested, I = Interference, NA = Not Applicable
N = See Narrative, EQL = Estimated Quantitation Limit, NC = Non Calculable - Sample amount is > 4 times the amount spiked.

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Form 3 - MS / MSD Recoveries

Project Name: Eunice Project - N Eunice

Work Order # : 691534 **Report Date:** 03192021

Lab Batch ID: 3154012 **QC- Sample ID:** 691534-001 S **Batch #:** 1 **Matrix:** Water

Date Analyzed: 03.17.2021 **Date Prepared:** 03.17.2021 **Analyst:** DEP

Reporting Units: mg/L **Project ID:**

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY STUDY

(N) Dissolved Metals by SW6020A Analytes	Parent Sample Result [A]	Spike Added [B]	Spiked Sample Result [C]	Spiked Sample %R [D]	Spike Added [E]	Duplicate Spiked Sample Result [F]	Spiked Dup. %R [G]	RPD %	Control Limits %R	Control Limits %RPD	Flag
Arsenic	0.00905	0.100	0.108	99	0.100	0.108	99	0	75-125	20	
Chromium <03/18/2021 13:23>	3.23	0.100	3.24	10	0.100	3.24	10	0	75-125	20	X
Iron	<0.0227	0.500	0.501	100	0.500	0.485	97	3	75-125	20	
Manganese	0.000205	0.100	0.0954	95	0.100	0.0924	92	3	75-125	20	

Matrix Spike Percent Recovery [D] = 100*(C-A) / B
Relative Percent Difference RPD = 200*|(C-F) / (C+F)|

Matrix Spike Duplicate Percent Recovery [G] = 100*(F-A) / E

ND = Not Detected, J = Present Below Reporting Limit, B = Present in Blank, NR = Not Requested, I = Interference, NA = Not Applicable
N = See Narrative, EQL = Estimated Quantitation Limit, NC = Non Calculable - Sample amount is > 4 times the amount spiked.

Method Duplicate

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Project Name: Eunice Project - N Eunice

Work Order #: 691534 **Report Date:** 03192021

Lab Batch #: 3153992 **Project ID:**

Date Analyzed: 03.16.2021 17:00 **Date Prepared:** 03.16.2021 **Analyst:** DTH

QC- Sample ID: 691328-011 D **Batch #:** 1 **Matrix:** Water

Reporting Units: mg/L

SAMPLE / SAMPLE DUPLICATE RECOVERY

TDS by SM2540C Analyte	Parent Sample Result [A]	Sample Duplicate Result [B]	RPD	Control Limits %RPD	Flag
Total Dissolved Solids	863	812	6	10	

Lab Batch #: 3154062

Date Analyzed: 03.17.2021 15:00 **Date Prepared:** 03.17.2021 **Analyst:** DTH

QC- Sample ID: 691534-004 D **Batch #:** 1 **Matrix:** Water

Reporting Units: mg/L

SAMPLE / SAMPLE DUPLICATE RECOVERY

TDS by SM2540C Analyte	Parent Sample Result [A]	Sample Duplicate Result [B]	RPD	Control Limits %RPD	Flag
Total Dissolved Solids	1030	1020	1	10	

Spike Relative Difference RPD 200 * | (B-A)/(B+A) |
All Results are based on MDL and validated for QC purposes.

BRL - Below Reporting Limit

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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)
www.xenco.com

Work Order No: 691534

Page 1 of 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:	303-471-2477	Email:	madisyn.frandsen@arcadis.com

Work Order Comments

Program: UST/PST ☐ PRP ☐ Brownfields ☐ RRC ☐ Superfund ☐
State of Project:
Reporting:Level II ☐ Level III ☐ PST/UST ☐ TRRP ☐ Level IV ☐
Deliverables: EDD ☐ ADaPT ☐ Other:

Project Name:	Eunice Project-N. Eunice	Turn Around	
Project Number:	30049577	Routine	✓
P.O. Number:		Rush:	
Sampler's Name:	Carlos Granada	Due Date:	

SAMPLE RECEIPT			
Temp Blank:	Yes (No)	Wet Ice:	(Yes) No
Temperature (°C):	2.5/3.0	Thermometer ID	
Received Intact:	(Yes) No		128
Cooler Custody Seals:	Yes No (N/A)	Correction Factor:	0.5
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): Aresenic, Maganese, Iron & Chromium	TDS (SM2540C)	Chlorides (EPA 300.0)
MW023	W	3-11-21	857		3			X	X	X	X
MW012M	W	3-11-21	936		3			X	X	X	X
MW088M	W	3-11-21	1000		3			X	X	X	X
MW047	W	3-11-21	1151		3			X	X	X	X
MW007A	W	3-11-21	1258		3			X	X	X	X
MW097P	W	3-11-21	1326		3			X	X	X	X
MW087A	W	3-11-21	1402		3			X	X	X	X
Dup 6	W	3-11-21	—		3			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	Carlos Granada		3/11/21 17:12	2		
3				4		
5				6		

Revised Date 051418 Rev. 2018.1

Received by OCD: 3/21/2022 2:39:57 PM
Released to Imaging: 12/12/2022 10:42:57 AM
Final 1.000
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Released to Imaging: 12/12/2022 10:42:57 AM
Received by OCD: 3/21/2022 2:39:57 PM

Inter-Office Shipment

IOS Number : 79400

Date/Time: 03.12.2021
Created by: Brianna Teel
Please send report to: John Builes

Lab# From: **Midland**
Delivery Priority:
Address: 1211 W. Florida Ave

Lab# To: **El Paso**
Air Bill No.:
E-Mail: john.builes@eurofinset.com

Sample Id	Matrix	Client Sample Id	Sample Collection	Method	Method Name	Lab Due	HT Due	PM	Analytes	Sign
691534-001	W	MW023	03.11.2021 08:57	SM2540C	TDS by SM2540C	03.17.2021	03.18.2021	JHB	TDS	
691534-002	W	MW012M	03.11.2021 09:36	SM2540C	TDS by SM2540C	03.17.2021	03.18.2021	JHB	TDS	
691534-003	W	MW088M	03.11.2021 10:00	SM2540C	TDS by SM2540C	03.17.2021	03.18.2021	JHB	TDS	
691534-004	W	MW047	03.11.2021 11:51	SM2540C	TDS by SM2540C	03.17.2021	03.18.2021	JHB	TDS	
691534-005	W	MW007A	03.11.2021 12:58	SM2540C	TDS by SM2540C	03.17.2021	03.18.2021	JHB	TDS	
691534-006	W	MW097P	03.11.2021 13:26	SM2540C	TDS by SM2540C	03.17.2021	03.18.2021	JHB	TDS	
691534-007	W	MW087A	03.11.2021 14:02	SM2540C	TDS by SM2540C	03.17.2021	03.18.2021	JHB	TDS	
691534-008	W	DUP 6	03.11.2021 00:00	SM2540C	TDS by SM2540C	03.17.2021	03.18.2021	JHB	TDS	

Inter Office Shipment or Sample Comments:

Relinquished By: Brianna Teel
Brianna Teel

Date Relinquished: 03.12.2021

Received By: _____

Date Received: _____

Cooler Temperature: _____

Released to Imaging: 12/12/2022 10:42:57 AM
Received by OCD: 3/21/2022 2:39:57 PM

Inter-Office Shipment

IOS Number : 79401

Date/Time:	03.12.2021	Created by:	Brianna Teel	Please send report to:	John Builes
Lab# From:	**Midland**	Delivery Priority:		Address:	1211 W. Florida Ave
Lab# To:	**Houston**	Air Bill No.:	773151668891	E-Mail:	john.builes@eurofinset.com

Sample Id	Matrix	Client Sample Id	Sample Collection	Method	Method Name	Lab Due	HT Due	PM	Analytes	Sign
691534-001	W	MW023	03.11.2021 08:57	SW6020_DIS	(N) Dissolved Metals by SW6020A	03.17.2021	09.07.2021	JHB	AS CR FE MN	
691534-002	W	MW012M	03.11.2021 09:36	SW6020_DIS	(N) Dissolved Metals by SW6020A	03.17.2021	09.07.2021	JHB	AS CR FE MN	
691534-003	W	MW088M	03.11.2021 10:00	SW6020_DIS	(N) Dissolved Metals by SW6020A	03.17.2021	09.07.2021	JHB	AS CR FE MN	
691534-004	W	MW047	03.11.2021 11:51	SW6020_DIS	(N) Dissolved Metals by SW6020A	03.17.2021	09.07.2021	JHB	AS CR FE MN	
691534-005	W	MW007A	03.11.2021 12:58	SW6020_DIS	(N) Dissolved Metals by SW6020A	03.17.2021	09.07.2021	JHB	AS CR FE MN	
691534-006	W	MW097P	03.11.2021 13:26	SW6020_DIS	(N) Dissolved Metals by SW6020A	03.17.2021	09.07.2021	JHB	AS CR FE MN	
691534-007	W	MW087A	03.11.2021 14:02	SW6020_DIS	(N) Dissolved Metals by SW6020A	03.17.2021	09.07.2021	JHB	AS CR FE MN	
691534-008	W	DUP 6	03.11.2021 00:00	SW6020_DIS	(N) Dissolved Metals by SW6020A	03.17.2021	09.07.2021	JHB	AS CR FE MN	

Inter Office Shipment or Sample Comments:

Relinquished By: Brianna Teel

Date Relinquished: 03.12.2021

Received By: Jose Londono

Date Received: 03.15.2021

Cooler Temperature: 1.2

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Environment Testing Xenco

Eurofins Xenco, LLC

Inter Office Report- Sample Receipt Checklist

Sent To: Houston

IOS #: 79401

Acceptable Temperature Range: 0 - 6 degC
Air and Metal samples Acceptable Range: Ambient
Temperature Measuring device used : HOU-188

Sent By: Brianna Teel **Date Sent:** 03.12.2021 07.23 AM

Received By: Jose Londono **Date Received:** 03.15.2021 09.46 AM

Sample Receipt Checklist		Comments
#1 *Temperature of cooler(s)?	1.2	
#2 *Shipping container in good condition?	**Yes**	
#3 *Samples received with appropriate temperature?	**Yes**	
#4 *Custody Seals intact on shipping container/ cooler?	**Yes**	
#5 *Custody Seals Signed and dated for Containers/coolers	**Yes**	
#6 *IOS present?	**Yes**	
#7 Any missing/extra samples?	**No**	
#8 IOS agrees with sample label(s)/matrix?	**Yes**	
#9 Sample matrix/ properties agree with IOS?	**Yes**	
#10 Samples in proper container/ bottle?	**Yes**	
#11 Samples properly preserved?	**Yes**	
#12 Sample container(s) intact?	**Yes**	
#13 Sufficient sample amount for indicated test(s)?	**Yes**	
#14 All samples received within hold time?	**Yes**	

*** Must be completed for after-hours delivery of samples prior to placing in the refrigerator**

NonConformance:

Corrective Action Taken:

Nonconformance Documentation

Contact: _____ **Contacted by :** _____ **Date:** _____

Checklist reviewed by: Jose Londono Date: 03.15.2021

Eurofins Xenco, LLC

Prelogin/Nonconformance Report- Sample Log-In

Client: ARCADIS

Date/ Time Received: 03.11.2021 05.12.00 PM

Work Order #: 691534

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

Temperature Measuring device used : IR8

Sample Receipt Checklist		Comments
#1 *Temperature of cooler(s)?	3	
#2 *Shipping container in good condition?	**Yes**	
#3 *Samples received on ice?	**Yes**	
#4 *Custody Seals intact on shipping container/ cooler?	**N/A**	
#5 Custody Seals intact on sample bottles?	**N/A**	
#6*Custody Seals Signed and dated?	**N/A**	
#7 *Chain of Custody present?	**Yes**	
#8 Any missing/extra samples?	**No**	
#9 Chain of Custody signed when relinquished/ received?	**Yes**	
#10 Chain of Custody agrees with sample labels/matrix?	**Yes**	
#11 Container label(s) legible and intact?	**Yes**	
#12 Samples in proper container/ bottle?	**Yes**	
#13 Samples properly preserved?	**Yes**	
#14 Sample container(s) intact?	**Yes**	
#15 Sufficient sample amount for indicated test(s)?	**Yes**	
#16 All samples received within hold time?	**Yes**	
#17 Subcontract of sample(s)?	**Yes**	Xenco Stafford
#18 Water VOC samples have zero headspace?	**N/A**	

*** Must be completed for after-hours delivery of samples prior to placing in the refrigerator**

Analyst: JKR PH Device/Lot#: 10BDH1991

Checklist completed by: Brianna Teel Date: 03.12.2021

Brianna Teel

Checklist reviewed by: Date: 03.19.2021

John Builes

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Analytical Report 691329

for

ARCADIS

Project Manager: Sonja Zabienski

Eunice Project - N Eunice

03.18.2021

Collected By: Client

1211 W. Florida Ave
Midland TX 79701

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

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

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

Released to Imaging: 12/12/2022 10:42:57 AM

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03.18.2021

Project Manager: **Sonja Zabienski**
ARCADIS
1004 N. Big Spring St.
Midland, TX 79701

Reference: Eurofins Xenco, LLC Report No(s): **691329**
Eunice Project - N Eunice
Project Address:

Sonja Zabienski:

We are reporting to you the results of the analyses performed on the samples received under the project name referenced above and identified with the Eurofins Xenco, LLC Report Number(s) 691329. All results being reported under this Report Number apply to the samples analyzed and properly identified with a Laboratory ID number. Subcontracted analyses are identified in this report with either the NELAC certification number of the subcontract lab in the analyst ID field, or the complete subcontracted report attached to this report.

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

The validity and integrity of this report will remain intact as long as it is accompanied by this letter and reproduced in full, unless written approval is granted by Eurofins Xenco, LLC. This report will be filed for at least 5 years in our archives after which time it will be destroyed without further notice, unless otherwise arranged with you. The samples received, and described as recorded in Report No. 691329 will be filed for 45 days, and after that time they will be properly disposed without further notice, unless otherwise arranged with you. We reserve the right to return to you any unused samples, extracts or solutions related to them if we consider so necessary (e.g., samples identified as hazardous waste, sample sizes exceeding analytical standard practices, controlled substances under regulated protocols, etc).

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

Respectfully,

John Builes
Project Manager

A Small Business and Minority Company

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

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Sample Cross Reference 691329

ARCADIS, Midland, TX

Eunice Project - N Eunice

Sample Id	Matrix	Date Collected	Sample Depth	Lab Sample Id
MW52SA	W	03.10.2021 07:38		691329-001
MW020SA	W	03.10.2021 07:59		691329-002
MW019A	W	03.10.2021 08:17		691329-003
MW018	W	03.10.2021 08:38		691329-004
MW010	W	03.10.2021 09:20		691329-005
MW040A	W	03.10.2021 09:40		691329-006
MW013	W	03.10.2021 10:14		691329-007
MW015A	W	03.10.2021 10:32		691329-008
MW024A	W	03.10.2021 10:57		691329-009
MW062A	W	03.10.2021 11:50		691329-010
MW063A	W	03.10.2021 12:32		691329-011

CASE NARRATIVE

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Client Name: ARCADIS

Project Name: Eunice Project - N Eunice

Project ID:
Work Order Number(s): *691329*

Report Date: *03.18.2021*
Date Received: *03.10.2021*

This laboratory is NELAC accredited under the Texas Laboratory Accreditation Program for all the methods, analytes, and matrices reported in this data package except as noted. The data have been reviewed and are technically compliant with the requirements of the methods used, except where noted by the laboratory.

Sample receipt non conformances and comments:

None

Sample receipt non conformances and comments per sample:

None

Analytical non conformances and comments:

Batch: LBA-3153622 Chloride by EPA 300

Lab Sample ID 691535-001 was randomly selected for Matrix Spike/Matrix Spike Duplicate (MS/MSD). Chloride recovered above QC limits in the Matrix Spike and Matrix Spike Duplicate. Outlier/s are due to possible matrix interference. Samples in the analytical batch are: 691329-006, -007, -008, -009, -010, -011.

The Laboratory Control Sample for Chloride is within laboratory Control Limits, therefore the data was accepted.

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Certificate of Analytical Results
691329
ARCADIS, Midland, TX
Eunice Project - N Eunice

Sample Id: **MW52SA** Matrix: Water Sample Depth:

Lab Sample Id: 691329-001 Date Collected: 03.10.2021 07:38 Date Received: 03.10.2021 17:30

Analytical Method: Chloride by EPA 300 Prep Method: E300P

Analyst: CHE % Moist:

Seq Number: 3153620 Date Prep: 03.12.2021 15:30 Tech: CHE

Prep seq: 7723226

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Chloride	16887-00-6	**1410**	25.0	1.05	mg/L	03.12.2021 21:00		50

Analytical Method: TDS by SM2540C Prep Method:

Analyst: DTH % Moist:

Seq Number: 3153922 Date Prep: Tech: DTH

Subcontractor: SUB: T104704221-20-18 Prep seq:

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Total Dissolved Solids	1642222	**3170**	100	100	mg/L	03.16.2021 17:00		1

Analytical Method: (N) Dissolved Metals by SW6020A Prep Method: 3010A

Analyst: DEP % Moist:

Seq Number: 3153592 Date Prep: 03.14.2021 12:00 Tech: DEP

Subcontractor: SUB: T104704215-20-39 Prep seq: 7723279

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Arsenic	7440-38-2	**0.0139**	0.00400	0.000246	mg/L	03.15.2021 00:28		1
Chromium	7440-47-3	**0.246**	0.00400	0.000525	mg/L	03.15.2021 00:28		1
Iron	7439-89-6	**0.183**	0.100	0.0227	mg/L	03.15.2021 00:28		1
Manganese	7439-96-5	**0.00686**	0.00200	0.000199	mg/L	03.15.2021 00:28		1

Analytical Method: Chromium, Hexavalent by SW 7196A Prep Method:

Analyst: SPC % Moist:

Seq Number: 3153842 Date Prep: Tech: SPC

Prep seq:

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Chromium, Hexavalent	18540-29-9	**0.244**	0.0100	0.00273	mg/L	03.10.2021 18:00		1

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Certificate of Analytical Results

691329

ARCADIS, Midland, TX

Eunice Project - N Eunice

Sample Id: **MW020SA** Matrix: Water Sample Depth:

Lab Sample Id: 691329-002 Date Collected: 03.10.2021 07:59 Date Received: 03.10.2021 17:30

Analytical Method: Chloride by EPA 300 Prep Method: E300P

Analyst: CHE % Moist:

Seq Number: 3153620 Date Prep: 03.12.2021 15:30 Tech: CHE

Prep seq: 7723226

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Chloride	16887-00-6	**1170**	10.0	0.421	mg/L	03.12.2021 21:06		20

Analytical Method: TDS by SM2540C Prep Method:

Analyst: DTH % Moist:

Seq Number: 3153922 Date Prep: Tech: DTH

Subcontractor: SUB: T104704221-20-18 Prep seq:

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Total Dissolved Solids	1642222	**2520**	100	100	mg/L	03.16.2021 17:00		1

Analytical Method: (N) Dissolved Metals by SW6020A Prep Method: 3010A

Analyst: DEP % Moist:

Seq Number: 3153592 Date Prep: 03.14.2021 12:00 Tech: DEP

Subcontractor: SUB: T104704215-20-39 Prep seq: 7723279

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Arsenic	7440-38-2	**0.0107**	0.00400	0.000246	mg/L	03.15.2021 00:31		1
Chromium	7440-47-3	**0.00549**	0.00400	0.000525	mg/L	03.15.2021 00:31		1
Iron	7439-89-6	<0.0227	0.100	0.0227	mg/L	03.15.2021 00:31	U	1
Manganese	7439-96-5	**0.00108**	0.00200	0.000199	mg/L	03.15.2021 00:31	J	1

Analytical Method: Chromium, Hexavalent by SW 7196A Prep Method:

Analyst: SPC % Moist:

Seq Number: 3153842 Date Prep: Tech: SPC

Prep seq:

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Chromium, Hexavalent	18540-29-9	<0.00273	0.0100	0.00273	mg/L	03.10.2021 18:00	U	1

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Certificate of Analytical Results
691329
ARCADIS, Midland, TX
Eunice Project - N Eunice

Sample Id: **MW019A** Matrix: Water Sample Depth:

Lab Sample Id: 691329-003 Date Collected: 03.10.2021 08:17 Date Received: 03.10.2021 17:30

Analytical Method: Chloride by EPA 300 Prep Method: E300P

Analyst: CHE % Moist:

Seq Number: 3153620 Date Prep: 03.12.2021 15:30 Tech: CHE

Prep seq: 7723226

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Chloride	16887-00-6	**266**	5.00	0.210	mg/L	03.12.2021 21:11		10

Analytical Method: TDS by SM2540C Prep Method:

Analyst: DTH % Moist:

Seq Number: 3153922 Date Prep: Tech: DTH

Subcontractor: SUB: T104704221-20-18 Prep seq:

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Total Dissolved Solids	1642222	**1310**	50.0	50.0	mg/L	03.16.2021 17:00		1

Analytical Method: (N) Dissolved Metals by SW6020A Prep Method: 3010A

Analyst: DEP % Moist:

Seq Number: 3153592 Date Prep: 03.14.2021 12:00 Tech: DEP

Subcontractor: SUB: T104704215-20-39 Prep seq: 7723279

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Arsenic	7440-38-2	**0.0104**	0.00400	0.000246	mg/L	03.15.2021 00:39		1
Chromium	7440-47-3	**0.000902**	0.00400	0.000525	mg/L	03.15.2021 00:39	J	1
Iron	7439-89-6	**0.0454**	0.100	0.0227	mg/L	03.15.2021 00:39	J	1
Manganese	7439-96-5	**0.00716**	0.00200	0.000199	mg/L	03.15.2021 00:39		1

Analytical Method: Chromium, Hexavalent by SW 7196A Prep Method:

Analyst: SPC % Moist:

Seq Number: 3153842 Date Prep: Tech: SPC

Prep seq:

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Chromium, Hexavalent	18540-29-9	<0.00273	0.0100	0.00273	mg/L	03.10.2021 18:00	U	1

eurofins | Environment Testing Xenco

Certificate of Analytical Results
691329
ARCADIS, Midland, TX
Eunice Project - N Eunice

Sample Id: **MW018** Matrix: Water Sample Depth:

Lab Sample Id: 691329-004 Date Collected: 03.10.2021 08:38 Date Received: 03.10.2021 17:30

Analytical Method: Chloride by EPA 300 Prep Method: E300P

Analyst: CHE % Moist:

Seq Number: 3153620 Date Prep: 03.12.2021 15:30 Tech: CHE

Prep seq: 7723226

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Chloride	16887-00-6	**251**	5.00	0.210	mg/L	03.12.2021 21:17		10

Analytical Method: TDS by SM2540C Prep Method:

Analyst: DTH % Moist:

Seq Number: 3153922 Date Prep: Tech: DTH

Subcontractor: SUB: T104704221-20-18 Prep seq:

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Total Dissolved Solids	1642222	**1230**	50.0	50.0	mg/L	03.16.2021 17:00		1

Analytical Method: (N) Dissolved Metals by SW6020A Prep Method: 3010A

Analyst: DEP % Moist:

Seq Number: 3153592 Date Prep: 03.14.2021 12:00 Tech: DEP

Subcontractor: SUB: T104704215-20-39 Prep seq: 7723279

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Arsenic	7440-38-2	**0.0105**	0.00400	0.000246	mg/L	03.15.2021 00:42		1
Chromium	7440-47-3	<0.000525	0.00400	0.000525	mg/L	03.15.2021 00:42	U	1
Iron	7439-89-6	**0.0327**	0.100	0.0227	mg/L	03.15.2021 00:42	J	1
Manganese	7439-96-5	**0.00137**	0.00200	0.000199	mg/L	03.15.2021 00:42	J	1

Analytical Method: Chromium, Hexavalent by SW 7196A Prep Method:

Analyst: SPC % Moist:

Seq Number: 3153842 Date Prep: Tech: SPC

Prep seq:

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Chromium, Hexavalent	18540-29-9	<0.00273	0.0100	0.00273	mg/L	03.10.2021 18:00	U	1

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691329
ARCADIS, Midland, TX
Eunice Project - N Eunice

Sample Id: **MW010** Matrix: Water Sample Depth:

Lab Sample Id: 691329-005 Date Collected: 03.10.2021 09:20 Date Received: 03.10.2021 17:30

Analytical Method: Chloride by EPA 300 Prep Method: E300P

Analyst: CHE % Moist:

Seq Number: 3153620 Date Prep: 03.12.2021 15:30 Tech: CHE

Prep seq: 7723226

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Chloride	16887-00-6	**2590**	25.0	1.05	mg/L	03.12.2021 21:22		50

Analytical Method: TDS by SM2540C Prep Method:

Analyst: DTH % Moist:

Seq Number: 3153922 Date Prep: Tech: DTH

Subcontractor: SUB: T104704221-20-18 Prep seq:

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Total Dissolved Solids	1642222	**5430**	250	250	mg/L	03.16.2021 17:00		1

Analytical Method: (N) Dissolved Metals by SW6020A Prep Method: 3010A

Analyst: DEP % Moist:

Seq Number: 3153592 Date Prep: 03.14.2021 12:00 Tech: DEP

Subcontractor: SUB: T104704215-20-39 Prep seq: 7723279

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Arsenic	7440-38-2	**0.00834**	0.00400	0.000246	mg/L	03.15.2021 00:45		1
Chromium	7440-47-3	**0.0158**	0.00400	0.000525	mg/L	03.15.2021 00:45		1
Iron	7439-89-6	**0.0831**	0.100	0.0227	mg/L	03.15.2021 00:45	J	1
Manganese	7439-96-5	**0.00384**	0.00200	0.000199	mg/L	03.15.2021 00:45		1

Analytical Method: Chromium, Hexavalent by SW 7196A Prep Method:

Analyst: SPC % Moist:

Seq Number: 3153842 Date Prep: Tech: SPC

Prep seq:

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Chromium, Hexavalent	18540-29-9	**0.00890**	0.0100	0.00273	mg/L	03.10.2021 18:00	J	1

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691329
ARCADIS, Midland, TX
Eunice Project - N Eunice

Sample Id: **MW040A** Matrix: Water Sample Depth:

Lab Sample Id: 691329-006 Date Collected: 03.10.2021 09:40 Date Received: 03.10.2021 17:30

Analytical Method: Chloride by EPA 300 Prep Method: E300P

Analyst: CHE % Moist:

Seq Number: 3153622 Date Prep: 03.12.2021 15:50 Tech: CHE

Prep seq: 7723227

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Chloride	16887-00-6	**58.4**	2.50	0.105	mg/L	03.12.2021 21:55	X	5

Analytical Method: TDS by SM2540C Prep Method:

Analyst: DTH % Moist:

Seq Number: 3153922 Date Prep: Tech: DTH

Subcontractor: SUB: T104704221-20-18 Prep seq:

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Total Dissolved Solids	1642222	**554**	25.0	25.0	mg/L	03.16.2021 17:00		1

Analytical Method: (N) Dissolved Metals by SW6020A Prep Method: 3010A

Analyst: DEP % Moist:

Seq Number: 3153592 Date Prep: 03.14.2021 12:00 Tech: DEP

Subcontractor: SUB: T104704215-20-39 Prep seq: 7723279

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Arsenic	7440-38-2	**0.0204**	0.00400	0.000246	mg/L	03.15.2021 00:48		1
Chromium	7440-47-3	**0.00245**	0.00400	0.000525	mg/L	03.15.2021 00:48	J	1
Iron	7439-89-6	<0.0227	0.100	0.0227	mg/L	03.15.2021 00:48	U	1
Manganese	7439-96-5	**0.000304**	0.00200	0.000199	mg/L	03.15.2021 00:48	J	1

Analytical Method: Chromium, Hexavalent by SW 7196A Prep Method:

Analyst: SPC % Moist:

Seq Number: 3153842 Date Prep: Tech: SPC

Prep seq:

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Chromium, Hexavalent	18540-29-9	<0.00273	0.0100	0.00273	mg/L	03.10.2021 18:00	U	1

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691329
ARCADIS, Midland, TX
Eunice Project - N Eunice

Sample Id: **MW013** Matrix: Water Sample Depth:

Lab Sample Id: 691329-007 Date Collected: 03.10.2021 10:14 Date Received: 03.10.2021 17:30

Analytical Method: Chloride by EPA 300 Prep Method: E300P

Analyst: CHE % Moist:

Seq Number: 3153622 Date Prep: 03.12.2021 15:50 Tech: CHE

Prep seq: 7723227

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Chloride	16887-00-6	**978**	10.0	0.421	mg/L	03.12.2021 22:12		20

Analytical Method: TDS by SM2540C Prep Method:

Analyst: DTH % Moist:

Seq Number: 3153922 Date Prep: Tech: DTH

Subcontractor: SUB: T104704221-20-18 Prep seq:

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Total Dissolved Solids	1642222	**3480**	100	100	mg/L	03.16.2021 17:00		1

Analytical Method: (N) Dissolved Metals by SW6020A Prep Method: 3010A

Analyst: DEP % Moist:

Seq Number: 3153592 Date Prep: 03.14.2021 12:00 Tech: DEP

Subcontractor: SUB: T104704215-20-39 Prep seq: 7723279

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Arsenic	7440-38-2	**0.00757**	0.00400	0.000246	mg/L	03.15.2021 00:51		1
Chromium	7440-47-3	**2.19**	0.0800	0.0105	mg/L	03.15.2021 14:58	D	20
Iron	7439-89-6	<0.0227	0.100	0.0227	mg/L	03.15.2021 00:51	U	1
Manganese	7439-96-5	**0.000637**	0.00200	0.000199	mg/L	03.15.2021 00:51	J	1

Analytical Method: Chromium, Hexavalent by SW 7196A Prep Method:

Analyst: SPC % Moist:

Seq Number: 3153842 Date Prep: Tech: SPC

Prep seq:

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Chromium, Hexavalent	18540-29-9	**2.12**	0.100	0.0273	mg/L	03.10.2021 18:00		10

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691329
ARCADIS, Midland, TX
Eunice Project - N Eunice

Sample Id: **MW015A** Matrix: Water Sample Depth:

Lab Sample Id: 691329-008 Date Collected: 03.10.2021 10:32 Date Received: 03.10.2021 17:30

Analytical Method: Chloride by EPA 300 Prep Method: E300P

Analyst: CHE % Moist:

Seq Number: 3153622 Date Prep: 03.12.2021 15:50 Tech: CHE

Prep seq: 7723227

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Chloride	16887-00-6	**4840**	25.0	1.05	mg/L	03.12.2021 22:18		50

Analytical Method: TDS by SM2540C Prep Method:

Analyst: DTH % Moist:

Seq Number: 3153922 Date Prep: Tech: DTH

Subcontractor: SUB: T104704221-20-18 Prep seq:

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Total Dissolved Solids	1642222	**9040**	25.0	25.0	mg/L	03.16.2021 17:00		1

Analytical Method: (N) Dissolved Metals by SW6020A Prep Method: 3010A

Analyst: DEP % Moist:

Seq Number: 3153592 Date Prep: 03.14.2021 12:00 Tech: DEP

Subcontractor: SUB: T104704215-20-39 Prep seq: 7723279

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Arsenic	7440-38-2	**0.0105**	0.00400	0.000246	mg/L	03.15.2021 00:54		1
Chromium	7440-47-3	**0.00746**	0.00400	0.000525	mg/L	03.15.2021 00:54		1
Iron	7439-89-6	**0.131**	0.100	0.0227	mg/L	03.15.2021 00:54		1
Manganese	7439-96-5	**0.0160**	0.00200	0.000199	mg/L	03.15.2021 00:54		1

Analytical Method: Chromium, Hexavalent by SW 7196A Prep Method:

Analyst: SPC % Moist:

Seq Number: 3153842 Date Prep: Tech: SPC

Prep seq:

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Chromium, Hexavalent	18540-29-9	<0.00273	0.0100	0.00273	mg/L	03.10.2021 18:00	U	1

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ARCADIS, Midland, TX
Eunice Project - N Eunice

Sample Id: **MW024A** Matrix: Water Sample Depth:

Lab Sample Id: 691329-009 Date Collected: 03.10.2021 10:57 Date Received: 03.10.2021 17:30

Analytical Method: Chloride by EPA 300 Prep Method: E300P

Analyst: CHE % Moist:

Seq Number: 3153622 Date Prep: 03.12.2021 15:50 Tech: CHE

Prep seq: 7723227

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Chloride	16887-00-6	**939**	10.0	0.421	mg/L	03.12.2021 22:23		20

Analytical Method: TDS by SM2540C Prep Method:

Analyst: DTH % Moist:

Seq Number: 3153922 Date Prep: Tech: DTH

Subcontractor: SUB: T104704221-20-18 Prep seq:

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Total Dissolved Solids	1642222	**2720**	100	100	mg/L	03.16.2021 17:00		1

Analytical Method: (N) Dissolved Metals by SW6020A Prep Method: 3010A

Analyst: DEP % Moist:

Seq Number: 3153592 Date Prep: 03.14.2021 12:00 Tech: DEP

Subcontractor: SUB: T104704215-20-39 Prep seq: 7723279

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Arsenic	7440-38-2	**0.0122**	0.00400	0.000246	mg/L	03.15.2021 00:57		1
Chromium	7440-47-3	**0.442**	0.00400	0.000525	mg/L	03.15.2021 00:57		1
Iron	7439-89-6	<0.0227	0.100	0.0227	mg/L	03.15.2021 00:57	U	1
Manganese	7439-96-5	**0.000457**	0.00200	0.000199	mg/L	03.15.2021 00:57	J	1

Analytical Method: Chromium, Hexavalent by SW 7196A Prep Method:

Analyst: SPC % Moist:

Seq Number: 3153842 Date Prep: Tech: SPC

Prep seq:

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Chromium, Hexavalent	18540-29-9	**0.429**	0.0100	0.00273	mg/L	03.10.2021 18:00		1

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691329
ARCADIS, Midland, TX
Eunice Project - N Eunice

Sample Id: **MW062A** Matrix: Water Sample Depth:

Lab Sample Id: 691329-010 Date Collected: 03.10.2021 11:50 Date Received: 03.10.2021 17:30

Analytical Method: Chloride by EPA 300 Prep Method: E300P

Analyst: CHE % Moist:

Seq Number: 3153622 Date Prep: 03.12.2021 15:50 Tech: CHE

Prep seq: 7723227

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Chloride	16887-00-6	**67.1**	2.50	0.105	mg/L	03.12.2021 22:29		5

Analytical Method: TDS by SM2540C Prep Method:

Analyst: DTH % Moist:

Seq Number: 3153922 Date Prep: Tech: DTH

Subcontractor: SUB: T104704221-20-18 Prep seq:

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Total Dissolved Solids	1642222	**525**	25.0	25.0	mg/L	03.16.2021 17:00		1

Analytical Method: (N) Dissolved Metals by SW6020A Prep Method: 3010A

Analyst: DEP % Moist:

Seq Number: 3153592 Date Prep: 03.14.2021 12:00 Tech: DEP

Subcontractor: SUB: T104704215-20-39 Prep seq: 7723279

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Arsenic	7440-38-2	**0.0250**	0.00400	0.000246	mg/L	03.15.2021 01:00		1
Chromium	7440-47-3	**0.00194**	0.00400	0.000525	mg/L	03.15.2021 01:00	J	1
Iron	7439-89-6	<0.0227	0.100	0.0227	mg/L	03.15.2021 01:00	U	1
Manganese	7439-96-5	**0.000383**	0.00200	0.000199	mg/L	03.15.2021 01:00	J	1

Analytical Method: Chromium, Hexavalent by SW 7196A Prep Method:

Analyst: SPC % Moist:

Seq Number: 3153842 Date Prep: Tech: SPC

Prep seq:

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Chromium, Hexavalent	18540-29-9	<0.00273	0.0100	0.00273	mg/L	03.10.2021 18:00	U	1

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ARCADIS, Midland, TX
Eunice Project - N Eunice

Sample Id: **MW063A** Matrix: Water Sample Depth:

Lab Sample Id: 691329-011 Date Collected: 03.10.2021 12:32 Date Received: 03.10.2021 17:30

Analytical Method: Chloride by EPA 300 Prep Method: E300P

Analyst: CHE % Moist:

Seq Number: 3153622 Date Prep: 03.12.2021 15:50 Tech: CHE

Prep seq: 7723227

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Chloride	16887-00-6	**59.0**	2.50	0.105	mg/L	03.12.2021 22:45		5

Analytical Method: TDS by SM2540C Prep Method:

Analyst: DTH % Moist:

Seq Number: 3153922 Date Prep: Tech: DTH

Subcontractor: SUB: T104704221-20-18 Prep seq:

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Total Dissolved Solids	1642222	**507**	25.0	25.0	mg/L	03.16.2021 17:00		1

Analytical Method: (N) Dissolved Metals by SW6020A Prep Method: 3010A

Analyst: DEP % Moist:

Seq Number: 3153592 Date Prep: 03.14.2021 12:00 Tech: DEP

Subcontractor: SUB: T104704215-20-39 Prep seq: 7723279

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Arsenic	7440-38-2	**0.0247**	0.00400	0.000246	mg/L	03.15.2021 01:03		1
Chromium	7440-47-3	**0.00151**	0.00400	0.000525	mg/L	03.15.2021 01:03	J	1
Iron	7439-89-6	<0.0227	0.100	0.0227	mg/L	03.15.2021 01:03	U	1
Manganese	7439-96-5	**0.000516**	0.00200	0.000199	mg/L	03.15.2021 01:03	J	1

Analytical Method: Chromium, Hexavalent by SW 7196A Prep Method:

Analyst: SPC % Moist:

Seq Number: 3153844 Date Prep: Tech: SPC

Prep seq:

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Chromium, Hexavalent	18540-29-9	<0.00273	0.0100	0.00273	mg/L	03.10.2021 18:21	U	1

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ARCADIS, Midland, TX

Eunice Project - N Eunice

Sample Id: **3153842-1-BLK** Matrix: Water Sample Depth:

Lab Sample Id: 3153842-1-BLK Date Collected: Date Received:

Analytical Method: Chromium, Hexavalent by SW 7196A Prep Method:

Analyst: SPC % Moist:

Seq Number: 3153842 Date Prep: Tech: SPC

Prep seq:

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Chromium, Hexavalent	18540-29-9	<0.00273	0.0100	0.00273	mg/L	03.10.2021 18:00	U	1

Sample Id: **3153844-1-BLK** Matrix: Water Sample Depth:

Lab Sample Id: 3153844-1-BLK Date Collected: Date Received:

Analytical Method: Chromium, Hexavalent by SW 7196A Prep Method:

Analyst: SPC % Moist:

Seq Number: 3153844 Date Prep: Tech: SPC

Prep seq:

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Chromium, Hexavalent	18540-29-9	<0.00273	0.0100	0.00273	mg/L	03.10.2021 18:21	U	1

Sample Id: **3153922-1-BLK** Matrix: Water Sample Depth:

Lab Sample Id: 3153922-1-BLK Date Collected: Date Received:

Analytical Method: TDS by SM2540C Prep Method:

Analyst: DTH % Moist:

Seq Number: 3153922 Date Prep: Tech: DTH

Subcontractor: SUB: T104704221-20-18 Prep seq:

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Total Dissolved Solids	1642222	<12.5	12.5	12.5	mg/L	03.16.2021 17:00	U	1

Sample Id: **7723226-1-BLK** Matrix: Water Sample Depth:

Lab Sample Id: 7723226-1-BLK Date Collected: Date Received:

Analytical Method: Chloride by EPA 300 Prep Method: E300P

Analyst: CHE % Moist:

Seq Number: 3153620 Date Prep: 03.12.2021 15:30 Tech: CHE

Prep seq: 7723226

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Chloride	16887-00-6	<0.0210	0.500	0.0210	mg/L	03.12.2021 18:36	U	1

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691329
ARCADIS, Midland, TX
Eunice Project - N Eunice

Sample Id: **7723227-1-BLK** Matrix: Water Sample Depth:

Lab Sample Id: 7723227-1-BLK Date Collected: Date Received:

Analytical Method: Chloride by EPA 300 Prep Method: E300P

Analyst: CHE % Moist:

Seq Number: 3153622 Date Prep: 03.12.2021 15:50 Tech: CHE

Prep seq: 7723227

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Chloride	16887-00-6	<0.0210	0.500	0.0210	mg/L	03.12.2021 21:39	U	1

Sample Id: **7723279-1-BLK** Matrix: Water Sample Depth:

Lab Sample Id: 7723279-1-BLK Date Collected: Date Received:

Analytical Method: (N) Dissolved Metals by SW6020A Prep Method: 3010A

Analyst: DEP % Moist:

Seq Number: 3153592 Date Prep: 03.14.2021 12:00 Tech: DEP

Subcontractor: SUB: T104704215-20-39 Prep seq: 7723279

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Arsenic	7440-38-2	<0.000246	0.00400	0.000246	mg/L	03.14.2021 23:35	U	1
Chromium	7440-47-3	<0.000525	0.00400	0.000525	mg/L	03.14.2021 23:35	U	1
Iron	7439-89-6	<0.0227	0.100	0.0227	mg/L	03.14.2021 23:35	U	1
Manganese	7439-96-5	<0.000199	0.00200	0.000199	mg/L	03.14.2021 23:35	U	1

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Flagging Criteria

X In our quality control review of the data a QC deficiency was observed and flagged as noted. MS/MSD recoveries were found to be outside of the laboratory control limits due to possible matrix /chemical interference, or a concentration of target analyte high enough to affect the recovery of the spike concentration. This condition could also affect the relative percent difference in the MS/MSD.

B A target analyte or common laboratory contaminant was identified in the method blank. Its presence indicates possible field or laboratory contamination.

D The sample(s) were diluted due to targets detected over the highest point of the calibration curve, or due to matrix interference. Dilution factors are included in the final results. The result is from a diluted sample.

E The data exceeds the upper calibration limit; therefore, the concentration is reported as estimated.

F RPD exceeded lab control limits.

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

U Analyte was not detected.

L The LCS data for this analytical batch was reported below the laboratory control limits for this analyte. The department supervisor and QA Director reviewed data. The samples were either reanalyzed or flagged as estimated concentrations.

H The LCS data for this analytical batch was reported above the laboratory control limits. Supporting QC Data were reviewed by the Department Supervisor and QA Director. Data were determined to be valid for reporting.

K Sample analyzed outside of recommended hold time.

JN A combination of the "N" and the "J" qualifier. The analysis indicates that the analyte is "tentatively identified" and the associated numerical value may not be consistent with the amount actually present in the environmental sample.

** Surrogate recovered outside laboratory control limit.

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

RL Reporting Limit

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

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

DL Method Detection Limit

NC Non-Calculable

SMP Client Sample **BLK** Method Blank

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

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

+ NELAC certification not offered for this compound.

* (Next to analyte name or method description) = Outside XENCO's scope of NELAC accreditation

Released to Imaging: 12/12/2022 10:42:57 AM
Received by OCD: 3/21/2022 2:39:57 PM

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BS / BSD Recoveries

Project Name: Eunice Project - N Eunice

Work Order #: 691329 **Project ID:**

Analyst: CHE **Date Prepared:** 03.12.2021 **Date Analyzed:** 03.12.2021

Lab Batch ID: 3153620 **Sample:** 7723226-1-BKS **Batch #:** 1 **Matrix:** Water

Units: mg/L

BLANK /BLANK SPIKE / BLANK SPIKE DUPLICATE RECOVERY STUDY

Chloride by EPA 300 Analytes	Blank Sample Result [A]	Spike Added [B]	Blank Spike Result [C]	Blank Spike %R [D]	Spike Added [E]	Blank Spike Duplicate Result [F]	Blk. Spk Dup. %R [G]	RPD %	Control Limits %R	Control Limits %RPD	Flag
Chloride	<0.0210	25.0	26.2	105	25.0	26.2	105	0	90-110	20	

Analyst: CHE **Date Prepared:** 03.12.2021 **Date Analyzed:** 03.12.2021

Lab Batch ID: 3153622 **Sample:** 7723227-1-BKS **Batch #:** 1 **Matrix:** Water

Units: mg/L

BLANK /BLANK SPIKE / BLANK SPIKE DUPLICATE RECOVERY STUDY

Chloride by EPA 300 Analytes	Blank Sample Result [A]	Spike Added [B]	Blank Spike Result [C]	Blank Spike %R [D]	Spike Added [E]	Blank Spike Duplicate Result [F]	Blk. Spk Dup. %R [G]	RPD %	Control Limits %R	Control Limits %RPD	Flag
Chloride	<0.0210	25.0	26.0	104	25.0	26.1	104	0	90-110	20	

Analyst: SPC **Date Prepared:** 03.10.2021 **Date Analyzed:** 03.10.2021

Lab Batch ID: 3153842 **Sample:** 3153842-1-BKS **Batch #:** 1 **Matrix:** Water

Units: mg/L

BLANK /BLANK SPIKE / BLANK SPIKE DUPLICATE RECOVERY STUDY

Chromium, Hexavalent by SW 7196A Analytes	Blank Sample Result [A]	Spike Added [B]	Blank Spike Result [C]	Blank Spike %R [D]	Spike Added [E]	Blank Spike Duplicate Result [F]	Blk. Spk Dup. %R [G]	RPD %	Control Limits %R	Control Limits %RPD	Flag
Chromium, Hexavalent	<0.00273	0.0400	0.0364	91	0.0400	0.0366	92	1	85-115	20	

Relative Percent Difference RPD = 200*|(C-F)/(C+F)|
Blank Spike Recovery [D] = 100*(C)/[B]
Blank Spike Duplicate Recovery [G] = 100*(F)/[E]
All results are based on MDL and Validated for QC Purposes

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Received by OCD: 3/21/2022 2:39:57 PM

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BS / BSD Recoveries

Project Name: Eunice Project - N Eunice

Work Order #: 691329 **Project ID:**

Analyst: SPC **Date Prepared:** 03.10.2021 **Date Analyzed:** 03.10.2021

Lab Batch ID: 3153844 **Sample:** 3153844-1-BKS **Batch #:** 1 **Matrix:** Water

Units: mg/L

BLANK /BLANK SPIKE / BLANK SPIKE DUPLICATE RECOVERY STUDY

Chromium, Hexavalent by SW 7196A Analytes	Blank Sample Result [A]	Spike Added [B]	Blank Spike Result [C]	Blank Spike %R [D]	Spike Added [E]	Blank Spike Duplicate Result [F]	Blk. Spk Dup. %R [G]	RPD %	Control Limits %R	Control Limits %RPD	Flag
Chromium, Hexavalent	<0.00273	0.0400	0.0413	103	0.0400	0.0412	103	0	85-115	20	

Analyst: DEP **Date Prepared:** 03.14.2021 **Date Analyzed:** 03.14.2021

Lab Batch ID: 3153592 **Sample:** 7723279-1-BKS **Batch #:** 1 **Matrix:** Water

Units: mg/L

BLANK /BLANK SPIKE / BLANK SPIKE DUPLICATE RECOVERY STUDY

(N) Dissolved Metals by SW6020A Analytes	Blank Sample Result [A]	Spike Added [B]	Blank Spike Result [C]	Blank Spike %R [D]	Spike Added [E]	Blank Spike Duplicate Result [F]	Blk. Spk Dup. %R [G]	RPD %	Control Limits %R	Control Limits %RPD	Flag
Arsenic	<0.000246	0.100	0.0972	97	0.100	0.0970	97	0	80-120	20	
Chromium	<0.000525	0.100	0.0954	95	0.100	0.0950	95	0	80-120	20	
Iron	<0.0227	0.500	0.472	94	0.500	0.470	94	0	80-120	20	
Manganese	<0.000199	0.100	0.0968	97	0.100	0.0950	95	2	80-120	20	

Analyst: DTH **Date Prepared:** 03.16.2021 **Date Analyzed:** 03.16.2021

Lab Batch ID: 3153922 **Sample:** 3153922-1-BKS **Batch #:** 1 **Matrix:** Water

Units: mg/L

BLANK /BLANK SPIKE / BLANK SPIKE DUPLICATE RECOVERY STUDY

TDS by SM2540C Analytes	Blank Sample Result [A]	Spike Added [B]	Blank Spike Result [C]	Blank Spike %R [D]	Spike Added [E]	Blank Spike Duplicate Result [F]	Blk. Spk Dup. %R [G]	RPD %	Control Limits %R	Control Limits %RPD	Flag
Total Dissolved Solids	<25.0	1000	973	97	1000	952	95	2	90-110	10	

Relative Percent Difference RPD = 200*|(C-F)/(C+F)|
Blank Spike Recovery [D] = 100*(C)/[B]
Blank Spike Duplicate Recovery [G] = 100*(F)/[E]
All results are based on MDL and Validated for QC Purposes

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Received by OCD: 3/21/2022 2:39:57 PM

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Form 3 - MS / MSD Recoveries

Project Name: Eunice Project - N Eunice

Report Date: 03182021
Project ID:

Work Order # : 691329

Lab Batch ID: 3153620 **QC- Sample ID:** 691328-005 S **Batch #:** 1 **Matrix:** Water

Date Analyzed: 03.12.2021 **Date Prepared:** 03.12.2021 **Analyst:** CHE

Reporting Units: mg/L

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY STUDY

Chloride by EPA 300 Analytes	Parent Sample Result [A]	Spike Added [B]	Spiked Sample Result [C]	Spiked Sample %R [D]	Spike Added [E]	Duplicate Spiked Sample Result [F]	Spiked Dup. %R [G]	RPD %	Control Limits %R	Control Limits %RPD	Flag
Chloride	193	250	486	117	250	481	115	1	90-110	20	X

Lab Batch ID: 3153620 **QC- Sample ID:** 691328-011 S **Batch #:** 1 **Matrix:** Water

Date Analyzed: 03.12.2021 **Date Prepared:** 03.12.2021 **Analyst:** CHE

Reporting Units: mg/L

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY STUDY

Chloride by EPA 300 Analytes	Parent Sample Result [A]	Spike Added [B]	Spiked Sample Result [C]	Spiked Sample %R [D]	Spike Added [E]	Duplicate Spiked Sample Result [F]	Spiked Dup. %R [G]	RPD %	Control Limits %R	Control Limits %RPD	Flag
Chloride	160	125	304	115	125	302	114	1	90-110	20	X

Lab Batch ID: 3153622 **QC- Sample ID:** 691329-006 S **Batch #:** 1 **Matrix:** Water

Date Analyzed: 03.12.2021 **Date Prepared:** 03.12.2021 **Analyst:** CHE

Reporting Units: mg/L

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY STUDY

Chloride by EPA 300 Analytes	Parent Sample Result [A]	Spike Added [B]	Spiked Sample Result [C]	Spiked Sample %R [D]	Spike Added [E]	Duplicate Spiked Sample Result [F]	Spiked Dup. %R [G]	RPD %	Control Limits %R	Control Limits %RPD	Flag
Chloride	58.4	125	198	112	125	198	112	0	90-110	20	X

Matrix Spike Percent Recovery [D] = 100*(C-A) / B
Relative Percent Difference RPD = 200*|(C-F) / (C+F)|

Matrix Spike Duplicate Percent Recovery [G] = 100*(F-A) / E

ND = Not Detected, J = Present Below Reporting Limit, B = Present in Blank, NR = Not Requested, I = Interference, NA = Not Applicable
N = See Narrative, EQL = Estimated Quantitation Limit, NC = Non Calculable - Sample amount is > 4 times the amount spiked.

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Form 3 - MS / MSD Recoveries

Project Name: Eunice Project - N Eunice

Report Date: 03182021
Project ID:

Work Order # : 691329

Lab Batch ID: 3153622 **QC- Sample ID:** 691535-001 S **Batch #:** 1 **Matrix:** Water
Date Analyzed: 03.12.2021 **Date Prepared:** 03.12.2021 **Analyst:** CHE
Reporting Units: mg/L

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY STUDY

Chloride by EPA 300 Analytes	Parent Sample Result [A]	Spike Added [B]	Spiked Sample Result [C]	Spiked Sample %R [D]	Spike Added [E]	Duplicate Spiked Sample Result [F]	Spiked Dup. %R [G]	RPD %	Control Limits %R	Control Limits %RPD	Flag
Chloride	72.1	125	214	114	125	215	114	0	90-110	20	X

Lab Batch ID: 3153842 **QC- Sample ID:** 691329-001 S **Batch #:** 1 **Matrix:** Water
Date Analyzed: 03.10.2021 **Date Prepared:** 03.10.2021 **Analyst:** SPC
Reporting Units: mg/L

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY STUDY

Chromium, Hexavalent by SW 7196A Analytes	Parent Sample Result [A]	Spike Added [B]	Spiked Sample Result [C]	Spiked Sample %R [D]	Spike Added [E]	Duplicate Spiked Sample Result [F]	Spiked Dup. %R [G]	RPD %	Control Limits %R	Control Limits %RPD	Flag
Chromium, Hexavalent	0.244	0.200	0.433	95	0.200	0.433	95	0	75-125	20	

Lab Batch ID: 3153844 **QC- Sample ID:** 691329-011 S **Batch #:** 1 **Matrix:** Water
Date Analyzed: 03.10.2021 **Date Prepared:** 03.10.2021 **Analyst:** SPC
Reporting Units: mg/L

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY STUDY

Chromium, Hexavalent by SW 7196A Analytes	Parent Sample Result [A]	Spike Added [B]	Spiked Sample Result [C]	Spiked Sample %R [D]	Spike Added [E]	Duplicate Spiked Sample Result [F]	Spiked Dup. %R [G]	RPD %	Control Limits %R	Control Limits %RPD	Flag
Chromium, Hexavalent	<0.00273	0.200	0.196	98	0.200	0.196	98	0	75-125	20	

Matrix Spike Percent Recovery [D] = 100*(C-A) / B
Relative Percent Difference RPD = 200*|(C-F) / (C+F)|
Matrix Spike Duplicate Percent Recovery [G] = 100*(F-A) / E

ND = Not Detected, J = Present Below Reporting Limit, B = Present in Blank, NR = Not Requested, I = Interference, NA = Not Applicable
N = See Narrative, EQL = Estimated Quantitation Limit, NC = Non Calculable - Sample amount is > 4 times the amount spiked.

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Form 3 - MS / MSD Recoveries

Project Name: Eunice Project - N Eunice

Work Order # : 691329 **Report Date:** 03182021

Lab Batch ID: 3153592 **QC- Sample ID:** 691110-001 S **Batch #:** 1 **Matrix:** Water **Project ID:**

Date Analyzed: 03.14.2021 **Date Prepared:** 03.14.2021 **Analyst:** DEP

Reporting Units: mg/L

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY STUDY

(N) Dissolved Metals by SW6020A Analytes	Parent Sample Result [A]	Spike Added [B]	Spiked Sample Result [C]	Spiked Sample %R [D]	Spike Added [E]	Duplicate Spiked Sample Result [F]	Spiked Dup. %R [G]	RPD %	Control Limits %R	Control Limits %RPD	Flag
Arsenic	0.00890	0.100	0.107	98	0.100	0.107	98	0	75-125	20	
Chromium	0.000681	0.100	0.0998	99	0.100	0.0993	99	1	75-125	20	
Iron	0.0766	0.500	0.562	97	0.500	0.563	97	0	75-125	20	
Manganese	0.497	0.100	0.602	105	0.100	0.608	111	1	75-125	20	

Matrix Spike Percent Recovery [D] = 100*(C-A) / B
Relative Percent Difference RPD = 200*|(C-F) / (C+F)|

Matrix Spike Duplicate Percent Recovery [G] = 100*(F-A) / E

ND = Not Detected, J = Present Below Reporting Limit, B = Present in Blank, NR = Not Requested, I = Interference, NA = Not Applicable
N = See Narrative, EQL = Estimated Quantitation Limit, NC = Non Calculable - Sample amount is > 4 times the amount spiked.

Method Duplicate

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Project Name: Eunice Project - N Eunice

Work Order #: 691329 **Report Date:** 03182021

Lab Batch #: 3153922 **Project ID:**

Date Analyzed: 03.16.2021 17:00 **Date Prepared:** 03.16.2021 **Analyst:** DTH

QC- Sample ID: 691329-001 D **Batch #:** 1 **Matrix:** Water

Reporting Units: mg/L

SAMPLE / SAMPLE DUPLICATE RECOVERY

TDS by SM2540C Analyte	Parent Sample Result [A]	Sample Duplicate Result [B]	RPD	Control Limits %RPD	Flag
Total Dissolved Solids	3170	3420	8	10	

Spike Relative Difference RPD 200 * | (B-A)/(B+A) |
All Results are based on MDL and validated for QC purposes.

BRL - Below Reporting Limit

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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) www.xenco.com

Work Order No: 691329

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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:	303-471-2477	Email:	madisyn.frandsen@arcadis.com

Work Order Comments

Program: UST/PST ☐ PRP ☐ Brownfields ☐ RRC ☐ Superfund ☐
State of Project:
Reporting:Level II ☐ Level III ☐ PST/UST ☐ TRRP ☐ Level IV ☐
Deliverables: EDD ☐ ADaPT ☐ Other:

Project Name:	Eunice Project-N. Eunice	Turn Around	
Project Number:	30049577	Routine	✓
P.O. Number:		Rush:	
Sampler's Name:	Tony S. Longwell	Due Date:	

SAMPLE RECEIPT			
Temperature (°C):	2.0/2.5	Temp Blank:	Yes (No)
Received Intact:	(Yes) No	Wet Ice:	(Yes) No
Cooler Custody Seals:	Yes No (N/A)	Thermometer ID	AJ 0-5 R8
Sample Custody Seals:	Yes No (N/A)	Correction Factor:	0.5
		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): Aresenic, Maganese, Iron & Chromium	TDS (SM2540C)	Chlorides (EPA 300.0)
MW052SA	W	031021	0734		3			X	X	X	X
~~MW020A~~ MW020A	W	031021	0755		3			X	X	X	X
MW019A	W	031021	0817		3			X	X	X	X
MW018	W	031021	0838		3			X	X	X	X
MW010	W	031021	0920		3			X	X	X	X
MW040A	W	031021	0940		3			X	X	X	X
MW013	W	031021	1014		3			X	X	X	X
MW015A	W	031021	1037		3			X	X	X	X
MW024A	W	031021	1057		3			X	X	X	X
MW062A	W	031021	1150		3			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	Tony S. Longwell	Carlos Granados	031021 1500	2	Carlos Granados		3/10/21 17:30
3				4			
5				6			

Revised Date 051418 Rev. 2018.1

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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.xenco.com

Work Order No: 691329

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:	303-471-2477	Email:	madisyn.frandsen@arcadis.com

Work Order Comments

Program: UST/PST ☐ PRP ☐ Brownfields ☐ RRC ☐ Superfund ☐
State of Project:
Reporting:Level II ☐ Level III ☐ PST/UST ☐ TRRP ☐ Level IV ☐
Deliverables: EDD ☐ ADaPT ☐ Other:

Project Name:	Eunice Project-N. Eunice	Turn Around	
Project Number:	30049577	Routine	✓
P.O. Number:		Rush:	
Sampler's Name:	Jeny Stonecipher	Due Date:	

SAMPLE RECEIPT			
Temp Blank:	(Yes) No	Wet Ice:	(Yes) No
Temperature (°C):	2.0/2.5	Thermometer ID	
Received Intact:	(Yes) No	IR8	
Cooler Custody Seals:	Yes No (N/A)	Correction Factor:	0.5
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): Aresenic, Maganese, Iron & Chromium	TDS (SM2540C)	Chlorides (EPA 300.0)
MW063A	W	031021	1232		3			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	Jeny Stonecipher	Carlos Granada	031021/1500	2 Carlos Granada		3/10/21 17:30
3				4		
5				6		

Revised Date 051418 Rev. 2018.1

Received by OCD: 3/10/2021 2:39:57 PM
Released to Imaging: 12/12/2022 10:42:57 AM
Final 1.000
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Released to Imaging: 12/12/2022 10:42:57 AM
Received by OCD: 3/21/2022 2:39:57 PM

Inter-Office Shipment

IOS Number : 79329

Date/Time: 03.11.2021
Created by: Brianna Teel
Please send report to: John Builes

Lab# From: **Midland**
Delivery Priority:
Address: 1211 W. Florida Ave

Lab# To: **El Paso**
Air Bill No.:
E-Mail: john.builes@eurofinset.com

Sample Id	Matrix	Client Sample Id	Sample Collection	Method	Method Name	Lab Due	HT Due	PM	Analytes	Sign
691329-001	W	MW52SA	03.10.2021 07:38	SM2540C	TDS by SM2540C	03.16.2021	03.17.2021	JHB	TDS	
691329-002	W	MW020SA	03.10.2021 07:59	SM2540C	TDS by SM2540C	03.16.2021	03.17.2021	JHB	TDS	
691329-003	W	MW019A	03.10.2021 08:17	SM2540C	TDS by SM2540C	03.16.2021	03.17.2021	JHB	TDS	
691329-004	W	MW018	03.10.2021 08:38	SM2540C	TDS by SM2540C	03.16.2021	03.17.2021	JHB	TDS	
691329-005	W	MW010	03.10.2021 09:20	SM2540C	TDS by SM2540C	03.16.2021	03.17.2021	JHB	TDS	
691329-006	W	MW040A	03.10.2021 09:40	SM2540C	TDS by SM2540C	03.16.2021	03.17.2021	JHB	TDS	
691329-007	W	MW013	03.10.2021 10:14	SM2540C	TDS by SM2540C	03.16.2021	03.17.2021	JHB	TDS	
691329-008	W	MW015A	03.10.2021 10:32	SM2540C	TDS by SM2540C	03.16.2021	03.17.2021	JHB	TDS	
691329-009	W	MW024A	03.10.2021 10:57	SM2540C	TDS by SM2540C	03.16.2021	03.17.2021	JHB	TDS	
691329-010	W	MW062A	03.10.2021 11:50	SM2540C	TDS by SM2540C	03.16.2021	03.17.2021	JHB	TDS	
691329-011	W	MW063A	03.10.2021 12:32	SM2540C	TDS by SM2540C	03.16.2021	03.17.2021	JHB	TDS	

Inter Office Shipment or Sample Comments:

Relinquished By: Brianna Teel
Brianna Teel

Date Relinquished: 03.11.2021

Received By:

Date Received:

Cooler Temperature:

Released to Imaging: 12/12/2022 10:42:57 AM
Received by OCD: 3/21/2022 2:39:57 PM

Inter-Office Shipment

IOS Number : 79330

Date/Time: 03.11.2021
Created by: Brianna Teel
Please send report to: John Builes

Lab# From: **Midland**
Delivery Priority:
Address: 1211 W. Florida Ave

Lab# To: **Houston**
Air Bill No.: Fedex
E-Mail: john.builes@eurofinset.com

Sample Id	Matrix	Client Sample Id	Sample Collection	Method	Method Name	Lab Due	HT Due	PM	Analytes	Sign
691329-001	W	MW52SA	03.10.2021 07:38	SW6020_DIS	(N) Dissolved Metals by SW6020A	03.16.2021	09.06.2021	JHB	AS CR FE MN	
691329-002	W	MW020SA	03.10.2021 07:59	SW6020_DIS	(N) Dissolved Metals by SW6020A	03.16.2021	09.06.2021	JHB	AS CR FE MN	
691329-003	W	MW019A	03.10.2021 08:17	SW6020_DIS	(N) Dissolved Metals by SW6020A	03.16.2021	09.06.2021	JHB	AS CR FE MN	
691329-004	W	MW018	03.10.2021 08:38	SW6020_DIS	(N) Dissolved Metals by SW6020A	03.16.2021	09.06.2021	JHB	AS CR FE MN	
691329-005	W	MW010	03.10.2021 09:20	SW6020_DIS	(N) Dissolved Metals by SW6020A	03.16.2021	09.06.2021	JHB	AS CR FE MN	
691329-006	W	MW040A	03.10.2021 09:40	SW6020_DIS	(N) Dissolved Metals by SW6020A	03.16.2021	09.06.2021	JHB	AS CR FE MN	
691329-007	W	MW013	03.10.2021 10:14	SW6020_DIS	(N) Dissolved Metals by SW6020A	03.16.2021	09.06.2021	JHB	AS CR FE MN	
691329-008	W	MW015A	03.10.2021 10:32	SW6020_DIS	(N) Dissolved Metals by SW6020A	03.16.2021	09.06.2021	JHB	AS CR FE MN	
691329-009	W	MW024A	03.10.2021 10:57	SW6020_DIS	(N) Dissolved Metals by SW6020A	03.16.2021	09.06.2021	JHB	AS CR FE MN	
691329-010	W	MW062A	03.10.2021 11:50	SW6020_DIS	(N) Dissolved Metals by SW6020A	03.16.2021	09.06.2021	JHB	AS CR FE MN	
691329-011	W	MW063A	03.10.2021 12:32	SW6020_DIS	(N) Dissolved Metals by SW6020A	03.16.2021	09.06.2021	JHB	AS CR FE MN	

Inter Office Shipment or Sample Comments:

Relinquished By: Brianna Teel
Brianna Teel

Date Relinquished: 03.11.2021

Received By: Jose F. Londono
Jose Londono

Date Received: 03.12.2021

Cooler Temperature: 4.1

Eurofins Xenco, LLC

Inter Office Report- Sample Receipt Checklist

Sent To: Houston

IOS #: 79330

Acceptable Temperature Range: 0 - 6 degC
Air and Metal samples Acceptable Range: Ambient
Temperature Measuring device used : HOU-272

Sent By: Brianna Teel **Date Sent:** 03.11.2021 08.17 AM

Received By: Jose Londono **Date Received:** 03.12.2021 10.39 AM

Sample Receipt Checklist		Comments
#1 *Temperature of cooler(s)?	4.1	
#2 *Shipping container in good condition?	**Yes**	
#3 *Samples received with appropriate temperature?	**Yes**	
#4 *Custody Seals intact on shipping container/ cooler?	**Yes**	
#5 *Custody Seals Signed and dated for Containers/coolers	**Yes**	
#6 *IOS present?	**Yes**	
#7 Any missing/extra samples?	**No**	
#8 IOS agrees with sample label(s)/matrix?	**Yes**	
#9 Sample matrix/ properties agree with IOS?	**Yes**	
#10 Samples in proper container/ bottle?	**Yes**	
#11 Samples properly preserved?	**Yes**	
#12 Sample container(s) intact?	**Yes**	
#13 Sufficient sample amount for indicated test(s)?	**Yes**	
#14 All samples received within hold time?	**Yes**	

*** Must be completed for after-hours delivery of samples prior to placing in the refrigerator**

NonConformance:

Corrective Action Taken:

Nonconformance Documentation

Contact: _____ **Contacted by :** _____ **Date:** _____

Checklist reviewed by: Jose Londono Date: 03.12.2021

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Analytical Report 691328

for

ARCADIS

Project Manager: Sonja Zabienski

Eunice Project - N Eunice

03.19.2021

Collected By: Client

1211 W. Florida Ave
Midland TX 79701

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

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

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

Released to Imaging: 12/12/2022 10:42:57 AM

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03.19.2021

Project Manager: **Sonja Zabienski**
ARCADIS
1004 N. Big Spring St.
Midland, TX 79701

Reference: Eurofins Xenco, LLC Report No(s): **691328**
Eunice Project - N Eunice
Project Address:

Sonja Zabienski:

We are reporting to you the results of the analyses performed on the samples received under the project name referenced above and identified with the Eurofins Xenco, LLC Report Number(s) 691328. All results being reported under this Report Number apply to the samples analyzed and properly identified with a Laboratory ID number. Subcontracted analyses are identified in this report with either the NELAC certification number of the subcontract lab in the analyst ID field, or the complete subcontracted report attached to this report.

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

The validity and integrity of this report will remain intact as long as it is accompanied by this letter and reproduced in full, unless written approval is granted by Eurofins Xenco, LLC. This report will be filed for at least 5 years in our archives after which time it will be destroyed without further notice, unless otherwise arranged with you. The samples received, and described as recorded in Report No. 691328 will be filed for 45 days, and after that time they will be properly disposed without further notice, unless otherwise arranged with you. We reserve the right to return to you any unused samples, extracts or solutions related to them if we consider so necessary (e.g., samples identified as hazardous waste, sample sizes exceeding analytical standard practices, controlled substances under regulated protocols, etc).

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

Respectfully,

John Builes
Project Manager

A Small Business and Minority Company

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

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Sample Cross Reference 691328

ARCADIS, Midland, TX

Eunice Project - N Eunice

Sample Id	Matrix	Date Collected	Sample Depth	Lab Sample Id
MW021A	W	03.10.2021 07:47		691328-001
MW050SA	W	03.10.2021 08:33		691328-002
MW051SA	W	03.10.2021 09:05		691328-003
MW054SA	W	03.10.2021 09:44		691328-004
MW067SA	W	03.10.2021 10:08		691328-005
MW079SA	W	03.10.2021 10:35		691328-006
IW003	W	03.10.2021 10:54		691328-007
MW095	W	03.10.2021 11:36		691328-008
MW060	W	03.10.2021 12:32		691328-009
MW069	W	03.10.2021 13:11		691328-010
MW031	W	03.10.2021 13:39		691328-011
MW059	W	03.10.2021 14:03		691328-012
DUP3	W	03.10.2021 00:00		691328-013
DUP4	W	03.10.2021 00:00		691328-014
DUP5	W	03.10.2021 00:00		691328-015

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CASE NARRATIVE

Client Name: ARCADIS

Project Name: Eunice Project - N Eunice

Project ID:
Work Order Number(s): *691328*

Report Date: *03.19.2021*
Date Received: *03.11.2021*

This laboratory is NELAC accredited under the Texas Laboratory Accreditation Program for all the methods, analytes, and matrices reported in this data package except as noted. The data have been reviewed and are technically compliant with the requirements of the methods used, except where noted by the laboratory.

Sample receipt non conformances and comments:

None

Sample receipt non conformances and comments per sample:

None

Analytical non conformances and comments:

Batch: LBA-3153620 Chloride by EPA 300

Lab Sample ID 691328-011 was randomly selected for Matrix Spike/Matrix Spike Duplicate (MS/MSD). Chloride recovered above QC limits in the Matrix Spike and Matrix Spike Duplicate. Outlier/s are due to possible matrix interference. Samples in the analytical batch are: 691328-001, -002, -003, -004, -005, -006, -007, -008, -009, -010, -011, -012, -013, -014, -015.

The Laboratory Control Sample for Chloride is within laboratory Control Limits, therefore the data was accepted.

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Certificate of Analytical Results
691328
ARCADIS, Midland, TX
Eunice Project - N Eunice

Sample Id: **MW021A** Matrix: Water Sample Depth:

Lab Sample Id: 691328-001 Date Collected: 03.10.2021 07:47 Date Received: 03.11.2021 17:30

Analytical Method: Chloride by EPA 300 Prep Method: E300P

Analyst: CHE % Moist:

Seq Number: 3153620 Date Prep: 03.12.2021 15:30 Tech: CHE

Prep seq: 7723226

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Chloride	16887-00-6	**2330**	25.0	1.05	mg/L	03.12.2021 19:10		50

Analytical Method: TDS by SM2540C Prep Method:

Analyst: DTH % Moist:

Seq Number: 3153922 Date Prep: Tech: DTH

Subcontractor: SUB: T104704221-20-18 Prep seq:

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Total Dissolved Solids	1642222	**5370**	100	100	mg/L	03.16.2021 17:00		1

Analytical Method: (N) Dissolved Metals by SW6020A Prep Method: 3010A

Analyst: DEP % Moist:

Seq Number: 3153749 Date Prep: 03.14.2021 12:00 Tech: DEP

Subcontractor: SUB: T104704215-20-39 Prep seq: 7723278

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Arsenic	7440-38-2	**0.0106**	0.00400	0.000246	mg/L	03.15.2021 18:18		1
Chromium	7440-47-3	**0.00259**	0.00400	0.000525	mg/L	03.15.2021 18:18	J	1
Iron	7439-89-6	<0.0227	0.100	0.0227	mg/L	03.15.2021 18:18	U	1
Manganese	7439-96-5	**0.0174**	0.00200	0.000199	mg/L	03.15.2021 18:18		1

Analytical Method: Chromium, Hexavalent by SW 7196A Prep Method:

Analyst: SPC % Moist:

Seq Number: 3153844 Date Prep: Tech: SPC

Prep seq:

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Chromium, Hexavalent	18540-29-9	<0.00273	0.0100	0.00273	mg/L	03.10.2021 18:21	U	1

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Certificate of Analytical Results

691328

ARCADIS, Midland, TX

Eunice Project - N Eunice

Sample Id: **MW050SA** Matrix: Water Sample Depth:

Lab Sample Id: 691328-002 Date Collected: 03.10.2021 08:33 Date Received: 03.11.2021 17:30

Analytical Method: Chloride by EPA 300 Prep Method: E300P

Analyst: CHE % Moist:

Seq Number: 3153620 Date Prep: 03.12.2021 15:30 Tech: CHE

Prep seq: 7723226

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Chloride	16887-00-6	**1180**	25.0	1.05	mg/L	03.12.2021 19:15		50

Analytical Method: TDS by SM2540C Prep Method:

Analyst: DTH % Moist:

Seq Number: 3153922 Date Prep: Tech: DTH

Subcontractor: SUB: T104704221-20-18 Prep seq:

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Total Dissolved Solids	1642222	**3370**	100	100	mg/L	03.16.2021 17:00		1

Analytical Method: (N) Dissolved Metals by SW6020A Prep Method: 3010A

Analyst: DEP % Moist:

Seq Number: 3153749 Date Prep: 03.14.2021 12:00 Tech: DEP

Subcontractor: SUB: T104704215-20-39 Prep seq: 7723278

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Arsenic	7440-38-2	**0.00906**	0.00400	0.000246	mg/L	03.15.2021 18:21		1
Chromium	7440-47-3	**0.307**	0.00400	0.000525	mg/L	03.15.2021 18:21		1
Iron	7439-89-6	<0.0227	0.100	0.0227	mg/L	03.15.2021 18:21	U	1
Manganese	7439-96-5	**0.00729**	0.00200	0.000199	mg/L	03.15.2021 18:21		1

Analytical Method: Chromium, Hexavalent by SW 7196A Prep Method:

Analyst: SPC % Moist:

Seq Number: 3153844 Date Prep: Tech: SPC

Prep seq:

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Chromium, Hexavalent	18540-29-9	**0.309**	0.0100	0.00273	mg/L	03.10.2021 18:21		1

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Certificate of Analytical Results
691328
ARCADIS, Midland, TX
Eunice Project - N Eunice

Sample Id: **MW051SA** Matrix: Water Sample Depth:

Lab Sample Id: 691328-003 Date Collected: 03.10.2021 09:05 Date Received: 03.11.2021 17:30

Analytical Method: Chloride by EPA 300 Prep Method: E300P

Analyst: CHE % Moist:

Seq Number: 3153620 Date Prep: 03.12.2021 15:30 Tech: CHE

Prep seq: 7723226

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Chloride	16887-00-6	**1050**	25.0	1.05	mg/L	03.12.2021 19:21		50

Analytical Method: TDS by SM2540C Prep Method:

Analyst: DTH % Moist:

Seq Number: 3153922 Date Prep: Tech: DTH

Subcontractor: SUB: T104704221-20-18 Prep seq:

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Total Dissolved Solids	1642222	**3540**	100	100	mg/L	03.16.2021 17:00		1

Analytical Method: (N) Dissolved Metals by SW6020A Prep Method: 3010A

Analyst: DEP % Moist:

Seq Number: 3153749 Date Prep: 03.14.2021 12:00 Tech: DEP

Subcontractor: SUB: T104704215-20-39 Prep seq: 7723278

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Arsenic	7440-38-2	**0.0100**	0.00400	0.000246	mg/L	03.15.2021 18:24		1
Chromium	7440-47-3	**0.705**	0.00400	0.000525	mg/L	03.15.2021 18:24		1
Iron	7439-89-6	<0.0227	0.100	0.0227	mg/L	03.15.2021 18:24	U	1
Manganese	7439-96-5	**0.00359**	0.00200	0.000199	mg/L	03.15.2021 18:24		1

Analytical Method: Chromium, Hexavalent by SW 7196A Prep Method:

Analyst: SPC % Moist:

Seq Number: 3153844 Date Prep: Tech: SPC

Prep seq:

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Chromium, Hexavalent	18540-29-9	**0.738**	0.0500	0.0136	mg/L	03.10.2021 18:21		5

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Certificate of Analytical Results
691328
ARCADIS, Midland, TX
Eunice Project - N Eunice

Sample Id: **MW054SA** Matrix: Water Sample Depth:

Lab Sample Id: 691328-004 Date Collected: 03.10.2021 09:44 Date Received: 03.11.2021 17:30

Analytical Method: Chloride by EPA 300 Prep Method: E300P

Analyst: CHE % Moist:

Seq Number: 3153620 Date Prep: 03.12.2021 15:30 Tech: CHE

Prep seq: 7723226

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Chloride	16887-00-6	**862**	10.0	0.421	mg/L	03.12.2021 19:26		20

Analytical Method: TDS by SM2540C Prep Method:

Analyst: DTH % Moist:

Seq Number: 3153922 Date Prep: Tech: DTH

Subcontractor: SUB: T104704221-20-18 Prep seq:

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Total Dissolved Solids	1642222	**2180**	50.0	50.0	mg/L	03.16.2021 17:00		1

Analytical Method: (N) Dissolved Metals by SW6020A Prep Method: 3010A

Analyst: DEP % Moist:

Seq Number: 3153749 Date Prep: 03.14.2021 12:00 Tech: DEP

Subcontractor: SUB: T104704215-20-39 Prep seq: 7723278

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Arsenic	7440-38-2	**0.0105**	0.00400	0.000246	mg/L	03.15.2021 18:27		1
Chromium	7440-47-3	**0.119**	0.00400	0.000525	mg/L	03.15.2021 18:27		1
Iron	7439-89-6	<0.0227	0.100	0.0227	mg/L	03.15.2021 18:27	U	1
Manganese	7439-96-5	**0.000658**	0.00200	0.000199	mg/L	03.15.2021 18:27	J	1

Analytical Method: Chromium, Hexavalent by SW 7196A Prep Method:

Analyst: SPC % Moist:

Seq Number: 3153844 Date Prep: Tech: SPC

Prep seq:

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Chromium, Hexavalent	18540-29-9	**0.111**	0.0100	0.00273	mg/L	03.10.2021 18:21		1

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Certificate of Analytical Results
691328
ARCADIS, Midland, TX
Eunice Project - N Eunice

Sample Id: **MW067SA** Matrix: Water Sample Depth:

Lab Sample Id: 691328-005 Date Collected: 03.10.2021 10:08 Date Received: 03.11.2021 17:30

Analytical Method: Chloride by EPA 300 Prep Method: E300P

Analyst: CHE % Moist:

Seq Number: 3153620 Date Prep: 03.12.2021 15:30 Tech: CHE

Prep seq: 7723226

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Chloride	16887-00-6	**193**	5.00	0.210	mg/L	03.12.2021 18:53	X	10

Analytical Method: TDS by SM2540C Prep Method:

Analyst: DTH % Moist:

Seq Number: 3153922 Date Prep: Tech: DTH

Subcontractor: SUB: T104704221-20-18 Prep seq:

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Total Dissolved Solids	1642222	**991**	25.0	25.0	mg/L	03.16.2021 17:00		1

Analytical Method: (N) Dissolved Metals by SW6020A Prep Method: 3010A

Analyst: DEP % Moist:

Seq Number: 3153749 Date Prep: 03.14.2021 12:00 Tech: DEP

Subcontractor: SUB: T104704215-20-39 Prep seq: 7723278

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Arsenic	7440-38-2	**0.0193**	0.00400	0.000246	mg/L	03.15.2021 18:30		1
Chromium	7440-47-3	**0.000640**	0.00400	0.000525	mg/L	03.15.2021 18:30	J	1
Iron	7439-89-6	**0.180**	0.100	0.0227	mg/L	03.15.2021 18:30		1
Manganese	7439-96-5	**0.00337**	0.00200	0.000199	mg/L	03.15.2021 18:30		1

Analytical Method: Chromium, Hexavalent by SW 7196A Prep Method:

Analyst: SPC % Moist:

Seq Number: 3153844 Date Prep: Tech: SPC

Prep seq:

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Chromium, Hexavalent	18540-29-9	<0.00273	0.0100	0.00273	mg/L	03.10.2021 18:21	U	1

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Certificate of Analytical Results
691328
ARCADIS, Midland, TX
Eunice Project - N Eunice

Sample Id: **MW079SA** Matrix: Water Sample Depth:

Lab Sample Id: 691328-006 Date Collected: 03.10.2021 10:35 Date Received: 03.11.2021 17:30

Analytical Method: Chloride by EPA 300 Prep Method: E300P

Analyst: CHE % Moist:

Seq Number: 3153620 Date Prep: 03.12.2021 15:30 Tech: CHE

Prep seq: 7723226

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Chloride	16887-00-6	**281**	5.00	0.210	mg/L	03.12.2021 19:43		10

Analytical Method: TDS by SM2540C Prep Method:

Analyst: DTH % Moist:

Seq Number: 3153922 Date Prep: Tech: DTH

Subcontractor: SUB: T104704221-20-18 Prep seq:

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Total Dissolved Solids	1642222	**1270**	50.0	50.0	mg/L	03.16.2021 17:00		1

Analytical Method: (N) Dissolved Metals by SW6020A Prep Method: 3010A

Analyst: DEP % Moist:

Seq Number: 3153894 Date Prep: 03.16.2021 09:00 Tech: DEP

Subcontractor: SUB: T104704215-20-39 Prep seq: 7723430

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Arsenic	7440-38-2	**0.00962**	0.00400	0.000246	mg/L	03.16.2021 19:32		1
Chromium	7440-47-3	<0.000525	0.00400	0.000525	mg/L	03.16.2021 19:32	U	1
Iron	7439-89-6	**0.0839**	0.100	0.0227	mg/L	03.16.2021 19:32	J	1
Manganese	7439-96-5	**0.0210**	0.00200	0.000199	mg/L	03.16.2021 19:32		1

Analytical Method: Chromium, Hexavalent by SW 7196A Prep Method:

Analyst: SPC % Moist:

Seq Number: 3153844 Date Prep: Tech: SPC

Prep seq:

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Chromium, Hexavalent	18540-29-9	<0.00273	0.0100	0.00273	mg/L	03.10.2021 18:21	U	1

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Certificate of Analytical Results
691328
ARCADIS, Midland, TX
Eunice Project - N Eunice

Sample Id: **IW003** Matrix: Water Sample Depth:

Lab Sample Id: 691328-007 Date Collected: 03.10.2021 10:54 Date Received: 03.11.2021 17:30

Analytical Method: Chloride by EPA 300 Prep Method: E300P

Analyst: CHE % Moist:

Seq Number: 3153620 Date Prep: 03.12.2021 15:30 Tech: CHE

Prep seq: 7723226

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Chloride	16887-00-6	**795**	10.0	0.421	mg/L	03.12.2021 19:48		20

Analytical Method: TDS by SM2540C Prep Method:

Analyst: DTH % Moist:

Seq Number: 3153922 Date Prep: Tech: DTH

Subcontractor: SUB: T104704221-20-18 Prep seq:

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Total Dissolved Solids	1642222	**2260**	100	100	mg/L	03.16.2021 17:00		1

Analytical Method: (N) Dissolved Metals by SW6020A Prep Method: 3010A

Analyst: DEP % Moist:

Seq Number: 3153894 Date Prep: 03.16.2021 09:00 Tech: DEP

Subcontractor: SUB: T104704215-20-39 Prep seq: 7723430

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Arsenic	7440-38-2	**0.0162**	0.00400	0.000246	mg/L	03.16.2021 19:35		1
Chromium	7440-47-3	**0.00497**	0.00400	0.000525	mg/L	03.16.2021 19:35		1
Iron	7439-89-6	**6.27**	0.100	0.0227	mg/L	03.16.2021 19:35		1
Manganese	7439-96-5	**5.10**	0.200	0.0199	mg/L	03.17.2021 12:25	D	100

Analytical Method: Chromium, Hexavalent by SW 7196A Prep Method:

Analyst: SPC % Moist:

Seq Number: 3153844 Date Prep: Tech: SPC

Prep seq:

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Chromium, Hexavalent	18540-29-9	<0.00273	0.0100	0.00273	mg/L	03.10.2021 18:21	U	1

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Certificate of Analytical Results
691328
ARCADIS, Midland, TX
Eunice Project - N Eunice

Sample Id: **MW095** Matrix: Water Sample Depth:

Lab Sample Id: 691328-008 Date Collected: 03.10.2021 11:36 Date Received: 03.11.2021 17:30

Analytical Method: Chloride by EPA 300 Prep Method: E300P

Analyst: CHE % Moist:

Seq Number: 3153620 Date Prep: 03.12.2021 15:30 Tech: CHE

Prep seq: 7723226

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Chloride	16887-00-6	**1460**	25.0	1.05	mg/L	03.12.2021 19:54		50

Analytical Method: TDS by SM2540C Prep Method:

Analyst: DTH % Moist:

Seq Number: 3153922 Date Prep: Tech: DTH

Subcontractor: SUB: T104704221-20-18 Prep seq:

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Total Dissolved Solids	1642222	**4570**	100	100	mg/L	03.16.2021 17:00		1

Analytical Method: (N) Dissolved Metals by SW6020A Prep Method: 3010A

Analyst: DEP % Moist:

Seq Number: 3153894 Date Prep: 03.16.2021 09:00 Tech: DEP

Subcontractor: SUB: T104704215-20-39 Prep seq: 7723430

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Arsenic	7440-38-2	**0.00894**	0.00400	0.000246	mg/L	03.16.2021 19:38		1
Chromium	7440-47-3	**3.83**	0.200	0.0262	mg/L	03.17.2021 12:28	D	50
Iron	7439-89-6	**0.0328**	0.100	0.0227	mg/L	03.16.2021 19:38	J	1
Manganese	7439-96-5	**0.111**	0.00200	0.000199	mg/L	03.16.2021 19:38		1

Analytical Method: Chromium, Hexavalent by SW 7196A Prep Method:

Analyst: SPC % Moist:

Seq Number: 3153844 Date Prep: Tech: SPC

Prep seq:

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Chromium, Hexavalent	18540-29-9	**3.67**	0.200	0.0545	mg/L	03.10.2021 18:21		20

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Certificate of Analytical Results
691328
ARCADIS, Midland, TX
Eunice Project - N Eunice

Sample Id: **MW060** Matrix: Water Sample Depth:

Lab Sample Id: 691328-009 Date Collected: 03.10.2021 12:32 Date Received: 03.11.2021 17:30

Analytical Method: Chloride by EPA 300 Prep Method: E300P

Analyst: CHE % Moist:

Seq Number: 3153620 Date Prep: 03.12.2021 15:30 Tech: CHE

Prep seq: 7723226

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Chloride	16887-00-6	**1360**	25.0	1.05	mg/L	03.12.2021 19:59		50

Analytical Method: TDS by SM2540C Prep Method:

Analyst: DTH % Moist:

Seq Number: 3153922 Date Prep: Tech: DTH

Subcontractor: SUB: T104704221-20-18 Prep seq:

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Total Dissolved Solids	1642222	**3400**	100	100	mg/L	03.16.2021 17:00		1

Analytical Method: (N) Dissolved Metals by SW6020A Prep Method: 3010A

Analyst: DEP % Moist:

Seq Number: 3153894 Date Prep: 03.16.2021 09:00 Tech: DEP

Subcontractor: SUB: T104704215-20-39 Prep seq: 7723430

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Arsenic	7440-38-2	**0.00332**	0.00400	0.000246	mg/L	03.16.2021 19:41	J	1
Chromium	7440-47-3	<0.000525	0.00400	0.000525	mg/L	03.16.2021 19:41	U	1
Iron	7439-89-6	**2.08**	0.100	0.0227	mg/L	03.16.2021 19:41		1
Manganese	7439-96-5	**5.71**	0.200	0.0199	mg/L	03.17.2021 12:31	D	100

Analytical Method: Chromium, Hexavalent by SW 7196A Prep Method:

Analyst: SPC % Moist:

Seq Number: 3153844 Date Prep: Tech: SPC

Prep seq:

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Chromium, Hexavalent	18540-29-9	<0.00273	0.0100	0.00273	mg/L	03.10.2021 18:21	U	1

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Eunice Project - N Eunice

Sample Id: **MW069** Matrix: Water Sample Depth:

Lab Sample Id: 691328-010 Date Collected: 03.10.2021 13:11 Date Received: 03.11.2021 17:30

Analytical Method: Chloride by EPA 300 Prep Method: E300P

Analyst: CHE % Moist:

Seq Number: 3153620 Date Prep: 03.12.2021 15:30 Tech: CHE

Prep seq: 7723226

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Chloride	16887-00-6	**8610**	50.0	2.10	mg/L	03.12.2021 20:05		100

Analytical Method: TDS by SM2540C Prep Method:

Analyst: DTH % Moist:

Seq Number: 3153922 Date Prep: Tech: DTH

Subcontractor: SUB: T104704221-20-18 Prep seq:

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Total Dissolved Solids	1642222	**15100**	50.0	50.0	mg/L	03.16.2021 17:00		1

Analytical Method: (N) Dissolved Metals by SW6020A Prep Method: 3010A

Analyst: DEP % Moist:

Seq Number: 3153894 Date Prep: 03.16.2021 09:00 Tech: DEP

Subcontractor: SUB: T104704215-20-39 Prep seq: 7723430

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Arsenic	7440-38-2	**0.00732**	0.00400	0.000246	mg/L	03.16.2021 19:43		1
Chromium	7440-47-3	<0.000525	0.00400	0.000525	mg/L	03.16.2021 19:43	U	1
Iron	7439-89-6	**0.0299**	0.100	0.0227	mg/L	03.16.2021 19:43	J	1
Manganese	7439-96-5	**0.170**	0.00200	0.000199	mg/L	03.16.2021 19:43		1

Analytical Method: Chromium, Hexavalent by SW 7196A Prep Method:

Analyst: SPC % Moist:

Seq Number: 3153846 Date Prep: Tech: SPC

Prep seq:

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Chromium, Hexavalent	18540-29-9	<0.00273	0.0100	0.00273	mg/L	03.10.2021 19:35	U	1

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Eunice Project - N Eunice

Sample Id: **MW031** Matrix: Water Sample Depth:

Lab Sample Id: 691328-011 Date Collected: 03.10.2021 13:39 Date Received: 03.11.2021 17:30

Analytical Method: Chloride by EPA 300 Prep Method: E300P

Analyst: CHE % Moist:

Seq Number: 3153620 Date Prep: 03.12.2021 15:30 Tech: CHE

Prep seq: 7723226

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Chloride	16887-00-6	**160**	2.50	0.105	mg/L	03.12.2021 20:10	X	5

Analytical Method: TDS by SM2540C Prep Method:

Analyst: DTH % Moist:

Seq Number: 3153992 Date Prep: Tech: DTH

Subcontractor: SUB: T104704221-20-18 Prep seq:

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Total Dissolved Solids	1642222	**863**	25.0	25.0	mg/L	03.16.2021 17:00		1

Analytical Method: (N) Dissolved Metals by SW6020A Prep Method: 3010A

Analyst: DEP % Moist:

Seq Number: 3153894 Date Prep: 03.16.2021 09:00 Tech: DEP

Subcontractor: SUB: T104704215-20-39 Prep seq: 7723430

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Arsenic	7440-38-2	**0.0290**	0.00400	0.000246	mg/L	03.16.2021 19:46		1
Chromium	7440-47-3	<0.000525	0.00400	0.000525	mg/L	03.16.2021 19:46	U	1
Iron	7439-89-6	**0.822**	0.100	0.0227	mg/L	03.16.2021 19:46		1
Manganese	7439-96-5	**0.190**	0.00200	0.000199	mg/L	03.16.2021 19:46		1

Analytical Method: Chromium, Hexavalent by SW 7196A Prep Method:

Analyst: SPC % Moist:

Seq Number: 3153846 Date Prep: Tech: SPC

Prep seq:

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Chromium, Hexavalent	18540-29-9	<0.00273	0.0100	0.00273	mg/L	03.10.2021 19:35	U	1

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ARCADIS, Midland, TX
Eunice Project - N Eunice

Sample Id: **MW059** Matrix: Water Sample Depth:

Lab Sample Id: 691328-012 Date Collected: 03.10.2021 14:03 Date Received: 03.11.2021 17:30

Analytical Method: Chloride by EPA 300 Prep Method: E300P

Analyst: CHE % Moist:

Seq Number: 3153620 Date Prep: 03.12.2021 15:30 Tech: CHE

Prep seq: 7723226

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Chloride	16887-00-6	**812**	10.0	0.421	mg/L	03.12.2021 20:27		20

Analytical Method: TDS by SM2540C Prep Method:

Analyst: DTH % Moist:

Seq Number: 3153992 Date Prep: Tech: DTH

Subcontractor: SUB: T104704221-20-18 Prep seq:

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Total Dissolved Solids	1642222	**919**	25.0	25.0	mg/L	03.16.2021 17:00		1

Analytical Method: (N) Dissolved Metals by SW6020A Prep Method: 3010A

Analyst: DEP % Moist:

Seq Number: 3153894 Date Prep: 03.16.2021 09:00 Tech: DEP

Subcontractor: SUB: T104704215-20-39 Prep seq: 7723430

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Arsenic	7440-38-2	**0.0137**	0.00400	0.000246	mg/L	03.16.2021 19:49		1
Chromium	7440-47-3	**0.650**	0.00400	0.000525	mg/L	03.16.2021 19:49		1
Iron	7439-89-6	<0.0227	0.100	0.0227	mg/L	03.16.2021 19:49	U	1
Manganese	7439-96-5	<0.000199	0.00200	0.000199	mg/L	03.16.2021 19:49	U	1

Analytical Method: Chromium, Hexavalent by SW 7196A Prep Method:

Analyst: SPC % Moist:

Seq Number: 3153846 Date Prep: Tech: SPC

Prep seq:

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Chromium, Hexavalent	18540-29-9	**0.465**	0.0100	0.00273	mg/L	03.10.2021 19:35		1

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Eunice Project - N Eunice

Sample Id: **DUP3** Matrix: Water Sample Depth:

Lab Sample Id: 691328-013 Date Collected: 03.10.2021 00:00 Date Received: 03.11.2021 17:30

Analytical Method: Chloride by EPA 300 Prep Method: E300P

Analyst: CHE % Moist:

Seq Number: 3153620 Date Prep: 03.12.2021 15:30 Tech: CHE

Prep seq: 7723226

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Chloride	16887-00-6	**1050**	25.0	1.05	mg/L	03.12.2021 20:33		50

Analytical Method: TDS by SM2540C Prep Method:

Analyst: DTH % Moist:

Seq Number: 3153992 Date Prep: Tech: DTH

Subcontractor: SUB: T104704221-20-18 Prep seq:

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Total Dissolved Solids	1642222	**853**	25.0	25.0	mg/L	03.16.2021 17:00		1

Analytical Method: (N) Dissolved Metals by SW6020A Prep Method: 3010A

Analyst: DEP % Moist:

Seq Number: 3153894 Date Prep: 03.16.2021 09:00 Tech: DEP

Subcontractor: SUB: T104704215-20-39 Prep seq: 7723430

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Arsenic	7440-38-2	**0.0111**	0.00400	0.000246	mg/L	03.16.2021 19:52		1
Chromium	7440-47-3	**0.761**	0.00400	0.000525	mg/L	03.16.2021 19:52		1
Iron	7439-89-6	<0.0227	0.100	0.0227	mg/L	03.16.2021 19:52	U	1
Manganese	7439-96-5	**0.00381**	0.00200	0.000199	mg/L	03.16.2021 19:52		1

Analytical Method: Chromium, Hexavalent by SW 7196A Prep Method:

Analyst: SPC % Moist:

Seq Number: 3153846 Date Prep: Tech: SPC

Prep seq:

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Chromium, Hexavalent	18540-29-9	**0.725**	0.0500	0.0136	mg/L	03.10.2021 19:35		5

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Eunice Project - N Eunice

Sample Id: **DUP4** Matrix: Water Sample Depth:

Lab Sample Id: 691328-014 Date Collected: 03.10.2021 00:00 Date Received: 03.11.2021 17:30

Analytical Method: Chloride by EPA 300 Prep Method: E300P

Analyst: CHE % Moist:

Seq Number: 3153620 Date Prep: 03.12.2021 15:30 Tech: CHE

Prep seq: 7723226

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Chloride	16887-00-6	**1470**	25.0	1.05	mg/L	03.12.2021 20:49		50

Analytical Method: TDS by SM2540C Prep Method:

Analyst: DTH % Moist:

Seq Number: 3153992 Date Prep: Tech: DTH

Subcontractor: SUB: T104704221-20-18 Prep seq:

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Total Dissolved Solids	1642222	**1090**	25.0	25.0	mg/L	03.16.2021 17:00		1

Analytical Method: (N) Dissolved Metals by SW6020A Prep Method: 3010A

Analyst: DEP % Moist:

Seq Number: 3153894 Date Prep: 03.16.2021 09:00 Tech: DEP

Subcontractor: SUB: T104704215-20-39 Prep seq: 7723430

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Arsenic	7440-38-2	**0.00929**	0.00400	0.000246	mg/L	03.16.2021 19:55		1
Chromium	7440-47-3	**4.03**	0.200	0.0262	mg/L	03.17.2021 12:34	D	50
Iron	7439-89-6	**0.0306**	0.100	0.0227	mg/L	03.16.2021 19:55	J	1
Manganese	7439-96-5	**0.112**	0.00200	0.000199	mg/L	03.16.2021 19:55		1

Analytical Method: Chromium, Hexavalent by SW 7196A Prep Method:

Analyst: SPC % Moist:

Seq Number: 3153846 Date Prep: Tech: SPC

Prep seq:

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Chromium, Hexavalent	18540-29-9	**3.70**	0.200	0.0545	mg/L	03.10.2021 19:35		20

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Sample Id: **DUP5** Matrix: Water Sample Depth:

Lab Sample Id: 691328-015 Date Collected: 03.10.2021 00:00 Date Received: 03.11.2021 17:30

Analytical Method: Chloride by EPA 300 Prep Method: E300P

Analyst: CHE % Moist:

Seq Number: 3153620 Date Prep: 03.12.2021 15:30 Tech: CHE

Prep seq: 7723226

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Chloride	16887-00-6	**831**	10.0	0.421	mg/L	03.12.2021 20:55		20

Analytical Method: TDS by SM2540C Prep Method:

Analyst: DTH % Moist:

Seq Number: 3153992 Date Prep: Tech: DTH

Subcontractor: SUB: T104704221-20-18 Prep seq:

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Total Dissolved Solids	1642222	**842**	25.0	25.0	mg/L	03.16.2021 17:00		1

Analytical Method: (N) Dissolved Metals by SW6020A Prep Method: 3010A

Analyst: DEP % Moist:

Seq Number: 3153894 Date Prep: 03.16.2021 09:00 Tech: DEP

Subcontractor: SUB: T104704215-20-39 Prep seq: 7723430

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Arsenic	7440-38-2	**0.0129**	0.00400	0.000246	mg/L	03.16.2021 20:04		1
Chromium	7440-47-3	**0.612**	0.00400	0.000525	mg/L	03.16.2021 20:04		1
Iron	7439-89-6	<0.0227	0.100	0.0227	mg/L	03.16.2021 20:04	U	1
Manganese	7439-96-5	<0.000199	0.00200	0.000199	mg/L	03.16.2021 20:04	U	1

Analytical Method: Chromium, Hexavalent by SW 7196A Prep Method:

Analyst: SPC % Moist:

Seq Number: 3153846 Date Prep: Tech: SPC

Prep seq:

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Chromium, Hexavalent	18540-29-9	**0.483**	0.0100	0.00273	mg/L	03.10.2021 19:35		1

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691328

ARCADIS, Midland, TX

Eunice Project - N Eunice

Sample Id: **3153844-1-BLK** Matrix: Water Sample Depth:

Lab Sample Id: 3153844-1-BLK Date Collected: Date Received:

Analytical Method: Chromium, Hexavalent by SW 7196A Prep Method:

Analyst: SPC % Moist:

Seq Number: 3153844 Date Prep: Tech: SPC

Prep seq:

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Chromium, Hexavalent	18540-29-9	<0.00273	0.0100	0.00273	mg/L	03.10.2021 18:21	U	1

Sample Id: **3153846-1-BLK** Matrix: Water Sample Depth:

Lab Sample Id: 3153846-1-BLK Date Collected: Date Received:

Analytical Method: Chromium, Hexavalent by SW 7196A Prep Method:

Analyst: SPC % Moist:

Seq Number: 3153846 Date Prep: Tech: SPC

Prep seq:

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Chromium, Hexavalent	18540-29-9	<0.00273	0.0100	0.00273	mg/L	03.10.2021 19:35	U	1

Sample Id: **3153922-1-BLK** Matrix: Water Sample Depth:

Lab Sample Id: 3153922-1-BLK Date Collected: Date Received:

Analytical Method: TDS by SM2540C Prep Method:

Analyst: DTH % Moist:

Seq Number: 3153922 Date Prep: Tech: DTH

Subcontractor: SUB: T104704221-20-18 Prep seq:

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Total Dissolved Solids	1642222	<12.5	12.5	12.5	mg/L	03.16.2021 17:00	U	1

Sample Id: **3153992-1-BLK** Matrix: Water Sample Depth:

Lab Sample Id: 3153992-1-BLK Date Collected: Date Received:

Analytical Method: TDS by SM2540C Prep Method:

Analyst: DTH % Moist:

Seq Number: 3153992 Date Prep: Tech: DTH

Subcontractor: SUB: T104704221-20-18 Prep seq:

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Total Dissolved Solids	1642222	<12.5	12.5	12.5	mg/L	03.16.2021 17:00	U	1

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691328
ARCADIS, Midland, TX
Eunice Project - N Eunice

Sample Id: **7723226-1-BLK** Matrix: Water Sample Depth:
Lab Sample Id: 7723226-1-BLK Date Collected: Date Received:
Analytical Method: Chloride by EPA 300 Prep Method: E300P
Analyst: CHE % Moist:
Seq Number: 3153620 Date Prep: 03.12.2021 15:30 Tech: CHE
Prep seq: 7723226

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Chloride	16887-00-6	<0.0210	0.500	0.0210	mg/L	03.12.2021 18:36	U	1

Sample Id: **7723278-1-BLK** Matrix: Water Sample Depth:
Lab Sample Id: 7723278-1-BLK Date Collected: Date Received:
Analytical Method: (N) Dissolved Metals by SW6020A Prep Method: 3010A
Analyst: DEP % Moist:
Seq Number: 3153749 Date Prep: 03.14.2021 12:00 Tech: DEP
Subcontractor: SUB: T104704215-20-39 Prep seq: 7723278

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Arsenic	7440-38-2	<0.000246	0.00400	0.000246	mg/L	03.15.2021 17:03	U	1
Chromium	7440-47-3	<0.000525	0.00400	0.000525	mg/L	03.15.2021 17:03	U	1
Iron	7439-89-6	<0.0227	0.100	0.0227	mg/L	03.15.2021 17:03	U	1
Manganese	7439-96-5	<0.000199	0.00200	0.000199	mg/L	03.15.2021 17:03	U	1

Sample Id: **7723430-1-BLK** Matrix: Water Sample Depth:
Lab Sample Id: 7723430-1-BLK Date Collected: Date Received:
Analytical Method: (N) Dissolved Metals by SW6020A Prep Method: 3010A
Analyst: DEP % Moist:
Seq Number: 3153894 Date Prep: 03.16.2021 09:00 Tech: DEP
Subcontractor: SUB: T104704215-20-39 Prep seq: 7723430

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Arsenic	7440-38-2	<0.000246	0.00400	0.000246	mg/L	03.16.2021 19:00	U	1
Chromium	7440-47-3	<0.000525	0.00400	0.000525	mg/L	03.16.2021 19:00	U	1
Iron	7439-89-6	<0.0227	0.100	0.0227	mg/L	03.16.2021 19:00	U	1
Manganese	7439-96-5	<0.000199	0.00200	0.000199	mg/L	03.16.2021 19:00	U	1

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Flagging Criteria

X In our quality control review of the data a QC deficiency was observed and flagged as noted. MS/MSD recoveries were found to be outside of the laboratory control limits due to possible matrix /chemical interference, or a concentration of target analyte high enough to affect the recovery of the spike concentration. This condition could also affect the relative percent difference in the MS/MSD.

B A target analyte or common laboratory contaminant was identified in the method blank. Its presence indicates possible field or laboratory contamination.

D The sample(s) were diluted due to targets detected over the highest point of the calibration curve, or due to matrix interference. Dilution factors are included in the final results. The result is from a diluted sample.

E The data exceeds the upper calibration limit; therefore, the concentration is reported as estimated.

F RPD exceeded lab control limits.

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

U Analyte was not detected.

L The LCS data for this analytical batch was reported below the laboratory control limits for this analyte. The department supervisor and QA Director reviewed data. The samples were either reanalyzed or flagged as estimated concentrations.

H The LCS data for this analytical batch was reported above the laboratory control limits. Supporting QC Data were reviewed by the Department Supervisor and QA Director. Data were determined to be valid for reporting.

K Sample analyzed outside of recommended hold time.

JN A combination of the "N" and the "J" qualifier. The analysis indicates that the analyte is "tentatively identified" and the associated numerical value may not be consistent with the amount actually present in the environmental sample.

** Surrogate recovered outside laboratory control limit.

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

RL Reporting Limit

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

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

DL Method Detection Limit

NC Non-Calculable

SMP Client Sample **BLK** Method Blank

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

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

+ NELAC certification not offered for this compound.

* (Next to analyte name or method description) = Outside XENCO's scope of NELAC accreditation

Released to Imaging: 12/12/2022 10:42:57 AM
Received by OCD: 3/21/2022 2:39:57 PM

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BS / BSD Recoveries

Project Name: Eunice Project - N Eunice

Work Order #: 691328 **Project ID:**

Analyst: CHE **Date Prepared:** 03.12.2021 **Date Analyzed:** 03.12.2021

Lab Batch ID: 3153620 **Sample:** 7723226-1-BKS **Batch #:** 1 **Matrix:** Water

Units: mg/L

BLANK /BLANK SPIKE / BLANK SPIKE DUPLICATE RECOVERY STUDY

Chloride by EPA 300 Analytes	Blank Sample Result [A]	Spike Added [B]	Blank Spike Result [C]	Blank Spike %R [D]	Spike Added [E]	Blank Spike Duplicate Result [F]	Blk. Spk Dup. %R [G]	RPD %	Control Limits %R	Control Limits %RPD	Flag
Chloride	<0.0210	25.0	26.2	105	25.0	26.2	105	0	90-110	20	

Analyst: SPC **Date Prepared:** 03.10.2021 **Date Analyzed:** 03.10.2021

Lab Batch ID: 3153844 **Sample:** 3153844-1-BKS **Batch #:** 1 **Matrix:** Water

Units: mg/L

BLANK /BLANK SPIKE / BLANK SPIKE DUPLICATE RECOVERY STUDY

Chromium, Hexavalent by SW 7196A Analytes	Blank Sample Result [A]	Spike Added [B]	Blank Spike Result [C]	Blank Spike %R [D]	Spike Added [E]	Blank Spike Duplicate Result [F]	Blk. Spk Dup. %R [G]	RPD %	Control Limits %R	Control Limits %RPD	Flag
Chromium, Hexavalent	<0.00273	0.0400	0.0413	103	0.0400	0.0412	103	0	85-115	20	

Analyst: SPC **Date Prepared:** 03.10.2021 **Date Analyzed:** 03.10.2021

Lab Batch ID: 3153846 **Sample:** 3153846-1-BKS **Batch #:** 1 **Matrix:** Water

Units: mg/L

BLANK /BLANK SPIKE / BLANK SPIKE DUPLICATE RECOVERY STUDY

Chromium, Hexavalent by SW 7196A Analytes	Blank Sample Result [A]	Spike Added [B]	Blank Spike Result [C]	Blank Spike %R [D]	Spike Added [E]	Blank Spike Duplicate Result [F]	Blk. Spk Dup. %R [G]	RPD %	Control Limits %R	Control Limits %RPD	Flag
Chromium, Hexavalent	<0.00273	0.0400	0.0459	115	0.0400	0.0459	115	0	85-115	20	

Relative Percent Difference RPD = 200*|(C-F)/(C+F)|
Blank Spike Recovery [D] = 100*(C)/[B]
Blank Spike Duplicate Recovery [G] = 100*(F)/[E]
All results are based on MDL and Validated for QC Purposes

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BS / BSD Recoveries

Project Name: Eunice Project - N Eunice

Work Order #: 691328 **Project ID:**

Analyst: DEP **Date Prepared:** 03.14.2021 **Date Analyzed:** 03.15.2021

Lab Batch ID: 3153749 **Sample:** 7723278-1-BKS **Batch #:** 1 **Matrix:** Water

Units: mg/L

BLANK /BLANK SPIKE / BLANK SPIKE DUPLICATE RECOVERY STUDY

(N) Dissolved Metals by SW6020A Analytes	Blank Sample Result [A]	Spike Added [B]	Blank Spike Result [C]	Blank Spike %R [D]	Spike Added [E]	Blank Spike Duplicate Result [F]	Blk. Spk Dup. %R [G]	RPD %	Control Limits %R	Control Limits %RPD	Flag
Arsenic	<0.000246	0.100	0.101	101	0.100	0.0999	100	1	80-120	20	
Chromium	<0.000525	0.100	0.0977	98	0.100	0.0983	98	1	80-120	20	
Iron	<0.0227	0.500	0.484	97	0.500	0.489	98	1	80-120	20	
Manganese	<0.000199	0.100	0.0990	99	0.100	0.0995	100	1	80-120	20	

Analyst: DEP **Date Prepared:** 03.16.2021 **Date Analyzed:** 03.16.2021

Lab Batch ID: 3153894 **Sample:** 7723430-1-BKS **Batch #:** 1 **Matrix:** Water

Units: mg/L

BLANK /BLANK SPIKE / BLANK SPIKE DUPLICATE RECOVERY STUDY

(N) Dissolved Metals by SW6020A Analytes	Blank Sample Result [A]	Spike Added [B]	Blank Spike Result [C]	Blank Spike %R [D]	Spike Added [E]	Blank Spike Duplicate Result [F]	Blk. Spk Dup. %R [G]	RPD %	Control Limits %R	Control Limits %RPD	Flag
Arsenic	<0.000246	0.100	0.101	101	0.100	0.0999	100	1	80-120	20	
Chromium	<0.000525	0.100	0.0992	99	0.100	0.100	100	1	80-120	20	
Iron	<0.0227	0.500	0.496	99	0.500	0.502	100	1	80-120	20	
Manganese	<0.000199	0.100	0.0979	98	0.100	0.0988	99	1	80-120	20	

Relative Percent Difference RPD = 200*|(C-F)/(C+F)|
Blank Spike Recovery [D] = 100*(C)/[B]
Blank Spike Duplicate Recovery [G] = 100*(F)/[E]
All results are based on MDL and Validated for QC Purposes

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BS / BSD Recoveries

Project Name: Eunice Project - N Eunice

Work Order #: 691328 **Project ID:**

Analyst: DTH **Date Prepared:** 03.16.2021 **Date Analyzed:** 03.16.2021

Lab Batch ID: 3153922 **Sample:** 3153922-1-BKS **Batch #:** 1 **Matrix:** Water

Units: mg/L

BLANK /BLANK SPIKE / BLANK SPIKE DUPLICATE RECOVERY STUDY

TDS by SM2540C Analytes	Blank Sample Result [A]	Spike Added [B]	Blank Spike Result [C]	Blank Spike %R [D]	Spike Added [E]	Blank Spike Duplicate Result [F]	Blk. Spk Dup. %R [G]	RPD %	Control Limits %R	Control Limits %RPD	Flag
Total Dissolved Solids	<25.0	1000	973	97	1000	952	95	2	90-110	10	

Analyst: DTH **Date Prepared:** 03.16.2021 **Date Analyzed:** 03.16.2021

Lab Batch ID: 3153992 **Sample:** 3153992-1-BKS **Batch #:** 1 **Matrix:** Water

Units: mg/L

BLANK /BLANK SPIKE / BLANK SPIKE DUPLICATE RECOVERY STUDY

TDS by SM2540C Analytes	Blank Sample Result [A]	Spike Added [B]	Blank Spike Result [C]	Blank Spike %R [D]	Spike Added [E]	Blank Spike Duplicate Result [F]	Blk. Spk Dup. %R [G]	RPD %	Control Limits %R	Control Limits %RPD	Flag
Total Dissolved Solids	<25.0	1000	959	96	1000	936	94	2	90-110	10	

Relative Percent Difference RPD = 200*|(C-F)/(C+F)|
Blank Spike Recovery [D] = 100*(C)/[B]
Blank Spike Duplicate Recovery [G] = 100*(F)/[E]
All results are based on MDL and Validated for QC Purposes

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Form 3 - MS / MSD Recoveries

Project Name: Eunice Project - N Eunice

Report Date: 03192021
Project ID:

Work Order # : 691328

Lab Batch ID: 3153620 **QC- Sample ID:** 691328-005 S **Batch #:** 1 **Matrix:** Water
Date Analyzed: 03.12.2021 **Date Prepared:** 03.12.2021 **Analyst:** CHE
Reporting Units: mg/L

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY STUDY

Chloride by EPA 300 Analytes	Parent Sample Result [A]	Spike Added [B]	Spiked Sample Result [C]	Spiked Sample %R [D]	Spike Added [E]	Duplicate Spiked Sample Result [F]	Spiked Dup. %R [G]	RPD %	Control Limits %R	Control Limits %RPD	Flag
Chloride	193	250	486	117	250	481	115	1	90-110	20	X

Lab Batch ID: 3153620 **QC- Sample ID:** 691328-011 S **Batch #:** 1 **Matrix:** Water
Date Analyzed: 03.12.2021 **Date Prepared:** 03.12.2021 **Analyst:** CHE
Reporting Units: mg/L

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY STUDY

Chloride by EPA 300 Analytes	Parent Sample Result [A]	Spike Added [B]	Spiked Sample Result [C]	Spiked Sample %R [D]	Spike Added [E]	Duplicate Spiked Sample Result [F]	Spiked Dup. %R [G]	RPD %	Control Limits %R	Control Limits %RPD	Flag
Chloride	160	125	304	115	125	302	114	1	90-110	20	X

Lab Batch ID: 3153844 **QC- Sample ID:** 691329-011 S **Batch #:** 1 **Matrix:** Water
Date Analyzed: 03.10.2021 **Date Prepared:** 03.10.2021 **Analyst:** SPC
Reporting Units: mg/L

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY STUDY

Chromium, Hexavalent by SW 7196A Analytes	Parent Sample Result [A]	Spike Added [B]	Spiked Sample Result [C]	Spiked Sample %R [D]	Spike Added [E]	Duplicate Spiked Sample Result [F]	Spiked Dup. %R [G]	RPD %	Control Limits %R	Control Limits %RPD	Flag
Chromium, Hexavalent	<0.00273	0.200	0.196	98	0.200	0.196	98	0	75-125	20	

Matrix Spike Percent Recovery [D] = 100*(C-A) / B
Relative Percent Difference RPD = 200*|(C-F) / (C+F)|
Matrix Spike Duplicate Percent Recovery [G] = 100*(F-A) / E

ND = Not Detected, J = Present Below Reporting Limit, B = Present in Blank, NR = Not Requested, I = Interference, NA = Not Applicable
N = See Narrative, EQL = Estimated Quantitation Limit, NC = Non Calculable - Sample amount is > 4 times the amount spiked.

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Form 3 - MS / MSD Recoveries

Project Name: Eunice Project - N Eunice

Report Date: 03192021
Project ID:

Work Order # : 691328

Lab Batch ID: 3153846 **QC- Sample ID:** 691328-010 S **Batch #:** 1 **Matrix:** Water

Date Analyzed: 03.10.2021 **Date Prepared:** 03.10.2021 **Analyst:** SPC

Reporting Units: mg/L

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY STUDY

Chromium, Hexavalent by SW 7196A Analytes	Parent Sample Result [A]	Spike Added [B]	Spiked Sample Result [C]	Spiked Sample %R [D]	Spike Added [E]	Duplicate Spiked Sample Result [F]	Spiked Dup. %R [G]	RPD %	Control Limits %R	Control Limits %RPD	Flag
Chromium, Hexavalent	<0.00273	0.200	0.194	97	0.200	0.194	97	0	75-125	20	

Lab Batch ID: 3153749 **QC- Sample ID:** 691108-001 S **Batch #:** 1 **Matrix:** Water

Date Analyzed: 03.15.2021 **Date Prepared:** 03.14.2021 **Analyst:** DEP

Reporting Units: mg/L

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY STUDY

(N) Dissolved Metals by SW6020A Analytes	Parent Sample Result [A]	Spike Added [B]	Spiked Sample Result [C]	Spiked Sample %R [D]	Spike Added [E]	Duplicate Spiked Sample Result [F]	Spiked Dup. %R [G]	RPD %	Control Limits %R	Control Limits %RPD	Flag
Arsenic	0.0111	0.100	0.111	100	0.100	0.112	101	1	75-125	20	
Chromium	0.0556	0.100	0.156	100	0.100	0.162	106	4	75-125	20	
Iron	0.0926	0.500	0.577	97	0.500	0.605	102	5	75-125	20	
Manganese	0.00294	0.100	0.0999	97	0.100	0.102	99	2	75-125	20	

Matrix Spike Percent Recovery [D] = 100*(C-A) / B
Relative Percent Difference RPD = 200*|(C-F) / (C+F)|

Matrix Spike Duplicate Percent Recovery [G] = 100*(F-A) / E

ND = Not Detected, J = Present Below Reporting Limit, B = Present in Blank, NR = Not Requested, I = Interference, NA = Not Applicable
N = See Narrative, EQL = Estimated Quantitation Limit, NC = Non Calculable - Sample amount is > 4 times the amount spiked.

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Form 3 - MS / MSD Recoveries

Project Name: Eunice Project - N Eunice

Work Order # : 691328 **Report Date:** 03192021

Lab Batch ID: 3153894 **QC- Sample ID:** 691502-002 S **Batch #:** 1 **Matrix:** Water **Project ID:**

Date Analyzed: 03.16.2021 **Date Prepared:** 03.16.2021 **Analyst:** DEP

Reporting Units: mg/L

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY STUDY

(N) Dissolved Metals by SW6020A Analytes	Parent Sample Result [A]	Spike Added [B]	Spiked Sample Result [C]	Spiked Sample %R [D]	Spike Added [E]	Duplicate Spiked Sample Result [F]	Spiked Dup. %R [G]	RPD %	Control Limits %R	Control Limits %RPD	Flag
Arsenic	0.00563	0.100	0.102	96	0.100	0.102	96	0	75-125	20	
Chromium	0.00238	0.100	0.101	99	0.100	0.102	100	1	75-125	20	
Iron	<0.0227	0.500	0.488	98	0.500	0.489	98	0	75-125	20	
Manganese	0.00283	0.100	0.0968	94	0.100	0.0969	94	0	75-125	20	

Matrix Spike Percent Recovery [D] = 100*(C-A) / B
Relative Percent Difference RPD = 200*|(C-F) / (C+F)|

Matrix Spike Duplicate Percent Recovery [G] = 100*(F-A) / E

ND = Not Detected, J = Present Below Reporting Limit, B = Present in Blank, NR = Not Requested, I = Interference, NA = Not Applicable
N = See Narrative, EQL = Estimated Quantitation Limit, NC = Non Calculable - Sample amount is > 4 times the amount spiked.

Method Duplicate

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Project Name: Eunice Project - N Eunice

Work Order #: 691328 **Report Date:** 03192021

Lab Batch #: 3153922 **Project ID:**

Date Analyzed: 03.16.2021 17:00 **Date Prepared:** 03.16.2021 **Analyst:** DTH

QC- Sample ID: 691329-001 D **Batch #:** 1 **Matrix:** Water

Reporting Units: mg/L

SAMPLE / SAMPLE DUPLICATE RECOVERY

TDS by SM2540C Analyte	Parent Sample Result [A]	Sample Duplicate Result [B]	RPD	Control Limits %RPD	Flag
Total Dissolved Solids	3170	3420	8	10	

Lab Batch #: 3153992

Date Analyzed: 03.16.2021 17:00 **Date Prepared:** 03.16.2021 **Analyst:** DTH

QC- Sample ID: 691328-011 D **Batch #:** 1 **Matrix:** Water

Reporting Units: mg/L

SAMPLE / SAMPLE DUPLICATE RECOVERY

TDS by SM2540C Analyte	Parent Sample Result [A]	Sample Duplicate Result [B]	RPD	Control Limits %RPD	Flag
Total Dissolved Solids	863	812	6	10	

Spike Relative Difference RPD 200 * | (B-A)/(B+A) |
All Results are based on MDL and validated for QC purposes.

BRL - Below Reporting Limit

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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) www.xenco.com

Work Order No: 691328

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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:	303-471-2477	Email:	madisyn.frandsen@arcadis.com

Work Order Comments

Program: UST/PST ☐ PRP ☐ Brownfields ☐ RRC ☐ Superfund ☐
State of Project:
Reporting:Level II ☐ Level III ☐ PST/UST ☐ TRRP ☐ Level IV ☐
Deliverables: EDD ☐ ADaPT ☐ Other:

Project Name:	Eunice Project-N. Eunice	Turn Around	
Project Number:	30049577	Routine	✓
P.O. Number:		Rush:	
Sampler's Name:		Due Date:	

SAMPLE RECEIPT			
Temperature (°C):	2.0/2.5	Temp Blank: Yes (No)	Wet Ice: (Yes) No
Received Intact:	(Yes) No	Thermometer ID	R8
Cooler Custody Seals:	Yes No (N/A)	Correction Factor:	0.5
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): Aresenic, Maganese, Iron & Chromium	TDS (SM2540C)	Chlorides (EPA 300.0)
MW021A	W	3-10-21	747		3			X	X	X	X
MW050SA	W	3-10-21	833		3			X	X	X	X
MW051SA	W	3-10-21	905		3			X	X	X	X
MW054.5A	W	3-10-21	944		3			X	X	X	X
MW067SA	W	3-10-21	1008		3			X	X	X	X
MW079SA	W	3-10-21	1035		3			X	X	X	X
1W003	W	3-10-21	1054		3			X	X	X	X
MW095	W	3-10-21	1136		3			X	X	X	X
MW060	W	3-10-21	1232		3			X	X	X	X
MW069	W	3-10-21	1311		3			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
		3-10-21 1730	2		
			4		
			6		

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Chain of Custody

Work Order No: 691328

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Midland,TX (432-704-5440) EL Paso,TX (915)585-3443 Lubbock,TX (806)794-1296
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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:	303-471-2477	Email:	madisyn.frandsen@arcadis.com

Work Order Comments

Program: UST/PST ☐ PRP ☐ Brownfields ☐ RRC ☐ Superfund ☐
State of Project:
Reporting:Level II ☐ Level III ☐ PST/UST ☐ TRRP ☐ Level IV ☐
Deliverables: EDD ☐ ADaPT ☐ Other:

Project Name:	Eunice Project-N. Eunice	Turn Around	
Project Number:	30049577	Routine	✓
P.O. Number:		Rush:	
Sampler's Name:		Due Date:	

SAMPLE RECEIPT			
Temp Blank:	Yes (No)	Wet Ice:	(Yes) No
Temperature (°C):	2.0/2.5	Thermometer ID	
Received Intact:	(Yes) No	R8	
Cooler Custody Seals:	Yes No (N/A)	Correction Factor:	0.5
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): Aresenic, Maganese, Iron & Chromium	TDS (SM2540C)	Chlorides (EPA 300.0)
MW031	W	3-10-21	1339		3			X	X	X	X
MW059	W	3-10-21	1403		3			X	X	X	X
Dup3	W	3-10-21	—		3			X	X	X	X
Dup4	W	3-10-21	—		3			X	X	X	X
Dup5	W	3-10-21	—		3			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.

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		3-10-21 1730	2		
			4		
			6		

Revised Date 051418 Rev. 2018.1

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Released to Imaging: 12/12/2022 10:42:57 AM
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Inter-Office Shipment

IOS Number : 79331

Date/Time: 03.11.2021
Lab# From: **Midland**
Lab# To: **El Paso**

Created by: Brianna Teel
Delivery Priority:
Air Bill No.:

Please send report to: John Builes
Address: 1211 W. Florida Ave
E-Mail: john.builes@eurofinset.com

Sample Id	Matrix	Client Sample Id	Sample Collection	Method	Method Name	Lab Due	HT Due	PM	Analytes	Sign
691328-001	W	MW0 21a	03.10.2021 07:47	SM2540C	TDS by SM2540C	03.17.2021	03.17.2021	JHB	TDS	
691328-002	W	MW050SA	03.10.2021 08:33	SM2540C	TDS by SM2540C	03.17.2021	03.17.2021	JHB	TDS	
691328-003	W	MW051SA	03.10.2021 09:05	SM2540C	TDS by SM2540C	03.17.2021	03.17.2021	JHB	TDS	
691328-004	W	MW054SA	03.10.2021 09:44	SM2540C	TDS by SM2540C	03.17.2021	03.17.2021	JHB	TDS	
691328-005	W	MW067SA	03.10.2021 10:08	SM2540C	TDS by SM2540C	03.17.2021	03.17.2021	JHB	TDS	
691328-006	W	MW079SA	03.10.2021 10:35	SM2540C	TDS by SM2540C	03.17.2021	03.17.2021	JHB	TDS	
691328-007	W	IW003	03.10.2021 10:54	SM2540C	TDS by SM2540C	03.17.2021	03.17.2021	JHB	TDS	
691328-008	W	MW095	03.10.2021 11:36	SM2540C	TDS by SM2540C	03.17.2021	03.17.2021	JHB	TDS	
691328-009	W	MW060	03.10.2021 12:32	SM2540C	TDS by SM2540C	03.17.2021	03.17.2021	JHB	TDS	
691328-010	W	MW069	03.10.2021 13:11	SM2540C	TDS by SM2540C	03.17.2021	03.17.2021	JHB	TDS	
691328-011	W	MW031	03.10.2021 13:39	SM2540C	TDS by SM2540C	03.17.2021	03.17.2021	JHB	TDS	
691328-012	W	MW059	03.10.2021 14:03	SM2540C	TDS by SM2540C	03.17.2021	03.17.2021	JHB	TDS	
691328-013	W	DUP3	03.10.2021 00:00	SM2540C	TDS by SM2540C	03.17.2021	03.17.2021	JHB	TDS	
691328-014	W	DUP4	03.10.2021 00:00	SM2540C	TDS by SM2540C	03.17.2021	03.17.2021	JHB	TDS	
691328-015	W	DUP5	03.10.2021 00:00	SM2540C	TDS by SM2540C	03.17.2021	03.17.2021	JHB	TDS	

Inter Office Shipment or Sample Comments:

Relinquished By: Brianna Teel
Brianna Teel

Date Relinquished: 03.11.2021

Received By: _____

Date Received: _____

Cooler Temperature: _____

Released to Imaging: 12/12/2022 10:42:57 AM
Received by OCD: 3/21/2022 2:39:57 PM

Inter-Office Shipment

IOS Number : 79332

Date/Time: 03.11.2021
Lab# From: **Midland**
Lab# To: **Houston**
Created by: Brianna Teel
Delivery Priority:
Air Bill No.: Fedex

Please send report to: John Builes
Address: 1211 W. Florida Ave
E-Mail: john.builes@eurofinset.com

Sample Id	Matrix	Client Sample Id	Sample Collection	Method	Method Name	Lab Due	HT Due	PM	Analytes	Sign
691328-001	W	MW021A	03.10.2021 07:47	SW6020_DIS	(N) Dissolved Metals by SW6020A	03.17.2021	09.06.2021	JHB	AS CR FE MN	
691328-002	W	MW050SA	03.10.2021 08:33	SW6020_DIS	(N) Dissolved Metals by SW6020A	03.17.2021	09.06.2021	JHB	AS CR FE MN	
691328-003	W	MW051SA	03.10.2021 09:05	SW6020_DIS	(N) Dissolved Metals by SW6020A	03.17.2021	09.06.2021	JHB	AS CR FE MN	
691328-004	W	MW054SA	03.10.2021 09:44	SW6020_DIS	(N) Dissolved Metals by SW6020A	03.17.2021	09.06.2021	JHB	AS CR FE MN	
691328-005	W	MW067SA	03.10.2021 10:08	SW6020_DIS	(N) Dissolved Metals by SW6020A	03.17.2021	09.06.2021	JHB	AS CR FE MN	
691328-006	W	MW079SA	03.10.2021 10:35	SW6020_DIS	(N) Dissolved Metals by SW6020A	03.17.2021	09.06.2021	JHB	AS CR FE MN	
691328-007	W	IW003	03.10.2021 10:54	SW6020_DIS	(N) Dissolved Metals by SW6020A	03.17.2021	09.06.2021	JHB	AS CR FE MN	
691328-008	W	MW095	03.10.2021 11:36	SW6020_DIS	(N) Dissolved Metals by SW6020A	03.17.2021	09.06.2021	JHB	AS CR FE MN	
691328-009	W	MW060	03.10.2021 12:32	SW6020_DIS	(N) Dissolved Metals by SW6020A	03.17.2021	09.06.2021	JHB	AS CR FE MN	
691328-010	W	MW069	03.10.2021 13:11	SW6020_DIS	(N) Dissolved Metals by SW6020A	03.17.2021	09.06.2021	JHB	AS CR FE MN	
691328-011	W	MW031	03.10.2021 13:39	SW6020_DIS	(N) Dissolved Metals by SW6020A	03.17.2021	09.06.2021	JHB	AS CR FE MN	
691328-012	W	MW059	03.10.2021 14:03	SW6020_DIS	(N) Dissolved Metals by SW6020A	03.17.2021	09.06.2021	JHB	AS CR FE MN	
691328-013	W	DUP3	03.10.2021 00:00	SW6020_DIS	(N) Dissolved Metals by SW6020A	03.17.2021	09.06.2021	JHB	AS CR FE MN	
691328-014	W	DUP4	03.10.2021 00:00	SW6020_DIS	(N) Dissolved Metals by SW6020A	03.17.2021	09.06.2021	JHB	AS CR FE MN	
691328-015	W	DUP5	03.10.2021 00:00	SW6020_DIS	(N) Dissolved Metals by SW6020A	03.17.2021	09.06.2021	JHB	AS CR FE MN	

Inter Office Shipment or Sample Comments:

Relinquished By: Brianna Teel
Brianna Teel

Date Relinquished: 03.11.2021

Received By: Jose F. Londono
Jose Londono

Date Received: 03.12.2021

Cooler Temperature: 4.1

Eurofins Xenco, LLC

Environment Testing Xenco

Inter Office Report- Sample Receipt Checklist

Sent To: Houston

IOS #: 79332

Acceptable Temperature Range: 0 - 6 degC
Air and Metal samples Acceptable Range: Ambient
Temperature Measuring device used : HOU-272

Sent By: Brianna Teel **Date Sent:** 03.11.2021 08.17 AM

Received By: Jose Londono **Date Received:** 03.12.2021 10.39 AM

Sample Receipt Checklist		Comments
#1 *Temperature of cooler(s)?	4.1	
#2 *Shipping container in good condition?	**Yes**	
#3 *Samples received with appropriate temperature?	**Yes**	
#4 *Custody Seals intact on shipping container/ cooler?	**Yes**	
#5 *Custody Seals Signed and dated for Containers/coolers	**Yes**	
#6 *IOS present?	**Yes**	
#7 Any missing/extra samples?	**No**	
#8 IOS agrees with sample label(s)/matrix?	**Yes**	
#9 Sample matrix/ properties agree with IOS?	**Yes**	
#10 Samples in proper container/ bottle?	**Yes**	
#11 Samples properly preserved?	**Yes**	
#12 Sample container(s) intact?	**Yes**	
#13 Sufficient sample amount for indicated test(s)?	**Yes**	
#14 All samples received within hold time?	**Yes**	

*** Must be completed for after-hours delivery of samples prior to placing in the refrigerator**

NonConformance:

Corrective Action Taken:

Nonconformance Documentation

Contact: _____ **Contacted by :** _____ **Date:** _____

Checklist reviewed by: Jose Londono Date: 03.12.2021

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Analytical Report 691110

for

ARCADIS

Project Manager: Sonja Zabienski

Eunice Project - N Eunice

03.17.2021

Collected By: Client

1211 W. Florida Ave
Midland TX 79701

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

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

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

Released to Imaging: 12/12/2022 10:42:57 AM

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03.17.2021

Project Manager: **Sonja Zabienski**
ARCADIS
1004 N. Big Spring St.
Midland, TX 79701

Reference: Eurofins Xenco, LLC Report No(s): **691110**
Eunice Project - N Eunice
Project Address:

Sonja Zabienski:

We are reporting to you the results of the analyses performed on the samples received under the project name referenced above and identified with the Eurofins Xenco, LLC Report Number(s) 691110. All results being reported under this Report Number apply to the samples analyzed and properly identified with a Laboratory ID number. Subcontracted analyses are identified in this report with either the NELAC certification number of the subcontract lab in the analyst ID field, or the complete subcontracted report attached to this report.

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

The validity and integrity of this report will remain intact as long as it is accompanied by this letter and reproduced in full, unless written approval is granted by Eurofins Xenco, LLC. This report will be filed for at least 5 years in our archives after which time it will be destroyed without further notice, unless otherwise arranged with you. The samples received, and described as recorded in Report No. 691110 will be filed for 45 days, and after that time they will be properly disposed without further notice, unless otherwise arranged with you. We reserve the right to return to you any unused samples, extracts or solutions related to them if we consider so necessary (e.g., samples identified as hazardous waste, sample sizes exceeding analytical standard practices, controlled substances under regulated protocols, etc).

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

Respectfully,

John Builes
Project Manager

A Small Business and Minority Company

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

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Sample Cross Reference 691110

ARCADIS, Midland, TX

Eunice Project - N Eunice

Sample Id	Matrix	Date Collected	Sample Depth	Lab Sample Id
MW100	W	03.09.2021 08:24		691110-001
MW076 SA	W	03.09.2021 09:21		691110-002
MW075 SA	W	03.09.2021 10:16		691110-003
MW084 SA	W	03.09.2021 10:43		691110-004
MW085 SA	W	03.09.2021 11:37		691110-005
MW055 SA	W	03.09.2021 12:58		691110-006
MW056 SA	W	03.09.2021 13:28		691110-007
MW074 SA	W	03.09.2021 13:54		691110-008
MW057 SA	W	03.09.2021 14:26		691110-009

CASE NARRATIVE

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Client Name: ARCADIS

Project Name: Eunice Project - N Eunice

Project ID:
Work Order Number(s): *691110*

Report Date: *03.17.2021*
Date Received: *03.09.2021*

This laboratory is NELAC accredited under the Texas Laboratory Accreditation Program for all the methods, analytes, and matrices reported in this data package except as noted. The data have been reviewed and are technically compliant with the requirements of the methods used, except where noted by the laboratory.

Sample receipt non conformances and comments:

Sample receipt non conformances and comments per sample:

None

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Certificate of Analytical Results
691110
ARCADIS, Midland, TX
Eunice Project - N Eunice

Sample Id: **MW100** Matrix: Water Sample Depth:

Lab Sample Id: 691110-001 Date Collected: 03.09.2021 08:24 Date Received: 03.09.2021 17:58

Analytical Method: Chloride by EPA 300 Prep Method: E300P

Analyst: CHE % Moist:

Seq Number: 3153273 Date Prep: 03.10.2021 16:30 Tech: CHE

Prep seq: 7723018

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Chloride	16887-00-6	**981**	10.0	0.421	mg/L	03.10.2021 23:12		20

Analytical Method: TDS by SM2540C Prep Method:

Analyst: DTH % Moist:

Seq Number: 3153734 Date Prep: Tech: DTH

Subcontractor: SUB: T104704221-20-18 Prep seq:

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Total Dissolved Solids	1642222	**2630**	100	100	mg/L	03.12.2021 12:41		1

Analytical Method: (N) Dissolved Metals by SW6020A Prep Method: 3010A

Analyst: DEP % Moist:

Seq Number: 3153592 Date Prep: 03.14.2021 12:00 Tech: DEP

Subcontractor: SUB: T104704215-20-39 Prep seq: 7723279

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Arsenic	7440-38-2	**0.00890**	0.00400	0.000246	mg/L	03.14.2021 23:44		1
Chromium	7440-47-3	**0.000681**	0.00400	0.000525	mg/L	03.14.2021 23:44	J	1
Iron	7439-89-6	**0.0766**	0.100	0.0227	mg/L	03.14.2021 23:44	J	1
Manganese	7439-96-5	**0.497**	0.00200	0.000199	mg/L	03.14.2021 23:44		1

Analytical Method: Chromium, Hexavalent by SW 7196A Prep Method:

Analyst: CHE % Moist:

Seq Number: 3153132 Date Prep: Tech: CHE

Prep seq:

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Chromium, Hexavalent	18540-29-9	<0.00273	0.0100	0.00273	mg/L	03.10.2021 08:05	U	1

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Certificate of Analytical Results
691110
ARCADIS, Midland, TX
Eunice Project - N Eunice

Sample Id: **MW076 SA** Matrix: Water Sample Depth:

Lab Sample Id: 691110-002 Date Collected: 03.09.2021 09:21 Date Received: 03.09.2021 17:58

Analytical Method: Chloride by EPA 300 Prep Method: E300P

Analyst: CHE % Moist:

Seq Number: 3153273 Date Prep: 03.10.2021 16:30 Tech: CHE

Prep seq: 7723018

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Chloride	16887-00-6	**536**	5.00	0.210	mg/L	03.10.2021 23:18		10

Analytical Method: TDS by SM2540C Prep Method:

Analyst: DTH % Moist:

Seq Number: 3153734 Date Prep: Tech: DTH

Subcontractor: SUB: T104704221-20-18 Prep seq:

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Total Dissolved Solids	1642222	**2130**	50.0	50.0	mg/L	03.12.2021 12:41		1

Analytical Method: (N) Dissolved Metals by SW6020A Prep Method: 3010A

Analyst: DEP % Moist:

Seq Number: 3153592 Date Prep: 03.14.2021 12:00 Tech: DEP

Subcontractor: SUB: T104704215-20-39 Prep seq: 7723279

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Arsenic	7440-38-2	**0.0125**	0.00400	0.000246	mg/L	03.15.2021 00:05		1
Chromium	7440-47-3	**0.00864**	0.00400	0.000525	mg/L	03.15.2021 00:05		1
Iron	7439-89-6	<0.0227	0.100	0.0227	mg/L	03.15.2021 00:05	U	1
Manganese	7439-96-5	**0.000229**	0.00200	0.000199	mg/L	03.15.2021 00:05	J	1

Analytical Method: Chromium, Hexavalent by SW 7196A Prep Method:

Analyst: CHE % Moist:

Seq Number: 3153132 Date Prep: Tech: CHE

Prep seq:

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Chromium, Hexavalent	18540-29-9	**0.00360**	0.0100	0.00273	mg/L	03.10.2021 08:05	J	1

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Certificate of Analytical Results
691110
ARCADIS, Midland, TX
Eunice Project - N Eunice

Sample Id: **MW075 SA** Matrix: Water Sample Depth:

Lab Sample Id: 691110-003 Date Collected: 03.09.2021 10:16 Date Received: 03.09.2021 17:58

Analytical Method: Chloride by EPA 300 Prep Method: E300P

Analyst: CHE % Moist:

Seq Number: 3153273 Date Prep: 03.10.2021 16:30 Tech: CHE

Prep seq: 7723018

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Chloride	16887-00-6	**489**	10.0	0.421	mg/L	03.10.2021 23:23		20

Analytical Method: TDS by SM2540C Prep Method:

Analyst: DTH % Moist:

Seq Number: 3153734 Date Prep: Tech: DTH

Subcontractor: SUB: T104704221-20-18 Prep seq:

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Total Dissolved Solids	1642222	**2020**	50.0	50.0	mg/L	03.12.2021 12:41		1

Analytical Method: (N) Dissolved Metals by SW6020A Prep Method: 3010A

Analyst: DEP % Moist:

Seq Number: 3153592 Date Prep: 03.14.2021 12:00 Tech: DEP

Subcontractor: SUB: T104704215-20-39 Prep seq: 7723279

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Arsenic	7440-38-2	**0.0131**	0.00400	0.000246	mg/L	03.15.2021 00:07		1
Chromium	7440-47-3	**0.0110**	0.00400	0.000525	mg/L	03.15.2021 00:07		1
Iron	7439-89-6	**0.0722**	0.100	0.0227	mg/L	03.15.2021 00:07	J	1
Manganese	7439-96-5	**0.00249**	0.00200	0.000199	mg/L	03.15.2021 00:07		1

Analytical Method: Chromium, Hexavalent by SW 7196A Prep Method:

Analyst: CHE % Moist:

Seq Number: 3153132 Date Prep: Tech: CHE

Prep seq:

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Chromium, Hexavalent	18540-29-9	**0.00540**	0.0100	0.00273	mg/L	03.10.2021 08:05	J	1

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Certificate of Analytical Results
691110
ARCADIS, Midland, TX
Eunice Project - N Eunice

Sample Id: **MW084 SA** Matrix: Water Sample Depth:

Lab Sample Id: 691110-004 Date Collected: 03.09.2021 10:43 Date Received: 03.09.2021 17:58

Analytical Method: Chloride by EPA 300 Prep Method: E300P

Analyst: CHE % Moist:

Seq Number: 3153273 Date Prep: 03.10.2021 16:30 Tech: CHE

Prep seq: 7723018

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Chloride	16887-00-6	**1020**	10.0	0.421	mg/L	03.10.2021 23:29		20

Analytical Method: TDS by SM2540C Prep Method:

Analyst: DTH % Moist:

Seq Number: 3153734 Date Prep: Tech: DTH

Subcontractor: SUB: T104704221-20-18 Prep seq:

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Total Dissolved Solids	1642222	**3130**	100	100	mg/L	03.12.2021 12:41		1

Analytical Method: (N) Dissolved Metals by SW6020A Prep Method: 3010A

Analyst: DEP % Moist:

Seq Number: 3153592 Date Prep: 03.14.2021 12:00 Tech: DEP

Subcontractor: SUB: T104704215-20-39 Prep seq: 7723279

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Arsenic	7440-38-2	**0.0103**	0.00400	0.000246	mg/L	03.15.2021 00:10		1
Chromium	7440-47-3	**0.0239**	0.00400	0.000525	mg/L	03.15.2021 00:10		1
Iron	7439-89-6	**0.165**	0.100	0.0227	mg/L	03.15.2021 00:10		1
Manganese	7439-96-5	**0.00465**	0.00200	0.000199	mg/L	03.15.2021 00:10		1

Analytical Method: Chromium, Hexavalent by SW 7196A Prep Method:

Analyst: CHE % Moist:

Seq Number: 3153132 Date Prep: Tech: CHE

Prep seq:

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Chromium, Hexavalent	18540-29-9	**0.0199**	0.0100	0.00273	mg/L	03.10.2021 08:05		1

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Certificate of Analytical Results
691110
ARCADIS, Midland, TX
Eunice Project - N Eunice

Sample Id: **MW085 SA** Matrix: Water Sample Depth:

Lab Sample Id: 691110-005 Date Collected: 03.09.2021 11:37 Date Received: 03.09.2021 17:58

Analytical Method: Chloride by EPA 300 Prep Method: E300P

Analyst: CHE % Moist:

Seq Number: 3153274 Date Prep: 03.10.2021 17:00 Tech: CHE

Prep seq: 7723019

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Chloride	16887-00-6	**1070**	25.0	1.05	mg/L	03.10.2021 17:36		50

Analytical Method: TDS by SM2540C Prep Method:

Analyst: DTH % Moist:

Seq Number: 3153734 Date Prep: Tech: DTH

Subcontractor: SUB: T104704221-20-18 Prep seq:

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Total Dissolved Solids	1642222	**4220**	100	100	mg/L	03.12.2021 12:41		1

Analytical Method: (N) Dissolved Metals by SW6020A Prep Method: 3010A

Analyst: DEP % Moist:

Seq Number: 3153592 Date Prep: 03.14.2021 12:00 Tech: DEP

Subcontractor: SUB: T104704215-20-39 Prep seq: 7723279

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Arsenic	7440-38-2	**0.0119**	0.00400	0.000246	mg/L	03.15.2021 00:13		1
Chromium	7440-47-3	**0.0609**	0.00400	0.000525	mg/L	03.15.2021 00:13		1
Iron	7439-89-6	**0.268**	0.100	0.0227	mg/L	03.15.2021 00:13		1
Manganese	7439-96-5	**0.0854**	0.00200	0.000199	mg/L	03.15.2021 00:13		1

Analytical Method: Chromium, Hexavalent by SW 7196A Prep Method:

Analyst: SPC % Moist:

Seq Number: 3153133 Date Prep: Tech: SPC

Prep seq:

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Chromium, Hexavalent	18540-29-9	<0.00273	0.0100	0.00273	mg/L	03.10.2021 11:06	U	1

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Certificate of Analytical Results
691110
ARCADIS, Midland, TX
Eunice Project - N Eunice

Sample Id: **MW055 SA** Matrix: Water Sample Depth:

Lab Sample Id: 691110-006 Date Collected: 03.09.2021 12:58 Date Received: 03.09.2021 17:58

Analytical Method: Chloride by EPA 300 Prep Method: E300P

Analyst: CHE % Moist:

Seq Number: 3153274 Date Prep: 03.10.2021 17:00 Tech: CHE

Prep seq: 7723019

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Chloride	16887-00-6	**547**	10.0	0.421	mg/L	03.10.2021 17:41		20

Analytical Method: TDS by SM2540C Prep Method:

Analyst: DTH % Moist:

Seq Number: 3153734 Date Prep: Tech: DTH

Subcontractor: SUB: T104704221-20-18 Prep seq:

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Total Dissolved Solids	1642222	**1820**	50.0	50.0	mg/L	03.12.2021 12:41		1

Analytical Method: (N) Dissolved Metals by SW6020A Prep Method: 3010A

Analyst: DEP % Moist:

Seq Number: 3153592 Date Prep: 03.14.2021 12:00 Tech: DEP

Subcontractor: SUB: T104704215-20-39 Prep seq: 7723279

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Arsenic	7440-38-2	**0.00734**	0.00400	0.000246	mg/L	03.15.2021 00:16		1
Chromium	7440-47-3	**0.174**	0.00400	0.000525	mg/L	03.15.2021 00:16		1
Iron	7439-89-6	<0.0227	0.100	0.0227	mg/L	03.15.2021 00:16	U	1
Manganese	7439-96-5	**0.000707**	0.00200	0.000199	mg/L	03.15.2021 00:16	J	1

Analytical Method: Chromium, Hexavalent by SW 7196A Prep Method:

Analyst: SPC % Moist:

Seq Number: 3153133 Date Prep: Tech: SPC

Prep seq:

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Chromium, Hexavalent	18540-29-9	**0.167**	0.0100	0.00273	mg/L	03.10.2021 11:06		1

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Certificate of Analytical Results
691110
ARCADIS, Midland, TX
Eunice Project - N Eunice

Sample Id: **MW056 SA** Matrix: Water Sample Depth:

Lab Sample Id: 691110-007 Date Collected: 03.09.2021 13:28 Date Received: 03.09.2021 17:58

Analytical Method: Chloride by EPA 300 Prep Method: E300P

Analyst: CHE % Moist:

Seq Number: 3153274 Date Prep: 03.10.2021 17:00 Tech: CHE

Prep seq: 7723019

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Chloride	16887-00-6	**706**	25.0	1.05	mg/L	03.10.2021 17:46		50

Analytical Method: TDS by SM2540C Prep Method:

Analyst: DTH % Moist:

Seq Number: 3153734 Date Prep: Tech: DTH

Subcontractor: SUB: T104704221-20-18 Prep seq:

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Total Dissolved Solids	1642222	**3490**	100	100	mg/L	03.12.2021 12:41		1

Analytical Method: (N) Dissolved Metals by SW6020A Prep Method: 3010A

Analyst: DEP % Moist:

Seq Number: 3153592 Date Prep: 03.14.2021 12:00 Tech: DEP

Subcontractor: SUB: T104704215-20-39 Prep seq: 7723279

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Arsenic	7440-38-2	**0.0141**	0.00400	0.000246	mg/L	03.15.2021 00:19		1
Chromium	7440-47-3	**0.339**	0.00400	0.000525	mg/L	03.15.2021 00:19		1
Iron	7439-89-6	**0.0360**	0.100	0.0227	mg/L	03.15.2021 00:19	J	1
Manganese	7439-96-5	**0.000500**	0.00200	0.000199	mg/L	03.15.2021 00:19	J	1

Analytical Method: Chromium, Hexavalent by SW 7196A Prep Method:

Analyst: SPC % Moist:

Seq Number: 3153133 Date Prep: Tech: SPC

Prep seq:

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Chromium, Hexavalent	18540-29-9	**0.335**	0.0100	0.00273	mg/L	03.10.2021 11:06		1

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Certificate of Analytical Results
691110
ARCADIS, Midland, TX
Eunice Project - N Eunice

Sample Id: **MW074 SA** Matrix: Water Sample Depth:

Lab Sample Id: 691110-008 Date Collected: 03.09.2021 13:54 Date Received: 03.09.2021 17:58

Analytical Method: Chloride by EPA 300 Prep Method: E300P

Analyst: CHE % Moist:

Seq Number: 3153274 Date Prep: 03.10.2021 17:00 Tech: CHE

Prep seq: 7723019

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Chloride	16887-00-6	**491**	10.0	0.421	mg/L	03.10.2021 17:51		20

Analytical Method: TDS by SM2540C Prep Method:

Analyst: DTH % Moist:

Seq Number: 3153734 Date Prep: Tech: DTH

Subcontractor: SUB: T104704221-20-18 Prep seq:

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Total Dissolved Solids	1642222	**2160**	50.0	50.0	mg/L	03.12.2021 12:41		1

Analytical Method: (N) Dissolved Metals by SW6020A Prep Method: 3010A

Analyst: DEP % Moist:

Seq Number: 3153592 Date Prep: 03.14.2021 12:00 Tech: DEP

Subcontractor: SUB: T104704215-20-39 Prep seq: 7723279

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Arsenic	7440-38-2	**0.0137**	0.00400	0.000246	mg/L	03.15.2021 00:22		1
Chromium	7440-47-3	**0.00970**	0.00400	0.000525	mg/L	03.15.2021 00:22		1
Iron	7439-89-6	**0.225**	0.100	0.0227	mg/L	03.15.2021 00:22		1
Manganese	7439-96-5	**0.00354**	0.00200	0.000199	mg/L	03.15.2021 00:22		1

Analytical Method: Chromium, Hexavalent by SW 7196A Prep Method:

Analyst: SPC % Moist:

Seq Number: 3153133 Date Prep: Tech: SPC

Prep seq:

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Chromium, Hexavalent	18540-29-9	**0.00750**	0.0100	0.00273	mg/L	03.10.2021 11:06	J	1

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Certificate of Analytical Results

691110

ARCADIS, Midland, TX

Eunice Project - N Eunice

Sample Id: **MW057 SA** Matrix: Water Sample Depth:

Lab Sample Id: 691110-009 Date Collected: 03.09.2021 14:26 Date Received: 03.09.2021 17:58

Analytical Method: Chloride by EPA 300 Prep Method: E300P

Analyst: CHE % Moist:

Seq Number: 3153274 Date Prep: 03.10.2021 17:00 Tech: CHE

Prep seq: 7723019

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Chloride	16887-00-6	**233**	5.00	0.210	mg/L	03.10.2021 17:13		10

Analytical Method: TDS by SM2540C Prep Method:

Analyst: DTH % Moist:

Seq Number: 3153734 Date Prep: Tech: DTH

Subcontractor: SUB: T104704221-20-18 Prep seq:

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Total Dissolved Solids	1642222	**1450**	50.0	50.0	mg/L	03.12.2021 12:41		1

Analytical Method: (N) Dissolved Metals by SW6020A Prep Method: 3010A

Analyst: DEP % Moist:

Seq Number: 3153592 Date Prep: 03.14.2021 12:00 Tech: DEP

Subcontractor: SUB: T104704215-20-39 Prep seq: 7723279

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Arsenic	7440-38-2	**0.0127**	0.00400	0.000246	mg/L	03.15.2021 00:25		1
Chromium	7440-47-3	**0.0165**	0.00400	0.000525	mg/L	03.15.2021 00:25		1
Iron	7439-89-6	**0.0920**	0.100	0.0227	mg/L	03.15.2021 00:25	J	1
Manganese	7439-96-5	**0.00296**	0.00200	0.000199	mg/L	03.15.2021 00:25		1

Analytical Method: Chromium, Hexavalent by SW 7196A Prep Method:

Analyst: SPC % Moist:

Seq Number: 3153133 Date Prep: Tech: SPC

Prep seq:

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Chromium, Hexavalent	18540-29-9	**0.0188**	0.0100	0.00273	mg/L	03.10.2021 11:06		1

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Certificate of Analytical Results

691110

ARCADIS, Midland, TX

Eunice Project - N Eunice

Sample Id: **3153132-1-BLK** Matrix: Water Sample Depth:

Lab Sample Id: 3153132-1-BLK Date Collected: Date Received:

Analytical Method: Chromium, Hexavalent by SW 7196A Prep Method:

Analyst: CHE % Moist:

Seq Number: 3153132 Date Prep: Tech: CHE

Prep seq:

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Chromium, Hexavalent	18540-29-9	<0.00273	0.0100	0.00273	mg/L	03.10.2021 08:05	U	1

Sample Id: **3153133-1-BLK** Matrix: Water Sample Depth:

Lab Sample Id: 3153133-1-BLK Date Collected: Date Received:

Analytical Method: Chromium, Hexavalent by SW 7196A Prep Method:

Analyst: SPC % Moist:

Seq Number: 3153133 Date Prep: Tech: SPC

Prep seq:

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Chromium, Hexavalent	18540-29-9	<0.00273	0.0100	0.00273	mg/L	03.10.2021 11:06	U	1

Sample Id: **3153734-1-BLK** Matrix: Water Sample Depth:

Lab Sample Id: 3153734-1-BLK Date Collected: Date Received:

Analytical Method: TDS by SM2540C Prep Method:

Analyst: DTH % Moist:

Seq Number: 3153734 Date Prep: Tech: DTH

Subcontractor: SUB: T104704221-20-18 Prep seq:

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Total Dissolved Solids	1642222	<12.5	12.5	12.5	mg/L	03.12.2021 12:41	U	1

Sample Id: **7723018-1-BLK** Matrix: Water Sample Depth:

Lab Sample Id: 7723018-1-BLK Date Collected: Date Received:

Analytical Method: Chloride by EPA 300 Prep Method: E300P

Analyst: CHE % Moist:

Seq Number: 3153273 Date Prep: 03.10.2021 16:30 Tech: CHE

Prep seq: 7723018

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Chloride	16887-00-6	<0.0210	0.500	0.0210	mg/L	03.10.2021 20:35	U	1

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Certificate of Analytical Results
691110
ARCADIS, Midland, TX
Eunice Project - N Eunice

Sample Id: **7723019-1-BLK** Matrix: Water Sample Depth:

Lab Sample Id: 7723019-1-BLK Date Collected: Date Received:

Analytical Method: Chloride by EPA 300 Prep Method: E300P

Analyst: CHE % Moist:

Seq Number: 3153274 Date Prep: 03.10.2021 17:00 Tech: CHE

Prep seq: 7723019

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Chloride	16887-00-6	<0.0210	0.500	0.0210	mg/L	03.10.2021 16:58	U	1

Sample Id: **7723279-1-BLK** Matrix: Water Sample Depth:

Lab Sample Id: 7723279-1-BLK Date Collected: Date Received:

Analytical Method: (N) Dissolved Metals by SW6020A Prep Method: 3010A

Analyst: DEP % Moist:

Seq Number: 3153592 Date Prep: 03.14.2021 12:00 Tech: DEP

Subcontractor: SUB: T104704215-20-39 Prep seq: 7723279

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Arsenic	7440-38-2	<0.000246	0.00400	0.000246	mg/L	03.14.2021 23:35	U	1
Chromium	7440-47-3	<0.000525	0.00400	0.000525	mg/L	03.14.2021 23:35	U	1
Iron	7439-89-6	<0.0227	0.100	0.0227	mg/L	03.14.2021 23:35	U	1
Manganese	7439-96-5	<0.000199	0.00200	0.000199	mg/L	03.14.2021 23:35	U	1

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Flagging Criteria

X In our quality control review of the data a QC deficiency was observed and flagged as noted. MS/MSD recoveries were found to be outside of the laboratory control limits due to possible matrix /chemical interference, or a concentration of target analyte high enough to affect the recovery of the spike concentration. This condition could also affect the relative percent difference in the MS/MSD.

B A target analyte or common laboratory contaminant was identified in the method blank. Its presence indicates possible field or laboratory contamination.

D The sample(s) were diluted due to targets detected over the highest point of the calibration curve, or due to matrix interference. Dilution factors are included in the final results. The result is from a diluted sample.

E The data exceeds the upper calibration limit; therefore, the concentration is reported as estimated.

F RPD exceeded lab control limits.

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

U Analyte was not detected.

L The LCS data for this analytical batch was reported below the laboratory control limits for this analyte. The department supervisor and QA Director reviewed data. The samples were either reanalyzed or flagged as estimated concentrations.

H The LCS data for this analytical batch was reported above the laboratory control limits. Supporting QC Data were reviewed by the Department Supervisor and QA Director. Data were determined to be valid for reporting.

K Sample analyzed outside of recommended hold time.

JN A combination of the "N" and the "J" qualifier. The analysis indicates that the analyte is "tentatively identified" and the associated numerical value may not be consistent with the amount actually present in the environmental sample.

** Surrogate recovered outside laboratory control limit.

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

RL Reporting Limit

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

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

DL Method Detection Limit

NC Non-Calculable

SMP Client Sample **BLK** Method Blank

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

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

+ NELAC certification not offered for this compound.

* (Next to analyte name or method description) = Outside XENCO's scope of NELAC accreditation

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BS / BSD Recoveries

Project Name: Eunice Project - N Eunice

Work Order #: 691110 **Project ID:**

Analyst: CHE **Date Prepared:** 03.10.2021 **Date Analyzed:** 03.10.2021

Lab Batch ID: 3153273 **Sample:** 7723018-1-BKS **Batch #:** 1 **Matrix:** Water

Units: mg/L

BLANK /BLANK SPIKE / BLANK SPIKE DUPLICATE RECOVERY STUDY

Chloride by EPA 300 Analytes	Blank Sample Result [A]	Spike Added [B]	Blank Spike Result [C]	Blank Spike %R [D]	Spike Added [E]	Blank Spike Duplicate Result [F]	Blk. Spk Dup. %R [G]	RPD %	Control Limits %R	Control Limits %RPD	Flag
Chloride	<0.0210	25.0	24.2	97	25.0	24.1	96	0	90-110	20	

Analyst: CHE **Date Prepared:** 03.10.2021 **Date Analyzed:** 03.10.2021

Lab Batch ID: 3153274 **Sample:** 7723019-1-BKS **Batch #:** 1 **Matrix:** Water

Units: mg/L

BLANK /BLANK SPIKE / BLANK SPIKE DUPLICATE RECOVERY STUDY

Chloride by EPA 300 Analytes	Blank Sample Result [A]	Spike Added [B]	Blank Spike Result [C]	Blank Spike %R [D]	Spike Added [E]	Blank Spike Duplicate Result [F]	Blk. Spk Dup. %R [G]	RPD %	Control Limits %R	Control Limits %RPD	Flag
Chloride	<0.0210	25.0	25.1	100	25.0	25.1	100	0	90-110	20	

Analyst: CHE **Date Prepared:** 03.10.2021 **Date Analyzed:** 03.10.2021

Lab Batch ID: 3153132 **Sample:** 3153132-1-BKS **Batch #:** 1 **Matrix:** Water

Units: mg/L

BLANK /BLANK SPIKE / BLANK SPIKE DUPLICATE RECOVERY STUDY

Chromium, Hexavalent by SW 7196A Analytes	Blank Sample Result [A]	Spike Added [B]	Blank Spike Result [C]	Blank Spike %R [D]	Spike Added [E]	Blank Spike Duplicate Result [F]	Blk. Spk Dup. %R [G]	RPD %	Control Limits %R	Control Limits %RPD	Flag
Chromium, Hexavalent	<0.00273	0.0400	0.0405	101	0.0400	0.0407	102	0	85-115	20	

Relative Percent Difference RPD = 200*|(C-F)/(C+F)|
Blank Spike Recovery [D] = 100*(C)/[B]
Blank Spike Duplicate Recovery [G] = 100*(F)/[E]
All results are based on MDL and Validated for QC Purposes

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BS / BSD Recoveries

Project Name: Eunice Project - N Eunice

Work Order #: 691110 **Project ID:**

Analyst: SPC **Date Prepared:** 03.10.2021 **Date Analyzed:** 03.10.2021

Lab Batch ID: 3153133 **Sample:** 3153133-1-BKS **Batch #:** 1 **Matrix:** Water

Units: mg/L

BLANK /BLANK SPIKE / BLANK SPIKE DUPLICATE RECOVERY STUDY

Chromium, Hexavalent by SW 7196A Analytes	Blank Sample Result [A]	Spike Added [B]	Blank Spike Result [C]	Blank Spike %R [D]	Spike Added [E]	Blank Spike Duplicate Result [F]	Blk. Spk Dup. %R [G]	RPD %	Control Limits %R	Control Limits %RPD	Flag
Chromium, Hexavalent	<0.00273	0.0400	0.0380	95	0.0400	0.0388	97	2	85-115	20	

Analyst: DEP **Date Prepared:** 03.14.2021 **Date Analyzed:** 03.14.2021

Lab Batch ID: 3153592 **Sample:** 7723279-1-BKS **Batch #:** 1 **Matrix:** Water

Units: mg/L

BLANK /BLANK SPIKE / BLANK SPIKE DUPLICATE RECOVERY STUDY

(N) Dissolved Metals by SW6020A Analytes	Blank Sample Result [A]	Spike Added [B]	Blank Spike Result [C]	Blank Spike %R [D]	Spike Added [E]	Blank Spike Duplicate Result [F]	Blk. Spk Dup. %R [G]	RPD %	Control Limits %R	Control Limits %RPD	Flag
Arsenic	<0.000246	0.100	0.0972	97	0.100	0.0970	97	0	80-120	20	
Chromium	<0.000525	0.100	0.0954	95	0.100	0.0950	95	0	80-120	20	
Iron	<0.0227	0.500	0.472	94	0.500	0.470	94	0	80-120	20	
Manganese	<0.000199	0.100	0.0968	97	0.100	0.0950	95	2	80-120	20	

Analyst: DTH **Date Prepared:** 03.12.2021 **Date Analyzed:** 03.12.2021

Lab Batch ID: 3153734 **Sample:** 3153734-1-BKS **Batch #:** 1 **Matrix:** Water

Units: mg/L

BLANK /BLANK SPIKE / BLANK SPIKE DUPLICATE RECOVERY STUDY

TDS by SM2540C Analytes	Blank Sample Result [A]	Spike Added [B]	Blank Spike Result [C]	Blank Spike %R [D]	Spike Added [E]	Blank Spike Duplicate Result [F]	Blk. Spk Dup. %R [G]	RPD %	Control Limits %R	Control Limits %RPD	Flag
Total Dissolved Solids	<25.0	1000	995	100	1000	993	99	0	90-110	10	

Relative Percent Difference RPD = 200*|(C-F)/(C+F)|
Blank Spike Recovery [D] = 100*(C)/[B]
Blank Spike Duplicate Recovery [G] = 100*(F)/[E]
All results are based on MDL and Validated for QC Purposes

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Form 3 - MS / MSD Recoveries

Project Name: Eunice Project - N Eunice

Report Date: 03172021
Project ID:

Work Order # : 691110

Lab Batch ID: 3153273 **QC- Sample ID:** 691108-010 S **Batch #:** 1 **Matrix:** Water
Date Analyzed: 03.10.2021 **Date Prepared:** 03.10.2021 **Analyst:** CHE
Reporting Units: mg/L

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY STUDY

Chloride by EPA 300 Analytes	Parent Sample Result [A]	Spike Added [B]	Spiked Sample Result [C]	Spiked Sample %R [D]	Spike Added [E]	Duplicate Spiked Sample Result [F]	Spiked Dup. %R [G]	RPD %	Control Limits %R	Control Limits %RPD	Flag
Chloride	576	1000	1520	94	1000	1520	94	0	90-110	20	

Lab Batch ID: 3153273 **QC- Sample ID:** 691110-002 S **Batch #:** 1 **Matrix:** Water
Date Analyzed: 03.11.2021 **Date Prepared:** 03.10.2021 **Analyst:** CHE
Reporting Units: mg/L

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY STUDY

Chloride by EPA 300 Analytes	Parent Sample Result [A]	Spike Added [B]	Spiked Sample Result [C]	Spiked Sample %R [D]	Spike Added [E]	Duplicate Spiked Sample Result [F]	Spiked Dup. %R [G]	RPD %	Control Limits %R	Control Limits %RPD	Flag
Chloride	536	250	766	92	250	764	91	0	90-110	20	

Lab Batch ID: 3153274 **QC- Sample ID:** 691110-009 S **Batch #:** 1 **Matrix:** Water
Date Analyzed: 03.10.2021 **Date Prepared:** 03.10.2021 **Analyst:** CHE
Reporting Units: mg/L

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY STUDY

Chloride by EPA 300 Analytes	Parent Sample Result [A]	Spike Added [B]	Spiked Sample Result [C]	Spiked Sample %R [D]	Spike Added [E]	Duplicate Spiked Sample Result [F]	Spiked Dup. %R [G]	RPD %	Control Limits %R	Control Limits %RPD	Flag
Chloride	233	500	770	107	500	770	107	0	90-110	20	

Matrix Spike Percent Recovery [D] = 100*(C-A) / B
Relative Percent Difference RPD = 200*|(C-F) / (C+F)|
Matrix Spike Duplicate Percent Recovery [G] = 100*(F-A) / E

ND = Not Detected, J = Present Below Reporting Limit, B = Present in Blank, NR = Not Requested, I = Interference, NA = Not Applicable
N = See Narrative, EQL = Estimated Quantitation Limit, NC = Non Calculable - Sample amount is > 4 times the amount spiked.

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Form 3 - MS / MSD Recoveries

Project Name: Eunice Project - N Eunice

Report Date: 03172021
Project ID:

Work Order # : 691110

Lab Batch ID: 3153132 **QC- Sample ID:** 691110-001 S **Batch #:** 1 **Matrix:** Water
Date Analyzed: 03.10.2021 **Date Prepared:** 03.10.2021 **Analyst:** CHE
Reporting Units: mg/L

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY STUDY

Chromium, Hexavalent by SW 7196A Analytes	Parent Sample Result [A]	Spike Added [B]	Spiked Sample Result [C]	Spiked Sample %R [D]	Spike Added [E]	Duplicate Spiked Sample Result [F]	Spiked Dup. %R [G]	RPD %	Control Limits %R	Control Limits %RPD	Flag
Chromium, Hexavalent	<0.00273	0.200	0.172	86	0.200	0.172	86	0	75-125	20	

Lab Batch ID: 3153133 **QC- Sample ID:** 691110-005 S **Batch #:** 1 **Matrix:** Water
Date Analyzed: 03.10.2021 **Date Prepared:** 03.10.2021 **Analyst:** SPC
Reporting Units: mg/L

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY STUDY

Chromium, Hexavalent by SW 7196A Analytes	Parent Sample Result [A]	Spike Added [B]	Spiked Sample Result [C]	Spiked Sample %R [D]	Spike Added [E]	Duplicate Spiked Sample Result [F]	Spiked Dup. %R [G]	RPD %	Control Limits %R	Control Limits %RPD	Flag
Chromium, Hexavalent	<0.00273	0.200	0.195	98	0.200	0.195	98	0	75-125	20	

Matrix Spike Percent Recovery [D] = 100*(C-A) / B
Relative Percent Difference RPD = 200*|(C-F) / (C+F)|
Matrix Spike Duplicate Percent Recovery [G] = 100*(F-A) / E

ND = Not Detected, J = Present Below Reporting Limit, B = Present in Blank, NR = Not Requested, I = Interference, NA = Not Applicable
N = See Narrative, EQL = Estimated Quantitation Limit, NC = Non Calculable - Sample amount is > 4 times the amount spiked.

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Form 3 - MS / MSD Recoveries

Project Name: Eunice Project - N Eunice

Work Order # : 691110 **Report Date:** 03172021

Lab Batch ID: 3153592 **QC- Sample ID:** 691110-001 S **Batch #:** 1 **Matrix:** Water **Project ID:**

Date Analyzed: 03.14.2021 **Date Prepared:** 03.14.2021 **Analyst:** DEP

Reporting Units: mg/L

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY STUDY

(N) Dissolved Metals by SW6020A Analytes	Parent Sample Result [A]	Spike Added [B]	Spiked Sample Result [C]	Spiked Sample %R [D]	Spike Added [E]	Duplicate Spiked Sample Result [F]	Spiked Dup. %R [G]	RPD %	Control Limits %R	Control Limits %RPD	Flag
Arsenic	0.00890	0.100	0.107	98	0.100	0.107	98	0	75-125	20	
Chromium	0.000681	0.100	0.0998	99	0.100	0.0993	99	1	75-125	20	
Iron	0.0766	0.500	0.562	97	0.500	0.563	97	0	75-125	20	
Manganese	0.497	0.100	0.602	105	0.100	0.608	111	1	75-125	20	

Matrix Spike Percent Recovery [D] = 100*(C-A) / B
Relative Percent Difference RPD = 200*|(C-F) / (C+F)|

Matrix Spike Duplicate Percent Recovery [G] = 100*(F-A) / E

ND = Not Detected, J = Present Below Reporting Limit, B = Present in Blank, NR = Not Requested, I = Interference, NA = Not Applicable
N = See Narrative, EQL = Estimated Quantitation Limit, NC = Non Calculable - Sample amount is > 4 times the amount spiked.

Method Duplicate

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Project Name: Eunice Project - N Eunice

Work Order #: 691110 **Report Date:** 03172021

Lab Batch #: 3153734 **Project ID:**

Date Analyzed: 03.12.2021 12:41 **Date Prepared:** 03.12.2021 **Analyst:** DTH

QC- Sample ID: 691110-001 D **Batch #:** 1 **Matrix:** Water

Reporting Units: mg/L

SAMPLE / SAMPLE DUPLICATE RECOVERY

TDS by SM2540C Analyte	Parent Sample Result [A]	Sample Duplicate Result [B]	RPD	Control Limits %RPD	Flag
Total Dissolved Solids	2630	2610	1	10	

Spike Relative Difference RPD 200 * | (B-A)/(B+A) |
All Results are based on MDL and validated for QC purposes.

BRL - Below Reporting Limit

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Chain of Custody

Work Order No: 691110

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 _____ of _____

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:	303-471-2477 Email:	madisyn.frandsen@arcadis.com	

Work Order Comments

Program: UST/PST ☐ PRP ☐ Brownfields ☐ RRC ☐ Superfund ☐
State of Project:
Reporting: Level II ☐ Level III ☐ PST/UST ☐ TRRP ☐ Level IV ☐
Deliverables: EDD ☐ ADaPT ☐ Other:

Project Name:	Eunice Project-N. Eunice	Turn Around	
Project Number:	30049577	Routine	
P.O. Number:		Rush:	
Sampler's Name:	Carlos Grajeda	Due Date:	

SAMPLE RECEIPT			
Temp Blank:	Yes (No)	Wet Ice:	(Yes) No
Temperature (°C):	2.3/2.8	Thermometer ID	IR8
Received Intact:	(Yes) No		
Cooler Custody Seals:	Yes No (N/A)	Correction Factor:	0.5
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): Aresenic, Maganese, Iron & Chromium	TDS (SM2540C)	Chlorides (EPA 300.0)
MW100	W	030921	824		3			X	X	X	X
MW076SA	W	3-9-21	921					X	X	X	X
MW075SA	W	3-9-21	1016					X	X	X	X
MW084SA	W	3-9-21	1043					X	X	X	X
MW085SA	W	3-9-21	1137					X	X	X	X
MW055SA	W	3-9-21	1258					X	X	X	X
MW056SA	W	3-9-21	1328					X	X	X	X
MW074SA	W	3-9-21	1354					X	X	X	X
MW057SA	W	3-9-21	1426					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	Carlos Grajeda	Kenny Schoonover	030921 1612	2		3/9/21
3				4		1758
5				6		

Revised Date 051418 Rev. 2018.1

Received by OCD: 3/21/2022 2:39:57 PM
Released to Imaging: 12/12/2022 10:42:57 AM
Final 1.000
Page 23 of 28

Released to Imaging: 12/12/2022 10:42:57 AM
Received by OCD: 3/21/2022 2:39:57 PM

Inter-Office Shipment

IOS Number : 79231

Date/Time:	03.10.2021	Created by:	Jessica Kramer	Please send report to:	John Builes
Lab# From:	**Midland**	Delivery Priority:	Delivered by Laboratory	Address:	1211 W. Florida Ave
Lab# To:	**El Paso**	Air Bill No.:		E-Mail:	john.builes@eurofinset.com

Sample Id	Matrix	Client Sample Id	Sample Collection	Method	Method Name	Lab Due	HT Due	PM	Analytes	Sign
691110-001	W	MW100	03.09.2021 08:24	SM2540C	TDS by SM2540C	03.15.2021	**03.16.2021 08:24**	JHB	TDS	
691110-002	W	MW076 SA	03.09.2021 09:21	SM2540C	TDS by SM2540C	03.15.2021	**03.16.2021 09:21**	JHB	TDS	
691110-003	W	MW075 SA	03.09.2021 10:16	SM2540C	TDS by SM2540C	03.15.2021	**03.16.2021 10:16**	JHB	TDS	
691110-004	W	MW084 SA	03.09.2021 10:43	SM2540C	TDS by SM2540C	03.15.2021	**03.16.2021 10:43**	JHB	TDS	
691110-005	W	MW085 SA	03.09.2021 11:37	SM2540C	TDS by SM2540C	03.15.2021	**03.16.2021 11:37**	JHB	TDS	
691110-006	W	MW055 SA	03.09.2021 12:58	SM2540C	TDS by SM2540C	03.15.2021	**03.16.2021 12:58**	JHB	TDS	
691110-007	W	MW056 SA	03.09.2021 13:28	SM2540C	TDS by SM2540C	03.15.2021	**03.16.2021 13:28**	JHB	TDS	
691110-008	W	MW074 SA	03.09.2021 13:54	SM2540C	TDS by SM2540C	03.15.2021	**03.16.2021 13:54**	JHB	TDS	
691110-009	W	MW057 SA	03.09.2021 14:26	SM2540C	TDS by SM2540C	03.15.2021	**03.16.2021 14:26**	JHB	TDS	

Inter Office Shipment or Sample Comments:

Relinquished By: Jessica Kramer
Jessica Kramer

Date Relinquished: 03.10.2021

Received By: Erica Morales

Date Received: 03.11.2021

Cooler Temperature: 2.5

Released to Imaging: 12/12/2022 10:42:57 AM
Received by OCD: 3/21/2022 2:39:57 PM

Inter-Office Shipment

IOS Number : 79232

Date/Time:	03.10.2021	Created by:	Jessica Kramer	Please send report to:	John Builes
Lab# From:	**Midland**	Delivery Priority:		Address:	1211 W. Florida Ave
Lab# To:	**Houston**	Air Bill No.:	773121615266	E-Mail:	john.builes@eurofinset.com

Sample Id	Matrix	Client Sample Id	Sample Collection	Method	Method Name	Lab Due	HT Due	PM	Analytes	Sign
691110-001	W	MW100	03.09.2021 08:24	SW6020_DIS	(N) Dissolved Metals by SW6020A	03.15.2021	09.05.2021	JHB	AS CR FE MN	
691110-002	W	MW076 SA	03.09.2021 09:21	SW6020_DIS	(N) Dissolved Metals by SW6020A	03.15.2021	09.05.2021	JHB	AS CR FE MN	
691110-003	W	MW075 SA	03.09.2021 10:16	SW6020_DIS	(N) Dissolved Metals by SW6020A	03.15.2021	09.05.2021	JHB	AS CR FE MN	
691110-004	W	MW084 SA	03.09.2021 10:43	SW6020_DIS	(N) Dissolved Metals by SW6020A	03.15.2021	09.05.2021	JHB	AS CR FE MN	
691110-005	W	MW085 SA	03.09.2021 11:37	SW6020_DIS	(N) Dissolved Metals by SW6020A	03.15.2021	09.05.2021	JHB	AS CR FE MN	
691110-006	W	MW055 SA	03.09.2021 12:58	SW6020_DIS	(N) Dissolved Metals by SW6020A	03.15.2021	09.05.2021	JHB	AS CR FE MN	
691110-007	W	MW056 SA	03.09.2021 13:28	SW6020_DIS	(N) Dissolved Metals by SW6020A	03.15.2021	09.05.2021	JHB	AS CR FE MN	
691110-008	W	MW074 SA	03.09.2021 13:54	SW6020_DIS	(N) Dissolved Metals by SW6020A	03.15.2021	09.05.2021	JHB	AS CR FE MN	
691110-009	W	MW057 SA	03.09.2021 14:26	SW6020_DIS	(N) Dissolved Metals by SW6020A	03.15.2021	09.05.2021	JHB	AS CR FE MN	

Inter Office Shipment or Sample Comments:

Relinquished By: Jessica Kramer
Jessica Kramer

Date Relinquished: 03.10.2021

Received By: Jose Londono

Date Received: 03.11.2021

Cooler Temperature: 3.8

Eurofins Xenco, LLC

Environment Testing Xenco

Inter Office Report- Sample Receipt Checklist

Sent To: El Paso

IOS #: 79231

Acceptable Temperature Range: 0 - 6 degC
Air and Metal samples Acceptable Range: Ambient
Temperature Measuring device used : IR-4

Sent By: Jessica Kramer **Date Sent:** 03.10.2021 08.15 AM

Received By: Erica Morales **Date Received:** 03.11.2021 08.15 AM

Sample Receipt Checklist		Comments
#1 *Temperature of cooler(s)?	2.5	
#2 *Shipping container in good condition?	**Yes**	
#3 *Samples received with appropriate temperature?	**Yes**	
#4 *Custody Seals intact on shipping container/ cooler?	**N/A**	
#5 *Custody Seals Signed and dated for Containers/coolers	**N/A**	
#6 *IOS present?	**Yes**	
#7 Any missing/extra samples?	**No**	
#8 IOS agrees with sample label(s)/matrix?	**Yes**	
#9 Sample matrix/ properties agree with IOS?	**Yes**	
#10 Samples in proper container/ bottle?	**Yes**	
#11 Samples properly preserved?	**N/A**	
#12 Sample container(s) intact?	**Yes**	
#13 Sufficient sample amount for indicated test(s)?	**Yes**	
#14 All samples received within hold time?	**Yes**	

*** Must be completed for after-hours delivery of samples prior to placing in the refrigerator**

NonConformance:

Corrective Action Taken:

Nonconformance Documentation

Contact: _____ **Contacted by :** _____ **Date:** _____

Checklist reviewed by: _____ Date: 03.11.2021
Erica Morales

Eurofins Xenco, LLC

Inter Office Report- Sample Receipt Checklist

Sent To: Houston

IOS #: 79232

Acceptable Temperature Range: 0 - 6 degC
Air and Metal samples Acceptable Range: Ambient
Temperature Measuring device used : HOU-272

Sent By: Jessica Kramer **Date Sent:** 03.10.2021 08.15 AM

Received By: Jose Londono **Date Received:** 03.11.2021 11.38 AM

Sample Receipt Checklist		Comments
#1 *Temperature of cooler(s)?	3.8	
#2 *Shipping container in good condition?	**Yes**	
#3 *Samples received with appropriate temperature?	**Yes**	
#4 *Custody Seals intact on shipping container/ cooler?	**Yes**	
#5 *Custody Seals Signed and dated for Containers/coolers	**Yes**	
#6 *IOS present?	**Yes**	
#7 Any missing/extra samples?	**No**	
#8 IOS agrees with sample label(s)/matrix?	**Yes**	
#9 Sample matrix/ properties agree with IOS?	**Yes**	
#10 Samples in proper container/ bottle?	**Yes**	
#11 Samples properly preserved?	**Yes**	
#12 Sample container(s) intact?	**Yes**	
#13 Sufficient sample amount for indicated test(s)?	**Yes**	
#14 All samples received within hold time?	**Yes**	

*** Must be completed for after-hours delivery of samples prior to placing in the refrigerator**

NonConformance:

Corrective Action Taken:

Nonconformance Documentation

Contact: _____ **Contacted by :** _____ **Date:** _____

Checklist reviewed by: Jose Londono Date: 03.11.2021

Eurofins Xenco, LLC

Prelogin/Nonconformance Report- Sample Log-In

Client: ARCADIS

Date/ Time Received: 03.09.2021 05.58.00 PM

Work Order #: 691110

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

Temperature Measuring device used : IR8

Sample Receipt Checklist		Comments
#1 *Temperature of cooler(s)?		
#2 *Shipping container in good condition?	**Yes**	
#3 *Samples received on ice?	**Yes**	
#4 *Custody Seals intact on shipping container/ cooler?	**N/A**	
#5 Custody Seals intact on sample bottles?	**N/A**	
#6*Custody Seals Signed and dated?	**N/A**	
#7 *Chain of Custody present?	**Yes**	
#8 Any missing/extra samples?	**No**	
#9 Chain of Custody signed when relinquished/ received?	**Yes**	
#10 Chain of Custody agrees with sample labels/matrix?	**Yes**	
#11 Container label(s) legible and intact?	**Yes**	
#12 Samples in proper container/ bottle?	**Yes**	
#13 Samples properly preserved?	**Yes**	
#14 Sample container(s) intact?	**Yes**	
#15 Sufficient sample amount for indicated test(s)?	**Yes**	
#16 All samples received within hold time?	**Yes**	
#17 Subcontract of sample(s)?	**Yes**	Xenco Stafford
#18 Water VOC samples have zero headspace?	**N/A**	

*** Must be completed for after-hours delivery of samples prior to placing in the refrigerator**

Analyst: JKR PH Device/Lot#: 10BDH1991

Checklist completed by: Brianna Teel Date: 03.10.2021

Brianna Teel

Checklist reviewed by: Date: 03.12.2021

John Builes

eurofins | Environment Testing Xenco

Analytical Report 691108

for

ARCADIS

Project Manager: Sonja Zabienski

Eunice Project - N Eunice

03.17.2021

Collected By: Client

1211 W. Florida Ave
Midland TX 79701

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

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

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

Released to Imaging: 12/12/2022 10:42:57 AM

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03.17.2021

Project Manager: **Sonja Zabienski**
ARCADIS
1004 N. Big Spring St.
Midland, TX 79701

Reference: Eurofins Xenco, LLC Report No(s): **691108**
Eunice Project - N Eunice
Project Address:

Sonja Zabienski:

We are reporting to you the results of the analyses performed on the samples received under the project name referenced above and identified with the Eurofins Xenco, LLC Report Number(s) 691108. All results being reported under this Report Number apply to the samples analyzed and properly identified with a Laboratory ID number. Subcontracted analyses are identified in this report with either the NELAC certification number of the subcontract lab in the analyst ID field, or the complete subcontracted report attached to this report.

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

The validity and integrity of this report will remain intact as long as it is accompanied by this letter and reproduced in full, unless written approval is granted by Eurofins Xenco, LLC. This report will be filed for at least 5 years in our archives after which time it will be destroyed without further notice, unless otherwise arranged with you. The samples received, and described as recorded in Report No. 691108 will be filed for 45 days, and after that time they will be properly disposed without further notice, unless otherwise arranged with you. We reserve the right to return to you any unused samples, extracts or solutions related to them if we consider so necessary (e.g., samples identified as hazardous waste, sample sizes exceeding analytical standard practices, controlled substances under regulated protocols, etc).

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

Respectfully,

John Builes
Project Manager

A Small Business and Minority Company

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

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Sample Cross Reference 691108

ARCADIS, Midland, TX

Eunice Project - N Eunice

Sample Id	Matrix	Date Collected	Sample Depth	Lab Sample Id
MW086 SA	W	03.09.2021 09:22		691108-001
MW071 SA	W	03.09.2021 09:52		691108-002
MW065 SA	W	03.09.2021 10:08		691108-003
IW010	W	03.09.2021 10:31		691108-004
IW008	W	03.09.2021 10:55		691108-005
MW066 SA	W	03.09.2021 11:17		691108-006
MW073 SA	W	03.09.2021 11:36		691108-007
MW072 SA	W	03.09.2021 11:54		691108-008
IW023	W	03.09.2021 12:47		691108-009
DUP-1	W	03.09.2021 00:00		691108-010
MW093 SA	W	03.09.2021 13:09		691108-011
MW041 A	W	03.09.2021 13:24		691108-012
MW049 SA	W	03.09.2021 13:58		691108-013
MW048 SA	W	03.09.2021 14:27		691108-014
DUP-2	W	03.09.2021 00:00		691108-015

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CASE NARRATIVE

Client Name: ARCADIS

Project Name: Eunice Project - N Eunice

Project ID:
Work Order Number(s): *691108*

Report Date: *03.17.2021*
Date Received: *03.09.2021*

This laboratory is NELAC accredited under the Texas Laboratory Accreditation Program for all the methods, analytes, and matrices reported in this data package except as noted. The data have been reviewed and are technically compliant with the requirements of the methods used, except where noted by the laboratory.

Sample receipt non conformances and comments:

Sample receipt non conformances and comments per sample:

None

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Certificate of Analytical Results
691108
ARCADIS, Midland, TX
Eunice Project - N Eunice

Sample Id: **MW086 SA** Matrix: Water Sample Depth:

Lab Sample Id: 691108-001 Date Collected: 03.09.2021 09:22 Date Received: 03.09.2021 17:58

Analytical Method: Chloride by EPA 300 Prep Method: E300P

Analyst: CHE % Moist:

Seq Number: 3153273 Date Prep: 03.10.2021 16:30 Tech: CHE

Prep seq: 7723018

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Chloride	16887-00-6	**1250**	25.0	1.05	mg/L	03.10.2021 21:14		50

Analytical Method: TDS by SM2540C Prep Method:

Analyst: DTH % Moist:

Seq Number: 3153721 Date Prep: Tech: DTH

Subcontractor: SUB: T104704221-20-18 Prep seq:

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Total Dissolved Solids	1642222	**3560**	100	100	mg/L	03.11.2021 14:00		1

Analytical Method: (N) Dissolved Metals by SW6020A Prep Method: 3010A

Analyst: DEP % Moist:

Seq Number: 3153749 Date Prep: 03.14.2021 12:00 Tech: DEP

Subcontractor: SUB: T104704215-20-39 Prep seq: 7723278

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Arsenic	7440-38-2	**0.0111**	0.00400	0.000246	mg/L	03.15.2021 17:12		1
Chromium	7440-47-3	**0.0556**	0.00400	0.000525	mg/L	03.15.2021 17:12		1
Iron	7439-89-6	**0.0926**	0.100	0.0227	mg/L	03.15.2021 17:12	J	1
Manganese	7439-96-5	**0.00294**	0.00200	0.000199	mg/L	03.15.2021 17:12		1

Analytical Method: Chromium, Hexavalent by SW 7196A Prep Method:

Analyst: CHE % Moist:

Seq Number: 3153132 Date Prep: Tech: CHE

Prep seq:

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Chromium, Hexavalent	18540-29-9	**0.0416**	0.0100	0.00273	mg/L	03.10.2021 08:05		1

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Certificate of Analytical Results
691108
ARCADIS, Midland, TX
Eunice Project - N Eunice

Sample Id: **MW071 SA** Matrix: Water Sample Depth:

Lab Sample Id: 691108-002 Date Collected: 03.09.2021 09:52 Date Received: 03.09.2021 17:58

Analytical Method: Chloride by EPA 300 Prep Method: E300P

Analyst: CHE % Moist:

Seq Number: 3153273 Date Prep: 03.10.2021 16:30 Tech: CHE

Prep seq: 7723018

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Chloride	16887-00-6	**488**	5.00	0.210	mg/L	03.10.2021 21:20		10

Analytical Method: TDS by SM2540C Prep Method:

Analyst: DTH % Moist:

Seq Number: 3153721 Date Prep: Tech: DTH

Subcontractor: SUB: T104704221-20-18 Prep seq:

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Total Dissolved Solids	1642222	**1910**	50.0	50.0	mg/L	03.11.2021 14:00		1

Analytical Method: (N) Dissolved Metals by SW6020A Prep Method: 3010A

Analyst: DEP % Moist:

Seq Number: 3153749 Date Prep: 03.14.2021 12:00 Tech: DEP

Subcontractor: SUB: T104704215-20-39 Prep seq: 7723278

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Arsenic	7440-38-2	**0.0108**	0.00400	0.000246	mg/L	03.15.2021 17:32		1
Chromium	7440-47-3	**0.00159**	0.00400	0.000525	mg/L	03.15.2021 17:32	J	1
Iron	7439-89-6	**0.697**	0.100	0.0227	mg/L	03.15.2021 17:32		1
Manganese	7439-96-5	**0.297**	0.00200	0.000199	mg/L	03.15.2021 17:32		1

Analytical Method: Chromium, Hexavalent by SW 7196A Prep Method:

Analyst: CHE % Moist:

Seq Number: 3153132 Date Prep: Tech: CHE

Prep seq:

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Chromium, Hexavalent	18540-29-9	<0.00273	0.0100	0.00273	mg/L	03.10.2021 08:05	U	1

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Certificate of Analytical Results
691108
ARCADIS, Midland, TX
Eunice Project - N Eunice

Sample Id: **MW065 SA** Matrix: Water Sample Depth:

Lab Sample Id: 691108-003 Date Collected: 03.09.2021 10:08 Date Received: 03.09.2021 17:58

Analytical Method: Chloride by EPA 300 Prep Method: E300P

Analyst: CHE % Moist:

Seq Number: 3153273 Date Prep: 03.10.2021 16:30 Tech: CHE

Prep seq: 7723018

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Chloride	16887-00-6	**852**	10.0	0.421	mg/L	03.10.2021 21:25		20

Analytical Method: TDS by SM2540C Prep Method:

Analyst: DTH % Moist:

Seq Number: 3153721 Date Prep: Tech: DTH

Subcontractor: SUB: T104704221-20-18 Prep seq:

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Total Dissolved Solids	1642222	**3090**	100	100	mg/L	03.11.2021 14:00		1

Analytical Method: (N) Dissolved Metals by SW6020A Prep Method: 3010A

Analyst: DEP % Moist:

Seq Number: 3153749 Date Prep: 03.14.2021 12:00 Tech: DEP

Subcontractor: SUB: T104704215-20-39 Prep seq: 7723278

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Arsenic	7440-38-2	**0.0140**	0.00400	0.000246	mg/L	03.15.2021 17:35		1
Chromium	7440-47-3	**0.0860**	0.00400	0.000525	mg/L	03.15.2021 17:35		1
Iron	7439-89-6	**0.278**	0.100	0.0227	mg/L	03.15.2021 17:35		1
Manganese	7439-96-5	**0.113**	0.00200	0.000199	mg/L	03.15.2021 17:35		1

Analytical Method: Chromium, Hexavalent by SW 7196A Prep Method:

Analyst: CHE % Moist:

Seq Number: 3153132 Date Prep: Tech: CHE

Prep seq:

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Chromium, Hexavalent	18540-29-9	<0.00273	0.0100	0.00273	mg/L	03.10.2021 08:05	U	1

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Certificate of Analytical Results
691108
ARCADIS, Midland, TX
Eunice Project - N Eunice

Sample Id: **IW010** Matrix: Water Sample Depth:

Lab Sample Id: 691108-004 Date Collected: 03.09.2021 10:31 Date Received: 03.09.2021 17:58

Analytical Method: Chloride by EPA 300 Prep Method: E300P

Analyst: CHE % Moist:

Seq Number: 3153273 Date Prep: 03.10.2021 16:30 Tech: CHE

Prep seq: 7723018

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Chloride	16887-00-6	**1160**	25.0	1.05	mg/L	03.10.2021 21:31		50

Analytical Method: TDS by SM2540C Prep Method:

Analyst: DTH % Moist:

Seq Number: 3153721 Date Prep: Tech: DTH

Subcontractor: SUB: T104704221-20-18 Prep seq:

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Total Dissolved Solids	1642222	**3680**	100	100	mg/L	03.11.2021 14:00		1

Analytical Method: (N) Dissolved Metals by SW6020A Prep Method: 3010A

Analyst: DEP % Moist:

Seq Number: 3153749 Date Prep: 03.14.2021 12:00 Tech: DEP

Subcontractor: SUB: T104704215-20-39 Prep seq: 7723278

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Arsenic	7440-38-2	**0.00944**	0.00400	0.000246	mg/L	03.15.2021 17:38		1
Chromium	7440-47-3	**0.00195**	0.00400	0.000525	mg/L	03.15.2021 17:38	J	1
Iron	7439-89-6	**12.2**	0.100	0.0227	mg/L	03.15.2021 17:38		1
Manganese	7439-96-5	**8.12**	0.200	0.0199	mg/L	03.16.2021 20:15	D	100

Analytical Method: Chromium, Hexavalent by SW 7196A Prep Method:

Analyst: CHE % Moist:

Seq Number: 3153132 Date Prep: Tech: CHE

Prep seq:

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Chromium, Hexavalent	18540-29-9	<0.00273	0.0100	0.00273	mg/L	03.10.2021 08:05	U	1

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Sample Id: **IW008** Matrix: Water Sample Depth:

Lab Sample Id: 691108-005 Date Collected: 03.09.2021 10:55 Date Received: 03.09.2021 17:58

Analytical Method: Chloride by EPA 300 Prep Method: E300P

Analyst: CHE % Moist:

Seq Number: 3153273 Date Prep: 03.10.2021 16:30 Tech: CHE

Prep seq: 7723018

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Chloride	16887-00-6	**802**	10.0	0.421	mg/L	03.10.2021 21:49		20

Analytical Method: TDS by SM2540C Prep Method:

Analyst: DTH % Moist:

Seq Number: 3153721 Date Prep: Tech: DTH

Subcontractor: SUB: T104704221-20-18 Prep seq:

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Total Dissolved Solids	1642222	**2620**	100	100	mg/L	03.11.2021 14:00		1

Analytical Method: (N) Dissolved Metals by SW6020A Prep Method: 3010A

Analyst: DEP % Moist:

Seq Number: 3153749 Date Prep: 03.14.2021 12:00 Tech: DEP

Subcontractor: SUB: T104704215-20-39 Prep seq: 7723278

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Arsenic	7440-38-2	**0.0106**	0.00400	0.000246	mg/L	03.15.2021 17:41		1
Chromium	7440-47-3	**0.00407**	0.00400	0.000525	mg/L	03.15.2021 17:41		1
Iron	7439-89-6	**4.24**	0.100	0.0227	mg/L	03.15.2021 17:41		1
Manganese	7439-96-5	**1.72**	0.0400	0.00397	mg/L	03.16.2021 20:18	D	20

Analytical Method: Chromium, Hexavalent by SW 7196A Prep Method:

Analyst: CHE % Moist:

Seq Number: 3153132 Date Prep: Tech: CHE

Prep seq:

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Chromium, Hexavalent	18540-29-9	<0.00273	0.0100	0.00273	mg/L	03.10.2021 08:05	U	1

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Sample Id: **MW066 SA** Matrix: Water Sample Depth:

Lab Sample Id: 691108-006 Date Collected: 03.09.2021 11:17 Date Received: 03.09.2021 17:58

Analytical Method: Chloride by EPA 300 Prep Method: E300P

Analyst: CHE % Moist:

Seq Number: 3153273 Date Prep: 03.10.2021 16:30 Tech: CHE

Prep seq: 7723018

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Chloride	16887-00-6	**445**	5.00	0.210	mg/L	03.10.2021 21:55		10

Analytical Method: TDS by SM2540C Prep Method:

Analyst: DTH % Moist:

Seq Number: 3153721 Date Prep: Tech: DTH

Subcontractor: SUB: T104704221-20-18 Prep seq:

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Total Dissolved Solids	1642222	**1730**	50.0	50.0	mg/L	03.11.2021 14:00		1

Analytical Method: (N) Dissolved Metals by SW6020A Prep Method: 3010A

Analyst: DEP % Moist:

Seq Number: 3153749 Date Prep: 03.14.2021 12:00 Tech: DEP

Subcontractor: SUB: T104704215-20-39 Prep seq: 7723278

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Arsenic	7440-38-2	**0.00935**	0.00400	0.000246	mg/L	03.15.2021 17:44		1
Chromium	7440-47-3	**0.00567**	0.00400	0.000525	mg/L	03.15.2021 17:44		1
Iron	7439-89-6	**0.230**	0.100	0.0227	mg/L	03.15.2021 17:44		1
Manganese	7439-96-5	**0.437**	0.00200	0.000199	mg/L	03.15.2021 17:44		1

Analytical Method: Chromium, Hexavalent by SW 7196A Prep Method:

Analyst: CHE % Moist:

Seq Number: 3153132 Date Prep: Tech: CHE

Prep seq:

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Chromium, Hexavalent	18540-29-9	<0.00273	0.0100	0.00273	mg/L	03.10.2021 08:05	U	1

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Sample Id: **MW073 SA** Matrix: Water Sample Depth:

Lab Sample Id: 691108-007 Date Collected: 03.09.2021 11:36 Date Received: 03.09.2021 17:58

Analytical Method: Chloride by EPA 300 Prep Method: E300P

Analyst: CHE % Moist:

Seq Number: 3153273 Date Prep: 03.10.2021 16:30 Tech: CHE

Prep seq: 7723018

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Chloride	16887-00-6	**1100**	25.0	1.05	mg/L	03.10.2021 22:00		50

Analytical Method: TDS by SM2540C Prep Method:

Analyst: DTH % Moist:

Seq Number: 3153721 Date Prep: Tech: DTH

Subcontractor: SUB: T104704221-20-18 Prep seq:

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Total Dissolved Solids	1642222	**3710**	100	100	mg/L	03.11.2021 14:00		1

Analytical Method: (N) Dissolved Metals by SW6020A Prep Method: 3010A

Analyst: DEP % Moist:

Seq Number: 3153749 Date Prep: 03.14.2021 12:00 Tech: DEP

Subcontractor: SUB: T104704215-20-39 Prep seq: 7723278

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Arsenic	7440-38-2	**0.0106**	0.00400	0.000246	mg/L	03.15.2021 17:47		1
Chromium	7440-47-3	<0.000525	0.00400	0.000525	mg/L	03.15.2021 17:47	U	1
Iron	7439-89-6	<0.0227	0.100	0.0227	mg/L	03.15.2021 17:47	U	1
Manganese	7439-96-5	**0.000942**	0.00200	0.000199	mg/L	03.15.2021 17:47	J	1

Analytical Method: Chromium, Hexavalent by SW 7196A Prep Method:

Analyst: SPC % Moist:

Seq Number: 3153133 Date Prep: Tech: SPC

Prep seq:

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Chromium, Hexavalent	18540-29-9	<0.00273	0.0100	0.00273	mg/L	03.10.2021 11:06	U	1

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Sample Id: **MW072 SA** Matrix: Water Sample Depth:

Lab Sample Id: 691108-008 Date Collected: 03.09.2021 11:54 Date Received: 03.09.2021 17:58

Analytical Method: Chloride by EPA 300 Prep Method: E300P

Analyst: CHE % Moist:

Seq Number: 3153273 Date Prep: 03.10.2021 16:30 Tech: CHE

Prep seq: 7723018

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Chloride	16887-00-6	**245**	5.00	0.210	mg/L	03.10.2021 22:06		10

Analytical Method: TDS by SM2540C Prep Method:

Analyst: DTH % Moist:

Seq Number: 3153721 Date Prep: Tech: DTH

Subcontractor: SUB: T104704221-20-18 Prep seq:

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Total Dissolved Solids	1642222	**1260**	50.0	50.0	mg/L	03.11.2021 14:00		1

Analytical Method: (N) Dissolved Metals by SW6020A Prep Method: 3010A

Analyst: DEP % Moist:

Seq Number: 3153749 Date Prep: 03.14.2021 12:00 Tech: DEP

Subcontractor: SUB: T104704215-20-39 Prep seq: 7723278

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Arsenic	7440-38-2	**0.0172**	0.00400	0.000246	mg/L	03.15.2021 17:50		1
Chromium	7440-47-3	**0.000721**	0.00400	0.000525	mg/L	03.15.2021 17:50	J	1
Iron	7439-89-6	**0.204**	0.100	0.0227	mg/L	03.15.2021 17:50		1
Manganese	7439-96-5	**0.00652**	0.00200	0.000199	mg/L	03.15.2021 17:50		1

Analytical Method: Chromium, Hexavalent by SW 7196A Prep Method:

Analyst: SPC % Moist:

Seq Number: 3153133 Date Prep: Tech: SPC

Prep seq:

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Chromium, Hexavalent	18540-29-9	<0.00273	0.0100	0.00273	mg/L	03.10.2021 11:06	U	1

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Sample Id: **IW023** Matrix: Water Sample Depth:

Lab Sample Id: 691108-009 Date Collected: 03.09.2021 12:47 Date Received: 03.09.2021 17:58

Analytical Method: Chloride by EPA 300 Prep Method: E300P

Analyst: CHE % Moist:

Seq Number: 3153273 Date Prep: 03.10.2021 16:30 Tech: CHE

Prep seq: 7723018

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Chloride	16887-00-6	**567**	10.0	0.421	mg/L	03.10.2021 22:11		20

Analytical Method: TDS by SM2540C Prep Method:

Analyst: DTH % Moist:

Seq Number: 3153721 Date Prep: Tech: DTH

Subcontractor: SUB: T104704221-20-18 Prep seq:

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Total Dissolved Solids	1642222	**3000**	100	100	mg/L	03.11.2021 14:00		1

Analytical Method: (N) Dissolved Metals by SW6020A Prep Method: 3010A

Analyst: DEP % Moist:

Seq Number: 3153749 Date Prep: 03.14.2021 12:00 Tech: DEP

Subcontractor: SUB: T104704215-20-39 Prep seq: 7723278

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Arsenic	7440-38-2	**0.00970**	0.00400	0.000246	mg/L	03.15.2021 17:52		1
Chromium	7440-47-3	**0.312**	0.00400	0.000525	mg/L	03.15.2021 17:52		1
Iron	7439-89-6	**0.194**	0.100	0.0227	mg/L	03.15.2021 17:52		1
Manganese	7439-96-5	**0.00674**	0.00200	0.000199	mg/L	03.15.2021 17:52		1

Analytical Method: Chromium, Hexavalent by SW 7196A Prep Method:

Analyst: SPC % Moist:

Seq Number: 3153133 Date Prep: Tech: SPC

Prep seq:

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Chromium, Hexavalent	18540-29-9	**0.313**	0.0100	0.00273	mg/L	03.10.2021 11:06		1

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Sample Id: **DUP-1** Matrix: Water Sample Depth:

Lab Sample Id: 691108-010 Date Collected: 03.09.2021 00:00 Date Received: 03.09.2021 17:58

Analytical Method: Chloride by EPA 300 Prep Method: E300P

Analyst: CHE % Moist:

Seq Number: 3153273 Date Prep: 03.10.2021 16:30 Tech: CHE

Prep seq: 7723018

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Chloride	16887-00-6	**576**	10.0	0.421	mg/L	03.10.2021 22:17		20

Analytical Method: TDS by SM2540C Prep Method:

Analyst: DTH % Moist:

Seq Number: 3153721 Date Prep: Tech: DTH

Subcontractor: SUB: T104704221-20-18 Prep seq:

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Total Dissolved Solids	1642222	**3010**	100	100	mg/L	03.11.2021 14:00		1

Analytical Method: (N) Dissolved Metals by SW6020A Prep Method: 3010A

Analyst: DEP % Moist:

Seq Number: 3153749 Date Prep: 03.14.2021 12:00 Tech: DEP

Subcontractor: SUB: T104704215-20-39 Prep seq: 7723278

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Arsenic	7440-38-2	**0.00982**	0.00400	0.000246	mg/L	03.15.2021 17:55		1
Chromium	7440-47-3	**0.317**	0.00400	0.000525	mg/L	03.15.2021 17:55		1
Iron	7439-89-6	**0.223**	0.100	0.0227	mg/L	03.15.2021 17:55		1
Manganese	7439-96-5	**0.00788**	0.00200	0.000199	mg/L	03.15.2021 17:55		1

Analytical Method: Chromium, Hexavalent by SW 7196A Prep Method:

Analyst: SPC % Moist:

Seq Number: 3153133 Date Prep: Tech: SPC

Prep seq:

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Chromium, Hexavalent	18540-29-9	**0.318**	0.0100	0.00273	mg/L	03.10.2021 11:06	K	1

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Sample Id: **MW093 SA** Matrix: Water Sample Depth:

Lab Sample Id: 691108-011 Date Collected: 03.09.2021 13:09 Date Received: 03.09.2021 17:58

Analytical Method: Chloride by EPA 300 Prep Method: E300P

Analyst: CHE % Moist:

Seq Number: 3153273 Date Prep: 03.10.2021 16:30 Tech: CHE

Prep seq: 7723018

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Chloride	16887-00-6	**885**	25.0	1.05	mg/L	03.10.2021 22:33		50

Analytical Method: TDS by SM2540C Prep Method:

Analyst: DTH % Moist:

Seq Number: 3153721 Date Prep: Tech: DTH

Subcontractor: SUB: T104704221-20-18 Prep seq:

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Total Dissolved Solids	1642222	**3960**	100	100	mg/L	03.11.2021 14:00		1

Analytical Method: (N) Dissolved Metals by SW6020A Prep Method: 3010A

Analyst: DEP % Moist:

Seq Number: 3153749 Date Prep: 03.14.2021 12:00 Tech: DEP

Subcontractor: SUB: T104704215-20-39 Prep seq: 7723278

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Arsenic	7440-38-2	**0.00907**	0.00400	0.000246	mg/L	03.15.2021 17:58		1
Chromium	7440-47-3	**0.499**	0.00400	0.000525	mg/L	03.15.2021 17:58		1
Iron	7439-89-6	<0.0227	0.100	0.0227	mg/L	03.15.2021 17:58	U	1
Manganese	7439-96-5	**0.0192**	0.00200	0.000199	mg/L	03.15.2021 17:58		1

Analytical Method: Chromium, Hexavalent by SW 7196A Prep Method:

Analyst: SPC % Moist:

Seq Number: 3153133 Date Prep: Tech: SPC

Prep seq:

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Chromium, Hexavalent	18540-29-9	**0.438**	0.0100	0.00273	mg/L	03.10.2021 11:06		1

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Sample Id: **MW041 A** Matrix: Water Sample Depth:

Lab Sample Id: 691108-012 Date Collected: 03.09.2021 13:24 Date Received: 03.09.2021 17:58

Analytical Method: Chloride by EPA 300 Prep Method: E300P

Analyst: CHE % Moist:

Seq Number: 3153273 Date Prep: 03.10.2021 16:30 Tech: CHE

Prep seq: 7723018

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Chloride	16887-00-6	**382**	5.00	0.210	mg/L	03.10.2021 22:39		10

Analytical Method: TDS by SM2540C Prep Method:

Analyst: DTH % Moist:

Seq Number: 3153721 Date Prep: Tech: DTH

Subcontractor: SUB: T104704221-20-18 Prep seq:

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Total Dissolved Solids	1642222	**1740**	50.0	50.0	mg/L	03.11.2021 14:00		1

Analytical Method: (N) Dissolved Metals by SW6020A Prep Method: 3010A

Analyst: DEP % Moist:

Seq Number: 3153749 Date Prep: 03.14.2021 12:00 Tech: DEP

Subcontractor: SUB: T104704215-20-39 Prep seq: 7723278

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Arsenic	7440-38-2	**0.0109**	0.00400	0.000246	mg/L	03.15.2021 18:07		1
Chromium	7440-47-3	**0.213**	0.00400	0.000525	mg/L	03.15.2021 18:07		1
Iron	7439-89-6	<0.0227	0.100	0.0227	mg/L	03.15.2021 18:07	U	1
Manganese	7439-96-5	**0.000387**	0.00200	0.000199	mg/L	03.15.2021 18:07	J	1

Analytical Method: Chromium, Hexavalent by SW 7196A Prep Method:

Analyst: SPC % Moist:

Seq Number: 3153134 Date Prep: Tech: SPC

Prep seq:

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Chromium, Hexavalent	18540-29-9	**0.199**	0.0100	0.00273	mg/L	03.10.2021 12:02		1

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Sample Id: **MW049 SA** Matrix: Water Sample Depth:

Lab Sample Id: 691108-013 Date Collected: 03.09.2021 13:58 Date Received: 03.09.2021 17:58

Analytical Method: Chloride by EPA 300 Prep Method: E300P

Analyst: CHE % Moist:

Seq Number: 3153273 Date Prep: 03.10.2021 16:30 Tech: CHE

Prep seq: 7723018

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Chloride	16887-00-6	**1110**	10.0	0.421	mg/L	03.10.2021 22:56		20

Analytical Method: TDS by SM2540C Prep Method:

Analyst: DTH % Moist:

Seq Number: 3153721 Date Prep: Tech: DTH

Subcontractor: SUB: T104704221-20-18 Prep seq:

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Total Dissolved Solids	1642222	**3160**	100	100	mg/L	03.11.2021 14:00		1

Analytical Method: (N) Dissolved Metals by SW6020A Prep Method: 3010A

Analyst: DEP % Moist:

Seq Number: 3153749 Date Prep: 03.14.2021 12:00 Tech: DEP

Subcontractor: SUB: T104704215-20-39 Prep seq: 7723278

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Arsenic	7440-38-2	**0.0115**	0.00400	0.000246	mg/L	03.15.2021 18:10		1
Chromium	7440-47-3	**0.220**	0.00400	0.000525	mg/L	03.15.2021 18:10		1
Iron	7439-89-6	**0.0274**	0.100	0.0227	mg/L	03.15.2021 18:10	J	1
Manganese	7439-96-5	**0.00301**	0.00200	0.000199	mg/L	03.15.2021 18:10		1

Analytical Method: Chromium, Hexavalent by SW 7196A Prep Method:

Analyst: SPC % Moist:

Seq Number: 3153134 Date Prep: Tech: SPC

Prep seq:

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Chromium, Hexavalent	18540-29-9	**0.210**	0.0100	0.00273	mg/L	03.10.2021 12:02		1

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Sample Id: **MW048 SA** Matrix: Water Sample Depth:

Lab Sample Id: 691108-014 Date Collected: 03.09.2021 14:27 Date Received: 03.09.2021 17:58

Analytical Method: Chloride by EPA 300 Prep Method: E300P

Analyst: CHE % Moist:

Seq Number: 3153273 Date Prep: 03.10.2021 16:30 Tech: CHE

Prep seq: 7723018

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Chloride	16887-00-6	**568**	10.0	0.421	mg/L	03.10.2021 23:01		20

Analytical Method: TDS by SM2540C Prep Method:

Analyst: DTH % Moist:

Seq Number: 3153721 Date Prep: Tech: DTH

Subcontractor: SUB: T104704221-20-18 Prep seq:

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Total Dissolved Solids	1642222	**1900**	50.0	50.0	mg/L	03.11.2021 14:00		1

Analytical Method: (N) Dissolved Metals by SW6020A Prep Method: 3010A

Analyst: DEP % Moist:

Seq Number: 3153749 Date Prep: 03.14.2021 12:00 Tech: DEP

Subcontractor: SUB: T104704215-20-39 Prep seq: 7723278

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Arsenic	7440-38-2	**0.0114**	0.00400	0.000246	mg/L	03.15.2021 18:13		1
Chromium	7440-47-3	**0.406**	0.00400	0.000525	mg/L	03.15.2021 18:13		1
Iron	7439-89-6	**0.0724**	0.100	0.0227	mg/L	03.15.2021 18:13	J	1
Manganese	7439-96-5	**0.00187**	0.00200	0.000199	mg/L	03.15.2021 18:13	J	1

Analytical Method: Chromium, Hexavalent by SW 7196A Prep Method:

Analyst: SPC % Moist:

Seq Number: 3153134 Date Prep: Tech: SPC

Prep seq:

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Chromium, Hexavalent	18540-29-9	**0.398**	0.0100	0.00273	mg/L	03.10.2021 12:02		1

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Sample Id: **DUP-2** Matrix: Water Sample Depth:

Lab Sample Id: 691108-015 Date Collected: 03.09.2021 00:00 Date Received: 03.09.2021 17:58

Analytical Method: Chloride by EPA 300 Prep Method: E300P

Analyst: CHE % Moist:

Seq Number: 3153273 Date Prep: 03.10.2021 16:30 Tech: CHE

Prep seq: 7723018

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Chloride	16887-00-6	**577**	10.0	0.421	mg/L	03.10.2021 23:07		20

Analytical Method: TDS by SM2540C Prep Method:

Analyst: DTH % Moist:

Seq Number: 3153721 Date Prep: Tech: DTH

Subcontractor: SUB: T104704221-20-18 Prep seq:

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Total Dissolved Solids	1642222	**1980**	50.0	50.0	mg/L	03.11.2021 14:00		1

Analytical Method: (N) Dissolved Metals by SW6020A Prep Method: 3010A

Analyst: DEP % Moist:

Seq Number: 3153749 Date Prep: 03.14.2021 12:00 Tech: DEP

Subcontractor: SUB: T104704215-20-39 Prep seq: 7723278

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Arsenic	7440-38-2	**0.0118**	0.00400	0.000246	mg/L	03.15.2021 18:16		1
Chromium	7440-47-3	**0.428**	0.00400	0.000525	mg/L	03.15.2021 18:16		1
Iron	7439-89-6	**0.0773**	0.100	0.0227	mg/L	03.15.2021 18:16	J	1
Manganese	7439-96-5	**0.00267**	0.00200	0.000199	mg/L	03.15.2021 18:16		1

Analytical Method: Chromium, Hexavalent by SW 7196A Prep Method:

Analyst: SPC % Moist:

Seq Number: 3153134 Date Prep: Tech: SPC

Prep seq:

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Chromium, Hexavalent	18540-29-9	**0.393**	0.0100	0.00273	mg/L	03.10.2021 12:02	K	1

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Certificate of Analytical Results

691108

ARCADIS, Midland, TX

Eunice Project - N Eunice

Sample Id: **3153132-1-BLK** Matrix: Water Sample Depth:

Lab Sample Id: 3153132-1-BLK Date Collected: Date Received:

Analytical Method: Chromium, Hexavalent by SW 7196A Prep Method:

Analyst: CHE % Moist:

Seq Number: 3153132 Date Prep: Tech: CHE

Prep seq:

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Chromium, Hexavalent	18540-29-9	<0.00273	0.0100	0.00273	mg/L	03.10.2021 08:05	U	1

Sample Id: **3153133-1-BLK** Matrix: Water Sample Depth:

Lab Sample Id: 3153133-1-BLK Date Collected: Date Received:

Analytical Method: Chromium, Hexavalent by SW 7196A Prep Method:

Analyst: SPC % Moist:

Seq Number: 3153133 Date Prep: Tech: SPC

Prep seq:

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Chromium, Hexavalent	18540-29-9	<0.00273	0.0100	0.00273	mg/L	03.10.2021 11:06	U	1

Sample Id: **3153134-1-BLK** Matrix: Water Sample Depth:

Lab Sample Id: 3153134-1-BLK Date Collected: Date Received:

Analytical Method: Chromium, Hexavalent by SW 7196A Prep Method:

Analyst: SPC % Moist:

Seq Number: 3153134 Date Prep: Tech: SPC

Prep seq:

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Chromium, Hexavalent	18540-29-9	<0.00273	0.0100	0.00273	mg/L	03.10.2021 12:02	U	1

Sample Id: **3153721-1-BLK** Matrix: Water Sample Depth:

Lab Sample Id: 3153721-1-BLK Date Collected: Date Received:

Analytical Method: TDS by SM2540C Prep Method:

Analyst: DTH % Moist:

Seq Number: 3153721 Date Prep: Tech: DTH

Subcontractor: SUB: T104704221-20-18 Prep seq:

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Total Dissolved Solids	1642222	<25.0	25.0	25.0	mg/L	03.11.2021 14:00	U	1

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Certificate of Analytical Results
691108
ARCADIS, Midland, TX
Eunice Project - N Eunice

Sample Id: **7723018-1-BLK** Matrix: Water Sample Depth:
Lab Sample Id: 7723018-1-BLK Date Collected: Date Received:
Analytical Method: Chloride by EPA 300 Prep Method: E300P
Analyst: CHE % Moist:
Seq Number: 3153273 Date Prep: 03.10.2021 16:30 Tech: CHE
Prep seq: 7723018

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Chloride	16887-00-6	<0.0210	0.500	0.0210	mg/L	03.10.2021 20:35	U	1

Sample Id: **7723278-1-BLK** Matrix: Water Sample Depth:
Lab Sample Id: 7723278-1-BLK Date Collected: Date Received:
Analytical Method: (N) Dissolved Metals by SW6020A Prep Method: 3010A
Analyst: DEP % Moist:
Seq Number: 3153749 Date Prep: 03.14.2021 12:00 Tech: DEP
Subcontractor: SUB: T104704215-20-39 Prep seq: 7723278

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Arsenic	7440-38-2	<0.000246	0.00400	0.000246	mg/L	03.15.2021 17:03	U	1
Chromium	7440-47-3	<0.000525	0.00400	0.000525	mg/L	03.15.2021 17:03	U	1
Iron	7439-89-6	<0.0227	0.100	0.0227	mg/L	03.15.2021 17:03	U	1
Manganese	7439-96-5	<0.000199	0.00200	0.000199	mg/L	03.15.2021 17:03	U	1

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Flagging Criteria

X In our quality control review of the data a QC deficiency was observed and flagged as noted. MS/MSD recoveries were found to be outside of the laboratory control limits due to possible matrix /chemical interference, or a concentration of target analyte high enough to affect the recovery of the spike concentration. This condition could also affect the relative percent difference in the MS/MSD.

B A target analyte or common laboratory contaminant was identified in the method blank. Its presence indicates possible field or laboratory contamination.

D The sample(s) were diluted due to targets detected over the highest point of the calibration curve, or due to matrix interference. Dilution factors are included in the final results. The result is from a diluted sample.

E The data exceeds the upper calibration limit; therefore, the concentration is reported as estimated.

F RPD exceeded lab control limits.

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

U Analyte was not detected.

L The LCS data for this analytical batch was reported below the laboratory control limits for this analyte. The department supervisor and QA Director reviewed data. The samples were either reanalyzed or flagged as estimated concentrations.

H The LCS data for this analytical batch was reported above the laboratory control limits. Supporting QC Data were reviewed by the Department Supervisor and QA Director. Data were determined to be valid for reporting.

K Sample analyzed outside of recommended hold time.

JN A combination of the "N" and the "J" qualifier. The analysis indicates that the analyte is "tentatively identified" and the associated numerical value may not be consistent with the amount actually present in the environmental sample.

** Surrogate recovered outside laboratory control limit.

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

RL Reporting Limit

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

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

DL Method Detection Limit

NC Non-Calculable

SMP Client Sample **BLK** Method Blank

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

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

+ NELAC certification not offered for this compound.

* (Next to analyte name or method description) = Outside XENCO's scope of NELAC accreditation

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BS / BSD Recoveries

Project Name: Eunice Project - N Eunice

Work Order #: 691108 **Project ID:**

Analyst: CHE **Date Prepared:** 03.10.2021 **Date Analyzed:** 03.10.2021

Lab Batch ID: 3153273 **Sample:** 7723018-1-BKS **Batch #:** 1 **Matrix:** Water

Units: mg/L

BLANK /BLANK SPIKE / BLANK SPIKE DUPLICATE RECOVERY STUDY

Chloride by EPA 300 Analytes	Blank Sample Result [A]	Spike Added [B]	Blank Spike Result [C]	Blank Spike %R [D]	Spike Added [E]	Blank Spike Duplicate Result [F]	Blk. Spk Dup. %R [G]	RPD %	Control Limits %R	Control Limits %RPD	Flag
Chloride	<0.0210	25.0	24.2	97	25.0	24.1	96	0	90-110	20	

Analyst: CHE **Date Prepared:** 03.10.2021 **Date Analyzed:** 03.10.2021

Lab Batch ID: 3153132 **Sample:** 3153132-1-BKS **Batch #:** 1 **Matrix:** Water

Units: mg/L

BLANK /BLANK SPIKE / BLANK SPIKE DUPLICATE RECOVERY STUDY

Chromium, Hexavalent by SW 7196A Analytes	Blank Sample Result [A]	Spike Added [B]	Blank Spike Result [C]	Blank Spike %R [D]	Spike Added [E]	Blank Spike Duplicate Result [F]	Blk. Spk Dup. %R [G]	RPD %	Control Limits %R	Control Limits %RPD	Flag
Chromium, Hexavalent	<0.00273	0.0400	0.0405	101	0.0400	0.0407	102	0	85-115	20	

Analyst: SPC **Date Prepared:** 03.10.2021 **Date Analyzed:** 03.10.2021

Lab Batch ID: 3153133 **Sample:** 3153133-1-BKS **Batch #:** 1 **Matrix:** Water

Units: mg/L

BLANK /BLANK SPIKE / BLANK SPIKE DUPLICATE RECOVERY STUDY

Chromium, Hexavalent by SW 7196A Analytes	Blank Sample Result [A]	Spike Added [B]	Blank Spike Result [C]	Blank Spike %R [D]	Spike Added [E]	Blank Spike Duplicate Result [F]	Blk. Spk Dup. %R [G]	RPD %	Control Limits %R	Control Limits %RPD	Flag
Chromium, Hexavalent	<0.00273	0.0400	0.0380	95	0.0400	0.0388	97	2	85-115	20	

Relative Percent Difference RPD = 200*|(C-F)/(C+F)|
Blank Spike Recovery [D] = 100*(C)/[B]
Blank Spike Duplicate Recovery [G] = 100*(F)/[E]
All results are based on MDL and Validated for QC Purposes

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BS / BSD Recoveries

Project Name: Eunice Project - N Eunice

Work Order #: 691108 **Project ID:**

Analyst: SPC **Date Prepared:** 03.10.2021 **Date Analyzed:** 03.10.2021

Lab Batch ID: 3153134 **Sample:** 3153134-1-BKS **Batch #:** 1 **Matrix:** Water

Units: mg/L

BLANK /BLANK SPIKE / BLANK SPIKE DUPLICATE RECOVERY STUDY

Chromium, Hexavalent by SW 7196A Analytes	Blank Sample Result [A]	Spike Added [B]	Blank Spike Result [C]	Blank Spike %R [D]	Spike Added [E]	Blank Spike Duplicate Result [F]	Blk. Spk Dup. %R [G]	RPD %	Control Limits %R	Control Limits %RPD	Flag
Chromium, Hexavalent	<0.00273	0.0400	0.0386	97	0.0400	0.0385	96	0	85-115	20	

Analyst: DEP **Date Prepared:** 03.14.2021 **Date Analyzed:** 03.15.2021

Lab Batch ID: 3153749 **Sample:** 7723278-1-BKS **Batch #:** 1 **Matrix:** Water

Units: mg/L

BLANK /BLANK SPIKE / BLANK SPIKE DUPLICATE RECOVERY STUDY

(N) Dissolved Metals by SW6020A Analytes	Blank Sample Result [A]	Spike Added [B]	Blank Spike Result [C]	Blank Spike %R [D]	Spike Added [E]	Blank Spike Duplicate Result [F]	Blk. Spk Dup. %R [G]	RPD %	Control Limits %R	Control Limits %RPD	Flag
Arsenic	<0.000246	0.100	0.101	101	0.100	0.0999	100	1	80-120	20	
Chromium	<0.000525	0.100	0.0977	98	0.100	0.0983	98	1	80-120	20	
Iron	<0.0227	0.500	0.484	97	0.500	0.489	98	1	80-120	20	
Manganese	<0.000199	0.100	0.0990	99	0.100	0.0995	100	1	80-120	20	

Analyst: DTH **Date Prepared:** 03.11.2021 **Date Analyzed:** 03.11.2021

Lab Batch ID: 3153721 **Sample:** 3153721-1-BKS **Batch #:** 1 **Matrix:** Water

Units: mg/L

BLANK /BLANK SPIKE / BLANK SPIKE DUPLICATE RECOVERY STUDY

TDS by SM2540C Analytes	Blank Sample Result [A]	Spike Added [B]	Blank Spike Result [C]	Blank Spike %R [D]	Spike Added [E]	Blank Spike Duplicate Result [F]	Blk. Spk Dup. %R [G]	RPD %	Control Limits %R	Control Limits %RPD	Flag
Total Dissolved Solids	<25.0	1000	1000	100	1000	1010	101	1	90-110	10	

Relative Percent Difference RPD = 200*|(C-F)/(C+F)|
Blank Spike Recovery [D] = 100*(C)/[B]
Blank Spike Duplicate Recovery [G] = 100*(F)/[E]
All results are based on MDL and Validated for QC Purposes

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Form 3 - MS / MSD Recoveries

Project Name: Eunice Project - N Eunice

Report Date: 03172021
Project ID:

Work Order # : 691108

Lab Batch ID: 3153273 **QC- Sample ID:** 691108-010 S **Batch #:** 1 **Matrix:** Water
Date Analyzed: 03.10.2021 **Date Prepared:** 03.10.2021 **Analyst:** CHE
Reporting Units: mg/L

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY STUDY

Chloride by EPA 300 Analytes	Parent Sample Result [A]	Spike Added [B]	Spiked Sample Result [C]	Spiked Sample %R [D]	Spike Added [E]	Duplicate Spiked Sample Result [F]	Spiked Dup. %R [G]	RPD %	Control Limits %R	Control Limits %RPD	Flag
Chloride	576	1000	1520	94	1000	1520	94	0	90-110	20	

Lab Batch ID: 3153273 **QC- Sample ID:** 691110-002 S **Batch #:** 1 **Matrix:** Water
Date Analyzed: 03.11.2021 **Date Prepared:** 03.10.2021 **Analyst:** CHE
Reporting Units: mg/L

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY STUDY

Chloride by EPA 300 Analytes	Parent Sample Result [A]	Spike Added [B]	Spiked Sample Result [C]	Spiked Sample %R [D]	Spike Added [E]	Duplicate Spiked Sample Result [F]	Spiked Dup. %R [G]	RPD %	Control Limits %R	Control Limits %RPD	Flag
Chloride	536	250	766	92	250	764	91	0	90-110	20	

Lab Batch ID: 3153132 **QC- Sample ID:** 691110-001 S **Batch #:** 1 **Matrix:** Water
Date Analyzed: 03.10.2021 **Date Prepared:** 03.10.2021 **Analyst:** CHE
Reporting Units: mg/L

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY STUDY

Chromium, Hexavalent by SW 7196A Analytes	Parent Sample Result [A]	Spike Added [B]	Spiked Sample Result [C]	Spiked Sample %R [D]	Spike Added [E]	Duplicate Spiked Sample Result [F]	Spiked Dup. %R [G]	RPD %	Control Limits %R	Control Limits %RPD	Flag
Chromium, Hexavalent	<0.00273	0.200	0.172	86	0.200	0.172	86	0	75-125	20	

Matrix Spike Percent Recovery [D] = 100*(C-A) / B
Relative Percent Difference RPD = 200*|(C-F) / (C+F)|
Matrix Spike Duplicate Percent Recovery [G] = 100*(F-A) / E

ND = Not Detected, J = Present Below Reporting Limit, B = Present in Blank, NR = Not Requested, I = Interference, NA = Not Applicable
N = See Narrative, EQL = Estimated Quantitation Limit, NC = Non Calculable - Sample amount is > 4 times the amount spiked.

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Form 3 - MS / MSD Recoveries

Project Name: Eunice Project - N Eunice

Work Order # : 691108 **Report Date:** 03172021 **Project ID:**

Lab Batch ID: 3153133 **QC- Sample ID:** 691110-005 S **Batch #:** 1 **Matrix:** Water

Date Analyzed: 03.10.2021 **Date Prepared:** 03.10.2021 **Analyst:** SPC

Reporting Units: mg/L

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY STUDY

Chromium, Hexavalent by SW 7196A Analytes	Parent Sample Result [A]	Spike Added [B]	Spiked Sample Result [C]	Spiked Sample %R [D]	Spike Added [E]	Duplicate Spiked Sample Result [F]	Spiked Dup. %R [G]	RPD %	Control Limits %R	Control Limits %RPD	Flag
Chromium, Hexavalent	<0.00273	0.200	0.195	98	0.200	0.195	98	0	75-125	20	

Lab Batch ID: 3153134 **QC- Sample ID:** 691108-012 S **Batch #:** 1 **Matrix:** Water

Date Analyzed: 03.10.2021 **Date Prepared:** 03.10.2021 **Analyst:** SPC

Reporting Units: mg/L

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY STUDY

Chromium, Hexavalent by SW 7196A Analytes	Parent Sample Result [A]	Spike Added [B]	Spiked Sample Result [C]	Spiked Sample %R [D]	Spike Added [E]	Duplicate Spiked Sample Result [F]	Spiked Dup. %R [G]	RPD %	Control Limits %R	Control Limits %RPD	Flag
Chromium, Hexavalent	0.199	0.200	0.404	103	0.200	0.404	103	0	75-125	20	

Matrix Spike Percent Recovery [D] = 100*(C-A) / B
Relative Percent Difference RPD = 200*|(C-F) / (C+F)|

Matrix Spike Duplicate Percent Recovery [G] = 100*(F-A) / E

ND = Not Detected, J = Present Below Reporting Limit, B = Present in Blank, NR = Not Requested, I = Interference, NA = Not Applicable
N = See Narrative, EQL = Estimated Quantitation Limit, NC = Non Calculable - Sample amount is > 4 times the amount spiked.

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Form 3 - MS / MSD Recoveries

Project Name: Eunice Project - N Eunice

Work Order # : 691108

Report Date: 03172021

Project ID:

Lab Batch ID: 3153749

QC- Sample ID: 691108-001 S

Batch #: 1

Matrix: Water

Date Analyzed: 03.15.2021

Date Prepared: 03.14.2021

Analyst: DEP

Reporting Units: mg/L

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY STUDY

(N) Dissolved Metals by SW6020A Analytes	Parent Sample Result [A]	Spike Added [B]	Spiked Sample Result [C]	Spiked Sample %R [D]	Spike Added [E]	Duplicate Spiked Sample Result [F]	Spiked Dup. %R [G]	RPD %	Control Limits %R	Control Limits %RPD	Flag
Arsenic	0.0111	0.100	0.111	100	0.100	0.112	101	1	75-125	20	
Chromium	0.0556	0.100	0.156	100	0.100	0.162	106	4	75-125	20	
Iron	0.0926	0.500	0.577	97	0.500	0.605	102	5	75-125	20	
Manganese	0.00294	0.100	0.0999	97	0.100	0.102	99	2	75-125	20	

Matrix Spike Percent Recovery [D] = 100*(C-A) / B
Relative Percent Difference RPD = 200*|(C-F) / (C+F)|

Matrix Spike Duplicate Percent Recovery [G] = 100*(F-A) / E

ND = Not Detected, J = Present Below Reporting Limit, B = Present in Blank, NR = Not Requested, I = Interference, NA = Not Applicable
N = See Narrative, EQL = Estimated Quantitation Limit, NC = Non Calculable - Sample amount is > 4 times the amount spiked.

Method Duplicate

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Project Name: Eunice Project - N Eunice

Work Order #: 691108 **Report Date:** 03172021

Lab Batch #: 3153721 **Project ID:**

Date Analyzed: 03.11.2021 14:00 **Date Prepared:** 03.11.2021 **Analyst:** DTH

QC- Sample ID: 690472-001 D **Batch #:** 1 **Matrix:** Water

Reporting Units: mg/L

SAMPLE / SAMPLE DUPLICATE RECOVERY

TDS by SM2540C Analyte	Parent Sample Result [A]	Sample Duplicate Result [B]	RPD	Control Limits %RPD	Flag
Total Dissolved Solids	2820	2920	3	10	

Spike Relative Difference RPD 200 * | (B-A)/(B+A) |
All Results are based on MDL and validated for QC purposes.

BRL - Below Reporting Limit

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Chain of Custody

Work Order No: 691108

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

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:	303-471-2477 Email:	madisyn.frandsen@arcadis.com	

Work Order Comments

Program: UST/PST ☐ PRP ☐ Brownfields ☐ RRC ☐ Superfund ☐
State of Project:
Reporting:Level II ☐ Level III ☐ PST/UST ☐ TRRP ☐ Level IV ☐
Deliverables: EDD ☐ ADaPT ☐ Other:

Project Name:	Eunice Project-N. Eunice	Turn Around	
Project Number:	30049577	Routine	
P.O. Number:		Rush:	
Sampler's Name:	Gerry S. Longwell	Due Date:	

SAMPLE RECEIPT			
Temp Blank:	Yes (No)	Wet Ice:	(Yes) No
Temperature (°C):	3.4/3.9	Thermometer ID	
Received Intact:	(Yes) No	IR8	
Cooler Custody Seals:	Yes No (N/A)	Correction Factor:	0.5
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): Aresenic, Maganese, Iron & Chromium	TDS (SM2540C)	Chlorides (EPA 300.0)
MW086SA	W	030921	0822		3			X	X	X	X
MW071SA	W	030921	0852		3			X	X	X	X
MW065SA	W	030921	1004		3			X	X	X	X
EW010	W	030921	1031		3			X	X	X	X
EW008	W	030921	1055		3			X	X	X	X
MW066SA	W	030921	1117		3			X	X	X	X
MW073SA	W	030921	1136		3			X	X	X	X
MW072SA	W	030921	1154		3			X	X	X	X
EW023	W	030921	1247		3			X	X	X	X
DUP-1	W	030921	—		3			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
Gerry S. Longwell	J KRAMER	3/9/21 1758	2		
3			4		
5			6		

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Chain of Custody

Work Order No: 691108

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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

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:	303-471-2477	Email:	madisyn.frandsen@arcadis.com

Work Order Comments

Program: UST/PST ☐ PRP ☐ Brownfields ☐ RRC ☐ Superfund ☐
State of Project:
Reporting:Level II ☐ Level III ☐ PST/UST ☐ TRRP ☐ Level IV ☐
Deliverables: EDD ☐ ADaPT ☐ Other:

Project Name:	Eunice Project-N. Eunice	Turn Around	
Project Number:	30049577	Routine	
P.O. Number:		Rush:	
Sampler's Name:	Jerry S. Longwell	Due Date:	

SAMPLE RECEIPT				
Temp Blank:	Yes (No)	Wet Ice:	(Yes) No	
Temperature (°C):	3.4/3.9	Thermometer ID		
Received Intact:	(Yes) No		IR6	
Cooler Custody Seals:	Yes No (N/A)	Correction Factor:	0.5	
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): Aresenic, Maganese, Iron & Chromium	TDS (SM2540C)	Chlorides (EPA 300.0)
MW0985A	W	030521	1809					X	X	X	X
MW041A	W	030821	1824					X	X	X	X
MW0499A	W	030521	1358					X	X	X	X
MW0485A	W	030921	1427					X	X	X	X
DUP-2	W	030521	—					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
Jerry S. Longwell	J McKamey	3/9/21 1758	2		
3			4		
5			6		

Received by OCD: 3/21/2022 2:39:57 PM
Released to Imaging: 12/12/2022 10:42:57 AM
Final 1.000
Page 30 of 35

Released to Imaging: 12/12/2022 10:42:57 AM
Received by OCD: 3/21/2022 2:39:57 PM

Inter-Office Shipment

IOS Number : 79234

Date/Time:	03.10.2021	Created by:	Jessica Kramer	Please send report to:	John Builes
Lab# From:	**Midland**	Delivery Priority:	Delivered by Laboratory	Address:	1211 W. Florida Ave
Lab# To:	**El Paso**	Air Bill No.:		E-Mail:	john.builes@eurofinset.com

Sample Id	Matrix	Client Sample Id	Sample Collection	Method	Method Name	Lab Due	HT Due	PM	Analytes	Sign
691108-001	W	MW086 SA	03.09.2021 09:22	SM2540C	TDS by SM2540C	03.15.2021	**03.16.2021 09:22**	JHB	TDS	
691108-002	W	MW071 SA	03.09.2021 09:52	SM2540C	TDS by SM2540C	03.15.2021	**03.16.2021 09:52**	JHB	TDS	
691108-003	W	MW065 SA	03.09.2021 10:08	SM2540C	TDS by SM2540C	03.15.2021	**03.16.2021 10:08**	JHB	TDS	
691108-004	W	IW010	03.09.2021 10:31	SM2540C	TDS by SM2540C	03.15.2021	**03.16.2021 10:31**	JHB	TDS	
691108-005	W	IW008	03.09.2021 10:55	SM2540C	TDS by SM2540C	03.15.2021	**03.16.2021 10:55**	JHB	TDS	
691108-006	W	MW066 SA	03.09.2021 11:17	SM2540C	TDS by SM2540C	03.15.2021	**03.16.2021 11:17**	JHB	TDS	
691108-007	W	MW073 SA	03.09.2021 11:36	SM2540C	TDS by SM2540C	03.15.2021	**03.16.2021 11:36**	JHB	TDS	
691108-008	W	MW072 SA	03.09.2021 11:54	SM2540C	TDS by SM2540C	03.15.2021	**03.16.2021 11:54**	JHB	TDS	
691108-009	W	IW023	03.09.2021 12:47	SM2540C	TDS by SM2540C	03.15.2021	**03.16.2021 12:47**	JHB	TDS	
691108-010	W	DUP-1	03.09.2021 00:00	SM2540C	TDS by SM2540C	03.15.2021	**03.16.2021 00:00**	JHB	TDS	
691108-011	W	MW093 SA	03.09.2021 13:09	SM2540C	TDS by SM2540C	03.15.2021	**03.16.2021 13:09**	JHB	TDS	
691108-012	W	MW041 A	03.09.2021 13:24	SM2540C	TDS by SM2540C	03.15.2021	**03.16.2021 13:24**	JHB	TDS	
691108-013	W	MW049 SA	03.09.2021 13:58	SM2540C	TDS by SM2540C	03.15.2021	**03.16.2021 13:58**	JHB	TDS	
691108-014	W	MW048 SA	03.09.2021 14:27	SM2540C	TDS by SM2540C	03.15.2021	**03.16.2021 14:27**	JHB	TDS	
691108-015	W	DUP-2	03.09.2021 00:00	SM2540C	TDS by SM2540C	03.15.2021	**03.16.2021 00:00**	JHB	TDS	

Inter Office Shipment or Sample Comments:

Relinquished By: Jessica Kramer
Jessica Kramer

Date Relinquished: 03.10.2021

Received By: Erica Morales

Date Received: 03.11.2021

Cooler Temperature: 2.5

Released to Imaging: 12/12/2022 10:42:57 AM
Received by OCD: 3/21/2022 2:39:57 PM

Inter-Office Shipment

IOS Number : 79235

Date/Time: 03.10.2021
Lab# From: **Midland**
Lab# To: **Houston**
Created by: Jessica Kramer
Delivery Priority:
Air Bill No.: 773121615266

Please send report to: John Builes
Address: 1211 W. Florida Ave
E-Mail: john.builes@eurofinset.com

Sample Id	Matrix	Client Sample Id	Sample Collection	Method	Method Name	Lab Due	HT Due	PM	Analytes	Sign
691108-001	W	MW086 SA	03.09.2021 09:22	SW6020_DIS	(N) Dissolved Metals by SW6020A	03.15.2021	09.05.2021	JHB	AS CR FE MN	
691108-002	W	MW071 SA	03.09.2021 09:52	SW6020_DIS	(N) Dissolved Metals by SW6020A	03.15.2021	09.05.2021	JHB	AS CR FE MN	
691108-003	W	MW065 SA	03.09.2021 10:08	SW6020_DIS	(N) Dissolved Metals by SW6020A	03.15.2021	09.05.2021	JHB	AS CR FE MN	
691108-004	W	IW010	03.09.2021 10:31	SW6020_DIS	(N) Dissolved Metals by SW6020A	03.15.2021	09.05.2021	JHB	AS CR FE MN	
691108-005	W	IW008	03.09.2021 10:55	SW6020_DIS	(N) Dissolved Metals by SW6020A	03.15.2021	09.05.2021	JHB	AS CR FE MN	
691108-006	W	MW066 SA	03.09.2021 11:17	SW6020_DIS	(N) Dissolved Metals by SW6020A	03.15.2021	09.05.2021	JHB	AS CR FE MN	
691108-007	W	MW073 SA	03.09.2021 11:36	SW6020_DIS	(N) Dissolved Metals by SW6020A	03.15.2021	09.05.2021	JHB	AS CR FE MN	
691108-008	W	MW072 SA	03.09.2021 11:54	SW6020_DIS	(N) Dissolved Metals by SW6020A	03.15.2021	09.05.2021	JHB	AS CR FE MN	
691108-009	W	IW023	03.09.2021 12:47	SW6020_DIS	(N) Dissolved Metals by SW6020A	03.15.2021	09.05.2021	JHB	AS CR FE MN	
691108-010	W	DUP-1	03.09.2021 00:00	SW6020_DIS	(N) Dissolved Metals by SW6020A	03.15.2021	09.05.2021	JHB	AS CR FE MN	
691108-011	W	MW093 SA	03.09.2021 13:09	SW6020_DIS	(N) Dissolved Metals by SW6020A	03.15.2021	09.05.2021	JHB	AS CR FE MN	
691108-012	W	MW041 A	03.09.2021 13:24	SW6020_DIS	(N) Dissolved Metals by SW6020A	03.15.2021	09.05.2021	JHB	AS CR FE MN	
691108-013	W	MW049 SA	03.09.2021 13:58	SW6020_DIS	(N) Dissolved Metals by SW6020A	03.15.2021	09.05.2021	JHB	AS CR FE MN	
691108-014	W	MW048 SA	03.09.2021 14:27	SW6020_DIS	(N) Dissolved Metals by SW6020A	03.15.2021	09.05.2021	JHB	AS CR FE MN	
691108-015	W	DUP-2	03.09.2021 00:00	SW6020_DIS	(N) Dissolved Metals by SW6020A	03.15.2021	09.05.2021	JHB	AS CR FE MN	

Inter Office Shipment or Sample Comments:

Relinquished By: Jessica Kramer
Jessica Kramer

Date Relinquished: 03.10.2021

Received By: Jose F. Londono
Jose Londono

Date Received: 03.11.2021

Cooler Temperature: 3.8

Eurofins Xenco, LLC

Inter Office Report- Sample Receipt Checklist

Sent To: El Paso

IOS #: 79234

Acceptable Temperature Range: 0 - 6 degC
Air and Metal samples Acceptable Range: Ambient
Temperature Measuring device used : IR-4

Sent By: Jessica Kramer **Date Sent:** 03.10.2021 08.15 AM

Received By: Erica Morales **Date Received:** 03.11.2021 08.15 AM

Sample Receipt Checklist		Comments
#1 *Temperature of cooler(s)?	2.5	
#2 *Shipping container in good condition?	**Yes**	
#3 *Samples received with appropriate temperature?	**Yes**	
#4 *Custody Seals intact on shipping container/ cooler?	**N/A**	
#5 *Custody Seals Signed and dated for Containers/coolers	**N/A**	
#6 *IOS present?	**Yes**	
#7 Any missing/extra samples?	**No**	
#8 IOS agrees with sample label(s)/matrix?	**Yes**	
#9 Sample matrix/ properties agree with IOS?	**Yes**	
#10 Samples in proper container/ bottle?	**Yes**	
#11 Samples properly preserved?	**N/A**	
#12 Sample container(s) intact?	**Yes**	
#13 Sufficient sample amount for indicated test(s)?	**Yes**	
#14 All samples received within hold time?	**Yes**	

*** Must be completed for after-hours delivery of samples prior to placing in the refrigerator**

NonConformance:

Corrective Action Taken:

Nonconformance Documentation

Contact: _____ **Contacted by :** _____ **Date:** _____

Checklist reviewed by: _____ Date: 03.11.2021
Erica Morales

Eurofins Xenco, LLC

Inter Office Report- Sample Receipt Checklist

Sent To: Houston

IOS #: 79235

Acceptable Temperature Range: 0 - 6 degC
Air and Metal samples Acceptable Range: Ambient
Temperature Measuring device used : HOU-272

Sent By: Jessica Kramer **Date Sent:** 03.10.2021 08.15 AM

Received By: Jose Londono **Date Received:** 03.11.2021 11.38 AM

Sample Receipt Checklist		Comments
#1 *Temperature of cooler(s)?	3.8	
#2 *Shipping container in good condition?	**Yes**	
#3 *Samples received with appropriate temperature?	**Yes**	
#4 *Custody Seals intact on shipping container/ cooler?	**Yes**	
#5 *Custody Seals Signed and dated for Containers/coolers	**Yes**	
#6 *IOS present?	**Yes**	
#7 Any missing/extra samples?	**No**	
#8 IOS agrees with sample label(s)/matrix?	**Yes**	
#9 Sample matrix/ properties agree with IOS?	**Yes**	
#10 Samples in proper container/ bottle?	**Yes**	
#11 Samples properly preserved?	**Yes**	
#12 Sample container(s) intact?	**Yes**	
#13 Sufficient sample amount for indicated test(s)?	**Yes**	
#14 All samples received within hold time?	**Yes**	

*** Must be completed for after-hours delivery of samples prior to placing in the refrigerator**

NonConformance:

Corrective Action Taken:

Nonconformance Documentation

Contact: _____ **Contacted by :** _____ **Date:** _____

Checklist reviewed by: Jose Londono Date: 03.11.2021

Eurofins Xenco, LLC

Prelogin/Nonconformance Report- Sample Log-In

Client: ARCADIS

Date/ Time Received: 03.09.2021 05.58.00 PM

Work Order #: 691108

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

Temperature Measuring device used : IR8

Sample Receipt Checklist		Comments
#1 *Temperature of cooler(s)?		
#2 *Shipping container in good condition?	**Yes**	
#3 *Samples received on ice?	**Yes**	
#4 *Custody Seals intact on shipping container/ cooler?	**N/A**	
#5 Custody Seals intact on sample bottles?	**N/A**	
#6*Custody Seals Signed and dated?	**N/A**	
#7 *Chain of Custody present?	**Yes**	
#8 Any missing/extra samples?	**No**	
#9 Chain of Custody signed when relinquished/ received?	**Yes**	
#10 Chain of Custody agrees with sample labels/matrix?	**Yes**	
#11 Container label(s) legible and intact?	**Yes**	
#12 Samples in proper container/ bottle?	**Yes**	
#13 Samples properly preserved?	**Yes**	
#14 Sample container(s) intact?	**Yes**	
#15 Sufficient sample amount for indicated test(s)?	**Yes**	
#16 All samples received within hold time?	**Yes**	
#17 Subcontract of sample(s)?	**Yes**	Xenco Stafford
#18 Water VOC samples have zero headspace?	**N/A**	

*** Must be completed for after-hours delivery of samples prior to placing in the refrigerator**

Analyst: JKR PH Device/Lot#: 10BDH1991

Checklist completed by: Brianna Teel Date: 03.10.2021

Brianna Teel

Checklist reviewed by: Date: 03.17.2021

John Builes

ARCADIS Design & Consultancy for natural and built assets

Chevron North Eunice

DATA REVIEW

North Eunice, New Mexico

Volatile organic compounds, Total Petroleum Hydrocarbons, Metals and Miscellaneous Analyses

SDGs # 880-7143-1, 880-7223-1, 880-7249-1, and 880-7280-1

Analyses Performed By:
Xenco Laboratories

Midland, and Stafford TX

Report # 44115R
Review Level: Tier II
Project: 30109021.00003

DATA REVIEW REPORT

SUMMARY

This data quality assessment summarizes the review of Sample Delivery Groups (SDGs) # 880-7143-1, 880-7223-1, 880-7249-1, and 880-7280-1 for samples collected in association with the Chevron North 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
880-7143-1	MW-085SA-W-211012	880-7143-1	Water	10.12.2021				X	X
	MW-084SA-W-211012	880-7143-2	Water	10.12.2021				X	X
	MW-086SA-W-211012	880-7143-3	Water	10.12.2021				X	X
	MW-100-W-211012	880-7143-4	Water	10.12.2021				X	X
	MW-075SA-W-211012	880-7143-5	Water	10.12.2021				X	X
880-7223-1	MW-057SA-W-211013	880-7223-1	Water	10.13.2021				X	X
	MW-056SA-W-211013	880-7223-2	Water	10.13.2021				X	X
	MW-073SA-W-211013	880-7223-3	Water	10.13.2021				X	X
	MW-016A-W-211013	880-7223-4	Water	10.13.2021				X	X
	MW-050SA-W-211013	880-7223-5	Water	10.13.2021				X	X
	MW-049SA-W-211013	880-7223-6	Water	10.13.2021				X	X
	MW-054SA-W-211013	880-7223-7	Water	10.13.2021				X	X
	MW-067SA-W-211013	880-7223-8	Water	10.13.2021				X	X
	MW-018-W-211013	880-7223-9	Water	10.13.2021				X	X
880-7249-1	MW-093SA-W-211014	880-7249-1	Water	10.14.2021				X	X
	MW-015A-W-211014	880-7249-2	Water	10.14.2021				X	X
	MW-061-W-211014	880-7249-3	Water	10.14.2021				X	X
	MW-095-W-211014	880-7249-4	Water	10.14.2021				X	X
	MW-069-W-211014	880-7249-5	Water	10.14.2021				X	X
	MW-070-W-211014	880-7249-6	Water	10.14.2021				X	X
	MW-046A-W-211014	880-7249-7	Water	10.14.2021		X	X	X	X
	MW-043-W-211014	880-7249-8	Water	10.14.2021		X	X	X	X
	MW-013-W-211014	880-7249-9	Water	10.14.2021				X	X
	MW-032-W-211014	880-7249-10	Water	10.14.2021				X	X
	MW-023-W-211014	880-7249-11	Water	10.14.2021				X	X
	DUP-2-W-211014	880-7249-12	Water	10.14.2021	MW-061-W-211014			X	X

DATA REVIEW REPORT

SDGs	Sample ID	Lab ID	Matrix	Sample Collection Date	Parent Sample	Analysis			
						VOC	TPH	MET	MISC
	DUP-3-W-211014	880-7249-13	Water	10.14.2021	MW-095-W-211014			X	X
880-7280-1	MW-047-W-211015	880-7280-1	Water	10.15.2021				X	X
	MW-007A-W-211015	880-7280-2	Water	10.15.2021				X	X
	MW-011A-W-211015	880-7280-3	Water	10.15.2021				X	X
	MW-068-W-211015	880-7280-4	Water	10.15.2021				X	X
	DUP-1-W-211015	880-7280-5	Water	10.15.2021	MW-047-W-211015			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 8015 B (NM). Data were reviewed in accordance 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)	Cool to <6 °C; preserved to a pH of less than 2 s.u.

Note:

s.u. Standard units

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.

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.

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.

MS/MSD analysis was not performed on any of the 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.

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.

A field duplicate sample was not collected from sample locations associated with this SDG.

7. System Performance and Overall Assessment

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/MASS SPECTROMETRY (GC/MS)					
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

TOTAL PETROLEUM HYDROCARBONS ANALYSES

1. Holding Times

The specified holding times for the following methods are presented in the following table.

Method	Matrix	Holding Time	Preservation
TPH by SW-846 8015 B(NM)	Water	14 days from collection to extraction and 40 days from extraction to analysis	Cool to <6 °C

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.

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. The analysis requires surrogate compounds exhibit recoveries within the laboratory-established acceptance limits.

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 # 880-7249-1: MS/MSD analysis was performed on sample ID MW-046A-W-211014. MS/MSD analysis exhibited recoveries and RPDs within the laboratory established acceptance limits.

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 analysis must exhibit a percent recovery within the laboratory-established acceptance limits.

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.

A field duplicate sample was not collected from sample locations associated with this SDG.

7. System Performance and Overall Assessment

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 8015B (NM)	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, and 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.

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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.

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.

SDG# 880-7280-1: All analytes associated with the QA blanks exhibited a concentration less than the SDL, with the exception of the analytes 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) from the data. Sample results less than the BAL associated with the following sample locations were qualified as listed in the following table.

Sample ID	Analytes	Sample Result	Qualification
MW-047-W-211015	Manganese (MB)	Detected sample results <RL and <BAL	“UB” at the RL

Note:

RL Reporting limit

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# 880-7280-1: MS/MSD analysis was performed on sample MW-007A-W-211015, exhibited acceptable recoveries and RPDs.

DATA REVIEW REPORT

SDG# 880-7223-1: All analytes associated with MS/MSD recoveries were within control limits with the exception of the following analytes present in the table below.

Sample ID	Analyte	MS Recovery	MSD Recovery
MW-057SA-W-211013	Dissolved Chromium	73%	AC
	Dissolved Iron	74%	AC
	Dissolved Manganese	72%	74%

Note:
AC = Acceptable

The criteria used to evaluate MS/MSD recoveries are presented in the following table. In the case of an MS/MSD deviation, the sample results are qualified. The qualifications are applied to all sample results associated with the preparation batch.

Control limit	Sample Result	Qualification
MS/MSD percent recovery 30% to 74%	Non-detect	UJ
	Detect	J
MS/MSD percent recovery <30%	Non-detect	R
	Detect	J
MS/MSD percent recovery >125%	Non-detect	No Action
	Detect	J

Samples associated with MS/MSD recoveries exhibited an RPDs within the control limit for the analytical method SW-846 6020A.

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.

Laboratory duplicate analysis was not performed on any of the samples from these 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 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.

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SDGs	Sample ID/Duplicate ID	Analytes	Sample Result (mg/l)	Duplicate Result (mg/l)	RPD
880-7249-1	MW-061-W-211014 / DUP-2-W-211014	Arsenic	0.0104	0.0105	AC
		Chromium	0.946	0.736	25%
		Iron	0.0516 J	0.0250 J	AC
		Manganese	0.0454	0.0235	64%
	MW-095-W-211014 / DUP-3-W-211014	Arsenic	0.00841	0.00904	AC
		Chromium	3.73	3.54	5%
		Manganese	0.106	0.108	2%
880-7280-1	MW-047-W-211015 / DUP-1-W-211015	Arsenic	0.00926	0.0108 J	AC
		Chromium	0.0815	0.0891	AC
		Manganese	0.000387	0.00331	AC

Notes:
AC - Acceptable
The analyte Manganese associated with sample locations MW-061-W-211014 / DUP-2-W-211014 exhibited a field duplicate RPD greater than the control limit. The associated sample results from sample locations for the listed analyte were qualified as estimated.

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%.

The LCS/LCSD analysis exhibited recoveries within the control limits.

6. System Performance and Overall Assessment

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		
Lab Duplicate (RPD)	X				X
Field Duplicate (RPD)		X	X		
ICP Serial Dilution %D	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.

All samples were analyzed within the specified holding times.

Note: Sample MW-061-W-211014 and DUP-3-W-211014 were collected on 10/1/21 at 10:40am. Sample DUP-3-W-211014 required a dilution and the analysis was performed in holding time at 10:35 AM on 10/1/121. The mis qualification by the lab as removed.

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.

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 # 880-7143-1: MS/MSD analysis was performed on sample ID MW-100-W-211012 for hexavalent chromium analysis. MS/MSD analysis exhibited recoveries and RPDs within the control limits.

SDG # 880-7223-1: MS/MSD analysis was performed on sample ID MW-057SA-W-211013 for hexavalent chromium analysis. MS/MSD analysis exhibited recoveries and RPDs within the control limits.

SDG 880-7249-1: MS/MSD analysis was performed on sample ID MW-069-W-211014 and MW-032-W-211014 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# 880-7223-1: A laboratory duplicate analysis was performed on sample ID MW-018-W-211013 for total dissolved solids. Laboratory duplicate analysis exhibited RPDs within control limits.

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
880-7249-1	MW-061-W-211014 / DUP-2-W-211014	Chloride	995	980	2%
		Total Dissolved Solids	3460	4940	35%
		Chromium, Hexavalent	1.24	1.20	3%
	MW-095-W-211014 / DUP-3-W-211014	Chloride	1330	1340	1%
		Total Dissolved Solids	4610	4510	2%
		Chromium, Hexavalent	3.99	3.71	7%
880-7280-1	MW-047-W-211015 / DUP-1-W-211015	Chloride	241	248	3%
		Total Dissolved Solids	1730	1760	2%
		Chromium, Hexavalent	0.105	0.0967	8%

The Analyte Total Dissolved Solids associated with sample locations MW-061-W-211014 / DUP-2-W-211014 exhibited a field duplicate RPD greater than the control limit. The associated sample results from sample locations for the listed analyte were qualified as estimated.

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%.

The LCS/LCSD analysis exhibited recoveries within the control limits.

6. System Performance and Overall Assessment

DATA REVIEW REPORT

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.

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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	
Lab Duplicate (RPD)		X		X	
Field 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: Bhagyashree Fulzele

SIGNATURE:

DATE: January 10, 2022

PEER REVIEW: Dennis Capria

DATE: January 11, 2022

CHAIN OF CUSTODY

CORRECTED SAMPLE ANALYSIS DATA SHEETS

Released to Imaging: 12/12/2022 10:42:57 AM

Received by OCD: 3/21/2022 2:39:57 PM

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

Chain of Custody Record

eurofins Environment Testing America

880-7143 Chain of Custody

Client Information	Sampler: Daniel McGee	Lab PM: Builes John	Carrier Tracking No(s):
Client Contact: Callum Ferguson	Phone: 432-999-7980	E-Mail: john.builes@eurofinset.com	State of Origin:
Company: ARCADIS U S Inc.	PWSID:		
Address: 1004 North Big Spring Suite 300	Due Date Requested:		
City: Midland	TAT Requested (days):		
State Zip: TX, 79701	Compliance Project: Δ Yes Δ No		
Phone: 206-295-3273(Tel)	PO #: Purchase Order not required		
Email: Callum.Ferguson@arcadis.com	WO #:		
Project Name: Eunice Project	Project #: 88000209		
Site: North Eunice	SSOW#:		

Analysis Requested

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, 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 - Chloride	6020A - (MOD) Custom List	2540C_Calcd Local Method	8015MOD_NM - Full TPH	8021B BTEX	7196A - Local Method	Total Number of containers	Special Instructions/Note
			Preservation Code:				N	D	N	A	A	N		
MW-085SA-W-211012	101221	1425	G	W	X		X	X	X			X	4	
MW-084SA-W-211012	101221	1455	G	W	X		X	X	X			X	4	
MW-086SA-W-211012	101221	1512	G	W	X		X	X	X			X	4	4 ZnAm
MW-100-W-211012	101221	1331	G	W	X		X	X	X			X	4	
~~MW-075-W-211012~~ MW-075SA-W-211012	101221	1435	G	W	X		X	X	X			X	4	

101221

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
1		101221 / 1800	Arcadis	J Kramer	10.12.21 1800	
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: 12/1.3

Ver: 01/16/2019

Client Sample Results

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

Job ID: 880-7143-1

Client Sample ID: MW-085SA-W-211012

Lab Sample ID: 880-7143-1
Matrix: Water
Date Collected: 10/12/21 14:25
Date Received: 10/12/21 18:00

Method: 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	1390		5.00	2.00	mg/L			10/16/21 07:13	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		10/15/21 09:10	10/15/21 16:47	1
Chromium	0.0217		0.00400	0.000525	mg/L		10/15/21 09:10	10/15/21 16:47	1
Iron	<0.0227	U	0.100	0.0227	mg/L		10/15/21 09:10	10/15/21 16:47	1
Manganese	0.0432		0.00200	0.000199	mg/L		10/15/21 09:10	10/15/21 16:47	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	3270		40.0	40.0	mg/L			10/15/21 16:56	1

General Chemistry - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cr (VI)	0.0184		0.0100	0.00273	mg/L			10/13/21 12:18	1

Client Sample ID: MW-084SA-W-211012

Lab Sample ID: 880-7143-2
Matrix: Water
Date Collected: 10/12/21 14:55
Date Received: 10/12/21 18:00

Method: 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	1010		5.00	2.00	mg/L			10/16/21 07:24	10

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	0.00810		0.00400	0.000246	mg/L		10/15/21 09:10	10/15/21 16:50	1
Chromium	0.0164		0.00400	0.000525	mg/L		10/15/21 09:10	10/15/21 16:50	1
Iron	<0.0227	U	0.100	0.0227	mg/L		10/15/21 09:10	10/15/21 16:50	1
Manganese	0.000584	J	0.00200	0.000199	mg/L		10/15/21 09:10	10/15/21 16:50	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	2520		40.0	40.0	mg/L			10/15/21 16:56	1

General Chemistry - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cr (VI)	0.0195		0.0100	0.00273	mg/L			10/13/21 12:18	1

Client Sample ID: MW-086SA-W-211012

Lab Sample ID: 880-7143-3
Matrix: Water
Date Collected: 10/12/21 15:12
Date Received: 10/12/21 18:00

Method: 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	1400		5.00	2.00	mg/L			10/16/21 07:34	10

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	0.00811		0.00400	0.000246	mg/L		10/15/21 09:10	10/15/21 16:53	1
Chromium	0.0457		0.00400	0.000525	mg/L		10/15/21 09:10	10/15/21 16:53	1

Client Sample Results

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

Job ID: 880-7143-1

Client Sample ID: MW-086SA-W-211012

Lab Sample ID: 880-7143-3
Matrix: Water
Date Collected: 10/12/21 15:12
Date Received: 10/12/21 18:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Iron	<0.0227	U	0.100	0.0227	mg/L		10/15/21 09:10	10/15/21 16:53	1
Manganese	**0.00126**	**J**	0.00200	0.000199	mg/L		10/15/21 09:10	10/15/21 16:53	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	**3220**		40.0	40.0	mg/L			10/15/21 16:56	1

General Chemistry - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cr (VI)	**0.0568**		0.0100	0.00273	mg/L			10/13/21 12:18	1

Client Sample ID: MW-100-W-211012

Lab Sample ID: 880-7143-4
Matrix: Water
Date Collected: 10/12/21 13:31
Date Received: 10/12/21 18:00

Method: 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**888**		5.00	2.00	mg/L			10/16/21 07:44	10

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	**0.00634**		0.00400	0.000246	mg/L		10/15/21 09:10	10/15/21 16:56	1
Chromium	<0.000525	U	0.00400	0.000525	mg/L		10/15/21 09:10	10/15/21 16:56	1
Iron	<0.0227	U	0.100	0.0227	mg/L		10/15/21 09:10	10/15/21 16:56	1
Manganese	**0.416**		0.00200	0.000199	mg/L		10/15/21 09:10	10/15/21 16:56	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	**2260**		40.0	40.0	mg/L			10/15/21 16:56	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			10/13/21 12:18	1

Client Sample ID: MW-075SA-W-211012

Lab Sample ID: 880-7143-5
Matrix: Water
Date Collected: 10/12/21 14:35
Date Received: 10/12/21 18:00

Method: 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**518**		5.00	2.00	mg/L			10/16/21 07:55	10

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	**0.00995**		0.00400	0.000246	mg/L		10/15/21 09:10	10/15/21 16:59	1
Chromium	**0.0106**		0.00400	0.000525	mg/L		10/15/21 09:10	10/15/21 16:59	1
Iron	**0.0240**	**J**	0.100	0.0227	mg/L		10/15/21 09:10	10/15/21 16:59	1
Manganese	**0.000824**	**J**	0.00200	0.000199	mg/L		10/15/21 09:10	10/15/21 16:59	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	**1820**		20.0	20.0	mg/L			10/15/21 16:56	1

Client Sample Results

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

Job ID: 880-7143-1

Client Sample ID: MW-075SA-W-211012

Lab Sample ID: 880-7143-5

Date Collected: 10/12/21 14:35
Matrix: Water
Date Received: 10/12/21 18:00

General Chemistry - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cr (VI)	0.0114		0.0100	0.00273	mg/L			10/13/21 12:18	1

Released to Imaging: 12/12/2022 10:42:57 AM
Received by OCD: 3/21/2022 2:39:57 PM

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

Chain of Custody Record

880-7223 Chain of Custody

Client Information	Sampler: Justin Mclver	Lab PM: Builes John	Carrier Tracking No(	Page (or)
Client Contact: Callum Ferguson	Phone: 432-296-9547	E-Mail: john builes@eurofinset.com	State of Origin	Job #: 7273
Company: ARCADIS U S Inc	PWSID:			
Address: 1004 North Big Spring Suite 300	Due Date Requested			
City: Midland	TAT Requested (days)			
State Zip: TX 79701	Compliance Project: Δ Yes Δ No			
Phone: 206-295-3273(Tel)	PO #: Purchase Order not required			
Email: Callum Ferguson@arcadis com	WO #:			
Project Name: Eunice Project	Project #: 88000209			
Site: North 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	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 Chloride	6020A - (MOD) Custom List	2540C_Calcd - Local Method	8015MOD_NM - Full TPH	8021B - BTEX	7196A - Local Method	Total Number of containers	Special Instructions/Note.
			Preservation Code:				N	D	N	A	A	N		
MW-057SA-W-211013	10-13-21	1130	G	W			X	X	X			X		
MW-056SA -W-211013	10-13-21	1200	G	W			X	X	X			X		
MW-073SA - W- 211013	10-13-21	1225	G	W			X	X	X			X		
MW-016A - W- 211013	10-13-21	1305	G	W			X	X	X			X		
MW-050SA-W-211013	10-13-21	1345	G	W			X	X	X			X		
MW-049SA-W-211013	10-13-21	1430	G	W			X	X	X			X		
MW-054SA-W - 211013	10-13-21	1505	G	W			X	X	X			X		
MW-067SA-W- 211013	10-13-21	1550	G	W			X	X	X			X		
~~MW-078SA-W 211013~~	~~10-13-21~~		G	W			X	X	X			X		
MW-018- W- 211013	10-13-21	1705	G	W			X	X	X			X		

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
1		10/13/21	Arcadis		10.13 21	
2					734	
3						

Custody Seals Intact: Δ Yes Δ No | Custody Seal No

Cooler Temperature(s) °C and Other Remarks 2.0/2.1

Ver: 01/16/2019

Client Sample Results

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

Job ID: 880-7223-1

Client Sample ID: MW-057SA-W-211013

Lab Sample ID: 880-7223-1
Matrix: Water
Date Collected: 10/13/21 11:30
Date Received: 10/13/21 19:34

Method: 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	221		0.500	0.200	mg/L			10/20/21 01:24	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	0.0112		0.00400	0.000246	mg/L		10/18/21 09:48	10/18/21 21:29	1
Chromium	0.00865	~~F1~~ J	0.00400	0.000525	mg/L		10/18/21 09:48	10/18/21 21:29	1
Iron	<0.0227	~~U F1~~ UJ	0.100	0.0227	mg/L		10/18/21 09:48	10/18/21 21:29	1
Manganese	0.00230	~~F1~~ J	0.00200	0.000199	mg/L		10/18/21 09:48	10/18/21 21:29	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	1510		10.0	10.0	mg/L			10/19/21 11:04	1

General Chemistry - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cr (VI)	0.0114		0.0100	0.00273	mg/L			10/14/21 11:20	1

Client Sample ID: MW-056SA-W-211013

Lab Sample ID: 880-7223-2
Matrix: Water
Date Collected: 10/13/21 12:00
Date Received: 10/13/21 19:34

Method: 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	974		5.00	2.00	mg/L			10/21/21 02:48	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		10/18/21 09:48	10/18/21 21:51	1
Chromium	0.224	J	0.00400	0.000525	mg/L		10/18/21 09:48	10/18/21 21:51	1
Iron	<0.0227	~~U~~ UJ	0.100	0.0227	mg/L		10/18/21 09:48	10/18/21 21:51	1
Manganese	0.00131	J	0.00200	0.000199	mg/L		10/18/21 09:48	10/18/21 21:51	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	4560		40.0	40.0	mg/L			10/19/21 11:04	1

General Chemistry - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cr (VI)	0.287		0.0100	0.00273	mg/L			10/14/21 11:20	1

Client Sample ID: MW-073SA-W-211013

Lab Sample ID: 880-7223-3
Matrix: Water
Date Collected: 10/13/21 12:25
Date Received: 10/13/21 19:34

Method: 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	542		5.00	2.00	mg/L			10/20/21 02:16	10

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	0.00918		0.00400	0.000246	mg/L		10/18/21 09:48	10/18/21 21:54	1
Chromium	<0.000525	~~U~~ UJ	0.00400	0.000525	mg/L		10/18/21 09:48	10/18/21 21:54	1

Client Sample Results

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

Job ID: 880-7223-1

Client Sample ID: MW-073SA-W-211013

Lab Sample ID: 880-7223-3
Matrix: Water
Date Collected: 10/13/21 12:25
Date Received: 10/13/21 19:34

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Iron	<0.0227	~~U~~ UJ	0.100	0.0227	mg/L		10/18/21 09:48	10/18/21 21:54	1
Manganese	**0.00138**	**J**	0.00200	0.000199	mg/L		10/18/21 09:48	10/18/21 21:54	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	**2220**		20.0	20.0	mg/L			10/19/21 11:04	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			10/14/21 11:20	1

Client Sample ID: MW-016A-W-211013

Lab Sample ID: 880-7223-4
Matrix: Water
Date Collected: 10/13/21 13:05
Date Received: 10/13/21 19:34

Method: 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**615**		5.00	2.00	mg/L			10/20/21 02:36	10

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	**0.00724**		0.00400	0.000246	mg/L		10/18/21 09:48	10/18/21 21:57	1
Chromium	**0.00712**	J	0.00400	0.000525	mg/L		10/18/21 09:48	10/18/21 21:57	1
Iron	<0.0227	~~U~~ UJ	0.100	0.0227	mg/L		10/18/21 09:48	10/18/21 21:57	1
Manganese	**0.00142**	**J**	0.00200	0.000199	mg/L		10/18/21 09:48	10/18/21 21:57	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	**2320**		20.0	20.0	mg/L			10/19/21 11:04	1

General Chemistry - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cr (VI)	**0.00764**	**J**	0.0100	0.00273	mg/L			10/14/21 11:20	1

Client Sample ID: MW-050SA-W-211013

Lab Sample ID: 880-7223-5
Matrix: Water
Date Collected: 10/13/21 13:45
Date Received: 10/13/21 19:34

Method: 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**991**		5.00	2.00	mg/L			10/20/21 03:18	10

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	**0.00769**		0.00400	0.000246	mg/L		10/18/21 09:48	10/18/21 22:00	1
Chromium	**0.182**	J	0.00400	0.000525	mg/L		10/18/21 09:48	10/18/21 22:00	1
Iron	<0.0227	~~U~~ UJ	0.100	0.0227	mg/L		10/18/21 09:48	10/18/21 22:00	1
Manganese	**0.00345**	J	0.00200	0.000199	mg/L		10/18/21 09:48	10/18/21 22:00	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	**3670**		40.0	40.0	mg/L			10/19/21 11:04	1

Client Sample Results

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

Job ID: 880-7223-1

Client Sample ID: MW-050SA-W-211013

Lab Sample ID: 880-7223-5
Matrix: Water
Date Collected: 10/13/21 13:45
Date Received: 10/13/21 19:34

General Chemistry - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cr (VI)	0.321		0.0100	0.00273	mg/L			10/14/21 11:20	1

Client Sample ID: MW-049SA-W-211013

Lab Sample ID: 880-7223-6
Matrix: Water
Date Collected: 10/13/21 14:30
Date Received: 10/13/21 19:34

Method: 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	1190		5.00	2.00	mg/L			10/21/21 03:50	10

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	0.00960		0.00400	0.000246	mg/L		10/18/21 09:48	10/18/21 22:04	1
Chromium	0.184	J	0.00400	0.000525	mg/L		10/18/21 09:48	10/18/21 22:04	1
Iron	<0.0227	U UJ	0.100	0.0227	mg/L		10/18/21 09:48	10/18/21 22:04	1
Manganese	0.00231	J	0.00200	0.000199	mg/L		10/18/21 09:48	10/18/21 22:04	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	2480		40.0	40.0	mg/L			10/19/21 14:25	1

General Chemistry - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cr (VI)	0.238		0.0100	0.00273	mg/L			10/14/21 11:20	1

Client Sample ID: MW-054SA-W-211013

Lab Sample ID: 880-7223-7
Matrix: Water
Date Collected: 10/13/21 15:05
Date Received: 10/13/21 19:34

Method: 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	806		5.00	2.00	mg/L			10/21/21 04:11	10

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	0.00895		0.00400	0.000246	mg/L		10/18/21 09:48	10/18/21 22:07	1
Chromium	0.0962	J	0.00400	0.000525	mg/L		10/18/21 09:48	10/18/21 22:07	1
Iron	0.0353	J	0.100	0.0227	mg/L		10/18/21 09:48	10/18/21 22:07	1
Manganese	0.00278	J	0.00200	0.000199	mg/L		10/18/21 09:48	10/18/21 22:07	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	2140		20.0	20.0	mg/L			10/19/21 14:25	1

General Chemistry - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cr (VI)	0.119		0.0100	0.00273	mg/L			10/14/21 11:20	1

Client Sample Results

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

Job ID: 880-7223-1

Client Sample ID: MW-067SA-W-211013

Lab Sample ID: 880-7223-8
Matrix: Water
Date Collected: 10/13/21 15:50
Date Received: 10/13/21 19:34

Method: 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	182		0.500	0.200	mg/L			10/21/21 04:21	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		10/18/21 09:48	10/18/21 22:10	1
Chromium	<0.000525	~~U~~ UJ	0.00400	0.000525	mg/L		10/18/21 09:48	10/18/21 22:10	1
Iron	<0.0227	~~U~~ UJ	0.100	0.0227	mg/L		10/18/21 09:48	10/18/21 22:10	1
Manganese	0.00171	J	0.00200	0.000199	mg/L		10/18/21 09:48	10/18/21 22:10	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	928		10.0	10.0	mg/L			10/19/21 14:25	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			10/14/21 11:20	1

Client Sample ID: MW-018-W-211013

Lab Sample ID: 880-7223-9
Matrix: Water
Date Collected: 10/13/21 17:05
Date Received: 10/13/21 19:34

Method: 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	186		0.500	0.200	mg/L			10/21/21 05:03	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	0.00785		0.00400	0.000246	mg/L		10/18/21 09:48	10/18/21 22:13	1
Chromium	<0.000525	~~U~~ UJ	0.00400	0.000525	mg/L		10/18/21 09:48	10/18/21 22:13	1
Iron	<0.0227	~~U~~ UJ	0.100	0.0227	mg/L		10/18/21 09:48	10/18/21 22:13	1
Manganese	0.000515	J	0.00200	0.000199	mg/L		10/18/21 09:48	10/18/21 22:13	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	1090		10.0	10.0	mg/L			10/19/21 14:25	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			10/14/21 11:20	1

Released to Imaging: 12/12/2022 10:42:57 AM
Received by OCD: 3/21/2022 2:39:57 PM

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

Chain of Custody Record

eurofins

880-7249 Chain of Custody

Client Information	Sampler: Daniel McKee	Lab PM: Builes John	Carrier Tracking No:
Client Contact: Callum Ferguson	Phone: 432-999-2980	E-Mail: john.builes@eurofinset.com	State of Origin:
Company: ARCADIS U S Inc	PWSID:		
Address: 1004 North Big Spring Suite 300	Due Date Requested:		
City: Midland	TAT Requested (days):		
State, Zip: TX 79701	Compliance Project: Δ Yes Δ No		
Phone: 206-295-3273(Tel)	PO #: Purchase Order not required		
Email: Callum.Ferguson@arcadis.com	WO #:		
Project Name: Eunice Project	Project #: 88000209		
Site: North Eunice	SSOW#:		

Analysis Requested — 107-1

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, 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 - Chloride	6020A (MOD) Custom List	2540C_Calcd - Local Method	8015MOD_NM - Full TPH	8021B - BTEX	7196A - Local Method	Total Number of containers	Special Instructions/Note
			Preservation Code:				N	D	N	A	A	N		
MW-093SA-W211014	101421	0935	G	W									4	
MW-015A-W-211014	101421	1005	G	W									4	
MW-061-W-211014	101421	1040	G	W									4	
MW-095-W-211014	101421	1115	G	W									4	
MW-069-W-211014	101421	1208	G	W									4	
MW-070-W-211014	101421	1330	G	W									4	
MW-046A-W-211014	101421	1405	G	W									9	
MW-043-W-211014	101421	0935	G	W									9	
MW-013-W-211014	101421	1040	G	W									4	
MW-032-W-211014	101421	1135	G	W									4	
MW-023-W-211014	101421	1330	G	W									4	

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
1		101421/4.43	Arcadis		10 14 21 1644	
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: 3.0/3.1

Ver: 01/16/2019

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Released to Imaging: 12/12/2022 10:42:57 AM
Received by OCD: 3/21/2022 2:39:57 PM

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

Chain of Custody Record

eurofins Environment Testing America

Loc: 880
7249

Client Information	Sampler: Daniel McGee	Lab PM: Builes John	Carrier Tracking No(s):	COC No: 880-1
Client Contact: Callum Ferguson	Phone: 432-999-2980	E Mail: john builes@eurofinset com	State of Origin:	Page: Page
Company: ARCADIS U S Inc	PWSID:			Job #:
Address: 1004 North Big Spring Suite 300	Due Date Requested:			
City: Midland	TAT Requested (days):			
State Zip: TX, 79701	Compliance Project: Δ Yes Δ No			
Phone: 206-295-3273(Tel)	PO #: Purchase Order not required			
Email: Callum Ferguson@arcadis com	WO #:			
Project Name: Eunice Project	Project #: 88000209			
Site: North Eunice	SSOW#:			

Analysis Requested

Preservation Code: N D N A A N

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 Chloride	6020A - (MOD) Custom List	2540C_Calcd - Local Method	8015MOD_NM Full TPH	8021B BTEX	7196A Local Method	Total Number of containers	Special Instructions/Note
DUP-2-W-211014	101421	—	G	W	N		X	X	X			X	4	
DUP-3-W-211014	101421	—	G	W	N		X	X	X			X	4	

DM 101421

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
		10/14/21 / 1443	Arcadis	Kramer	10/14/21 1644	
	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: 3.0/3.1

Ver: 01/16/2019

Client Sample Results

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

Job ID: 880-7249-1

Client Sample ID: MW-093SA-W-211014

Lab Sample ID: 880-7249-1
Matrix: Water
Date Collected: 10/14/21 09:35
Date Received: 10/14/21 16:44

Method: 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	864		5.00	2.00	mg/L			10/21/21 06:47	10

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	0.00712		0.00400	0.000246	mg/L		10/18/21 09:48	10/18/21 22:29	1
Chromium	0.396		0.00400	0.000525	mg/L		10/18/21 09:48	10/18/21 22:29	1
Iron	<0.0227	U	0.100	0.0227	mg/L		10/18/21 09:48	10/18/21 22:29	1
Manganese	0.0334		0.00200	0.000199	mg/L		10/18/21 09:48	10/18/21 22:29	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	3890		40.0	40.0	mg/L			10/19/21 14:25	1

General Chemistry - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cr (VI)	0.482		0.0100	0.00273	mg/L			10/15/21 08:00	1

Client Sample ID: MW-015A-W-211014

Lab Sample ID: 880-7249-2
Matrix: Water
Date Collected: 10/14/21 10:05
Date Received: 10/14/21 16:44

Method: 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	3640		5.00	2.00	mg/L			10/21/21 07:07	10

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	0.00650		0.00400	0.000246	mg/L		10/18/21 09:48	10/18/21 22:32	1
Chromium	0.00413		0.00400	0.000525	mg/L		10/18/21 09:48	10/18/21 22:32	1
Iron	0.0739	J	0.100	0.0227	mg/L		10/18/21 09:48	10/18/21 22:32	1
Manganese	0.0129		0.00200	0.000199	mg/L		10/18/21 09:48	10/18/21 22:32	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	14200		100	100	mg/L			10/19/21 14:25	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			10/15/21 08:00	1

Client Sample ID: MW-061-W-211014

Lab Sample ID: 880-7249-3
Matrix: Water
Date Collected: 10/14/21 10:40
Date Received: 10/14/21 16:44

Method: 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	995		5.00	2.00	mg/L			10/21/21 07:49	10

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	0.0104		0.00400	0.000246	mg/L		10/18/21 09:48	10/18/21 22:35	1
Chromium	0.946		0.00400	0.000525	mg/L		10/18/21 09:48	10/18/21 22:35	1

Client Sample Results

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

Job ID: 880-7249-1

Client Sample ID: MW-061-W-211014

Lab Sample ID: 880-7249-3
Matrix: Water
Date Collected: 10/14/21 10:40
Date Received: 10/14/21 16:44

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Iron	0.0516	J	0.100	0.0227	mg/L		10/18/21 09:48	10/18/21 22:35	1
Manganese	0.0454	J	0.00200	0.000199	mg/L		10/18/21 09:48	10/18/21 22:35	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	3460	J	40.0	40.0	mg/L			10/19/21 14:25	1

General Chemistry - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cr (VI)	1.24		0.100	0.0273	mg/L			10/15/21 08:00	10

Client Sample ID: MW-095-W-211014

Lab Sample ID: 880-7249-4
Matrix: Water
Date Collected: 10/14/21 11:15
Date Received: 10/14/21 16:44

Method: 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	1330		5.00	2.00	mg/L			10/21/21 08:10	10

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	0.00841		0.00400	0.000246	mg/L		10/18/21 09:48	10/18/21 22:38	1
Chromium	3.73		0.0200	0.00262	mg/L		10/18/21 09:48	10/19/21 11:23	5
Iron	<0.0227	U	0.100	0.0227	mg/L		10/18/21 09:48	10/18/21 22:38	1
Manganese	0.106		0.00200	0.000199	mg/L		10/18/21 09:48	10/18/21 22:38	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	4610		40.0	40.0	mg/L			10/19/21 14:25	1

General Chemistry - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cr (VI)	3.99		0.100	0.0273	mg/L			10/15/21 08:00	10

Client Sample ID: MW-069-W-211014

Lab Sample ID: 880-7249-5
Matrix: Water
Date Collected: 10/14/21 12:08
Date Received: 10/14/21 16:44

Method: 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	2160		5.00	2.00	mg/L			10/21/21 08:30	10

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	0.00573		0.00400	0.000246	mg/L		10/18/21 09:48	10/18/21 22:41	1
Chromium	<0.000525	U	0.00400	0.000525	mg/L		10/18/21 09:48	10/18/21 22:41	1
Iron	0.170		0.100	0.0227	mg/L		10/18/21 09:48	10/18/21 22:41	1
Manganese	0.525		0.00200	0.000199	mg/L		10/18/21 09:48	10/18/21 22:41	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	13200		100	100	mg/L			10/19/21 14:25	1

Client Sample Results

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

Job ID: 880-7249-1

Client Sample ID: MW-069-W-211014

Lab Sample ID: 880-7249-5
Matrix: Water
Date Collected: 10/14/21 12:08
Date Received: 10/14/21 16:44

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			10/15/21 08:00	1

Client Sample ID: MW-070-W-211014

Lab Sample ID: 880-7249-6
Matrix: Water
Date Collected: 10/14/21 13:30
Date Received: 10/14/21 16:44

Method: 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**378**		0.500	0.200	mg/L			10/21/21 15:01	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	**0.0103**		0.00400	0.000246	mg/L		10/18/21 09:48	10/18/21 22:44	1
Chromium	<0.000525	U	0.00400	0.000525	mg/L		10/18/21 09:48	10/18/21 22:44	1
Iron	<0.0227	U	0.100	0.0227	mg/L		10/18/21 09:48	10/18/21 22:44	1
Manganese	**0.00281**		0.00200	0.000199	mg/L		10/18/21 09:48	10/18/21 22:44	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	**1310**		20.0	20.0	mg/L			10/20/21 20:34	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			10/15/21 08:00	1

Client Sample ID: MW-046A-W-211014

Lab Sample ID: 880-7249-7
Matrix: Water
Date Collected: 10/14/21 14:05
Date Received: 10/14/21 16:44

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			10/20/21 21:54	1
Toluene	<0.000367	U	0.00200	0.000367	mg/L			10/20/21 21:54	1
Ethylbenzene	<0.000657	U	0.00200	0.000657	mg/L			10/20/21 21:54	1
m-Xylene & p-Xylene	<0.000629	U	0.00400	0.000629	mg/L			10/20/21 21:54	1
o-Xylene	<0.000642	U	0.00200	0.000642	mg/L			10/20/21 21:54	1
Xylenes, Total	<0.000642	U	0.00400	0.000642	mg/L			10/20/21 21:54	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*102*		*70 - 130*		*10/20/21 21:54*	*1*
1,4-Difluorobenzene (Surr)	*106*		*70 - 130*		*10/20/21 21:54*	*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			10/25/21 18:48	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<0.926	U	4.69	0.926	mg/L			10/25/21 19:23	1

Client Sample Results

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

Job ID: 880-7249-1

Client Sample ID: MW-046A-W-211014

Lab Sample ID: 880-7249-7
Matrix: Water
Date Collected: 10/14/21 14:05
Date Received: 10/14/21 16:44

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	<0.926	U	4.69	0.926	mg/L		10/23/21 09:35	10/23/21 22:17	1
Diesel Range Organics (Over C10-C28)	<0.926	U	4.69	0.926	mg/L		10/23/21 09:35	10/23/21 22:17	1
Oil Range Organics (Over C28-C36)	<0.894	U	4.69	0.894	mg/L		10/23/21 09:35	10/23/21 22:17	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*109*		*70 - 130*	*10/23/21 09:35*	*10/23/21 22:17*	*1*
o-Terphenyl	*117*		*70 - 130*	*10/23/21 09:35*	*10/23/21 22:17*	*1*

Method: 300.0 - Anions, Ion Chromatography - DL

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**642**		5.00	2.00	mg/L			10/21/21 15:33	10

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	**0.00875**		0.00400	0.000246	mg/L		10/18/21 09:48	10/18/21 22:47	1
Chromium	**1.51**		0.00400	0.000525	mg/L		10/18/21 09:48	10/18/21 22:47	1
Iron	<0.0227	U	0.100	0.0227	mg/L		10/18/21 09:48	10/18/21 22:47	1
Manganese	**0.00403**		0.00200	0.000199	mg/L		10/18/21 09:48	10/18/21 22:47	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	**3310**		40.0	40.0	mg/L			10/20/21 20:32	1

General Chemistry - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cr (VI)	**2.23**		0.0500	0.0137	mg/L			10/15/21 08:00	5

Client Sample ID: MW-043-W-211014

Lab Sample ID: 880-7249-8
Matrix: Water
Date Collected: 10/14/21 09:35
Date Received: 10/14/21 16:44

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			10/20/21 22:20	1
Toluene	<0.000367	U	0.00200	0.000367	mg/L			10/20/21 22:20	1
Ethylbenzene	<0.000657	U	0.00200	0.000657	mg/L			10/20/21 22:20	1
m-Xylene & p-Xylene	<0.000629	U	0.00400	0.000629	mg/L			10/20/21 22:20	1
o-Xylene	<0.000642	U	0.00200	0.000642	mg/L			10/20/21 22:20	1
Xylenes, Total	<0.000642	U	0.00400	0.000642	mg/L			10/20/21 22:20	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*91*		*70 - 130*		*10/20/21 22:20*	*1*
1,4-Difluorobenzene (Surr)	*90*		*70 - 130*		*10/20/21 22:20*	*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			10/25/21 18:48	1

Client Sample Results

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

Job ID: 880-7249-1

Client Sample ID: MW-043-W-211014

Lab Sample ID: 880-7249-8
Matrix: Water
Date Collected: 10/14/21 09:35
Date Received: 10/14/21 16:44

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	**1.83**	**J**	4.59	0.906	mg/L			10/25/21 19:23	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	<0.906	U	4.59	0.906	mg/L		10/23/21 09:35	10/23/21 23:19	1
Diesel Range Organics (Over C10-C28)	**0.922**	**J**	4.59	0.906	mg/L		10/23/21 09:35	10/23/21 23:19	1
Oil Range Organics (Over C28-C36)	**0.906**	**J**	4.59	0.875	mg/L		10/23/21 09:35	10/23/21 23:19	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*110*		*70 - 130*	*10/23/21 09:35*	*10/23/21 23:19*	*1*
o-Terphenyl	*121*		*70 - 130*	*10/23/21 09:35*	*10/23/21 23:19*	*1*

Method: 300.0 - Anions, Ion Chromatography - DL

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**740**		5.00	2.00	mg/L			10/21/21 16:16	10

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	**0.00490**		0.00400	0.000246	mg/L		10/18/21 09:48	10/18/21 22:51	1
Chromium	**0.000639**	**J**	0.00400	0.000525	mg/L		10/18/21 09:48	10/18/21 22:51	1
Iron	**0.0824**	**J**	0.100	0.0227	mg/L		10/18/21 09:48	10/18/21 22:51	1
Manganese	**0.500**		0.00200	0.000199	mg/L		10/18/21 09:48	10/18/21 22:51	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	**1850**		20.0	20.0	mg/L			10/20/21 20:34	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			10/15/21 08:00	1

Client Sample ID: MW-013-W-211014

Lab Sample ID: 880-7249-9
Matrix: Water
Date Collected: 10/14/21 10:40
Date Received: 10/14/21 16:44

Method: 300.0 - Anions, Ion Chromatography - DL

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**760**		5.00	2.00	mg/L			10/21/21 16:37	10

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	**0.00578**		0.00400	0.000246	mg/L		10/19/21 08:41	10/21/21 00:40	1
Chromium	**0.536**		0.00400	0.000525	mg/L		10/19/21 08:41	10/21/21 14:08	1
Iron	<0.0227	U	0.100	0.0227	mg/L		10/19/21 08:41	10/21/21 00:40	1
Manganese	**0.000524**	**J**	0.00200	0.000199	mg/L		10/19/21 08:41	10/21/21 00:40	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	**2740**		40.0	40.0	mg/L			10/20/21 20:34	1

Client Sample Results

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

Job ID: 880-7249-1

Client Sample ID: MW-013-W-211014

Lab Sample ID: 880-7249-9
Matrix: Water
Date Collected: 10/14/21 10:40
Date Received: 10/14/21 16:44

General Chemistry - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cr (VI)	1.71		0.0500	0.0137	mg/L			10/15/21 08:00	5

Client Sample ID: MW-032-W-211014

Lab Sample ID: 880-7249-10
Matrix: Water
Date Collected: 10/14/21 11:35
Date Received: 10/14/21 16:44

Method: 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	308		0.500	0.200	mg/L			10/21/21 10:59	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	0.00377	J	0.0400	0.00246	mg/L		10/21/21 09:28	10/22/21 13:47	10
Chromium	<0.00525	U	0.0400	0.00525	mg/L		10/21/21 09:28	10/22/21 13:47	10
Iron	<0.227	U	1.00	0.227	mg/L		10/21/21 09:28	10/22/21 13:47	10
Manganese	0.00129	J	0.00200	0.000199	mg/L		10/25/21 10:52	10/25/21 19:27	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	1340		20.0	20.0	mg/L			10/21/21 10:59	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			10/15/21 10:35	1

Client Sample ID: MW-023-W-211014

Lab Sample ID: 880-7249-11
Matrix: Water
Date Collected: 10/14/21 13:30
Date Received: 10/14/21 16:44

Method: 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	750		5.00	2.00	mg/L			10/21/21 08:51	10

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	0.00727		0.00400	0.000246	mg/L		10/19/21 08:41	10/21/21 00:31	1
Chromium	3.14		0.0200	0.00262	mg/L		10/19/21 08:41	10/21/21 13:59	5
Iron	<0.0227	U	0.100	0.0227	mg/L		10/19/21 08:41	10/21/21 00:31	1
Manganese	0.000969	J	0.00200	0.000199	mg/L		10/19/21 08:41	10/21/21 00:31	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	3560		40.0	40.0	mg/L			10/19/21 14:25	1

General Chemistry - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cr (VI)	3.61		0.100	0.0273	mg/L			10/15/21 10:35	10

Client Sample Results

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

Job ID: 880-7249-1

Client Sample ID: DUP-2-W-211014

Lab Sample ID: 880-7249-12
Matrix: Water
Date Collected: 10/14/21 00:00
Date Received: 10/14/21 16:44

Method: 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	980		5.00	2.00	mg/L			10/21/21 09:12	10

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	0.0105		0.00400	0.000246	mg/L		10/19/21 08:41	10/21/21 00:34	1
Chromium	0.736		0.00400	0.000525	mg/L		10/19/21 08:41	10/21/21 14:02	1
Iron	0.0250	J	0.100	0.0227	mg/L		10/19/21 08:41	10/21/21 00:34	1
Manganese	0.0235	J	0.00200	0.000199	mg/L		10/19/21 08:41	10/21/21 00:34	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	4940	J	40.0	40.0	mg/L			10/19/21 14:27	1

General Chemistry - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cr (VI)	1.20	H	0.100	0.0273	mg/L			10/15/21 10:35	10

Client Sample ID: DUP-3-W-211014

Lab Sample ID: 880-7249-13
Matrix: Water
Date Collected: 10/14/21 00:00
Date Received: 10/14/21 16:44

Method: 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	1340		5.00	2.00	mg/L			10/21/21 09:53	10

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	0.00904		0.00400	0.000246	mg/L		10/19/21 08:41	10/21/21 00:37	1
Chromium	3.54		0.0200	0.00262	mg/L		10/19/21 08:41	10/21/21 14:05	5
Iron	<0.0227	U	0.100	0.0227	mg/L		10/19/21 08:41	10/21/21 00:37	1
Manganese	0.108		0.00200	0.000199	mg/L		10/19/21 08:41	10/21/21 00:37	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	4510		40.0	40.0	mg/L			10/19/21 14:27	1

General Chemistry - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cr (VI)	3.71	H	0.100	0.0273	mg/L			10/15/21 10:35	10

Released to Imaging: 12/12/2022 10:42:57 AM
Received by OCD: 3/21/2022 2:39:57 PM

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

Chain of Custody Record

eurofins Environment Testing America

880-7280 Chain of Custody

Client Information	Sampler: Daniel McVee	Lab PM: Builes John	Carrier Tracking No(s):
Client Contact: Callum Ferguson	Phone: 432-999-2980	E-Mail: john builes@eurofinset.com	State of Origin:
Company: ARCADIS U S Inc	PWSID:		
Address: 1004 North Big Spring Suite 300	Due Date Requested:		
City: Midland	TAT Requested (days):		
State Zip: TX, 79701	Compliance Project: Δ Yes Δ No		
Phone: 206-295-3273(Tel)	PO #: Purchase Order not required		
Email: Callum Ferguson@arcadis com	WO #:		
Project Name: Eunice Project	Project #: 88000209		
Site	SSOW#:		

Analysis Requested

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, 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 Chloride	6020A (MOD) Custom List	2540C_Calcd - Local Method	8015MOD_NM - Full TPH	8021B - BTEX	7196A Local Method	Total Number of containers	Special Instructions/Note.
			Preservation Code:				N	D	N	A	A	N		
MW-047-W-211015	101521	1010	G	W	X		X	Q	X			X	4	
MW-007A-W-211015	101521	1030	G	W	X		X	Y	X			X	4	
MW-011A-W-211015	101521	1045	G	W	X		X	Y	X			X	4	
MW-068-W-211015	101521	1135	G	W	X		X	Y	X			X	4	
DUP-1-W-211015	101521	—	G	W	X		X	X	X			X	4	

101521

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
	101521 / 4:33	Arcadis		10 15 21 1633	
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 2.6/2.7

Ver: 01/16/2019

Client Sample Results

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

Job ID: 880-7280-1

Client Sample ID: MW-047-W-211015

Lab Sample ID: 880-7280-1
Matrix: Water
Date Collected: 10/15/21 10:10
Date Received: 10/15/21 16:33

Method: 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	241		0.500	0.200	mg/L			10/22/21 14:38	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	0.00926		0.00400	0.000246	mg/L		10/20/21 09:02	10/21/21 16:25	1
Chromium	0.0815		0.00400	0.000525	mg/L		10/20/21 09:02	10/21/21 16:25	1
Iron	<0.0227	U	0.100	0.0227	mg/L		10/20/21 09:02	10/21/21 16:25	1
Manganese	~~0.000387~~	~~J B~~	0.00200	UB 0.000199	mg/L		10/20/21 09:02	10/21/21 16:25	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	1730		20.0	20.0	mg/L			10/20/21 20:34	1

General Chemistry - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cr (VI)	0.105		0.0100	0.00273	mg/L			10/15/21 18:34	1

Client Sample ID: MW-007A-W-211015

Lab Sample ID: 880-7280-2
Matrix: Water
Date Collected: 10/15/21 10:30
Date Received: 10/15/21 16:33

Method: 300.0 - Anions, Ion Chromatography - DL

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	797		5.00	2.00	mg/L			10/21/21 19:09	10

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	0.0117	J	0.0400	0.00246	mg/L		10/21/21 09:28	10/22/21 13:28	10
Chromium	0.719		0.0400	0.00525	mg/L		10/21/21 09:28	10/22/21 13:28	10
Iron	<0.227	U	1.00	0.227	mg/L		10/21/21 09:28	10/22/21 13:28	10
Manganese	0.00248		0.00200	0.000199	mg/L		10/25/21 10:52	10/25/21 19:14	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	4230		40.0	40.0	mg/L			10/20/21 20:34	1

General Chemistry - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cr (VI)	0.809		0.0500	0.0137	mg/L			10/15/21 18:34	5

Client Sample ID: MW-011A-W-211015

Lab Sample ID: 880-7280-3
Matrix: Water
Date Collected: 10/15/21 10:45
Date Received: 10/15/21 16:33

Method: 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	334		0.500	0.200	mg/L			10/21/21 19:19	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	0.0164	J	0.0400	0.00246	mg/L		10/21/21 09:28	10/22/21 13:38	10
Chromium	0.0295	J	0.0400	0.00525	mg/L		10/21/21 09:28	10/22/21 13:38	10

Client Sample Results

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

Job ID: 880-7280-1

Client Sample ID: MW-011A-W-211015

Lab Sample ID: 880-7280-3
Matrix: Water
Date Collected: 10/15/21 10:45
Date Received: 10/15/21 16:33

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Iron	<0.227	U	1.00	0.227	mg/L		10/21/21 09:28	10/22/21 13:38	10
Manganese	**0.00389**		0.00200	0.000199	mg/L		10/25/21 10:52	10/25/21 19:17	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	**1410**		20.0	20.0	mg/L			10/20/21 20:32	1

General Chemistry - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cr (VI)	**0.0205**		0.0100	0.00273	mg/L			10/15/21 18:34	1

Client Sample ID: MW-068-W-211015

Lab Sample ID: 880-7280-4
Matrix: Water
Date Collected: 10/15/21 11:35
Date Received: 10/15/21 16:33

Method: 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**6970**		50.0	20.0	mg/L			10/22/21 14:59	100

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	**0.0133**	**J**	0.0400	0.00246	mg/L		10/21/21 09:28	10/22/21 13:41	10
Chromium	<0.00525	U	0.0400	0.00525	mg/L		10/21/21 09:28	10/22/21 13:41	10
Iron	<0.227	U	1.00	0.227	mg/L		10/21/21 09:28	10/22/21 13:41	10
Manganese	**0.742**		0.00200	0.000199	mg/L		10/25/21 10:52	10/25/21 19:20	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	**1910**		20.0	20.0	mg/L			10/20/21 20:34	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			10/15/21 18:34	1

Client Sample ID: DUP-1-W211015

Lab Sample ID: 880-7280-5
Matrix: Water
Date Collected: 10/15/21 00:00
Date Received: 10/15/21 16:33

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			10/21/21 20:23	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	**0.0108**	**J**	0.0400	0.00246	mg/L		10/21/21 09:28	10/22/21 13:44	10
Chromium	**0.0891**		0.0400	0.00525	mg/L		10/21/21 09:28	10/22/21 13:44	10
Iron	<0.227	U	1.00	0.227	mg/L		10/21/21 09:28	10/22/21 13:44	10
Manganese	**0.00331**		0.00200	0.000199	mg/L		10/25/21 10:52	10/25/21 19:23	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	**1760**		20.0	20.0	mg/L			10/20/21 20:34	1

Client Sample Results

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

Job ID: 880-7280-1

Client Sample ID: DUP-1-W211015
Date Collected: 10/15/21 00:00
Date Received: 10/15/21 16:33

Lab Sample ID: 880-7280-5
Matrix: Water

General Chemistry - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cr (VI)	0.0967		0.0100	0.00273	mg/L			10/15/21 18:34	1

eurofins | Environment Testing America

ANALYTICAL REPORT

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

Laboratory Job ID: 880-7249-1
Client Project/Site: North Eunice Project

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

Attn: Rebecca Andresen

Authorized for release by:
10/26/2021 8:13:55 PM

John Builes, Project Manager
(281)240-4200
john.builes@eurofinset.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: North Eunice Project

Laboratory Job ID: 880-7249-1

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Definitions/Glossary

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

Job ID: 880-7249-1

Qualifiers

GC VOA

Qualifier	Qualifier Description
S1-	Surrogate recovery exceeds control limits, low 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
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
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: North Eunice Project

Job ID: 880-7249-1

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: North Eunice Project

Job ID: 880-7249-1

Job ID: 880-7249-1

Laboratory: Eurofins Xenco, Midland

Narrative

Job Narrative
880-7249-1

Receipt
The samples were received on 10/14/2021 4:44 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 3.1°C

GC VOA
Method 8021B: Surrogate recovery for the following sample was outside control limits: (MB 880-9936/8). 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
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 matrix spike / matrix spike duplicate (MS/MSD) recoveries for analytical batch 860-27436 were outside control limits. Sample matrix interference is suspected because the associated laboratory control sample (LCS) recovery was within acceptance limits.

Method 300_ORGFM_28D: The method blank for analytical batch 860-27436 contained <AffectedAnalyte> above the method detection limit. This target analyte concentration was less than half the reporting limit (1/2RL); 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.

Metals
Method 6020A: The following sample was diluted to bring the concentration of target analytes within the calibration range: MW-095-W-211014 (880-7249-4). Elevated reporting limits (RLs) are provided.

Method 6020A: The following samples were diluted to bring the concentration of target analytes within the calibration range: MW-023-W-211014 (880-7249-11) and DUP-3-W211014 (880-7249-13). Elevated reporting limits (RLs) are provided.

Method 6020A: The following sample needs to be re-digested/re-extracted due to Manganese contamination in the method blank: MW-032-W-211014 (880-7249-10).

Method 6020A: The following sample was diluted due to the nature of the sample matrix: MW-032-W-211014 (880-7249-10). 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
No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

Released to Imaging: 12/12/2022 10:42:57 AM

Client Sample Results

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

Job ID: 880-7249-1

Client Sample ID: MW-093SA-W-211014

Lab Sample ID: 880-7249-1
Matrix: Water
Date Collected: 10/14/21 09:35
Date Received: 10/14/21 16:44

Method: 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	864		5.00	2.00	mg/L			10/21/21 06:47	10

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	0.00712		0.00400	0.000246	mg/L		10/18/21 09:48	10/18/21 22:29	1
Chromium	0.396		0.00400	0.000525	mg/L		10/18/21 09:48	10/18/21 22:29	1
Iron	<0.0227	U	0.100	0.0227	mg/L		10/18/21 09:48	10/18/21 22:29	1
Manganese	0.0334		0.00200	0.000199	mg/L		10/18/21 09:48	10/18/21 22:29	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	3890		40.0	40.0	mg/L			10/19/21 14:25	1

General Chemistry - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cr (VI)	0.482		0.0100	0.00273	mg/L			10/15/21 08:00	1

Client Sample ID: MW-015A-W-211014

Lab Sample ID: 880-7249-2
Matrix: Water
Date Collected: 10/14/21 10:00
Date Received: 10/14/21 16:44

Method: 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	3640		5.00	2.00	mg/L			10/21/21 07:07	10

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	0.00650		0.00400	0.000246	mg/L		10/18/21 09:48	10/18/21 22:32	1
Chromium	0.00413		0.00400	0.000525	mg/L		10/18/21 09:48	10/18/21 22:32	1
Iron	0.0739	J	0.100	0.0227	mg/L		10/18/21 09:48	10/18/21 22:32	1
Manganese	0.0129		0.00200	0.000199	mg/L		10/18/21 09:48	10/18/21 22:32	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	14200		100	100	mg/L			10/19/21 14:25	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			10/15/21 08:00	1

Client Sample ID: MW-061-W-211014

Lab Sample ID: 880-7249-3
Matrix: Water
Date Collected: 10/14/21 10:40
Date Received: 10/14/21 16:44

Method: 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	995		5.00	2.00	mg/L			10/21/21 07:49	10

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	0.0104		0.00400	0.000246	mg/L		10/18/21 09:48	10/18/21 22:35	1
Chromium	0.946		0.00400	0.000525	mg/L		10/18/21 09:48	10/18/21 22:35	1

Client Sample Results

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

Job ID: 880-7249-1

Client Sample ID: MW-061-W-211014

Lab Sample ID: 880-7249-3
Matrix: Water
Date Collected: 10/14/21 10:40
Date Received: 10/14/21 16:44

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Iron	0.0516	J	0.100	0.0227	mg/L		10/18/21 09:48	10/18/21 22:35	1
Manganese	0.0454		0.00200	0.000199	mg/L		10/18/21 09:48	10/18/21 22:35	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	3460		40.0	40.0	mg/L			10/19/21 14:25	1

General Chemistry - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cr (VI)	1.24		0.100	0.0273	mg/L			10/15/21 08:00	10

Client Sample ID: MW-095-W-211014

Lab Sample ID: 880-7249-4
Matrix: Water
Date Collected: 10/14/21 11:15
Date Received: 10/14/21 16:44

Method: 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	1330		5.00	2.00	mg/L			10/21/21 08:10	10

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	0.00841		0.00400	0.000246	mg/L		10/18/21 09:48	10/18/21 22:38	1
Chromium	3.73		0.0200	0.00262	mg/L		10/18/21 09:48	10/19/21 11:23	5
Iron	<0.0227	U	0.100	0.0227	mg/L		10/18/21 09:48	10/18/21 22:38	1
Manganese	0.106		0.00200	0.000199	mg/L		10/18/21 09:48	10/18/21 22:38	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	4610		40.0	40.0	mg/L			10/19/21 14:25	1

General Chemistry - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cr (VI)	3.99		0.100	0.0273	mg/L			10/15/21 08:00	10

Client Sample ID: MW-069-W-211014

Lab Sample ID: 880-7249-5
Matrix: Water
Date Collected: 10/14/21 12:08
Date Received: 10/14/21 16:44

Method: 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	2160		5.00	2.00	mg/L			10/21/21 08:30	10

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	0.00573		0.00400	0.000246	mg/L		10/18/21 09:48	10/18/21 22:41	1
Chromium	<0.000525	U	0.00400	0.000525	mg/L		10/18/21 09:48	10/18/21 22:41	1
Iron	0.170		0.100	0.0227	mg/L		10/18/21 09:48	10/18/21 22:41	1
Manganese	0.525		0.00200	0.000199	mg/L		10/18/21 09:48	10/18/21 22:41	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	13200		100	100	mg/L			10/19/21 14:25	1

Client Sample Results

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

Job ID: 880-7249-1

Client Sample ID: MW-069-W-211014

Lab Sample ID: 880-7249-5
Matrix: Water
Date Collected: 10/14/21 12:08
Date Received: 10/14/21 16:44

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			10/15/21 08:00	1

Client Sample ID: MW-070-W-211014

Lab Sample ID: 880-7249-6
Matrix: Water
Date Collected: 10/14/21 13:30
Date Received: 10/14/21 16:44

Method: 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**378**		0.500	0.200	mg/L			10/21/21 15:01	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	**0.0103**		0.00400	0.000246	mg/L		10/18/21 09:48	10/18/21 22:44	1
Chromium	<0.000525	U	0.00400	0.000525	mg/L		10/18/21 09:48	10/18/21 22:44	1
Iron	<0.0227	U	0.100	0.0227	mg/L		10/18/21 09:48	10/18/21 22:44	1
Manganese	**0.00281**		0.00200	0.000199	mg/L		10/18/21 09:48	10/18/21 22:44	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	**1310**		20.0	20.0	mg/L			10/20/21 20:34	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			10/15/21 08:00	1

Client Sample ID: MW-046A-W-211014

Lab Sample ID: 880-7249-7
Matrix: Water
Date Collected: 10/14/21 14:05
Date Received: 10/14/21 16:44

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			10/20/21 21:54	1
Toluene	<0.000367	U	0.00200	0.000367	mg/L			10/20/21 21:54	1
Ethylbenzene	<0.000657	U	0.00200	0.000657	mg/L			10/20/21 21:54	1
m-Xylene & p-Xylene	<0.000629	U	0.00400	0.000629	mg/L			10/20/21 21:54	1
o-Xylene	<0.000642	U	0.00200	0.000642	mg/L			10/20/21 21:54	1
Xylenes, Total	<0.000642	U	0.00400	0.000642	mg/L			10/20/21 21:54	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*102*		*70 - 130*		*10/20/21 21:54*	*1*
1,4-Difluorobenzene (Surr)	*106*		*70 - 130*		*10/20/21 21:54*	*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			10/25/21 18:48	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<0.926	U	4.69	0.926	mg/L			10/25/21 19:23	1

Client Sample Results

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

Job ID: 880-7249-1

Client Sample ID: MW-046A-W-211014

Lab Sample ID: 880-7249-7
Matrix: Water
Date Collected: 10/14/21 14:05
Date Received: 10/14/21 16:44

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	<0.926	U	4.69	0.926	mg/L		10/23/21 09:35	10/23/21 22:17	1
Diesel Range Organics (Over C10-C28)	<0.926	U	4.69	0.926	mg/L		10/23/21 09:35	10/23/21 22:17	1
OII Range Organics (Over C28-C36)	<0.894	U	4.69	0.894	mg/L		10/23/21 09:35	10/23/21 22:17	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*109*		*70 - 130*	*10/23/21 09:35*	*10/23/21 22:17*	*1*
o-Terphenyl	*117*		*70 - 130*	*10/23/21 09:35*	*10/23/21 22:17*	*1*

Method: 300.0 - Anions, Ion Chromatography - DL

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**642**		5.00	2.00	mg/L			10/21/21 15:33	10

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	**0.00875**		0.00400	0.000246	mg/L		10/18/21 09:48	10/18/21 22:47	1
Chromium	**1.51**		0.00400	0.000525	mg/L		10/18/21 09:48	10/18/21 22:47	1
Iron	<0.0227	U	0.100	0.0227	mg/L		10/18/21 09:48	10/18/21 22:47	1
Manganese	**0.00403**		0.00200	0.000199	mg/L		10/18/21 09:48	10/18/21 22:47	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	**3310**		40.0	40.0	mg/L			10/20/21 20:32	1

General Chemistry - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cr (VI)	**2.23**		0.0500	0.0137	mg/L			10/15/21 08:00	5

Client Sample ID: MW-043-W-211014

Lab Sample ID: 880-7249-8
Matrix: Water
Date Collected: 10/14/21 09:35
Date Received: 10/14/21 16:44

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			10/20/21 22:20	1
Toluene	<0.000367	U	0.00200	0.000367	mg/L			10/20/21 22:20	1
Ethylbenzene	<0.000657	U	0.00200	0.000657	mg/L			10/20/21 22:20	1
m-Xylene & p-Xylene	<0.000629	U	0.00400	0.000629	mg/L			10/20/21 22:20	1
o-Xylene	<0.000642	U	0.00200	0.000642	mg/L			10/20/21 22:20	1
Xylenes, Total	<0.000642	U	0.00400	0.000642	mg/L			10/20/21 22:20	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*91*		*70 - 130*		*10/20/21 22:20*	*1*
1,4-Difluorobenzene (Surr)	*90*		*70 - 130*		*10/20/21 22:20*	*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			10/25/21 18:48	1

Client Sample Results

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

Job ID: 880-7249-1

Client Sample ID: MW-043-W-211014

Lab Sample ID: 880-7249-8
Matrix: Water
Date Collected: 10/14/21 09:35
Date Received: 10/14/21 16:44

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	**1.83**	**J**	4.59	0.906	mg/L			10/25/21 19:23	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	<0.906	U	4.59	0.906	mg/L		10/23/21 09:35	10/23/21 23:19	1
Diesel Range Organics (Over C10-C28)	**0.922**	**J**	4.59	0.906	mg/L		10/23/21 09:35	10/23/21 23:19	1
Oil Range Organics (Over C28-C36)	**0.906**	**J**	4.59	0.875	mg/L		10/23/21 09:35	10/23/21 23:19	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*110*		*70 - 130*	*10/23/21 09:35*	*10/23/21 23:19*	*1*
o-Terphenyl	*121*		*70 - 130*	*10/23/21 09:35*	*10/23/21 23:19*	*1*

Method: 300.0 - Anions, Ion Chromatography - DL

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**740**		5.00	2.00	mg/L			10/21/21 16:16	10

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	**0.00490**		0.00400	0.000246	mg/L		10/18/21 09:48	10/18/21 22:51	1
Chromium	**0.000639**	**J**	0.00400	0.000525	mg/L		10/18/21 09:48	10/18/21 22:51	1
Iron	**0.0824**	**J**	0.100	0.0227	mg/L		10/18/21 09:48	10/18/21 22:51	1
Manganese	**0.500**		0.00200	0.000199	mg/L		10/18/21 09:48	10/18/21 22:51	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	**1850**		20.0	20.0	mg/L			10/20/21 20:34	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			10/15/21 08:00	1

Client Sample ID: MW-013-W-211014

Lab Sample ID: 880-7249-9
Matrix: Water
Date Collected: 10/14/21 10:40
Date Received: 10/14/21 16:44

Method: 300.0 - Anions, Ion Chromatography - DL

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**760**		5.00	2.00	mg/L			10/21/21 16:37	10

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	**0.00578**		0.00400	0.000246	mg/L		10/19/21 08:41	10/21/21 00:40	1
Chromium	**0.536**		0.00400	0.000525	mg/L		10/19/21 08:41	10/21/21 14:08	1
Iron	<0.0227	U	0.100	0.0227	mg/L		10/19/21 08:41	10/21/21 00:40	1
Manganese	**0.000524**	**J**	0.00200	0.000199	mg/L		10/19/21 08:41	10/21/21 00:40	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	**2740**		40.0	40.0	mg/L			10/20/21 20:34	1

Client Sample Results

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

Job ID: 880-7249-1

Client Sample ID: MW-013-W-211014

Lab Sample ID: 880-7249-9
Matrix: Water
Date Collected: 10/14/21 10:40
Date Received: 10/14/21 16:44

General Chemistry - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cr (VI)	1.71		0.0500	0.0137	mg/L			10/15/21 08:00	5

Client Sample ID: MW-032-W-211014

Lab Sample ID: 880-7249-10
Matrix: Water
Date Collected: 10/14/21 11:35
Date Received: 10/14/21 16:44

Method: 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	308		0.500	0.200	mg/L			10/21/21 10:59	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	0.00377	J	0.0400	0.00246	mg/L		10/21/21 09:28	10/22/21 13:47	10
Chromium	<0.00525	U	0.0400	0.00525	mg/L		10/21/21 09:28	10/22/21 13:47	10
Iron	<0.227	U	1.00	0.227	mg/L		10/21/21 09:28	10/22/21 13:47	10
Manganese	0.00129	J	0.00200	0.000199	mg/L		10/25/21 10:52	10/25/21 19:27	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	1340		20.0	20.0	mg/L			10/21/21 10:59	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			10/15/21 10:35	1

Client Sample ID: MW-023-W-211014

Lab Sample ID: 880-7249-11
Matrix: Water
Date Collected: 10/14/21 13:30
Date Received: 10/14/21 16:44

Method: 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	750		5.00	2.00	mg/L			10/21/21 08:51	10

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	0.00727		0.00400	0.000246	mg/L		10/19/21 08:41	10/21/21 00:31	1
Chromium	3.14		0.0200	0.00262	mg/L		10/19/21 08:41	10/21/21 13:59	5
Iron	<0.0227	U	0.100	0.0227	mg/L		10/19/21 08:41	10/21/21 00:31	1
Manganese	0.000969	J	0.00200	0.000199	mg/L		10/19/21 08:41	10/21/21 00:31	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	3560		40.0	40.0	mg/L			10/19/21 14:25	1

General Chemistry - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cr (VI)	3.61		0.100	0.0273	mg/L			10/15/21 10:35	10

Client Sample Results

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

Job ID: 880-7249-1

Client Sample ID: DUP-2-W211014

Lab Sample ID: 880-7249-12
Matrix: Water
Date Collected: 10/14/21 00:00
Date Received: 10/14/21 16:44

Method: 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	980		5.00	2.00	mg/L			10/21/21 09:12	10

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	0.0105		0.00400	0.000246	mg/L		10/19/21 08:41	10/21/21 00:34	1
Chromium	0.736		0.00400	0.000525	mg/L		10/19/21 08:41	10/21/21 14:02	1
Iron	0.0250	J	0.100	0.0227	mg/L		10/19/21 08:41	10/21/21 00:34	1
Manganese	0.0235		0.00200	0.000199	mg/L		10/19/21 08:41	10/21/21 00:34	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	4940		40.0	40.0	mg/L			10/19/21 14:27	1

General Chemistry - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cr (VI)	1.20	H	0.100	0.0273	mg/L			10/15/21 10:35	10

Client Sample ID: DUP-3-W211014

Lab Sample ID: 880-7249-13
Matrix: Water
Date Collected: 10/14/21 00:00
Date Received: 10/14/21 16:44

Method: 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	1340		5.00	2.00	mg/L			10/21/21 09:53	10

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	0.00904		0.00400	0.000246	mg/L		10/19/21 08:41	10/21/21 00:37	1
Chromium	3.54		0.0200	0.00262	mg/L		10/19/21 08:41	10/21/21 14:05	5
Iron	<0.0227	U	0.100	0.0227	mg/L		10/19/21 08:41	10/21/21 00:37	1
Manganese	0.108		0.00200	0.000199	mg/L		10/19/21 08:41	10/21/21 00:37	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	4510		40.0	40.0	mg/L			10/19/21 14:27	1

General Chemistry - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cr (VI)	3.71	H	0.100	0.0273	mg/L			10/15/21 10:35	10

Surrogate Summary

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

Job ID: 880-7249-1

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)
880-7249-7	MW-046A-W-211014	102	106
880-7249-8	MW-043-W-211014	91	90
LCS 880-9936/3	Lab Control Sample	89	109
LCSD 880-9936/4	Lab Control Sample Dup	93	105
MB 880-9936/8	Method Blank	60 S1-	92

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)
880-7249-7	MW-046A-W-211014	109	117
880-7249-7 MS	MW-046A-W-211014	116	122
880-7249-7 MSD	MW-046A-W-211014	112	113
880-7249-8	MW-043-W-211014	110	121
LCS 880-10319/2-A	Lab Control Sample	88	91
LCSD 880-10319/3-A	Lab Control Sample Dup	92	99
MB 880-10319/1-A	Method Blank	139 S1+	151 S1+

Surrogate Legend

1CO = 1-Chlorooctane
OTPH = o-Terphenyl

QC Sample Results

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

Job ID: 880-7249-1

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-9936/8
Matrix: Water
Analysis Batch: 9936

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			10/20/21 14:01	1
Toluene	<0.000367	U	0.00200	0.000367	mg/L			10/20/21 14:01	1
Ethylbenzene	<0.000657	U	0.00200	0.000657	mg/L			10/20/21 14:01	1
m-Xylene & p-Xylene	<0.000629	U	0.00400	0.000629	mg/L			10/20/21 14:01	1
o-Xylene	<0.000642	U	0.00200	0.000642	mg/L			10/20/21 14:01	1
Xylenes, Total	<0.000642	U	0.00400	0.000642	mg/L			10/20/21 14:01	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*60*	*S1-*	*70 - 130*		*10/20/21 14:01*	*1*
1,4-Difluorobenzene (Surr)	*92*		*70 - 130*		*10/20/21 14:01*	*1*

Lab Sample ID: LCS 880-9936/3
Matrix: Water
Analysis Batch: 9936

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	0.09418		mg/L		94	70 - 130		
Toluene			0.100	0.1004		mg/L		100	70 - 130		
Ethylbenzene			0.100	0.09588		mg/L		96	70 - 130		
m-Xylene & p-Xylene			0.200	0.1885		mg/L		94	70 - 130		
o-Xylene			0.100	0.09721		mg/L		97	70 - 130		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*89*		*70 - 130*
1,4-Difluorobenzene (Surr)	*109*		*70 - 130*

Lab Sample ID: LCSD 880-9936/4
Matrix: Water
Analysis Batch: 9936

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	0.08533		mg/L		85	70 - 130	10	20
Toluene			0.100	0.09115		mg/L		91	70 - 130	10	20
Ethylbenzene			0.100	0.08712		mg/L		87	70 - 130	10	20
m-Xylene & p-Xylene			0.200	0.1706		mg/L		85	70 - 130	10	20
o-Xylene			0.100	0.08803		mg/L		88	70 - 130	10	20

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*93*		*70 - 130*
1,4-Difluorobenzene (Surr)	*105*		*70 - 130*

QC Sample Results

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

Job ID: 880-7249-1

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

Lab Sample ID: MB 880-10319/1-A
Matrix: Water
Analysis Batch: 10315

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 10319

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<0.926	U	4.69	0.926	mg/L		10/23/21 09:35	10/23/21 21:12	1
Diesel Range Organics (Over C10-C28)	<0.926	U	4.69	0.926	mg/L		10/23/21 09:35	10/23/21 21:12	1
Oil Range Organics (Over C28-C36)	<0.894	U	4.69	0.894	mg/L		10/23/21 09:35	10/23/21 21:12	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*139*	*S1+*	*70 - 130*	*10/23/21 09:35*	*10/23/21 21:12*	*1*
o-Terphenyl	*151*	*S1+*	*70 - 130*	*10/23/21 09:35*	*10/23/21 21:12*	*1*

Lab Sample ID: LCS 880-10319/2-A
Matrix: Water
Analysis Batch: 10315

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 10319

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Gasoline Range Organics (GRO)-C6-C10	93.8	73.06		mg/L		78	75 - 125
Diesel Range Organics (Over C10-C28)	93.8	94.02		mg/L		100	75 - 125

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1-Chlorooctane	*88*		*70 - 130*
o-Terphenyl	*91*		*70 - 130*

Lab Sample ID: LCSD 880-10319/3-A
Matrix: Water
Analysis Batch: 10315

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 10319

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	93.8	73.92		mg/L		79	75 - 125	1	20
Diesel Range Organics (Over C10-C28)	93.8	106.8		mg/L		114	75 - 125	13	20

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
1-Chlorooctane	*92*		*70 - 130*
o-Terphenyl	*99*		*70 - 130*

Lab Sample ID: 880-7249-7 MS
Matrix: Water
Analysis Batch: 10315

Client Sample ID: MW-046A-W-211014
Prep Type: Total/NA
Prep Batch: 10319

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Gasoline Range Organics (GRO)-C6-C10	<0.926	U	93.8	81.78		mg/L		87	75 - 125
Diesel Range Organics (Over C10-C28)	<0.926	U	93.8	99.82		mg/L		106	75 - 125

QC Sample Results

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

Job ID: 880-7249-1

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

Lab Sample ID: 880-7249-7 MS
Matrix: Water
Analysis Batch: 10315

Client Sample ID: MW-046A-W-211014
Prep Type: Total/NA
Prep Batch: 10319

Surrogate	MS %Recovery	MS Qualifier	Limits
1-Chlorooctane	116		70 - 130
o-Terphenyl	122		70 - 130

Lab Sample ID: 880-7249-7 MSD
Matrix: Water
Analysis Batch: 10315

Client Sample ID: MW-046A-W-211014
Prep Type: Total/NA
Prep Batch: 10319

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	<0.926	U	90.9	80.17		mg/L		88	75 - 125	2	20
Diesel Range Organics (Over C10-C28)	<0.926	U	90.9	91.14		mg/L		100	75 - 125	9	20

Surrogate	MSD %Recovery	MSD Qualifier	Limits
1-Chlorooctane	112		70 - 130
o-Terphenyl	113		70 - 130

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 860-27436/54
Matrix: Water
Analysis Batch: 27436

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			10/21/21 05:44	1

Lab Sample ID: LCS 860-27436/55
Matrix: Water
Analysis Batch: 27436

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	9.881		mg/L		99	90 - 110

Lab Sample ID: LCSD 860-27436/56
Matrix: Water
Analysis Batch: 27436

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	9.968		mg/L		100	90 - 110	1	20

Lab Sample ID: MB 860-27471/3
Matrix: Water
Analysis Batch: 27471

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			10/21/21 09:10	1

QC Sample Results

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

Job ID: 880-7249-1

Method: 300.0 - Anions, Ion Chromatography (Continued)

Lab Sample ID: LCS 860-27471/4
Matrix: Water
Analysis Batch: 27471

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	10.37		mg/L		104	90 - 110

Lab Sample ID: LCSD 860-27471/5
Matrix: Water
Analysis Batch: 27471

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	9.931		mg/L		99	90 - 110	4	20

Method: 6020A - Metals (ICP/MS)

Lab Sample ID: MB 860-26948/1-A
Matrix: Water
Analysis Batch: 27111

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 26948

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.000246	U	0.00400	0.000246	mg/L		10/18/21 09:48	10/18/21 21:20	1
Chromium	<0.000525	U	0.00400	0.000525	mg/L		10/18/21 09:48	10/18/21 21:20	1
Iron	<0.0227	U	0.100	0.0227	mg/L		10/18/21 09:48	10/18/21 21:20	1
Manganese	<0.000199	U	0.00200	0.000199	mg/L		10/18/21 09:48	10/18/21 21:20	1

Lab Sample ID: LCS 860-26948/2-A
Matrix: Water
Analysis Batch: 27111

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 26948

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Arsenic	0.100	0.1008		mg/L		101	80 - 120
Chromium	0.100	0.09686		mg/L		97	80 - 120
Iron	0.500	0.4864		mg/L		97	80 - 120
Manganese	0.100	0.1024		mg/L		102	80 - 120

Lab Sample ID: LCSD 860-26948/3-A
Matrix: Water
Analysis Batch: 27111

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 26948

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Arsenic	0.100	0.09930		mg/L		99	80 - 120	1	20
Chromium	0.100	0.09602		mg/L		96	80 - 120	1	20
Iron	0.500	0.4879		mg/L		98	80 - 120	0	20
Manganese	0.100	0.09992		mg/L		100	80 - 120	2	20

Lab Sample ID: MB 860-27100/1-A
Matrix: Water
Analysis Batch: 27515

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 27100

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.000246	U	0.00400	0.000246	mg/L		10/19/21 08:40	10/20/21 23:07	1
Chromium	<0.000525	U	0.00400	0.000525	mg/L		10/19/21 08:40	10/20/21 23:07	1
Iron	<0.0227	U	0.100	0.0227	mg/L		10/19/21 08:40	10/20/21 23:07	1
Manganese	<0.000199	U	0.00200	0.000199	mg/L		10/19/21 08:40	10/20/21 23:07	1

QC Sample Results

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

Job ID: 880-7249-1

Method: 6020A - Metals (ICP/MS)

Lab Sample ID: LCS 860-27100/2-A
Matrix: Water
Analysis Batch: 27515

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 27100

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Arsenic	0.100	0.1005		mg/L		101	80 - 120
Chromium	0.100	0.09658		mg/L		97	80 - 120
Iron	0.500	0.4882		mg/L		98	80 - 120
Manganese	0.100	0.09709		mg/L		97	80 - 120

Lab Sample ID: LCSD 860-27100/3-A
Matrix: Water
Analysis Batch: 27515

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 27100

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Arsenic	0.100	0.1032		mg/L		103	80 - 120	3	20
Chromium	0.100	0.09935		mg/L		99	80 - 120	3	20
Iron	0.500	0.4975		mg/L		100	80 - 120	2	20
Manganese	0.100	0.09930		mg/L		99	80 - 120	2	20

Lab Sample ID: MB 860-27509/1-A
Matrix: Water
Analysis Batch: 27742

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 27509

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.000246	U	0.00400	0.000246	mg/L		10/21/21 09:27	10/22/21 11:41	1
Chromium	<0.000525	U	0.00400	0.000525	mg/L		10/21/21 09:27	10/22/21 11:41	1
Iron	<0.0227	U	0.100	0.0227	mg/L		10/21/21 09:27	10/22/21 11:41	1

Lab Sample ID: LCS 860-27509/2-A
Matrix: Water
Analysis Batch: 27742

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 27509

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Arsenic	0.100	0.09826		mg/L		98	80 - 120
Chromium	0.100	0.09442		mg/L		94	80 - 120
Iron	0.500	0.4675		mg/L		94	80 - 120

Lab Sample ID: LCSD 860-27509/3-A
Matrix: Water
Analysis Batch: 27742

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 27509

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Arsenic	0.100	0.09757		mg/L		98	80 - 120	1	20
Chromium	0.100	0.09376		mg/L		94	80 - 120	1	20
Iron	0.500	0.4701		mg/L		94	80 - 120	1	20

Lab Sample ID: MB 860-27950/1-A
Matrix: Water
Analysis Batch: 28092

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 27950

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.000246	U	0.00400	0.000246	mg/L		10/25/21 10:52	10/25/21 17:20	1
Chromium	<0.000525	U	0.00400	0.000525	mg/L		10/25/21 10:52	10/25/21 17:20	1
Iron	<0.0227	U	0.100	0.0227	mg/L		10/25/21 10:52	10/25/21 17:20	1

QC Sample Results

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

Job ID: 880-7249-1

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

Lab Sample ID: MB 860-27950/1-A
Matrix: Water
Analysis Batch: 28092

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 27950

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Manganese	<0.000199	U	0.00200	0.000199	mg/L		10/25/21 10:52	10/25/21 17:20	1

Lab Sample ID: LCS 860-27950/2-A
Matrix: Water
Analysis Batch: 28092

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 27950

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Arsenic	0.100	0.09889		mg/L		99	80 - 120
Chromium	0.100	0.09430		mg/L		94	80 - 120
Iron	0.500	0.4789		mg/L		96	80 - 120
Manganese	0.100	0.09827		mg/L		98	80 - 120

Lab Sample ID: LCSD 860-27950/3-A
Matrix: Water
Analysis Batch: 28092

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 27950

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Arsenic	0.100	0.09668		mg/L		97	80 - 120	2	20
Chromium	0.100	0.09381		mg/L		94	80 - 120	1	20
Iron	0.500	0.4737		mg/L		95	80 - 120	1	20
Manganese	0.100	0.09495		mg/L		95	80 - 120	3	20

Method: 7196A - Chromium, Hexavalent

Lab Sample ID: MB 880-9923/3
Matrix: Water
Analysis Batch: 9923

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			10/15/21 08:00	1

Lab Sample ID: LCS 880-9923/4
Matrix: Water
Analysis Batch: 9923

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	0.03851		mg/L		96	85 - 115

Lab Sample ID: LCSD 880-9923/5
Matrix: Water
Analysis Batch: 9923

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	0.03851		mg/L		96	85 - 115	0	20

QC Sample Results

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

Job ID: 880-7249-1

Method: 7196A - Chromium, Hexavalent (Continued)

Lab Sample ID: MB 880-9924/3
Matrix: Water
Analysis Batch: 9924

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			10/15/21 10:35	1

Lab Sample ID: LCS 880-9924/4
Matrix: Water
Analysis Batch: 9924

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	0.03745		mg/L		94	85 - 115		

Lab Sample ID: LCSD 880-9924/5
Matrix: Water
Analysis Batch: 9924

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	0.03745		mg/L		94	85 - 115	0	20

Lab Sample ID: 880-7249-5 MS
Matrix: Water
Analysis Batch: 9923

Client Sample ID: MW-069-W-211014
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	0.1792		mg/L		90	85 - 115		

Lab Sample ID: 880-7249-5 MSD
Matrix: Water
Analysis Batch: 9923

Client Sample ID: MW-069-W-211014
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	0.1792		mg/L		90	85 - 115	0	20

Lab Sample ID: 880-7249-10 MS
Matrix: Water
Analysis Batch: 9924

Client Sample ID: MW-032-W-211014
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	0.1999		mg/L		100	85 - 115		

Lab Sample ID: 880-7249-10 MSD
Matrix: Water
Analysis Batch: 9924

Client Sample ID: MW-032-W-211014
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	0.1999		mg/L		100	85 - 115	0	20

QC Sample Results

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

Job ID: 880-7249-1

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

Lab Sample ID: MB 860-27191/1
Matrix: Water
Analysis Batch: 27191

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			10/19/21 14:25	1

Lab Sample ID: LCS 860-27191/2
Matrix: Water
Analysis Batch: 27191

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	974.0		mg/L		97	80 - 120

Lab Sample ID: LCSD 860-27191/3
Matrix: Water
Analysis Batch: 27191

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	1014		mg/L		101	80 - 120	4	10

Lab Sample ID: MB 860-27193/1
Matrix: Water
Analysis Batch: 27193

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			10/19/21 14:27	1

Lab Sample ID: LCS 860-27193/2
Matrix: Water
Analysis Batch: 27193

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	937.0		mg/L		94	80 - 120

Lab Sample ID: LCSD 860-27193/3
Matrix: Water
Analysis Batch: 27193

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	922.0		mg/L		92	80 - 120	2	10

Lab Sample ID: MB 860-27443/1
Matrix: Water
Analysis Batch: 27443

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			10/20/21 20:32	1

Lab Sample ID: LCS 860-27443/2
Matrix: Water
Analysis Batch: 27443

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	953.0		mg/L		95	80 - 120

QC Sample Results

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

Job ID: 880-7249-1

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

Lab Sample ID: LCSD 860-27443/3
Matrix: Water
Analysis Batch: 27443

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	978.0		mg/L		98	80 - 120	3	10

Lab Sample ID: MB 860-27444/1
Matrix: Water
Analysis Batch: 27444

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			10/20/21 20:34	1

Lab Sample ID: LCS 860-27444/2
Matrix: Water
Analysis Batch: 27444

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	1110		mg/L		111	80 - 120		

Lab Sample ID: LCSD 860-27444/3
Matrix: Water
Analysis Batch: 27444

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	1136		mg/L		114	80 - 120	2	10

Lab Sample ID: MB 860-27519/1
Matrix: Water
Analysis Batch: 27519

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			10/21/21 10:59	1

Lab Sample ID: LCS 860-27519/2
Matrix: Water
Analysis Batch: 27519

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	1088		mg/L		109	80 - 120		

Lab Sample ID: LCSD 860-27519/3
Matrix: Water
Analysis Batch: 27519

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	1077		mg/L		108	80 - 120	1	10

QC Association Summary

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

Job ID: 880-7249-1

GC VOA

Analysis Batch: 9936

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-7249-7	MW-046A-W-211014	Total/NA	Water	8021B	
880-7249-8	MW-043-W-211014	Total/NA	Water	8021B	
MB 880-9936/8	Method Blank	Total/NA	Water	8021B	
LCS 880-9936/3	Lab Control Sample	Total/NA	Water	8021B	
LCSD 880-9936/4	Lab Control Sample Dup	Total/NA	Water	8021B	

Analysis Batch: 10526

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-7249-7	MW-046A-W-211014	Total/NA	Water	Total BTEX	
880-7249-8	MW-043-W-211014	Total/NA	Water	Total BTEX	

GC Semi VOA

Analysis Batch: 10315

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-7249-7	MW-046A-W-211014	Total/NA	Water	8015B NM	10319
880-7249-8	MW-043-W-211014	Total/NA	Water	8015B NM	10319
MB 880-10319/1-A	Method Blank	Total/NA	Water	8015B NM	10319
LCS 880-10319/2-A	Lab Control Sample	Total/NA	Water	8015B NM	10319
LCSD 880-10319/3-A	Lab Control Sample Dup	Total/NA	Water	8015B NM	10319
880-7249-7 MS	MW-046A-W-211014	Total/NA	Water	8015B NM	10319
880-7249-7 MSD	MW-046A-W-211014	Total/NA	Water	8015B NM	10319

Prep Batch: 10319

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-7249-7	MW-046A-W-211014	Total/NA	Water	8015NM Aq Prep	
880-7249-8	MW-043-W-211014	Total/NA	Water	8015NM Aq Prep	
MB 880-10319/1-A	Method Blank	Total/NA	Water	8015NM Aq Prep	
LCS 880-10319/2-A	Lab Control Sample	Total/NA	Water	8015NM Aq Prep	
LCSD 880-10319/3-A	Lab Control Sample Dup	Total/NA	Water	8015NM Aq Prep	
880-7249-7 MS	MW-046A-W-211014	Total/NA	Water	8015NM Aq Prep	
880-7249-7 MSD	MW-046A-W-211014	Total/NA	Water	8015NM Aq Prep	

Analysis Batch: 10533

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-7249-7	MW-046A-W-211014	Total/NA	Water	8015 NM	
880-7249-8	MW-043-W-211014	Total/NA	Water	8015 NM	

HPLC/IC

Analysis Batch: 27436

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-7249-1	MW-093SA-W-211014	Total/NA	Water	300.0	
880-7249-2	MW-015A-W-211014	Total/NA	Water	300.0	
880-7249-3	MW-061-W-211014	Total/NA	Water	300.0	
880-7249-4	MW-095-W-211014	Total/NA	Water	300.0	
880-7249-5	MW-069-W-211014	Total/NA	Water	300.0	
880-7249-10	MW-032-W-211014	Total/NA	Water	300.0	
880-7249-11	MW-023-W-211014	Total/NA	Water	300.0	
880-7249-12	DUP-2-W211014	Total/NA	Water	300.0	
880-7249-13	DUP-3-W211014	Total/NA	Water	300.0	
MB 860-27436/54	Method Blank	Total/NA	Water	300.0	

QC Association Summary

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

Job ID: 880-7249-1

HPLC/IC (Continued)

Analysis Batch: 27436 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCS 860-27436/55	Lab Control Sample	Total/NA	Water	300.0	
LCSD 860-27436/56	Lab Control Sample Dup	Total/NA	Water	300.0	

Analysis Batch: 27471

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-7249-6	MW-070-W-211014	Total/NA	Water	300.0	
880-7249-7 - DL	MW-046A-W-211014	Total/NA	Water	300.0	
880-7249-8 - DL	MW-043-W-211014	Total/NA	Water	300.0	
880-7249-9 - DL	MW-013-W-211014	Total/NA	Water	300.0	
MB 860-27471/3	Method Blank	Total/NA	Water	300.0	
LCS 860-27471/4	Lab Control Sample	Total/NA	Water	300.0	
LCSD 860-27471/5	Lab Control Sample Dup	Total/NA	Water	300.0	

Metals

Prep Batch: 26948

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-7249-1	MW-093SA-W-211014	Dissolved	Water	3010A	
880-7249-2	MW-015A-W-211014	Dissolved	Water	3010A	
880-7249-3	MW-061-W-211014	Dissolved	Water	3010A	
880-7249-4	MW-095-W-211014	Dissolved	Water	3010A	
880-7249-5	MW-069-W-211014	Dissolved	Water	3010A	
880-7249-6	MW-070-W-211014	Dissolved	Water	3010A	
880-7249-7	MW-046A-W-211014	Dissolved	Water	3010A	
880-7249-8	MW-043-W-211014	Dissolved	Water	3010A	
MB 860-26948/1-A	Method Blank	Total/NA	Water	3010A	
LCS 860-26948/2-A	Lab Control Sample	Total/NA	Water	3010A	
LCSD 860-26948/3-A	Lab Control Sample Dup	Total/NA	Water	3010A	

Prep Batch: 27100

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-7249-9	MW-013-W-211014	Dissolved	Water	3010A	
880-7249-11	MW-023-W-211014	Dissolved	Water	3010A	
880-7249-12	DUP-2-W211014	Dissolved	Water	3010A	
880-7249-13	DUP-3-W211014	Dissolved	Water	3010A	
MB 860-27100/1-A	Method Blank	Total/NA	Water	3010A	
LCS 860-27100/2-A	Lab Control Sample	Total/NA	Water	3010A	
LCSD 860-27100/3-A	Lab Control Sample Dup	Total/NA	Water	3010A	

Analysis Batch: 27111

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-7249-1	MW-093SA-W-211014	Dissolved	Water	6020A	26948
880-7249-2	MW-015A-W-211014	Dissolved	Water	6020A	26948
880-7249-3	MW-061-W-211014	Dissolved	Water	6020A	26948
880-7249-4	MW-095-W-211014	Dissolved	Water	6020A	26948
880-7249-5	MW-069-W-211014	Dissolved	Water	6020A	26948
880-7249-6	MW-070-W-211014	Dissolved	Water	6020A	26948
880-7249-7	MW-046A-W-211014	Dissolved	Water	6020A	26948
880-7249-8	MW-043-W-211014	Dissolved	Water	6020A	26948
MB 860-26948/1-A	Method Blank	Total/NA	Water	6020A	26948
LCS 860-26948/2-A	Lab Control Sample	Total/NA	Water	6020A	26948

QC Association Summary

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

Job ID: 880-7249-1

Metals (Continued)

Analysis Batch: 27111 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCSD 860-26948/3-A	Lab Control Sample Dup	Total/NA	Water	6020A	26948

Analysis Batch: 27164

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-7249-4	MW-095-W-211014	Dissolved	Water	6020A	26948

Prep Batch: 27509

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-7249-10	MW-032-W-211014	Dissolved	Water	3010A	
MB 860-27509/1-A	Method Blank	Total/NA	Water	3010A	
LCS 860-27509/2-A	Lab Control Sample	Total/NA	Water	3010A	
LCSD 860-27509/3-A	Lab Control Sample Dup	Total/NA	Water	3010A	

Analysis Batch: 27515

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-7249-9	MW-013-W-211014	Dissolved	Water	6020A	27100
880-7249-11	MW-023-W-211014	Dissolved	Water	6020A	27100
880-7249-12	DUP-2-W211014	Dissolved	Water	6020A	27100
880-7249-13	DUP-3-W211014	Dissolved	Water	6020A	27100
MB 860-27100/1-A	Method Blank	Total/NA	Water	6020A	27100
LCS 860-27100/2-A	Lab Control Sample	Total/NA	Water	6020A	27100
LCSD 860-27100/3-A	Lab Control Sample Dup	Total/NA	Water	6020A	27100

Analysis Batch: 27568

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-7249-9	MW-013-W-211014	Dissolved	Water	6020A	27100
880-7249-11	MW-023-W-211014	Dissolved	Water	6020A	27100
880-7249-12	DUP-2-W211014	Dissolved	Water	6020A	27100
880-7249-13	DUP-3-W211014	Dissolved	Water	6020A	27100

Analysis Batch: 27742

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-7249-10	MW-032-W-211014	Dissolved	Water	6020A	27509
MB 860-27509/1-A	Method Blank	Total/NA	Water	6020A	27509
LCS 860-27509/2-A	Lab Control Sample	Total/NA	Water	6020A	27509
LCSD 860-27509/3-A	Lab Control Sample Dup	Total/NA	Water	6020A	27509

Prep Batch: 27950

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-7249-10	MW-032-W-211014	Dissolved	Water	3010A	
MB 860-27950/1-A	Method Blank	Total/NA	Water	3010A	
LCS 860-27950/2-A	Lab Control Sample	Total/NA	Water	3010A	
LCSD 860-27950/3-A	Lab Control Sample Dup	Total/NA	Water	3010A	

Analysis Batch: 28092

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-7249-10	MW-032-W-211014	Dissolved	Water	6020A	27950
MB 860-27950/1-A	Method Blank	Total/NA	Water	6020A	27950
LCS 860-27950/2-A	Lab Control Sample	Total/NA	Water	6020A	27950
LCSD 860-27950/3-A	Lab Control Sample Dup	Total/NA	Water	6020A	27950

QC Association Summary

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

Job ID: 880-7249-1

General Chemistry

Analysis Batch: 9923

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-7249-1	MW-093SA-W-211014	Dissolved	Water	7196A	
880-7249-2	MW-015A-W-211014	Dissolved	Water	7196A	
880-7249-3	MW-061-W-211014	Dissolved	Water	7196A	
880-7249-4	MW-095-W-211014	Dissolved	Water	7196A	
880-7249-5	MW-069-W-211014	Dissolved	Water	7196A	
880-7249-6	MW-070-W-211014	Dissolved	Water	7196A	
880-7249-7	MW-046A-W-211014	Dissolved	Water	7196A	
880-7249-8	MW-043-W-211014	Dissolved	Water	7196A	
880-7249-9	MW-013-W-211014	Dissolved	Water	7196A	
MB 880-9923/3	Method Blank	Total/NA	Water	7196A	
LCS 880-9923/4	Lab Control Sample	Total/NA	Water	7196A	
LCSD 880-9923/5	Lab Control Sample Dup	Total/NA	Water	7196A	
880-7249-5 MS	MW-069-W-211014	Dissolved	Water	7196A	
880-7249-5 MSD	MW-069-W-211014	Dissolved	Water	7196A	

Analysis Batch: 9924

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-7249-10	MW-032-W-211014	Dissolved	Water	7196A	
880-7249-11	MW-023-W-211014	Dissolved	Water	7196A	
880-7249-12	DUP-2-W211014	Dissolved	Water	7196A	
880-7249-13	DUP-3-W211014	Dissolved	Water	7196A	
MB 880-9924/3	Method Blank	Total/NA	Water	7196A	
LCS 880-9924/4	Lab Control Sample	Total/NA	Water	7196A	
LCSD 880-9924/5	Lab Control Sample Dup	Total/NA	Water	7196A	
880-7249-10 MS	MW-032-W-211014	Dissolved	Water	7196A	
880-7249-10 MSD	MW-032-W-211014	Dissolved	Water	7196A	

Analysis Batch: 27191

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-7249-1	MW-093SA-W-211014	Total/NA	Water	SM 2540C	
880-7249-2	MW-015A-W-211014	Total/NA	Water	SM 2540C	
880-7249-3	MW-061-W-211014	Total/NA	Water	SM 2540C	
880-7249-4	MW-095-W-211014	Total/NA	Water	SM 2540C	
880-7249-5	MW-069-W-211014	Total/NA	Water	SM 2540C	
880-7249-11	MW-023-W-211014	Total/NA	Water	SM 2540C	
MB 860-27191/1	Method Blank	Total/NA	Water	SM 2540C	
LCS 860-27191/2	Lab Control Sample	Total/NA	Water	SM 2540C	
LCSD 860-27191/3	Lab Control Sample Dup	Total/NA	Water	SM 2540C	

Analysis Batch: 27193

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-7249-12	DUP-2-W211014	Total/NA	Water	SM 2540C	
880-7249-13	DUP-3-W211014	Total/NA	Water	SM 2540C	
MB 860-27193/1	Method Blank	Total/NA	Water	SM 2540C	
LCS 860-27193/2	Lab Control Sample	Total/NA	Water	SM 2540C	
LCSD 860-27193/3	Lab Control Sample Dup	Total/NA	Water	SM 2540C	

Analysis Batch: 27443

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-7249-7	MW-046A-W-211014	Total/NA	Water	SM 2540C	
MB 860-27443/1	Method Blank	Total/NA	Water	SM 2540C	

QC Association Summary

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

Job ID: 880-7249-1

General Chemistry (Continued)

Analysis Batch: 27443 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCS 860-27443/2	Lab Control Sample	Total/NA	Water	SM 2540C	
LCSD 860-27443/3	Lab Control Sample Dup	Total/NA	Water	SM 2540C	

Analysis Batch: 27444

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-7249-6	MW-070-W-211014	Total/NA	Water	SM 2540C	
880-7249-8	MW-043-W-211014	Total/NA	Water	SM 2540C	
880-7249-9	MW-013-W-211014	Total/NA	Water	SM 2540C	
MB 860-27444/1	Method Blank	Total/NA	Water	SM 2540C	
LCS 860-27444/2	Lab Control Sample	Total/NA	Water	SM 2540C	
LCSD 860-27444/3	Lab Control Sample Dup	Total/NA	Water	SM 2540C	

Analysis Batch: 27519

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-7249-10	MW-032-W-211014	Total/NA	Water	SM 2540C	
MB 860-27519/1	Method Blank	Total/NA	Water	SM 2540C	
LCS 860-27519/2	Lab Control Sample	Total/NA	Water	SM 2540C	
LCSD 860-27519/3	Lab Control Sample Dup	Total/NA	Water	SM 2540C	

Lab Chronicle

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

Job ID: 880-7249-1

Client Sample ID: MW-093SA-W-211014
Date Collected: 10/14/21 09:35
Date Received: 10/14/21 16:44

Lab Sample ID: 880-7249-1
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	300.0		10			27436	10/21/21 06:47	ANP	XEN STF
Dissolved	Prep	3010A			50 mL	50 mL	26948	10/18/21 09:48	PB	XEN STF
Dissolved	Analysis	6020A		1			27111	10/18/21 22:29	DCL	XEN STF
Dissolved	Analysis	7196A		1	100 mL	100 mL	9923	10/15/21 08:00	SC	XEN MID
Total/NA	Analysis	SM 2540C		1	25 mL	200 mL	27191	10/19/21 14:25	YGG	XEN STF

Client Sample ID: MW-015A-W-211014
Date Collected: 10/14/21 10:00
Date Received: 10/14/21 16:44

Lab Sample ID: 880-7249-2
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	300.0		10			27436	10/21/21 07:07	ANP	XEN STF
Dissolved	Prep	3010A			50 mL	50 mL	26948	10/18/21 09:48	PB	XEN STF
Dissolved	Analysis	6020A		1			27111	10/18/21 22:32	DCL	XEN STF
Dissolved	Analysis	7196A		1	100 mL	100 mL	9923	10/15/21 08:00	SC	XEN MID
Total/NA	Analysis	SM 2540C		1	10 mL	200 mL	27191	10/19/21 14:25	YGG	XEN STF

Client Sample ID: MW-061-W-211014
Date Collected: 10/14/21 10:40
Date Received: 10/14/21 16:44

Lab Sample ID: 880-7249-3
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	300.0		10			27436	10/21/21 07:49	ANP	XEN STF
Dissolved	Prep	3010A			50 mL	50 mL	26948	10/18/21 09:48	PB	XEN STF
Dissolved	Analysis	6020A		1			27111	10/18/21 22:35	DCL	XEN STF
Dissolved	Analysis	7196A		10	100 mL	100 mL	9923	10/15/21 08:00	SC	XEN MID
Total/NA	Analysis	SM 2540C		1	25 mL	200 mL	27191	10/19/21 14:25	YGG	XEN STF

Client Sample ID: MW-095-W-211014
Date Collected: 10/14/21 11:15
Date Received: 10/14/21 16:44

Lab Sample ID: 880-7249-4
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	300.0		10			27436	10/21/21 08:10	ANP	XEN STF
Dissolved	Prep	3010A			50 mL	50 mL	26948	10/18/21 09:48	PB	XEN STF
Dissolved	Analysis	6020A		1			27111	10/18/21 22:38	DCL	XEN STF
Dissolved	Prep	3010A			50 mL	50 mL	26948	10/18/21 09:48	PB	XEN STF
Dissolved	Analysis	6020A		5			27164	10/19/21 11:23	DCL	XEN STF
Dissolved	Analysis	7196A		10	100 mL	100 mL	9923	10/15/21 08:00	SC	XEN MID
Total/NA	Analysis	SM 2540C		1	25 mL	200 mL	27191	10/19/21 14:25	YGG	XEN STF

Lab Chronicle

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

Job ID: 880-7249-1

Client Sample ID: MW-069-W-211014
Date Collected: 10/14/21 12:08
Date Received: 10/14/21 16:44

Lab Sample ID: 880-7249-5
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	300.0		10			27436	10/21/21 08:30	ANP	XEN STF
Dissolved	Prep	3010A			50 mL	50 mL	26948	10/18/21 09:48	PB	XEN STF
Dissolved	Analysis	6020A		1			27111	10/18/21 22:41	DCL	XEN STF
Dissolved	Analysis	7196A		1	100 mL	100 mL	9923	10/15/21 08:00	SC	XEN MID
Total/NA	Analysis	SM 2540C		1	10 mL	200 mL	27191	10/19/21 14:25	YGG	XEN STF

Client Sample ID: MW-070-W-211014
Date Collected: 10/14/21 13:30
Date Received: 10/14/21 16:44

Lab Sample ID: 880-7249-6
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	300.0		1			27471	10/21/21 15:01	WP	XEN STF
Dissolved	Prep	3010A			50 mL	50 mL	26948	10/18/21 09:48	PB	XEN STF
Dissolved	Analysis	6020A		1			27111	10/18/21 22:44	DCL	XEN STF
Dissolved	Analysis	7196A		1	100 mL	100 mL	9923	10/15/21 08:00	SC	XEN MID
Total/NA	Analysis	SM 2540C		1	50 mL	200 mL	27444	10/20/21 20:34	ADL	XEN STF

Client Sample ID: MW-046A-W-211014
Date Collected: 10/14/21 14:05
Date Received: 10/14/21 16:44

Lab Sample ID: 880-7249-7
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	9936	10/20/21 21:54	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			10526	10/25/21 18:48	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			10533	10/25/21 19:23	AJ	XEN MID
Total/NA	Prep	8015NM Aq Prep			32 mL	3 mL	10319	10/23/21 09:35	AM	XEN MID
Total/NA	Analysis	8015B NM		1			10315	10/23/21 22:17	AJ	XEN MID
Total/NA	Analysis	300.0	DL	10			27471	10/21/21 15:33	WP	XEN STF
Dissolved	Prep	3010A			50 mL	50 mL	26948	10/18/21 09:48	PB	XEN STF
Dissolved	Analysis	6020A		1			27111	10/18/21 22:47	DCL	XEN STF
Dissolved	Analysis	7196A		5	100 mL	100 mL	9923	10/15/21 08:00	SC	XEN MID
Total/NA	Analysis	SM 2540C		1	25 mL	200 mL	27443	10/20/21 20:32	ADL	XEN STF

Client Sample ID: MW-043-W-211014
Date Collected: 10/14/21 09:35
Date Received: 10/14/21 16:44

Lab Sample ID: 880-7249-8
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	9936	10/20/21 22:20	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			10526	10/25/21 18:48	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			10533	10/25/21 19:23	AJ	XEN MID
Total/NA	Prep	8015NM Aq Prep			32.7 mL	3 mL	10319	10/23/21 09:35	AM	XEN MID
Total/NA	Analysis	8015B NM		1			10315	10/23/21 23:19	AJ	XEN MID
Total/NA	Analysis	300.0	DL	10			27471	10/21/21 16:16	WP	XEN STF

Eurofins Xenco, Midland

Lab Chronicle

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

Job ID: 880-7249-1

Client Sample ID: MW-043-W-211014
Lab Sample ID: 880-7249-8
Date Collected: 10/14/21 09:35
Matrix: Water
Date Received: 10/14/21 16:44

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	26948	10/18/21 09:48	PB	XEN STF
Dissolved	Analysis	6020A		1			27111	10/18/21 22:51	DCL	XEN STF
Dissolved	Analysis	7196A		1	100 mL	100 mL	9923	10/15/21 08:00	SC	XEN MID
Total/NA	Analysis	SM 2540C		1	50 mL	200 mL	27444	10/20/21 20:34	ADL	XEN STF

Client Sample ID: MW-013-W-211014
Lab Sample ID: 880-7249-9
Date Collected: 10/14/21 10:40
Matrix: Water
Date Received: 10/14/21 16:44

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	300.0	DL	10			27471	10/21/21 16:37	WP	XEN STF
Dissolved	Prep	3010A			50 mL	50 mL	27100	10/19/21 08:41	PB	XEN STF
Dissolved	Analysis	6020A		1			27515	10/21/21 00:40	DCL	XEN STF
Dissolved	Prep	3010A			50 mL	50 mL	27100	10/19/21 08:41	PB	XEN STF
Dissolved	Analysis	6020A		1			27568	10/21/21 14:08	DCL	XEN STF
Dissolved	Analysis	7196A		5	100 mL	100 mL	9923	10/15/21 08:00	SC	XEN MID
Total/NA	Analysis	SM 2540C		1	25 mL	200 mL	27444	10/20/21 20:34	ADL	XEN STF

Client Sample ID: MW-032-W-211014
Lab Sample ID: 880-7249-10
Date Collected: 10/14/21 11:35
Matrix: Water
Date Received: 10/14/21 16:44

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	300.0		1			27436	10/21/21 10:59	ANP	XEN STF
Dissolved	Prep	3010A			50 mL	50 mL	27509	10/21/21 09:28	PB	XEN STF
Dissolved	Analysis	6020A		10			27742	10/22/21 13:47	DCL	XEN STF
Dissolved	Prep	3010A			50 mL	50 mL	27950	10/25/21 10:52	PB	XEN STF
Dissolved	Analysis	6020A		1			28092	10/25/21 19:27	DCL	XEN STF
Dissolved	Analysis	7196A		1	100 mL	100 mL	9924	10/15/21 10:35	SC	XEN MID
Total/NA	Analysis	SM 2540C		1	50 mL	200 mL	27519	10/21/21 10:59	ADL	XEN STF

Client Sample ID: MW-023-W-211014
Lab Sample ID: 880-7249-11
Date Collected: 10/14/21 13:30
Matrix: Water
Date Received: 10/14/21 16:44

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	300.0		10			27436	10/21/21 08:51	ANP	XEN STF
Dissolved	Prep	3010A			50 mL	50 mL	27100	10/19/21 08:41	PB	XEN STF
Dissolved	Analysis	6020A		1			27515	10/21/21 00:31	DCL	XEN STF
Dissolved	Prep	3010A			50 mL	50 mL	27100	10/19/21 08:41	PB	XEN STF
Dissolved	Analysis	6020A		5			27568	10/21/21 13:59	DCL	XEN STF
Dissolved	Analysis	7196A		10	100 mL	100 mL	9924	10/15/21 10:35	SC	XEN MID
Total/NA	Analysis	SM 2540C		1	25 mL	200 mL	27191	10/19/21 14:25	YGG	XEN STF

Lab Chronicle

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

Job ID: 880-7249-1

Client Sample ID: DUP-2-W211014

Lab Sample ID: 880-7249-12

Date Collected: 10/14/21 00:00
Matrix: Water
Date Received: 10/14/21 16:44

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	300.0		10			27436	10/21/21 09:12	ANP	XEN STF
Dissolved	Prep	3010A			50 mL	50 mL	27100	10/19/21 08:41	PB	XEN STF
Dissolved	Analysis	6020A		1			27515	10/21/21 00:34	DCL	XEN STF
Dissolved	Prep	3010A			50 mL	50 mL	27100	10/19/21 08:41	PB	XEN STF
Dissolved	Analysis	6020A		1			27568	10/21/21 14:02	DCL	XEN STF
Dissolved	Analysis	7196A		10	100 mL	100 mL	9924	10/15/21 10:35	SC	XEN MID
Total/NA	Analysis	SM 2540C		1	25 mL	200 mL	27193	10/19/21 14:27	YGG	XEN STF

Client Sample ID: DUP-3-W211014

Lab Sample ID: 880-7249-13

Date Collected: 10/14/21 00:00
Matrix: Water
Date Received: 10/14/21 16:44

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	300.0		10			27436	10/21/21 09:53	ANP	XEN STF
Dissolved	Prep	3010A			50 mL	50 mL	27100	10/19/21 08:41	PB	XEN STF
Dissolved	Analysis	6020A		1			27515	10/21/21 00:37	DCL	XEN STF
Dissolved	Prep	3010A			50 mL	50 mL	27100	10/19/21 08:41	PB	XEN STF
Dissolved	Analysis	6020A		5			27568	10/21/21 14:05	DCL	XEN STF
Dissolved	Analysis	7196A		10	100 mL	100 mL	9924	10/15/21 10:35	SC	XEN MID
Total/NA	Analysis	SM 2540C		1	25 mL	200 mL	27193	10/19/21 14:27	YGG	XEN STF

Laboratory References:

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

XEN STF = Eurofins Xenco, Stafford, 4145 Greenbriar Dr, Stafford, TX 77477, TEL (281)240-4200

Accreditation/Certification Summary

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

Job ID: 880-7249-1

Laboratory: Eurofins Xenco, 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
Total BTEX		Water	Total BTEX

Laboratory: Eurofins Xenco, Stafford

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: North Eunice Project

Job ID: 880-7249-1

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 Xenco, Midland, 1211 W. Florida Ave, Midland, TX 79701, TEL (432)704-5440
XEN STF = Eurofins Xenco, Stafford, 4145 Greenbriar Dr, Stafford, TX 77477, TEL (281)240-4200

Sample Summary

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

Job ID: 880-7249-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
880-7249-1	MW-093SA-W-211014	Water	10/14/21 09:35	10/14/21 16:44
880-7249-2	MW-015A-W-211014	Water	10/14/21 10:00	10/14/21 16:44
880-7249-3	MW-061-W-211014	Water	10/14/21 10:40	10/14/21 16:44
880-7249-4	MW-095-W-211014	Water	10/14/21 11:15	10/14/21 16:44
880-7249-5	MW-069-W-211014	Water	10/14/21 12:08	10/14/21 16:44
880-7249-6	MW-070-W-211014	Water	10/14/21 13:30	10/14/21 16:44
880-7249-7	MW-046A-W-211014	Water	10/14/21 14:05	10/14/21 16:44
880-7249-8	MW-043-W-211014	Water	10/14/21 09:35	10/14/21 16:44
880-7249-9	MW-013-W-211014	Water	10/14/21 10:40	10/14/21 16:44
880-7249-10	MW-032-W-211014	Water	10/14/21 11:35	10/14/21 16:44
880-7249-11	MW-023-W-211014	Water	10/14/21 13:30	10/14/21 16:44
880-7249-12	DUP-2-W211014	Water	10/14/21 00:00	10/14/21 16:44
880-7249-13	DUP-3-W211014	Water	10/14/21 00:00	10/14/21 16:44

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

Chain of Custody Record

eurofins

880-7249 Chain of Custody

Client Information	Sampler: Daniel McGee	Lab PM: Builes John	Carrier Tracking N
Client Contact: Callum Ferguson	Phone: 432-999-2980	E-Mail: john builes@eurofinset com	State of Origin
Company: ARCADIS U S Inc	PWSID		
Address: 1004 North Big Spring Suite 300	Due Date Requested		
City: Midland	TAT Requested (days)		
State Zip: TX 79701	Compliance Project: Δ Yes Δ No		
Phone: 206-295-3273(Tel)	PO #: Purchase Order not required		
Email: Callum Ferguson@arcadis com	WO #:		
Project Name: Eunice Project	Project #: 88000209		
Site: North 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 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 - Chloride	6020A (MOD) Custom List	2540C_Calcd - Local Method	8015MOD_NM - Full TPH	8021B - BTEX	7196A - Local Method	Total Number of containers	Special Instructions/Note
			Preservation Code:				N	D	N	A	A	N		
MW-093SA-W211014	101421	0935	G	W	X		X	X	X			X	4	
MW-015A-W-211014	101421	1005	G	W	X		X	X	X			X	4	
MW-061-W-211014	101421	1040	G	W	X		X	X	X			X	4	
MW-095-W-211014	101421	1115	G	W	X		X	X	X			X	4	
MW-069-W-211014	101421	1208	G	W	X		X	X	X			X	4	
MW-070-W-211014	101421	1330	G	W	X		X	X	X			X	4	
MW-046A-W-211014	101421	1405	G	W	X		X	X	X	X	X	X	9	
MW-043-W-211014	101421	0935	G	W	X		X	X	X	X	X	X	9	
MW-013-W-211014	101421	1040	G	W	X		X	X	X			X	4	
MW-032-W-211014	101421	1135	G	W	X		X	X	X			X	4	
MW-023-W-211014	101421	1330	G	W	X		X	X	X			X	4	

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: 101421 1643	Company: Arcadis	Received by:	Date/Time: 10/14/21 1644	Company
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: 3.0/3.1

Ver: 01/16/2019

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10/26/2021
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Released to Imaging: 12/12/2022 10:42:57 AM

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

Chain of Custody Record

eurofins Environment Testing America

Loc: 880
7249

10/26/2021

Client Information	Sampler: Daniel McGee	Lab PM: Builes John	Carrier Tracking No(s):	COC No: 880-1
Client Contact: Callum Ferguson	Phone: 432-999-2980	E Mail: john builes@eurofinset com	State of Origin:	Page: Page
Company: ARCADIS U S Inc	PWSID:			Job #:
Address: 1004 North Big Spring Suite 300	Due Date Requested:			
City: Midland	TAT Requested (days):			
State Zip: TX, 79701	Compliance Project: Δ Yes Δ No			
Phone: 206-295-3273(Tel)	PO #: Purchase Order not required			
Email: Callum Ferguson@arcadis com	WO #:			
Project Name: Eunice Project	Project #: 88000209			
Site: North Eunice	SSOW#:			

Analysis Requested

Preservation Code: N D N A A N

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 Chloride	6020A - (MOD) Custom List	2540C_Calcd - Local Method	8015MOD_NM Full TPH	8021B BTEX	7196A Local Method	Total Number of containers	Special Instructions/Note
DUP-2-W-211014	101421	—	G	W	N		X	X	X			X	4	
DUP-3-W-211014	101421	—	G	W	N		X	X	X			X	4	

DM 101421

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
	101421 / 1443	Arcadis	Kramer	10 14 21 1644	
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: 3.0/3.1

Ver: 01/16/2019

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Released to Imaging: 12/12/2022 10:42:57 AM

Login Sample Receipt Checklist

Client: ARCADIS U.S. Inc Job Number: 880-7249-1

Login Number: 7249 **List Source: Eurofins Xenco, Midland**
List Number: 1
Creator: Kramer, Jessica

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: 880-7249-1

Login Number: 7249
List Number: 2
Creator: Rubio, Yuri

List Source: Eurofins Xenco, Stafford
List Creation: 10/16/21 01:58 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	2.2
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 Xenco, Midland
1211 W. Florida Ave
Midland, TX 79701
Tel: (432)704-5440

Laboratory Job ID: 880-7223-1
Client Project/Site: North Eunice Project

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

Attn: Rebecca Andresen

Authorized for release by:
10/21/2021 6:58:43 PM

John Builes, Project Manager
(281)240-4200
john.builes@eurofinset.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.

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Definitions/Glossary

Client: ARCADIS U.S. Inc Job ID: 880-7223-1
Project/Site: North Eunice Project

Qualifiers

HPLC/IC

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

Metals

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

General Chemistry

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.

Glossary

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

Case Narrative

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

Job ID: 880-7223-1

Job ID: 880-7223-1

Laboratory: Eurofins Xenco, Midland

Narrative

Job Narrative
880-7223-1

Comments
No additional comments.

Receipt
The samples were received on 10/13/2021 7:34 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 2.1° C.

Metals
Method 6020A: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 860-26948 and analytical batch 860-27111 were outside control limits. Sample matrix interference is 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.

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

General Chemistry
Method 300.0: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for analytical batch 860-27096 were outside control limits. Sample matrix interference is suspected because the associated laboratory control sample (LCS) recovery was within acceptance limits.

Method 300.0: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for analytical batch 860-27436 were outside control limits. Sample matrix interference is suspected because the associated laboratory control sample (LCS) recovery was within acceptance limits.

Method 300.0: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for analytical batch 860-27436 were outside control limits. Sample matrix interference is 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.

Client Sample Results

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

Job ID: 880-7223-1

Client Sample ID: MW-057SA-W-211013

Lab Sample ID: 880-7223-1
Matrix: Water
Date Collected: 10/13/21 11:30
Date Received: 10/13/21 19:34

Method: 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	221		0.500	0.200	mg/L			10/20/21 01:24	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	0.0112		0.00400	0.000246	mg/L		10/18/21 09:48	10/18/21 21:29	1
Chromium	0.00865	F1	0.00400	0.000525	mg/L		10/18/21 09:48	10/18/21 21:29	1
Iron	<0.0227	U F1	0.100	0.0227	mg/L		10/18/21 09:48	10/18/21 21:29	1
Manganese	0.00230	F1	0.00200	0.000199	mg/L		10/18/21 09:48	10/18/21 21:29	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	1510		10.0	10.0	mg/L			10/19/21 11:04	1

General Chemistry - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cr (VI)	0.0114		0.0100	0.00273	mg/L			10/14/21 11:20	1

Client Sample ID: MW-056SA-W-211013

Lab Sample ID: 880-7223-2
Matrix: Water
Date Collected: 10/13/21 12:00
Date Received: 10/13/21 19:34

Method: 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	974		5.00	2.00	mg/L			10/21/21 02:48	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		10/18/21 09:48	10/18/21 21:51	1
Chromium	0.224		0.00400	0.000525	mg/L		10/18/21 09:48	10/18/21 21:51	1
Iron	<0.0227	U	0.100	0.0227	mg/L		10/18/21 09:48	10/18/21 21:51	1
Manganese	0.00131	J	0.00200	0.000199	mg/L		10/18/21 09:48	10/18/21 21:51	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	4560		40.0	40.0	mg/L			10/19/21 11:04	1

General Chemistry - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cr (VI)	0.287		0.0100	0.00273	mg/L			10/14/21 11:20	1

Client Sample ID: MW-073SA-W-211013

Lab Sample ID: 880-7223-3
Matrix: Water
Date Collected: 10/13/21 12:25
Date Received: 10/13/21 19:34

Method: 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	542		5.00	2.00	mg/L			10/20/21 02:16	10

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	0.00918		0.00400	0.000246	mg/L		10/18/21 09:48	10/18/21 21:54	1
Chromium	<0.000525	U	0.00400	0.000525	mg/L		10/18/21 09:48	10/18/21 21:54	1

Client Sample Results

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

Job ID: 880-7223-1

Client Sample ID: MW-073SA-W-211013

Lab Sample ID: 880-7223-3
Matrix: Water
Date Collected: 10/13/21 12:25
Date Received: 10/13/21 19:34

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Iron	<0.0227	U	0.100	0.0227	mg/L		10/18/21 09:48	10/18/21 21:54	1
Manganese	**0.00138**	**J**	0.00200	0.000199	mg/L		10/18/21 09:48	10/18/21 21:54	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	**2220**		20.0	20.0	mg/L			10/19/21 11:04	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			10/14/21 11:20	1

Client Sample ID: MW-016A-W-211013

Lab Sample ID: 880-7223-4
Matrix: Water
Date Collected: 10/13/21 13:05
Date Received: 10/13/21 19:34

Method: 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**615**		5.00	2.00	mg/L			10/20/21 02:36	10

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	**0.00724**		0.00400	0.000246	mg/L		10/18/21 09:48	10/18/21 21:57	1
Chromium	**0.00712**		0.00400	0.000525	mg/L		10/18/21 09:48	10/18/21 21:57	1
Iron	<0.0227	U	0.100	0.0227	mg/L		10/18/21 09:48	10/18/21 21:57	1
Manganese	**0.00142**	**J**	0.00200	0.000199	mg/L		10/18/21 09:48	10/18/21 21:57	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	**2320**		20.0	20.0	mg/L			10/19/21 11:04	1

General Chemistry - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cr (VI)	**0.00764**	**J**	0.0100	0.00273	mg/L			10/14/21 11:20	1

Client Sample ID: MW-050SA-W-211013

Lab Sample ID: 880-7223-5
Matrix: Water
Date Collected: 10/13/21 13:45
Date Received: 10/13/21 19:34

Method: 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**991**		5.00	2.00	mg/L			10/20/21 03:18	10

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	**0.00769**		0.00400	0.000246	mg/L		10/18/21 09:48	10/18/21 22:00	1
Chromium	**0.182**		0.00400	0.000525	mg/L		10/18/21 09:48	10/18/21 22:00	1
Iron	<0.0227	U	0.100	0.0227	mg/L		10/18/21 09:48	10/18/21 22:00	1
Manganese	**0.00345**		0.00200	0.000199	mg/L		10/18/21 09:48	10/18/21 22:00	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	**3670**		40.0	40.0	mg/L			10/19/21 11:04	1

Client Sample Results

Client: ARCADIS U.S. Inc
Job ID: 880-7223-1
Project/Site: North Eunice Project

Client Sample ID: MW-050SA-W-211013
Lab Sample ID: 880-7223-5
Date Collected: 10/13/21 13:45
Matrix: Water
Date Received: 10/13/21 19:34

General Chemistry - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cr (VI)	0.321		0.0100	0.00273	mg/L			10/14/21 11:20	1

Client Sample ID: MW-049SA-W-211013
Lab Sample ID: 880-7223-6
Date Collected: 10/13/21 14:30
Matrix: Water
Date Received: 10/13/21 19:34

Method: 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	1190		5.00	2.00	mg/L			10/21/21 03:50	10

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	0.00960		0.00400	0.000246	mg/L		10/18/21 09:48	10/18/21 22:04	1
Chromium	0.184		0.00400	0.000525	mg/L		10/18/21 09:48	10/18/21 22:04	1
Iron	<0.0227	U	0.100	0.0227	mg/L		10/18/21 09:48	10/18/21 22:04	1
Manganese	0.00231		0.00200	0.000199	mg/L		10/18/21 09:48	10/18/21 22:04	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	2480		40.0	40.0	mg/L			10/19/21 14:25	1

General Chemistry - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cr (VI)	0.238		0.0100	0.00273	mg/L			10/14/21 11:20	1

Client Sample ID: MW-054SA-W-211013
Lab Sample ID: 880-7223-7
Date Collected: 10/13/21 15:05
Matrix: Water
Date Received: 10/13/21 19:34

Method: 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	806		5.00	2.00	mg/L			10/21/21 04:11	10

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	0.00895		0.00400	0.000246	mg/L		10/18/21 09:48	10/18/21 22:07	1
Chromium	0.0962		0.00400	0.000525	mg/L		10/18/21 09:48	10/18/21 22:07	1
Iron	0.0353	J	0.100	0.0227	mg/L		10/18/21 09:48	10/18/21 22:07	1
Manganese	0.00278		0.00200	0.000199	mg/L		10/18/21 09:48	10/18/21 22:07	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	2140		20.0	20.0	mg/L			10/19/21 14:25	1

General Chemistry - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cr (VI)	0.119		0.0100	0.00273	mg/L			10/14/21 11:20	1

Client Sample Results

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

Job ID: 880-7223-1

Client Sample ID: MW-067SA-W-211013

Lab Sample ID: 880-7223-8
Matrix: Water
Date Collected: 10/13/21 15:50
Date Received: 10/13/21 19:34

Method: 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	182		0.500	0.200	mg/L			10/21/21 04:21	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		10/18/21 09:48	10/18/21 22:10	1
Chromium	<0.000525	U	0.00400	0.000525	mg/L		10/18/21 09:48	10/18/21 22:10	1
Iron	<0.0227	U	0.100	0.0227	mg/L		10/18/21 09:48	10/18/21 22:10	1
Manganese	0.00171	J	0.00200	0.000199	mg/L		10/18/21 09:48	10/18/21 22:10	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	928		10.0	10.0	mg/L			10/19/21 14:25	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			10/14/21 11:20	1

Client Sample ID: MW-018-W-211013

Lab Sample ID: 880-7223-9
Matrix: Water
Date Collected: 10/13/21 17:05
Date Received: 10/13/21 19:34

Method: 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	186		0.500	0.200	mg/L			10/21/21 05:03	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	0.00785		0.00400	0.000246	mg/L		10/18/21 09:48	10/18/21 22:13	1
Chromium	<0.000525	U	0.00400	0.000525	mg/L		10/18/21 09:48	10/18/21 22:13	1
Iron	<0.0227	U	0.100	0.0227	mg/L		10/18/21 09:48	10/18/21 22:13	1
Manganese	0.000515	J	0.00200	0.000199	mg/L		10/18/21 09:48	10/18/21 22:13	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	1090		10.0	10.0	mg/L			10/19/21 14:25	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			10/14/21 11:20	1

QC Sample Results

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

Job ID: 880-7223-1

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 860-27096/55
Matrix: Water
Analysis Batch: 27096

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			10/19/21 20:54	1

Lab Sample ID: LCS 860-27096/56
Matrix: Water
Analysis Batch: 27096

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	10.75		mg/L		108	90 - 110

Lab Sample ID: LCSD 860-27096/57
Matrix: Water
Analysis Batch: 27096

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	10.42		mg/L		104	90 - 110	3	20

Lab Sample ID: MB 860-27436/13
Matrix: Water
Analysis Batch: 27436

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			10/20/21 22:39	1

Lab Sample ID: LCS 860-27436/14
Matrix: Water
Analysis Batch: 27436

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	9.884		mg/L		99	90 - 110

Lab Sample ID: LCSD 860-27436/15
Matrix: Water
Analysis Batch: 27436

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	10.12		mg/L		101	90 - 110	2	20

Method: 6020A - Metals (ICP/MS)

Lab Sample ID: MB 860-26948/1-A
Matrix: Water
Analysis Batch: 27111

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 26948

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.000246	U	0.00400	0.000246	mg/L		10/18/21 09:48	10/18/21 21:20	1
Chromium	<0.000525	U	0.00400	0.000525	mg/L		10/18/21 09:48	10/18/21 21:20	1
Iron	<0.0227	U	0.100	0.0227	mg/L		10/18/21 09:48	10/18/21 21:20	1
Manganese	<0.000199	U	0.00200	0.000199	mg/L		10/18/21 09:48	10/18/21 21:20	1

QC Sample Results

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

Job ID: 880-7223-1

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

Lab Sample ID: LCS 860-26948/2-A
Matrix: Water
Analysis Batch: 27111

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 26948

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
Arsenic			0.100	0.1008		mg/L		101	80 - 120		
Chromium			0.100	0.09686		mg/L		97	80 - 120		
Iron			0.500	0.4864		mg/L		97	80 - 120		
Manganese			0.100	0.1024		mg/L		102	80 - 120		

Lab Sample ID: LCSD 860-26948/3-A
Matrix: Water
Analysis Batch: 27111

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 26948

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Arsenic			0.100	0.09930		mg/L		99	80 - 120	1	20
Chromium			0.100	0.09602		mg/L		96	80 - 120	1	20
Iron			0.500	0.4879		mg/L		98	80 - 120	0	20
Manganese			0.100	0.09992		mg/L		100	80 - 120	2	20

Lab Sample ID: 880-7223-1 MS
Matrix: Water
Analysis Batch: 27111

Client Sample ID: MW-057SA-W-211013
Prep Type: Dissolved
Prep Batch: 26948

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits		
Arsenic	0.0112		0.100	0.08676		mg/L		76	75 - 125		
Chromium	0.00865	F1	0.100	0.08158	F1	mg/L		73	75 - 125		
Iron	<0.0227	U F1	0.500	0.3682	F1	mg/L		74	75 - 125		
Manganese	0.00230	F1	0.100	0.07409	F1	mg/L		72	75 - 125		

Lab Sample ID: 880-7223-1 MSD
Matrix: Water
Analysis Batch: 27111

Client Sample ID: MW-057SA-W-211013
Prep Type: Dissolved
Prep Batch: 26948

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Arsenic	0.0112		0.100	0.08815		mg/L		77	75 - 125	2	20
Chromium	0.00865	F1	0.100	0.08493		mg/L		76	75 - 125	4	20
Iron	<0.0227	U F1	0.500	0.3852		mg/L		77	75 - 125	5	20
Manganese	0.00230	F1	0.100	0.07667	F1	mg/L		74	75 - 125	3	20

Method: 7196A - Chromium, Hexavalent

Lab Sample ID: MB 880-9855/3
Matrix: Water
Analysis Batch: 9855

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			10/14/21 11:20	1

Lab Sample ID: LCS 880-9855/4
Matrix: Water
Analysis Batch: 9855

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	0.03681		mg/L		92	85 - 115		

QC Sample Results

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

Job ID: 880-7223-1

Method: 7196A - Chromium, Hexavalent

Lab Sample ID: LCSD 880-9855/5
Matrix: Water
Analysis Batch: 9855

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	0.03681		mg/L		92	85 - 115	0	20

Lab Sample ID: 880-7223-1 MS
Matrix: Water
Analysis Batch: 9855

Client Sample ID: MW-057SA-W-211013
Prep Type: Dissolved

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Cr (VI)	0.0114		0.200	0.2350		mg/L		112	85 - 115

Lab Sample ID: 880-7223-1 MSD
Matrix: Water
Analysis Batch: 9855

Client Sample ID: MW-057SA-W-211013
Prep Type: Dissolved

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Cr (VI)	0.0114		0.200	0.2345		mg/L		112	85 - 115	0	20

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

Lab Sample ID: MB 860-27151/1
Matrix: Water
Analysis Batch: 27151

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			10/19/21 11:04	1

Lab Sample ID: LCS 860-27151/2
Matrix: Water
Analysis Batch: 27151

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	1024		mg/L		102	80 - 120

Lab Sample ID: LCSD 860-27151/3
Matrix: Water
Analysis Batch: 27151

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	1039		mg/L		104	80 - 120	1	10

Lab Sample ID: MB 860-27191/1
Matrix: Water
Analysis Batch: 27191

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			10/19/21 14:25	1

QC Sample Results

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

Job ID: 880-7223-1

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

Lab Sample ID: LCS 860-27191/2
Matrix: Water
Analysis Batch: 27191

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	974.0		mg/L		97	80 - 120		

Lab Sample ID: LCSD 860-27191/3
Matrix: Water
Analysis Batch: 27191

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	1014		mg/L		101	80 - 120	4	10

Lab Sample ID: 880-7223-9 DU
Matrix: Water
Analysis Batch: 27191

Client Sample ID: MW-018-W-211013
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier		DU Result	DU Qualifier	Unit	D			RPD	RPD Limit
Total Dissolved Solids	1090			1014		mg/L				7	10

QC Association Summary

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

Job ID: 880-7223-1

HPLC/IC

Analysis Batch: 27096

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-7223-1	MW-057SA-W-211013	Total/NA	Water	300.0	
880-7223-3	MW-073SA-W-211013	Total/NA	Water	300.0	
880-7223-4	MW-016A-W-211013	Total/NA	Water	300.0	
880-7223-5	MW-050SA-W-211013	Total/NA	Water	300.0	
MB 860-27096/55	Method Blank	Total/NA	Water	300.0	
LCS 860-27096/56	Lab Control Sample	Total/NA	Water	300.0	
LCSD 860-27096/57	Lab Control Sample Dup	Total/NA	Water	300.0	

Analysis Batch: 27436

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-7223-2	MW-056SA-W-211013	Total/NA	Water	300.0	
880-7223-6	MW-049SA-W-211013	Total/NA	Water	300.0	
880-7223-7	MW-054SA-W-211013	Total/NA	Water	300.0	
880-7223-8	MW-067SA-W-211013	Total/NA	Water	300.0	
880-7223-9	MW-018-W-211013	Total/NA	Water	300.0	
MB 860-27436/13	Method Blank	Total/NA	Water	300.0	
LCS 860-27436/14	Lab Control Sample	Total/NA	Water	300.0	
LCSD 860-27436/15	Lab Control Sample Dup	Total/NA	Water	300.0	

Metals

Prep Batch: 26948

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-7223-1	MW-057SA-W-211013	Dissolved	Water	3010A	
880-7223-2	MW-056SA-W-211013	Dissolved	Water	3010A	
880-7223-3	MW-073SA-W-211013	Dissolved	Water	3010A	
880-7223-4	MW-016A-W-211013	Dissolved	Water	3010A	
880-7223-5	MW-050SA-W-211013	Dissolved	Water	3010A	
880-7223-6	MW-049SA-W-211013	Dissolved	Water	3010A	
880-7223-7	MW-054SA-W-211013	Dissolved	Water	3010A	
880-7223-8	MW-067SA-W-211013	Dissolved	Water	3010A	
880-7223-9	MW-018-W-211013	Dissolved	Water	3010A	
MB 860-26948/1-A	Method Blank	Total/NA	Water	3010A	
LCS 860-26948/2-A	Lab Control Sample	Total/NA	Water	3010A	
LCSD 860-26948/3-A	Lab Control Sample Dup	Total/NA	Water	3010A	
880-7223-1 MS	MW-057SA-W-211013	Dissolved	Water	3010A	
880-7223-1 MSD	MW-057SA-W-211013	Dissolved	Water	3010A	

Analysis Batch: 27111

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-7223-1	MW-057SA-W-211013	Dissolved	Water	6020A	26948
880-7223-2	MW-056SA-W-211013	Dissolved	Water	6020A	26948
880-7223-3	MW-073SA-W-211013	Dissolved	Water	6020A	26948
880-7223-4	MW-016A-W-211013	Dissolved	Water	6020A	26948
880-7223-5	MW-050SA-W-211013	Dissolved	Water	6020A	26948
880-7223-6	MW-049SA-W-211013	Dissolved	Water	6020A	26948
880-7223-7	MW-054SA-W-211013	Dissolved	Water	6020A	26948
880-7223-8	MW-067SA-W-211013	Dissolved	Water	6020A	26948
880-7223-9	MW-018-W-211013	Dissolved	Water	6020A	26948
MB 860-26948/1-A	Method Blank	Total/NA	Water	6020A	26948
LCS 860-26948/2-A	Lab Control Sample	Total/NA	Water	6020A	26948

QC Association Summary

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

Job ID: 880-7223-1

Metals (Continued)

Analysis Batch: 27111 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCSD 860-26948/3-A	Lab Control Sample Dup	Total/NA	Water	6020A	26948
880-7223-1 MS	MW-057SA-W-211013	Dissolved	Water	6020A	26948
880-7223-1 MSD	MW-057SA-W-211013	Dissolved	Water	6020A	26948

General Chemistry

Analysis Batch: 9855

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-7223-1	MW-057SA-W-211013	Dissolved	Water	7196A	
880-7223-2	MW-056SA-W-211013	Dissolved	Water	7196A	
880-7223-3	MW-073SA-W-211013	Dissolved	Water	7196A	
880-7223-4	MW-016A-W-211013	Dissolved	Water	7196A	
880-7223-5	MW-050SA-W-211013	Dissolved	Water	7196A	
880-7223-6	MW-049SA-W-211013	Dissolved	Water	7196A	
880-7223-7	MW-054SA-W-211013	Dissolved	Water	7196A	
880-7223-8	MW-067SA-W-211013	Dissolved	Water	7196A	
880-7223-9	MW-018-W-211013	Dissolved	Water	7196A	
MB 880-9855/3	Method Blank	Total/NA	Water	7196A	
LCS 880-9855/4	Lab Control Sample	Total/NA	Water	7196A	
LCSD 880-9855/5	Lab Control Sample Dup	Total/NA	Water	7196A	
880-7223-1 MS	MW-057SA-W-211013	Dissolved	Water	7196A	
880-7223-1 MSD	MW-057SA-W-211013	Dissolved	Water	7196A	

Analysis Batch: 27151

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-7223-1	MW-057SA-W-211013	Total/NA	Water	SM 2540C	
880-7223-2	MW-056SA-W-211013	Total/NA	Water	SM 2540C	
880-7223-3	MW-073SA-W-211013	Total/NA	Water	SM 2540C	
880-7223-4	MW-016A-W-211013	Total/NA	Water	SM 2540C	
880-7223-5	MW-050SA-W-211013	Total/NA	Water	SM 2540C	
MB 860-27151/1	Method Blank	Total/NA	Water	SM 2540C	
LCS 860-27151/2	Lab Control Sample	Total/NA	Water	SM 2540C	
LCSD 860-27151/3	Lab Control Sample Dup	Total/NA	Water	SM 2540C	

Analysis Batch: 27191

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-7223-6	MW-049SA-W-211013	Total/NA	Water	SM 2540C	
880-7223-7	MW-054SA-W-211013	Total/NA	Water	SM 2540C	
880-7223-8	MW-067SA-W-211013	Total/NA	Water	SM 2540C	
880-7223-9	MW-018-W-211013	Total/NA	Water	SM 2540C	
MB 860-27191/1	Method Blank	Total/NA	Water	SM 2540C	
LCS 860-27191/2	Lab Control Sample	Total/NA	Water	SM 2540C	
LCSD 860-27191/3	Lab Control Sample Dup	Total/NA	Water	SM 2540C	
880-7223-9 DU	MW-018-W-211013	Total/NA	Water	SM 2540C	

Lab Chronicle

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

Job ID: 880-7223-1

Client Sample ID: MW-057SA-W-211013

Lab Sample ID: 880-7223-1
Matrix: Water
Date Collected: 10/13/21 11:30
Date Received: 10/13/21 19:34

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	300.0		1			27096	10/20/21 01:24	ANP	XEN STF
Dissolved	Prep	3010A			50 mL	50 mL	26948	10/18/21 09:48	PB	XEN STF
Dissolved	Analysis	6020A		1			27111	10/18/21 21:29	DCL	XEN STF
Dissolved	Analysis	7196A		1	100 mL	100 mL	9855	10/14/21 11:20	SC	XEN MID
Total/NA	Analysis	SM 2540C		1	100 mL	200 mL	27151	10/19/21 11:04	ADL	XEN STF

Client Sample ID: MW-056SA-W-211013

Lab Sample ID: 880-7223-2
Matrix: Water
Date Collected: 10/13/21 12:00
Date Received: 10/13/21 19:34

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	300.0		10			27436	10/21/21 02:48	ANP	XEN STF
Dissolved	Prep	3010A			50 mL	50 mL	26948	10/18/21 09:48	PB	XEN STF
Dissolved	Analysis	6020A		1			27111	10/18/21 21:51	DCL	XEN STF
Dissolved	Analysis	7196A		1	100 mL	100 mL	9855	10/14/21 11:20	SC	XEN MID
Total/NA	Analysis	SM 2540C		1	25 mL	200 mL	27151	10/19/21 11:04	ADL	XEN STF

Client Sample ID: MW-073SA-W-211013

Lab Sample ID: 880-7223-3
Matrix: Water
Date Collected: 10/13/21 12:25
Date Received: 10/13/21 19:34

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	300.0		10			27096	10/20/21 02:16	ANP	XEN STF
Dissolved	Prep	3010A			50 mL	50 mL	26948	10/18/21 09:48	PB	XEN STF
Dissolved	Analysis	6020A		1			27111	10/18/21 21:54	DCL	XEN STF
Dissolved	Analysis	7196A		1	100 mL	100 mL	9855	10/14/21 11:20	SC	XEN MID
Total/NA	Analysis	SM 2540C		1	50 mL	200 mL	27151	10/19/21 11:04	ADL	XEN STF

Client Sample ID: MW-016A-W-211013

Lab Sample ID: 880-7223-4
Matrix: Water
Date Collected: 10/13/21 13:05
Date Received: 10/13/21 19:34

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	300.0		10			27096	10/20/21 02:36	ANP	XEN STF
Dissolved	Prep	3010A			50 mL	50 mL	26948	10/18/21 09:48	PB	XEN STF
Dissolved	Analysis	6020A		1			27111	10/18/21 21:57	DCL	XEN STF
Dissolved	Analysis	7196A		1	100 mL	100 mL	9855	10/14/21 11:20	SC	XEN MID
Total/NA	Analysis	SM 2540C		1	50 mL	200 mL	27151	10/19/21 11:04	ADL	XEN STF

Lab Chronicle

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

Job ID: 880-7223-1

Client Sample ID: MW-050SA-W-211013

Lab Sample ID: 880-7223-5
Matrix: Water
Date Collected: 10/13/21 13:45
Date Received: 10/13/21 19:34

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	300.0		10			27096	10/20/21 03:18	ANP	XEN STF
Dissolved	Prep	3010A			50 mL	50 mL	26948	10/18/21 09:48	PB	XEN STF
Dissolved	Analysis	6020A		1			27111	10/18/21 22:00	DCL	XEN STF
Dissolved	Analysis	7196A		1	100 mL	100 mL	9855	10/14/21 11:20	SC	XEN MID
Total/NA	Analysis	SM 2540C		1	25 mL	200 mL	27151	10/19/21 11:04	ADL	XEN STF

Client Sample ID: MW-049SA-W-211013

Lab Sample ID: 880-7223-6
Matrix: Water
Date Collected: 10/13/21 14:30
Date Received: 10/13/21 19:34

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	300.0		10			27436	10/21/21 03:50	ANP	XEN STF
Dissolved	Prep	3010A			50 mL	50 mL	26948	10/18/21 09:48	PB	XEN STF
Dissolved	Analysis	6020A		1			27111	10/18/21 22:04	DCL	XEN STF
Dissolved	Analysis	7196A		1	100 mL	100 mL	9855	10/14/21 11:20	SC	XEN MID
Total/NA	Analysis	SM 2540C		1	25 mL	200 mL	27191	10/19/21 14:25	YGG	XEN STF

Client Sample ID: MW-054SA-W-211013

Lab Sample ID: 880-7223-7
Matrix: Water
Date Collected: 10/13/21 15:05
Date Received: 10/13/21 19:34

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	300.0		10			27436	10/21/21 04:11	ANP	XEN STF
Dissolved	Prep	3010A			50 mL	50 mL	26948	10/18/21 09:48	PB	XEN STF
Dissolved	Analysis	6020A		1			27111	10/18/21 22:07	DCL	XEN STF
Dissolved	Analysis	7196A		1	100 mL	100 mL	9855	10/14/21 11:20	SC	XEN MID
Total/NA	Analysis	SM 2540C		1	50 mL	200 mL	27191	10/19/21 14:25	YGG	XEN STF

Client Sample ID: MW-067SA-W-211013

Lab Sample ID: 880-7223-8
Matrix: Water
Date Collected: 10/13/21 15:50
Date Received: 10/13/21 19:34

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	300.0		1			27436	10/21/21 04:21	ANP	XEN STF
Dissolved	Prep	3010A			50 mL	50 mL	26948	10/18/21 09:48	PB	XEN STF
Dissolved	Analysis	6020A		1			27111	10/18/21 22:10	DCL	XEN STF
Dissolved	Analysis	7196A		1	100 mL	100 mL	9855	10/14/21 11:20	SC	XEN MID
Total/NA	Analysis	SM 2540C		1	100 mL	200 mL	27191	10/19/21 14:25	YGG	XEN STF

Lab Chronicle

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

Job ID: 880-7223-1

Client Sample ID: MW-018-W-211013

Lab Sample ID: 880-7223-9

Date Collected: 10/13/21 17:05

Matrix: Water

Date Received: 10/13/21 19:34

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	300.0		1			27436	10/21/21 05:03	ANP	XEN STF
Dissolved	Prep	3010A			50 mL	50 mL	26948	10/18/21 09:48	PB	XEN STF
Dissolved	Analysis	6020A		1			27111	10/18/21 22:13	DCL	XEN STF
Dissolved	Analysis	7196A		1	100 mL	100 mL	9855	10/14/21 11:20	SC	XEN MID
Total/NA	Analysis	SM 2540C		1	100 mL	200 mL	27191	10/19/21 14:25	YGG	XEN STF

Laboratory References:

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

XEN STF = Eurofins Xenco, Stafford, 4145 Greenbriar Dr, Stafford, TX 77477, TEL (281)240-4200

Accreditation/Certification Summary

Client: ARCADIS U.S. Inc
Job ID: 880-7223-1
Project/Site: North Eunice Project

Laboratory: Eurofins Xenco, Midland

The accreditations/certifications listed below are applicable to this report.

Authority	Program	Identification Number	Expiration Date
Texas	NELAP	T104704400-21-22	06-30-22

Laboratory: Eurofins Xenco, Stafford

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: North Eunice Project

Job ID: 880-7223-1

Method	Method Description	Protocol	Laboratory
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

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.

Laboratory References:

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

XEN STF = Eurofins Xenco, Stafford, 4145 Greenbriar Dr, Stafford, TX 77477, TEL (281)240-4200

Sample Summary

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

Job ID: 880-7223-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
880-7223-1	MW-057SA-W-211013	Water	10/13/21 11:30	10/13/21 19:34
880-7223-2	MW-056SA-W-211013	Water	10/13/21 12:00	10/13/21 19:34
880-7223-3	MW-073SA-W-211013	Water	10/13/21 12:25	10/13/21 19:34
880-7223-4	MW-016A-W-211013	Water	10/13/21 13:05	10/13/21 19:34
880-7223-5	MW-050SA-W-211013	Water	10/13/21 13:45	10/13/21 19:34
880-7223-6	MW-049SA-W-211013	Water	10/13/21 14:30	10/13/21 19:34
880-7223-7	MW-054SA-W-211013	Water	10/13/21 15:05	10/13/21 19:34
880-7223-8	MW-067SA-W-211013	Water	10/13/21 15:50	10/13/21 19:34
880-7223-9	MW-018-W-211013	Water	10/13/21 17:05	10/13/21 19:34

Page 733 of 768

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

Chain of Custody Record

880-7223 Chain of Custody

Client Information	Sampler: Justin Miller	Lab PM: Builes John	Carrier Tracking No(
Client Contact: Callum Ferguson	Phone: 432-296-9547	E-Mail: john builes@eurofinset.com	State of Origin
Company: ARCADIS U S Inc	PWSID:		Page (or)
Address: 1004 North Big Spring Suite 300	Due Date Requested		Job #: 7273
City: Midland	TAT Requested (days)		
State Zip: TX 79701	Compliance Project: Δ Yes Δ No		
Phone: 206-295-3273(Tel)	PO #: Purchase Order not required		
Email: Callum Ferguson@arcadis com	WO #:		
Project Name: Eunice Project	Project #: 88000209		
Site: North 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	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 Chloride	6020A - (MOD) Custom List	2540C_Calcd - Local Method	8015MOD_NM - Full TPH	8021B - BTEX	7196A - Local Method	Total Number of containers	Special Instructions/Note.
			Preservation Code:				N	D	N	A	A	N		
MW-057SA-W-211013	10-13-21	1130	G	W			X	X	X			X		
MW-056SA -W-211013	10-13-21	1200	G	W			X	X	X			X		
MW-073SA - W- 211013	10-13-21	1225	G	W			X	X	X			X		
MW-016A - W- 211013	10-13-21	1305	G	W			X	X	X			X		
MW-050SA-W-211013	10-13-21	1345	G	W			X	X	X			X		
MW-049SA-W-211013	10-13-21	1430	G	W			X	X	X			X		
MW-054SA-W - 211013	10-13-21	1505	G	W			X	X	X			X		
MW-067SA-W- 211013	10-13-21	1550	G	W			X	X	X			X		
~~MW-078SA-W 211013~~	~~10-13-21~~		G	W			X	X	X			X		
MW-018- W- 211013	10-13-21	1705	G	W			X	X	X			X		

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
	Relinquished by:	10/13/21	Arcadis		10.13.21	
	Relinquished by:	Date/Time:	Company	Received by:	Date/Time: 734	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	2.0/2.1

Ver: 01/16/2019

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10/21/2021

Received by OCD: 3/21/2022 2:39:57 PM

Released to Imaging: 12/12/2022 10:42:57 AM

Released to Imaging: 12/12/2022 10:42:57 AM
Received by OCD: 3/21/2022 2:39:57 PM

Eurofins Xenco, 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: 880-2932.1
Client Contact: Shipping/Receiving	Phone:	E-Mail: john.builes@eurofinset.com	State of Origin: New Mexico	Page: Page 1 of 1
Company: Eurofins Xenco		Accreditations Required (See note): NELAP - Texas		Job #: 880-7223-1
Address: 4147 Greenbriar Dr	Due Date Requested: 10/19/2021			
City: Stafford	TAT Requested (days):			
State, Zip: TX, 77477				
Phone: 281-240-4200(Tel)	PO #:			
Email:	WO #:			
Project Name: North Eunice Project	Project #: 88000209			
Site:	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, Z other (specify)
Other

Temp. 0.8 IR ID:HOU-223
C/F +0.0
Corrected Temp: 0.8

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)	Preservation Code	8021B/5035FP_Calc_BTEX_MTBE (MOD)	8015MOD_NM/8015NM_S_TPH (MOD)	6020A/FIELD_FLTRD (MOD) Custom List	300_ORGFM_28D/ Chloride	2540C_Calcd	Total Number of Containers	Special Instructions/Note:
MW-057SA-W-211013 (880-7223-1)	10/13/21	11:30 Mountain		Water				X	X	X	3	
MW-056SA-W-211013 (880-7223-2)	10/13/21	12:00 Mountain		Water				X	X	X	3	
MW-073SA-W-211013 (880-7223-3)	10/13/21	12:25 Mountain		Water				X	X	X	3	
MW-016A-W-211013 (880-7223-4)	10/13/21	13:05 Mountain		Water				X	X	X	3	
MW-050SA-W-211013 (880-7223-5)	10/13/21	13:45 Mountain		Water				X	X	X	3	
MW-049SA-W-211013 (880-7223-6)	10/13/21	14:30 Mountain		Water				X	X	X	3	
MW-054SA-W-211013 (880-7223-7)	10/13/21	15:05 Mountain		Water				X	X	X	3	
MW-067SA-W-211013 (880-7223-8)	10/13/21	15:50 Mountain		Water				X	X	X	3	
MW-018-W-211013 (880-7223-9)	10/13/21	17:05 Mountain		Water				X	X	X	3	

Note: Since laboratory accreditations are subject to change, Eurofins Xenco 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 Xenco LLC laboratory or other instructions will be provided. Any changes to accreditation status should be brought to Eurofins Xenco LLC attention immediately. If all requested accreditations are current to date, return the signed Chain of Custody attesting to said compliance to Eurofins Xenco 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						
2					10/15/21 1030	
3						

Custody Seals Intact: Δ Yes Δ No	Custody Seal No.	Cooler Temperature(s) °C and Other Remarks:

Ver: 06/08/2021

Released to Imaging: 12/12/2022 10:42:57 AM
Received by OCD: 3/21/2022 2:39:57 PM

Eurofins Xenco, 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: Kramer Jessica	Carrier Tracking No(s):	COC No: 880-2932.1
Client Contact: Shipping/Receiving	Phone:	E-Mail: jessica.kramer@eurofinset.com	State of Origin: Texas	Page: Page 1 of 1
Company: Eurofins Xenco		Accreditations Required (See note): NELAP Texas		Job #: 880-7179-1
Address: 4147 Greenbriar Dr	Due Date Requested: 10/20/2021			
City: Stafford	TAT Requested (days):			
State, Zip: TX, 77477				
Phone: 281-240-4200(Tel)	PO #:			
Email:	WO #:			
Project Name: #10 Diamond Cryo	Project #: 88000733			
Site:	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, 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)	Preservation Code	Total_BTEX_GRO_Calculation_(MOD)	TPH_GRO_DRO_EPA_1005_Calculation_(MOD)	TX_1006/TX_1005_S_Prep Standard List	TX_1008_Calc	9012_ReactiveCN/7.3.3 Cyanide, Reactive	9034_Reactive/7.3.4 Sulfide, Reactive	1010_Calc	9045D/DI_LEACH_NP (MOD) Local Method	300_ORGFM_28D/300_Prep (MOD) Custom List	8011C/3051A (MOD) Custom List	SM4500F_S2_F/DI_Leach_WC	8015D_DAI/DI_LEACH_NP (MOD) Custom List	8260C/5035FP_Calc Full List VOCs	Total_Number_of_Containers	Special Instructions/Note:
RTO Process Sulphur Sludge (880-7179-1)	10/12/21	14:00 Central		Solid				X	X	X	X	X	X	X	X	X	X	X		

Temp: 0.8 IR ID.HOU-223
C/F: +0.0
Corrected Temp: 0.8

Note: Since laboratory accreditations are subject to change, Eurofins Xenco 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 Xenco LLC laboratory or other instructions will be provided. Any changes to accreditation status should be brought to Eurofins Xenco LLC attention immediately. If all requested accreditations are current to date, return the signed Chain of Custody attesting to said compliance to Eurofins Xenco 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: Kramer	Date/Time:	Company	Received by: FedEx	Date/Time:	Company	
Relinquished by: FedEx	Date/Time:	Company	Received by:	Date/Time: 01/15/21 1030	Company EX	
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

Released to Imaging: 12/12/2022 10:42:57 AM
Received by OCD: 3/21/2022 2:39:57 PM

Eurofins Xenco, 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: Kramer Jessica	Carrier Tracking No(s):	COC No: 880-2932.1
Client Contact: Shipping/Receiving	Phone:	E-Mail: jessica.kramer@eurofinset.com	State of Origin: Texas	Page: Page 1 of 1
Company: Eurofins Xenco		Accreditations Required (See note): NELAP Texas		Job #: 880-7180-1
Address: 4147 Greenbriar Dr	Due Date Requested: 10/19/2021			
City: Stafford	TAT Requested (days):			
State, Zip: TX, 77477				
Phone: 281-240-4200(Tel)	PO #:			
Email:	WO #:			
Project Name: #11 Diamond Cryo	Project #: 88000733			
Site:	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, 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=wastewater, BT=Tissue, A=Air)	Preservation Code:	Filtered Sample (Y/N)	Perform MS/MSD (Y/N)	TX_1006/TX_1005_S_Prep Standard List	TX_1005_Calc	6010C/1311T_M RCRA 11	7471B/1311_T Mercury	9012_ReactiveCN/7.3.3 Cyanide, Reactive	9034_Reactive/7.3.4 Sulfide, Reactive	1010_Calc	8045D/DI_LEACH_NP (MOD) Local Method	8270D/3550C Full List SVOCs	Total Number of Containers	Special Instructions/Note:
Contaminated Soil Used Oil (880-7180-1)	10/12/21	14:00 Central		Solid				X	X	X	X	X	X	X	X	X		

Temp: 0.8 IR ID HOU-223
C/F +0.0
Corrected Temp: 0.8

Note: Since laboratory accreditations are subject to change, Eurofins Xenco 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 Xenco LLC laboratory or other instructions will be provided. Any changes to accreditation status should be brought to Eurofins Xenco LLC attention immediately. If all requested accreditations are current to date, return the signed Chain of Custody attesting to said compliance to Eurofins Xenco 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	Kramer			Fedex		
2	Fedex				10/15/21 1030	
3						

Custody Seals Intact: Δ Yes Δ No	Custody Seal No.	Cooler Temperature(s) °C and Other Remarks:

Ver 06/08/2021

Released to Imaging: 12/12/2022 10:42:57 AM
Received by OCD: 3/21/2022 2:39:57 PM

Eurofins Xenco, 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: Kramer Jessica	Carrier Tracking No(s):	COC No: 880-2936.1
Client Contact: Shipping/Receiving	Phone:	E-Mail: jessica.kramer@eurofinset.com	State of Origin: Texas	Page: Page 1 of 1
Company: Eurofins Xenco		Accreditations Required (See note): NELAP Texas		Job #: 880-7233-1
Address: 4147 Greenbriar Dr	Due Date Requested: 10/20/2021			
City: Stafford	TAT Requested (days):			
State, Zip: TX, 77477				
Phone: 281-240-4200(Tel)	PO #:			
Email:	WO #:			
Project Name:	Project #: 88000953			
Site:	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, 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)	2320B	300_ORGFM_28D/ (MOD) Custom List	SM4500_H+/ pH and Temperature	2540C_Calcd	6010C/3010A (MOD) Custom List	D1429_08_A	2510B/ (MOD) Specific Conductance	Total_Number_of_containers	Special Instructions/Note:
			Preservation Code:												
Rustler #1/Lineberry Brine Station (880-7233-1)	10/13/21	Central		Water			X	X	X	X	X	X	X		

Temp: 0.8 IR ID.HOU-223
C/F +0.0
Corrected Temp: 0.8

Note: Since laboratory accreditations are subject to change, Eurofins Xenco 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 Xenco LLC laboratory or other instructions will be provided. Any changes to accreditation status should be brought to Eurofins Xenco LLC attention immediately. If all requested accreditations are current to date, return the signed Chain of Custody attesting to said compliance to Eurofins Xenco 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: 10/15/21 1030	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

Released to Imaging: 12/12/2022 10:42:57 AM
Received by OCD: 3/21/2022 2:39:57 PM

Eurofins Xenco, 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: Kramer Jessica	Carrier Tracking No(s):	COC No: 880-2932.1
Client Contact: Shipping/Receiving	Phone:	E-Mail: jessica.kramer@eurofinset.com	State of Origin: Texas	Page: Page 1 of 1
Company: Eurofins Xenco		Accreditations Required (See note): NELAP Texas		Job #: 880-7178-1
Address: 4147 Greenbriar Dr	Due Date Requested: 10/19/2021			
City: Stafford	TAT Requested (days):			
State, Zip: TX, 77477				
Phone: 281-240-4200(Tel)	PO #:			
Email:	WO #:			
Project Name: #9 Diamond Cryo	Project #: 88000733			
Site:	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, 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)	7470A/1311T_Hg	6010C/1311T_M Texas 11 Metals	9012_ReactiveCN/7.3.3	9034_Reactive/7.3.4	9040C	1010_Calc	TX_1005/TX_1005_W_Prep Standard List	TX_1005_Calc	8260C/5030C Full List VOCs	8270D/3510C Full List SVOCs	Total Number of Containers	Special Instructions/Note:
			Preservation Code:															
Green Fluid (880-7178-1)	10/12/21	14:00 Central		Water			X	X	X	X	X	X	X	X	X	X		

Temp. 0.8 IR ID:HOU-223
C/F: +0.0
Corrected Temp: 0.8

Note: Since laboratory accreditations are subject to change, Eurofins Xenco 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 Xenco LLC laboratory or other instructions will be provided. Any changes to accreditation status should be brought to Eurofins Xenco LLC attention immediately. If all requested accreditations are current to date, return the signed Chain of Custody attesting to said compliance to Eurofins Xenco 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						
2					10/15/21 1630	
3						

Custody Seals Intact: Δ Yes Δ No	Custody Seal No.	Cooler Temperature(s) °C and Other Remarks:

Ver: 06/08/2021

Released to Imaging: 12/12/2022 10:42:57 AM
Received by OCD: 3/21/2022 2:39:57 PM

Eurofins Xenco, 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: Kramer Jessica	Carrier Tracking No(s):	COC No: 880-2932.1
Client Contact: Shipping/Receiving	Phone:	E-Mail: jessica.kramer@eurofinset.com	State of Origin: Texas	Page: Page 1 of 1
Company: Eurofins Xenco		Accreditations Required (See note): NELAP Texas		Job #: 880-7174-1
Address: 4147 Greenbriar Dr	Due Date Requested: 10/20/2021			
City: Stafford	TAT Requested (days):			
State, Zip: TX, 77477				
Phone: 281-240-4200(Tel)	PO #:			
Email:	WO #:			
Project Name: #5 Diamond Cryo	Project #: 88000733			
Site:	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, 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)	7470A/1311T_Hg	6010C/1311T_M Texas 11 Metals	9012_ReactiveCN/7.3.3	9034_Reactive/7.3.4	9040C	1010_Calc	TX_1005/TX_1005_W_Prep Standard List	TX_1005_Calc	8270D/3510C Full List SVOCs				Total Number of containers	Special Instructions/Note:
			Preservation Code:																	
Used Gear Oil (880-7174-1)	10/12/21	09:30 Central		Water			X	X	X	X	X	X	X	X	X				3	

Temp: 0.8 IR ID HOU-223
C/F +0.0
Corrected Temp: 0.8

Note: Since laboratory accreditations are subject to change, Eurofins Xenco 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 Xenco LLC laboratory or other instructions will be provided. Any changes to accreditation status should be brought to Eurofins Xenco LLC attention immediately. If all requested accreditations are current to date, return the signed Chain of Custody attesting to said compliance to Eurofins Xenco 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	Kramer			FedEx		
2	FedEx				10/15/21 1030	EX
3						

Custody Seals Intact: Δ Yes Δ No	Custody Seal No.	Cooler Temperature(s) °C and Other Remarks.

Ver 06/08/2021

Released to Imaging: 12/12/2022 10:42:57 AM
Received by OCD: 3/21/2022 2:39:57 PM

Eurofins Xenco, 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: Kramer Jessica	Carrier Tracking No(s):	COC No: 880-2932.1
Client Contact: Shipping/Receiving	Phone:	E-Mail: jessica.kramer@eurofinset.com	State of Origin: Texas	Page: Page 1 of 1
Company: Eurofins Xenco		Accreditations Required (See note): NELAP Texas		Job #: 880-7176-1
Address: 4147 Greenbriar Dr	Due Date Requested: 10/19/2021			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: #7 Diamond Cryo	Project #: 88000733			
Site:	SSOW#:			

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)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	TX_1006/TX_1005_S_Prep Standard List	TX_1005_Calc	6010C/1311T_M RCRA 11	7471B/1311_T Mercury	9012_ReactiveCN/7.3.3 Cyanide, Reactive	9034_Reactive/7.3.4 Sulfide, Reactive	1010_Calc	9045D/DI_LEACH_NP (MOD) Local Method	6270D/3550C Full List SVOCs	Total Number of containers	Special Instructions/Note:
			Preservation Code:														
Used Oil (880-7176-1)	10/12/21	14:00 Central		Solid			X	X	X	X	X	X	X	X	X		

Temp: 0-8 IR ID:HOU-223
C/F:+0.0
Corrected Temp: 0-8

Note: Since laboratory accreditations are subject to change, Eurofins Xenco 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 Xenco LLC laboratory or other instructions will be provided. Any changes to accreditation status should be brought to Eurofins Xenco LLC attention immediately. If all requested accreditations are current to date, return the signed Chain of Custody attesting to said compliance to Eurofins Xenco 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	Kramer			FedEx		
2	FedEx				10/15/21 1030	CX
3						

Custody Seals Intact: Δ Yes Δ No	Custody Seal No.	Cooler Temperature(s) °C and Other Remarks.

Ver: 06/08/2021

Released to Imaging: 12/12/2022 10:42:57 AM
Received by OCD: 3/21/2022 2:39:57 PM

Eurofins Xenco, 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: Kramer Jessica	Carrier Tracking No(s):	COC No: 880-2932.1
Client Contact: Shipping/Receiving	Phone:	E-Mail: jessica.kramer@eurofinset.com	State of Origin: Texas	Page: Page 1 of 1
Company: Eurofins Xenco		Accreditations Required (See note): NELAP Texas		Job #: 880-7172-1
Address: 4147 Greenbriar Dr	Due Date Requested: 10/20/2021			
City: Stafford	TAT Requested (days):			
State, Zip: TX, 77477				
Phone: 281-240-4200(Tel)	PO #:			
Email:	WO #:			
Project Name: #3 Diamond Cryo	Project #: 88000733			
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)	7470A/1311T_Hg	6010C/1311T_M Texas 11 Metals	9012_ReactiveCN/7.3.3	9034_Reactive/7.3.4	9040C	1010_Calc	TX_1005/TX_1005_W_Prep Standard List	TX_1005_Calc	8270D/3510C Full List SVOCs	Total Number of Containers	Special Instructions/Note:
			Preservation Code:														
Use Engine Oil Water (880-7172-1)	10/12/21	09:30 Central		Water			X	X	X	X	X	X	X	X	X	3	

Temp 0.8 IR ID HOU-223
C/F +0.0
Corrected Temp: 0.8

Note: Since laboratory accreditations are subject to change, Eurofins Xenco 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 Xenco LLC laboratory or other instructions will be provided. Any changes to accreditation status should be brought to Eurofins Xenco LLC attention immediately. If all requested accreditations are current to date, return the signed Chain of Custody attesting to said compliance to Eurofins Xenco 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: Fed Ex	Date/Time:	Company		
Relinquished by: Fed Ex	Date/Time:	Company	Received by:	Date/Time: 10/15/21 1050	Company EX		
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

Released to Imaging: 12/12/2022 10:42:57 AM
Received by OCD: 3/21/2022 2:39:57 PM

Eurofins Xenco, 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: Kramer Jessica	Carrier Tracking No(s):	COC No: 880-2932.1
Client Contact: Shipping/Receiving	Phone:	E-Mail: jessica.kramer@eurofinset.com	State of Origin: Texas	Page: Page 1 of 1
Company: Eurofins Xenco		Accreditations Required (See note): NELAP Texas		Job #: 880-7177 1
Address: 4147 Greenbriar Dr	Due Date Requested: 10/19/2021			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) Other:
State, Zip: TX, 77477				
Phone: 281-240-4200(Tel)	PO #:			
Email:	WO #:			
Project Name: #8 Diamond Cryo	Project #: 88000733			
Site:	SSOW#:			

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)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	TX_1006/TX_1005_S_Prep Standard List	TX_1006_Calc	6010C/1311T_M RCRA 11	7471B/1311_T Mercury	9012_ReactiveCN/7.3.3 Cyanide, Reactive	9034_Reactive/7.3.4 Sulfide, Reactive	1010_Calc	9045D/DI_LEACH_NP (MOD) Local Method	8270D/3650C Full List SVOCs	Total Number of containers	Special Instructions/Note:
			Preservation Code:														
Used Hydraulic Oil/Water (880-7177-1)	10/12/21	14:00 Central		Solid			X	X	X	X	X	X	X	X	X		

Temp: 0.8 IR ID:HOU-223
C/F: +0.0
Corrected Temp: 0.8

Note: Since laboratory accreditations are subject to change, Eurofins Xenco 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 Xenco LLC laboratory or other instructions will be provided. Any changes to accreditation status should be brought to Eurofins Xenco LLC attention immediately. If all requested accreditations are current to date, return the signed Chain of Custody attesting to said compliance to Eurofins Xenco 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: 10/13/21 1030	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

Released to Imaging: 12/12/2022 10:42:57 AM
Received by OCD: 3/21/2022 2:39:57 PM

Eurofins Xenco, 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: Kramer Jessica	Carrier Tracking No(s):	COC No: 880-2932.1
Client Contact: Shipping/Receiving	Phone:	E-Mail: jessica.kramer@eurofinset.com	State of Origin: Texas	Page: Page 1 of 1
Company: Eurofins Xenco		Accreditations Required (See note): NELAP Texas		Job #: 880-7173-1
Address: 4147 Greenbriar Dr	Due Date Requested: 10/19/2021			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) Other
State, Zip: TX, 77477				
Phone: 281-240-4200(Tel)	PO #:			
Email:	WO #:			
Project Name: #4 Diamond Cryo	Project #: 88000733			
Site:	SSOW#:			

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)	Preservation Code:	FOR Filter For Diss Cd (Y/N)	Perform MS/MSD (Y/N)	TX_1005/TX_1005_S_Prep Standard List	TX_1006_Calc	6010C/1311T_M RCRA 11	7471B/1311_T Mercury	9012_ReactiveCN/7.3.3 Cyanide, Reactive	9034_Reactive/7.3.4 Sulfide, Reactive	1010_Calc	9045D/DI_LEACH_NP (MOD) Local Method	8270D/3550C Full List SVOCs	TCLP Num 1 (Y/N)	Special Instructions/Note:
Used Engine Oil (880-7173-1)	10/12/21	09:30 Central		Solid				X	X	X	X	X	X	X	X	X		

Temp: 0 - 8 IR ID:HOU-223
C/F: +0.0
Corrected Temp: 0.8

Note: Since laboratory accreditations are subject to change, Eurofins Xenco 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 Xenco LLC laboratory or other instructions will be provided. Any changes to accreditation status should be brought to Eurofins Xenco LLC attention immediately. If all requested accreditations are current to date, return the signed Chain of Custody attesting to said compliance to Eurofins Xenco 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	Kramer			Feder		
2	Feder				10/15/21 1030	ER
3						

Custody Seals Intact: Δ Yes Δ No	Custody Seal No.	Cooler Temperature(s) °C and Other Remarks:

Ver: 06/08/2021

Released to Imaging: 12/12/2022 10:42:57 AM
Received by OCD: 3/21/2022 2:39:57 PM

Eurofins Xenco, 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: Kramer Jessica	Carrier Tracking No(s):	COC No: 880-2932.1
Client Contact: Shipping/Receiving	Phone:	E-Mail: jessica.kramer@eurofinset.com	State of Origin: Texas	Page: Page 1 of 1
Company: Eurofins Xenco		Accreditations Required (See note): NELAP Texas		Job #: 880-7170-1
Address: 4147 Greenbriar Dr	Due Date Requested: 10/20/2021			
City: Stafford	TAT Requested (days):			
State, Zip: TX, 77477				
Phone: 281-240-4200(Tel)	PO #:			
Email:	WO #:			
Project Name: #1 Diamond Cryo	Project #: 88000733			
Site:	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, 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)	7470A/1311T_Hg	6010C/1311T_M Texas 11 Metals	9012_ReactiveCN/7.3.3	9034_Reactive/7.3.4	9040C	1010_Calc	TX_1005/TX_1005_W_Prep Standard List	TX_1005_Calc	8260C/6030C Full List VOCs	8270D/3810C Full List SVOCs	Total Number of Containers	Special Instructions/Note:
			Preservation Code:															
Waste Corrosive Inhibitor (880-7170-1)	10/12/21	Central		Water			X	X	X	X	X	X	X	X	X	X		

Temp 0.8 IR ID HOU-223
C/F +0.0
Corrected Temp 0.8

Note: Since laboratory accreditations are subject to change, Eurofins Xenco 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 Xenco LLC laboratory or other instructions will be provided. Any changes to accreditation status should be brought to Eurofins Xenco LLC attention immediately. If all requested accreditations are current to date, return the signed Chain of Custody attesting to said compliance to Eurofins Xenco 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	Kramer			Fedex		
2	FedEx				10/15/21 1030	EK
3						

Custody Seals Intact: Δ Yes Δ No	Custody Seal No.	Cooler Temperature(s) °C and Other Remarks:

Ver: 06/08/2021

Released to Imaging: 12/12/2022 10:42:57 AM
Received by OCD: 3/21/2022 2:39:57 PM

Eurofins Xenco, 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: Kramer Jessica	Carrier Tracking No(s):	COC No: 880-2932.1
Client Contact: Shipping/Receiving	Phone:	E-Mail: jessica.kramer@eurofinset.com	State of Origin: Texas	Page: Page 1 of 1
Company: Eurofins Xenco		Accreditations Required (See note): NELAP Texas		Job #: 880-7171-1
Address: 4147 Greenbriar Dr	Due Date Requested: 10/20/2021			
City: Stafford	TAT Requested (days):			
State, Zip: TX, 77477				
Phone: 281-240-4200(Tel)	PO #:			
Email:	WO #:			
Project Name: #2 Diamond Cryo	Project #: 88000733			
Site:	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, 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)	7470A/1311T_Hg	6010C/1311T_M Texas 11 Metals	9012_ReactiveCN/7.3.3	9034_Reactive/7.3.4	9040C	1010_Calc	TX_1005/TX_1005_W_Prep Standard List	TX_1005_Calc	8260C/5030C Full List VOCs	8270D/3510C Full List SVOCs				Total Number of Containers	Special Instructions/Note:
			Preservation Code:																		
Corrosive Inhibitor Waste (880-7171-1)	10/12/21	09:30 Central		Water			X	X	X	X	X	X	X	X	X	X				3	

Temp. 0.8 IR ID HOU-223
C/F +0.0
Corrected Temp: 0.8

Note: Since laboratory accreditations are subject to change, Eurofins Xenco 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 Xenco LLC laboratory or other instructions will be provided. Any changes to accreditation status should be brought to Eurofins Xenco LLC attention immediately. If all requested accreditations are current to date, return the signed Chain of Custody attesting to said compliance to Eurofins Xenco 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: KRAMER	Date/Time:	Company	Received by:	Date/Time:	Company
Relinquished by: Fed Ex	Date/Time:	Company	Received by:	Date/Time: 10/15/21 1030	Company ECR
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

Released to Imaging: 12/12/2022 10:42:57 AM
Received by OCD: 3/21/2022 2:39:57 PM

Eurofins Xenco, 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: Kramer Jessica	Carrier Tracking No(s):	COC No: 880-2933.1
Client Contact: Shipping/Receiving	Phone:	E-Mail: jessica.kramer@eurofinset.com	State of Origin: Texas	Page: Page 1 of 1
Company: Eurofins Xenco		Accreditations Required (See note): NELAP Texas		Job #: 880-7226-1
Address: 4147 Greenbriar Dr	Due Date Requested: 10/20/2021			
City: Stafford	TAT Requested (days):			
State, Zip: TX, 77477				
Phone: 281-240-4200(Tel)	PO #:			
Email:	WO #:			
Project Name: #13 Diamond Cryo	Project #: 88000733			
Site:	SSOW#:			

Analysis Requested

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)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	7470A/1311T_Hg	6010C/1311T_M Texas 11 Metals	9012_ReactiveCN/7.3.3	9034_Reactive/7.3.4	9040C	1010_Calc	TX_1005/TX_1005_W_Prep Standard List	TX_1005_Calc	8270D/3510C Full List SVOCs				Total Number of Containers	Special Instructions/Note:
			Preservation Code:																	
Contaminated Refrigerant Oil (880-7226-1)	10/13/21	15:30 Central		Water			X	X	X	X	X	X	X	X	X				1	

Temp. 0.8 IR ID:HOU-223
C/F: +0.0
Corrected Temp: 0.8

Note: Since laboratory accreditations are subject to change, Eurofins Xenco 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 Xenco LLC laboratory or other instructions will be provided. Any changes to accreditation status should be brought to Eurofins Xenco LLC attention immediately. If all requested accreditations are current to date, return the signed Chain of Custody attesting to said compliance to Eurofins Xenco LLC.

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

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
	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
	Relinquished by:	Date/Time:	Company	Received by:	Date/Time: 10/15/21 1030	Company EK

Custody Seals Intact: Δ Yes Δ No | Custody Seal No.

Cooler Temperature(s) °C and Other Remarks:

Ver: 06/08/2021

Released to Imaging: 12/12/2022 10:42:57 AM
Received by OCD: 3/21/2022 2:39:57 PM

Eurofins Xenco, 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: Kramer Jessica	Carrier Tracking No(s):	COC No: 880-2933.1
Client Contact: Shipping/Receiving	Phone:	E-Mail: jessica.kramer@eurofinset.com	State of Origin: Texas	Page: Page 1 of 1
Company: Eurofins Xenco		Accreditations Required (See note): NELAP Texas		Job #: 880-7227-1
Address: 4147 Greenbriar Dr	Due Date Requested: 10/20/2021			
City: Stafford	TAT Requested (days):			
State, Zip: TX, 77477				
Phone: 281-240-4200(Tel)	PO #:			
Email:	WO #:			
Project Name: #6 Diamond Cryo	Project #: 88000733			
Site:	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, 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)	TX_1005/TX_1005_S_Prep Standard List	TX_1005_Calc	6010C/1311T_M RCRA 11	7471B/1311_T Mercury	9012_ReactiveCN/7.3.3 Cyanide, Reactive	9034_Reactive/7.3.4 Sulfide, Reactive	1010_Calc	9045D/DI_LEACH_NP (MOD) Local Method	8270D/3550C Full List SVOCs	Total Number of Containers	Special Instructions/Note:
			Preservation Code:														
Contaminated Soil Oil (880-7227 1)	10/13/21	14:30 Central		Solid			X	X	X	X	X	X	X	X	X		

Temp 0.8 IR ID.HOU-223
C/F +0.0
Corrected Temp: 0.8

Note: Since laboratory accreditations are subject to change, Eurofins Xenco 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 Xenco LLC laboratory or other instructions will be provided. Any changes to accreditation status should be brought to Eurofins Xenco LLC attention immediately. If all requested accreditations are current to date, return the signed Chain of Custody attesting to said compliance to Eurofins Xenco 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	Kramer			FedEx		
2	FedEx				10/15/21 1030	Eurofins
3						

Custody Seals Intact: Δ Yes Δ No	Custody Seal No.	Cooler Temperature(s) °C and Other Remarks:

Ver 06/08/2021

Login Sample Receipt Checklist

Client: ARCADIS U.S. Inc Job Number: 880-7223-1

Login Number: 7223 **List Source: Eurofins Xenco, Midland**
List Number: 1
Creator: Kramer, Jessica

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: 880-7223-1

Login Number: 7223
List Number: 2
Creator: Palmar, Pedro

List Source: Eurofins Xenco, Stafford
List Creation: 10/15/21 12:06 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 Xenco, Midland
1211 W. Florida Ave
Midland, TX 79701
Tel: (432)704-5440

Laboratory Job ID: 880-7143-1
Client Project/Site: North Eunice Project

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

Attn: Rebecca Andresen

Authorized for release by:
10/20/2021 9:26:51 AM

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: North Eunice Project

Laboratory Job ID: 880-7143-1

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Definitions/Glossary

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

Job ID: 880-7143-1

Qualifiers

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
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

Case Narrative

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

Job ID: 880-7143-1

Job ID: 880-7143-1

Laboratory: Eurofins Xenco, Midland

Narrative

Job Narrative
880-7143-1

Receipt
The samples were received on 10/12/2021 6:00 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 1.3°C

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

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

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

Released to Imaging: 12/12/2022 10:42:57 AM

Client Sample Results

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

Job ID: 880-7143-1

Client Sample ID: MW-085SA-W-211012

Lab Sample ID: 880-7143-1
Matrix: Water
Date Collected: 10/12/21 14:25
Date Received: 10/12/21 18:00

Method: 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	1390		5.00	2.00	mg/L			10/16/21 07:13	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		10/15/21 09:10	10/15/21 16:47	1
Chromium	0.0217		0.00400	0.000525	mg/L		10/15/21 09:10	10/15/21 16:47	1
Iron	<0.0227	U	0.100	0.0227	mg/L		10/15/21 09:10	10/15/21 16:47	1
Manganese	0.0432		0.00200	0.000199	mg/L		10/15/21 09:10	10/15/21 16:47	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	3270		40.0	40.0	mg/L			10/15/21 16:56	1

General Chemistry - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cr (VI)	0.0184		0.0100	0.00273	mg/L			10/13/21 12:18	1

Client Sample ID: MW-084SA-W-211012

Lab Sample ID: 880-7143-2
Matrix: Water
Date Collected: 10/12/21 14:55
Date Received: 10/12/21 18:00

Method: 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	1010		5.00	2.00	mg/L			10/16/21 07:24	10

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	0.00810		0.00400	0.000246	mg/L		10/15/21 09:10	10/15/21 16:50	1
Chromium	0.0164		0.00400	0.000525	mg/L		10/15/21 09:10	10/15/21 16:50	1
Iron	<0.0227	U	0.100	0.0227	mg/L		10/15/21 09:10	10/15/21 16:50	1
Manganese	0.000584	J	0.00200	0.000199	mg/L		10/15/21 09:10	10/15/21 16:50	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	2520		40.0	40.0	mg/L			10/15/21 16:56	1

General Chemistry - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cr (VI)	0.0195		0.0100	0.00273	mg/L			10/13/21 12:18	1

Client Sample ID: MW-064SA-W-211012

Lab Sample ID: 880-7143-3
Matrix: Water
Date Collected: 10/12/21 15:12
Date Received: 10/12/21 18:00

Method: 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	1400		5.00	2.00	mg/L			10/16/21 07:34	10

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	0.00811		0.00400	0.000246	mg/L		10/15/21 09:10	10/15/21 16:53	1
Chromium	0.0457		0.00400	0.000525	mg/L		10/15/21 09:10	10/15/21 16:53	1

Client Sample Results

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

Job ID: 880-7143-1

Client Sample ID: MW-064SA-W-211012
Lab Sample ID: 880-7143-3
Date Collected: 10/12/21 15:12
Matrix: Water
Date Received: 10/12/21 18:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Iron	<0.0227	U	0.100	0.0227	mg/L		10/15/21 09:10	10/15/21 16:53	1
Manganese	**0.00126**	**J**	0.00200	0.000199	mg/L		10/15/21 09:10	10/15/21 16:53	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	**3220**		40.0	40.0	mg/L			10/15/21 16:56	1

General Chemistry - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cr (VI)	**0.0568**		0.0100	0.00273	mg/L			10/13/21 12:18	1

Client Sample ID: MW-100-1-211012
Lab Sample ID: 880-7143-4
Date Collected: 10/12/21 13:31
Matrix: Water
Date Received: 10/12/21 18:00

Method: 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**888**		5.00	2.00	mg/L			10/16/21 07:44	10

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	**0.00634**		0.00400	0.000246	mg/L		10/15/21 09:10	10/15/21 16:56	1
Chromium	<0.000525	U	0.00400	0.000525	mg/L		10/15/21 09:10	10/15/21 16:56	1
Iron	<0.0227	U	0.100	0.0227	mg/L		10/15/21 09:10	10/15/21 16:56	1
Manganese	**0.416**		0.00200	0.000199	mg/L		10/15/21 09:10	10/15/21 16:56	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	**2260**		40.0	40.0	mg/L			10/15/21 16:56	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			10/13/21 12:18	1

Client Sample ID: MW-075SA-W-211012
Lab Sample ID: 880-7143-5
Date Collected: 10/12/21 14:35
Matrix: Water
Date Received: 10/12/21 18:00

Method: 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**518**		5.00	2.00	mg/L			10/16/21 07:55	10

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	**0.00995**		0.00400	0.000246	mg/L		10/15/21 09:10	10/15/21 16:59	1
Chromium	**0.0106**		0.00400	0.000525	mg/L		10/15/21 09:10	10/15/21 16:59	1
Iron	**0.0240**	**J**	0.100	0.0227	mg/L		10/15/21 09:10	10/15/21 16:59	1
Manganese	**0.000824**	**J**	0.00200	0.000199	mg/L		10/15/21 09:10	10/15/21 16:59	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	**1820**		20.0	20.0	mg/L			10/15/21 16:56	1

Client Sample Results

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

Job ID: 880-7143-1

Client Sample ID: MW-075SA-W-211012

Lab Sample ID: 880-7143-5

Date Collected: 10/12/21 14:35
Matrix: Water
Date Received: 10/12/21 18:00

General Chemistry - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cr (VI)	0.0114		0.0100	0.00273	mg/L			10/13/21 12:18	1

QC Sample Results

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

Job ID: 880-7143-1

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 860-26861/38
Matrix: Water
Analysis Batch: 26861

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			10/16/21 03:04	1

Lab Sample ID: LCS 860-26861/39
Matrix: Water
Analysis Batch: 26861

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	10.46		mg/L		105	90 - 110

Lab Sample ID: LCSD 860-26861/40
Matrix: Water
Analysis Batch: 26861

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	10.03		mg/L		100	90 - 110	4	20

Method: 7196A - Chromium, Hexavalent

Lab Sample ID: MB 880-9801/3
Matrix: Water
Analysis Batch: 9801

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			10/13/21 12:18	1

Lab Sample ID: LCS 880-9801/4
Matrix: Water
Analysis Batch: 9801

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	0.04005		mg/L		100	85 - 115

Lab Sample ID: LCSD 880-9801/5
Matrix: Water
Analysis Batch: 9801

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	0.04005		mg/L		100	85 - 115	0	20

Lab Sample ID: 880-7143-4 MS
Matrix: Water
Analysis Batch: 9801

Client Sample ID: MW-100-1-211012
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	0.1934		mg/L		97	85 - 115

QC Sample Results

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

Job ID: 880-7143-1

Method: 7196A - Chromium, Hexavalent (Continued)

Lab Sample ID: 880-7143-4 MSD
Matrix: Water
Analysis Batch: 9801

Client Sample ID: MW-100-1-211012
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	0.1940		mg/L		97	85 - 115	0	20

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

Lab Sample ID: MB 860-26855/1
Matrix: Water
Analysis Batch: 26855

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			10/15/21 16:56	1

Lab Sample ID: LCS 860-26855/2
Matrix: Water
Analysis Batch: 26855

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	1050		mg/L		105	80 - 120

Lab Sample ID: LCSD 860-26855/3
Matrix: Water
Analysis Batch: 26855

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	1021		mg/L		102	80 - 120	3	10

QC Association Summary

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

Job ID: 880-7143-1

HPLC/IC

Analysis Batch: 26861

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-7143-1	MW-085SA-W-211012	Total/NA	Water	300.0	
880-7143-2	MW-084SA-W-211012	Total/NA	Water	300.0	
880-7143-3	MW-064SA-W-211012	Total/NA	Water	300.0	
880-7143-4	MW-100-1-211012	Total/NA	Water	300.0	
880-7143-5	MW-075SA-W-211012	Total/NA	Water	300.0	
MB 860-26861/38	Method Blank	Total/NA	Water	300.0	
LCS 860-26861/39	Lab Control Sample	Total/NA	Water	300.0	
LCSD 860-26861/40	Lab Control Sample Dup	Total/NA	Water	300.0	

Metals

Prep Batch: 26729

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-7143-1	MW-085SA-W-211012	Dissolved	Water	3010A	
880-7143-2	MW-084SA-W-211012	Dissolved	Water	3010A	
880-7143-3	MW-064SA-W-211012	Dissolved	Water	3010A	
880-7143-4	MW-100-1-211012	Dissolved	Water	3010A	
880-7143-5	MW-075SA-W-211012	Dissolved	Water	3010A	

Analysis Batch: 26834

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-7143-1	MW-085SA-W-211012	Dissolved	Water	6020A	26729
880-7143-2	MW-084SA-W-211012	Dissolved	Water	6020A	26729
880-7143-3	MW-064SA-W-211012	Dissolved	Water	6020A	26729
880-7143-4	MW-100-1-211012	Dissolved	Water	6020A	26729
880-7143-5	MW-075SA-W-211012	Dissolved	Water	6020A	26729

General Chemistry

Analysis Batch: 9801

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-7143-1	MW-085SA-W-211012	Dissolved	Water	7196A	
880-7143-2	MW-084SA-W-211012	Dissolved	Water	7196A	
880-7143-3	MW-064SA-W-211012	Dissolved	Water	7196A	
880-7143-4	MW-100-1-211012	Dissolved	Water	7196A	
880-7143-5	MW-075SA-W-211012	Dissolved	Water	7196A	
MB 880-9801/3	Method Blank	Total/NA	Water	7196A	
LCS 880-9801/4	Lab Control Sample	Total/NA	Water	7196A	
LCSD 880-9801/5	Lab Control Sample Dup	Total/NA	Water	7196A	
880-7143-4 MS	MW-100-1-211012	Dissolved	Water	7196A	
880-7143-4 MSD	MW-100-1-211012	Dissolved	Water	7196A	

Analysis Batch: 26855

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-7143-1	MW-085SA-W-211012	Total/NA	Water	SM 2540C	
880-7143-2	MW-084SA-W-211012	Total/NA	Water	SM 2540C	
880-7143-3	MW-064SA-W-211012	Total/NA	Water	SM 2540C	
880-7143-4	MW-100-1-211012	Total/NA	Water	SM 2540C	
880-7143-5	MW-075SA-W-211012	Total/NA	Water	SM 2540C	
MB 860-26855/1	Method Blank	Total/NA	Water	SM 2540C	
LCS 860-26855/2	Lab Control Sample	Total/NA	Water	SM 2540C	
LCSD 860-26855/3	Lab Control Sample Dup	Total/NA	Water	SM 2540C	

Lab Chronicle

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

Job ID: 880-7143-1

Client Sample ID: MW-085SA-W-211012
Lab Sample ID: 880-7143-1
Date Collected: 10/12/21 14:25
Matrix: Water
Date Received: 10/12/21 18:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	300.0		10			26861	10/16/21 07:13	WP	XEN STF
Dissolved	Prep	3010A			50 mL	50 mL	26729	10/15/21 09:10	MD	XEN STF
Dissolved	Analysis	6020A		1			26834	10/15/21 16:47	DCL	XEN STF
Dissolved	Analysis	7196A		1	100 mL	100 mL	9801	10/13/21 12:18	SC	XEN MID
Total/NA	Analysis	SM 2540C		1	25 mL	200 mL	26855	10/15/21 16:56	ADL	XEN STF

Client Sample ID: MW-084SA-W-211012
Lab Sample ID: 880-7143-2
Date Collected: 10/12/21 14:55
Matrix: Water
Date Received: 10/12/21 18:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	300.0		10			26861	10/16/21 07:24	WP	XEN STF
Dissolved	Prep	3010A			50 mL	50 mL	26729	10/15/21 09:10	MD	XEN STF
Dissolved	Analysis	6020A		1			26834	10/15/21 16:50	DCL	XEN STF
Dissolved	Analysis	7196A		1	100 mL	100 mL	9801	10/13/21 12:18	SC	XEN MID
Total/NA	Analysis	SM 2540C		1	25 mL	200 mL	26855	10/15/21 16:56	ADL	XEN STF

Client Sample ID: MW-064SA-W-211012
Lab Sample ID: 880-7143-3
Date Collected: 10/12/21 15:12
Matrix: Water
Date Received: 10/12/21 18:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	300.0		10			26861	10/16/21 07:34	WP	XEN STF
Dissolved	Prep	3010A			50 mL	50 mL	26729	10/15/21 09:10	MD	XEN STF
Dissolved	Analysis	6020A		1			26834	10/15/21 16:53	DCL	XEN STF
Dissolved	Analysis	7196A		1	100 mL	100 mL	9801	10/13/21 12:18	SC	XEN MID
Total/NA	Analysis	SM 2540C		1	25 mL	200 mL	26855	10/15/21 16:56	ADL	XEN STF

Client Sample ID: MW-100-1-211012
Lab Sample ID: 880-7143-4
Date Collected: 10/12/21 13:31
Matrix: Water
Date Received: 10/12/21 18:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	300.0		10			26861	10/16/21 07:44	WP	XEN STF
Dissolved	Prep	3010A			50 mL	50 mL	26729	10/15/21 09:10	MD	XEN STF
Dissolved	Analysis	6020A		1			26834	10/15/21 16:56	DCL	XEN STF
Dissolved	Analysis	7196A		1	100 mL	100 mL	9801	10/13/21 12:18	SC	XEN MID
Total/NA	Analysis	SM 2540C		1	25 mL	200 mL	26855	10/15/21 16:56	ADL	XEN STF

Lab Chronicle

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

Job ID: 880-7143-1

Client Sample ID: MW-075SA-W-211012

Lab Sample ID: 880-7143-5

Date Collected: 10/12/21 14:35
Date Received: 10/12/21 18:00

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	300.0		10			26861	10/16/21 07:55	WP	XEN STF
Dissolved	Prep	3010A			50 mL	50 mL	26729	10/15/21 09:10	MD	XEN STF
Dissolved	Analysis	6020A		1			26834	10/15/21 16:59	DCL	XEN STF
Dissolved	Analysis	7196A		1	100 mL	100 mL	9801	10/13/21 12:18	SC	XEN MID
Total/NA	Analysis	SM 2540C		1	50 mL	200 mL	26855	10/15/21 16:56	ADL	XEN STF

Laboratory References:

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

XEN STF = Eurofins Xenco, Stafford, 4147 Greenbriar Dr, Stafford, TX 77477, TEL (281)240-4200

Accreditation/Certification Summary

Client: ARCADIS U.S. Inc
Job ID: 880-7143-1
Project/Site: North Eunice Project

Laboratory: Eurofins Xenco, Midland

The accreditations/certifications listed below are applicable to this report.

Authority	Program	Identification Number	Expiration Date
Texas	NELAP	T104704400-21-22	06-30-22

Laboratory: Eurofins Xenco, Stafford

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: North Eunice Project

Job ID: 880-7143-1

Method	Method Description	Protocol	Laboratory
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

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.

Laboratory References:

XEN MID = Eurofins Xenco, Midland, 1211 W. Florida Ave, Midland, TX 79701, TEL (432)704-5440
XEN STF = Eurofins Xenco, Stafford, 4147 Greenbriar Dr, Stafford, TX 77477, TEL (281)240-4200

Sample Summary

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

Job ID: 880-7143-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
880-7143-1	MW-085SA-W-211012	Water	10/12/21 14:25	10/12/21 18:00
880-7143-2	MW-084SA-W-211012	Water	10/12/21 14:55	10/12/21 18:00
880-7143-3	MW-064SA-W-211012	Water	10/12/21 15:12	10/12/21 18:00
880-7143-4	MW-100-1-211012	Water	10/12/21 13:31	10/12/21 18:00
880-7143-5	MW-075SA-W-211012	Water	10/12/21 14:35	10/12/21 18:00

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

Chain of Custody Record

eurofins Environment Testing America

880-7143 Chain of Custody

Client Information	Sampler: Daniel McGee	Lab PM: Builes John	Carrier Tracking No(s):
Client Contact: Callum Ferguson	Phone: 432-999-7980	E-Mail: john.builes@eurofinset.com	State of Origin:
Company: ARCADIS U S Inc.	PWSID:		
Address: 1004 North Big Spring Suite 300	Due Date Requested:		
City: Midland	TAT Requested (days):		
State Zip: TX, 79701	Compliance Project: Δ Yes Δ No		
Phone: 206-295-3273(Tel)	PO #: Purchase Order not required		
Email: Callum.Ferguson@arcadis.com	WO #:		
Project Name: Eunice Project	Project #: 88000209		
Site: North Eunice	SSOW#:		

Analysis Requested

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, 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 - Chloride	6020A - (MOD) Custom List	2540C_Calcd Local Method	8015MOD_NM - Full TPH	8021B BTEX	7196A - Local Method	Total Number of containers	Special Instructions/Note
			Preservation Code:				N	D	N	A	A	N		
MW-085SA-W-211012	101221	1425	G	W	X		X	X	X			X	4	
MW-084SA-W-211012	101221	1455	G	W	X		X	X	X			X	4	
MW-086SA-W-211012	101221	1512	G	W	X		X	X	X			X	4	4 ZnAc
MW-100-W-211012	101221	1331	G	W	X		X	X	X			X	4	
~~MW-075-W-211012~~ MW-075SA-W-211012	101221	1435	G	W	X		X	X	X			X	4	

101221

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
		101221 / 1800	Arcadis		10.12.21 1800	
	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: 12/1.3

Ver: 01/16/2019

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Received by OCD: 3/21/2022 2:39:57 PM
Page 16 of 18
10/20/2021
Released to Imaging: 12/12/2022 10:42:57 AM

Login Sample Receipt Checklist

Client: ARCADIS U.S. Inc Job Number: 880-7143-1

Login Number: 7143 **List Source: Eurofins Xenco, Midland**
List Number: 1
Creator: Kramer, Jessica

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: 880-7143-1

Login Number: 7143
List Number: 2
Creator: Palmar, Pedro

List Source: Eurofins Xenco, Stafford
List Creation: 10/14/21 11:45 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?	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	

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

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

CONDITIONS

Action 91726

CONDITIONS

Operator: CHEVRON U S A INC 6301 Deauville Blvd Midland, TX 79706	OGRID: 4323
	Action Number: 91726
	Action Type: [UF-GWA] Ground Water Abatement (GROUND WATER ABATEMENT)

CONDITIONS

Created By	Condition	Condition Date
nvelez	Review of 2021 Annual GW Monitoring Report: Content satisfactory 1. Continue semi-annual groundwater monitoring as described in Summary section of report. 2. Recover LNAPL using hand bailing techniques when observed in thicknesses greater than 0.1 feet 3. Submit the Annual Monitoring Report to the NMOCD no later than March 31, 2023.	12/12/2022