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March 24, 2020

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

Re: Former Eunice North Gas Plant
2019 Annual Groundwater Monitoring Report
Eunice, Lea County, New Mexico

Dear Mr. Billings,

Please find enclosed the 2019 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 Rebecca Andresen with Arcadis at 206-726-4717 or myself at 832-854-5601, should you have any questions.

Sincerely,

Jason Michelson

Jason Michelson

ARCADIS Design & Consultancy for natural and built assets

Chevron Environmental Management Company

2019 ANNUAL GROUNDWATER MONITORING REPORT

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

March 24, 2020

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2019 ANNUAL GROUNDWATER MONITORING REPORT

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

Prepared for:
Chevron Environmental Management Company

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Our Ref.:
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Date:
March 24, 2020

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ACRONYMS AND ABBREVIATIONS

amsl	above mean sea level
Arcadis	Arcadis U.S., Inc.
BTEX	benzene, toluene, ethylbenzene, and xylenes
CEMC	Chevron Environmental Management Company
CV	coefficient of variation
DRO	diesel-range organics
ft	foot
ft/ft	feet per foot
GRO	gasoline-range organics
HS	HydraSleeve™
J	estimated concentration qualifier
LNAPL	light nonaqueous phase liquid
mg/L	milligram per liter
NMWQCC	New Mexico Water Quality Control Commission
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

Arcadis U.S., Inc. (Arcadis) has prepared this 2019 Annual Groundwater Monitoring Report on behalf of Chevron Environmental Management Company (CEMC). This report summarizes semiannual groundwater monitoring activities conducted in 2019 at the former Eunice North Gas Plant (Site). Data presented in this report were collected during two semiannual groundwater monitoring events conducted during April and October 2019.

The Site is located approximately 0.5 mile north of Eunice, New Mexico in Lea County, 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. A Site location map is presented as Figure 1. A well location map and monitoring plan is presented as Figure 2 for more site details. Additional Site background information is included 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.

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2 GROUNDWATER MONITORING ACTIVITIES

Groundwater at the Site is monitored semiannually from a network of 80 wells (Arcadis 2017). Spring monitoring events include sampling and gauging 80 wells and fall events include a reduced set of 68 wells. Well locations and sampling frequency are shown on Figure 2 and Table 1 presents the summary of 2019 groundwater monitoring. Arcadis performed semiannual groundwater sampling events on April 9 through April 17, 2019 and October 7 through 11, 2019.

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. April and October 2019 field parameter readings are summarized 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 2019 elevations is presented as Figure 3. During the spring event, two wells (MW016A and MW044) were not accessible for gauging. During the fall event, three wells (MW016A, MW053SA, and MW078SA) were not accessible for gauging. Data collected during the semiannual monitoring events indicate the following:

- Groundwater elevations ranged from 3,353.78 feet above mean sea level (ft amsl; MW086SA) to 3,384.60 ft amsl (MW061) during the April 2019 semiannual gauging event and
- 3,353.69 ft amsl (MW086SA) to 3,384.52 ft amsl (MW061) during the October 2019 semiannual gauging event.
- The groundwater elevations during the 2019 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 2, with historical elevation data compiled in Appendix C. The annual groundwater potentiometric surface map for April 2019 is presented on Figure 3.
- The calculated average gradient is approximately 0.004 feet per foot (ft/ft) to the northeast; however, the gradient steepens from less than 0.001 ft/ft at the upgradient end of the plume to approximately 0.01 ft/ft at the downgradient end of the plume.

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- LNAPL was measured at MW006 during the spring and fall 2019 monitoring events at 0.10 foot and 0.14 foot, respectively. LNAPL has been intermittently measured at MW006 since 2012, with thicknesses ranging from 0.01 foot to 3.55 feet; however, has not been detected in any other site wells. 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.

2.3 Groundwater Analytical Results

In 2019, analytical groundwater samples were collected from 74 wells during the spring monitoring event and from 63 wells during the fall monitoring event. Additionally, seven duplicate samples were collected during the spring monitoring event and eight duplicate samples were collected during the fall monitoring event for quality control purposes. During the events, six wells were not sampled that were included in the sampling plan (Table 1), for the following reasons:

- MW006, LNAPL present in well during spring and fall
- MW016A, locked gate
- MW044, well buried
- MW053SA, locked gate
- MW067SA, assumed obstruction in well causing insufficient water in HS for sample
- MW078SA, HS dry (spring), locked gate (fall)

Samples were sent to Xenco Laboratories in Midland, Texas for analysis of dissolved metals; total dissolved solids (TDS) and chloride; benzene, toluene, ethylbenzene, and xylenes (BTEX); diesel-range organics (DRO); and gasoline-range organics (GRO). Analytical results from 2019 were compared to the New Mexico Water Quality Control Commission (NMWQCC) Groundwater Standards and summarized 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 2018 through present are presented in Appendices E and F, respectively.

2.3.1 Benzene, Toluene, Ethylbenzene, and Xylenes

Groundwater samples collected from six well locations during the spring and fall 2019 monitoring events were analyzed by United States Environmental Protection Agency (USEPA) Methods 8021B for BTEX and 8015B for DRO and GRO (Table 1). During these events, benzene was detected above the NMWQCC groundwater standard of 0.005 milligrams per liter (mg/L) in samples collected from one of the wells (MW037) with concentrations of 0.719 D mg/L during the spring 2019 event and 0.0926 mg/L during the fall 2019 event. Analytical results for the samples collected for ethylbenzene, toluene, and xylenes were each below their respective standards. There are no NMQWCC Groundwater Standards established for DRO or GRO. Results are summarized in Tables 5 and 6.

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2.3.2 Chloride and Total Dissolved Solids

Groundwater samples were collected from 74 well locations in spring 2019 and 63 well locations in fall 2019, and 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 2019 monitoring events, respectively. Results are summarized as follows:

- *Chloride.* The NMWQCC standard of 250 mg/L was exceeded at 66 of 74 locations with a maximum concentration of 9,650 mg/L (MW069) in spring 2019. The NMWQCC standard was exceeded at 53 of 63 locations with a maximum concentration of 9,140 mg/L (MW069) in fall 2019.
- *TDS.* The NMWQCC standard of 1,000 mg/L was exceeded at 66 of 74 locations with a maximum concentration of 14,800 mg/L (MW069) in spring 2019. The NMWQCC standard was exceeded at 56 of 63 locations with a maximum concentration of 15,500 mg/L (MW068) in fall 2019.

Results for the Spring and Fall 2019 sampling events are summarized in Tables 7 and 8, respectively. Historical results are presented in Appendices E and F.

2.3.3 Dissolved Metals

Groundwater samples were collected from 74 well locations in spring 2019 and 63 well locations in fall 2019 and were analyzed by USEPA Method 6020A for dissolved arsenic, dissolved total chromium, dissolved iron, and dissolved manganese; and USEPA Method 7196A for dissolved hexavalent chromium (Table 1). Figures 6 through 9 present 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 0.1 mg/L was not exceeded at any location during either event in 2019.
- *Dissolved total chromium*. The NMWQCC standard of 0.05 mg/L was exceeded in 32 of 74 locations with a maximum concentration of 3.77 [3.97] mg/L (MW095) in spring 2019. The NMWQCC standard was exceeded at 26 of 63 locations, with a maximum concentration of 3.29 [3.58] mg/L (MW095) in fall 2019. Field duplicate results are presented in brackets. Figures 6 and 7 present dissolved chromium isoconcentrations during the spring 2019 and fall events, respectively.
- *Dissolved hexavalent chromium*. The NMWQCC standard of 0.05 mg/L was exceeded in 27 of 74 locations with a maximum concentration of 3.46 J [3.54] mg/L (MW095) in spring 2019. The NMWQCC standard was exceeded at 26 of 63 locations, with a maximum concentration of 3.02 [3.11 J] mg/L (MW095) in fall 2019. Figures 7 and 8 present dissolved hexavalent chromium isoconcentrations during the spring and fall 2019 events, respectively.
- *Dissolved iron*. The NMWQCC standard of 1 mg/L was exceeded in 10 of 74 locations, with a maximum concentration of 35.9 mg/L (MW008M) in spring 2019. The NMWQCC standard was exceeded at 5 of 63 locations, with a maximum concentration of 26.5 mg/L (MW008M) in fall 2019.
- *Dissolved manganese*. The NMWQCC standard of 0.2 mg/L was exceeded in 12 of 74 wells, with a maximum concentration of 12.5 mg/L (MW060) in spring 2019. The NMWQCC standard was exceeded at 11 of 63 locations, with a maximum concentration of 6.47 mg/L (MW060) in fall 2019.

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Results for the Spring and Fall 2019 sampling events are summarized in Tables 7 and 8, respectively. Historical results are presented 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 select 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 serve as representatives of the conditions within the respective plume areas. Trends will be evaluated on an annual basis.

The Mann-Kendall trend test is a non-parametric test that determines trends based on ranked data. As such, it is relatively insensitive to outlier values and non-detect 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). 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% 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 over 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 the spring of 2016.

2.4.2 Dissolved Chromium Trend Analysis Results

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

Western and Southern Plume (upgradient; off-site):

- MW094, located at the south eastern plume fringe, dissolved chromium concentrations ranged between 1.53 mg/L (April 2019) and 1.81 mg/L (May 2016), and indicate a statistically significant decreasing trend (Appendix G, Figure G-1). All concentrations since HS sampling began have exceeded the NMWQCC standard for dissolved chromium.
- MW058 dissolved chromium concentrations were between 2.46 mg/L (May 2016) and 3.16 mg/L (April 2019), and indicate a statistically significant increasing trend (Appendix G, Figure G-2). All concentrations since HS sampling began in spring 2016 have exceeded the NMWQCC standard for dissolved chromium.

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- MW013 dissolved chromium concentrations were between 0.943 mg/L (May 2016) and 2.54 mg/L (April 2019), and indicate a statistically significant increasing trend (Appendix G, Figure G-3). All concentrations since HS sampling began have exceeded the NMWQCC standard for dissolved chromium.

Eastern Plume (downgradient; off-site):

- MW041A concentrations ranged between 0.189 mg/L (May 2016) and 0.210 J mg/L (September 2017), and do not indicate a statistically significant trend (Appendix G, Figure G-4). The coefficient of variation of 0.04 indicate concentrations are stable. All concentrations since HS sampling began have exceeded the NMWQCC 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 2017 to present, as the first data point (May 2016) is significantly lower. Mann-Kendall results of this adjusted time period indicate a statistically significant decreasing trend (Appendix G, Figure G-5). All concentrations since May 2017 have exceeded the NMWQCC standard for dissolved chromium.
- MW085SA, located just upgradient of the historical injection transect, dissolved chromium concentrations were between 0.0101 mg/L (May 2016) and 0.0559 mg/L (April 2019), and indicate a statistically significant increasing trend (Appendix G, Figure G-6). Only one result (April 2019) has exceeded the NMWQCC standard for dissolved chromium since HS sampling began.
- MW086SA, located downgradient of the historical injection transect, dissolved chromium concentrations have ranged between 0.0340 mg/L (September 2018) and 0.0762 mg/L (October 2019). Trend direction has been variable since HS sampling began, but, under visual observation, concentrations have been generally increasing since September 2018 (Appendix G, Figure G-7). Concentrations have exceeded the NMWQCC standard for dissolved chromium in three of the eight results collected since HS sampling began.

Given the direction of groundwater flow, is reasonable that assumed source area concentrations in the southwestern plume fringe are decreasing near MW094 and potentially migrating down6gradient within the existing plume to the areas represented by MW058 and MW013. Concentrations remaining stable near MW041A and decreasing at local hotspots (MW051SA) within the plume downgradient of the site, along with increased concentrations at the leading edge (MW085SA) with variable trends seen downgradient of historical treatment areas (MW086SA), may indicate a natural plume progression and potential rebound especially since no active treatment is implemented at this time. A summary map of the dissolved chromium trend analyses is provided in Appendix G, Figure G-18.

2.4.3 Chloride Trend Analysis Results

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

Western and Southern Plume (off-site):

- MW069, located on the western-most plume fringe, chloride concentrations were between 715 mg/L (September 2017) and 20,900 mg/L (May 2016). Trend direction has been variable and concentrations have been generally increasing since reaching its minimum in September 2017 (Appendix G, Figure G-8). All concentrations have exceeded the NMWQCC standard for chloride.

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- MW094 chloride concentrations ranged between 873 mg/L (May 2017) and 1,130 mg/L (May 2016), and do not indicate a statistically significant trend (Appendix G, Figure G-10). The low coefficient of variation value of 0.10 indicate concentrations are stable. All results since HS sampling began have exceeded the NMWQCC standard for chloride.
- MW058 chloride concentrations were between 995 J mg/L (May 2017) and 1,230 mg/L (March 2018) and do not indicate a statistically significant trend (Appendix G, Figure G-10). The low coefficient of variation of 0.09 indicate that concentrations are stable. All concentrations since HS sampling began have exceeded the NMWQCC standard chloride.
- MW013 chloride concentrations have ranged between 255 mg/L (September 2017) and 936 mg/L (May 2016), and do not indicate a statistically significant trend (Appendix G, Figure G-11). All results have exceeded the NMWQCC standard for chloride.

On-site Plume:

- MW047 chloride concentrations were between 272 mg/L (April 2019) and 498 mg/L (May 2017) and indicate a statistically significant decreasing trend (Appendix G, Figure G-12), however it should be noted that the October 2019 concentration increased to near 2016 levels. All results since HS sampling began have exceeded the NMWQCC standard for chloride.

Eastern Plume (off-site):

- MW041A chloride concentrations were between 377 mg/L (September 2017) and 488 mg/L (October 2019) and do not indicate a statistically significant trend (Appendix G, Figure G-13). However, under visual observation, concentrations have been generally increasing since September 2017. All results have exceeded the NMWQCC standard for chloride.
- MW051SA chloride concentrations were between 1,050 mg/L (May 2016 and October 2019) and 1,360 mg/L (April 2018) and do not indicate a statistically significant trend (Appendix G, Figure G-14). The low coefficient of variation value of 0.10 indicate that concentrations are stable. All results since HS sampling began have exceeded the NMWQCC standard for chloride.
- MW085SA, located just upgradient of the historical injection well transect, chloride concentrations have ranged from 1,210 mg/L (October 2019) and 1,650 mg/L (September 2018). Although not statistically significant, concentrations have been generally increasing overall since HS sampling began, but reached a peak and have been decreasing since September 2018 (Appendix G, Figure G-15). All concentrations have exceeded the NMWQCC standard for chloride.
- MW073SA, located just downgradient of the historical injection transect, chloride concentrations have been between 189 mg/L (March 2018) and 2,100 mg/L (October 2019). Although not statistically significant, concentrations have been generally increasing since HS sampling began (Appendix G, Figure G-16).
- MW086SA chloride concentrations have ranged between 1,040 mg/L (May 2016) and 1,470 mg/L (May 2017). The timeframe for analysis was adjusted to exclude 2016 results. Mann-Kendall results of this adjusted time period indicate a statistically significant decreasing trend (Appendix G, Figure G-17). All concentrations have exceeded the NMWQCC standard for chloride.

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Variable trend directions indicated at the assumed upgradient source area represented by MW069 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 on the site 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 potentially increasing concentrations downgradient of the site could indicate natural fluctuations within the plume footprint and potential concentration migration within the plume, especially since no active treatment is implemented at this time. Decreasing trends near the leading edge of the plume at MW086SA but potentially increasing trends at the southeastern edge (MW073SA) could indicate that plume is relatively stable at the leading edge. A summary map of the chloride trend analyses is provided in Appendix G, Figure G-19.

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3 SUMMARY

In summary, the 2019 monitoring and investigation activities indicated the following:

- Groundwater analytical results are consistent with historical concentrations observed.
- Mann-Kendall trend analyses indicate that the chloride plume is generally stable, while concentration trends for dissolved total chromium vary across the plume area, with an increasing trend seen along the leading edge of the plume. At this time, trend results appear to be within expectations for the chloride and chromium plumes, especially since no active treatment is currently implemented.

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TABLES

Table 1
Summary of 2019 Groundwater Monitoring
2019 Annual Groundwater Monitoring Report
Former Eunice North Gas Plant
Eunice, Lea County, New Mexico

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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/x	x/x	x/x	x/x	x/x	
IW023	x/x	x/x	--/--	--/--	--/--	x/x	x/x	x/x	x/x	
IW024	x/x	x/--	--/--	--/--	--/--	x/--	x/--	x/--	x/--	
MW001	x/x	x/x	x/x	x/x	x/x	x/x	x/x	x/x	x/x	
MW002A	x/x	x/x	--/--	--/--	--/--	x/x	x/x	x/x	x/x	
MW004A	x/x	x/x	--/--	--/--	--/--	x/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/x	x/x	x/x	
MW010	x/x	x/x	--/--	--/--	--/--	x/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/--	
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/x	x/x	x/x	
MW020A	x/x	x/x	--/--	--/--	--/--	x/x	x/x	x/x	x/x	
MW021A	x/x	x/x	--/--	--/--	--/--	x/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/x	x/x	x/x	
MW026	x/x	x/x	--/--	--/--	--/--	x/x	x/x	x/x	x/x	
MW027	x/x	x/x	--/--	--/--	--/--	x/x	x/x	x/x	x/x	
MW030	x/x	x/x	--/--	--/--	--/--	x/x	x/x	x/x	x/x	
MW031	x/x	x/x	--/--	--/--	--/--	x/x	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/x	x/x	x/x	x/x	x/x	
MW040A	x/x	x/x	--/--	--/--	--/--	x/x	x/x	x/x	x/x	
MW041A	x/x	x/x	--/--	--/--	--/--	x/x	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/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/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/x	x/x	x/x	
MW052SA	x/x	x/x	--/--	--/--	--/--	x/x	x/x	x/x	x/x	
MW053SA	x/(x)	(x)/(x)	--/--	--/--	--/--	(x)/(x)	(x)/(x)	(x)/(x)	(x)/(x)	No access -- gate locked
MW054SA	x/x	x/x	--/--	--/--	--/--	x/x	x/x	x/x	x/x	
MW055SA	x/x	x/x	--/--	--/--	--/--	x/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/--	
MW059	x/x	x/x	--/--	--/--	--/--	x/x	x/x	x/x	x/x	
MW060	x/x	x/x	--/--	--/--	--/--	x/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/x	x/x	x/x	
MW063A	x/x	x/x	--/--	--/--	--/--	x/x	x/x	x/x	x/x	
MW065SA	x/--	x/--	--/--	--/--	--/--	x/--	x/--	x/--	x/--	
MW066SA	x/x	x/x	--/--	--/--	--/--	x/x	x/x	x/x	x/x	
MW067SA	x/x	(x)/(x)	--/--	--/--	--/--	(x)/(x)	(x)/(x)	(x)/(x)	(x)/(x)	Obstruction in well / Insufficient water for sample
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/x	x/x	x/x	

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Table 1
Summary of 2019 Groundwater Monitoring
2019 Annual Groundwater Monitoring Report
Former Eunice North Gas Plant
Eunice, Lea County, New Mexico

ARCADIS Design & Consultancy for natural and built assets

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
MW072SA	x/x	x/x	--/--	--/--	--/--	x/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/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/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/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/--	
MW088M	x/x	x/x	--/--	--/--	--/--	x/x	x/x	x/x	x/x	
MW089SA	x/x	x/x	--/--	--/--	--/--	x/x	x/x	x/x	x/x	
MW090SA	x/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/--	
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/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
2019 Groundwater Elevations
2019 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)
IW003	04/09/2019	3406.68	44.18	NM	NA	3362.50
IW008	04/09/2019	3405.37	44.32	NM	NA	3361.05
IW010	04/09/2019	3405.82	51.98	NM	NA	3353.84
IW019	04/09/2019	3423.78	44.35	NM	NA	3379.43
IW019	10/07/2019	3423.78	44.57	NM	NA	3379.21
IW023	04/10/2019	3426.05	46.20	NM	NA	3379.85
IW023	10/07/2019	3426.05	46.52	NM	NA	3379.53
IW024	04/10/2019	3426.63	46.32	NM	NA	3380.31
IW024	10/07/2019	3426.63	46.65	NM	NA	3379.98
MW001	04/10/2019	3428.57	47.30	NM	NA	3381.27
MW001	10/07/2019	3428.57	47.60	NM	NA	3380.97
MW002A	04/10/2019	3432.30	51.13	NM	NA	3381.17
MW002A	10/07/2019	3432.30	51.22	NM	NA	3381.08
MW004A	04/10/2019	3423.57	43.52	NM	NA	3380.05
MW004A	10/07/2019	3423.57	43.84	NM	NA	3379.73
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
MW007A	04/10/2019	3428.13	46.58	NM	NA	3381.55
MW007A	10/07/2019	3428.13	46.86	NM	NA	3381.27
MW008M	04/10/2019	3427.95	48.55	NM	NA	3379.40
MW008M	10/07/2019	3427.95	48.76	NM	NA	3379.19
MW010	04/10/2019	3419.42	37.99	NM	NA	3381.43
MW010	10/07/2019	3419.42	38.30	NM	NA	3381.12
MW011A	04/10/2019	3431.77	49.91	NM	NA	3381.86
MW011A	10/07/2019	3431.77	50.11	NM	NA	3381.66
MW012M	04/10/2019	3430.06	47.92	NM	NA	3382.14
MW013	04/10/2019	3423.11	42.11	NM	NA	3381.00
MW013	10/08/2019	3423.11	42.27	NM	NA	3380.84
MW015A	04/10/2019	3420.55	38.10	NM	NA	3382.45
MW015A	10/07/2019	3420.55	38.36	NM	NA	3382.19
MW018	04/10/2019	3417.15	35.33	NM	NA	3381.82
MW018	10/07/2019	3417.15	39.65	NM	NA	3377.50
MW019A	04/09/2019	3414.74	35.55	NM	NA	3379.19
MW019A	10/07/2019	3414.74	37.99	NM	NA	3376.75
MW020A	04/09/2019	3421.14	41.72	NM	NA	3379.42
MW020A	10/07/2019	3421.14	41.95	NM	NA	3379.19
MW021A	04/09/2019	3422.94	45.47	NM	NA	3377.47
MW021A	10/07/2019	3422.94	45.73	NM	NA	3377.21
MW023	04/10/2019	3436.44	54.69	NM	NA	3381.75
MW023	10/07/2019	3436.44	54.85	NM	NA	3381.59
MW024A	04/09/2019	3430.77	50.37	NM	NA	3380.40
MW024A	10/07/2019	3430.77	50.57	NM	NA	3380.20
MW026	04/16/2019	3432.04	NM	NM	NA	NM
MW026	10/08/2019	3432.04	49.60	NM	NA	3382.44
MW027	04/16/2019	3443.33	62.91	NM	NA	3380.42

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Table 2
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2019 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)
MW027	10/07/2019	3443.33	61.89	NM	NA	3381.44
MW030	04/10/2019	3439.84	58.51	NM	NA	3381.33
MW030	10/07/2019	3439.84	58.60	NM	NA	3381.24
MW031	04/10/2019	3440.68	59.22	NM	NA	3381.46
MW031	10/07/2019	3440.68	59.46	NM	NA	3381.22
MW032	04/10/2019	3442.22	60.13	NM	NA	3382.09
MW032	10/08/2019	3442.22	60.15	NM	NA	3382.07
MW037	04/10/2019	3423.71	43.52	NM	NA	3380.19
MW037	10/07/2019	3423.71	44.04	NM	NA	3379.67
MW040A	04/16/2019	3422.92	40.97	NM	NA	3381.95
MW040A	10/07/2019	3422.92	41.16	NM	NA	3381.76
MW041A	04/09/2019	3418.42	40.51	NM	NA	3377.91
MW041A	10/07/2019	3418.42	41.11	NM	NA	3377.31
MW043	04/09/2019	3423.57	45.06	NM	NA	3378.51
MW043	10/07/2019	3423.57	45.34	NM	NA	3378.23
MW045	04/10/2019	3425.53	45.35	NM	NA	3380.18
MW045	10/07/2019	3425.53	45.59	NM	NA	3379.94
MW046A	04/10/2019	3426.45	46.00	NM	NA	3380.45
MW046A	10/07/2019	3426.45	46.25	NM	NA	3380.20
MW047	04/10/2019	3427.65	46.30	NM	NA	3381.35
MW047	10/07/2019	3427.65	46.60	NM	NA	3381.05
MW048SA	04/09/2019	3421.10	44.09	NM	NA	3377.01
MW048SA	10/07/2019	3421.10	44.43	NM	NA	3376.67
MW049SA	04/09/2019	3422.46	47.15	NM	NA	3375.31
MW049SA	10/07/2019	3422.46	42.44	NM	NA	3380.02
MW050SA	04/09/2019	3419.31	44.00	NM	NA	3375.31
MW050SA	10/07/2019	3419.31	44.22	NM	NA	3375.09
MW051SA	04/09/2019	3415.42	42.58	NM	NA	3372.84
MW051SA	10/07/2019	3415.42	43.00	NM	NA	3372.42
MW052SA	04/09/2019	3415.23	43.91	NM	NA	3371.32
MW052SA	10/07/2019	3415.23	44.21	NM	NA	3371.02
MW053SA	04/10/2019	3413.86	40.68	NM	NA	3373.18
MW054SA	04/09/2019	3411.38	44.03	NM	NA	3367.35
MW054SA	10/07/2019	3411.38	44.55	NM	NA	3366.83
MW055SA	04/09/2019	3407.43	40.51	NM	NA	3366.92
MW055SA	10/07/2019	3407.43	40.76	NM	NA	3366.67
MW056SA	04/09/2019	3410.71	40.95	NM	NA	3369.76
MW056SA	10/07/2019	3410.71	42.07	NM	NA	3368.64
MW057SA	04/09/2019	3417.74	44.86	NM	NA	3372.88
MW057SA	10/07/2019	3417.74	45.14	NM	NA	3372.60
MW058	04/10/2019	3437.13	55.77	NM	NA	3381.36
MW059	04/10/2019	3442.24	60.51	NM	NA	3381.73
MW059	10/07/2019	3442.24	60.62	NM	NA	3381.62
MW060	04/10/2019	3437.70	55.81	NM	NA	3381.89
MW060	10/07/2019	3437.70	55.97	NM	NA	3381.73

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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)
MW061	04/10/2019	3439.86	55.26	NM	NA	3384.60
MW061	10/08/2019	3439.86	55.34	NM	NA	3384.52
MW062A	04/09/2019	3434.19	54.64	NM	NA	3379.55
MW062A	10/07/2019	3434.19	54.84	NM	NA	3379.35
MW063A	04/09/2019	3435.22	55.22	NM	NA	3380.00
MW063A	10/07/2019	3435.22	55.43	NM	NA	3379.79
MW065SA	04/09/2019	3402.96	48.71	NM	NA	3354.25
MW066SA	04/09/2019	3404.03	44.19	NM	NA	3359.84
MW066SA	10/07/2019	3404.03	45.09	NM	NA	3358.94
MW067SA	04/09/2019	3409.16	43.05	NM	NA	3366.11
MW067SA	10/07/2019	3409.16	44.42	NM	NA	3364.74
MW068	04/10/2019	3448.08	66.31	NM	NA	3381.77
MW068	10/07/2019	3448.08	66.44	NM	NA	3381.64
MW069	04/10/2019	3444.07	62.45	NM	NA	3381.62
MW069	10/07/2019	3444.07	62.56	NM	NA	3381.51
MW070	04/10/2019	3439.68	58.39	NM	NA	3381.29
MW070	10/07/2019	3439.68	58.46	NM	NA	3381.22
MW071SA	04/09/2019	3401.01	46.98	NM	NA	3354.03
MW071SA	10/07/2019	3401.01	47.17	NM	NA	3353.84
MW072SA	04/09/2019	3401.34	47.08	NM	NA	3354.26
MW072SA	10/07/2019	3401.34	47.51	NM	NA	3353.83
MW073SA	04/09/2019	3403.26	43.16	NM	NA	3360.10
MW073SA	10/07/2019	3403.26	45.22	NM	NA	3358.04
MW074SA	04/09/2019	3409.97	46.95	NM	NA	3363.02
MW074SA	10/07/2019	3409.97	46.94	NM	NA	3363.03
MW075SA	04/09/2019	3404.21	48.55	NM	NA	3355.66
MW075SA	10/07/2019	3404.21	48.43	NM	NA	3355.78
MW076SA	04/09/2019	3404.13	50.11	NM	NA	3354.02
MW076SA	10/07/2019	3404.13	50.04	NM	NA	3354.09
MW078SA	04/10/2019	3411.12	38.94	NM	NA	3372.18
MW079SA	04/09/2019	3408.80	43.43	NM	NA	3365.37
MW079SA	10/07/2019	3408.80	44.61	NM	NA	3364.19
MW084SA	04/09/2019	3405.98	49.21	NM	NA	3356.77
MW084SA	10/07/2019	3405.98	49.09	NM	NA	3356.89
MW085SA	04/09/2019	3405.98	49.53	NM	NA	3356.45
MW085SA	10/07/2019	3405.98	49.42	NM	NA	3356.56
MW086SA	04/09/2019	3401.86	48.08	NM	NA	3353.78
MW086SA	10/07/2019	3401.86	48.17	NM	NA	3353.69
MW087A	04/10/2019	3430.75	48.97	NM	NA	3381.78
MW088M	04/10/2019	3430.27	48.34	NM	NA	3381.93
MW088M	10/07/2019	3430.27	48.55	NM	NA	3381.72
MW089SA	04/10/2019	3428.09	47.27	NM	NA	3380.82
MW089SA	10/07/2019	3428.09	47.57	NM	NA	3380.52
MW090SA	04/10/2019	3428.33	47.78	NM	NA	3380.55
MW090SA	10/07/2019	3428.33	48.09	NM	NA	3380.24

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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)
MW093SA	04/10/2019	3422.72	43.22	NM	NA	3379.50
MW093SA	10/07/2019	3422.72	43.82	NM	NA	3378.90
MW094	04/10/2019	3443.15	61.10	NM	NA	3382.05
MW095	04/10/2019	3436.13	54.19	NM	NA	3381.94
MW095	10/07/2019	3436.13	54.29	NM	NA	3381.84
MW097P	04/10/2019	NM	46.30	NM	NA	--
MW099	04/10/2019	3444.76	DRY	NM	NA	NM
MW099	10/07/2019	3444.76	62.37	NM	NA	3382.39
MW100	04/09/2019	3406.49	51.72	NM	NA	3354.77
MW100	10/07/2019	3406.49	51.71	NM	NA	3354.78

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

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Table 3
Spring 2019 Field Parameters
2019 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	Dissolved Oxygen	Oxidation-Reduction Potential	pH	Specific Conductivity	Temperature	Turbidity
		mg/L	mV	SU	mS/cm	°C	NTU
IW003	4/15/2019	2.79	-82	6.38	3.02	22.64	0.00
IW008	4/12/2019	1.85	-107	6.45	3.95	16.68	0.00
IW010	4/12/2019	2.65	-107	6.22	5	15.65	10.9
IW019	4/16/2019	2.15	158	6.65	5.24	21.2	0.00
IW023	4/16/2019	3.12	177	6.67	8.49	24.26	18.6
IW024	4/16/2019	0.00	202.9	7.22	2.969	24.3	1555.7
MW001	4/17/2019	2.44	-38	6.47	4.17	20.03	0.00
MW002A	4/17/2019	2.12	-42	6.68	5.8	20.58	0.00
MW004A	4/16/2019	0.00	118.5	7.55	3.615	24.51	1558.2
MW007A	4/17/2019	2.64	8	6.72	5.07	20.02	0.00
MW008M	4/17/2019	2.19	-67	5.77	7.66	21.11	128
MW010	4/16/2019	0.00	248.6	7.03	5.263	23.95	1551.5
MW011A	4/17/2019	1.97	15	6.46	1.97	21.58	0.00
MW012M	4/17/2019	1.49	-105	6.49	5.68	23.09	0.00
MW013	4/16/2019	0.00	221.5	7.27	5.227	23.52	1545.9
MW015A	4/16/2019	0.00	62.1	6.46	14.32	23	1540
MW018	4/16/2019	4.78	73	6.93	1.77	23.85	0.00
MW019A	4/16/2019	2.15	158	6.65	5.24	21.2	0.00
MW020A	4/16/2019	2.52	163	6.7	4.41	23.93	0.00
MW021A	4/12/2019	2.16	73	6.44	8.28	20.09	0.00
MW023	4/15/2019	0.00	101.1	7.31	4.925	23.16	0.00
MW024A	4/12/2019	0.00	145.3	7.33	3.766	18.96	1502.9
MW026	4/16/2019	0.00	220.6	7.73	1.232	25.44	1569.9
MW027	4/16/2019	0.00	199.4	7.59	2.484	25.06	1564
MW030	4/12/2019	0.00	67.4	7.49	1.232	21.37	1528.9
MW031	4/15/2019	0.00	-155.6	6.92	1.706	25.39	1577.9
MW032	4/16/2019	0.00	117.9	7.65	2.262	23.73	1550.1
MW037	4/16/2019	0.00	-88.8	6.91	3.023	24.72	1560
MW040A	4/16/2019	0.00	233.6	7.82	1.014	22.63	1530
MW041A	4/16/2019	3.69	160	6.86	2.56	18.92	0.00
MW043	4/15/2019	1.9	57	6.24	2.77	19.53	0.00
MW045	4/17/2019	2.42	118	6.44	2.36	22.81	0.00
MW046A	4/17/2019	3.07	94	6.85	4.51	21.36	133
MW047	4/17/2019	4.71	124	6.63	2.72	19.62	0.00
MW048SA	4/16/2019	3.2	163	6.92	3.17	18.72	0.00
MW049SA	4/16/2019	6.81	163	6.84	4.62	18.47	0.00
MW050SA	4/15/2019	2.41	100	6.92	4.62	19.39	0.00
MW051SA	4/15/2019	2.18	98	6.49	4.76	20.01	0.00
MW052SA	4/16/2019	3.2	170	6.71	3.6	18.18	0.00
MW054SA	4/16/2019	4.63	173	6.91	3.6	17.13	6.3
MW055SA	4/12/2019	4.85	4	6.79	2.85	19.35	0.00
MW056SA	4/17/2019	3.61	68	6.36	5.89	21.88	0.00
MW057SA	4/15/2019	4.72	44	6.5	2.48	18.24	11.98
MW058	4/12/2019	0.00	121.4	7.15	6.203	21.32	1528.1

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Table 3
Spring 2019 Field Parameters
2019 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	Dissolved Oxygen	Oxidation-Reduction Potential	pH	Specific Conductivity	Temperature	Turbidity
		mg/L	mV	SU	mS/cm	°C	NTU
MW059	4/15/2019	0.00	127.4	7.25	4.832	23.82	83
MW060	4/16/2019	0.00	-86.1	7.05	6.285	20.62	1505
MW061	4/16/2019	0.00	-29.4	7.35	5.055	21.18	1518.3
MW062A	4/12/2019	8.61	141.2	6.96	0.863	18.13	0.00
MW063A	4/12/2019	0.00	130.5	7.66	0.811	19.34	1505.6
MW065SA	4/11/2019	1.99	116	7.44	4.18	20.51	0.00
MW066SA	4/11/2019	3.38	118	7.46	3.22	20.09	0.00
MW068	4/15/2019	0.00	247.3	6.7	21.733	24.26	1562.7
MW069	4/15/2019	0.00	202.9	6.44	24.238	26.18	1562.7
MW070	4/12/2019	0.00	4.2	7.27	2.058	22.1	1537.4
MW071SA	4/11/2019	1.63	106	7.58	2.41	20.1	0.5
MW072SA	4/11/2019	4.26	103	7.85	1.8	20.53	12.4
MW073SA	4/11/2019	3.13	113	7.47	3.18	20.91	12.4
MW074SA	4/12/2019	4.89	4	6.74	2.39	19.53	0.00
MW075SA	4/11/2019	4.52	89	7.55	2.89	17.88	0.00
MW076SA	4/11/2019	4.42	48	7.64	3.13	17.89	8.9
MW079SA	4/15/2019	2.37	48	6.35	1.9	21.57	0.00
MW084SA	4/11/2019	2.65	104	7.29	4.58	17.57	0.00
MW085SA	4/11/2019	2.15	109	7.37	5.79	17.37	0.00
MW086SA	4/11/2019	2.1	109	7.41	5.37	17.04	0.00
MW087A	4/17/2019	1.73	-48	6.53	6.46	21.69	0.00
MW088M	4/17/2019	1.59	-66	6.32	5.94	21.94	9.9
MW089SA	4/17/2019	4.5	224	6.55	6.18	18.83	0.00
MW090SA	4/17/2019	4.5	227	6.54	4.28	18.11	0.00
MW093SA	4/16/2019	2.17	131	6.65	5.09	26.56	0.00
MW094	4/16/2019	0.00	66.9	7.42	3.499	22.88	1541.2
MW095	4/16/2019	0.00	152.6	6.34	5.973	17.79	27.1
MW097P	4/16/2019	1.37	-79	6.73	5.1	24.3	0.00
MW099	4/12/2019	0.00	-162.7	7.66	0.834	20.75	1521.6
MW100	4/11/2019	1.93	-34	7.33	3.5	16.43	0.00

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
Fall 2019 Field Parameters
2018 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	Dissolved Oxygen	Oxidation-Reduction Potential	pH	Specific Conductivity	Temperature	Turbidity
		mg/L	mV	SU	µS/cm	°C	NTU
IW019	10/10/2019	0.57	-20	6.95	4,360	20.22	37.3
IW023	10/10/2019	3.90	40	7.32	3,820	24.08	3.5
MW001	10/10/2019	0.23	-64	6.58	3,390	19.16	0.0
MW002A	10/10/2019	1.30	47	7.12	4,650	29.77	57.3
MW004A	10/11/2019	4.86	-3	7.34	3,330	14.79	17.9
MW007A	10/11/2019	8.08	-79	7.24	4,260	11.22	39.5
MW008M	10/10/2019	1.19	-92	6.42	5,960	25.23	72.1
MW010	10/10/2019	1.75	159	6.73	6,800	22.75	2.8
MW011A	10/10/2019	1.10	41	7.35	2,530	22.78	9.3
MW013	10/10/2019	4.25	214	6.56	3,460	20.50	13.3
MW015A	10/9/2019	8.34	-72	6.73	5,490	25.14	3.3
MW018	10/9/2019	4.39	119	7.31	2,310	22.46	0.0
MW019A	10/9/2019	1.62	117	7.40	1,290	22.09	0.0
MW020A	10/9/2019	1.49	152	6.86	3,950	23.96	0.0
MW021A	10/10/2019	0.00	81	6.75	8,020	21.63	0.0
MW023	10/8/2019	6.94	142	6.91	3,970	22.55	0.0
MW024A	10/8/2019	4.20	244	6.19	3,550	16.21	14.2
MW026	10/11/2019	6.08	-2	7.47	1,180	13.09	24.2
MW027	10/9/2019	5.88	54	7.70	2,250	29.94	18.1
MW030	10/8/2019	4.97	120	7.32	893	23.55	11.1
MW031	10/9/2019	2.27	-4	7.15	1,220	18.72	44.5
MW032	10/9/2019	5.18	122	7.32	1,880	26.64	12.9
MW037	10/10/2019	0.00	-128	6.80	2,550	21.27	0.0
MW040A	10/10/2019	4.16	149	7.44	769	21.19	2.3
MW041A	10/9/2019	2.79	115	7.05	2,180	29.52	0.0
MW043	10/10/2019	0.01	-80	6.99	3,160	21.27	24.2
MW045	10/10/2019	0.02	50	6.94	1,910	20.63	0.0
MW046A	10/10/2019	1.10	39	7.08	40,100	20.15	0.0
MW047	10/11/2019	2.35	-52	6.88	3,690	10.42	15.2
MW048SA	10/9/2019	3.96	102	7.25	2,830	19.65	15.4
MW049SA	10/9/2019	7.37	108	7.21	4,260	19.79	44.4
MW050SA	10/9/2019	0.27	122	7.07	5,050	24.32	0.0
MW051SA	10/10/2019	1.08	47	7.06	4,470	24.91	0.0
MW052SA	10/9/2019	1.35	110	7.05	4,910	19.80	18.1
MW054SA	10/9/2019	0.93	115	6.99	2,920	19.92	0.0
MW055SA	10/8/2019	4.77	32	7.33	2,860	22.07	2.3
MW056SA	10/9/2019	2.63	115	6.98	5,050	18.11	1.4
MW057SA	10/9/2019	2.65	108	7.02	2,240	18.86	0.0
MW059	10/8/2019	5.05	140	7.18	4,040	23.48	47.5
MW060	10/9/2019	2.01	-89	7.18	4,920	21.06	52.7
MW061	10/9/2019	2.03	48	7.83	3,940	21.71	76.4
MW062A	10/8/2019	5.53	130	7.36	814	17.42	0.0
MW063A	10/8/2019	3.94	128	7.56	655	18.32	0.0
MW066SA	10/8/2019	3.32	37	7.15	2,550	20.87	28.5
MW068	10/9/2019	2.75	-4	7.43	7,520	21.49	26.7
MW069	10/9/2019	2.15	27	6.78	18,300	21.81	0.0
MW070	10/8/2019	3.37	144	7.18	1,730	25.05	0.0
MW071SA	10/8/2019	1.53	21	7.24	2,380	21.38	141
MW072SA	10/9/2019	4.60	116	7.14	1,740	17.89	28.7
MW073SA	10/9/2019	2.52	174	6.55	6,540	17.62	0.0
MW074SA	10/8/2019	5.03	143	6.41	2,580	14.83	54.5
MW075SA	10/8/2019	4.60	82	7.56	2,880	17.69	5.3
MW076SA	10/8/2019	4.33	75	7.53	4,330	18.16	0.0
MW079SA	10/9/2019	0.73	107	6.98	1,680	18.80	0.0
MW084SA	10/8/2019	2.24	85	7.77	4,490	16.57	31.5
MW085SA	10/8/2019	0.65	95	7.01	5,930	16.65	10.5
MW086SA	10/8/2019	0.37	40	6.95	4,570	21.78	48
MW088M	10/10/2019	0.69	-81	6.69	4,810	23.50	57.7
MW089SA	10/11/2019	3.27	37	7.22	4,500	12.57	26.3
MW093SA	10/10/2019	0.30	71	6.76	4,680	23.52	0.0
MW095	10/9/2019	1.36	64	7.05	5,060	19.06	48.9
MW099	10/9/2019	9.72	-31	6.31	671	18.60	17
MW100	10/8/2019	0.25	-158	7.51	1,390	18.68	141

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 5
Spring 2019 BTEX Analytical Data
2018 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												
IW019	4/16/2019	REG	0.002	U	0.002	U	0.002	U	0.002	U	1.5	U	1.5	U
MW001	4/17/2019	REG	0.002	U	0.002	U	0.002	U	0.002	U	1.5	U	1.5	U
IW019	4/16/2019	FD	0.002	U	0.002	U	0.002	U	0.002	U	1.5	U	1.5	U
MW037	4/16/2019	REG	**0.719**	D	**0.00039**	J	**0.134**		**0.00272**		**2.87**		**3.22**	
MW043	4/15/2019	REG	0.002	U	0.002	U	0.002	U	**0.00234**		1.5	U	1.5	U
MW045	4/17/2019	REG	0.002	U	0.002	U	0.002	U	0.002	U	1.5	U	1.5	U
MW045	4/17/2019	FD	0.002	U	0.002	U	0.002	U	0.002	U	1.5	U	1.5	U
MW046A	4/17/2019	REG	0.002	U	0.002	U	0.002	U	0.002	U	1.5	U	1.5	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

shading = analytes exceeding the NMWQCC Standard

NA = not applicable- no standard available

** = one-time sample collected but not included in Sampling and Analysis Plan

Qualifiers:

D = diluted sample

J = estimated value

U = nondetect

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Table 6
Fall 2019 BTEX Analytical Data
2019 Annual Groundwater Monitoring Report
Former Eunice North Gas Plant
Eunice, Lea County, New Mexico

Location ID	Date Sampled	Analyte	Benzene		Toluene		Ethylbenzene		Total Xylenes		DRO		GRO	
		Unit	mg/L											
		NMWQCC Standard	0.005		1		0.7		0.62		NA		NA	
		Sample Purpose												
IW019	10/10/2019	REG	0.002	U	0.002	U	0.002	UJ	0.002	U	2.12	U	2.12	U
MW001	10/10/2019	REG	0.002	U	0.002	U	0.002	UJ	0.002	U	2.14	U	2.14	U
MW037	10/10/2019	REG	**0.0926**		0.002	U	**0.0136**	J	0.002	U	**1.56**	J	**1.37**	J
MW043	10/10/2019	REG	0.002	U	0.002	U	0.002	UJ	0.002	U	2.16	U	**1.12**	J
MW045	10/10/2019	REG	0.002	U	0.002	U	0.002	UJ	0.002	U	2.2	U	2.2	U
MW046A	10/10/2019	REG	0.002	U	0.002	U	0.002	UJ	0.002	U	2.16	U	2.16	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

Table 7
Spring 2019 Metals, Chloride, and Total Dissolved Solids Analytical Data
2018 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	Analyte	Dissolved Arsenic		Dissolved Total Chromium		Dissolved Hexavalent Chromium		Dissolved Iron		Dissolved Manganese		TDS		Chloride	
		Unit	mg/L													
		NMWQCC Standard	0.1		0.05		0.05		1		0.2		1000		250	
IW003	4/15/2019	REG	0.0157		0.0088		0.01	U	5.02		3.74		2,410		1,130	
IW008	4/12/2019	REG	0.0235		0.00388	J	0.01	U	4.78		1.9		2,160		875	
IW010	4/12/2019	REG	0.00899		0.00202	J	0.0031	J	11.8		7.96		3,120		2,280	
IW019	4/16/2019	REG	0.00987		0.672		0.664		0.0721	J	0.139		3,310		1,130	J
IW019	4/16/2019	FD	0.0106	J	0.736		0.698		0.5	U	0.105		3,190		361	J
IW023	4/16/2019	REG	0.00961		0.345		0.315		0.0487	J	0.00282		2,790		765	
IW024	4/16/2019	REG	0.0113		1.21		1.02		0.321		0.0288		4,350		817	
MW001	4/17/2019	REG	0.00174	J	0.00142	J	0.01	U	0.1	U	0.858		2,570		451	
MW002A	4/17/2019	REG	0.0193		0.889		0.0089	J	1	U	0.0201		3,420		1,430	
MW004A	4/16/2019	REG	0.0156		0.558		0.459		0.1	U	0.000551	J	1,080		550	
MW007A	4/17/2019	REG	0.0109		0.711		0.66		1	U	0.000644	J	3,350		792	
MW008M	4/17/2019	REG	0.00329	J	0.0071		0.0043	J	35.9		2.95		5,040		1,350	
MW010	4/16/2019	REG	0.00885	J	0.0273		0.0213		0.5	U	0.01	U	4,160		2,380	
MW011A	4/17/2019	REG	0.0144		0.159		0.01	U	0.1	U	0.182		1,930		511	
MW012M	4/17/2019	REG	0.0652		0.0306		0.01	U	3.94		0.0507		3,130		800	
MW013	4/16/2019	REG	0.00809		2.54		2.22	J	0.1	U	0.002	U	2,940		859	
MW015A	4/16/2019	REG	0.0136	J	0.00983	J	0.01	UJ	0.5	U	0.00203	J	6,120		4,250	
MW018	4/16/2019	REG	0.0124		0.004	U	0.01	U	0.0574	J	0.00194	J	1,600		455	
MW019A	4/16/2019	REG	0.00627		0.000853	J	0.01	U	0.0538	J	0.0179		1,110		303	
MW020A	4/16/2019	REG	0.0111	J	0.0056	J	0.01	U	0.5	U	0.00112	J	2,180		1,320	
MW020A	4/16/2019	FD	0.0106	J	0.00511		0.01	U	0.5	U	0.00123	J	2,140		1,060	
MW021A	4/12/2019	REG	0.011		0.00295	J	0.01	U	0.1	U	0.0126		5,150		1,020	
MW023	4/15/2019	REG	0.00878		2.22		2.07		0.0352	J	0.00488		3,150		860	
MW024A	4/12/2019	REG	0.0119		0.5		0.474		0.1	U	0.002	U	2,140		997	
MW026	4/16/2019	REG	0.00768		0.004	U	0.01	UJ	0.1	U	0.000977	J	696		104	
MW027	4/16/2019	REG	0.00653		0.00139	J	0.01	UJ	0.0457	J	0.00129	J	1,550		367	
MW030	4/12/2019	REG	0.0197		0.00126	J	0.01	U	0.1	U	0.000594	J	694		220	
MW031	4/15/2019	REG	0.0847		0.004	U	0.01	U	3.36		0.866		874		263	
MW032	4/16/2019	REG	0.0037	J	0.00473		0.01	UJ	0.1	U	0.00172	J	1,340	J	386	
MW032	4/16/2019	FD	0.00315	J	0.00505		0.01	U	0.023	J	0.00127	J	372	J	374	
MW037	4/16/2019	REG	0.0546		0.00116	J	0.01	U	8.05		0.0493		1,320		405	
MW040A	4/16/2019	REG	0.0203		0.00285	J	0.01	UJ	0.1	U	0.000271	J	481		56.4	
MW041A	4/16/2019	REG	0.0104		0.201		0.175		0.1	U	0.00107	J	1,530		461	
MW043	4/15/2019	REG	0.00504		0.000894	J	0.01	U	0.593		0.573		1,840		843	
MW045	4/17/2019	REG	0.00232	J	0.012		0.01	U	0.0767	J	0.0782		1,460		76	
MW045	4/17/2019	FD	0.00221	J	0.0111		0.01	U	0.0544	J	0.0736		1,400		77	
MW046A	4/17/2019	REG	0.0103		1.49		1.73		1	U	0.00333		3,260		745	
MW047	4/17/2019	REG	0.0116		0.0809		0.0709		0.0228	J	0.000519	J	968		272	
MW048SA	4/16/2019	REG	0.0121		0.396		0.363		0.0259	J	0.00124	J	1,860		607	
MW049SA	4/16/2019	REG	0.0125	J	0.2		0.176		0.5	U	0.01	U	2,530		1,320	
MW050SA	4/15/2019	REG	0.00854		0.329		0.29		0.1	U	0.0191		3,500		1,420	
MW051SA	4/15/2019	REG	0.0126		0.779		0.733		0.1	U	0.00822		3,160		1,220	
MW052SA	4/16/2019	REG	0.0138		0.246		0.224		0.11		0.00376		3,060		1,590	
MW054SA	4/16/2019	REG	0.0109		0.122		0.117		0.227		0.0073		1,910		951	
MW055SA	4/12/2019	REG	0.00749		0.177		0.157		0.1	U	0.000651	J	1,700		653	
MW056SA	4/17/2019	REG	0.0137		0.382		0.01	U	0.2	U	0.00042	J	3,650		1,120	
MW057SA	4/15/2019	REG	0.0124		0.0385		0.0343		0.085	J	0.0034		1,500		357	
MW058	4/12/2019	REG	0.0127		3.16		2.74		0.1	U	0.002	U	4,180		1,150	
MW058	4/12/2019	FD	0.013		3.25		2.9		0.1	U	0.002	U	3,900		1,040	
MW059	4/15/2019	REG	0.0148		0.46		0.401		0.1	U	0.00107	J	2,950		891	
MW060	4/16/2019	REG	0.00265	J	0.00195	J	0.01	UJ	0.796		12.5		3,390		1,670	
MW061	4/16/2019	REG	0.0114		1.38		1.51	J	0.0231	J	0.0246		3,980		1,180	
MW062A	4/12/2019	REG	0.0249		0.002	J	0.01	U	0.1	U	0.002	U	474		62.9	
MW063A	4/12/2019	REG	0.0244		0.0016	J	0.01	U	0.1	U	0.000653	J	459		58.5	
MW065SA	4/11/2019	REG	0.0103		0.0134		0.0069	J	0.1	U	0.0107		2,590		1,050	
MW066SA	4/11/2019	REG	0.00974		0.0179		0.0065	J	0.0678	J	0.0699		2,040		836	
MW068	4/15/2019	REG	0.018	J	0.02	U	0.01	U	1.66		2.87		10,500		7,100	
MW069	4/15/2019	REG	0.0113	J	0.02	U	0.01	U	0.5	U	0.0902		14,800		9,650	
MW070	4/12/2019	REG	0.0141		0.004	U	0.01	U	0.0443	J	0.000935	J	1,130		444	
MW071SA	4/11/2019	REG	0.00836		0.00587		0.01	U	0.0284	J	0.216		1,490		636	
MW072SA	4/11/2019	REG	0.0186		0.004	U	0.01	U	0.0464	J	0.00182	J	1,050		218	
MW073SA	4/11/2019	REG	0.0102		0.004	U	0.01	U	0.1	U	0.00344		2,020		1,000	
MW074SA	4/12/2019	REG	0.0151		0.00508		0.01	U	0.0318	J	0.000585	J	1,520		384	
MW075SA	4/11/2019	REG	0.0134		0.0128		0.0094	J	0.1	U	0.000224	J	1,770		466	
MW076SA	4/11/2019	REG	0.0123		0.0119		0.0143		0.225		0.00388		1,950		601	
MW079SA	4/15/2019	REG	0.00583		0.00103	J	0.01	U	0.581		0.0511		1,140		271	
MW084SA	4/11/2019	REG	0.00962		0.0205		0.0167		0.415		0.0177		5,910		1,220	
MW085SA	4/11/2019	REG	0.0141		0.0559		0.0236		0.319		0.0265		3,660		1,580	
MW086SA	4/11/2019	REG	0.0116		0.0482		0.0385		0.0839	J	0.00235		3,160		1,370	
MW087A	4/17/2019	REG	0.0012	J	0.0423		0.0049	J	3.56		0.185		3,840		1,190	

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Table 7
Spring 2019 Metals, Chloride, and Total Dissolved Solids Analytical Data
2018 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	0.1	0.05	0.05	1	0.2	1000	250
MW088M	4/17/2019	REG	**0.0217**	**0.138**	0.01 U	**1.72** J	**1.26**	**3,690**	**957**
MW089SA	4/17/2019	REG	**0.0107**	**1.1**	**1.06**	1 U	**0.00835**	**4,260**	**934**
MW090SA	4/17/2019	REG	**0.0096**	**0.265**	**0.31**	0.1 U	**0.000728** J	**2,210**	**520**
MW093SA	4/16/2019	REG	**0.00811**	**0.405**	**0.365**	**0.0483** J	**0.244**	**3,220**	**984**
MW094	4/16/2019	REG	**0.0108**	**1.53**	**1.88** J	**0.134**	**0.0141**	**3,860**	**1,070**
MW095	4/16/2019	REG	**0.0093**	**3.77**	**3.46** J	**0.242**	**0.147**	**3,760** J	**1,500**
MW095	4/16/2019	FD	**0.00823**	**3.97**	**3.54**	**0.239**	**0.126**	**5,320** J	**1,410**
MW097P	4/16/2019	REG	**0.0111** J	**0.479**	**0.36**	0.5 U	**0.0557**	**3,480**	**1,010**
MW099	4/12/2019	REG	**0.00744**	0.004 U	0.01 U	**0.0423** J	**0.18**	**453**	**73**
MW100	4/11/2019	REG	**0.0106**	**0.00733**	0.01 U	**0.36**	**0.299**	**1,900**	**948**
MW100	4/11/2019	FD	**0.0106**	**0.00692**	0.01 U	**0.345**	**0.303**	**1,970**	**976**

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
-- = data not available

Qualifiers:

J = estimated value
U = nondetect

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Table 8
Fall 2019 Metals, Chloride, and Total Dissolved Solids Analytical Data
2019 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	0.1		0.05		0.05		1		0.2		1000		250	
IW019	10/10/2019	REG	**0.00931**		**0.621**		**0.609**		0.1	U	**0.0482**	J	**3,770**		**1,120**	
IW023	10/10/2019	REG	**0.00981**		**0.315**		**0.312**		**0.0668**	J	**0.00412**	J	**3,040**		**33.3**	
MW001	10/10/2019	REG	**0.0016**	J	**0.00176**	J	0.01	U	0.1	U	**0.954**	J	**2,680**		**498**	
MW002A	10/10/2019	FD	**0.0192**		**0.917**		**0.79**		0.1	U	**0.019**	J	**3,430**		**1,390**	
MW002A	10/10/2019	REG	**0.0177**		**0.812**		**0.758**		0.1	U	**0.0163**	J	**3,410**		**1,630**	
MW004A	10/11/2019	REG	**0.0148**	J	**0.415**		**0.378**		0.5	U	0.01	U	**2,230**		**635**	
MW007A	10/11/2019	REG	**0.0113**	J	**0.676**		**0.592**		0.5	U	**0.00257**	J	**2,980**		**843**	
MW008M	10/10/2019	REG	**0.00362**	J	**0.00693**		**0.0071**	J	**26.5**		**2.8**	J	**4,680**		**1,530**	
MW010	10/10/2019	FD	**0.00883**		**0.016**		0.0135		0.1	U	**0.00284**	J	**5,300**		**2,520**	
MW010	10/10/2019	REG	**0.00811**		**0.02**		**0.088**		0.1	U	**0.00474**	J	**5,330**		**2,450**	
MW011A	10/10/2019	REG	**0.0133**		**0.1**		**0.0834**		0.1	U	**0.167**	J	**1,800**		**433**	
MW013	10/10/2019	REG	**0.00767**		**1.97**		**1.75**		**0.0266**	J	**0.000714**	J	**3,220**		**814**	
MW015A	10/9/2019	REG	**0.012**		**0.0127**		**0.0048**	J	**0.0304**	J	**0.00551**		**9,970**		**5,480**	
MW018	10/9/2019	REG	**0.0103**		0.004	U	0.01	U	0.1	U	**0.000437**	J	**1,650**		**502**	
MW019A	10/9/2019	REG	**0.0103**		**0.000533**	J	0.01	U	0.1	U	**0.00424**		**1,200**		**346**	
MW020A	10/9/2019	REG	**0.00988**		**0.00604**		**0.0063**	J	0.1	U	**0.000518**	J	**2,560**		**1,260**	
MW021A	10/10/2019	REG	**0.0113**		**0.00301**	J	0.01	U	**0.0228**	J	**0.0166**	J	**5,810**		**2,360**	
MW023	10/8/2019	REG	**0.00946**		**2.75**		**2.32**		0.1	U	0.002	U	**3,360**		**716**	
MW024A	10/8/2019	REG	**0.0128**		**0.504**		**0.457**		0.1	U	0.002	U	**2,470**		**790**	
MW026	10/11/2019	REG	**0.00801**		0.004	U	0.01	U	0.1	U	**0.000348**	J	**741**		**105**	
MW027	10/9/2019	REG	**0.00685**		**0.00107**	J	0.01	U	0.1	U	**0.000539**	J	**1,610**		**358**	
MW030	10/8/2019	REG	**0.0204**		**0.00156**	J	0.01	U	**0.0382**	J	**0.000554**	J	**715**		**190**	
MW031	10/9/2019	FD	**0.055**	J	0.004	U	0.01	U	**2.08**	J	**0.818**		**866**		**243**	
MW031	10/9/2019	REG	**0.0962**	J	0.004	U	**0.0057**	J	**4.93**	J	**0.833**		**876**		**230**	
MW032	10/9/2019	REG	**0.00362**	J	**0.00407**		**0.0035**	J	0.1	U	**0.000854**	J	**1,390**		**428**	
MW037	10/10/2019	REG	**0.0538**		**0.00111**	J	**0.0131**		**7.15**		**0.0537**	J	**1,440**		**559**	
MW040A	10/10/2019	REG	**0.02**		**0.00312**	J	0.01	U	0.1	U	0.002	UJ	**526**		**55.8**	
MW041A	10/9/2019	REG	**0.0104**		**0.193**		**0.178**		0.1	U	**0.000914**	J	**1,620**		**488**	
MW043	10/10/2019	REG	**0.00503**		**0.000528**	J	0.01	U	**0.257**		**0.499**	J	**2,000**		**862**	
MW045	10/10/2019	REG	**0.00203**	J	**0.0103**		0.01	U	0.1	U	**0.0751**	J	**1,330**		**79.7**	
MW046A	10/10/2019	REG	**0.0103**		**2.08**		**2.19**		**0.108**		**0.00398**	J	**3,080**		**719**	
MW047	10/11/2019	REG	**0.00113**	J	**0.00379**	J	0.01	U	**0.056**	J	**1.13**		**2,650**		**486**	
MW048SA	10/9/2019	REG	**0.0115**		**0.369**		**0.36**		**0.0356**	J	**0.00168**	J	**2,900**		**631**	
MW049SA	10/9/2019	REG	**0.013**		**0.246**		**0.187**		**0.123**		**0.00393**		**2,800**		**1,210**	
MW050SA	10/9/2019	REG	**0.00869**		**0.394**		**0.355**		0.1	U	**0.0158**		**3,800**		**1,450**	
MW051SA	10/10/2019	REG	**0.0119**		**0.699**		**0.658**		**0.0345**	J	**0.00252**	J	**3,330**		**1,050**	
MW052SA	10/9/2019	REG	**0.0119**		**0.201**		**0.239**		0.1	U	**0.000382**	J	**3,040**		**1,470**	
MW054SA	10/9/2019	REG	**0.0105**		**0.117**		**0.114**		0.1	U	**0.000327**	J	**1,940**		**913**	
MW055SA	10/8/2019	REG	**0.00745**		**0.178**		**0.169**		0.1	U	**0.00025**	J	**1,810**		**574**	
MW056SA	10/9/2019	REG	**0.0137**		**0.33**		**0.312**		**0.083**	J	**0.00116**	J	**3,220**		**1,190**	
MW057SA	10/9/2019	REG	**0.0118**		**0.0408**		**0.0398**		**0.0797**	J	**0.0029**		**1,500**		**387**	
MW059	10/8/2019	FD	**0.0137**		**0.587**		**0.524**		0.1	U	0.002	U	**3,400**		**885**	J
MW059	10/8/2019	REG	**0.0136**		**0.568**		**0.523**		0.1	U	0.002	U	**3,530**		**640**	J
MW060	10/9/2019	REG	**0.00492**		0.004	U	0.01	U	**1.86**		**6.47**		**3,480**		**1,490**	
MW061	10/9/2019	REG	**0.012**		**1.2**		**1.15**		0.1	U	**0.0603**		**4,300**		**1,040**	
MW062A	10/8/2019	REG	**0.0242**		**0.00187**	J	0.01	U	0.1	U	0.002	U	**489**		**60.8**	
MW063A	10/8/2019	REG	**0.0249**		**0.00168**	J	0.01	U	0.1	U	**0.000251**	J	**484**		**54.4**	
MW066SA	10/8/2019	REG	**0.0108**		**0.00565**		**0.0061**	J	0.1	U	**0.00819**		**1,860**		**510**	
MW068	10/9/2019	REG	**0.017**		0.004	U	0.01	U	**0.362**		**2.01**		**15,500**		**8,880**	
MW069	10/9/2019	REG	**0.00906**		0.004	U	0.01	U	**0.1**	J	**0.293**		**14,200**		**9,140**	
MW070	10/8/2019	REG	**0.0138**		0.004	U	0.01	U	0.1	U	0.002	U	**1,220**		**398**	
MW071SA	10/8/2019	FD	**0.00879**		**0.0011**	J	0.01	U	**0.0251**	J	**0.284**		**1,580**		**707**	
MW071SA	10/8/2019	REG	**0.00874**		**0.000795**	J	0.01	U	0.1	U	**0.273**		**1,580**		**587**	
MW072SA	10/9/2019	REG	**0.0189**		0.004	U	0.01	U	0.1	U	**0.00204**		**1,050**		**282**	
MW073SA	10/9/2019	REG	**0.0119**		0.004	U	0.01	U	0.1	U	**0.0104**		**4,320**		**2,100**	
MW074SA	10/8/2019	REG	**0.0153**		**0.0058**		**0.0061**	J	0.1	U	0.002	U	**1,640**		**363**	
MW075SA	10/8/2019	FD	**0.0144**		**0.0117**		**0.01**	J	0.1	U	0.002	U	**1,850**		**495**	
MW075SA	10/8/2019	REG	**0.0146**		**0.0116**		**0.0113**		0.1	U	0.002	U	**1,830**		**422**	
MW076SA	10/8/2019	REG	**0.0126**		**0.00657**		**0.0074**	J	**0.0567**	J	**0.000831**	J	**1,890**		**398**	
MW079SA	10/9/2019	REG	**0.00843**		0.004	U	0.01	U	**0.0585**	J	**0.0218**		**1,100**		**271**	
MW084SA	10/8/2019	REG	**0.00979**		**0.0208**		**0.0204**		0.1	U	**0.00474**		**2,860**		**791**	
MW085SA	10/8/2019	REG	**0.0128**		**0.0497**		**0.0318**		**0.102**		**0.0167**		**3,890**		**1,210**	
MW086SA	10/8/2019	REG	**0.0123**		**0.0762**		**0.067**		0.1	U	**0.00833**		**3,240**		**1,110**	
MW088M	10/10/2019	REG	**0.0178**		**0.135**		0.01	U	**1.98**		**1.4**	J	**3,620**		**980**	
MW089SA	10/11/2019	REG	**0.0103**		**1.12**		**1.15**		0.1	U	**0.000543**	J	**3,770**		**929**	
MW093SA	10/10/2019	FD	**0.0092**		**0.563**		**0.528**		**0.0313**	J	**0.119**	J	**3,390**		**885**	J
MW093SA	10/10/2019	REG	**0.0092**		**0.547**		**0.518**		**0.0382**	J	**0.121**	J	**3,500**		**18.2**	J
MW095	10/9/2019	FD	**0.00914**		**3.58**		**3.11**	J	0.1	U	**0.141**		**3,740**		**1,260**	
MW095	10/9/2019	REG	**0.00909**		**3.29**		**3.02**		0.1	U	**0.142**		**3,440**		**1,280**	
MW099	10/9/2019	REG	**0.01**		0.004	U	0.01	U	**0.0626**	J	**0.195**		**486**		**67.1**	
MW100	10/8/2019	REG	**0.00952**		**0.000802**	J	0.01	U	**0.0928**	J	**0.27**		**2,210**		**899**	

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:

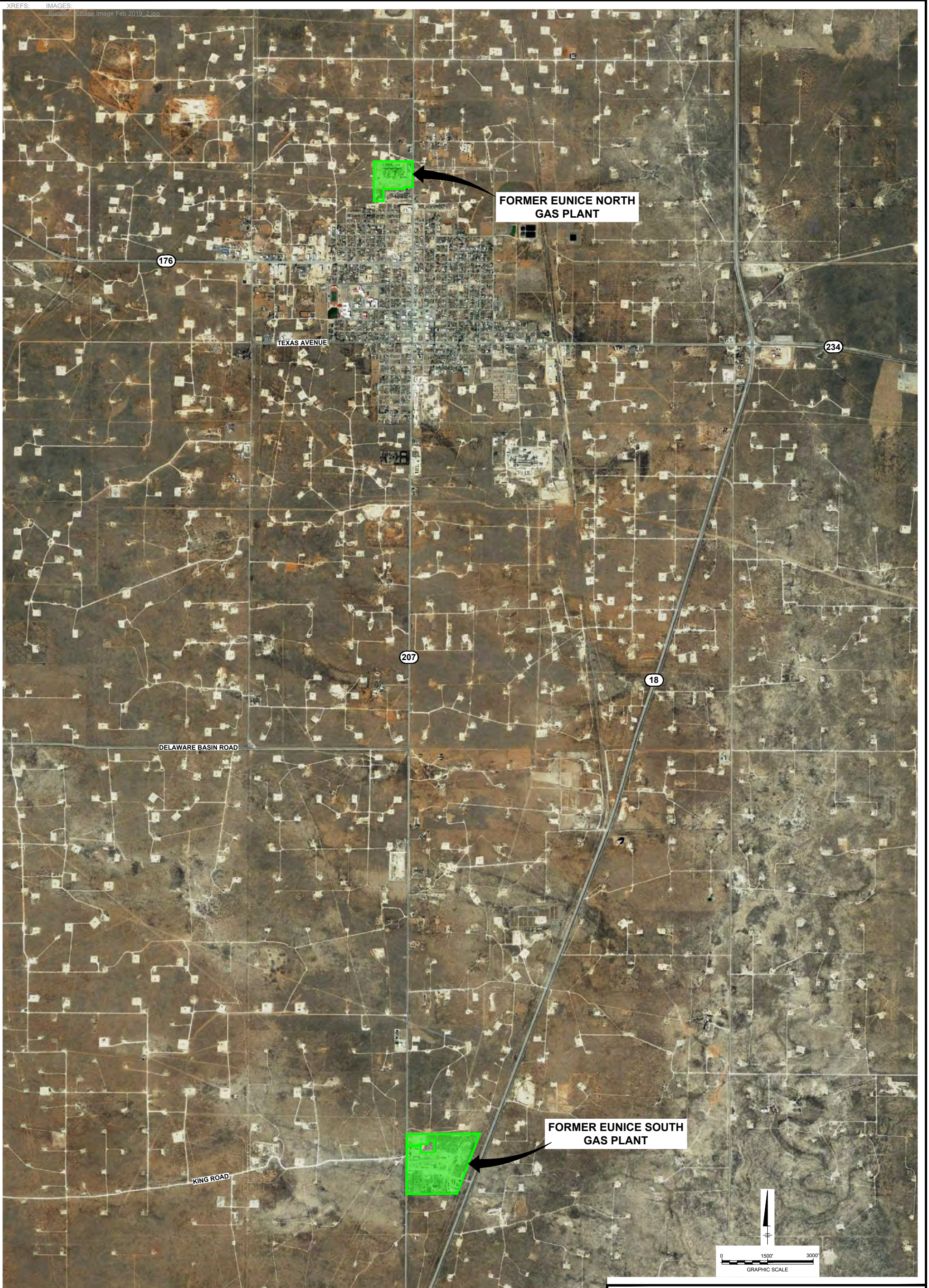
J = estimated value
U = nondetect

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FIGURES

DIV/GROUP: ENVCAD
C:\Users\nadigerc8191\BIM 360\Arcadis\ANA - CHEVRON CORPORATION\Project Files\Eunice North Gas Plant-Site O&M\2019\30006114 0003\01-DWG\Figure 1 - SLM2.dwg LAYOUT: 1 SAVED: 2/14/2020 1:29 PM ACADVER: 23.1S (LMS TECH) PAGESETUP: ---- PLOTSTYLETABLE: ARCADIS.CTB
PLOTTED: 2/14/2020 1:35 PM BY: NADIGERA, CHIDAMBARA

XREFS: IMAGES:
Eunice - <Base Image Feb 2019_2.jpg



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

SITE LOCATION MAP

ARCADIS Design & Consultancy for natural and built assets

FIGURE
1

LEGEND

- MONITORING WELL
- INJECTION WELL
- RECOVERY WELL
- WATER WELL
- GAS PLANT PROPERTY BOUNDARY / FENCE LINE
- WATER SUPPLY LINE
- LOCATIONS IN **BLUE** ARE SAMPLED ANNUALLY
- LOCATIONS IN **GREEN** ARE SAMPLED SEMIANNUALLY

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.

CONTINENTAL ROAD
6th STREET
NORTH 20th STREET
MAIN STREET (STATE LOOP 207)
AVENUE "R"
AVENUE "Q"
AVENUE "P"
AVENUE "O" (STATE HIGHWAY NO. 8)
20th STREET
19th STREET
18th STREET
17th STREET
16th STREET
15th STREET

WOODELLWW
LORDWW
ROLANDWW
GOPWW2
TEAGUEWW
EPWW1

N

0 300' 600'
GRAPHIC SCALE

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

WELL LOCATION MAP AND MONITORING PLAN

ARCADIS Design & Consultancy for natural and built assets

FIGURE 2

DW/GROUP: ENVCAD
C:\Users\Pail0104\1\BIM 360\Arcadis\ANA - CHEVRON CORPORATION\Project Files\Eunice North Gas Plant-Site O&M\2020\300061140\1-DWG\FIGURE 2 SITE MAP.dwg LAYOUT: 2 SAVED: 2/14/2020 1:29 PM ACADVER: 23.1S (LMS TECH) PAGESETUP: ---- PLOTSTYLETABLE: ---- PLOTTED: 3/6/2020
2:14 PM BY: ANJANEYAKUMAR, PAVAN KUMAR
XREFS: IMAGES:
Aerial80X00 GE_32103837.jpg

LEGEND

- MONITORING WELL
- INJECTION WELL
- RECOVERY WELL
- WATER WELL
- GAS PLANT PROPERTY BOUNDARY / FENCE LINE
- WATER SUPPLY LINE
- 3381.29 GROUNDWATER ELEVATION IN FEET ABOVE MEAN SEA LEVEL (FT AMSL)
- 3380 POTENTIOMETRIC CONTOUR (FT AMSL; DASHED WHERE INFERRED)
- NG NOT GAUGED
- * NOT USED FOR CONTOURING
- GROUNDWATER FLOW DIRECTION

NOTES:

1. MAP PROJECTED TO NAD83 NEW MEXICO STATE PLANE COORDINATE SYSTEM, EAST ZONE, FEET.
2. AERIAL IMAGERY PROVIDED BY USGS EARTH EXPLORER, ACCESSED APRIL 2016.
3. WELLS SURVEYED DECEMBER 2002 BY PIPER SURVEYING COMPANY. NAD83 NM S.P. EAST, FEET.
4. SITE FEATURES PROVIDED BY CRA.
5. WELLS GAUGED APRIL 9-12 AND 15-17, 2019.

CONTINENTAL ROAD
6th STREET
NORTH 20th STREET
AVENUE "R"
AVENUE "Q"
AVENUE "P"
AVENUE "O" (STATE HIGHWAY NO. 8)
MAIN STREET (STATE LOOP 207)
6th STREET
20th STREET
19th STREET
18th STREET
17th STREET
16th STREET
15th STREET

N

0 300' 600'
GRAPHIC SCALE

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

POTENTIOMETRIC SURFACE MAP SPRING 2019

ARCADIS Design & Consultancy for natural and built assets

FIGURE 3

CITY: SAN RAFAEL, CA DIV/GROUP: ENVCAD DB: J. HARRIS
C:\Users\Pal0104\1BIM 360\Arcadis\ANA - CHEVRON CORPORATION\Project Files\Eunice North Gas Plant-Site O&M\2020\30006114\01-DWG\Figure 3 - Potentiometric Surface Map Spring 2019.dwg LAYOUT: 3 SAVED: 2/21/2020 1:51 PM ACADVER: 23.1S (LMS TECH) PAGESETUP: --- PLOTSTYLETABLE:
---- PLOTTED: 3/6/2020 2:19 PM BY: ANJANEYAKUMAR, PAVAN KUMAR
XREFS: IMAGES:

LEGEND

- MONITORING WELL
- INJECTION WELL
- RECOVERY WELL
- WATER WELL
- GAS PLANT PROPERTY BOUNDARY / FENCE LINE
- WATER SUPPLY LINE
- 1670 CHLORIDE CONCENTRATION/DUPLICATE RESULT IN MILLIGRAMS PER LITER (mg/L)
- CHLORIDE ISOCONCENTRATION CONTOUR (mg/L; DASHED WHERE INFERRED)
  - >250
  - >500
  - >1,000
  - >3,000
- NS NOT SAMPLED

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 12, 15, 16, AND 17 APRIL, 2019.
6. ONLY DATA COLLECTED IN 2019 ARE POSTED. CONTOURS ARE BASED ON HISTORICAL DATA DATING BACK TO 2017 WHERE CURRENT DATA ARE NOT AVAILABLE.

CONTINENTAL ROAD
6th STREET
NORTH 20th STREET
20th STREET
19th STREET
18th STREET
17th STREET
16th STREET
15th STREET
AVENUE "R"
AVENUE "Q"
AVENUE "P"
AVENUE "O" (STATE HIGHWAY NO. 8)
MAIN STREET (STATE LOOP 207)
6th STREET
TEAGUE

MW100 948 / 976
MW075SA 466
MW076SA 601
MW074SA 384
MW084SA NS
MW085SA NS
MW083SA NS
IW014 NS
IW013 NS
IW012 NS
IW011 NS
IW010 NS
IW009 NS
IW008 875
IW007 NS
IW006 NS
IW005 NS
IW004 NS
IW003 NS
IW015 NS
IW016 NS
MW086SA 1,370
MW065SA 1,050
MW071SA 636
MW072SA 218
MW066SA 836
MW073SA 1,000
MW079SA 271
MW067SA NS
MW078SA NS
MW063A 58.5
MW062A 62.9
WOODELLWW NS
MW057SA 357
MW056SA 1,120
MW055SA 653
MW050SA 1,420
MW051SA 1,220
MW021A 1,020
MW052SA 1,590
MW049SA 1,320
MW054SA 951
MW053SA NS
MW048SA 607
MW041A 461
MW034 NS
MW099 73
MW070 444
MW070A NS
MW024A 997
MW024 NS
MW002 NS
MW002A 1,430
MW046 NS
MW046A 745
MW042A NS
MW043 843
MW045 76 / 77
MW037 405
MW005 NS
MW004 NS
MW004A 550
MW058 1,150 / 1,040
MW036 NS
MW006 NS
MW038 NS
MW001 451
MW030 220
MW047 272
MW018 NS
MW044 NS
IW019 1,130 J / 361 J
MW093SA 984
IW021 NS
MW091SA NS
IW022 NS
IW023 765/1,060
IW024 817
IW025 NS
IW026 NS
MW090SA 520
IW027 NS
IW028 NS
MW009SA 934
MW009A NS
MW030P NS
MW096P NS
MW097P 1,010
MW003 NS
MW087A 1,190
MW008 NS
MW011 NS
MW011A 511
MW011M NS
MW008A NS
IW001 NS
MW059 891
MW023A NS
MW023 860
IW029P NS
MW007 NS
MW007A 792
MW008M 1,350
RW004A NS
MW095 1,500 / 1,410
MW012 NS
MW012A NS
RW003 NS
IW002 NS
800
MW012M
MW088M 957
MW013A NS
MW013 859
MW040A 56.4
MW010 2,380
LORDWW NS
MW020 NS
MW020A 1,320 / 1,060 J
ROLANDWW NS
MW019A 303
MW018 455
MW014A NS
MW015 NS
MW015A 4,250
MW016A NS
MW031 263
MW060 1,670
MW069 9,650
MW061 1,180
MW094 1,070
MW068 7,100
MW032 386 / 374
MW026 104
MW027 367

N

0 300' 600'
GRAPHIC SCALE

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

CHLORIDE ISOCONCENTRATION MAP SPRING 2019

ARCADIS Design & Consultancy for natural and built assets

FIGURE 4

DW/GROUP: ENVCAD
C:\Users\nadigera8191\BIM 360\Arcadis\ANA - CHEVRON CORPORATION\Project Files\Eunice North Gas Plant-Site O&M\2020\20200611401-DWG\EUN Fig 4 CUM Spring 2019.dwg LAYOUT: 4 SAVED: 2/14/2020 10:41 AM ACADVER: 23.1S (LMS TECH) PAGESETUP: ---- PLOTSTYLETABLE: ---- PLOTTED: 2/14/2020 10:42 AM BY: NADIGERA, CHIDAMBARA
XREFS: IMAGES:

LEGEND

- MONITORING WELL
- INJECTION WELL
- RECOVERY WELL
- WATER WELL
- GAS PLANT PROPERTY BOUNDARY / FENCE LINE
- WATER SUPPLY LINE
- 1670 CHLORIDE CONCENTRATION/DUPLICATE RESULT IN MILLIGRAMS PER LITER (mg/L)
- CHLORIDE ISOCONCENTRATION CONTOUR (mg/L; DASHED WHERE INFERRED)
  - >250
  - >500
  - >1,000
  - >3,000
- NS NOT SAMPLED

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 8, 9 10 AND 11 OCTOBER, 2019.
6. ONLY DATA COLLECTED IN 2019 ARE POSTED. CONTOURS ARE BASED ON HISTORICAL DATA DATING BACK TO 2017 WHERE CURRENT DATA ARE NOT AVAILABLE.

CONTINENTAL ROAD
6th STREET
NORTH 20th STREET
20th STREET
19th STREET
18th STREET
17th STREET
16th STREET
15th STREET
AVENUE "R"
AVENUE "Q"
AVENUE "P"
AVENUE "O" (STATE HIGHWAY NO. 8)
MAIN STREET (STATE LOOP 207)
6th STREET
TEAGUE

N

0 300' 600'
GRAPHIC SCALE

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

CHLORIDE ISOCONCENTRATION MAP FALL 2019

ARCADIS Design & Consultancy for natural and built assets

FIGURE 5

DIV/GROUP: ENVCAD
C:\Users\chuliab4677\BIM 360\Arcadis\ANA - CHEVRON CORPORATION\Project Files\Eunice North Gas Plant-Site O&M\2020\3000611410\1-DWG\EUN Fig 5 CIM Fall 2019.dwg LAYOUT: 5 SAVED: 2/21/2020 2:03 PM ACADVER: 23.1S (LMS TECH) PAGESETUP: ---- PLOTSTYLETABLE: ---- PLOTTED: 2/21/2020 2:11 PM BY: CHUTIA, BARAKHA
XREFS: IMAGES:

LEGEND

- MONITORING WELL
- INJECTION WELL
- RECOVERY WELL
- WATER WELL
- GAS PLANT PROPERTY BOUNDARY / FENCE LINE
- WATER SUPPLY LINE
- 2.54 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
- <0.004 U NOT DETECTED ABOVE REPORTING LIMIT
- NS NOT SAMPLED

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 12, 15, 16 AND 17 APRIL, 2019.
6. ONLY DATA COLLECTED IN 2019 ARE POSTED. CONTOURS ARE BASED ON HISTORICAL DATA DATING BACK TO 2017 WHERE CURRENT DATA ARE NOT AVAILABLE.

CONTINENTAL ROAD
6th STREET
NORTH 20th STREET
MAIN STREET (STATE LOOP 207)
AVENUE "R"
AVENUE "Q"
AVENUE "P"
AVENUE "O" (STATE HIGHWAY NO. 8)
20th STREET
19th STREET
18th STREET
17th STREET
16th STREET
15th STREET

N

0 300' 600'
GRAPHIC SCALE

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

DISSOLVED CHROMIUM ISOCONCENTRATION MAP SPRING 2019

ARCADIS Design & Consultancy for natural and built assets

FIGURE 6

DW/GROUP: ENVCAD
C:\Users\nadigera\81911BIM 360\Arcadis\ANA - CHEVRON CORPORATION\Project Files\Eunice North Gas Plant-Site O&M\2020\3006114\01-DWG\EUN Fig 6 DCIM Spring 2019.dwg LAYOUT: 6 SAVED: 2/14/2020 1:31 PM ACADVER: 23.1S (LMS TECH) PAGESETUP: --- PLOTSTYLETABLE: --- PLOTTED: 2/17/2020 3:38 PM BY: NADIGERA, CHIDAMBARA
XREFS:
IMAGES:

LEGEND

- MONITORING WELL
- INJECTION WELL
- RECOVERY WELL
- WATER WELL
- GAS PLANT PROPERTY BOUNDARY / FENCE LINE
- WATER SUPPLY LINE

2.54 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

<0.004 U NOT DETECTED ABOVE REPORTING LIMIT

NS NOT SAMPLED

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 8, 9, 10 AND 11 OCTOBER, 2019.
6. ONLY DATA COLLECTED IN 2019 ARE POSTED. CONTOURS ARE BASED ON HISTORICAL DATA DATING BACK TO 2017 WHERE CURRENT DATA ARE NOT AVAILABLE.

CONTINENTAL ROAD

6th STREET

NORTH 20th STREET

20th STREET

19th STREET

18th STREET

17th STREET

16th STREET

15th STREET

AVENUE "R"

AVENUE "Q"

AVENUE "P"

AVENUE "O" (STATE HIGHWAY NO. 8)

MAIN STREET (STATE LOOP 207)

N

0 300' 600'

GRAPHIC SCALE

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

DISSOLVED CHROMIUM ISOCONCENTRATION MAP FALL 2019

ARCADIS Design & Consultancy for natural and built assets

FIGURE 7

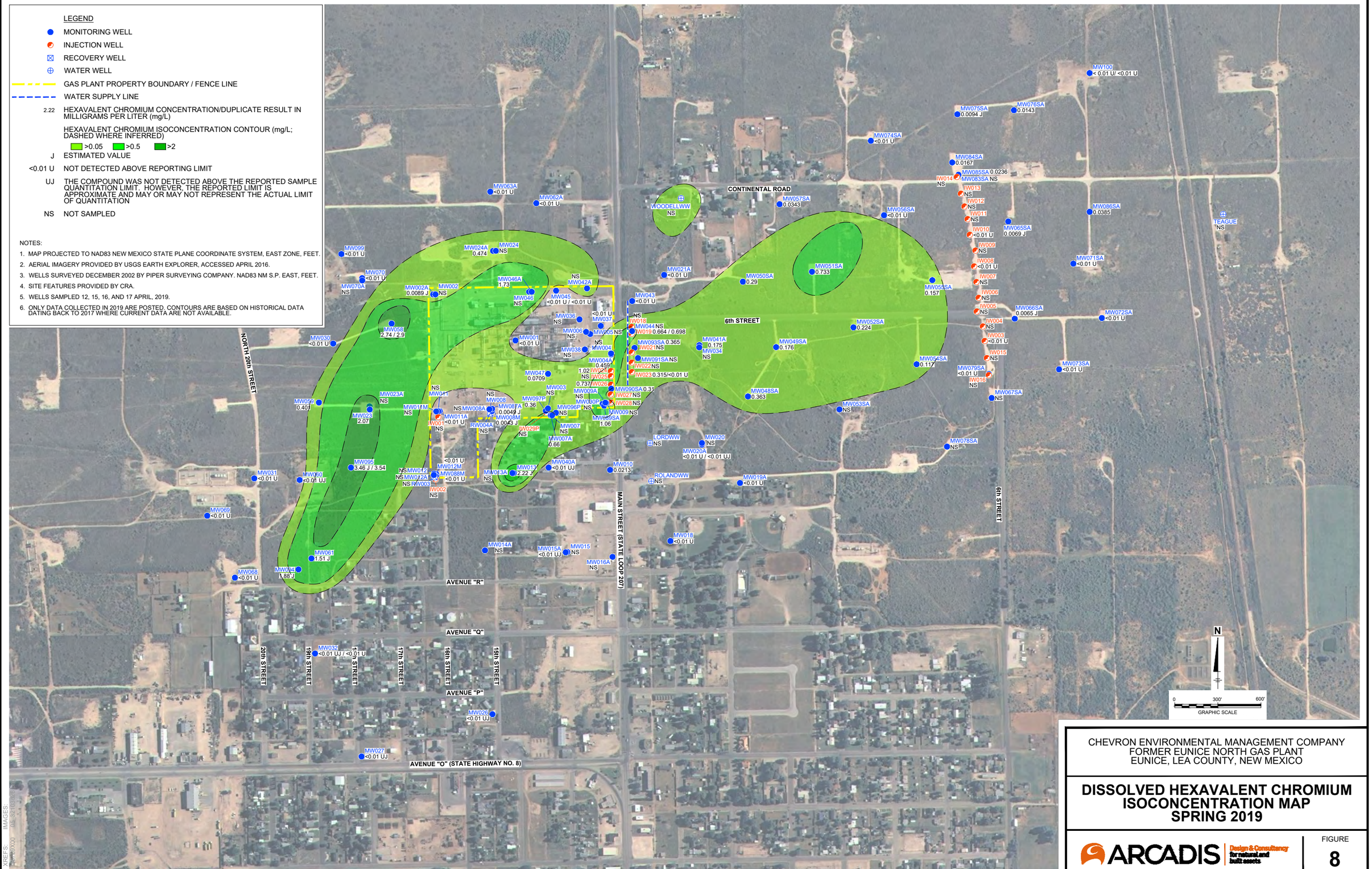
DW/GROUP: ENVCAD
C:\Users\nadigera\8191\BIM 360\Arcadis\ANA - CHEVRON CORPORATION\Project Files\Eunice North Gas Plant-Site O&M\2020\3006114\01-DWG\EUN Fig 7 DCIM Fall 2019.dwg LAYOUT: 7 SAVED: 2/14/2020 12:19 PM ACADVER: 23.1S (LMS TECH) PAGESETUP: ---- PLOTSTYLETABLE: ---- PLOTTED: 2/14/2020 12:23 PM BY: NADIGERA, CHIDAMBARA
XREFS: IMAGES: 05_32103826

LEGEND

- MONITORING WELL
- INJECTION WELL
- RECOVERY WELL
- WATER WELL
- GAS PLANT PROPERTY BOUNDARY / FENCE LINE
- WATER SUPPLY LINE
- 2.22 HEXAVALENT CHROMIUM CONCENTRATION/DUPLICATE RESULT IN MILLIGRAMS PER LITER (mg/L)
- HEXAVALENT CHROMIUM ISOCONCENTRATION CONTOUR (mg/L; DASHED WHERE INFERRED)
  - >0.05
  - >0.5
  - >2
- J ESTIMATED VALUE
- <0.01 U NOT DETECTED ABOVE REPORTING LIMIT
- 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
- NS NOT SAMPLED

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 12, 15, 16, AND 17 APRIL, 2019.
6. ONLY DATA COLLECTED IN 2019 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 HEXAVALENT CHROMIUM ISOCONCENTRATION MAP SPRING 2019

ARCADIS Design & Consultancy for natural and built assets

FIGURE 8

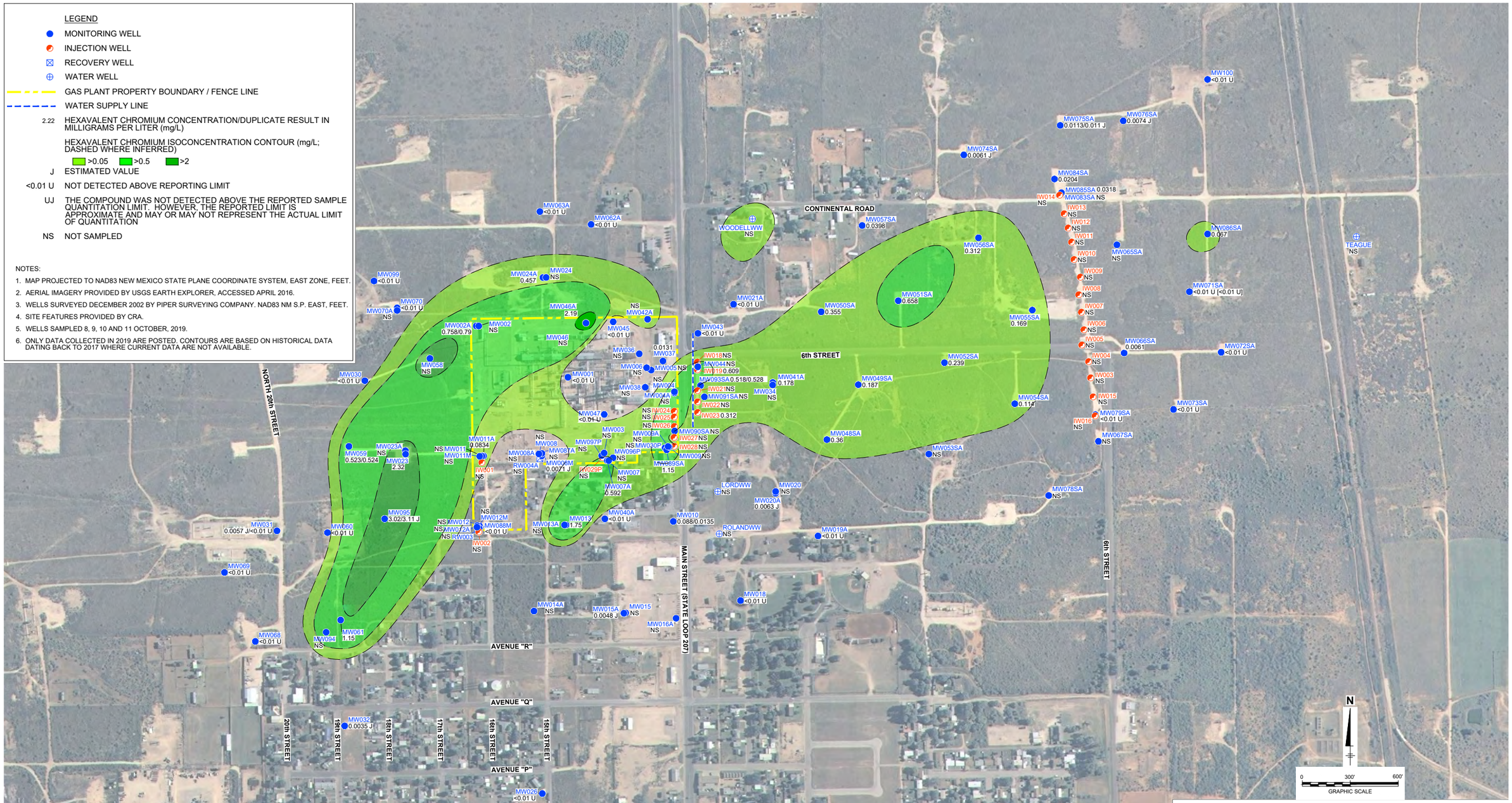
DIV/GROUP: ENVCAD
C:\Users\nadiger\191BIM 360\Arcadis\ANA - CHEVRON CORPORATION\Project Files\Eunice North Gas Plant-Site O&M\2020\30006114\01-DWG\EUN Fig 8 DHCIM Spring 2019.dwg LAYOUT: 8 SAVED: 2/14/2020 1:31 PM ACADVER: 23.1S (LMS TECH) PAGESETUP: ---- PLOTSTYLETABLE: ---- PLOTTED: 2/17/2020 3:39 PM BY: NADIGERA, CHIDAMBARA
XREFS:
IMAGES:

LEGEND

- MONITORING WELL
- INJECTION WELL
- RECOVERY WELL
- WATER WELL
- GAS PLANT PROPERTY BOUNDARY / FENCE LINE
- WATER SUPPLY LINE
- 2.22 HEXAVALENT CHROMIUM CONCENTRATION/DUPLICATE RESULT IN MILLIGRAMS PER LITER (mg/L)
- HEXAVALENT CHROMIUM ISOCONCENTRATION CONTOUR (mg/L; DASHED WHERE INFERRED)
  - >0.05
  - >0.5
  - >2
- J ESTIMATED VALUE
- <0.01 U NOT DETECTED ABOVE REPORTING LIMIT
- 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
- NS NOT SAMPLED

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 8, 9, 10 AND 11 OCTOBER, 2019.
6. ONLY DATA COLLECTED IN 2019 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 HEXAVALENT CHROMIUM ISOCONCENTRATION MAP FALL 2019

ARCADIS Design & Consultancy for natural and built assets

FIGURE 9

DIV/GROUP: ENVCAD
C:\Users\chutiab4677\BIM 360\Arcadis\ANA - CHEVRON CORPORATION\Project Files\Eunice North Gas Plant-Site O&M\2020\3000611401-DWG\EUN Fig 9 DHCIM Fall 2019.dwg LAYOUT: 9 SAVED: 2/17/2020 3:40 PM ACADVER: 23.1S (LMS TECH) PAGESETUP: ---- PLOTSTYLETABLE: ---- PLOTTED: 2/21/2020 2:07 PM BY: CHUTIA, BARAKHA
XREFS:
IMAGES:

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.

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Appendix A – Site Background Information

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ATTACHMENT 1

Released to Imaging: 6/14/2022 10:44:20 AM
Received by OCD: 3/25/2020 3:45:40 PM

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.

Page 61 of 114

Page 62 of 1147

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. Gulder
Company Representative - print name

Company Representative - Signature

Title: Manager OE/HBS

Date: 01/23/2012

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APPENDIX B

Geologic Cross SectionsNMOCD Discharge Permit GW-004

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LEGEND

- MONITORING WELL
- INJECTION WELL
- RECOVERY WELL
- WATER WELL
- ABANDONED WELL
- GAS PLANT PROPERTY BOUNDARY / FENCE LINE
- WATER SUPPLY LINE
- A——A' CROSS SECTION LOCATION
- LOCATIONS IN **ORANGE** ARE SAMPLED SEMI-ANNUALLY
- LOCATIONS IN **BLUE** ARE SAMPLED ANNUALLY
- LOCATIONS IN **BLACK** ARE NOT SAMPLED OR GAUGED

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 AND JANUARY 12, 2017 BY WEST COMPANY. NAD83 NM S.P. EAST, FEET.
4. SITE FEATURES PROVIDED BY CRA.

CONTINENTAL ROAD
6th STREET
NORTH 20th STREET
AVENUE "R"
AVENUE "Q"
AVENUE "P"
AVENUE "O" (STATE HIGHWAY NO. 8)
20th STREET
19th STREET
18th STREET
17th STREET
16th STREET
15th STREET
MAIN STREET (STATE LOOP 207)
WOODELLWW
LORDWW
ROLANDWW
GOPWW2
TEAGUEWW
EPWW1
A
A'
B
B'
0 300' 600'
GRAPHIC SCALE

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

CROSS SECTION LOCATION MAP

ARCADIS Design & Consultancy for natural and built assets

FIGURE 1

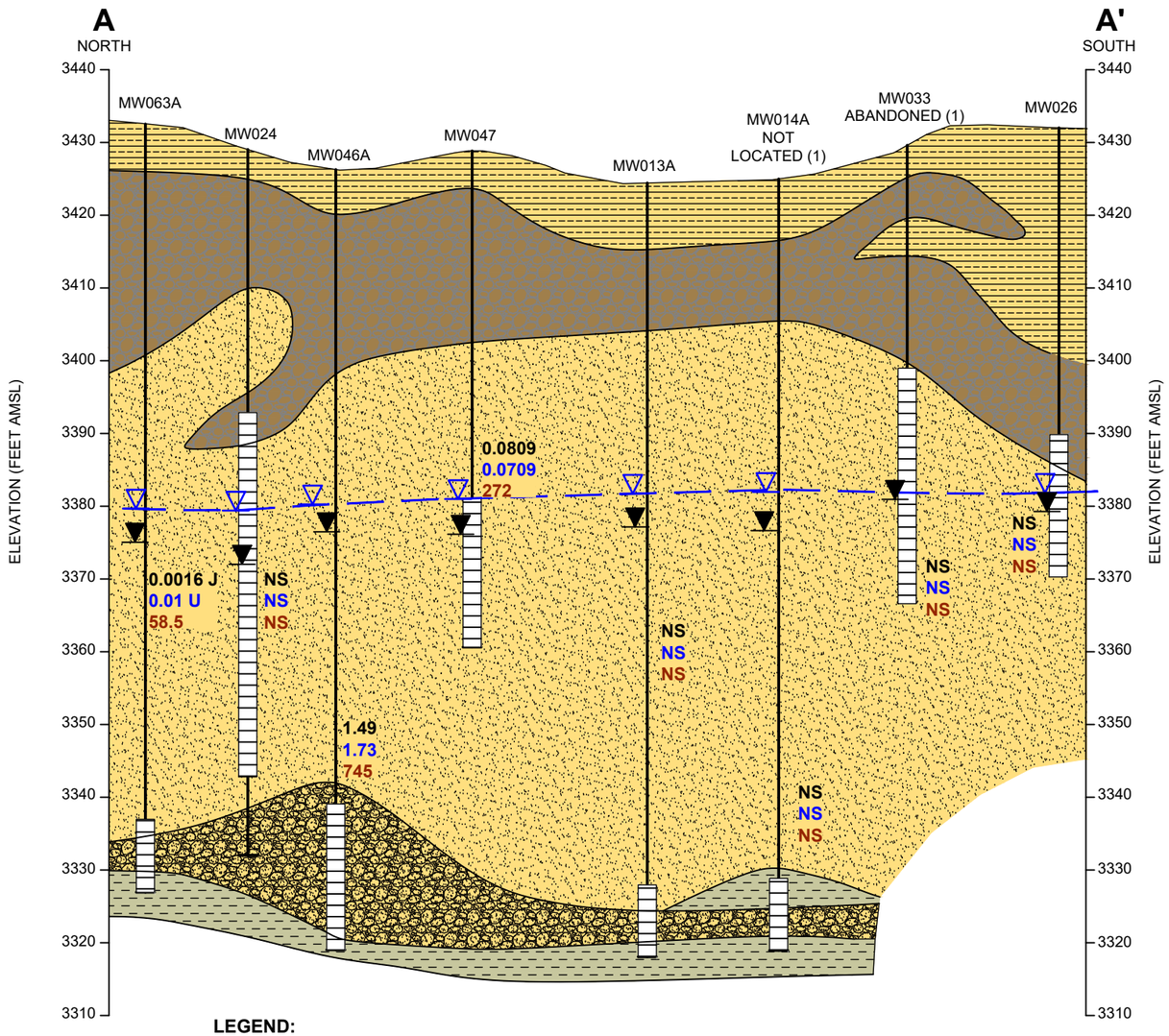
CITY: SAN RAFAEL, CA DIV/GROUP: ENV/CAD DB: J. HARRIS
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LEGEND:

MW063A WELL/BORING ID

APPROXIMATE GROUND SURFACE

LITHOLOGIC CONTACT

WATER LEVEL (SPRING 2019)

WATER LEVEL ENCOUNTERED AFTER DRILLING

WELL SCREEN

WELL/BORING BOTTOM

CLAY

CALICHE

INTERBEDDED SAND AND SANDSTONE

SILTY, CLAYEY SAND

SANDY GRAVEL

1.49 SPRING 2019 DISSOLVED TOTAL CHROMIUM CONCENTRATION (mg/L)
1.73 SPRING 2019 DISSOLVED HEXAVALENT CHROMIUM CONCENTRATION (mg/L)
745 SPRING 2019 CHLORIDE CONCENTRATION (mg/L)

NS NOT SAMPLED IN 2019

J ESTIMATED VALUE

U NON-DETECT

(1) WATER LEVEL IS ESTIMATED

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 A-A'

ARCADIS Design & Consultancy for natural and built assets

FIGURE
A-A'

CITY:(KNOXVILLE) DIV/GROUP:(ENV/GIS) DB:(B.ALTOM) LD:(C.SMITH) PIC:(M.FLEISCHNER) PM:(L.MINER) TM:(J.FRIZZELL)
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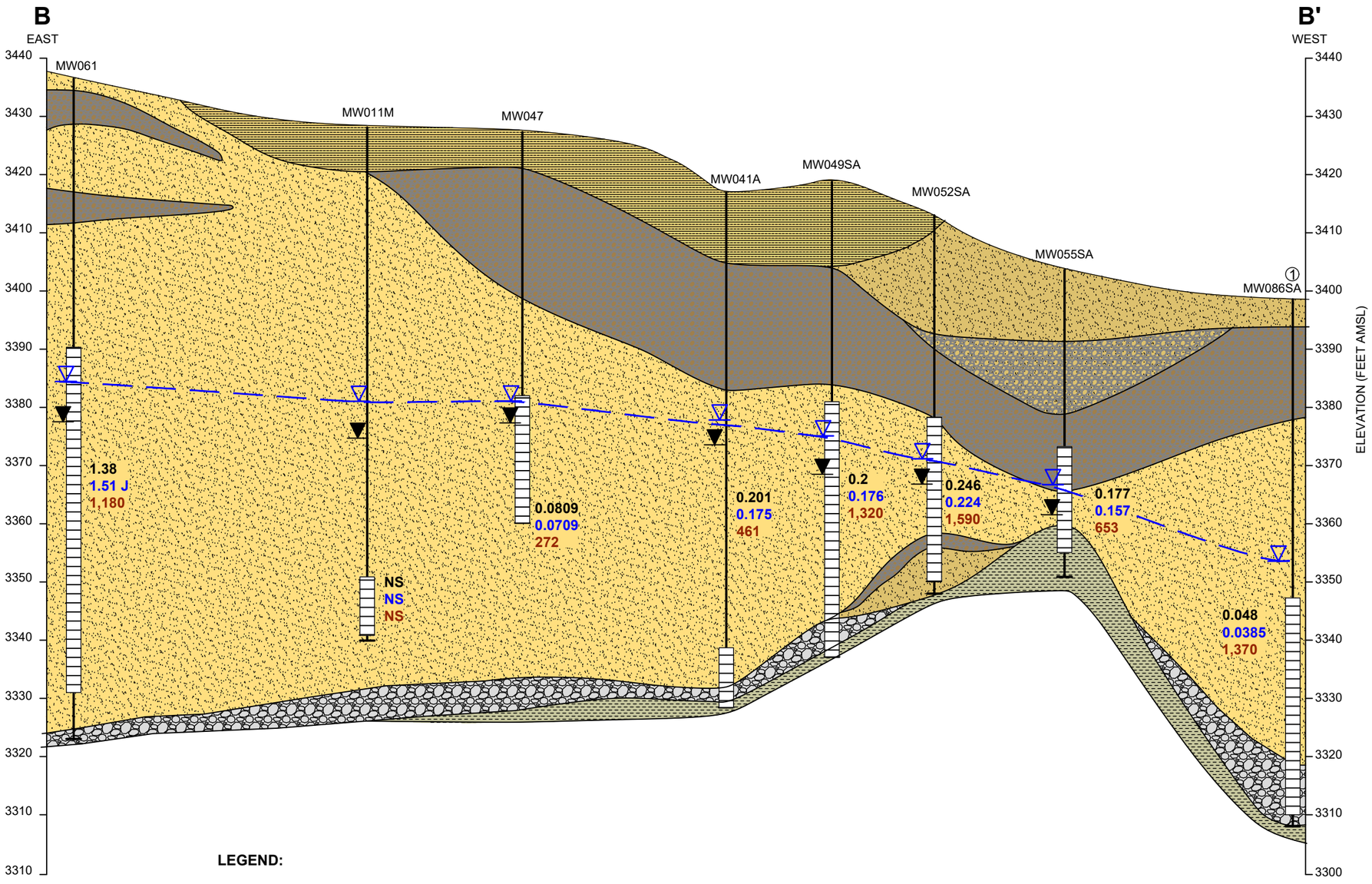
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LEGEND:

- MW063A — WELL/BORING ID
- APPROXIMATE GROUND SURFACE
- LITHOLOGIC CONTACT
- WATER LEVEL (SPRING 2019)
- WATER LEVEL ENCOUNTERED AFTER DRILLING
- WELL SCREEN
- WELL/BORING BOTTOM

- CALICHE
- CLAY
- SAND
- INTERBEDDED SAND AND SANDSTONE
- CLAYEY SAND
- GRAVEL
- SAND WITH CALICHE

0.206	SPRING 2019 DISSOLVED TOTAL CHROMIUM CONCENTRATION (mg/L)
0.184	SPRING 2019 DISSOLVED HEXAVALENT CHROMIUM CONCENTRATION (mg/L)
390	SPRING 2019 CHLORIDE CONCENTRATION (mg/L)
NS	NOT SAMPLED IN 2016
J	ESTIMATED VALUE
U	NON-DETECT
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 Design & Consultancy for natural and built assets

FIGURE
B-B

APPENDIX C

Historical Groundwater Elevations

Appendix C
Historical Groundwater Elevations
2019 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)
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

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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)
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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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)
IW003	04/09/2019	3406.68	44.18	NM	NA	3362.50
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
IW006	03/01/2010	3404.36	44.73	NM	NA	3359.63
IW006	07/30/2010	3404.36	47.99	NM	NA	3356.37

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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)
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
IW008	04/09/2019	3405.37	44.32	NM	NA	3361.05
IW009	12/16/2003	3406.07	47.22	NM	NA	3358.85

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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)
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
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
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

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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)
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
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

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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)
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
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

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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
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
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

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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
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
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

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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	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
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
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

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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)
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
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

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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
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
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

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Appendix C
Historical Groundwater Elevations
2019 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)
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
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
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

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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)
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
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

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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)
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
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
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

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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)
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
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
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

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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)
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
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
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

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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)
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
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

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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	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
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
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

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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)
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
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	38.30	NM	NA	3381.12
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

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Appendix C
Historical Groundwater Elevations
2019 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)
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
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

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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)
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
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
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

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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)
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
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

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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)
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
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
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
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

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Appendix C
Historical Groundwater Elevations
2019 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)
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
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

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Appendix C
Historical Groundwater Elevations
2019 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)
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
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

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Appendix C
Historical Groundwater Elevations
2019 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)
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
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
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

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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)
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
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
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

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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)
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
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

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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)
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
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
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

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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	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
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
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

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Appendix C
Historical Groundwater Elevations
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Former Eunice North Gas Plant
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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)
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
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
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

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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)
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
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
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

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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	05/03/2011	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
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

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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	08/04/2008	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
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
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

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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)
MW026	09/16/2004	3432.04	51.62	NM	NA	3380.42
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	49.60	NM	NA	3382.44
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
MW027	05/09/2016	3443.33	62.55	NM	NA	3380.78
MW027	09/22/2016	3443.33	62.47	NM	NA	3380.86

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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	05/02/2017	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
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
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

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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)
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	58.60	NM	NA	3381.24
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
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

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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	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
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
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
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

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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)
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
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

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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)
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
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

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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	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
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
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

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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)
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
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
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

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Appendix C
Historical Groundwater Elevations
2019 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)
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
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
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

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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)
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
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
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

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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)
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
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
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

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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)
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
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

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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)
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
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
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
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

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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)
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
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
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
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

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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	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
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	43.00	NM	NA	3372.42
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
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

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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	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
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
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
MW055SA	01/06/2003	3407.43	41.20	NM	NA	3366.23

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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)
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
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
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

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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)
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
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
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
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
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
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

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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	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
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
MW062A	01/31/2003	3434.19	57.13	NM	NA	3377.06
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

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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	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
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
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
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

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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)
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
MW065SA	03/20/2018	3402.96	49.51	NM	NA	3353.45
MW065SA	04/09/2019	3402.96	48.71	NM	NA	3354.25
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

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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)
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
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
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
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

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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)
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
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
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
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

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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)
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
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

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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)
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
MW071SA	10/07/2019	3401.01	47.17	NM	NA	3353.84
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
MW073SA	05/03/2003	3403.26	50.25	NM	NA	3353.01

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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)
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
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
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

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Historical Groundwater Elevations
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Eunice, Lea County, New Mexico

ARCADIS Design & Consultancy for natural and built assets

Location ID	Date	Top of Casing (feet amsl)	Depth To Groundwater (feet)	Depth to LNAPL (feet btoc)	LNAPL Thickness (feet)	Groundwater Elevation (feet amsl)
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
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
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
MW077SA	02/18/2004	3401.71	53.71	NM	NA	3348.00

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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)
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
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
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

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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)
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
MW079SA	04/09/2019	3408.80	43.43	NM	NA	3365.37
MW079SA	10/07/2019	3408.80	44.61	NM	NA	3364.19
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

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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)
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
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
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

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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)
MW085SA	05/23/2005	3405.98	54.44	NM	NA	3351.54
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
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
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
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

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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)
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
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
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
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
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

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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)
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
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
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
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

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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)
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
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
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
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
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	46.30	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
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
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

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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)
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
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

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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)
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
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

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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)
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 Design & Consultancy for natural and built assets

Chevron North Eunice

DATA REVIEW

NORTH EUNICE, NEW MEXICO

Volatiles, TPH, Metals and Miscellaneous Analyses

SDGs # 620864, 621021, 621022, 621177, 621180, 621298, 621300 and 621481

Analyses Performed By:
Xenco Laboratories

Midland, TX

Report # 33291R
Review Level: Tier II
Project: B0048789.0004

SUMMARY

This data quality assessment summarizes the review of Sample Delivery Groups (SDGs) # 620864, 621021, 621022, 621177, 621180, 621298, 621300 and 621481 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:

SDG Number	Sample ID	Lab ID	Matrix	Sample Collection Date	Parent Sample	Analysis			
						VOC	TPH	MET	MISC
620864	MW-100-W-190411	620864-001	Water	04-11-19				X	X
	MW076SA-W-190411	620864-002	Water	04-11-19				X	X
	MW075SA- W-190411	620864-003	Water	04-11-19				X	X
	MW084SA- W-190411	620864-004	Water	04-11-19				X	X
	MW085SA- W-190411	620864-005	Water	04-11-19				X	X
	MW086SA- W-190411	620864-006	Water	04-11-19				X	X
	MW071SA- W-190411	620864-007	Water	04-11-19				X	X
	MW065SA- W-190411	620864-008	Water	04-11-19				X	X
	MW066SA- W-190411	620864-009	Water	04-11-19				X	X
	MW073SA- W-190411	620864-010	Water	04-11-19				X	X
	MW072SA- W-190411	620864-011	Water	04-11-19				X	X
	DUP08- W-190411	620864-012	Water	04-11-19	MW-100-W-190411			X	X
621021	IW010-W-190412	621021-001	Water	04-12-19				X	X
	IW008-W-190412	621021-002	Water	04-12-19				X	X
	MW055SA-W-190412	621021-003	Water	04-12-19				X	X
	MW074SA-W-190412	621021-004	Water	04-12-19				X	X
	MW021A-W-190412	621021-005	Water	04-12-19				X	X
621022	MW062A-W-190412	621022-001	Water	04-12-19				X	X
	MW063A-W-190412	621022-002	Water	04-12-19				X	X
	MW024A-W-190412	621022-003	Water	04-12-19				X	X
	MW099-W-190412	621022-004	Water	04-12-19				X	X
	MW070-W-190412	621022-005	Water	04-12-19				X	X
	MW030-W-190412	621022-006	Water	04-12-19				X	X

DATA REVIEW REPORT

SDG Number	Sample ID	Lab ID	Matrix	Sample Collection Date	Parent Sample	Analysis			
						VOC	TPH	MET	MISC
	DUP06-W-190412	621022-007	Water	04-12-19	MW058-W-190412			X	X
	MW058-W-190412	621022-008	Water	04-12-19				X	X
621177	MW057SA-W-190415	621177-001	Water	04-15-19		X	X	X	X
	MW043-W-190415	621177-002	Water	04-15-19				X	X
	MW050SA-W-190415	621177-003	Water	04-15-19				X	X
	MW051SA-W-190415	621177-004	Water	04-15-19				X	X
	MW079SA-W-190415	621177-005	Water	04-15-19				X	X
	IW003-W-190415	621177-006	Water	04-15-19				X	X
621180	MW023-W-190415	621180-001	Water	04-15-19				X	X
	MW059-W-190415	621180-002	Water	04-15-19				X	X
	MW031-W-190415	621180-003	Water	04-15-19				X	X
	MW069-W-190415	621180-004	Water	04-15-19				X	X
	MW068-W-190415	621180-005	Water	04-15-19				X	X
621298	MW095-W-190416	621298-001	Water	04-16-19				X	X
	MW060-W-190416	621298-002	Water	04-16-19				X	X
	MW061-W-190416	621298-003	Water	04-16-19				X	X
	MW094-W-190416	621298-004	Water	04-16-19				X	X
	MW032-W-190416	621298-005	Water	04-16-19				X	X
	MW027-W-190416	621298-006	Water	04-16-19				X	X
	MW026-W-190416	621298-007	Water	04-16-19				X	X
	MW015A-W-190416	621298-008	Water	04-16-19				X	X
	MW013-W-190416	621298-009	Water	04-16-19				X	X
	MW040A-W-190416	621298-010	Water	04-16-19				X	X
	MW010-W-190416	621298-011	Water	04-16-19				X	X
	MW037-W-190416	621298-012	Water	04-16-19		X	X	X	X
	MW004A-W-190416	621298-013	Water	04-16-19				X	X
	IW024-W-190416	621298-014	Water	04-16-19				X	X
	DUP04-W-190416	621298-015	Water	04-16-19	MW032-W-190416			X	X
	DUP07-W-190416	621298-016	Water	04-16-19	MW095-W-190416			X	X
621300	MW054SA-W-190416	621300-001	Water	04-16-19				X	X

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SDG Number	Sample ID	Lab ID	Matrix	Sample Collection Date	Parent Sample	Analysis			
						VOC	TPH	MET	MISC
	MW052SA-W-190416	621300-002	Water	04-16-19				X	X
	MW049SA-W-190416	621300-003	Water	04-16-19				X	X
	MW048SA-W-190416	621300-004	Water	04-16-19				X	X
	MW041A-W-190416	621300-005	Water	04-16-19				X	X
	IW019-W-190416	621300-006	Water	04-16-19		X	X	X	X
	MW093SA-W-190416	621300-007	Water	04-16-19				X	X
	IW023-W-190416	621300-008	Water	04-16-19				X	X
	MW020A-W-190416	621300-009	Water	04-16-19				X	X
	DUP01-W-190416	621300-010	Water	04-16-19	IW019-W-190416	X	X	X	X
	MW019A-W-190416	621300-011	Water	04-16-19				X	X
	MW018-W-190416	621300-012	Water	04-16-19				X	X
	MW097P-W-190416	621300-013	Water	04-16-19				X	X
	DUP03-W-190416	621300-014	Water	04-16-19	MW020A-W-190416			X	X
621481	MW090SA-W-190417	621481-001	Water	04-17-19				X	X
	MW089SA-W-190417	621481-002	Water	04-17-19				X	X
	MW007A-W-190417	621481-003	Water	04-17-19				X	X
	MW047-W-190417	621481-004	Water	04-17-19				X	X
	MW001-W-190417	621481-005	Water	04-17-19		X	X	X	X
	MW002A-W-190417	621481-006	Water	04-17-19				X	X
	MW046A-W-190417	621481-007	Water	04-17-19		X	X	X	X
	MW045-W-190417	621481-008	Water	04-17-19		X	X	X	X
	MW012M-W-190417	621481-009	Water	04-17-19				X	X
	MW088M-W-190417	621481-010	Water	04-17-19				X	X
	MW087A-W-190417	621481-011	Water	04-17-19				X	X
	MW008M-W-190417	621481-012	Water	04-17-19				X	X
	MW011A-W-190417	621481-013	Water	04-17-19				X	X
	MW056SA-W-190417	621481-014	Water	04-17-19				X	X
	DUP05-W-190417	621481-015	Water	04-17-19	MW045-W-190417	X	X	X	X

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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

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DATA REVIEW REPORT

ORGANIC ANALYSIS INTRODUCTION

Analyses were performed according to United States Environmental Protection Agency (USEPA) SW-846 Method 8021B and 8015 Mod. Data were reviewed in accordance with USEPA National Functional Guidelines of October 1999.

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.

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DATA REVIEW REPORT

VOLATILE ORGANIC COMPOUND (VOC) ANALYSES

1. Holding Times

The specified holding times for the following methods are presented in the following table.

Method	Matrix	Holding Time	Preservation
SW-846 8021B	Water	14 days from collection to analysis (preserved) 7 days from collection to analysis (non-preserved)	Cool to <6 °C; preserved to a pH of less than 2 s.u.

Note:

s.u. Standard units

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.

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The MS/MSD analysis performed on sample MW045-W-190417 exhibited acceptable recoveries and RPD between the MS/MSD recoveries.

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.

The calculated RPDs between the parent sample and field duplicate were acceptable.

7. System Performance and Overall Assessment

Sample results associated with compound that exhibited a concentration greater than the linear range of the instrument calibration are summarized in the following table.

SDG	Sample ID	Compound	Original Analysis	Diluted Analysis	Reported Analysis
621298	MW037-W-190416	Benzene		0.719 D	0.719 D

Sample results associated with compounds exhibiting concentrations greater than the linear range are qualified as documented in the table below when reported as the final reported sample result.

Reported Sample Results	Qualification
Diluted sample result within calibration range	D
Diluted sample result less than the calibration range	DJ
Diluted sample result greater than the calibration range	EDJ
Original sample result greater than the calibration range	EJ

Overall system performance was acceptable. Other than for those deviations specifically mentioned in this review, the overall data quality is within the guidelines specified in the method.

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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	
Moisture Content	X				X

Notes:

%R Percent recovery

RPD Relative percent difference

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DATA REVIEW REPORT

TPH ANALYSES

1. Holding Times

The specified holding times for the following methods are presented in the following table.

Method	Matrix	Holding Time	Preservation
TPH by SW-846 8015B	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.

The MS/MSD analysis performed on samples MW043-W-20190415 and MW001-W-20190417 exhibited acceptable recoveries and RPD between the MS/MSD recoveries.

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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 matries.

The calculated RPDs between the parent sample and field duplicate were acceptable.

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.

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DATA VALIDATION CHECKLIST FOR TPH

DRO/GRO; SW-846 8015 Mod	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	
Moisture Content	X				X

Notes:
%R - percent recovery
RPD - relative percent difference

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DATA REVIEW REPORT

INORGANIC ANALYSIS INTRODUCTION

Analyses were performed according to United States Environmental Protection Agency (USEPA) SW-846 Method 6020A, 7196A, EPA 300 and SM 2540C. Data were reviewed in accordance with USEPA National Functional Guidelines of July 2002.

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.

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.

The MS/MSD analysis performed on samples MW100-W-190411, MW095-W-190416 and MW090SA-W-190417 exhibited acceptable recoveries and RPD between MS/MSD recoveries.

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 times the RL is applied for water matrices.

MS/MSD analysis was performed in replacement of the laboratory duplicate analysis. The MS/MSD recoveries exhibited acceptable RPD.

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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	Duplicate Result	RPD
620864	MW-100-W-190411/DUP08- W-190411	Arsenic	0.0106	0.0106	AC
		Chromium	0.00733	0.00692	AC
		Iron	0.360	0.345	AC
		Manganese	0.299	0.303	1.3%
621022	MW058-W-190412/DUP06- W-190412	Arsenic	0.0127	0.013	AC
		Chromium	3.16	3.25	2.8%
621298	MW032-W-190416/DUP04- W-190416	Chromium	0.00473	0.00505	6.5%
		Arsenic	0.00370 J	0.00315 J	AC
		Iron	0.100 U	0.0230 J	AC
		Manganese	0.00172 J	0.00127 J	AC
	MW095- W-190416/DUP07- W-190416	Arsenic	0.00930	0.00823	AC
		Chromium	3.77	3.97	5.2%
		Iron	0.242	0.239	1.2%
		Manganese	0.147	0.126	15.4%
621300	IW019-W-190416/DUP01- W-190416	Arsenic	0.00987	0.0106 J	AC
		Chromium	0.672	0.736	AC
		Iron	0.0721 J	0.500 U	AC
		Manganese	0.139	0.105	AC
	MW020A-W-190416/DUP03-W-190416	Arsenic	0.0111 J	0.0106 J	AC
		Chromium	0.00560 J	0.00511 J	AC
		Manganese	0.00112 J	0.00123 J	AC
621481	MW045-W-190417/DUP-05- W-190417	Chromium	0.0120	0.0111	7.8%
		Manganese	0.0782	0.0736	6.1%
		Iron	0.0767 J	0.0544 J	AC
		Arsenic	0.00232 J	0.00221 J	AC

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.

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DATA VALIDATION CHECKLIST FOR METAL

METALS; SW-846 6020A	Reported		Performance Acceptable		Not Required
	No	Yes	No	Yes	
Inductively Coupled Plasma-Mass Spectrometry (ICP-MS)					
Tier II Validation					
Holding Times		X		X	
Reporting limits (units)		X		X	
Blanks					
A. Instrument Blanks	X				X
B. Method Blanks		X		X	
C. Equipment/Field Blanks	X				X
Laboratory Control Sample (LCS)		X		X	
Laboratory Control Sample Duplicate(LCSD) %R		X		X	
LCS/LCSD Precision (RPD)		X		X	
Matrix Spike (MS) %R		X		X	
Matrix Spike Duplicate (MSD) %R		X		X	
MS/MSD Precision (RPD)		X		X	
Field/Lab Duplicate (RPD)		X		X	
ICP Serial Dilution %D	X				X
Reporting Limit Verification		X		X	

Notes:

%R Percent recovery

RPD Relative percent difference

%D – difference

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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.

Analytes were detected in the associated QA blanks; however, the associated sample results were greater than the BAL. Therefore, no other qualification of the sample results was required.

3. Matrix Spike (MS)/Laboratory Duplicate Analysis

MS and laboratory duplicate data are used to assess the precision and accuracy of the analytical method.

3.1 MS/MSD Analysis

All analytes must exhibit a percent recovery within the established acceptance limits of 75% to 125%. The MS/MSD recovery control limits do not apply for MS/MSD performed on sample locations where the analyte's concentration detected in the parent sample exceeds the MS concentration by a factor of four or greater. In instance where this is true, the data will not be qualified even if the percent recovery does not meet the control limits and the laboratory flag will be removed.

All analytes associated with MS/MSD recoveries were within control limits with the exception of the following analytes present in the table below.

SDG#	Sample ID	Analyte	MS Recovery	MSD Recovery
621298	MW060-W-190416	Chromium, Hexavalent	<LL but>30%	<LL but>30%

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The criteria used to evaluate MS/MSD recoveries are presented in the following table. In the case of an MS deviation, the sample results are qualified. The qualifications are applied to the parent sample result associated with this SDG.

Control limit	Sample Result	Qualification
MS percent recovery 30% to 74%	Non-detect	UJ
	Detect	J
MS percent recovery <30%	Non-detect	R
	Detect	J
MS percent recovery >125%	Non-detect	No Action
	Detect	J

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 time the RL is applied for water matrices and two times the RL for soil matrices.

The laboratory duplicate sample results exhibited RPD within the control limit.

4. Field Duplicate Analysis

Field duplicate analysis is used to assess the overall precision of the field sampling procedures and analytical method. A control limit of 30% for water matrices and 50% for soil matrices is applied to the RPD between the parent sample and the field duplicate. In the instance when the parent and/or duplicate sample concentrations are less than or equal to 5 times the RL, a control limit of two times the RL is applied for water matrices or three times the RL is applied for soil matrices.

Results for duplicate samples are summarized in the following table.

SDG#	Sample ID/Duplicate ID	Analytes	Sample Result (mg/l)	Duplicate Result (mg/l)	RPD
620864	MW-100-W-190411/DUP08- W-190411	Chloride	948	976	2.9%
		Total Dissolved Solids	1900	1970	3.6%
621022	MW058-W-190412/DUP06- W-190412	Chloride	1150	1040	10%
		Total Dissolved Solids	4180	3900	6.9%
		Chromium, Hexavalent	2.74	2.9	5.7%
621298	MW032-W-190416/DUP04- W-190416	Chloride	386	374	3.2%
		Total Dissolved Solids	1340	372	113.1%

SDG#	Sample ID/Duplicate ID	Analytes	Sample Result (mg/l)	Duplicate Result (mg/l)	RPD
621298	MW095- W-190416/DUP07- W-190416	Chloride	1500	1410	6.2%
		Total Dissolved Solids	3760	5320	34.4%
		Chromium, Hexavalent	3.46	3.54	2.3%
621300	IW019-W-190416/DUP01- W-190416	Chloride	1130	361	103.2%
		Total Dissolved Solids	3310	3190	3.7%
		Chromium, Hexavalent	0.664	0.698	5.0%
	MW020A-W-190416/DUP03-W-190416	Chloride	1320	1060	21.8%
		Total Dissolved Solids	2180	2140	1.8%
621481	MW045-W-190417/DUP-05- W-190417	Chloride	76	77.3	1.7%
		Total Dissolved Solids	1460	1400	4.2%

Notes:

AC = Acceptable

The analyte chloride associated with field duplicate pair IW019-W-190416/DUP01- W-190416 exhibited a field duplicate RPD greater than the control limit. The chloride result in associated samples were qualified as estimated.

The analyte total dissolved solids associated with field duplicate pairs MW032-W-190416/DUP04- W-190416 and MW095- W-190416/DUP07- W-190416 exhibited a field duplicate RPD greater than the control limit. Total dissolved solid result in associated sample 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.

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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	
Field/Lab Duplicate (RPD)		X	X		
Dilution Factor		X		X	
Moisture Content	X				X

Notes:

%RSD – relative standard deviation
%R - percent recovery
RPD - relative percent difference,

Released to Imaging: 6/14/2022 10:44:20 AM

DATA REVIEW REPORT

VALIDATION PERFORMED BY: Suresh PR

SIGNATURE:

DATE: September 09, 2019

Released to Imaging: 6/14/2022 10:44:20 AM

CHAIN OF CUSTODY

CORRECTED SAMPLE ANALYSIS DATA SHEETS



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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: 620864

Page 1 of 2

Project Manager:	Brett Krehbiel	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:	916-786-5382	Email:	brett.krehbiel@arcadis.com

Work Order Comments

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

Project Name:	Eunice Project-N. Eunice	Turn Around	
Project Number:	30048789	Routine ☑	
P.O. Number:	30048789	Rush:	
Sampler's Name:	Jerry Stowsard	Due Date:	

SAMPLE RECEIPT			
Temp Blank:	Yes No	Wet Ice:	Yes No
Temperature (°C):	2.6/2.5	Thermometer ID	R8
Received Intact:	Yes No		
Cooler Custody Seals:	Yes No N/A	Correction Factor:	-0.1
Sample Custody Seals:	Yes No N/A	Total Containers:	

Sample Identification	Matrix	Date Sampled	Time Sampled	Depth	Number of Containers	BTEX (SW8021)	TPH (SW8015)	Hex Chrome (SW7196A)	Dissolved Metals (SW6020_DIS): Aresenic, Maganese, Iron & Chromium	TDS (SW2540)	Chlorides (E300)
MW100	W	04/11/19	0759		8	✓	✓	✓	✓	✓	✓
MW076SA			0846		8	✓	✓	✓	✓	✓	✓
MW075SA			0921		8	✓	✓	✓	✓	✓	✓
MW084SA			0941		8	✓	✓	✓	✓	✓	✓
MW085SA			1008		8	✓	✓	✓	✓	✓	✓
MW086SA			1032		8	✓	✓	✓	✓	✓	✓
MW071SA			1140		8	✓	✓	✓	✓	✓	✓
MW065SA			1230		8	✓	✓	✓	✓	✓	✓
MW066SA			1253		8	✓	✓	✓	✓	✓	✓
MW073SA	W	04/11/19	1318		8	✓	✓	✓	✓	✓	✓

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 Stowsard	Winston Nobl	4/11/19 16:17	2		4/11/19 18:00
3			4		
5			6		

Revised Date 051418 Rev. 2018.1

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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: 620864

Page 2 of 2

Project Manager:	Brett Krehbiel	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:	916-786-5382	Email:	brett.krehbiel@arcadis.com

Work Order Comments

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

Project Name:	Eunice Project-N. Eunice	Turn Around	
Project Number:	30048789	Routine	☑
P.O. Number:	30048789	Rush:	
Sampler's Name:	Terry Stanzell	Due Date:	

SAMPLE RECEIPT			
Temp Blank:	Yes (No)	Wet Ice:	(Yes) No
Temperature (°C):	2.1 0.5	Thermometer ID	RE
Received Intact:	(Yes) No		
Cooler Custody Seals:	Yes No (N/A)	Correction Factor:	-0.1
Sample Custody Seals:	Yes No (N/A)	Total Containers:	

ANALYSIS REQUEST

Sample Identification	Matrix	Date Sampled	Time Sampled	Depth	Number of Containers	BTEX (SW8021)	TPH (SW8015)	Hex Chrome (SW7196A)	Dissolved Metals (SW6020_DIS): Aresenic, Maganese, Iron & Chromium	TDS (SW2540)	Chlorides (E300)
MW07-25A	W	04/11/19	1338		8	✓	✓	✓	✓	✓	✓
DUP8	W	04/11/19	—		8	✓	✓	✓	✓	✓	✓

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	Terry Stanzell	Preston Nail	4/11/19 16:17	2		
3				4		
5				6		

Revised Date 051418 Rev. 2018.1

Received by OCD: 3/25/2020 3:45:40 PM
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Certificate of Analytical Results
620864
ARCADIS, Midland, TX
Eunice Project- N. Eunice

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

Lab Sample Id: 620864-001 Date Collected: 04.11.2019 07:59 Date Received: 04.11.2019 18:00

Analytical Method: Chloride by EPA 300 Prep Method: E300P

Analyst: SPC % Moist: Tech: SPC

Seq Number: 3086124 Date Prep: 04.17.2019 18:30

Prep seq: 7676021

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Chloride	16887-00-6	**948**	10.0	1.72	mg/L	04.17.2019 22:58		20

Analytical Method: TDS by SM2540C Prep Method:

Analyst: SPC % Moist: Tech: SPC

Seq Number: 3085484 Date Prep:

Prep seq:

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Total Dissolved Solids	1642222	**1900**	5.00	5.00	mg/L	04.12.2019 12:50		1

Analytical Method: Dissolved Metals by SW6020A Prep Method: 3010A

Analyst: DEP % Moist: Tech: DEP

Seq Number: 3086048 Date Prep: 04.17.2019 09:45

Subcontractor: SUB: T104704215-19-29 Prep seq: 7675917

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Arsenic	7440-38-2	**0.0106**	0.00400	0.000246	mg/L	04.17.2019 17:44		1
Chromium	7440-47-3	**0.00733**	0.00400	0.000525	mg/L	04.17.2019 17:44		1
Iron	7439-89-6	**0.360**	0.100	0.0227	mg/L	04.17.2019 17:44		1
Manganese	7439-96-5	**0.299**	0.00200	0.000199	mg/L	04.17.2019 17:44		1

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

Analyst: SCM % Moist: Tech: SCM

Seq Number: 3085763 Date Prep:

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	04.12.2019 08:04	~~UK~~ U	1

Certificate of Analytical Results
620864

ARCADIS, Midland, TX

Eunice Project- N. Eunice

Sample Id: **MW076SA** Matrix: Water Sample Depth:

Lab Sample Id: 620864-002 Date Collected: 04.11.2019 08:46 Date Received: 04.11.2019 18:00

Analytical Method: Chloride by EPA 300 Prep Method: E300P

Analyst: SPC % Moist: Tech: SPC

Seq Number: 3086124 Date Prep: 04.17.2019 18:30

Prep seq: 7676021

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Chloride	16887-00-6	**601**	10.0	1.72	mg/L	04.17.2019 23:07		20

Analytical Method: TDS by SM2540C Prep Method:

Analyst: SPC % Moist: Tech: SPC

Seq Number: 3085484 Date Prep:

Prep seq:

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Total Dissolved Solids	1642222	**1950**	5.00	5.00	mg/L	04.12.2019 12:50		1

Analytical Method: Dissolved Metals by SW6020A Prep Method: 3010A

Analyst: DEP % Moist: Tech: DEP

Seq Number: 3086048 Date Prep: 04.17.2019 09:45

Subcontractor: SUB: T104704215-19-29 Prep seq: 7675917

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Arsenic	7440-38-2	**0.0123**	0.00400	0.000246	mg/L	04.17.2019 18:05		1
Chromium	7440-47-3	**0.0119**	0.00400	0.000525	mg/L	04.17.2019 18:05		1
Iron	7439-89-6	**0.225**	0.100	0.0227	mg/L	04.17.2019 18:05		1
Manganese	7439-96-5	**0.00388**	0.00200	0.000199	mg/L	04.17.2019 18:05		1

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

Analyst: SCM % Moist: Tech: SCM

Seq Number: 3085763 Date Prep:

Prep seq:

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Chromium, Hexavalent	18540-29-9	**0.0143**	0.0100	0.00273	mg/L	04.12.2019 08:04		1

Certificate of Analytical Results
620864

ARCADIS, Midland, TX

Eunice Project- N. Eunice

Sample Id: **MW075SA** Matrix: Water Sample Depth:

Lab Sample Id: 620864-003 Date Collected: 04.11.2019 09:21 Date Received: 04.11.2019 18:00

Analytical Method: Chloride by EPA 300 Prep Method: E300P

Analyst: SPC % Moist: Tech: SPC

Seq Number: 3086124 Date Prep: 04.17.2019 18:30

Prep seq: 7676021

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Chloride	16887-00-6	**466**	10.0	1.72	mg/L	04.17.2019 23:15		20

Analytical Method: TDS by SM2540C Prep Method:

Analyst: SPC % Moist: Tech: SPC

Seq Number: 3085484 Date Prep:

Prep seq:

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Total Dissolved Solids	1642222	**1770**	5.00	5.00	mg/L	04.12.2019 12:50		1

Analytical Method: Dissolved Metals by SW6020A Prep Method: 3010A

Analyst: DEP % Moist: Tech: DEP

Seq Number: 3086048 Date Prep: 04.17.2019 09:45

Subcontractor: SUB: T104704215-19-29 Prep seq: 7675917

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Arsenic	7440-38-2	**0.0134**	0.00400	0.000246	mg/L	04.17.2019 18:07		1
Chromium	7440-47-3	**0.0128**	0.00400	0.000525	mg/L	04.17.2019 18:07		1
Iron	7439-89-6	<0.0227	0.100	0.0227	mg/L	04.17.2019 18:07	U	1
Manganese	7439-96-5	**0.000224**	0.00200	0.000199	mg/L	04.17.2019 18:07	J	1

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

Analyst: SCM % Moist: Tech: SCM

Seq Number: 3085763 Date Prep:

Prep seq:

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Chromium, Hexavalent	18540-29-9	**0.00940**	0.0100	0.00273	mg/L	04.12.2019 08:04	J	1

Certificate of Analytical Results
620864

ARCADIS, Midland, TX

Eunice Project- N. Eunice

Sample Id: **MW084SA** Matrix: Water Sample Depth:

Lab Sample Id: 620864-004 Date Collected: 04.11.2019 09:41 Date Received: 04.11.2019 18:00

Analytical Method: Chloride by EPA 300 Prep Method: E300P

Analyst: SPC % Moist: Tech: SPC

Seq Number: 3086124 Date Prep: 04.17.2019 18:30

Prep seq: 7676021

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Chloride	16887-00-6	**1220**	25.0	4.29	mg/L	04.17.2019 23:23		50

Analytical Method: TDS by SM2540C Prep Method:

Analyst: SPC % Moist: Tech: SPC

Seq Number: 3085484 Date Prep:

Prep seq:

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Total Dissolved Solids	1642222	**5910**	5.00	5.00	mg/L	04.12.2019 12:50		1

Analytical Method: Dissolved Metals by SW6020A Prep Method: 3010A

Analyst: DEP % Moist: Tech: DEP

Seq Number: 3086048 Date Prep: 04.17.2019 09:45

Subcontractor: SUB: T104704215-19-29 Prep seq: 7675917

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Arsenic	7440-38-2	**0.00962**	0.00400	0.000246	mg/L	04.17.2019 18:10		1
Chromium	7440-47-3	**0.0205**	0.00400	0.000525	mg/L	04.17.2019 18:10		1
Iron	7439-89-6	**0.415**	0.100	0.0227	mg/L	04.17.2019 18:10		1
Manganese	7439-96-5	**0.0177**	0.00200	0.000199	mg/L	04.17.2019 18:10		1

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

Analyst: SCM % Moist: Tech: SCM

Seq Number: 3085763 Date Prep:

Prep seq:

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Chromium, Hexavalent	18540-29-9	**0.0167**	0.0100	0.00273	mg/L	04.12.2019 08:04		1

Certificate of Analytical Results
620864

ARCADIS, Midland, TX

Eunice Project- N. Eunice

Sample Id: **MW085SA** Matrix: Water Sample Depth:

Lab Sample Id: 620864-005 Date Collected: 04.11.2019 10:08 Date Received: 04.11.2019 18:00

Analytical Method: Chloride by EPA 300 Prep Method: E300P

Analyst: SPC % Moist: Tech: SPC

Seq Number: 3086124 Date Prep: 04.17.2019 18:30

Prep seq: 7676021

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Chloride	16887-00-6	**1580**	25.0	4.29	mg/L	04.17.2019 23:32		50

Analytical Method: TDS by SM2540C Prep Method:

Analyst: SPC % Moist: Tech: SPC

Seq Number: 3085484 Date Prep:

Prep seq:

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Total Dissolved Solids	1642222	**3660**	5.00	5.00	mg/L	04.12.2019 12:50		1

Analytical Method: Dissolved Metals by SW6020A Prep Method: 3010A

Analyst: DEP % Moist: Tech: DEP

Seq Number: 3086048 Date Prep: 04.17.2019 09:45

Subcontractor: SUB: T104704215-19-29 Prep seq: 7675917

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Arsenic	7440-38-2	**0.0141**	0.00400	0.000246	mg/L	04.17.2019 18:13		1
Chromium	7440-47-3	**0.0559**	0.00400	0.000525	mg/L	04.17.2019 18:13		1
Iron	7439-89-6	**0.319**	0.100	0.0227	mg/L	04.17.2019 18:13		1
Manganese	7439-96-5	**0.0265**	0.00200	0.000199	mg/L	04.17.2019 18:13		1

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

Analyst: SCM % Moist: Tech: SCM

Seq Number: 3085763 Date Prep:

Prep seq:

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Chromium, Hexavalent	18540-29-9	**0.0236**	0.0100	0.00273	mg/L	04.12.2019 08:04		1

Certificate of Analytical Results
620864
ARCADIS, Midland, TX
Eunice Project- N. Eunice

Sample Id: **MW086SA** Matrix: Water Sample Depth:

Lab Sample Id: 620864-006 Date Collected: 04.11.2019 10:32 Date Received: 04.11.2019 18:00

Analytical Method: Chloride by EPA 300 Prep Method: E300P

Analyst: SPC % Moist: Tech: SPC

Seq Number: 3086124 Date Prep: 04.17.2019 18:30

Prep seq: 7676021

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Chloride	16887-00-6	**1370**	25.0	4.29	mg/L	04.18.2019 00:05		50

Analytical Method: TDS by SM2540C Prep Method:

Analyst: SPC % Moist: Tech: SPC

Seq Number: 3085484 Date Prep:

Prep seq:

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Total Dissolved Solids	1642222	**3160**	5.00	5.00	mg/L	04.12.2019 12:50		1

Analytical Method: Dissolved Metals by SW6020A Prep Method: 3010A

Analyst: DEP % Moist: Tech: DEP

Seq Number: 3086048 Date Prep: 04.17.2019 09:45

Subcontractor: SUB: T104704215-19-29 Prep seq: 7675917

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Arsenic	7440-38-2	**0.0116**	0.00400	0.000246	mg/L	04.17.2019 18:16		1
Chromium	7440-47-3	**0.0482**	0.00400	0.000525	mg/L	04.17.2019 18:16		1
Iron	7439-89-6	**0.0839**	0.100	0.0227	mg/L	04.17.2019 18:16	J	1
Manganese	7439-96-5	**0.00235**	0.00200	0.000199	mg/L	04.17.2019 18:16		1

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

Analyst: SCM % Moist: Tech: SCM

Seq Number: 3085763 Date Prep:

Prep seq:

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Chromium, Hexavalent	18540-29-9	**0.0385**	0.0100	0.00273	mg/L	04.12.2019 08:04		1

Certificate of Analytical Results
620864

ARCADIS, Midland, TX

Eunice Project- N. Eunice

Sample Id: **MW071SA** Matrix: Water Sample Depth:

Lab Sample Id: 620864-007 Date Collected: 04.11.2019 11:40 Date Received: 04.11.2019 18:00

Analytical Method: Chloride by EPA 300 Prep Method: E300P

Analyst: SPC % Moist: Tech: SPC

Seq Number: 3086124 Date Prep: 04.17.2019 18:30

Prep seq: 7676021

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Chloride	16887-00-6	**636**	5.00	0.858	mg/L	04.18.2019 12:56		10

Analytical Method: TDS by SM2540C Prep Method:

Analyst: SPC % Moist: Tech: SPC

Seq Number: 3085484 Date Prep:

Prep seq:

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Total Dissolved Solids	1642222	**1490**	5.00	5.00	mg/L	04.12.2019 12:50		1

Analytical Method: Dissolved Metals by SW6020A Prep Method: 3010A

Analyst: DEP % Moist: Tech: DEP

Seq Number: 3086048 Date Prep: 04.17.2019 09:45

Subcontractor: SUB: T104704215-19-29 Prep seq: 7675917

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Arsenic	7440-38-2	**0.00836**	0.00400	0.000246	mg/L	04.17.2019 18:19		1
Chromium	7440-47-3	**0.00587**	0.00400	0.000525	mg/L	04.17.2019 18:19		1
Iron	7439-89-6	**0.0284**	0.100	0.0227	mg/L	04.17.2019 18:19	J	1
Manganese	7439-96-5	**0.216**	0.00200	0.000199	mg/L	04.17.2019 18:19		1

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

Analyst: SCM % Moist: Tech: SCM

Seq Number: 3085763 Date Prep:

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	04.12.2019 08:04	U	1

Certificate of Analytical Results
620864

ARCADIS, Midland, TX

Eunice Project- N. Eunice

Sample Id: **MW065SA** Matrix: Water Sample Depth:

Lab Sample Id: 620864-008 Date Collected: 04.11.2019 12:30 Date Received: 04.11.2019 18:00

Analytical Method: Chloride by EPA 300 Prep Method: E300P

Analyst: SPC % Moist: Tech: SPC

Seq Number: 3086124 Date Prep: 04.17.2019 18:30

Prep seq: 7676021

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Chloride	16887-00-6	**1050**	10.0	1.72	mg/L	04.18.2019 00:14		20

Analytical Method: TDS by SM2540C Prep Method:

Analyst: SPC % Moist: Tech: SPC

Seq Number: 3085484 Date Prep:

Prep seq:

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Total Dissolved Solids	1642222	**2590**	5.00	5.00	mg/L	04.12.2019 12:50		1

Analytical Method: Dissolved Metals by SW6020A Prep Method: 3010A

Analyst: DEP % Moist: Tech: DEP

Seq Number: 3086048 Date Prep: 04.17.2019 09:45

Subcontractor: SUB: T104704215-19-29 Prep seq: 7675917

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Arsenic	7440-38-2	**0.0103**	0.00400	0.000246	mg/L	04.17.2019 18:22		1
Chromium	7440-47-3	**0.0134**	0.00400	0.000525	mg/L	04.17.2019 18:22		1
Iron	7439-89-6	<0.0227	0.100	0.0227	mg/L	04.17.2019 18:22	U	1
Manganese	7439-96-5	**0.0107**	0.00200	0.000199	mg/L	04.17.2019 18:22		1

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

Analyst: SCM % Moist: Tech: SCM

Seq Number: 3085763 Date Prep:

Prep seq:

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Chromium, Hexavalent	18540-29-9	**0.00690**	0.0100	0.00273	mg/L	04.12.2019 08:04	J	1

Certificate of Analytical Results
620864

ARCADIS, Midland, TX

Eunice Project- N. Eunice

Sample Id: **MW066SA** Matrix: Water Sample Depth:

Lab Sample Id: 620864-009 Date Collected: 04.11.2019 12:53 Date Received: 04.11.2019 18:00

Analytical Method: Chloride by EPA 300 Prep Method: E300P

Analyst: SPC % Moist: Tech: SPC

Seq Number: 3086124 Date Prep: 04.17.2019 18:30

Prep seq: 7676021

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Chloride	16887-00-6	**836**	10.0	1.72	mg/L	04.18.2019 00:39		20

Analytical Method: TDS by SM2540C Prep Method:

Analyst: SPC % Moist: Tech: SPC

Seq Number: 3085484 Date Prep:

Prep seq:

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Total Dissolved Solids	1642222	**2040**	5.00	5.00	mg/L	04.12.2019 12:50		1

Analytical Method: Dissolved Metals by SW6020A Prep Method: 3010A

Analyst: DEP % Moist: Tech: DEP

Seq Number: 3086048 Date Prep: 04.17.2019 09:45

Subcontractor: SUB: T104704215-19-29 Prep seq: 7675917

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Arsenic	7440-38-2	**0.00974**	0.00400	0.000246	mg/L	04.17.2019 18:25		1
Chromium	7440-47-3	**0.0179**	0.00400	0.000525	mg/L	04.17.2019 18:25		1
Iron	7439-89-6	**0.0678**	0.100	0.0227	mg/L	04.17.2019 18:25	J	1
Manganese	7439-96-5	**0.0699**	0.00200	0.000199	mg/L	04.17.2019 18:25		1

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

Analyst: SCM % Moist: Tech: SCM

Seq Number: 3085763 Date Prep:

Prep seq:

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Chromium, Hexavalent	18540-29-9	**0.00650**	0.0100	0.00273	mg/L	04.12.2019 08:04	J	1

Certificate of Analytical Results
620864

ARCADIS, Midland, TX

Eunice Project- N. Eunice

Sample Id: **MW073SA** Matrix: Water Sample Depth:

Lab Sample Id: 620864-010 Date Collected: 04.11.2019 13:18 Date Received: 04.11.2019 18:00

Analytical Method: Chloride by EPA 300 Prep Method: E300P

Analyst: SPC % Moist: Tech: SPC

Seq Number: 3086124 Date Prep: 04.17.2019 18:30

Prep seq: 7676021

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Chloride	16887-00-6	**1000**	10.0	1.72	mg/L	04.18.2019 00:47		20

Analytical Method: TDS by SM2540C Prep Method:

Analyst: SPC % Moist: Tech: SPC

Seq Number: 3085484 Date Prep:

Prep seq:

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Total Dissolved Solids	1642222	**2020**	5.00	5.00	mg/L	04.12.2019 12:50		1

Analytical Method: Dissolved Metals by SW6020A Prep Method: 3010A

Analyst: DEP % Moist: Tech: DEP

Seq Number: 3086048 Date Prep: 04.17.2019 09:45

Subcontractor: SUB: T104704215-19-29 Prep seq: 7675917

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Arsenic	7440-38-2	**0.0102**	0.00400	0.000246	mg/L	04.17.2019 18:27		1
Chromium	7440-47-3	<0.000525	0.00400	0.000525	mg/L	04.17.2019 18:27	U	1
Iron	7439-89-6	<0.0227	0.100	0.0227	mg/L	04.17.2019 18:27	U	1
Manganese	7439-96-5	**0.00344**	0.00200	0.000199	mg/L	04.17.2019 18:27		1

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

Analyst: SCM % Moist: Tech: SCM

Seq Number: 3085763 Date Prep:

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	04.12.2019 08:04	U	1

Certificate of Analytical Results
620864

ARCADIS, Midland, TX

Eunice Project- N. Eunice

Sample Id: **MW072SA** Matrix: Water Sample Depth:

Lab Sample Id: 620864-011 Date Collected: 04.11.2019 13:38 Date Received: 04.11.2019 18:00

Analytical Method: Chloride by EPA 300 Prep Method: E300P

Analyst: SPC % Moist: Tech: SPC

Seq Number: 3086124 Date Prep: 04.17.2019 18:30

Prep seq: 7676021

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Chloride	16887-00-6	**218**	5.00	0.858	mg/L	04.18.2019 00:55		10

Analytical Method: TDS by SM2540C Prep Method:

Analyst: SPC % Moist: Tech: SPC

Seq Number: 3085484 Date Prep:

Prep seq:

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Total Dissolved Solids	1642222	**1050**	5.00	5.00	mg/L	04.12.2019 12:50		1

Analytical Method: Dissolved Metals by SW6020A Prep Method: 3010A

Analyst: DEP % Moist: Tech: DEP

Seq Number: 3086048 Date Prep: 04.17.2019 09:45

Subcontractor: SUB: T104704215-19-29 Prep seq: 7675917

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Arsenic	7440-38-2	**0.0186**	0.00400	0.000246	mg/L	04.17.2019 18:30		1
Chromium	7440-47-3	<0.000525	0.00400	0.000525	mg/L	04.17.2019 18:30	U	1
Iron	7439-89-6	**0.0464**	0.100	0.0227	mg/L	04.17.2019 18:30	J	1
Manganese	7439-96-5	**0.00182**	0.00200	0.000199	mg/L	04.17.2019 18:30	J	1

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

Analyst: SCM % Moist: Tech: SCM

Seq Number: 3085767 Date Prep:

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	04.12.2019 08:50	U	1

Certificate of Analytical Results
620864
ARCADIS, Midland, TX
Eunice Project- N. Eunice

Sample Id: **DUP08** Matrix: Water Sample Depth:

Lab Sample Id: 620864-012 Date Collected: 04.11.2019 00:00 Date Received: 04.11.2019 18:00

Analytical Method: Chloride by EPA 300 Prep Method: E300P

Analyst: SPC % Moist: Tech: SPC

Seq Number: 3086124 Date Prep: 04.17.2019 18:30

Prep seq: 7676021

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Chloride	16887-00-6	**976**	10.0	1.72	mg/L	04.18.2019 01:04		20

Analytical Method: TDS by SM2540C Prep Method:

Analyst: SPC % Moist: Tech: SPC

Seq Number: 3085484 Date Prep:

Prep seq:

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Total Dissolved Solids	1642222	**1970**	5.00	5.00	mg/L	04.12.2019 12:50		1

Analytical Method: Dissolved Metals by SW6020A Prep Method: 3010A

Analyst: DEP % Moist: Tech: DEP

Seq Number: 3086048 Date Prep: 04.17.2019 09:45

Subcontractor: SUB: T104704215-19-29 Prep seq: 7675917

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Arsenic	7440-38-2	**0.0106**	0.00400	0.000246	mg/L	04.17.2019 18:39		1
Chromium	7440-47-3	**0.00692**	0.00400	0.000525	mg/L	04.17.2019 18:39		1
Iron	7439-89-6	**0.345**	0.100	0.0227	mg/L	04.17.2019 18:39		1
Manganese	7439-96-5	**0.303**	0.00200	0.000199	mg/L	04.17.2019 18:39		1

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

Analyst: SCM % Moist: Tech: SCM

Seq Number: 3085767 Date Prep:

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	04.12.2019 08:50	~~UK~~ U	1

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Chain of Custody

Work Order No: 621021

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:	Brett Krehbiel	Bill to: (if different)	NA
Company Name:	ARCADIS	Company Name:	NA
Address:	1004 N. Big Spring St.	Address:	NA
City, State ZIP:	Midland, TX. 79701	City, State ZIP:	NA
Phone:	916-786-5382	Email:	brett.krehbiel@arcadis.com

Work Order Comments

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

Project Name:	Eunice Project-N. Eunice	Turn Around	
Project Number:	30048758	Routine	☒
P.O. Number:	30048789	Rush:	
Sampler's Name:	Jeremy S. Longwell	Due Date:	

SAMPLE RECEIPT			
Temp Blank:	Yes No	Wet Ice:	Yes No
Temperature (°C):	5.1 5.0	Thermometer ID	R8
Received Intact:	Yes No		
Cooler Custody Seals:	Yes No N/A	Correction Factor:	-0.1
Sample Custody Seals:	Yes No N/A	Total Containers:	

Sample Identification	Matrix	Date Sampled	Time Sampled	Depth	Number of Containers	BTEX (SW8021)	TPH (SW8015)	Hex Chrome (SW7196A)	Dissolved Metals (SW6020_DIS): Aresenic, Maganese, Iron & Chromium	TDS (SW2540)	Chlorides (E300)
IW010	W	4/12/19	0955		8	✓	✓	✓	✓	✓	✓
IW008	W	4/12/19	0920		8	✓	✓	✓	✓	✓	✓
MW005S5A	W	4/12/19	0951		9	✓	✓	✓	✓	✓	✓
MW074SA	W	4/12/19	1011		8	✓	✓	✓	✓	✓	✓
MW021A	W	4/12/19	1034		8	✓	✓	✓	✓	✓	✓

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 Jeremy S. Longwell		4.12.19 1605	2		
3			4		
5			6		

Revised Date 051418 Rev. 2018.1

Received by OCD: 3/25/2020 3:45:40 PM
Released to Imaging: 6/14/2022 10:44:20 AM
Final 1.006
Page 18 of 21

Certificate of Analytical Results
621021
ARCADIS, Midland, TX
Eunice Project- N. Eunice

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

Lab Sample Id: 621021-001 Date Collected: 04.12.2019 08:55 Date Received: 04.12.2019 16:51

Analytical Method: Chloride by EPA 300 Prep Method: E300P

Analyst: CHE % Moist: Tech: CHE

Seq Number: 3086304 Date Prep: 04.18.2019 16:30

Prep seq: 7676094

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Chloride	16887-00-6	**2280**	25.0	4.29	mg/L	04.19.2019 05:09		50

Analytical Method: TDS by SM2540C Prep Method:

Analyst: CHE % Moist: Tech: CHE

Seq Number: 3086275 Date Prep:

Prep seq:

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Total Dissolved Solids	1642222	**3120**	5.00	5.00	mg/L	04.15.2019 15:42		1

Analytical Method: Dissolved Metals by SW6020A Prep Method: 3010A

Analyst: DEP % Moist: Tech: DEP

Seq Number: 3086125 Date Prep: 04.18.2019 09:25

Subcontractor: SUB: T104704215-19-29 Prep seq: 7676022

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Arsenic	7440-38-2	**0.00899**	0.00400	0.000246	mg/L	04.18.2019 21:38		1
Chromium	7440-47-3	**0.00202**	0.00400	0.000525	mg/L	04.18.2019 21:38	J	1
Iron	7439-89-6	**11.8**	0.100	0.0227	mg/L	04.18.2019 21:38		1
Manganese	7439-96-5	**7.96**	0.200	0.0199	mg/L	04.19.2019 12:21	~~D~~	100

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

Analyst: SCM % Moist: Tech: SCM

Seq Number: 3085768 Date Prep:

Prep seq:

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Chromium, Hexavalent	18540-29-9	**0.00310**	0.0100	0.00273	mg/L	04.12.2019 18:15	J	1

Certificate of Analytical Results
621021
ARCADIS, Midland, TX
Eunice Project- N. Eunice

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

Lab Sample Id: 621021-002 Date Collected: 04.12.2019 09:20 Date Received: 04.12.2019 16:51

Analytical Method: Chloride by EPA 300 Prep Method: E300P

Analyst: CHE % Moist: Tech: CHE

Seq Number: 3086304 Date Prep: 04.18.2019 16:30

Prep seq: 7676094

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Chloride	16887-00-6	**875**	10.0	1.72	mg/L	04.19.2019 05:18		20

Analytical Method: TDS by SM2540C Prep Method:

Analyst: CHE % Moist: Tech: CHE

Seq Number: 3086275 Date Prep:

Prep seq:

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Total Dissolved Solids	1642222	**2160**	5.00	5.00	mg/L	04.15.2019 15:42		1

Analytical Method: Dissolved Metals by SW6020A Prep Method: 3010A

Analyst: DEP % Moist: Tech: DEP

Seq Number: 3086125 Date Prep: 04.18.2019 09:25

Subcontractor: SUB: T104704215-19-29 Prep seq: 7676022

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Arsenic	7440-38-2	**0.0235**	0.00400	0.000246	mg/L	04.18.2019 21:49		1
Chromium	7440-47-3	**0.00388**	0.00400	0.000525	mg/L	04.18.2019 21:49	J	1
Iron	7439-89-6	**4.78**	0.100	0.0227	mg/L	04.18.2019 21:49		1
Manganese	7439-96-5	**1.90**	0.0400	0.00397	mg/L	04.19.2019 12:24	~~D~~	20

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

Analyst: SCM % Moist: Tech: SCM

Seq Number: 3085768 Date Prep:

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	04.12.2019 18:15	U	1

Certificate of Analytical Results
621021

ARCADIS, Midland, TX

Eunice Project- N. Eunice

Sample Id: **MW055SA** Matrix: Water Sample Depth:

Lab Sample Id: 621021-003 Date Collected: 04.12.2019 09:51 Date Received: 04.12.2019 16:51

Analytical Method: Chloride by EPA 300 Prep Method: E300P

Analyst: CHE % Moist: Tech: CHE

Seq Number: 3086304 Date Prep: 04.18.2019 16:30

Prep seq: 7676094

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Chloride	16887-00-6	**653**	10.0	1.72	mg/L	04.19.2019 05:26		20

Analytical Method: TDS by SM2540C Prep Method:

Analyst: CHE % Moist: Tech: CHE

Seq Number: 3086275 Date Prep:

Prep seq:

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Total Dissolved Solids	1642222	**1700**	5.00	5.00	mg/L	04.15.2019 15:42		1

Analytical Method: Dissolved Metals by SW6020A Prep Method: 3010A

Analyst: DEP % Moist: Tech: DEP

Seq Number: 3086125 Date Prep: 04.18.2019 09:25

Subcontractor: SUB: T104704215-19-29 Prep seq: 7676022

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Arsenic	7440-38-2	**0.00749**	0.00400	0.000246	mg/L	04.18.2019 21:52		1
Chromium	7440-47-3	**0.177**	0.00400	0.000525	mg/L	04.18.2019 21:52		1
Iron	7439-89-6	<0.0227	0.100	0.0227	mg/L	04.18.2019 21:52	U	1
Manganese	7439-96-5	**0.000651**	0.00200	0.000199	mg/L	04.18.2019 21:52	J	1

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

Analyst: SCM % Moist: Tech: SCM

Seq Number: 3085768 Date Prep:

Prep seq:

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Chromium, Hexavalent	18540-29-9	**0.157**	0.0100	0.00273	mg/L	04.12.2019 18:15		1

Certificate of Analytical Results
621021

ARCADIS, Midland, TX

Eunice Project- N. Eunice

Sample Id: **MW074SA** Matrix: Water Sample Depth:

Lab Sample Id: 621021-004 Date Collected: 04.12.2019 10:11 Date Received: 04.12.2019 16:51

Analytical Method: Chloride by EPA 300 Prep Method: E300P

Analyst: CHE % Moist: Tech: CHE

Seq Number: 3086304 Date Prep: 04.18.2019 16:30

Prep seq: 7676094

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Chloride	16887-00-6	**384**	5.00	0.858	mg/L	04.19.2019 05:34		10

Analytical Method: TDS by SM2540C Prep Method:

Analyst: CHE % Moist: Tech: CHE

Seq Number: 3086275 Date Prep:

Prep seq:

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Total Dissolved Solids	1642222	**1520**	5.00	5.00	mg/L	04.15.2019 15:42		1

Analytical Method: Dissolved Metals by SW6020A Prep Method: 3010A

Analyst: DEP % Moist: Tech: DEP

Seq Number: 3086125 Date Prep: 04.18.2019 09:25

Subcontractor: SUB: T104704215-19-29 Prep seq: 7676022

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Arsenic	7440-38-2	**0.0151**	0.00400	0.000246	mg/L	04.18.2019 21:55		1
Chromium	7440-47-3	**0.00508**	0.00400	0.000525	mg/L	04.18.2019 21:55		1
Iron	7439-89-6	**0.0318**	0.100	0.0227	mg/L	04.18.2019 21:55	J	1
Manganese	7439-96-5	**0.000585**	0.00200	0.000199	mg/L	04.18.2019 21:55	J	1

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

Analyst: SCM % Moist: Tech: SCM

Seq Number: 3085768 Date Prep:

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	04.12.2019 18:15	U	1

Certificate of Analytical Results
621021
ARCADIS, Midland, TX
Eunice Project- N. Eunice

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

Lab Sample Id: 621021-005 Date Collected: 04.12.2019 10:34 Date Received: 04.12.2019 16:51

Analytical Method: Chloride by EPA 300 Prep Method: E300P

Analyst: CHE % Moist: Tech: CHE

Seq Number: 3086304 Date Prep: 04.18.2019 16:30

Prep seq: 7676094

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Chloride	16887-00-6	**1020**	25.0	4.29	mg/L	04.19.2019 06:08		50

Analytical Method: TDS by SM2540C Prep Method:

Analyst: CHE % Moist: Tech: CHE

Seq Number: 3086275 Date Prep:

Prep seq:

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Total Dissolved Solids	1642222	**5150**	5.00	5.00	mg/L	04.15.2019 15:42		1

Analytical Method: Dissolved Metals by SW6020A Prep Method: 3010A

Analyst: DEP % Moist: Tech: DEP

Seq Number: 3086125 Date Prep: 04.18.2019 09:25

Subcontractor: SUB: T104704215-19-29 Prep seq: 7676022

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Arsenic	7440-38-2	**0.0110**	0.00400	0.000246	mg/L	04.18.2019 21:58		1
Chromium	7440-47-3	**0.00295**	0.00400	0.000525	mg/L	04.18.2019 21:58	J	1
Iron	7439-89-6	<0.0227	0.100	0.0227	mg/L	04.18.2019 21:58	U	1
Manganese	7439-96-5	**0.0126**	0.00200	0.000199	mg/L	04.18.2019 21:58		1

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

Analyst: SCM % Moist: Tech: SCM

Seq Number: 3085768 Date Prep:

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	04.12.2019 18:15	U	1

Certificate of Analytical Results
621021
ARCADIS, Midland, TX
Eunice Project- N. Eunice

Sample Id: **3085768-1-BLK** Matrix: Water Sample Depth:
Lab Sample Id: 3085768-1-BLK Date Collected: Date Received:
Analytical Method: Chromium, Hexavalent by SW 7196A Prep Method:
Analyst: SCM % Moist: Tech: SCM
Seq Number: 3085768 Date Prep:
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	04.12.2019 18:15	U	1

Sample Id: **3086275-1-BLK** Matrix: Water Sample Depth:
Lab Sample Id: 3086275-1-BLK Date Collected: Date Received:
Analytical Method: TDS by SM2540C Prep Method:
Analyst: CHE % Moist: Tech: CHE
Seq Number: 3086275 Date Prep:
Prep seq:

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Total Dissolved Solids	1642222	<5.00	5.00	5.00	mg/L	04.15.2019 15:42	U	1

Sample Id: **7676022-1-BLK** Matrix: Water Sample Depth:
Lab Sample Id: 7676022-1-BLK Date Collected: Date Received:
Analytical Method: Dissolved Metals by SW6020A Prep Method: 3010A
Analyst: DEP % Moist: Tech: DEP
Seq Number: 3086125 Date Prep: 04.18.2019 09:25
Subcontractor: SUB: T104704215-19-29 Prep seq: 7676022

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Arsenic	7440-38-2	<0.000246	0.00400	0.000246	mg/L	04.18.2019 13:54	U	1
Chromium	7440-47-3	<0.000525	0.00400	0.000525	mg/L	04.18.2019 13:54	U	1
Iron	7439-89-6	<0.0227	0.100	0.0227	mg/L	04.18.2019 13:54	U	1
Manganese	7439-96-5	<0.000199	0.00200	0.000199	mg/L	04.18.2019 13:54	U	1

Certificate of Analytical Results
621021

ARCADIS, Midland, TX

Eunice Project- N. Eunice

Sample Id: **7676094-1-BLK** Matrix: Water Sample Depth:

Lab Sample Id: 7676094-1-BLK Date Collected: Date Received:

Analytical Method: Chloride by EPA 300 Prep Method: E300P

Analyst: CHE % Moist: Tech: CHE

Seq Number: 3086304 Date Prep: 04.18.2019 16:30

Prep seq: 7676094

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Chloride	16887-00-6	<0.0858	0.500	0.0858	mg/L	04.19.2019 03:20	U	1

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Chain of Custody

Work Order No: 621022

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:	Brett Krehbiel	Bill to: (if different)	NA
Company Name:	ARCADIS	Company Name:	NA
Address:	1004 N. Big Spring St.	Address:	NA
City, State ZIP:	Midland, TX. 79701	City, State ZIP:	NA
Phone:	916-786-5382	Email:	brett.krehbiel@arcadis.com

Work Order Comments

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

Project Name:	Eunice Project-N. Eunice	Turn Around	
Project Number:	Boo48789	Routine	☑
P.O. Number:	Boo48789	Rush:	
Sampler's Name:	Ryan Nunn	Due Date:	

SAMPLE RECEIPT			
Temp Blank:	Yes (No)	Wet Ice:	(Yes) No
Temperature (°C):	5.1 / 5.0	Thermometer ID	R8
Received Intact:	(Yes) No		
Cooler Custody Seals:	Yes No (N/A)	Correction Factor:	-0.1
Sample Custody Seals:	Yes No (N/A)	Total Containers:	

Sample Identification	Matrix	Date Sampled	Time Sampled	Depth	Number of Containers	BTEX (SW8021)	TPH (SW8015)	Hex Chrome (SW7196A)	Dissolved Metals (SW6020_DIS): Aresenic, Maganese, Iron & Chromium	TDS (SW2540)	Chlorides (E300)
MW062A	W	4-12-19	1000	NA	8	3	2	1	1	1	1
MW063A	W	4-12-19	1040	NA	8	3	2	1	1	1	1
MW024A	W	4-12-19	1110	NA	8	3	2	1	1	1	1
MW099	W	4-12-19	1150	NA	8	3	2	1	1	1	1
MW070	W	4-12-19	1330	NA	8	3	2	1	1	1	1
MW030	W	4-12-19	1355	NA	8	3	2	1	1	1	1
DUP06	W	4-12-19	—	NA	8	3	2	1	1	1	1
MW058	W	4-12-19	1420	NA	8	3	2	1	1	1	1

RV 4-12-19 Same Container

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		4.12.19 1605	2		
3			4		
5			6		

Revised Date 051418 Rev. 2018.1

Received by OCD: 3/25/2020 3:45:40 PM
Final 1.006
Page 22 of 25
Released to Imaging: 6/14/2022 10:44:20 AM

Certificate of Analytical Results
621022
ARCADIS, Midland, TX
Eunice Project- N. Eunice

Sample Id: **MW062A** Matrix: Water Sample Depth:

Lab Sample Id: 621022-001 Date Collected: 04.12.2019 10:00 Date Received: 04.12.2019 16:51

Analytical Method: Chloride by EPA 300 Prep Method: E300P

Analyst: CHE % Moist: Tech: CHE

Seq Number: 3086304 Date Prep: 04.18.2019 16:30

Prep seq: 7676094

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Chloride	16887-00-6	**62.9**	2.50	0.429	mg/L	04.19.2019 06:16		5

Analytical Method: TDS by SM2540C Prep Method:

Analyst: CHE % Moist: Tech: CHE

Seq Number: 3086275 Date Prep:

Prep seq:

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Total Dissolved Solids	1642222	**474**	5.00	5.00	mg/L	04.15.2019 15:42		1

Analytical Method: Dissolved Metals by SW6020A Prep Method: 3010A

Analyst: DEP % Moist: Tech: DEP

Seq Number: 3086125 Date Prep: 04.18.2019 09:25

Subcontractor: SUB: T104704215-19-29 Prep seq: 7676022

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Arsenic	7440-38-2	**0.0249**	0.00400	0.000246	mg/L	04.18.2019 22:01		1
Chromium	7440-47-3	**0.00200**	0.00400	0.000525	mg/L	04.18.2019 22:01	J	1
Iron	7439-89-6	<0.0227	0.100	0.0227	mg/L	04.18.2019 22:01	U	1
Manganese	7439-96-5	<0.000199	0.00200	0.000199	mg/L	04.18.2019 22:01	U	1

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

Analyst: SCM % Moist: Tech: SCM

Seq Number: 3085767 Date Prep:

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	04.12.2019 17:30	U	1

Certificate of Analytical Results
621022

ARCADIS, Midland, TX
Eunice Project- N. Eunice

Sample Id: **MW063A** Matrix: Water Sample Depth:

Lab Sample Id: 621022-002 Date Collected: 04.12.2019 10:40 Date Received: 04.12.2019 16:51

Analytical Method: Chloride by EPA 300 Prep Method: E300P

Analyst: CHE % Moist: Tech: CHE

Seq Number: 3086304 Date Prep: 04.18.2019 16:30

Prep seq: 7676094

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Chloride	16887-00-6	**58.5**	2.50	0.429	mg/L	04.19.2019 06:41		5

Analytical Method: TDS by SM2540C Prep Method:

Analyst: CHE % Moist: Tech: CHE

Seq Number: 3086275 Date Prep:

Prep seq:

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Total Dissolved Solids	1642222	**459**	5.00	5.00	mg/L	04.15.2019 15:42		1

Analytical Method: Dissolved Metals by SW6020A Prep Method: 3010A

Analyst: DEP % Moist: Tech: DEP

Seq Number: 3086125 Date Prep: 04.18.2019 09:25

Subcontractor: SUB: T104704215-19-29 Prep seq: 7676022

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Arsenic	7440-38-2	**0.0244**	0.00400	0.000246	mg/L	04.18.2019 22:04		1
Chromium	7440-47-3	**0.00160**	0.00400	0.000525	mg/L	04.18.2019 22:04	J	1
Iron	7439-89-6	<0.0227	0.100	0.0227	mg/L	04.18.2019 22:04	U	1
Manganese	7439-96-5	**0.000653**	0.00200	0.000199	mg/L	04.18.2019 22:04	J	1

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

Analyst: SCM % Moist: Tech: SCM

Seq Number: 3085767 Date Prep:

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	04.12.2019 17:30	U	1

Certificate of Analytical Results
621022

ARCADIS, Midland, TX
Eunice Project- N. Eunice

Sample Id: **MW024A** Matrix: Water Sample Depth:

Lab Sample Id: 621022-003 Date Collected: 04.12.2019 11:10 Date Received: 04.12.2019 16:51

Analytical Method: Chloride by EPA 300 Prep Method: E300P

Analyst: CHE % Moist: Tech: CHE

Seq Number: 3086304 Date Prep: 04.18.2019 16:30

Prep seq: 7676094

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Chloride	16887-00-6	**997**	10.0	1.72	mg/L	04.19.2019 06:50		20

Analytical Method: TDS by SM2540C Prep Method:

Analyst: CHE % Moist: Tech: CHE

Seq Number: 3086275 Date Prep:

Prep seq:

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Total Dissolved Solids	1642222	**2140**	5.00	5.00	mg/L	04.15.2019 15:42		1

Analytical Method: Dissolved Metals by SW6020A Prep Method: 3010A

Analyst: DEP % Moist: Tech: DEP

Seq Number: 3086125 Date Prep: 04.18.2019 09:25

Subcontractor: SUB: T104704215-19-29 Prep seq: 7676022

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Arsenic	7440-38-2	**0.0119**	0.00400	0.000246	mg/L	04.18.2019 22:07		1
Chromium	7440-47-3	**0.500**	0.00400	0.000525	mg/L	04.18.2019 22:07		1
Iron	7439-89-6	<0.0227	0.100	0.0227	mg/L	04.18.2019 22:07	U	1
Manganese	7439-96-5	<0.000199	0.00200	0.000199	mg/L	04.18.2019 22:07	U	1

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

Analyst: SCM % Moist: Tech: SCM

Seq Number: 3085767 Date Prep:

Prep seq:

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Chromium, Hexavalent	18540-29-9	**0.474**	0.0100	0.00273	mg/L	04.12.2019 17:30		1

Certificate of Analytical Results
621022

ARCADIS, Midland, TX
Eunice Project- N. Eunice

Sample Id: **MW099** Matrix: Water Sample Depth:

Lab Sample Id: 621022-004 Date Collected: 04.12.2019 11:50 Date Received: 04.12.2019 16:51

Analytical Method: Chloride by EPA 300 Prep Method: E300P

Analyst: CHE % Moist: Tech: CHE

Seq Number: 3086304 Date Prep: 04.18.2019 16:30

Prep seq: 7676094

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Chloride	16887-00-6	**72.8**	2.50	0.429	mg/L	04.19.2019 06:58		5

Analytical Method: TDS by SM2540C Prep Method:

Analyst: CHE % Moist: Tech: CHE

Seq Number: 3086275 Date Prep:

Prep seq:

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Total Dissolved Solids	1642222	**453**	5.00	5.00	mg/L	04.15.2019 15:42		1

Analytical Method: Dissolved Metals by SW6020A Prep Method: 3010A

Analyst: DEP % Moist: Tech: DEP

Seq Number: 3086125 Date Prep: 04.18.2019 09:25

Subcontractor: SUB: T104704215-19-29 Prep seq: 7676022

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Arsenic	7440-38-2	**0.00744**	0.00400	0.000246	mg/L	04.18.2019 22:10		1
Chromium	7440-47-3	<0.000525	0.00400	0.000525	mg/L	04.18.2019 22:10	U	1
Iron	7439-89-6	**0.0423**	0.100	0.0227	mg/L	04.18.2019 22:10	J	1
Manganese	7439-96-5	**0.180**	0.00200	0.000199	mg/L	04.18.2019 22:10		1

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

Analyst: SCM % Moist: Tech: SCM

Seq Number: 3085767 Date Prep:

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	04.12.2019 17:30	U	1

Certificate of Analytical Results
621022

ARCADIS, Midland, TX
Eunice Project- N. Eunice

Sample Id: **MW070** Matrix: Water Sample Depth:

Lab Sample Id: 621022-005 Date Collected: 04.12.2019 13:30 Date Received: 04.12.2019 16:51

Analytical Method: Chloride by EPA 300 Prep Method: E300P

Analyst: CHE % Moist: Tech: CHE

Seq Number: 3086304 Date Prep: 04.18.2019 16:30

Prep seq: 7676094

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Chloride	16887-00-6	**444**	5.00	0.858	mg/L	04.19.2019 07:06		10

Analytical Method: TDS by SM2540C Prep Method:

Analyst: CHE % Moist: Tech: CHE

Seq Number: 3086275 Date Prep:

Prep seq:

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Total Dissolved Solids	1642222	**1130**	5.00	5.00	mg/L	04.15.2019 15:42		1

Analytical Method: Dissolved Metals by SW6020A Prep Method: 3010A

Analyst: DEP % Moist: Tech: DEP

Seq Number: 3086125 Date Prep: 04.18.2019 09:25

Subcontractor: SUB: T104704215-19-29 Prep seq: 7676022

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Arsenic	7440-38-2	**0.0141**	0.00400	0.000246	mg/L	04.18.2019 22:13		1
Chromium	7440-47-3	<0.000525	0.00400	0.000525	mg/L	04.18.2019 22:13	U	1
Iron	7439-89-6	**0.0443**	0.100	0.0227	mg/L	04.18.2019 22:13	J	1
Manganese	7439-96-5	**0.000935**	0.00200	0.000199	mg/L	04.18.2019 22:13	J	1

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

Analyst: SCM % Moist: Tech: SCM

Seq Number: 3085767 Date Prep:

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	04.12.2019 17:30	U	1

Certificate of Analytical Results
621022

ARCADIS, Midland, TX
Eunice Project- N. Eunice

Sample Id: **MW030** Matrix: Water Sample Depth:

Lab Sample Id: 621022-006 Date Collected: 04.12.2019 13:55 Date Received: 04.12.2019 16:51

Analytical Method: Chloride by EPA 300 Prep Method: E300P

Analyst: CHE % Moist: Tech: CHE

Seq Number: 3086304 Date Prep: 04.18.2019 16:30

Prep seq: 7676094

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Chloride	16887-00-6	**220**	2.50	0.429	mg/L	04.19.2019 07:15		5

Analytical Method: TDS by SM2540C Prep Method:

Analyst: CHE % Moist: Tech: CHE

Seq Number: 3086275 Date Prep:

Prep seq:

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Total Dissolved Solids	1642222	**694**	5.00	5.00	mg/L	04.15.2019 15:42		1

Analytical Method: Dissolved Metals by SW6020A Prep Method: 3010A

Analyst: DEP % Moist: Tech: DEP

Seq Number: 3086125 Date Prep: 04.18.2019 09:25

Subcontractor: SUB: T104704215-19-29 Prep seq: 7676022

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Arsenic	7440-38-2	**0.0197**	0.00400	0.000246	mg/L	04.18.2019 22:16		1
Chromium	7440-47-3	**0.00126**	0.00400	0.000525	mg/L	04.18.2019 22:16	J	1
Iron	7439-89-6	<0.0227	0.100	0.0227	mg/L	04.18.2019 22:16	U	1
Manganese	7439-96-5	**0.000594**	0.00200	0.000199	mg/L	04.18.2019 22:16	J	1

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

Analyst: SCM % Moist: Tech: SCM

Seq Number: 3085767 Date Prep:

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	04.12.2019 17:30	U	1

Certificate of Analytical Results
621022

ARCADIS, Midland, TX
Eunice Project- N. Eunice

Sample Id: **DUP06** Matrix: Water Sample Depth:

Lab Sample Id: 621022-007 Date Collected: 04.12.2019 00:00 Date Received: 04.12.2019 16:51

Analytical Method: Chloride by EPA 300 Prep Method: E300P

Analyst: CHE % Moist: Tech: CHE

Seq Number: 3086304 Date Prep: 04.18.2019 16:30

Prep seq: 7676094

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Chloride	16887-00-6	**1040**	5.00	0.858	mg/L	04.19.2019 13:36		10

Analytical Method: TDS by SM2540C Prep Method:

Analyst: CHE % Moist: Tech: CHE

Seq Number: 3086275 Date Prep:

Prep seq:

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Total Dissolved Solids	1642222	**3900**	5.00	5.00	mg/L	04.15.2019 15:42		1

Analytical Method: Dissolved Metals by SW6020A Prep Method: 3010A

Analyst: DEP % Moist: Tech: DEP

Seq Number: 3086125 Date Prep: 04.18.2019 09:25

Subcontractor: SUB: T104704215-19-29 Prep seq: 7676022

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Arsenic	7440-38-2	**0.0130**	0.00400	0.000246	mg/L	04.18.2019 22:24		1
Chromium	7440-47-3	**3.25**	0.200	0.0262	mg/L	04.19.2019 12:27	~~D~~	50
Iron	7439-89-6	<0.0227	0.100	0.0227	mg/L	04.18.2019 22:24	U	1
Manganese	7439-96-5	<0.000199	0.00200	0.000199	mg/L	04.18.2019 22:24	U	1

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

Analyst: SCM % Moist: Tech: SCM

Seq Number: 3085767 Date Prep:

Prep seq:

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Chromium, Hexavalent	18540-29-9	**2.90**	0.200	0.0545	mg/L	04.12.2019 17:30		20

Certificate of Analytical Results
621022
ARCADIS, Midland, TX
Eunice Project- N. Eunice

Sample Id: **MW058** Matrix: Water Sample Depth:

Lab Sample Id: 621022-008 Date Collected: 04.12.2019 14:20 Date Received: 04.12.2019 16:51

Analytical Method: Chloride by EPA 300 Prep Method: E300P

Analyst: CHE % Moist: Tech: CHE

Seq Number: 3086304 Date Prep: 04.18.2019 16:30

Prep seq: 7676094

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Chloride	16887-00-6	**1150**	5.00	0.858	mg/L	04.19.2019 13:44		10

Analytical Method: TDS by SM2540C Prep Method:

Analyst: CHE % Moist: Tech: CHE

Seq Number: 3086275 Date Prep:

Prep seq:

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Total Dissolved Solids	1642222	**4180**	5.00	5.00	mg/L	04.15.2019 15:42		1

Analytical Method: Dissolved Metals by SW6020A Prep Method: 3010A

Analyst: DEP % Moist: Tech: DEP

Seq Number: 3086125 Date Prep: 04.18.2019 09:25

Subcontractor: SUB: T104704215-19-29 Prep seq: 7676022

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Arsenic	7440-38-2	**0.0127**	0.00400	0.000246	mg/L	04.18.2019 22:27		1
Chromium	7440-47-3	**3.16**	0.200	0.0262	mg/L	04.19.2019 16:46	~~D~~	50
Iron	7439-89-6	<0.0227	0.100	0.0227	mg/L	04.18.2019 22:27	U	1
Manganese	7439-96-5	<0.000199	0.00200	0.000199	mg/L	04.18.2019 22:27	U	1

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

Analyst: SCM % Moist: Tech: SCM

Seq Number: 3085767 Date Prep:

Prep seq:

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Chromium, Hexavalent	18540-29-9	**2.74**	0.200	0.0545	mg/L	04.12.2019 17:30		20

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Chain of Custody

Work Order No: 621177

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:	Brett Krehbiel	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:	916-786-5382	Email:	brett.krehbiel@arcadis.com

Work Order Comments

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

Project Name:	Eunice Project-N. Eunice	Turn Around	
Project Number:	30048789	Routine ☑	
P.O. Number:	30048789	Rush:	
Sampler's Name:	Jerry S. Longwell	Due Date:	

SAMPLE RECEIPT			
Temp Blank:	Yes (No)	Wet Ice:	(Yes) No
Temperature (°C):	0-3/0.2	Thermometer ID:	
Received Intact:	(Yes) No		
Cooler Custody Seals:	Yes (No) N/A	Correction Factor:	-0.1
Sample Custody Seals:	Yes (No) N/A	Total Containers:	

Sample Identification	Matrix	Date Sampled	Time Sampled	Depth	Number of Containers	BTEX (SW8021)	TPH (SW8015)	Hex Chrome (SW7196A)	Dissolved Metals (SW6020_DIS): Aresenic, Maganese, Iron & Chromium	TDS (SW2540)	Chlorides (E300)
MW0575A	W	04/15/19	0824		3			✓	✓	✓	✓
MW0493	W	04/15/19	0853		8	✓	✓	✓	✓	✓	✓
MW0505A	W	04/15/19	0826		3			✓	✓	✓	✓
MW0515A	W	04/15/19	0924		3			✓	✓	✓	✓
~~MW0551A~~ MW0785A	W	04/15/19	0949		3			✓	✓	✓	✓
TW008	W	04/15/19	1001		3			✓	✓	✓	✓

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 04/15/19	4/15/19	4/15/19	2 4/15/19		4/15/19 1657
3			4		
5			6		

Revised Date 051418 Rev. 2018.1

Received by OCD: 3/25/2020 3:45:40 PM
Final 1.005
Page 25 of 28
Released to Imaging: 6/14/2022 10:44:20 AM

Certificate of Analytical Results
621177
ARCADIS, Midland, TX
Eunice Project- N. Eunice

Sample Id: **MW057SA** Matrix: Water Sample Depth:

Lab Sample Id: 621177-001 Date Collected: 04.15.2019 08:24 Date Received: 04.15.2019 16:57

Analytical Method: Chloride by EPA 300 Prep Method: E300P

Analyst: CHE % Moist: Tech: CHE

Seq Number: 3086447 Date Prep: 04.19.2019 10:45

Prep seq: 7676194

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Chloride	16887-00-6	**357**	5.00	0.858	mg/L	04.19.2019 13:37		10

Analytical Method: TDS by SM2540C Prep Method:

Analyst: SPC % Moist: Tech: SPC

Seq Number: 3086376 Date Prep:

Prep seq:

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Total Dissolved Solids	1642222	**1500**	5.00	5.00	mg/L	04.19.2019 15:00		1

Analytical Method: Dissolved Metals by SW6020A Prep Method: 3010A

Analyst: DEP % Moist: Tech: DEP

Seq Number: 3086125 Date Prep: 04.18.2019 09:25

Subcontractor: SUB: T104704215-19-29 Prep seq: 7676022

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Arsenic	7440-38-2	**0.0124**	0.00400	0.000246	mg/L	04.18.2019 22:30		1
Iron	7439-89-6	**0.0850**	0.100	0.0227	mg/L	04.18.2019 22:30	J	1
Manganese	7439-96-5	**0.00340**	0.00200	0.000199	mg/L	04.18.2019 22:30		1
Chromium	7440-47-3	**0.0385**	0.00400	0.000525	mg/L	04.18.2019 22:30		1

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

Analyst: SPC % Moist: Tech: SPC

Seq Number: 3086366 Date Prep:

Prep seq:

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Chromium, Hexavalent	18540-29-9	**0.0343**	0.0100	0.00273	mg/L	04.16.2019 08:00		1

Certificate of Analytical Results
621177
ARCADIS, Midland, TX
Eunice Project- N. Eunice

Sample Id: **MW043** Matrix: Water Sample Depth:

Lab Sample Id: 621177-002 Date Collected: 04.15.2019 08:53 Date Received: 04.15.2019 16:57

Analytical Method: Chloride by EPA 300 Prep Method: E300P

Analyst: CHE % Moist: Tech: CHE

Seq Number: 3086447 Date Prep: 04.19.2019 10:45

Prep seq: 7676194

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Chloride	16887-00-6	**843**	10.0	1.72	mg/L	04.19.2019 13:57		20

Analytical Method: TDS by SM2540C Prep Method:

Analyst: SPC % Moist: Tech: SPC

Seq Number: 3086376 Date Prep:

Prep seq:

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Total Dissolved Solids	1642222	**1840**	5.00	5.00	mg/L	04.19.2019 15:00		1

Analytical Method: Dissolved Metals by SW6020A Prep Method: 3010A

Analyst: DEP % Moist: Tech: DEP

Seq Number: 3086125 Date Prep: 04.18.2019 09:25

Subcontractor: SUB: T104704215-19-29 Prep seq: 7676022

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Arsenic	7440-38-2	**0.00504**	0.00400	0.000246	mg/L	04.18.2019 22:33		1
Iron	7439-89-6	**0.593**	0.100	0.0227	mg/L	04.18.2019 22:33		1
Manganese	7439-96-5	**0.573**	0.00200	0.000199	mg/L	04.18.2019 22:33		1
Chromium	7440-47-3	**0.000894**	0.00400	0.000525	mg/L	04.18.2019 22:33	J	1

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

Analyst: SPC % Moist: Tech: SPC

Seq Number: 3086366 Date Prep:

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	04.16.2019 08:00	U	1

Certificate of Analytical Results
621177
ARCADIS, Midland, TX
Eunice Project- N. Eunice

Sample Id: **MW043** Matrix: Water Sample Depth:

Lab Sample Id: 621177-002 Date Collected: 04.15.2019 08:53 Date Received: 04.15.2019 16:57

Analytical Method: TPH By SW8015 Mod Prep Method: 1005

Analyst: ARM % Moist: Tech: ARM

Seq Number: 3087222 Date Prep: 04.27.2019 08:00

Prep seq: 7676726

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Gasoline Range Hydrocarbons	PHC610	<0.986	1.50	0.986	mg/L	04.27.2019 10:12	U	1
Diesel Range Organics	C10C28DRO	<0.911	1.50	0.911	mg/L	04.27.2019 10:12	U	1
Oil Range Hydrocarbons	PHCG2835	<0.911	1.50	0.911	mg/L	04.27.2019 10:12	U	1
Total TPH	PHC635	<0.911	1.50	0.911	mg/L	04.27.2019 10:12	U	1

Surrogate	% Recovery	Limits	Units	Analysis Date	Flag
1-Chlorooctane	100	70 - 135	%		
o-Terphenyl	102	70 - 135	%		

Analytical Method: BTEX by EPA 8021B Prep Method: 5030B

Analyst: SCM % Moist: Tech: SCM

Seq Number: 3086156 Date Prep: 04.17.2019 16:00

Prep seq: 7676070

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Benzene	71-43-2	<0.000408	0.00200	0.000408	mg/L	04.18.2019 06:32	U	1
Toluene	108-88-3	<0.000367	0.00200	0.000367	mg/L	04.18.2019 06:32	U	1
Ethylbenzene	100-41-4	<0.000657	0.00200	0.000657	mg/L	04.18.2019 06:32	U	1
m,p-Xylenes	179601-23-1	**0.00131**	0.00400	0.000630	mg/L	04.18.2019 06:32	J	1
o-Xylene	95-47-6	**0.00103**	0.00200	0.000642	mg/L	04.18.2019 06:32	J	1
Total Xylenes	1330-20-7	**0.00234**	0.00200	0.000630	mg/L	04.18.2019 06:32		1
Total BTEX		**0.00234**	0.00200	0.000367	mg/L	04.18.2019 06:32		1

Surrogate	% Recovery	Limits	Units	Analysis Date	Flag
1,4-Difluorobenzene	105	70 - 130	%		
4-Bromofluorobenzene	103	70 - 130	%		

Certificate of Analytical Results
621177
ARCADIS, Midland, TX
Eunice Project- N. Eunice

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

Lab Sample Id: 621177-003 Date Collected: 04.15.2019 09:06 Date Received: 04.15.2019 16:57

Analytical Method: Chloride by EPA 300 Prep Method: E300P

Analyst: CHE % Moist: Tech: CHE

Seq Number: 3086447 Date Prep: 04.19.2019 10:45

Prep seq: 7676194

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Chloride	16887-00-6	**1420**	25.0	4.29	mg/L	04.19.2019 14:03		50

Analytical Method: TDS by SM2540C Prep Method:

Analyst: SPC % Moist: Tech: SPC

Seq Number: 3086376 Date Prep:

Prep seq:

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Total Dissolved Solids	1642222	**3500**	5.00	5.00	mg/L	04.19.2019 15:00		1

Analytical Method: Dissolved Metals by SW6020A Prep Method: 3010A

Analyst: DEP % Moist: Tech: DEP

Seq Number: 3086125 Date Prep: 04.18.2019 09:25

Subcontractor: SUB: T104704215-19-29 Prep seq: 7676022

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Arsenic	7440-38-2	**0.00854**	0.00400	0.000246	mg/L	04.18.2019 22:36		1
Iron	7439-89-6	<0.0227	0.100	0.0227	mg/L	04.18.2019 22:36	U	1
Manganese	7439-96-5	**0.0191**	0.00200	0.000199	mg/L	04.18.2019 22:36		1
Chromium	7440-47-3	**0.329**	0.00400	0.000525	mg/L	04.18.2019 22:36		1

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

Analyst: SPC % Moist: Tech: SPC

Seq Number: 3086366 Date Prep:

Prep seq:

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Chromium, Hexavalent	18540-29-9	**0.290**	0.0100	0.00273	mg/L	04.16.2019 08:00		1

Certificate of Analytical Results
621177
ARCADIS, Midland, TX
Eunice Project- N. Eunice

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

Lab Sample Id: 621177-004 Date Collected: 04.15.2019 09:24 Date Received: 04.15.2019 16:57

Analytical Method: Chloride by EPA 300 Prep Method: E300P

Analyst: CHE % Moist: Tech: CHE

Seq Number: 3086447 Date Prep: 04.19.2019 10:45

Prep seq: 7676194

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Chloride	16887-00-6	**1220**	25.0	4.29	mg/L	04.19.2019 14:10		50

Analytical Method: TDS by SM2540C Prep Method:

Analyst: SPC % Moist: Tech: SPC

Seq Number: 3086376 Date Prep:

Prep seq:

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Total Dissolved Solids	1642222	**3160**	5.00	5.00	mg/L	04.19.2019 15:00		1

Analytical Method: Dissolved Metals by SW6020A Prep Method: 3010A

Analyst: DEP % Moist: Tech: DEP

Seq Number: 3086125 Date Prep: 04.18.2019 09:25

Subcontractor: SUB: T104704215-19-29 Prep seq: 7676022

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Arsenic	7440-38-2	**0.0126**	0.00400	0.000246	mg/L	04.18.2019 22:39		1
Iron	7439-89-6	<0.0227	0.100	0.0227	mg/L	04.18.2019 22:39	U	1
Manganese	7439-96-5	**0.00822**	0.00200	0.000199	mg/L	04.18.2019 22:39		1
Chromium	7440-47-3	**0.779**	0.00400	0.000525	mg/L	04.18.2019 22:39		1

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

Analyst: SPC % Moist: Tech: SPC

Seq Number: 3086366 Date Prep:

Prep seq:

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Chromium, Hexavalent	18540-29-9	**0.733**	0.0500	0.0136	mg/L	04.16.2019 08:00		5

Certificate of Analytical Results
621177
ARCADIS, Midland, TX
Eunice Project- N. Eunice

Sample Id: **MW079SA** Matrix: Water Sample Depth:

Lab Sample Id: 621177-005 Date Collected: 04.15.2019 09:49 Date Received: 04.15.2019 16:57

Analytical Method: Chloride by EPA 300 Prep Method: E300P

Analyst: CHE % Moist: Tech: CHE

Seq Number: 3086447 Date Prep: 04.19.2019 10:45

Prep seq: 7676194

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Chloride	16887-00-6	**271**	5.00	0.858	mg/L	04.19.2019 14:36		10

Analytical Method: TDS by SM2540C Prep Method:

Analyst: SPC % Moist: Tech: SPC

Seq Number: 3086376 Date Prep:

Prep seq:

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Total Dissolved Solids	1642222	**1140**	5.00	5.00	mg/L	04.19.2019 15:00		1

Analytical Method: Dissolved Metals by SW6020A Prep Method: 3010A

Analyst: DEP % Moist: Tech: DEP

Seq Number: 3086125 Date Prep: 04.18.2019 09:25

Subcontractor: SUB: T104704215-19-29 Prep seq: 7676022

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Arsenic	7440-38-2	**0.00583**	0.00400	0.000246	mg/L	04.18.2019 22:42		1
Iron	7439-89-6	**0.581**	0.100	0.0227	mg/L	04.18.2019 22:42		1
Manganese	7439-96-5	**0.0511**	0.00200	0.000199	mg/L	04.18.2019 22:42		1
Chromium	7440-47-3	**0.00103**	0.00400	0.000525	mg/L	04.18.2019 22:42	J	1

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

Analyst: SPC % Moist: Tech: SPC

Seq Number: 3086366 Date Prep:

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	04.16.2019 08:00	U	1

Certificate of Analytical Results
621177
ARCADIS, Midland, TX
Eunice Project- N. Eunice

Sample Id: **IW003** Matrix: Water Sample Depth:

Lab Sample Id: 621177-006 Date Collected: 04.15.2019 10:01 Date Received: 04.15.2019 16:57

Analytical Method: Chloride by EPA 300 Prep Method: E300P

Analyst: CHE % Moist: Tech: CHE

Seq Number: 3086447 Date Prep: 04.19.2019 10:45

Prep seq: 7676194

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Chloride	16887-00-6	**1130**	10.0	1.72	mg/L	04.19.2019 15:32		20

Analytical Method: TDS by SM2540C Prep Method:

Analyst: SPC % Moist: Tech: SPC

Seq Number: 3086376 Date Prep:

Prep seq:

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Total Dissolved Solids	1642222	**2410**	5.00	5.00	mg/L	04.19.2019 15:00		1

Analytical Method: Dissolved Metals by SW6020A Prep Method: 3010A

Analyst: DEP % Moist: Tech: DEP

Seq Number: 3086125 Date Prep: 04.18.2019 09:25

Subcontractor: SUB: T104704215-19-29 Prep seq: 7676022

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Arsenic	7440-38-2	**0.0157**	0.00400	0.000246	mg/L	04.18.2019 22:45		1
Iron	7439-89-6	**5.02**	0.100	0.0227	mg/L	04.18.2019 22:45		1
Manganese	7439-96-5	**3.74**	0.0400	0.00397	mg/L	05.02.2019 14:58	~~D~~	20
Chromium	7440-47-3	**0.00880**	0.00400	0.000525	mg/L	04.18.2019 22:45		1

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

Analyst: SPC % Moist: Tech: SPC

Seq Number: 3086366 Date Prep:

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	04.16.2019 08:00	U	1

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Chain of Custody

XENCO LABORATORIES

Houston,TX (281) 240-4200 Dallas,TX (214) 902-0300 San Antonio,TX (210) 509-3334
Midland,TX (432) 704-5440 EL Paso,TX (915) 585-3443 Lubbock,TX (806) 794-1296 Craslbad, NM (432) 704-5440
Phoenix,AZ (480) 355-0900 Atlanta,GA (770) 449-8800 Tampa,FL (813) 620-2000 West Palm Beach, FL (561) 689-6701

Work Order No: 621180

www.xenco.com Page 1 of 1

Project Manager:	Brett Krahbiel	Bill to: (if different)	NA
Company Name:	Arcadis	Company Name:	NA
Address:	1004 N. Big Spring St.	Address:	NA
City, State ZIP:	Midland, TX 79701	City, State ZIP:	NA
Phone:	916-786-5382	Email:	brett.krahbiel@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:	80048789	Routine ☑	
Project Location	80048789	Rush:	
Sampler's Name:	Ryan Manny	Due Date:	
PO #:		Quote #:	

SAMPLE RECEIPT	Temp Blank: Yes No	Wet Ice: Yes No	
Temperature (°C):	7.6 °C	Thermometer ID	
Received Intact:	Yes No		
Cooler Custody Seals:	Yes No N/A	Correction Factor:	
Sample Custody Seals:	Yes No N/A	Total Containers:	

ANALYSIS REQUEST

Preservative Codes

MeOH: Me
None: NO
HNO3: HN
H2S04: H2
HCL: HL
NaOH: Na
Zn Acetate+ NaOH: Zn

TAT starts the day recevied by the lab, if received by 4:00pm

Lab ID	Sample Identification	Matrix	Date Sampled	Time Sampled	Depth	Number of Containers	Pres. Code	Hex Chrome (SW 7196A)	Dissolved Metals (6020: Dissolved Arsenic, Magnesium, Potassium)	TDS (SW 2540), Chloride (E300)	Sample Comments
	MW023	W	4-15-19	1410	NA	3		1	1	1	
	MW059	W	4-15-19	1430	NA	3		1	1	1	
	MW031	W	4-15-19	1450	NA	3		1	1	1	
	MW069	W	4-15-19	1515	NA	3		1	1	1	
	MW068	W	4-15-19	1537	NA	3		1	1	1	

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			4/15/19 1730	2			
3				4			
5				6			

Revised Date 022619 Rev. 2019.1

Received by OCD: 3/25/2020 3:45:40 PM
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Final 1.002
Released to Imaging: 6/14/2022 10:44:20 AM

Certificate of Analytical Results
621180
ARCADIS, Midland, TX
Eunice Project- N. Eunice

Sample Id: **MW023** Matrix: Water Sample Depth:

Lab Sample Id: 621180-001 Date Collected: 04.15.2019 14:10 Date Received: 04.15.2019 17:30

Analytical Method: Chloride by EPA 300 Prep Method: E300P

Analyst: CHE % Moist: Tech: CHE

Seq Number: 3086447 Date Prep: 04.19.2019 10:45

Prep seq: 7676194

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Chloride	16887-00-6	**860**	25.0	4.29	mg/L	04.19.2019 14:43		50

Analytical Method: TDS by SM2540C Prep Method:

Analyst: SPC % Moist: Tech: SPC

Seq Number: 3086376 Date Prep:

Prep seq:

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Total Dissolved Solids	1642222	**3150**	5.00	5.00	mg/L	04.19.2019 15:00		1

Analytical Method: Dissolved Metals by SW6020A Prep Method: 3010A

Analyst: DEP % Moist: Tech: DEP

Seq Number: 3086431 Date Prep: 04.19.2019 08:10

Subcontractor: SUB: T104704215-19-29 Prep seq: 7676123

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Arsenic	7440-38-2	**0.00878**	0.00400	0.000246	mg/L	04.19.2019 21:10		1
Iron	7439-89-6	**0.0352**	0.100	0.0227	mg/L	04.19.2019 21:10	J	1
Manganese	7439-96-5	**0.00488**	0.00200	0.000199	mg/L	04.19.2019 21:10		1
Chromium	7440-47-3	**2.22**	0.0800	0.0105	mg/L	04.22.2019 13:37	~~D~~	20

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

Analyst: SPC % Moist: Tech: SPC

Seq Number: 3086368 Date Prep:

Prep seq:

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Chromium, Hexavalent	18540-29-9	**2.07**	0.100	0.0273	mg/L	04.16.2019 08:00		10

Certificate of Analytical Results
621180
ARCADIS, Midland, TX
Eunice Project- N. Eunice

Sample Id: **MW059** Matrix: Water Sample Depth:

Lab Sample Id: 621180-002 Date Collected: 04.15.2019 14:30 Date Received: 04.15.2019 17:30

Analytical Method: Chloride by EPA 300 Prep Method: E300P

Analyst: CHE % Moist: Tech: CHE

Seq Number: 3086447 Date Prep: 04.19.2019 10:45

Prep seq: 7676194

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Chloride	16887-00-6	**891**	10.0	1.72	mg/L	04.19.2019 14:49		20

Analytical Method: TDS by SM2540C Prep Method:

Analyst: SPC % Moist: Tech: SPC

Seq Number: 3086376 Date Prep:

Prep seq:

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Total Dissolved Solids	1642222	**2950**	5.00	5.00	mg/L	04.19.2019 15:00		1

Analytical Method: Dissolved Metals by SW6020A Prep Method: 3010A

Analyst: DEP % Moist: Tech: DEP

Seq Number: 3086431 Date Prep: 04.19.2019 08:10

Subcontractor: SUB: T104704215-19-29 Prep seq: 7676123

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Arsenic	7440-38-2	**0.0148**	0.00400	0.000246	mg/L	04.19.2019 21:12		1
Iron	7439-89-6	<0.0227	0.100	0.0227	mg/L	04.19.2019 21:12	U	1
Manganese	7439-96-5	**0.00107**	0.00200	0.000199	mg/L	04.19.2019 21:12	J	1
Chromium	7440-47-3	**0.460**	0.00400	0.000525	mg/L	04.30.2019 20:56		1

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

Analyst: SPC % Moist: Tech: SPC

Seq Number: 3086368 Date Prep:

Prep seq:

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Chromium, Hexavalent	18540-29-9	**0.401**	0.0100	0.00273	mg/L	04.16.2019 08:00		1

Certificate of Analytical Results
621180
ARCADIS, Midland, TX
Eunice Project- N. Eunice

Sample Id: **MW031** Matrix: Water Sample Depth:

Lab Sample Id: 621180-003 Date Collected: 04.15.2019 14:50 Date Received: 04.15.2019 17:30

Analytical Method: Chloride by EPA 300 Prep Method: E300P

Analyst: CHE % Moist: Tech: CHE

Seq Number: 3086447 Date Prep: 04.19.2019 10:45

Prep seq: 7676194

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Chloride	16887-00-6	**263**	2.50	0.429	mg/L	04.19.2019 14:56		5

Analytical Method: TDS by SM2540C Prep Method:

Analyst: SPC % Moist: Tech: SPC

Seq Number: 3086376 Date Prep:

Prep seq:

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Total Dissolved Solids	1642222	**874**	5.00	5.00	mg/L	04.19.2019 15:00		1

Analytical Method: Dissolved Metals by SW6020A Prep Method: 3010A

Analyst: DEP % Moist: Tech: DEP

Seq Number: 3086431 Date Prep: 04.19.2019 08:10

Subcontractor: SUB: T104704215-19-29 Prep seq: 7676123

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Arsenic	7440-38-2	**0.0847**	0.00400	0.000246	mg/L	04.19.2019 21:15		1
Iron	7439-89-6	**3.36**	0.100	0.0227	mg/L	04.19.2019 21:15		1
Manganese	7439-96-5	**0.866**	0.00200	0.000199	mg/L	04.19.2019 21:15		1
Chromium	7440-47-3	<0.000525	0.00400	0.000525	mg/L	04.19.2019 21:15	U	1

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

Analyst: SPC % Moist: Tech: SPC

Seq Number: 3086368 Date Prep:

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	04.16.2019 08:00	U	1

Certificate of Analytical Results
621180
ARCADIS, Midland, TX
Eunice Project- N. Eunice

Sample Id: **MW069** Matrix: Water Sample Depth:

Lab Sample Id: 621180-004 Date Collected: 04.15.2019 15:15 Date Received: 04.15.2019 17:30

Analytical Method: Chloride by EPA 300 Prep Method: E300P

Analyst: CHE % Moist: Tech: CHE

Seq Number: 3086447 Date Prep: 04.19.2019 10:45

Prep seq: 7676194

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Chloride	16887-00-6	**9650**	50.0	8.58	mg/L	04.22.2019 10:12		100

Analytical Method: TDS by SM2540C Prep Method:

Analyst: SPC % Moist: Tech: SPC

Seq Number: 3086376 Date Prep:

Prep seq:

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Total Dissolved Solids	1642222	**14800**	5.00	5.00	mg/L	04.19.2019 15:00		1

Analytical Method: Dissolved Metals by SW6020A Prep Method: 3010A

Analyst: DEP % Moist: Tech: DEP

Seq Number: 3086431 Date Prep: 04.19.2019 08:10

Subcontractor: SUB: T104704215-19-29 Prep seq: 7676123

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Arsenic	7440-38-2	**0.0113**	0.0200	0.00123	mg/L	04.22.2019 13:11	J~~D~~	5
Iron	7439-89-6	<0.114	0.500	0.114	mg/L	04.22.2019 13:11	U~~D~~	5
Manganese	7439-96-5	**0.0902**	0.0100	0.000993	mg/L	04.22.2019 13:11	~~D~~	5
Chromium	7440-47-3	<0.00262	0.0200	0.00262	mg/L	04.22.2019 13:11	U~~D~~	5

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

Analyst: SPC % Moist: Tech: SPC

Seq Number: 3086368 Date Prep:

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	04.16.2019 08:00	U	1

Certificate of Analytical Results
621180

ARCADIS, Midland, TX

Eunice Project- N. Eunice

Sample Id: **MW068** Matrix: Water Sample Depth:

Lab Sample Id: 621180-005 Date Collected: 04.15.2019 15:37 Date Received: 04.15.2019 17:30

Analytical Method: Chloride by EPA 300 Prep Method: E300P

Analyst: CHE % Moist: Tech: CHE

Seq Number: 3086447 Date Prep: 04.19.2019 10:45

Prep seq: 7676194

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Chloride	16887-00-6	**7100**	25.0	4.29	mg/L	04.19.2019 15:25		50

Analytical Method: TDS by SM2540C Prep Method:

Analyst: SPC % Moist: Tech: SPC

Seq Number: 3086376 Date Prep:

Prep seq:

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Total Dissolved Solids	1642222	**10500**	5.00	5.00	mg/L	04.19.2019 15:00		1

Analytical Method: Dissolved Metals by SW6020A Prep Method: 3010A

Analyst: DEP % Moist: Tech: DEP

Seq Number: 3086431 Date Prep: 04.19.2019 08:10

Subcontractor: SUB: T104704215-19-29 Prep seq: 7676123

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Arsenic	7440-38-2	**0.0180**	0.0200	0.00123	mg/L	04.22.2019 13:14	J~~D~~	5
Iron	7439-89-6	**1.66**	0.500	0.114	mg/L	04.22.2019 13:14	~~D~~	5
Manganese	7439-96-5	**2.87**	0.0100	0.000993	mg/L	04.22.2019 13:14	~~D~~	5
Chromium	7440-47-3	<0.00262	0.0200	0.00262	mg/L	04.22.2019 13:14	U~~D~~	5

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

Analyst: SPC % Moist: Tech: SPC

Seq Number: 3086368 Date Prep:

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	04.16.2019 08:00	U	1

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Chain of Custody

Work Order No: 621298

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:	Brett Krehbiel	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:	916-786-5382	Email:	brett.krehbiel@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:		Routine ☒	
P.O. Number:		Rush:	
Sampler's Name:	Chas Holder	Due Date:	

SAMPLE RECEIPT			
Temp Blank:	Yes (No)	Wet Ice:	(Yes) No
Temperature (°C):	2.3/2.2	Thermometer ID	R8
Received Intact:	(Yes) No		
Cooler Custody Seals:	Yes No (N/A)	Correction Factor:	-0.1
Sample Custody Seals:	Yes No (N/A)	Total Containers:	

Sample Identification	Matrix	Date Sampled	Time Sampled	Depth	Number of Containers	BTEX (SW8021)	TPH (SW8015)	Hex Chrome (SW7196A)	Dissolved Metals (SW6020_DIS): Aresenic, Maganese, Iron & Chromium	TDS (SW2540)	Chlorides (E300)
MW095	W	4-16	0740		3			✓	✓	✓	✓
MW060	W	4-16	0827		3			✓	✓	✓	✓
MW061	W	4-16	0858		3			✓	✓	✓	✓
MW044	W	4-16	0940		3			✓	✓	✓	✓
MW032	W	4-16	0959		3			✓	✓	✓	✓
MW027	W	4-16	1119		3			✓	✓	✓	✓
MW026	W	4-16	1141		3			✓	✓	✓	✓
MW015A	W	4-16	1203		3			✓	✓	✓	✓
MW013	W	4-16	1220		3			✓	✓	✓	✓
MW004A	W	4-16	1235		3			✓	✓	✓	✓

Work Order Notes

TAT starts the day recevied by the lab, if received by 4:30pm

Sample Comments

Total 200.7 / 6010 200.8 / 6020: 8RCRA 13PPM Texas 11 Al Sb As Ba Be B Cd Ca Cr Co Cu Fe Pb Mg Mn Mo Ni K Se Ag SiO2 Na Sr Tl Sn U V Zn

Circle Method(s) and Metal(s) to be analyzed **TCLP / SPLP 6010**: 8RCRA Sb As Ba Be Cd Cr Co Cu Pb Mn Mo Ni Se Ag Tl U **1631 / 245.1 / 7470 / 7471** : Hg

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Relinquished by: (Signature)	Received by: (Signature)	Date/Time	Relinquished by: (Signature)	Received by: (Signature)	Date/Time
1	Winston Noel	4/6/19 16:20	2		4/6/19 1830
3			4		
5			6		

Received by OCD: 3/25/2020 3:45:40 PM
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Released to Imaging: 6/14/2022 10:44:20 AM

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Chain of Custody

Work Order No: 621298

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:	Brett Krehbiel	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:	916-786-5382	Email:	brett.krehbiel@arcadis.com

Work Order Comments

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

Project Name:	Eunice Project-N. Eunice	Turn Around	
Project Number:		Routine ☒	
P.O. Number:		Rush:	
Sampler's Name:	Chas Holder	Due Date:	

SAMPLE RECEIPT			
Temperature (°C):	2.3/2.2	Temp Blank: Yes (No)	Wet Ice: (Yes) No
Received Intact:	(Yes) No	Thermometer ID	RS
Cooler Custody Seals:	Yes No (N/A)	Correction Factor:	-0.1
Sample Custody Seals:	Yes No (N/A)	Total Containers:	

Sample Identification	Matrix	Date Sampled	Time Sampled	Depth	Number of Containers	BTEX (SW8021)	TPH (SW8015)	Hex Chrome (SW7196A)	Dissolved Metals (SW6020_DIS): Aresenic, Maganese, Iron & Chromium	TDS (SW2540)	Chlorides (E300)
MW010	W	4-16	1249		3			✓	✓	✓	✓
MW037	W	4-16	1303		8	✓	✓	✓	✓	✓	✓
MW004A	W	4-16	1334		3			✓	✓	✓	✓
IW024	W	4-16	1353		3			✓	✓	✓	✓
Dup 4	W	4-16	—		3			✓	✓	✓	✓
Dup 7	W	4-16	—		3			✓	✓	✓	✓

ANALYSIS REQUEST

Work Order Notes

TAT starts the day recevied by the lab, if received by 4:30pm

Sample Comments

Total 200.7 / 6010 200.8 / 6020: 8RCRA 13PPM Texas 11 Al Sb As Ba Be B Cd Ca Cr Co Cu Fe Pb Mg Mn Mo Ni K Se Ag SiO2 Na Sr Tl Sn U V Zn

Circle Method(s) and Metal(s) to be analyzed **TCLP / SPLP 6010**: 8RCRA Sb As Ba Be Cd Cr Co Cu Pb Mn Mo Ni Se Ag Tl U **1631 / 245.1 / 7470 / 7471** : Hg

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	Relinquished by: (Signature)	Received by: (Signature)	Date/Time		Relinquished by: (Signature)	Received by: (Signature)	Date/Time
1		Winston Kee	4/16/19 16:20	2			4/16/19 1830
3				4			
5				6			

Revised Date 051418 Rev. 2018.1

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Released to Imaging: 6/14/2022 10:44:20 AM

Certificate of Analytical Results
621298

ARCADIS, Midland, TX
Eunice Project- N. Eunice

Sample Id: **MW095** Matrix: Water Sample Depth:

Lab Sample Id: 621298-001 Date Collected: 04.16.2019 07:40 Date Received: 04.16.2019 18:30

Analytical Method: Chloride by EPA 300 Prep Method: E300P

Analyst: CHE % Moist: Tech: CHE

Seq Number: 3086447 Date Prep: 04.19.2019 10:45

Prep seq: 7676194

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Chloride	16887-00-6	**1500**	25.0	4.29	mg/L	04.19.2019 15:51		50

Analytical Method: TDS by SM2540C Prep Method:

Analyst: SPC % Moist: Tech: SPC

Seq Number: 3086376 Date Prep:

Prep seq:

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Total Dissolved Solids	1642222	**3760**	5.00	5.00	mg/L	04.19.2019 15:00		1

Analytical Method: Dissolved Metals by SW6020A Prep Method: 3010A

Analyst: DEP % Moist: Tech: DEP

Seq Number: 3086438 Date Prep: 04.19.2019 10:05

Subcontractor: SUB: T104704215-19-29 Prep seq: 7676150

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Arsenic	7440-38-2	**0.00930**	0.00400	0.000246	mg/L	04.19.2019 18:22		1
Chromium	7440-47-3	**3.77**	0.0800	0.0105	mg/L	04.22.2019 17:33	~~DX~~	20
Iron	7439-89-6	**0.242**	0.100	0.0227	mg/L	04.19.2019 18:22		1
Manganese	7439-96-5	**0.147**	0.00200	0.000199	mg/L	04.19.2019 18:22		1

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

Analyst: SPC % Moist: Tech: SPC

Seq Number: 3086370 Date Prep:

Prep seq:

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Chromium, Hexavalent	18540-29-9	**3.46**	0.100	0.0273	mg/L	04.17.2019 07:15	J	10

Certificate of Analytical Results
621298
ARCADIS, Midland, TX
Eunice Project- N. Eunice

Sample Id: **MW060** Matrix: Water Sample Depth:

Lab Sample Id: 621298-002 Date Collected: 04.16.2019 08:27 Date Received: 04.16.2019 18:30

Analytical Method: Chloride by EPA 300 Prep Method: E300P

Analyst: CHE % Moist: Tech: CHE

Seq Number: 3086447 Date Prep: 04.19.2019 10:45

Prep seq: 7676194

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Chloride	16887-00-6	**1670**	25.0	4.29	mg/L	04.19.2019 15:58		50

Analytical Method: TDS by SM2540C Prep Method:

Analyst: SPC % Moist: Tech: SPC

Seq Number: 3086376 Date Prep:

Prep seq:

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Total Dissolved Solids	1642222	**3390**	5.00	5.00	mg/L	04.19.2019 15:00		1

Analytical Method: Dissolved Metals by SW6020A Prep Method: 3010A

Analyst: DEP % Moist: Tech: DEP

Seq Number: 3086438 Date Prep: 04.19.2019 10:05

Subcontractor: SUB: T104704215-19-29 Prep seq: 7676150

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Arsenic	7440-38-2	**0.00265**	0.00400	0.000246	mg/L	04.19.2019 18:42	J	1
Chromium	7440-47-3	**0.00195**	0.00400	0.000525	mg/L	04.19.2019 18:42	J	1
Iron	7439-89-6	**0.796**	0.100	0.0227	mg/L	04.19.2019 18:42		1
Manganese	7439-96-5	**12.5**	0.200	0.0199	mg/L	04.22.2019 17:36	~~D~~	100

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

Analyst: SPC % Moist: Tech: SPC

Seq Number: 3086370 Date Prep:

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	04.17.2019 07:15	~~UX~~ UJ	1

Certificate of Analytical Results
621298
ARCADIS, Midland, TX
Eunice Project- N. Eunice

Sample Id: **MW061** Matrix: Water Sample Depth:

Lab Sample Id: 621298-003 Date Collected: 04.16.2019 08:58 Date Received: 04.16.2019 18:30

Analytical Method: Chloride by EPA 300 Prep Method: E300P

Analyst: CHE % Moist: Tech: CHE

Seq Number: 3086447 Date Prep: 04.19.2019 10:45

Prep seq: 7676194

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Chloride	16887-00-6	**1180**	25.0	4.29	mg/L	04.19.2019 16:04		50

Analytical Method: TDS by SM2540C Prep Method:

Analyst: SPC % Moist: Tech: SPC

Seq Number: 3086376 Date Prep:

Prep seq:

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Total Dissolved Solids	1642222	**3980**	5.00	5.00	mg/L	04.19.2019 15:00		1

Analytical Method: Dissolved Metals by SW6020A Prep Method: 3010A

Analyst: DEP % Moist: Tech: DEP

Seq Number: 3086438 Date Prep: 04.19.2019 10:05

Subcontractor: SUB: T104704215-19-29 Prep seq: 7676150

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Arsenic	7440-38-2	**0.0114**	0.00400	0.000246	mg/L	04.19.2019 18:44		1
Chromium	7440-47-3	**1.38**	0.00400	0.000525	mg/L	04.19.2019 18:44		1
Iron	7439-89-6	**0.0231**	0.100	0.0227	mg/L	04.19.2019 18:44	J	1
Manganese	7439-96-5	**0.0246**	0.00200	0.000199	mg/L	04.19.2019 18:44		1

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

Analyst: SPC % Moist: Tech: SPC

Seq Number: 3086370 Date Prep:

Prep seq:

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Chromium, Hexavalent	18540-29-9	**1.51**	0.100	0.0273	mg/L	04.17.2019 07:15	J	10

Certificate of Analytical Results
621298

ARCADIS, Midland, TX

Eunice Project- N. Eunice

Sample Id: **MW094** Matrix: Water Sample Depth:

Lab Sample Id: 621298-004 Date Collected: 04.16.2019 09:40 Date Received: 04.16.2019 18:30

Analytical Method: Chloride by EPA 300 Prep Method: E300P

Analyst: CHE % Moist: Tech: CHE

Seq Number: 3086447 Date Prep: 04.19.2019 10:45

Prep seq: 7676194

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Chloride	16887-00-6	**1070**	25.0	4.29	mg/L	04.19.2019 16:11		50

Analytical Method: TDS by SM2540C Prep Method:

Analyst: SPC % Moist: Tech: SPC

Seq Number: 3086376 Date Prep:

Prep seq:

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Total Dissolved Solids	1642222	**3860**	5.00	5.00	mg/L	04.19.2019 15:00		1

Analytical Method: Dissolved Metals by SW6020A Prep Method: 3010A

Analyst: DEP % Moist: Tech: DEP

Seq Number: 3086438 Date Prep: 04.19.2019 10:05

Subcontractor: SUB: T104704215-19-29 Prep seq: 7676150

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Arsenic	7440-38-2	**0.0108**	0.00400	0.000246	mg/L	04.19.2019 18:47		1
Chromium	7440-47-3	**1.53**	0.00400	0.000525	mg/L	04.19.2019 18:47		1
Iron	7439-89-6	**0.134**	0.100	0.0227	mg/L	04.19.2019 18:47		1
Manganese	7439-96-5	**0.0141**	0.00200	0.000199	mg/L	04.19.2019 18:47		1

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

Analyst: SPC % Moist: Tech: SPC

Seq Number: 3086370 Date Prep:

Prep seq:

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Chromium, Hexavalent	18540-29-9	**1.88**	0.100	0.0273	mg/L	04.17.2019 07:15	J	10

Certificate of Analytical Results
621298

ARCADIS, Midland, TX

Eunice Project- N. Eunice

Sample Id: **MW032** Matrix: Water Sample Depth:

Lab Sample Id: 621298-005 Date Collected: 04.16.2019 09:59 Date Received: 04.16.2019 18:30

Analytical Method: Chloride by EPA 300 Prep Method: E300P

Analyst: CHE % Moist: Tech: CHE

Seq Number: 3086447 Date Prep: 04.19.2019 10:45

Prep seq: 7676194

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Chloride	16887-00-6	**386**	5.00	0.858	mg/L	04.19.2019 16:18		10

Analytical Method: TDS by SM2540C Prep Method:

Analyst: SPC % Moist: Tech: SPC

Seq Number: 3086376 Date Prep:

Prep seq:

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Total Dissolved Solids	1642222	**1340**	5.00	5.00	mg/L	04.19.2019 15:00	J	1

Analytical Method: Dissolved Metals by SW6020A Prep Method: 3010A

Analyst: DEP % Moist: Tech: DEP

Seq Number: 3086438 Date Prep: 04.19.2019 10:05

Subcontractor: SUB: T104704215-19-29 Prep seq: 7676150

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Arsenic	7440-38-2	**0.00370**	0.00400	0.000246	mg/L	04.19.2019 18:50	J	1
Chromium	7440-47-3	**0.00473**	0.00400	0.000525	mg/L	04.19.2019 18:50		1
Iron	7439-89-6	<0.0227	0.100	0.0227	mg/L	04.19.2019 18:50	U	1
Manganese	7439-96-5	**0.00172**	0.00200	0.000199	mg/L	04.19.2019 18:50	J	1

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

Analyst: SPC % Moist: Tech: SPC

Seq Number: 3086370 Date Prep:

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	04.17.2019 07:15	~~U~~ UJ	1

Certificate of Analytical Results
621298

ARCADIS, Midland, TX

Eunice Project- N. Eunice

Sample Id: **MW027** Matrix: Water Sample Depth:

Lab Sample Id: 621298-006 Date Collected: 04.16.2019 11:19 Date Received: 04.16.2019 18:30

Analytical Method: Chloride by EPA 300 Prep Method: E300P

Analyst: CHE % Moist: Tech: CHE

Seq Number: 3086447 Date Prep: 04.19.2019 10:45

Prep seq: 7676194

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Chloride	16887-00-6	**367**	5.00	0.858	mg/L	04.19.2019 16:37		10

Analytical Method: TDS by SM2540C Prep Method:

Analyst: SPC % Moist: Tech: SPC

Seq Number: 3086376 Date Prep:

Prep seq:

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Total Dissolved Solids	1642222	**1550**	5.00	5.00	mg/L	04.19.2019 15:00		1

Analytical Method: Dissolved Metals by SW6020A Prep Method: 3010A

Analyst: DEP % Moist: Tech: DEP

Seq Number: 3086438 Date Prep: 04.19.2019 10:05

Subcontractor: SUB: T104704215-19-29 Prep seq: 7676150

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Arsenic	7440-38-2	**0.00653**	0.00400	0.000246	mg/L	04.19.2019 18:53		1
Chromium	7440-47-3	**0.00139**	0.00400	0.000525	mg/L	04.19.2019 18:53	J	1
Iron	7439-89-6	**0.0457**	0.100	0.0227	mg/L	04.19.2019 18:53	J	1
Manganese	7439-96-5	**0.00129**	0.00200	0.000199	mg/L	04.19.2019 18:53	J	1

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

Analyst: SPC % Moist: Tech: SPC

Seq Number: 3086370 Date Prep:

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	04.17.2019 07:15	~~U~~ UJ	1

Certificate of Analytical Results
621298
ARCADIS, Midland, TX
Eunice Project- N. Eunice

Sample Id: **MW026** Matrix: Water Sample Depth:

Lab Sample Id: 621298-007 Date Collected: 04.16.2019 11:41 Date Received: 04.16.2019 18:30

Analytical Method: Chloride by EPA 300 Prep Method: E300P

Analyst: CHE % Moist: Tech: CHE

Seq Number: 3086447 Date Prep: 04.19.2019 10:45

Prep seq: 7676194

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Chloride	16887-00-6	**104**	2.50	0.429	mg/L	04.19.2019 16:44		5

Analytical Method: TDS by SM2540C Prep Method:

Analyst: SPC % Moist: Tech: SPC

Seq Number: 3086376 Date Prep:

Prep seq:

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Total Dissolved Solids	1642222	**696**	5.00	5.00	mg/L	04.19.2019 15:00		1

Analytical Method: Dissolved Metals by SW6020A Prep Method: 3010A

Analyst: DEP % Moist: Tech: DEP

Seq Number: 3086438 Date Prep: 04.19.2019 10:05

Subcontractor: SUB: T104704215-19-29 Prep seq: 7676150

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Arsenic	7440-38-2	**0.00768**	0.00400	0.000246	mg/L	04.19.2019 18:56		1
Chromium	7440-47-3	<0.000525	0.00400	0.000525	mg/L	04.19.2019 18:56	U	1
Iron	7439-89-6	<0.0227	0.100	0.0227	mg/L	04.19.2019 18:56	U	1
Manganese	7439-96-5	**0.000977**	0.00200	0.000199	mg/L	04.19.2019 18:56	J	1

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

Analyst: SPC % Moist: Tech: SPC

Seq Number: 3086370 Date Prep:

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	04.17.2019 07:15	~~U~~ UJ	1

Certificate of Analytical Results
621298
ARCADIS, Midland, TX
Eunice Project- N. Eunice

Sample Id: **MW015A** Matrix: Water Sample Depth:

Lab Sample Id: 621298-008 Date Collected: 04.16.2019 12:03 Date Received: 04.16.2019 18:30

Analytical Method: Chloride by EPA 300 Prep Method: E300P

Analyst: CHE % Moist: Tech: CHE

Seq Number: 3086447 Date Prep: 04.19.2019 10:45

Prep seq: 7676194

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Chloride	16887-00-6	**4250**	25.0	4.29	mg/L	04.19.2019 16:50		50

Analytical Method: TDS by SM2540C Prep Method:

Analyst: SPC % Moist: Tech: SPC

Seq Number: 3086376 Date Prep:

Prep seq:

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Total Dissolved Solids	1642222	**6120**	5.00	5.00	mg/L	04.19.2019 15:00		1

Analytical Method: Dissolved Metals by SW6020A Prep Method: 3010A

Analyst: DEP % Moist: Tech: DEP

Seq Number: 3086438 Date Prep: 04.19.2019 10:05

Subcontractor: SUB: T104704215-19-29 Prep seq: 7676150

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Arsenic	7440-38-2	**0.0136**	0.0200	0.00123	mg/L	04.22.2019 17:39	~~JD~~ J	5
Chromium	7440-47-3	**0.00983**	0.0200	0.00262	mg/L	04.22.2019 17:39	~~JD~~ J	5
Iron	7439-89-6	<0.114	0.500	0.114	mg/L	04.22.2019 17:39	~~UD~~ U	5
Manganese	7439-96-5	**0.00203**	0.0100	0.000993	mg/L	04.22.2019 17:39	~~JD~~ J	5

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

Analyst: SPC % Moist: Tech: SPC

Seq Number: 3086370 Date Prep:

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	04.17.2019 07:15	~~U~~ UJ	1

Certificate of Analytical Results
621298
ARCADIS, Midland, TX
Eunice Project- N. Eunice

Sample Id: **MW013** Matrix: Water Sample Depth:

Lab Sample Id: 621298-009 Date Collected: 04.16.2019 12:20 Date Received: 04.16.2019 18:30

Analytical Method: Chloride by EPA 300 Prep Method: E300P

Analyst: CHE % Moist: Tech: CHE

Seq Number: 3086447 Date Prep: 04.19.2019 10:45

Prep seq: 7676194

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Chloride	16887-00-6	**859**	10.0	1.72	mg/L	04.19.2019 16:57		20

Analytical Method: TDS by SM2540C Prep Method:

Analyst: SPC % Moist: Tech: SPC

Seq Number: 3086376 Date Prep:

Prep seq:

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Total Dissolved Solids	1642222	**2940**	5.00	5.00	mg/L	04.19.2019 15:00		1

Analytical Method: Dissolved Metals by SW6020A Prep Method: 3010A

Analyst: DEP % Moist: Tech: DEP

Seq Number: 3086438 Date Prep: 04.19.2019 10:05

Subcontractor: SUB: T104704215-19-29 Prep seq: 7676150

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Arsenic	7440-38-2	**0.00809**	0.00400	0.000246	mg/L	04.19.2019 19:02		1
Chromium	7440-47-3	**2.54**	0.0800	0.0105	mg/L	04.22.2019 17:42	~~D~~	20
Iron	7439-89-6	<0.0227	0.100	0.0227	mg/L	04.19.2019 19:02	U	1
Manganese	7439-96-5	<0.000199	0.00200	0.000199	mg/L	04.19.2019 19:02	U	1

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

Analyst: SPC % Moist: Tech: SPC

Seq Number: 3086370 Date Prep:

Prep seq:

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Chromium, Hexavalent	18540-29-9	**2.22**	0.100	0.0273	mg/L	04.17.2019 07:15	J	10

Certificate of Analytical Results
621298

ARCADIS, Midland, TX
Eunice Project- N. Eunice

Sample Id: **MW040A** Matrix: Water Sample Depth:

Lab Sample Id: 621298-010 Date Collected: 04.16.2019 12:35 Date Received: 04.16.2019 18:30

Analytical Method: Chloride by EPA 300 Prep Method: E300P

Analyst: CHE % Moist: Tech: CHE

Seq Number: 3086646 Date Prep: 04.23.2019 11:00

Prep seq: 7676334

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Chloride	16887-00-6	**56.4**	2.50	0.429	mg/L	04.23.2019 13:27		5

Analytical Method: TDS by SM2540C Prep Method:

Analyst: SPC % Moist: Tech: SPC

Seq Number: 3086383 Date Prep:

Prep seq:

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Total Dissolved Solids	1642222	**481**	5.00	5.00	mg/L	04.19.2019 15:00		1

Analytical Method: Dissolved Metals by SW6020A Prep Method: 3010A

Analyst: DEP % Moist: Tech: DEP

Seq Number: 3086438 Date Prep: 04.19.2019 10:05

Subcontractor: SUB: T104704215-19-29 Prep seq: 7676150

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Arsenic	7440-38-2	**0.0203**	0.00400	0.000246	mg/L	04.19.2019 19:05		1
Chromium	7440-47-3	**0.00285**	0.00400	0.000525	mg/L	04.19.2019 19:05	J	1
Iron	7439-89-6	<0.0227	0.100	0.0227	mg/L	04.19.2019 19:05	U	1
Manganese	7439-96-5	**0.000271**	0.00200	0.000199	mg/L	04.19.2019 19:05	J	1

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

Analyst: SPC % Moist: Tech: SPC

Seq Number: 3086370 Date Prep:

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	04.17.2019 07:15	~~U~~ UJ	1

Certificate of Analytical Results
621298
ARCADIS, Midland, TX
Eunice Project- N. Eunice

Sample Id: **MW010** Matrix: Water Sample Depth:

Lab Sample Id: 621298-011 Date Collected: 04.16.2019 12:49 Date Received: 04.16.2019 18:30

Analytical Method: Chloride by EPA 300 Prep Method: E300P

Analyst: CHE % Moist: Tech: CHE

Seq Number: 3086646 Date Prep: 04.23.2019 11:00

Prep seq: 7676334

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Chloride	16887-00-6	**2380**	25.0	4.29	mg/L	04.23.2019 13:46		50

Analytical Method: TDS by SM2540C Prep Method:

Analyst: SPC % Moist: Tech: SPC

Seq Number: 3086383 Date Prep:

Prep seq:

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Total Dissolved Solids	1642222	**4160**	5.00	5.00	mg/L	04.19.2019 15:00		1

Analytical Method: Dissolved Metals by SW6020A Prep Method: 3010A

Analyst: DEP % Moist: Tech: DEP

Seq Number: 3086438 Date Prep: 04.19.2019 10:05

Subcontractor: SUB: T104704215-19-29 Prep seq: 7676150

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Arsenic	7440-38-2	**0.00885**	0.0200	0.00123	mg/L	04.22.2019 17:45	J~~D~~ J	5
Chromium	7440-47-3	**0.0273**	0.0200	0.00262	mg/L	04.22.2019 17:45	~~D~~	5
Iron	7439-89-6	<0.114	0.500	0.114	mg/L	04.22.2019 17:45	U~~D~~ U	5
Manganese	7439-96-5	<0.000993	0.0100	0.000993	mg/L	04.22.2019 17:45	U~~D~~ U	5

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

Analyst: SPC % Moist: Tech: SPC

Seq Number: 3086371 Date Prep:

Prep seq:

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Chromium, Hexavalent	18540-29-9	**0.0213**	0.0100	0.00273	mg/L	04.17.2019 07:15		1

Certificate of Analytical Results
621298

ARCADIS, Midland, TX

Eunice Project- N. Eunice

Sample Id: **MW037** Matrix: Water Sample Depth:

Lab Sample Id: 621298-012 Date Collected: 04.16.2019 13:03 Date Received: 04.16.2019 18:30

Analytical Method: Chloride by EPA 300 Prep Method: E300P

Analyst: CHE % Moist: Tech: CHE

Seq Number: 3086646 Date Prep: 04.23.2019 11:00

Prep seq: 7676334

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Chloride	16887-00-6	**405**	5.00	0.858	mg/L	04.23.2019 13:52		10

Analytical Method: TDS by SM2540C Prep Method:

Analyst: SPC % Moist: Tech: SPC

Seq Number: 3086383 Date Prep:

Prep seq:

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Total Dissolved Solids	1642222	**1320**	5.00	5.00	mg/L	04.19.2019 15:00		1

Analytical Method: Dissolved Metals by SW6020A Prep Method: 3010A

Analyst: DEP % Moist: Tech: DEP

Seq Number: 3086438 Date Prep: 04.19.2019 10:05

Subcontractor: SUB: T104704215-19-29 Prep seq: 7676150

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Arsenic	7440-38-2	**0.0546**	0.00400	0.000246	mg/L	04.19.2019 19:16		1
Chromium	7440-47-3	**0.00116**	0.00400	0.000525	mg/L	04.19.2019 19:16	J	1
Iron	7439-89-6	**8.05**	0.100	0.0227	mg/L	04.19.2019 19:16		1
Manganese	7439-96-5	**0.0493**	0.00200	0.000199	mg/L	04.19.2019 19:16		1

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

Analyst: SPC % Moist: Tech: SPC

Seq Number: 3086371 Date Prep:

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	04.17.2019 07:15	~~U~~ UJ	1

Certificate of Analytical Results
621298

ARCADIS, Midland, TX

Eunice Project- N. Eunice

Sample Id: **MW037** Matrix: Water Sample Depth:

Lab Sample Id: 621298-012 Date Collected: 04.16.2019 13:03 Date Received: 04.16.2019 18:30

Analytical Method: TPH By SW8015 Mod Prep Method: 1005

Analyst: ARM % Moist: Tech: ARM

Seq Number: 3086104 Date Prep: 04.17.2019 08:00

Prep seq: 7675991

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Gasoline Range Hydrocarbons	PHC610	**3.22**	1.50	0.987	mg/L	04.17.2019 16:33		1
Diesel Range Organics	C10C28DRO	**2.87**	1.50	0.911	mg/L	04.17.2019 16:33		1
Oil Range Hydrocarbons	PHCG2835	<0.911	1.50	0.911	mg/L	04.17.2019 16:33	U	1
Total TPH	PHC635	**6.09**	1.50	0.911	mg/L	04.17.2019 16:33		1

Surrogate	% Recovery	Limits	Units	Analysis Date	Flag
1-Chlorooctane	100	70 - 135	%		
o-Terphenyl	102	70 - 135	%		

Analytical Method: BTEX by EPA 8021B Prep Method: 5030B

Analyst: SCM % Moist: Tech: SCM

Seq Number: 3086156 Date Prep: 04.17.2019 16:00

Prep seq: 7676070

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Benzene	71-43-2	**0.719**	0.0200	0.00408	mg/L	04.18.2019 10:32	D	10
Toluene	108-88-3	**0.000390**	0.00200	0.000367	mg/L	04.18.2019 15:43	J	1
Ethylbenzene	100-41-4	**0.134**	0.00200	0.000657	mg/L	04.18.2019 15:43		1
m,p-Xylenes	179601-23-1	**0.00150**	0.00400	0.000630	mg/L	04.18.2019 15:43	J	1
o-Xylene	95-47-6	**0.00122**	0.00200	0.000642	mg/L	04.18.2019 15:43	J	1
Total Xylenes	1330-20-7	**0.00272**	0.00200	0.000630	mg/L	04.18.2019 15:43		1
Total BTEX		**0.856**	0.00200	0.000367	mg/L	04.18.2019 10:32		1

Surrogate	% Recovery	Limits	Units	Analysis Date	Flag
1,4-Difluorobenzene	109	70 - 130	%		
4-Bromofluorobenzene	103	70 - 130	%		

Certificate of Analytical Results
621298

ARCADIS, Midland, TX

Eunice Project- N. Eunice

Sample Id: **MW004A** Matrix: Water Sample Depth:

Lab Sample Id: 621298-013 Date Collected: 04.16.2019 13:34 Date Received: 04.16.2019 18:30

Analytical Method: Chloride by EPA 300 Prep Method: E300P

Analyst: CHE % Moist: Tech: CHE

Seq Number: 3086646 Date Prep: 04.23.2019 11:00

Prep seq: 7676334

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Chloride	16887-00-6	**550**	10.0	1.72	mg/L	04.23.2019 13:58		20

Analytical Method: TDS by SM2540C Prep Method:

Analyst: SPC % Moist: Tech: SPC

Seq Number: 3086383 Date Prep:

Prep seq:

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Total Dissolved Solids	1642222	**1080**	5.00	5.00	mg/L	04.19.2019 15:00		1

Analytical Method: Dissolved Metals by SW6020A Prep Method: 3010A

Analyst: DEP % Moist: Tech: DEP

Seq Number: 3086438 Date Prep: 04.19.2019 10:05

Subcontractor: SUB: T104704215-19-29 Prep seq: 7676150

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Arsenic	7440-38-2	**0.0156**	0.00400	0.000246	mg/L	04.22.2019 18:05		1
Chromium	7440-47-3	**0.558**	0.00400	0.000525	mg/L	04.22.2019 18:05		1
Iron	7439-89-6	<0.0227	0.100	0.0227	mg/L	04.22.2019 18:05	U	1
Manganese	7439-96-5	**0.000551**	0.00200	0.000199	mg/L	04.22.2019 18:05	J	1

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

Analyst: SPC % Moist: Tech: SPC

Seq Number: 3086371 Date Prep:

Prep seq:

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Chromium, Hexavalent	18540-29-9	**0.459**	0.0100	0.00273	mg/L	04.17.2019 07:15		1

Certificate of Analytical Results
621298
ARCADIS, Midland, TX
Eunice Project- N. Eunice

Sample Id: **IW024** Matrix: Water Sample Depth:

Lab Sample Id: 621298-014 Date Collected: 04.16.2019 13:53 Date Received: 04.16.2019 18:30

Analytical Method: Chloride by EPA 300 Prep Method: E300P

Analyst: CHE % Moist: Tech: CHE

Seq Number: 3086646 Date Prep: 04.23.2019 11:00

Prep seq: 7676334

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Chloride	16887-00-6	**817**	25.0	4.29	mg/L	04.23.2019 14:05		50

Analytical Method: TDS by SM2540C Prep Method:

Analyst: SPC % Moist: Tech: SPC

Seq Number: 3086383 Date Prep:

Prep seq:

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Total Dissolved Solids	1642222	**4350**	5.00	5.00	mg/L	04.19.2019 15:00		1

Analytical Method: Dissolved Metals by SW6020A Prep Method: 3010A

Analyst: DEP % Moist: Tech: DEP

Seq Number: 3086438 Date Prep: 04.19.2019 10:05

Subcontractor: SUB: T104704215-19-29 Prep seq: 7676150

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Arsenic	7440-38-2	**0.0113**	0.00400	0.000246	mg/L	04.22.2019 18:08		1
Chromium	7440-47-3	**1.21**	0.00400	0.000525	mg/L	04.22.2019 18:08		1
Iron	7439-89-6	**0.321**	0.100	0.0227	mg/L	04.22.2019 18:08		1
Manganese	7439-96-5	**0.0288**	0.00200	0.000199	mg/L	04.22.2019 18:08		1

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

Analyst: SPC % Moist: Tech: SPC

Seq Number: 3086371 Date Prep:

Prep seq:

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Chromium, Hexavalent	18540-29-9	**1.02**	0.0500	0.0136	mg/L	04.17.2019 07:15		5

Certificate of Analytical Results
621298

ARCADIS, Midland, TX
Eunice Project- N. Eunice

Sample Id: **DUP04** Matrix: Water Sample Depth:

Lab Sample Id: 621298-015 Date Collected: 04.16.2019 00:00 Date Received: 04.16.2019 18:30

Analytical Method: Chloride by EPA 300 Prep Method: E300P

Analyst: CHE % Moist: Tech: CHE

Seq Number: 3086646 Date Prep: 04.23.2019 11:00

Prep seq: 7676334

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Chloride	16887-00-6	**374**	5.00	0.858	mg/L	04.23.2019 14:24		10

Analytical Method: TDS by SM2540C Prep Method:

Analyst: SPC % Moist: Tech: SPC

Seq Number: 3086383 Date Prep:

Prep seq:

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Total Dissolved Solids	1642222	**372**	5.00	5.00	mg/L	04.19.2019 15:00	J	1

Analytical Method: Dissolved Metals by SW6020A Prep Method: 3010A

Analyst: DEP % Moist: Tech: DEP

Seq Number: 3086438 Date Prep: 04.19.2019 10:05

Subcontractor: SUB: T104704215-19-29 Prep seq: 7676150

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Arsenic	7440-38-2	**0.00315**	0.00400	0.000246	mg/L	04.19.2019 19:25	J	1
Chromium	7440-47-3	**0.00505**	0.00400	0.000525	mg/L	04.19.2019 19:25		1
Iron	7439-89-6	**0.0230**	0.100	0.0227	mg/L	04.19.2019 19:25	J	1
Manganese	7439-96-5	**0.00127**	0.00200	0.000199	mg/L	04.19.2019 19:25	J	1

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

Analyst: SPC % Moist: Tech: SPC

Seq Number: 3086371 Date Prep:

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	04.17.2019 07:15	~~UK~~ U	1

Certificate of Analytical Results
621298

ARCADIS, Midland, TX
Eunice Project- N. Eunice

Sample Id: **DUP07** Matrix: Water Sample Depth:

Lab Sample Id: 621298-016 Date Collected: 04.16.2019 00:00 Date Received: 04.16.2019 18:30

Analytical Method: Chloride by EPA 300 Prep Method: E300P

Analyst: CHE % Moist: Tech: CHE

Seq Number: 3086646 Date Prep: 04.23.2019 11:00

Prep seq: 7676334

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Chloride	16887-00-6	**1410**	25.0	4.29	mg/L	04.23.2019 14:30		50

Analytical Method: TDS by SM2540C Prep Method:

Analyst: SPC % Moist: Tech: SPC

Seq Number: 3086383 Date Prep:

Prep seq:

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Total Dissolved Solids	1642222	**5320**	5.00	5.00	mg/L	04.19.2019 15:00		1

Analytical Method: Dissolved Metals by SW6020A Prep Method: 3010A

Analyst: DEP % Moist: Tech: DEP

Seq Number: 3086438 Date Prep: 04.19.2019 10:05

Subcontractor: SUB: T104704215-19-29 Prep seq: 7676150

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Arsenic	7440-38-2	**0.00823**	0.00400	0.000246	mg/L	04.19.2019 19:28		1
Chromium	7440-47-3	**3.97**	0.0800	0.0105	mg/L	04.22.2019 17:54	~~D~~	20
Iron	7439-89-6	**0.239**	0.100	0.0227	mg/L	04.19.2019 19:28		1
Manganese	7439-96-5	**0.126**	0.00200	0.000199	mg/L	04.19.2019 19:28		1

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

Analyst: SPC % Moist: Tech: SPC

Seq Number: 3086371 Date Prep:

Prep seq:

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Chromium, Hexavalent	18540-29-9	**3.54**	0.100	0.0273	mg/L	04.17.2019 07:15	~~K~~	10

Certificate of Analytical Results
621298
ARCADIS, Midland, TX
Eunice Project- N. Eunice

Sample Id: **3086370-1-BLK** Matrix: Water Sample Depth:
Lab Sample Id: 3086370-1-BLK Date Collected: Date Received:
Analytical Method: Chromium, Hexavalent by SW 7196A Prep Method:
Analyst: SPC % Moist: Tech: SPC
Seq Number: 3086370 Date Prep:
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	04.17.2019 07:15	U	1

Sample Id: **3086371-1-BLK** Matrix: Water Sample Depth:
Lab Sample Id: 3086371-1-BLK Date Collected: Date Received:
Analytical Method: Chromium, Hexavalent by SW 7196A Prep Method:
Analyst: SPC % Moist: Tech: SPC
Seq Number: 3086371 Date Prep:
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	04.17.2019 07:15	U	1

Sample Id: **3086376-1-BLK** Matrix: Water Sample Depth:
Lab Sample Id: 3086376-1-BLK Date Collected: Date Received:
Analytical Method: TDS by SM2540C Prep Method:
Analyst: SPC % Moist: Tech: SPC
Seq Number: 3086376 Date Prep:
Prep seq:

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Total Dissolved Solids	1642222	**6.00**	5.00	5.00	mg/L	04.19.2019 15:00	B	1

Sample Id: **3086383-1-BLK** Matrix: Water Sample Depth:
Lab Sample Id: 3086383-1-BLK Date Collected: Date Received:
Analytical Method: TDS by SM2540C Prep Method:
Analyst: SPC % Moist: Tech: SPC
Seq Number: 3086383 Date Prep:
Prep seq:

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Total Dissolved Solids	1642222	<5.00	5.00	5.00	mg/L	04.19.2019 15:00	U	1

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Chain of Custody

Work Order No: 621300

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:	Brett Krehbiel	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:	916-786-5382 Email: brett.krehbiel@arcadis.com		

Work Order Comments

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

Project Name:	Eunice Project-N. Eunice	Turn Around	
Project Number:	30048789	Routine ☑	
P.O. Number:	30048789	Rush:	
Sampler's Name:	Jerry Longwell	Due Date:	

SAMPLE RECEIPT			
Temp Blank:	Yes (No)	Wet Ice:	(Yes) No
Temperature (°C):	2.3/2.2	Thermometer ID	R8
Received Intact:	(Yes) No		
Cooler Custody Seals:	Yes No (N/A)	Correction Factor:	-0.1
Sample Custody Seals:	Yes No (N/A)	Total Containers:	

ANALYSIS REQUEST

Work Order Notes

TAT starts the day recevied by the lab, if received by 4:30pm

Sample Identification	Matrix	Date Sampled	Time Sampled	Depth	Number of Containers	BTEX (SW8021)	TPH (SW8015)	Hex Chrome (SW7196A)	Dissolved Metals (SW6020_DIS): Aresenic, Maganese, Iron & Chromium	TDS (SW2540)	Chlorides (E300)	Sample Comments
MW054SA	W	04/16/19	0749		3			✓	✓	✓	✓	
MW052SA	W	4/16/19	0816		3			✓	✓	✓	✓	
MW049SA	W	4/16/19	0831		3			✓	✓	✓	✓	
MW048SA	W	4/16/19	0843		3			✓	✓	✓	✓	
MW041A	W	4/16/19	0859		3			✓	✓	✓	✓	
EW019	W	4/16/19	0946		8	✓	✓	✓	✓	✓	✓	
MW093SA	W	4/16/19	1123		3			✓	✓	✓	✓	
EW023	W	4/16/19	1210		3			✓	✓	✓	✓	
MW020A	W	4/16/19	1229		3			✓	✓	✓	✓	
DUP01	W	4/16/19	—		8	✓	✓	✓	✓	✓	✓	

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 Longwell	Winton Neal	4/16/19 16:20	2		4/16/19 1830
3			4		
5			6		

Revised Date 051418 Rev. 2018.1

Received by OCD: 3/25/2020 3:45:40 PM
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Chain of Custody

XENCO LABORATORIES
Houston,TX (281) 240-4200 Dallas,TX (214) 902-0300 San Antonio,TX (210) 509-3334
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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: 621300

Page 1 of 2

Project Manager:	Brett Krehbiel	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:	916-786-5382	Email:	brett.krehbiel@arcadis.com

Work Order Comments

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

Project Name:	Eunice Project-N. Eunice	Turn Around	
Project Number:	30048789	Routine	☒
P.O. Number:	30048789	Rush:	
Sampler's Name:	Jerry Schoonmaker	Due Date:	

SAMPLE RECEIPT			
Temp Blank:	Yes (No)	Wet Ice:	(Yes) No
Temperature (°C):	2.3/2.2	Thermometer ID	R8
Received Intact:	(Yes) No		
Cooler Custody Seals:	Yes No (N/A)	Correction Factor:	-0.1
Sample Custody Seals:	Yes No (N/A)	Total Containers:	

Sample Identification	Matrix	Date Sampled	Time Sampled	Depth	Number of Containers	BTEX (SW8021)	TPH (SW8015)	Hex Chrome (SW7196A)	Dissolved Metals (SW6020_DIS): Aresenic, Maganese, Iron & Chromium	TDS (SW2540)	Chlorides (E300)
MW018A	W	4/16/19	1255		3			✓	✓	✓	✓
~~MW018A~~ MW018	W	4/16/19	1317		3			✓	✓	✓	✓
MW097P	W	4/16/19	1345		3			✓	✓	✓	✓
DUP03	W	4/16/19	—		3			✓	✓	✓	✓

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 Schoonmaker	Winston Noel	4/16/19 16:20	2			4/16/19 1830
3				4			
5				6			

Revised Date 051418 Rev. 2018.1

Received by OCD: 3/25/2020 3:45:40 PM
Released to Imaging: 6/14/2022 10:44:20 AM
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Certificate of Analytical Results
621300
ARCADIS, Midland, TX
Eunice Project-N. Eunice

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

Lab Sample Id: 621300-001 Date Collected: 04.16.2019 07:49 Date Received: 04.16.2019 18:30

Analytical Method: Chloride by EPA 300 Prep Method: E300P

Analyst: CHE % Moist: Tech: CHE

Seq Number: 3086646 Date Prep: 04.23.2019 11:00

Prep seq: 7676334

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Chloride	16887-00-6	**951**	10.0	1.72	mg/L	04.23.2019 14:36		20

Analytical Method: TDS by SM2540C Prep Method:

Analyst: SPC % Moist: Tech: SPC

Seq Number: 3086383 Date Prep:

Prep seq:

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Total Dissolved Solids	1642222	**1910**	5.00	5.00	mg/L	04.19.2019 15:00		1

Analytical Method: Dissolved Metals by SW6020A Prep Method: 3010A

Analyst: DEP % Moist: Tech: DEP

Seq Number: 3086431 Date Prep: 04.19.2019 08:10

Subcontractor: SUB: T104704215-19-29 Prep seq: 7676123

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Arsenic	7440-38-2	**0.0109**	0.00400	0.000246	mg/L	04.19.2019 21:24		1
Chromium	7440-47-3	**0.122**	0.00400	0.000525	mg/L	04.19.2019 21:24		1
Iron	7439-89-6	**0.227**	0.100	0.0227	mg/L	04.19.2019 21:24		1
Manganese	7439-96-5	**0.00730**	0.00200	0.000199	mg/L	04.19.2019 21:24		1

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

Analyst: SPC % Moist: Tech: SPC

Seq Number: 3086371 Date Prep:

Prep seq:

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Chromium, Hexavalent	18540-29-9	**0.117**	0.0100	0.00273	mg/L	04.17.2019 07:15		1

Certificate of Analytical Results
621300

ARCADIS, Midland, TX

Eunice Project-N. Eunice

Sample Id: **MW052SA** Matrix: Water Sample Depth:

Lab Sample Id: 621300-002 Date Collected: 04.16.2019 08:16 Date Received: 04.16.2019 18:30

Analytical Method: Chloride by EPA 300 Prep Method: E300P

Analyst: CHE % Moist: Tech: CHE

Seq Number: 3086646 Date Prep: 04.23.2019 11:00

Prep seq: 7676334

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Chloride	16887-00-6	**1590**	25.0	4.29	mg/L	04.23.2019 14:43		50

Analytical Method: TDS by SM2540C Prep Method:

Analyst: SPC % Moist: Tech: SPC

Seq Number: 3086383 Date Prep:

Prep seq:

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Total Dissolved Solids	1642222	**3060**	5.00	5.00	mg/L	04.19.2019 15:00		1

Analytical Method: Dissolved Metals by SW6020A Prep Method: 3010A

Analyst: DEP % Moist: Tech: DEP

Seq Number: 3086431 Date Prep: 04.19.2019 08:10

Subcontractor: SUB: T104704215-19-29 Prep seq: 7676123

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Arsenic	7440-38-2	**0.0138**	0.00400	0.000246	mg/L	04.19.2019 21:27		1
Chromium	7440-47-3	**0.246**	0.00400	0.000525	mg/L	04.19.2019 21:27		1
Iron	7439-89-6	**0.110**	0.100	0.0227	mg/L	04.19.2019 21:27		1
Manganese	7439-96-5	**0.00376**	0.00200	0.000199	mg/L	04.19.2019 21:27		1

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

Analyst: SPC % Moist: Tech: SPC

Seq Number: 3086371 Date Prep:

Prep seq:

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Chromium, Hexavalent	18540-29-9	**0.224**	0.0100	0.00273	mg/L	04.17.2019 07:15		1

Certificate of Analytical Results
621300
ARCADIS, Midland, TX
Eunice Project-N. Eunice

Sample Id: **MW049SA** Matrix: Water Sample Depth:

Lab Sample Id: 621300-003 Date Collected: 04.16.2019 08:31 Date Received: 04.16.2019 18:30

Analytical Method: Chloride by EPA 300 Prep Method: E300P

Analyst: CHE % Moist: Tech: CHE

Seq Number: 3086646 Date Prep: 04.23.2019 11:00

Prep seq: 7676334

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Chloride	16887-00-6	**1320**	25.0	4.29	mg/L	04.23.2019 14:49		50

Analytical Method: TDS by SM2540C Prep Method:

Analyst: SPC % Moist: Tech: SPC

Seq Number: 3086383 Date Prep:

Prep seq:

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Total Dissolved Solids	1642222	**2530**	5.00	5.00	mg/L	04.19.2019 15:00		1

Analytical Method: Dissolved Metals by SW6020A Prep Method: 3010A

Analyst: DEP % Moist: Tech: DEP

Seq Number: 3086431 Date Prep: 04.19.2019 08:10

Subcontractor: SUB: T104704215-19-29 Prep seq: 7676123

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Arsenic	7440-38-2	**0.0125**	0.0200	0.00123	mg/L	04.22.2019 13:17	JD J	5
Chromium	7440-47-3	**0.200**	0.0200	0.00262	mg/L	04.22.2019 13:17	D	5
Iron	7439-89-6	<0.114	0.500	0.114	mg/L	04.22.2019 13:17	UD U	5
Manganese	7439-96-5	<0.000993	0.0100	0.000993	mg/L	04.22.2019 13:17	UD U	5

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

Analyst: SPC % Moist: Tech: SPC

Seq Number: 3086371 Date Prep:

Prep seq:

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Chromium, Hexavalent	18540-29-9	**0.176**	0.0100	0.00273	mg/L	04.17.2019 07:15		1

Certificate of Analytical Results
621300
ARCADIS, Midland, TX
Eunice Project-N. Eunice

Sample Id: **MW048SA** Matrix: Water Sample Depth:

Lab Sample Id: 621300-004 Date Collected: 04.16.2019 08:43 Date Received: 04.16.2019 18:30

Analytical Method: Chloride by EPA 300 Prep Method: E300P

Analyst: CHE % Moist: Tech: CHE

Seq Number: 3086646 Date Prep: 04.23.2019 11:00

Prep seq: 7676334

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Chloride	16887-00-6	**607**	10.0	1.72	mg/L	04.23.2019 14:55		20

Analytical Method: TDS by SM2540C Prep Method:

Analyst: SPC % Moist: Tech: SPC

Seq Number: 3086383 Date Prep:

Prep seq:

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Total Dissolved Solids	1642222	**1860**	5.00	5.00	mg/L	04.19.2019 15:00		1

Analytical Method: Dissolved Metals by SW6020A Prep Method: 3010A

Analyst: DEP % Moist: Tech: DEP

Seq Number: 3086431 Date Prep: 04.19.2019 08:10

Subcontractor: SUB: T104704215-19-29 Prep seq: 7676123

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Arsenic	7440-38-2	**0.0121**	0.00400	0.000246	mg/L	04.19.2019 21:33		1
Chromium	7440-47-3	**0.396**	0.00400	0.000525	mg/L	04.19.2019 21:33		1
Iron	7439-89-6	**0.0259**	0.100	0.0227	mg/L	04.19.2019 21:33	J	1
Manganese	7439-96-5	**0.00124**	0.00200	0.000199	mg/L	04.19.2019 21:33	J	1

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

Analyst: SPC % Moist: Tech: SPC

Seq Number: 3086371 Date Prep:

Prep seq:

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Chromium, Hexavalent	18540-29-9	**0.363**	0.0100	0.00273	mg/L	04.17.2019 07:15		1

Certificate of Analytical Results
621300
ARCADIS, Midland, TX
Eunice Project-N. Eunice

Sample Id: **MW041A** Matrix: Water Sample Depth:

Lab Sample Id: 621300-005 Date Collected: 04.16.2019 08:59 Date Received: 04.16.2019 18:30

Analytical Method: Chloride by EPA 300 Prep Method: E300P

Analyst: CHE % Moist: Tech: CHE

Seq Number: 3086646 Date Prep: 04.23.2019 11:00

Prep seq: 7676334

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Chloride	16887-00-6	**461**	5.00	0.858	mg/L	04.23.2019 15:14		10

Analytical Method: TDS by SM2540C Prep Method:

Analyst: SPC % Moist: Tech: SPC

Seq Number: 3086383 Date Prep:

Prep seq:

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Total Dissolved Solids	1642222	**1530**	5.00	5.00	mg/L	04.19.2019 15:00		1

Analytical Method: Dissolved Metals by SW6020A Prep Method: 3010A

Analyst: DEP % Moist: Tech: DEP

Seq Number: 3086431 Date Prep: 04.19.2019 08:10

Subcontractor: SUB: T104704215-19-29 Prep seq: 7676123

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Arsenic	7440-38-2	**0.0104**	0.00400	0.000246	mg/L	04.19.2019 21:36		1
Chromium	7440-47-3	**0.201**	0.00400	0.000525	mg/L	04.19.2019 21:36		1
Iron	7439-89-6	<0.0227	0.100	0.0227	mg/L	04.19.2019 21:36	U	1
Manganese	7439-96-5	**0.00107**	0.00200	0.000199	mg/L	04.19.2019 21:36	J	1

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

Analyst: SPC % Moist: Tech: SPC

Seq Number: 3086374 Date Prep:

Prep seq:

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Chromium, Hexavalent	18540-29-9	**0.175**	0.0100	0.00273	mg/L	04.17.2019 08:31		1

Certificate of Analytical Results
621300
ARCADIS, Midland, TX
Eunice Project-N. Eunice

Sample Id: **IW019** Matrix: Water Sample Depth:

Lab Sample Id: 621300-006 Date Collected: 04.16.2019 09:44 Date Received: 04.16.2019 18:30

Analytical Method: Chloride by EPA 300 Prep Method: E300P

Analyst: CHE % Moist: Tech: CHE

Seq Number: 3086646 Date Prep: 04.23.2019 11:00

Prep seq: 7676334

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Chloride	16887-00-6	**1130**	25.0	4.29	mg/L	04.23.2019 15:21	J	50

Analytical Method: TDS by SM2540C Prep Method:

Analyst: SPC % Moist: Tech: SPC

Seq Number: 3086383 Date Prep:

Prep seq:

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Total Dissolved Solids	1642222	**3310**	5.00	5.00	mg/L	04.19.2019 15:00		1

Analytical Method: Dissolved Metals by SW6020A Prep Method: 3010A

Analyst: DEP % Moist: Tech: DEP

Seq Number: 3086431 Date Prep: 04.19.2019 08:10

Subcontractor: SUB: T104704215-19-29 Prep seq: 7676123

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Arsenic	7440-38-2	**0.00987**	0.00400	0.000246	mg/L	04.19.2019 21:45		1
Chromium	7440-47-3	**0.672**	0.0200	0.00262	mg/L	04.23.2019 16:58	D	5
Iron	7439-89-6	**0.0721**	0.100	0.0227	mg/L	04.19.2019 21:45	J	1
Manganese	7439-96-5	**0.139**	0.00200	0.000199	mg/L	04.19.2019 21:45		1

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

Analyst: SPC % Moist: Tech: SPC

Seq Number: 3086374 Date Prep:

Prep seq:

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Chromium, Hexavalent	18540-29-9	**0.664**	0.0500	0.0136	mg/L	04.17.2019 08:31		5

Certificate of Analytical Results
621300
ARCADIS, Midland, TX
Eunice Project-N. Eunice

Sample Id: **IW019** Matrix: Water Sample Depth:

Lab Sample Id: 621300-006 Date Collected: 04.16.2019 09:44 Date Received: 04.16.2019 18:30

Analytical Method: TPH By SW8015 Mod Prep Method: 1005

Analyst: ARM % Moist: Tech: ARM

Seq Number: 3086104 Date Prep: 04.17.2019 08:00

Prep seq: 7675991

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Gasoline Range Hydrocarbons	PHC610	<0.986	1.50	0.986	mg/L	04.17.2019 16:53	U	1
Diesel Range Organics	C10C28DRO	<0.911	1.50	0.911	mg/L	04.17.2019 16:53	U	1
Oil Range Hydrocarbons	PHCG2835	<0.911	1.50	0.911	mg/L	04.17.2019 16:53	U	1
Total TPH	PHC635	<0.911	1.50	0.911	mg/L	04.17.2019 16:53	U	1

Surrogate	% Recovery	Limits	Units	Analysis Date	Flag
1-Chlorooctane	102	70 - 135	%		
o-Terphenyl	110	70 - 135	%		

Analytical Method: BTEX by EPA 8021B Prep Method: 5030B

Analyst: SCM % Moist: Tech: SCM

Seq Number: 3086156 Date Prep: 04.17.2019 16:00

Prep seq: 7676070

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Benzene	71-43-2	<0.000408	0.00200	0.000408	mg/L	04.18.2019 08:30	U	1
Toluene	108-88-3	<0.000367	0.00200	0.000367	mg/L	04.18.2019 08:30	U	1
Ethylbenzene	100-41-4	<0.000657	0.00200	0.000657	mg/L	04.18.2019 08:30	U	1
m,p-Xylenes	179601-23-1	<0.000630	0.00400	0.000630	mg/L	04.18.2019 08:30	U	1
o-Xylene	95-47-6	<0.000642	0.00200	0.000642	mg/L	04.18.2019 08:30	U	1
Total Xylenes	1330-20-7	<0.000630	0.00200	0.000630	mg/L	04.18.2019 08:30	U	1
Total BTEX		<0.000367	0.00200	0.000367	mg/L	04.18.2019 08:30	U	1

Surrogate	% Recovery	Limits	Units	Analysis Date	Flag
1,4-Difluorobenzene	103	70 - 130	%		
4-Bromofluorobenzene	113	70 - 130	%		

Certificate of Analytical Results
621300
ARCADIS, Midland, TX
Eunice Project-N. Eunice

Sample Id: **MW093SA** Matrix: Water Sample Depth:

Lab Sample Id: 621300-007 Date Collected: 04.16.2019 11:23 Date Received: 04.16.2019 18:30

Analytical Method: Chloride by EPA 300 Prep Method: E300P

Analyst: CHE % Moist: Tech: CHE

Seq Number: 3086646 Date Prep: 04.23.2019 11:00

Prep seq: 7676334

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Chloride	16887-00-6	**984**	25.0	4.29	mg/L	04.23.2019 15:40		50

Analytical Method: TDS by SM2540C Prep Method:

Analyst: SPC % Moist: Tech: SPC

Seq Number: 3086383 Date Prep:

Prep seq:

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Total Dissolved Solids	1642222	**3220**	5.00	5.00	mg/L	04.19.2019 15:00		1

Analytical Method: Dissolved Metals by SW6020A Prep Method: 3010A

Analyst: DEP % Moist: Tech: DEP

Seq Number: 3086431 Date Prep: 04.19.2019 08:10

Subcontractor: SUB: T104704215-19-29 Prep seq: 7676123

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Arsenic	7440-38-2	**0.00811**	0.00400	0.000246	mg/L	04.19.2019 21:48		1
Chromium	7440-47-3	**0.405**	0.00400	0.000525	mg/L	04.19.2019 21:48		1
Iron	7439-89-6	**0.0483**	0.100	0.0227	mg/L	04.19.2019 21:48	J	1
Manganese	7439-96-5	**0.244**	0.00200	0.000199	mg/L	04.19.2019 21:48		1

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

Analyst: SPC % Moist: Tech: SPC

Seq Number: 3086374 Date Prep:

Prep seq:

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Chromium, Hexavalent	18540-29-9	**0.365**	0.0100	0.00273	mg/L	04.17.2019 08:31		1

Certificate of Analytical Results
621300
ARCADIS, Midland, TX
Eunice Project-N. Eunice

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

Lab Sample Id: 621300-008 Date Collected: 04.16.2019 12:10 Date Received: 04.16.2019 18:30

Analytical Method: Chloride by EPA 300 Prep Method: E300P

Analyst: CHE % Moist: Tech: CHE

Seq Number: 3086646 Date Prep: 04.23.2019 11:00

Prep seq: 7676334

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Chloride	16887-00-6	**765**	10.0	1.72	mg/L	04.23.2019 15:46		20

Analytical Method: TDS by SM2540C Prep Method:

Analyst: SPC % Moist: Tech: SPC

Seq Number: 3086383 Date Prep:

Prep seq:

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Total Dissolved Solids	1642222	**2790**	5.00	5.00	mg/L	04.19.2019 15:00		1

Analytical Method: Dissolved Metals by SW6020A Prep Method: 3010A

Analyst: DEP % Moist: Tech: DEP

Seq Number: 3086431 Date Prep: 04.19.2019 08:10

Subcontractor: SUB: T104704215-19-29 Prep seq: 7676123

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Arsenic	7440-38-2	**0.00961**	0.00400	0.000246	mg/L	04.19.2019 21:51		1
Chromium	7440-47-3	**0.345**	0.00400	0.000525	mg/L	04.19.2019 21:51		1
Iron	7439-89-6	**0.0487**	0.100	0.0227	mg/L	04.19.2019 21:51	J	1
Manganese	7439-96-5	**0.00282**	0.00200	0.000199	mg/L	04.19.2019 21:51		1

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

Analyst: SPC % Moist: Tech: SPC

Seq Number: 3086374 Date Prep:

Prep seq:

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Chromium, Hexavalent	18540-29-9	**0.315**	0.0100	0.00273	mg/L	04.17.2019 08:31		1

Certificate of Analytical Results
621300
ARCADIS, Midland, TX
Eunice Project-N. Eunice

Sample Id: **MW020A** Matrix: Water Sample Depth:

Lab Sample Id: 621300-009 Date Collected: 04.16.2019 12:29 Date Received: 04.16.2019 18:30

Analytical Method: Chloride by EPA 300 Prep Method: E300P

Analyst: CHE % Moist: Tech: CHE

Seq Number: 3086646 Date Prep: 04.23.2019 11:00

Prep seq: 7676334

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Chloride	16887-00-6	**1320**	10.0	1.72	mg/L	04.23.2019 15:53		20

Analytical Method: TDS by SM2540C Prep Method:

Analyst: SPC % Moist: Tech: SPC

Seq Number: 3086383 Date Prep:

Prep seq:

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Total Dissolved Solids	1642222	**2180**	5.00	5.00	mg/L	04.19.2019 15:00		1

Analytical Method: Dissolved Metals by SW6020A Prep Method: 3010A

Analyst: DEP % Moist: Tech: DEP

Seq Number: 3086431 Date Prep: 04.19.2019 08:10

Subcontractor: SUB: T104704215-19-29 Prep seq: 7676123

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Arsenic	7440-38-2	**0.0111**	0.0200	0.00123	mg/L	04.22.2019 13:20	JD J	5
Chromium	7440-47-3	**0.00560**	0.0200	0.00262	mg/L	04.22.2019 13:20	JD J	5
Iron	7439-89-6	<0.114	0.500	0.114	mg/L	04.22.2019 13:20	UD U	5
Manganese	7439-96-5	**0.00112**	0.0100	0.000993	mg/L	04.22.2019 13:20	JD J	5

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

Analyst: SPC % Moist: Tech: SPC

Seq Number: 3086374 Date Prep:

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	04.17.2019 08:31	U	1

Certificate of Analytical Results
621300
ARCADIS, Midland, TX
Eunice Project-N. Eunice

Sample Id: **DUP01** Matrix: Water Sample Depth:

Lab Sample Id: 621300-010 Date Collected: 04.16.2019 00:00 Date Received: 04.16.2019 18:30

Analytical Method: Chloride by EPA 300 Prep Method: E300P

Analyst: CHE % Moist: Tech: CHE

Seq Number: 3086646 Date Prep: 04.23.2019 11:00

Prep seq: 7676334

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Chloride	16887-00-6	**361**	25.0	4.29	mg/L	04.23.2019 15:59	J	50

Analytical Method: TDS by SM2540C Prep Method:

Analyst: SPC % Moist: Tech: SPC

Seq Number: 3086383 Date Prep:

Prep seq:

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Total Dissolved Solids	1642222	**3190**	5.00	5.00	mg/L	04.19.2019 15:00		1

Analytical Method: Dissolved Metals by SW6020A Prep Method: 3010A

Analyst: DEP % Moist: Tech: DEP

Seq Number: 3086431 Date Prep: 04.19.2019 08:10

Subcontractor: SUB: T104704215-19-29 Prep seq: 7676123

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Arsenic	7440-38-2	**0.0106**	0.0200	0.00123	mg/L	04.22.2019 13:22	JD J	5
Chromium	7440-47-3	**0.736**	0.0200	0.00262	mg/L	04.22.2019 13:22	D	5
Iron	7439-89-6	<0.114	0.500	0.114	mg/L	04.22.2019 13:22	UD U	5
Manganese	7439-96-5	**0.105**	0.0100	0.000993	mg/L	04.22.2019 13:22	D	5

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

Analyst: SPC % Moist: Tech: SPC

Seq Number: 3086374 Date Prep:

Prep seq:

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Chromium, Hexavalent	18540-29-9	**0.698**	0.0500	0.0136	mg/L	04.17.2019 08:31	~~K~~	5

Certificate of Analytical Results
621300
ARCADIS, Midland, TX
Eunice Project-N. Eunice

Sample Id: **DUP01** Matrix: Water Sample Depth:

Lab Sample Id: 621300-010 Date Collected: 04.16.2019 00:00 Date Received: 04.16.2019 18:30

Analytical Method: TPH By SW8015 Mod Prep Method: 1005

Analyst: ARM % Moist: Tech: ARM

Seq Number: 3086104 Date Prep: 04.17.2019 08:00

Prep seq: 7675991

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Gasoline Range Hydrocarbons	PHC610	<0.986	1.50	0.986	mg/L	04.17.2019 17:12	U	1
Diesel Range Organics	C10C28DRO	<0.911	1.50	0.911	mg/L	04.17.2019 17:12	U	1
Oil Range Hydrocarbons	PHCG2835	<0.911	1.50	0.911	mg/L	04.17.2019 17:12	U	1
Total TPH	PHC635	<0.911	1.50	0.911	mg/L	04.17.2019 17:12	U	1

Surrogate	% Recovery	Limits	Units	Analysis Date	Flag
1-Chlorooctane	104	70 - 135	%		
o-Terphenyl	106	70 - 135	%		

Analytical Method: BTEX by EPA 8021B Prep Method: 5030B

Analyst: SCM % Moist: Tech: SCM

Seq Number: 3086156 Date Prep: 04.17.2019 16:00

Prep seq: 7676070

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Benzene	71-43-2	<0.000408	0.00200	0.000408	mg/L	04.18.2019 08:50	U	1
Toluene	108-88-3	<0.000367	0.00200	0.000367	mg/L	04.18.2019 08:50	U	1
Ethylbenzene	100-41-4	<0.000657	0.00200	0.000657	mg/L	04.18.2019 08:50	U	1
m,p-Xylenes	179601-23-1	<0.000630	0.00400	0.000630	mg/L	04.18.2019 08:50	U	1
o-Xylene	95-47-6	<0.000642	0.00200	0.000642	mg/L	04.18.2019 08:50	U	1
Total Xylenes	1330-20-7	<0.000630	0.00200	0.000630	mg/L	04.18.2019 08:50	U	1
Total BTEX		<0.000367	0.00200	0.000367	mg/L	04.18.2019 08:50	U	1

Surrogate	% Recovery	Limits	Units	Analysis Date	Flag
1,4-Difluorobenzene	101	70 - 130	%		
4-Bromofluorobenzene	111	70 - 130	%		

Certificate of Analytical Results
621300
ARCADIS, Midland, TX
Eunice Project-N. Eunice

Sample Id: **MW019A** Matrix: Water Sample Depth:

Lab Sample Id: 621300-011 Date Collected: 04.16.2019 12:55 Date Received: 04.16.2019 18:30

Analytical Method: Chloride by EPA 300 Prep Method: E300P

Analyst: CHE % Moist: Tech: CHE

Seq Number: 3086646 Date Prep: 04.23.2019 11:00

Prep seq: 7676334

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Chloride	16887-00-6	**303**	5.00	0.858	mg/L	04.23.2019 16:05		10

Analytical Method: TDS by SM2540C Prep Method:

Analyst: SPC % Moist: Tech: SPC

Seq Number: 3086383 Date Prep:

Prep seq:

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Total Dissolved Solids	1642222	**1110**	5.00	5.00	mg/L	04.19.2019 15:00		1

Analytical Method: Dissolved Metals by SW6020A Prep Method: 3010A

Analyst: DEP % Moist: Tech: DEP

Seq Number: 3086431 Date Prep: 04.19.2019 08:10

Subcontractor: SUB: T104704215-19-29 Prep seq: 7676123

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Arsenic	7440-38-2	**0.00627**	0.00400	0.000246	mg/L	04.19.2019 21:59		1
Chromium	7440-47-3	**0.000853**	0.00400	0.000525	mg/L	04.19.2019 21:59	J	1
Iron	7439-89-6	**0.0538**	0.100	0.0227	mg/L	04.19.2019 21:59	J	1
Manganese	7439-96-5	**0.0179**	0.00200	0.000199	mg/L	04.19.2019 21:59		1

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

Analyst: SPC % Moist: Tech: SPC

Seq Number: 3086374 Date Prep:

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	04.17.2019 08:31	U	1

Certificate of Analytical Results
621300

ARCADIS, Midland, TX

Eunice Project-N. Eunice

Sample Id: **MW018** Matrix: Water Sample Depth:

Lab Sample Id: 621300-012 Date Collected: 04.16.2019 13:17 Date Received: 04.16.2019 18:30

Analytical Method: Chloride by EPA 300 Prep Method: E300P

Analyst: CHE % Moist: Tech: CHE

Seq Number: 3086646 Date Prep: 04.23.2019 11:00

Prep seq: 7676334

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Chloride	16887-00-6	**455**	5.00	0.858	mg/L	04.23.2019 16:12		10

Analytical Method: TDS by SM2540C Prep Method:

Analyst: SPC % Moist: Tech: SPC

Seq Number: 3086383 Date Prep:

Prep seq:

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Total Dissolved Solids	1642222	**1600**	5.00	5.00	mg/L	04.19.2019 15:00		1

Analytical Method: Dissolved Metals by SW6020A Prep Method: 3010A

Analyst: DEP % Moist: Tech: DEP

Seq Number: 3086431 Date Prep: 04.19.2019 08:10

Subcontractor: SUB: T104704215-19-29 Prep seq: 7676123

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Arsenic	7440-38-2	**0.0124**	0.00400	0.000246	mg/L	04.19.2019 22:02		1
Chromium	7440-47-3	<0.000525	0.00400	0.000525	mg/L	04.19.2019 22:02	U	1
Iron	7439-89-6	**0.0574**	0.100	0.0227	mg/L	04.19.2019 22:02	J	1
Manganese	7439-96-5	**0.00194**	0.00200	0.000199	mg/L	04.19.2019 22:02	J	1

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

Analyst: SPC % Moist: Tech: SPC

Seq Number: 3086374 Date Prep:

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	04.17.2019 08:31	U	1

Certificate of Analytical Results
621300
ARCADIS, Midland, TX
Eunice Project-N. Eunice

Sample Id: **MW097P** Matrix: Water Sample Depth:

Lab Sample Id: 621300-013 Date Collected: 04.16.2019 13:45 Date Received: 04.16.2019 18:30

Analytical Method: Chloride by EPA 300 Prep Method: E300P

Analyst: CHE % Moist: Tech: CHE

Seq Number: 3086646 Date Prep: 04.23.2019 11:00

Prep seq: 7676334

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Chloride	16887-00-6	**1010**	25.0	4.29	mg/L	04.23.2019 16:18		50

Analytical Method: TDS by SM2540C Prep Method:

Analyst: SPC % Moist: Tech: SPC

Seq Number: 3086383 Date Prep:

Prep seq:

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Total Dissolved Solids	1642222	**3480**	5.00	5.00	mg/L	04.19.2019 15:00		1

Analytical Method: Dissolved Metals by SW6020A Prep Method: 3010A

Analyst: DEP % Moist: Tech: DEP

Seq Number: 3086431 Date Prep: 04.19.2019 08:10

Subcontractor: SUB: T104704215-19-29 Prep seq: 7676123

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Arsenic	7440-38-2	**0.0111**	0.0200	0.00123	mg/L	04.22.2019 13:25	JD J	5
Chromium	7440-47-3	**0.479**	0.0200	0.00262	mg/L	04.22.2019 13:25	D	5
Iron	7439-89-6	<0.114	0.500	0.114	mg/L	04.22.2019 13:25	UD U	5
Manganese	7439-96-5	**0.0557**	0.0100	0.000993	mg/L	04.22.2019 13:25	D	5

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

Analyst: SPC % Moist: Tech: SPC

Seq Number: 3086374 Date Prep:

Prep seq:

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Chromium, Hexavalent	18540-29-9	**0.360**	0.0100	0.00273	mg/L	04.17.2019 08:31		1

Certificate of Analytical Results
621300

ARCADIS, Midland, TX

Eunice Project-N. Eunice

Sample Id: **DUP03** Matrix: Water Sample Depth:

Lab Sample Id: 621300-014 Date Collected: 04.16.2019 00:00 Date Received: 04.16.2019 18:30

Analytical Method: Chloride by EPA 300 Prep Method: E300P

Analyst: CHE % Moist: Tech: CHE

Seq Number: 3086689 Date Prep: 04.23.2019 11:30

Prep seq: 7676336

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Chloride	16887-00-6	**1060**	10.0	1.72	mg/L	04.23.2019 16:37		20

Analytical Method: TDS by SM2540C Prep Method:

Analyst: CHE % Moist: Tech: CHE

Seq Number: 3086388 Date Prep:

Prep seq:

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Total Dissolved Solids	1642222	**2140**	5.00	5.00	mg/L	04.19.2019 16:00		1

Analytical Method: Dissolved Metals by SW6020A Prep Method: 3010A

Analyst: DEP % Moist: Tech: DEP

Seq Number: 3086431 Date Prep: 04.19.2019 08:10

Subcontractor: SUB: T104704215-19-29 Prep seq: 7676123

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Arsenic	7440-38-2	**0.0106**	0.0200	0.00123	mg/L	04.22.2019 13:34	JD J	5
Chromium	7440-47-3	**0.00511**	0.0200	0.00262	mg/L	04.22.2019 13:34	JD	5
Iron	7439-89-6	<0.114	0.500	0.114	mg/L	04.22.2019 13:34	UD U	5
Manganese	7439-96-5	**0.00123**	0.0100	0.000993	mg/L	04.22.2019 13:34	JD J	5

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

Analyst: SPC % Moist: Tech: SPC

Seq Number: 3086374 Date Prep:

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	04.17.2019 08:31	~~UK~~ U	1

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Chain of Custody

Work Order No: 602491

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:	Brett Krehbiel	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:	916-786-5382	Email:	brett.krehbiel@arcadis.com

Work Order Comments

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

Project Name:	Eunice Project-N. Eunice	Turn Around	
Project Number:		Routine ☒	
P.O. Number:		Rush:	
Sampler's Name:	Chas Holder	Due Date:	

SAMPLE RECEIPT		Temp Blank:	Yes No	Wet Ice:	Yes No
Temperature (°C):		Thermometer ID			
Received Intact:	Yes No				
Cooler Custody Seals:	Yes No N/A	Correction Factor:			
Sample Custody Seals:	Yes No N/A	Total Containers:			

ANALYSIS REQUEST

Sample Identification	Matrix	Date Sampled	Time Sampled	Depth	Number of Containers	BTEX (SW8021)	TPH (SW8015)	Hex Chrome (SW7196A)	Dissolved Metals (SW6020_DIS): Aresenic, Maganese, Iron & Chromium	TDS (SW2540)	Chlorides (E300)
~~MW040A~~ MW090SA	W	4-17	0746		3			✓	✓	✓	✓
MW089SA	W	4-17	0800		3			✓	✓	✓	✓
MW007A	W	4-17	0816		3			✓	✓	✓	✓
MW047	W	4-17	0832		3			✓	✓	✓	✓
MW001	W	4-17	0853		8	✓	✓	✓	✓	✓	✓
MW002A	W	4-17	0922		3	✓		✓	✓	✓	✓
MW046A	W	4-17	0950		8	✓	✓	✓	✓	✓	✓
MW045	W	4-17	1008		8	✓	✓	✓	✓	✓	✓
MW012M	W	4-17	1218		3			✓	✓	✓	✓
MW088M	W	4-17	1229		3			✓	✓	✓	✓

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	Winston	4/17/19 16:48	4		4/17/19
3			6		
5					

Revised Date 051418 Rev. 2018.1

Received by OCD: 3/25/2020 3:45:40 PM
Final 1.004
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Released to Imaging: 6/14/2022 10:44:20 AM

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Chain of Custody

Work Order No: 621481

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:	Brett Krehbiel	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:	916-786-5382	Email:	brett.krehbiel@arcadis.com

Work Order Comments

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

Project Name:	Eunice Project-N. Eunice	Turn Around	
Project Number:		Routine	☒
P.O. Number:		Rush:	
Sampler's Name:	Chas Holder	Due Date:	

SAMPLE RECEIPT	Temp Blank:	Yes No	Wet Ice:	Yes No
Temperature (°C):		Thermometer ID		
Received Intact:	Yes No			
Cooler Custody Seals:	Yes No N/A	Correction Factor:		
Sample Custody Seals:	Yes No N/A	Total Containers:		

Sample Identification	Matrix	Date Sampled	Time Sampled	Depth	Number of Containers	BTEX (SW8021)	TPH (SW8015)	Hex Chrome (SW7196A)	Dissolved Metals (SW6020_DIS): Arsenic, Maganese, Iron & Chromium	TDS (SW2540)	Chlorides (E300)
MW087A	W	4-17	1246		3			✓	✓	✓	✓
MW008m	W	4-17	1257					✓	✓	✓	✓
MW011A	W	4-17	1313					✓	✓	✓	✓
MW057SA	W	4-17	1334					✓	✓	✓	✓
Dup 05	W	4-17	—		8	✓	✓	✓	✓	✓	✓

Work Order Notes

TAT starts the day received 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	Winston Nee	4/17/19 16:45	2		4/17/19 18:00
3			4		
5			6		

Revised Date 051418 Rev. 2018.1

Received by OCD: 3/25/2020 3:45:40 PM
Released to Imaging: 6/14/2022 10:44:20 AM
Final 1.004
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Certificate of Analytical Results
621481
ARCADIS, Midland, TX
Eunice Project-N. Eunice

Sample Id: **MW090SA** Matrix: Water Sample Depth:

Lab Sample Id: 621481-001 Date Collected: 04.17.2019 07:46 Date Received: 04.17.2019 19:00

Analytical Method: Chloride by EPA 300 Prep Method: E300P

Analyst: CHE % Moist: Tech: CHE

Seq Number: 3086689 Date Prep: 04.23.2019 11:30

Prep seq: 7676336

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Chloride	16887-00-6	**520**	10.0	1.72	mg/L	04.23.2019 16:44		20

Analytical Method: TDS by SM2540C Prep Method:

Analyst: CHE % Moist: Tech: CHE

Seq Number: 3086388 Date Prep:

Prep seq:

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Total Dissolved Solids	1642222	**2210**	5.00	5.00	mg/L	04.19.2019 16:00		1

Analytical Method: Dissolved Metals by SW6020A Prep Method: 3010A

Analyst: DEP % Moist: Tech: DEP

Seq Number: 3086717 Date Prep: 04.23.2019 08:50

Subcontractor: SUB: T104704215-19-29 Prep seq: 7676321

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Arsenic	7440-38-2	**0.00960**	0.00400	0.000246	mg/L	04.24.2019 12:26		1
Chromium	7440-47-3	**0.265**	0.00400	0.000525	mg/L	04.26.2019 21:48		1
Iron	7439-89-6	<0.0227	0.100	0.0227	mg/L	04.24.2019 12:26	U	1
Manganese	7439-96-5	**0.000728**	0.00200	0.000199	mg/L	04.24.2019 12:26	J	1

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

Analyst: SCM % Moist: Tech: SCM

Seq Number: 3086885 Date Prep:

Prep seq:

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Chromium, Hexavalent	18540-29-9	**0.310**	0.0100	0.00273	mg/L	04.18.2019 08:01	~~K~~	1

Certificate of Analytical Results
621481
ARCADIS, Midland, TX
Eunice Project-N. Eunice

Sample Id: **MW089SA** Matrix: Water Sample Depth:

Lab Sample Id: 621481-002 Date Collected: 04.17.2019 08:00 Date Received: 04.17.2019 19:00

Analytical Method: Chloride by EPA 300 Prep Method: E300P

Analyst: CHE % Moist: Tech: CHE

Seq Number: 3086689 Date Prep: 04.23.2019 11:30

Prep seq: 7676336

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Chloride	16887-00-6	**934**	25.0	4.29	mg/L	04.23.2019 16:51		50

Analytical Method: TDS by SM2540C Prep Method:

Analyst: CHE % Moist: Tech: CHE

Seq Number: 3086388 Date Prep:

Prep seq:

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Total Dissolved Solids	1642222	**4260**	5.00	5.00	mg/L	04.19.2019 16:00		1

Analytical Method: Dissolved Metals by SW6020A Prep Method: 3010A

Analyst: DEP % Moist: Tech: DEP

Seq Number: 3086717 Date Prep: 04.23.2019 08:50

Subcontractor: SUB: T104704215-19-29 Prep seq: 7676321

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Arsenic	7440-38-2	**0.0107**	0.00400	0.000246	mg/L	04.24.2019 13:07		1
Chromium	7440-47-3	**1.10**	0.0400	0.00525	mg/L	04.24.2019 14:05	~~D~~	10
Iron	7439-89-6	<0.227	1.00	0.227	mg/L	04.24.2019 14:05	U~~D~~	10
Manganese	7439-96-5	**0.00835**	0.00200	0.000199	mg/L	04.24.2019 13:07		1

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

Analyst: SCM % Moist: Tech: SCM

Seq Number: 3086885 Date Prep:

Prep seq:

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Chromium, Hexavalent	18540-29-9	**1.06**	0.200	0.0545	mg/L	04.18.2019 08:01	~~K~~	20

Certificate of Analytical Results
621481
ARCADIS, Midland, TX
Eunice Project-N. Eunice

Sample Id: **MW007A** Matrix: Water Sample Depth:

Lab Sample Id: 621481-003 Date Collected: 04.17.2019 08:16 Date Received: 04.17.2019 19:00

Analytical Method: Chloride by EPA 300 Prep Method: E300P

Analyst: CHE % Moist: Tech: CHE

Seq Number: 3086689 Date Prep: 04.23.2019 11:30

Prep seq: 7676336

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Chloride	16887-00-6	**792**	10.0	1.72	mg/L	04.23.2019 17:16		20

Analytical Method: TDS by SM2540C Prep Method:

Analyst: CHE % Moist: Tech: CHE

Seq Number: 3086388 Date Prep:

Prep seq:

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Total Dissolved Solids	1642222	**3350**	5.00	5.00	mg/L	04.19.2019 16:00		1

Analytical Method: Dissolved Metals by SW6020A Prep Method: 3010A

Analyst: DEP % Moist: Tech: DEP

Seq Number: 3086717 Date Prep: 04.23.2019 08:50

Subcontractor: SUB: T104704215-19-29 Prep seq: 7676321

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Arsenic	7440-38-2	**0.0109**	0.00400	0.000246	mg/L	04.24.2019 13:10		1
Chromium	7440-47-3	**0.711**	0.0400	0.00525	mg/L	04.24.2019 14:08	~~D~~	10
Iron	7439-89-6	<0.227	1.00	0.227	mg/L	04.24.2019 14:08	U~~D~~	10
Manganese	7439-96-5	**0.000644**	0.00200	0.000199	mg/L	04.24.2019 13:10	J	1

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

Analyst: SCM % Moist: Tech: SCM

Seq Number: 3086885 Date Prep:

Prep seq:

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Chromium, Hexavalent	18540-29-9	**0.660**	0.200	0.0545	mg/L	04.18.2019 08:01		20

Certificate of Analytical Results
621481
ARCADIS, Midland, TX
Eunice Project-N. Eunice

Sample Id: **MW047** Matrix: Water Sample Depth:

Lab Sample Id: 621481-004 Date Collected: 04.17.2019 08:32 Date Received: 04.17.2019 19:00

Analytical Method: Chloride by EPA 300 Prep Method: E300P

Analyst: CHE % Moist: Tech: CHE

Seq Number: 3086689 Date Prep: 04.23.2019 11:30

Prep seq: 7676336

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Chloride	16887-00-6	**272**	5.00	0.858	mg/L	04.23.2019 17:40		10

Analytical Method: TDS by SM2540C Prep Method:

Analyst: CHE % Moist: Tech: CHE

Seq Number: 3086388 Date Prep:

Prep seq:

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Total Dissolved Solids	1642222	**968**	5.00	5.00	mg/L	04.19.2019 16:00		1

Analytical Method: Dissolved Metals by SW6020A Prep Method: 3010A

Analyst: DEP % Moist: Tech: DEP

Seq Number: 3086717 Date Prep: 04.23.2019 08:50

Subcontractor: SUB: T104704215-19-29 Prep seq: 7676321

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Arsenic	7440-38-2	**0.0116**	0.00400	0.000246	mg/L	04.24.2019 13:12		1
Chromium	7440-47-3	**0.0809**	0.00400	0.000525	mg/L	04.24.2019 13:12		1
Iron	7439-89-6	**0.0228**	0.100	0.0227	mg/L	04.24.2019 16:50	J	1
Manganese	7439-96-5	**0.000519**	0.00200	0.000199	mg/L	04.24.2019 13:12	J	1

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

Analyst: SCM % Moist: Tech: SCM

Seq Number: 3086885 Date Prep:

Prep seq:

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Chromium, Hexavalent	18540-29-9	**0.0709**	0.0100	0.00273	mg/L	04.18.2019 08:01		1

Certificate of Analytical Results
621481
ARCADIS, Midland, TX
Eunice Project-N. Eunice

Sample Id: **MW001** Matrix: Water Sample Depth:

Lab Sample Id: 621481-005 Date Collected: 04.17.2019 08:53 Date Received: 04.17.2019 19:00

Analytical Method: Chloride by EPA 300 Prep Method: E300P

Analyst: CHE % Moist: Tech: CHE

Seq Number: 3086689 Date Prep: 04.23.2019 11:30

Prep seq: 7676336

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Chloride	16887-00-6	**451**	10.0	1.72	mg/L	04.23.2019 17:47		20

Analytical Method: TDS by SM2540C Prep Method:

Analyst: CHE % Moist: Tech: CHE

Seq Number: 3086388 Date Prep:

Prep seq:

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Total Dissolved Solids	1642222	**2570**	5.00	5.00	mg/L	04.19.2019 16:00		1

Analytical Method: Dissolved Metals by SW6020A Prep Method: 3010A

Analyst: DEP % Moist: Tech: DEP

Seq Number: 3086717 Date Prep: 04.23.2019 08:50

Subcontractor: SUB: T104704215-19-29 Prep seq: 7676321

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Arsenic	7440-38-2	**0.00174**	0.00400	0.000246	mg/L	04.24.2019 13:15	J	1
Chromium	7440-47-3	**0.00142**	0.00400	0.000525	mg/L	04.24.2019 13:15	J	1
Iron	7439-89-6	<0.0227	0.100	0.0227	mg/L	04.24.2019 16:53	U	1
Manganese	7439-96-5	**0.858**	0.00200	0.000199	mg/L	04.24.2019 13:15		1

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

Analyst: SCM % Moist: Tech: SCM

Seq Number: 3086885 Date Prep:

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	04.18.2019 08:01	U	1

Certificate of Analytical Results
621481
ARCADIS, Midland, TX
Eunice Project-N. Eunice

Sample Id: **MW001** Matrix: Water Sample Depth:

Lab Sample Id: 621481-005 Date Collected: 04.17.2019 08:53 Date Received: 04.17.2019 19:00

Analytical Method: TPH By SW8015 Mod Prep Method: 1005

Analyst: ARM % Moist: Tech: ARM

Seq Number: 3086492 Date Prep: 04.21.2019 08:00

Prep seq: 7676242

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Gasoline Range Hydrocarbons	PHC610	<0.986	1.50	0.986	mg/L	04.21.2019 09:50	U	1
Diesel Range Organics	C10C28DRO	<0.911	1.50	0.911	mg/L	04.21.2019 09:50	U	1
Oil Range Hydrocarbons	PHCG2835	<0.911	1.50	0.911	mg/L	04.21.2019 09:50	U	1
Total TPH	PHC635	<0.911	1.50	0.911	mg/L	04.21.2019 09:50	U	1

Surrogate	% Recovery	Limits	Units	Analysis Date	Flag
1-Chlorooctane	104	70 - 135	%		
o-Terphenyl	106	70 - 135	%		

Analytical Method: BTEX by EPA 8021B Prep Method: 5030B

Analyst: SCM % Moist: Tech: SCM

Seq Number: 3086556 Date Prep: 04.22.2019 14:45

Prep seq: 7676301

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Benzene	71-43-2	<0.000408	0.00200	0.000408	mg/L	04.22.2019 20:01	U	1
Toluene	108-88-3	<0.000367	0.00200	0.000367	mg/L	04.22.2019 20:01	U	1
Ethylbenzene	100-41-4	<0.000657	0.00200	0.000657	mg/L	04.22.2019 20:01	U	1
m,p-Xylenes	179601-23-1	<0.000630	0.00400	0.000630	mg/L	04.22.2019 20:01	U	1
o-Xylene	95-47-6	<0.000642	0.00200	0.000642	mg/L	04.22.2019 20:01	U	1
Total Xylenes	1330-20-7	<0.000630	0.00200	0.000630	mg/L	04.22.2019 20:01	U	1
Total BTEX		<0.000367	0.00200	0.000367	mg/L	04.22.2019 20:01	U	1

Surrogate	% Recovery	Limits	Units	Analysis Date	Flag
1,4-Difluorobenzene	106	70 - 130	%		
4-Bromofluorobenzene	102	70 - 130	%		

Certificate of Analytical Results
621481
ARCADIS, Midland, TX
Eunice Project-N. Eunice

Sample Id: **MW002A** Matrix: Water Sample Depth:

Lab Sample Id: 621481-006 Date Collected: 04.17.2019 09:22 Date Received: 04.17.2019 19:00

Analytical Method: Chloride by EPA 300 Prep Method: E300P

Analyst: CHE % Moist: Tech: CHE

Seq Number: 3086689 Date Prep: 04.23.2019 11:30

Prep seq: 7676336

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Chloride	16887-00-6	**1430**	25.0	4.29	mg/L	04.23.2019 17:55		50

Analytical Method: TDS by SM2540C Prep Method:

Analyst: CHE % Moist: Tech: CHE

Seq Number: 3086388 Date Prep:

Prep seq:

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Total Dissolved Solids	1642222	**3420**	5.00	5.00	mg/L	04.19.2019 16:00		1

Analytical Method: Dissolved Metals by SW6020A Prep Method: 3010A

Analyst: DEP % Moist: Tech: DEP

Seq Number: 3086717 Date Prep: 04.23.2019 08:50

Subcontractor: SUB: T104704215-19-29 Prep seq: 7676321

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Arsenic	7440-38-2	**0.0193**	0.00400	0.000246	mg/L	04.24.2019 13:18		1
Chromium	7440-47-3	**0.889**	0.0400	0.00525	mg/L	04.24.2019 14:11	~~D~~	10
Iron	7439-89-6	<0.227	1.00	0.227	mg/L	04.24.2019 14:11	U~~D~~	10
Manganese	7439-96-5	**0.0201**	0.00200	0.000199	mg/L	04.24.2019 13:18		1

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

Analyst: SCM % Moist: Tech: SCM

Seq Number: 3086885 Date Prep:

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	04.18.2019 08:01	J	1

Certificate of Analytical Results
621481
ARCADIS, Midland, TX
Eunice Project-N. Eunice

Sample Id: **MW046A** Matrix: Water Sample Depth:

Lab Sample Id: 621481-007 Date Collected: 04.17.2019 09:50 Date Received: 04.17.2019 19:00

Analytical Method: Chloride by EPA 300 Prep Method: E300P

Analyst: CHE % Moist: Tech: CHE

Seq Number: 3086689 Date Prep: 04.23.2019 11:30

Prep seq: 7676336

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Chloride	16887-00-6	**745**	10.0	1.72	mg/L	04.23.2019 18:02		20

Analytical Method: TDS by SM2540C Prep Method:

Analyst: CHE % Moist: Tech: CHE

Seq Number: 3086388 Date Prep:

Prep seq:

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Total Dissolved Solids	1642222	**3260**	5.00	5.00	mg/L	04.19.2019 16:00		1

Analytical Method: Dissolved Metals by SW6020A Prep Method: 3010A

Analyst: DEP % Moist: Tech: DEP

Seq Number: 3086717 Date Prep: 04.23.2019 08:50

Subcontractor: SUB: T104704215-19-29 Prep seq: 7676321

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Arsenic	7440-38-2	**0.0103**	0.00400	0.000246	mg/L	04.24.2019 13:21		1
Chromium	7440-47-3	**1.49**	0.0400	0.00525	mg/L	04.24.2019 14:13	~~D~~	10
Iron	7439-89-6	<0.227	1.00	0.227	mg/L	04.24.2019 14:13	U~~D~~	10
Manganese	7439-96-5	**0.00333**	0.00200	0.000199	mg/L	04.24.2019 13:21		1

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

Analyst: SCM % Moist: Tech: SCM

Seq Number: 3086885 Date Prep:

Prep seq:

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Chromium, Hexavalent	18540-29-9	**1.73**	0.200	0.0545	mg/L	04.18.2019 08:01		20

Certificate of Analytical Results
621481
ARCADIS, Midland, TX
Eunice Project-N. Eunice

Sample Id: **MW046A** Matrix: Water Sample Depth:

Lab Sample Id: 621481-007 Date Collected: 04.17.2019 09:50 Date Received: 04.17.2019 19:00

Analytical Method: TPH By SW8015 Mod Prep Method: 1005

Analyst: ARM % Moist: Tech: ARM

Seq Number: 3086492 Date Prep: 04.21.2019 08:00

Prep seq: 7676242

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Gasoline Range Hydrocarbons	PHC610	<0.987	1.50	0.987	mg/L	04.21.2019 10:48	U	1
Diesel Range Organics	C10C28DRO	<0.911	1.50	0.911	mg/L	04.21.2019 10:48	U	1
Oil Range Hydrocarbons	PHCG2835	<0.911	1.50	0.911	mg/L	04.21.2019 10:48	U	1
Total TPH	PHC635	<0.911	1.50	0.911	mg/L	04.21.2019 10:48	U	1

Surrogate	% Recovery	Limits	Units	Analysis Date	Flag
1-Chlorooctane	110	70 - 135	%		
o-Terphenyl	110	70 - 135	%		

Analytical Method: BTEX by EPA 8021B Prep Method: 5030B

Analyst: SCM % Moist: Tech: SCM

Seq Number: 3086556 Date Prep: 04.22.2019 14:45

Prep seq: 7676301

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Benzene	71-43-2	<0.000408	0.00200	0.000408	mg/L	04.22.2019 20:20	U	1
Toluene	108-88-3	<0.000367	0.00200	0.000367	mg/L	04.22.2019 20:20	U	1
Ethylbenzene	100-41-4	<0.000657	0.00200	0.000657	mg/L	04.22.2019 20:20	U	1
m,p-Xylenes	179601-23-1	<0.000630	0.00400	0.000630	mg/L	04.22.2019 20:20	U	1
o-Xylene	95-47-6	<0.000642	0.00200	0.000642	mg/L	04.22.2019 20:20	U	1
Total Xylenes	1330-20-7	<0.000630	0.00200	0.000630	mg/L	04.22.2019 20:20	U	1
Total BTEX		<0.000367	0.00200	0.000367	mg/L	04.22.2019 20:20	U	1

Surrogate	% Recovery	Limits	Units	Analysis Date	Flag
1,4-Difluorobenzene	105	70 - 130	%		
4-Bromofluorobenzene	99	70 - 130	%		

Certificate of Analytical Results
621481
ARCADIS, Midland, TX
Eunice Project-N. Eunice

Sample Id: **MW045** Matrix: Water Sample Depth:

Lab Sample Id: 621481-008 Date Collected: 04.17.2019 10:08 Date Received: 04.17.2019 19:00

Analytical Method: Chloride by EPA 300 Prep Method: E300P

Analyst: CHE % Moist: Tech: CHE

Seq Number: 3086689 Date Prep: 04.23.2019 11:30

Prep seq: 7676336

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Chloride	16887-00-6	**76.0**	5.00	0.858	mg/L	04.23.2019 18:09		10

Analytical Method: TDS by SM2540C Prep Method:

Analyst: CHE % Moist: Tech: CHE

Seq Number: 3086388 Date Prep:

Prep seq:

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Total Dissolved Solids	1642222	**1460**	5.00	5.00	mg/L	04.19.2019 16:00		1

Analytical Method: Dissolved Metals by SW6020A Prep Method: 3010A

Analyst: DEP % Moist: Tech: DEP

Seq Number: 3086717 Date Prep: 04.23.2019 08:50

Subcontractor: SUB: T104704215-19-29 Prep seq: 7676321

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Arsenic	7440-38-2	**0.00232**	0.00400	0.000246	mg/L	04.24.2019 13:24	J	1
Chromium	7440-47-3	**0.0120**	0.00400	0.000525	mg/L	04.24.2019 13:24		1
Iron	7439-89-6	**0.0767**	0.100	0.0227	mg/L	04.24.2019 17:02	J	1
Manganese	7439-96-5	**0.0782**	0.00200	0.000199	mg/L	04.24.2019 13:24		1

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

Analyst: SCM % Moist: Tech: SCM

Seq Number: 3086885 Date Prep:

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	04.18.2019 08:01	U	1

Certificate of Analytical Results
621481
ARCADIS, Midland, TX
Eunice Project-N. Eunice

Sample Id: **MW045** Matrix: Water Sample Depth:

Lab Sample Id: 621481-008 Date Collected: 04.17.2019 10:08 Date Received: 04.17.2019 19:00

Analytical Method: TPH By SW8015 Mod Prep Method: 1005

Analyst: ARM % Moist: Tech: ARM

Seq Number: 3086492 Date Prep: 04.21.2019 08:00

Prep seq: 7676242

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Gasoline Range Hydrocarbons	PHC610	<0.987	1.50	0.987	mg/L	04.21.2019 11:08	U	1
Diesel Range Organics	C10C28DRO	<0.912	1.50	0.912	mg/L	04.21.2019 11:08	U	1
Oil Range Hydrocarbons	PHCG2835	<0.912	1.50	0.912	mg/L	04.21.2019 11:08	U	1
Total TPH	PHC635	<0.912	1.50	0.912	mg/L	04.21.2019 11:08	U	1

Surrogate	% Recovery	Limits	Units	Analysis Date	Flag
1-Chlorooctane	101	70 - 135	%		
o-Terphenyl	101	70 - 135	%		

Analytical Method: BTEX by EPA 8021B Prep Method: 5030B

Analyst: SCM % Moist: Tech: SCM

Seq Number: 3086556 Date Prep: 04.22.2019 14:45

Prep seq: 7676301

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Benzene	71-43-2	<0.000408	0.00200	0.000408	mg/L	04.22.2019 19:41	U	1
Toluene	108-88-3	<0.000367	0.00200	0.000367	mg/L	04.22.2019 19:41	U	1
Ethylbenzene	100-41-4	<0.000657	0.00200	0.000657	mg/L	04.22.2019 19:41	U	1
m,p-Xylenes	179601-23-1	<0.000630	0.00400	0.000630	mg/L	04.22.2019 19:41	U	1
o-Xylene	95-47-6	<0.000642	0.00200	0.000642	mg/L	04.22.2019 19:41	U	1
Total Xylenes	1330-20-7	<0.000630	0.00200	0.000630	mg/L	04.22.2019 19:41	U	1
Total BTEX		<0.000367	0.00200	0.000367	mg/L	04.22.2019 19:41	U	1

Surrogate	% Recovery	Limits	Units	Analysis Date	Flag
1,4-Difluorobenzene	107	70 - 130	%		
4-Bromofluorobenzene	104	70 - 130	%		

Certificate of Analytical Results
621481
ARCADIS, Midland, TX
Eunice Project-N. Eunice

Sample Id: **MW012M** Matrix: Water Sample Depth:

Lab Sample Id: 621481-009 Date Collected: 04.17.2019 12:18 Date Received: 04.17.2019 19:00

Analytical Method: Chloride by EPA 300 Prep Method: E300P

Analyst: CHE % Moist: Tech: CHE

Seq Number: 3086689 Date Prep: 04.23.2019 11:30

Prep seq: 7676336

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Chloride	16887-00-6	**800**	25.0	4.29	mg/L	04.23.2019 18:41		50

Analytical Method: TDS by SM2540C Prep Method:

Analyst: CHE % Moist: Tech: CHE

Seq Number: 3086388 Date Prep:

Prep seq:

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Total Dissolved Solids	1642222	**3130**	5.00	5.00	mg/L	04.19.2019 16:00		1

Analytical Method: Dissolved Metals by SW6020A Prep Method: 3010A

Analyst: DEP % Moist: Tech: DEP

Seq Number: 3086717 Date Prep: 04.23.2019 08:50

Subcontractor: SUB: T104704215-19-29 Prep seq: 7676321

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Arsenic	7440-38-2	**0.0652**	0.00400	0.000246	mg/L	04.24.2019 13:27		1
Chromium	7440-47-3	**0.0306**	0.00400	0.000525	mg/L	04.24.2019 13:27		1
Iron	7439-89-6	**3.94**	0.100	0.0227	mg/L	04.24.2019 16:39		1
Manganese	7439-96-5	**0.0507**	0.00200	0.000199	mg/L	04.24.2019 13:27		1

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

Analyst: SCM % Moist: Tech: SCM

Seq Number: 3086885 Date Prep:

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	04.18.2019 08:01	U	1

Certificate of Analytical Results
621481
ARCADIS, Midland, TX
Eunice Project-N. Eunice

Sample Id: **MW088M** Matrix: Water Sample Depth:

Lab Sample Id: 621481-010 Date Collected: 04.17.2019 12:29 Date Received: 04.17.2019 19:00

Analytical Method: Chloride by EPA 300 Prep Method: E300P

Analyst: CHE % Moist: Tech: CHE

Seq Number: 3086689 Date Prep: 04.23.2019 11:30

Prep seq: 7676336

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Chloride	16887-00-6	**957**	25.0	4.29	mg/L	04.23.2019 18:49		50

Analytical Method: TDS by SM2540C Prep Method:

Analyst: CHE % Moist: Tech: CHE

Seq Number: 3086388 Date Prep:

Prep seq:

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Total Dissolved Solids	1642222	**3690**	5.00	5.00	mg/L	04.19.2019 16:00		1

Analytical Method: Dissolved Metals by SW6020A Prep Method: 3010A

Analyst: DEP % Moist: Tech: DEP

Seq Number: 3086717 Date Prep: 04.23.2019 08:50

Subcontractor: SUB: T104704215-19-29 Prep seq: 7676321

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Arsenic	7440-38-2	**0.0217**	0.00400	0.000246	mg/L	04.24.2019 13:29		1
Chromium	7440-47-3	**0.138**	0.00400	0.000525	mg/L	04.24.2019 13:29		1
Iron	7439-89-6	**1.72**	2.00	0.455	mg/L	04.24.2019 13:59	~~JD~~ J	20
Manganese	7439-96-5	**1.26**	0.0400	0.00397	mg/L	04.24.2019 13:59	~~D~~	20

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

Analyst: SCM % Moist: Tech: SCM

Seq Number: 3086885 Date Prep:

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	04.18.2019 08:01	U	1

Certificate of Analytical Results
621481
ARCADIS, Midland, TX
Eunice Project-N. Eunice

Sample Id: **MW087A** Matrix: Water Sample Depth:

Lab Sample Id: 621481-011 Date Collected: 04.17.2019 12:46 Date Received: 04.17.2019 19:00

Analytical Method: Chloride by EPA 300 Prep Method: E300P

Analyst: CHE % Moist: Tech: CHE

Seq Number: 3086689 Date Prep: 04.23.2019 11:30

Prep seq: 7676336

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Chloride	16887-00-6	**1190**	25.0	4.29	mg/L	04.23.2019 19:13		50

Analytical Method: TDS by SM2540C Prep Method:

Analyst: CHE % Moist: Tech: CHE

Seq Number: 3086388 Date Prep:

Prep seq:

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Total Dissolved Solids	1642222	**3840**	5.00	5.00	mg/L	04.19.2019 16:00		1

Analytical Method: Dissolved Metals by SW6020A Prep Method: 3010A

Analyst: DEP % Moist: Tech: DEP

Seq Number: 3086717 Date Prep: 04.23.2019 08:50

Subcontractor: SUB: T104704215-19-29 Prep seq: 7676321

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Arsenic	7440-38-2	**0.00120**	0.00400	0.000246	mg/L	04.24.2019 13:38	J	1
Chromium	7440-47-3	**0.0423**	0.00400	0.000525	mg/L	04.24.2019 13:38		1
Iron	7439-89-6	**3.56**	0.100	0.0227	mg/L	04.24.2019 17:10		1
Manganese	7439-96-5	**0.185**	0.00200	0.000199	mg/L	04.24.2019 13:38		1

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

Analyst: SCM % Moist: Tech: SCM

Seq Number: 3086888 Date Prep:

Prep seq:

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Chromium, Hexavalent	18540-29-9	**0.00490**	0.0100	0.00273	mg/L	04.18.2019 08:55	J	1

Certificate of Analytical Results
621481
ARCADIS, Midland, TX
Eunice Project-N. Eunice

Sample Id: **MW008M** Matrix: Water Sample Depth:

Lab Sample Id: 621481-012 Date Collected: 04.17.2019 12:57 Date Received: 04.17.2019 19:00

Analytical Method: Chloride by EPA 300 Prep Method: E300P

Analyst: CHE % Moist: Tech: CHE

Seq Number: 3086689 Date Prep: 04.23.2019 11:30

Prep seq: 7676336

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Chloride	16887-00-6	**1350**	25.0	4.29	mg/L	04.23.2019 19:20		50

Analytical Method: TDS by SM2540C Prep Method:

Analyst: CHE % Moist: Tech: CHE

Seq Number: 3086388 Date Prep:

Prep seq:

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Total Dissolved Solids	1642222	**5040**	5.00	5.00	mg/L	04.19.2019 16:00		1

Analytical Method: Dissolved Metals by SW6020A Prep Method: 3010A

Analyst: DEP % Moist: Tech: DEP

Seq Number: 3086717 Date Prep: 04.23.2019 08:50

Subcontractor: SUB: T104704215-19-29 Prep seq: 7676321

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Arsenic	7440-38-2	**0.00329**	0.00400	0.000246	mg/L	04.24.2019 13:41	J	1
Chromium	7440-47-3	**0.00710**	0.00400	0.000525	mg/L	04.24.2019 13:41		1
Iron	7439-89-6	**35.9**	2.00	0.455	mg/L	04.24.2019 14:02	~~D~~	20
Manganese	7439-96-5	**2.95**	0.0400	0.00397	mg/L	04.24.2019 14:02	~~D~~	20

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

Analyst: SCM % Moist: Tech: SCM

Seq Number: 3086888 Date Prep:

Prep seq:

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Chromium, Hexavalent	18540-29-9	**0.00430**	0.0100	0.00273	mg/L	04.18.2019 08:55	J	1

Certificate of Analytical Results
621481
ARCADIS, Midland, TX
Eunice Project-N. Eunice

Sample Id: **MW011A** Matrix: Water Sample Depth:

Lab Sample Id: 621481-013 Date Collected: 04.17.2019 13:13 Date Received: 04.17.2019 19:00

Analytical Method: Chloride by EPA 300 Prep Method: E300P

Analyst: CHE % Moist: Tech: CHE

Seq Number: 3086689 Date Prep: 04.23.2019 11:30

Prep seq: 7676336

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Chloride	16887-00-6	**511**	10.0	1.72	mg/L	04.23.2019 19:27		20

Analytical Method: TDS by SM2540C Prep Method:

Analyst: CHE % Moist: Tech: CHE

Seq Number: 3086388 Date Prep:

Prep seq:

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Total Dissolved Solids	1642222	**1930**	5.00	5.00	mg/L	04.19.2019 16:00		1

Analytical Method: Dissolved Metals by SW6020A Prep Method: 3010A

Analyst: DEP % Moist: Tech: DEP

Seq Number: 3086717 Date Prep: 04.23.2019 08:50

Subcontractor: SUB: T104704215-19-29 Prep seq: 7676321

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Arsenic	7440-38-2	**0.0144**	0.00400	0.000246	mg/L	04.24.2019 13:50		1
Chromium	7440-47-3	**0.159**	0.00400	0.000525	mg/L	04.24.2019 13:50		1
Iron	7439-89-6	<0.0227	0.100	0.0227	mg/L	04.24.2019 13:50	U	1
Manganese	7439-96-5	**0.182**	0.00200	0.000199	mg/L	04.24.2019 13:50		1

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

Analyst: SCM % Moist: Tech: SCM

Seq Number: 3086888 Date Prep:

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	04.18.2019 08:55	U	1

Certificate of Analytical Results
621481
ARCADIS, Midland, TX
Eunice Project-N. Eunice

Sample Id: **MW056SA** Matrix: Water Sample Depth:

Lab Sample Id: 621481-014 Date Collected: 04.17.2019 13:34 Date Received: 04.17.2019 19:00

Analytical Method: Chloride by EPA 300 Prep Method: E300P

Analyst: CHE % Moist: Tech: CHE

Seq Number: 3086689 Date Prep: 04.23.2019 11:30

Prep seq: 7676336

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Chloride	16887-00-6	**1120**	25.0	4.29	mg/L	04.23.2019 19:34		50

Analytical Method: TDS by SM2540C Prep Method:

Analyst: CHE % Moist: Tech: CHE

Seq Number: 3086388 Date Prep:

Prep seq:

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Total Dissolved Solids	1642222	**3650**	5.00	5.00	mg/L	04.19.2019 16:00		1

Analytical Method: Dissolved Metals by SW6020A Prep Method: 3010A

Analyst: DEP % Moist: Tech: DEP

Seq Number: 3086717 Date Prep: 04.23.2019 08:50

Subcontractor: SUB: T104704215-19-29 Prep seq: 7676321

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Arsenic	7440-38-2	**0.0137**	0.00800	0.000492	mg/L	04.24.2019 17:13	D	2
Chromium	7440-47-3	**0.382**	0.00800	0.00105	mg/L	04.24.2019 17:13	D	2
Iron	7439-89-6	<0.0455	0.200	0.0455	mg/L	04.24.2019 17:13	UD U	2
Manganese	7439-96-5	**0.000420**	0.00400	0.000397	mg/L	04.24.2019 17:13	JD J	2

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

Analyst: SCM % Moist: Tech: SCM

Seq Number: 3086888 Date Prep:

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	04.18.2019 08:55	U	1

Certificate of Analytical Results
621481
ARCADIS, Midland, TX
Eunice Project-N. Eunice

Sample Id: **DUP05** Matrix: Water Sample Depth:

Lab Sample Id: 621481-015 Date Collected: 04.17.2019 00:00 Date Received: 04.17.2019 19:00

Analytical Method: Chloride by EPA 300 Prep Method: E300P

Analyst: CHE % Moist: Tech: CHE

Seq Number: 3086689 Date Prep: 04.23.2019 11:30

Prep seq: 7676336

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Chloride	16887-00-6	**77.3**	5.00	0.858	mg/L	04.23.2019 19:42		10

Analytical Method: TDS by SM2540C Prep Method:

Analyst: CHE % Moist: Tech: CHE

Seq Number: 3086388 Date Prep:

Prep seq:

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Total Dissolved Solids	1642222	**1400**	5.00	5.00	mg/L	04.19.2019 16:00		1

Analytical Method: Dissolved Metals by SW6020A Prep Method: 3010A

Analyst: DEP % Moist: Tech: DEP

Seq Number: 3086717 Date Prep: 04.23.2019 08:50

Subcontractor: SUB: T104704215-19-29 Prep seq: 7676321

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Arsenic	7440-38-2	**0.00221**	0.00400	0.000246	mg/L	04.24.2019 13:56	J	1
Chromium	7440-47-3	**0.0111**	0.00400	0.000525	mg/L	04.24.2019 13:56		1
Iron	7439-89-6	**0.0544**	0.100	0.0227	mg/L	04.24.2019 13:56	J	1
Manganese	7439-96-5	**0.0736**	0.00200	0.000199	mg/L	04.24.2019 13:56		1

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

Analyst: SCM % Moist: Tech: SCM

Seq Number: 3086888 Date Prep:

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	04.18.2019 08:55	~~UK~~ U	1

Certificate of Analytical Results
621481
ARCADIS, Midland, TX
Eunice Project-N. Eunice

Sample Id: **DUP05** Matrix: Water Sample Depth:

Lab Sample Id: 621481-015 Date Collected: 04.17.2019 00:00 Date Received: 04.17.2019 19:00

Analytical Method: TPH By SW8015 Mod Prep Method: 1005

Analyst: ARM % Moist: Tech: ARM

Seq Number: 3086492 Date Prep: 04.21.2019 08:00

Prep seq: 7676242

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Gasoline Range Hydrocarbons	PHC610	<0.986	1.50	0.986	mg/L	04.21.2019 11:27	U	1
Diesel Range Organics	C10C28DRO	<0.911	1.50	0.911	mg/L	04.21.2019 11:27	U	1
Oil Range Hydrocarbons	PHCG2835	<0.911	1.50	0.911	mg/L	04.21.2019 11:27	U	1
Total TPH	PHC635	<0.911	1.50	0.911	mg/L	04.21.2019 11:27	U	1

Surrogate	% Recovery	Limits	Units	Analysis Date	Flag
1-Chlorooctane	99	70 - 135	%		
o-Terphenyl	100	70 - 135	%		

Analytical Method: BTEX by EPA 8021B Prep Method: 5030B

Analyst: SCM % Moist: Tech: SCM

Seq Number: 3086556 Date Prep: 04.22.2019 14:45

Prep seq: 7676301

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Benzene	71-43-2	<0.000408	0.00200	0.000408	mg/L	04.22.2019 20:40	U	1
Toluene	108-88-3	<0.000367	0.00200	0.000367	mg/L	04.22.2019 20:40	U	1
Ethylbenzene	100-41-4	<0.000657	0.00200	0.000657	mg/L	04.22.2019 20:40	U	1
m,p-Xylenes	179601-23-1	<0.000630	0.00400	0.000630	mg/L	04.22.2019 20:40	U	1
o-Xylene	95-47-6	<0.000642	0.00200	0.000642	mg/L	04.22.2019 20:40	U	1
Total Xylenes	1330-20-7	<0.000630	0.00200	0.000630	mg/L	04.22.2019 20:40	U	1
Total BTEX		<0.000367	0.00200	0.000367	mg/L	04.22.2019 20:40	U	1

Surrogate	% Recovery	Limits	Units	Analysis Date	Flag
1,4-Difluorobenzene	106	70 - 130	%		
4-Bromofluorobenzene	98	70 - 130	%		

Analytical Report 620864

for

ARCADIS

Project Manager: Brett Krehbiel

Eunice Project- N. Eunice

B0048789

08.09.2019

Collected By: Client

1211 W. Florida Ave
Midland TX 79701

Xenco-Houston (EPA Lab Code: TX00122):
Texas (T104704215-19-29), Arizona (AZ0765), Florida (E871002-24), Louisiana (03054)
Oklahoma (2017-142), North Carolina (681)

Xenco-Dallas (EPA Lab Code: TX01468):
Texas (T104704295-19-19), Arizona (AZ0809), Arkansas (17-063-0)

Xenco-El Paso (EPA Lab Code: TX00127): Texas (T104704221-18-14)
Xenco-Lubbock (EPA Lab Code: TX00139): Texas (T104704219-19-20)
Xenco-Midland (EPA Lab Code: TX00158): Texas (T104704400-18-18)
Xenco-San Antonio (EPA Lab Code: TNI02385): Texas (T104704534-18-4)
Xenco Phoenix (EPA Lab Code: AZ00901): Arizona (AZ0757)
Xenco-Atlanta (LELAP Lab ID #04176)
Xenco-Tampa: Florida (E87429), North Carolina (483)

08.09.2019

Project Manager: **Brett Krehbiel**
ARCADIS
1004 N. Big Spring St.
Midland, TX 79701

Reference: XENCO Report No(s): **620864**
Eunice Project- N. Eunice
Project Address: Eunice, NM

Brett Krehbiel:

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 XENCO Report Number(s) 620864. 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 XENCO Laboratories. 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. 620864 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 XENCO Laboratories 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

Sample Cross Reference 620864

ARCADIS, Midland, TX

Eunice Project- N. Eunice

Sample Id	Matrix	Date Collected	Sample Depth	Lab Sample Id
MW100	W	04.11.2019 07:59		620864-001
MW076SA	W	04.11.2019 08:46		620864-002
MW075SA	W	04.11.2019 09:21		620864-003
MW084SA	W	04.11.2019 09:41		620864-004
MW085SA	W	04.11.2019 10:08		620864-005
MW086SA	W	04.11.2019 10:32		620864-006
MW071SA	W	04.11.2019 11:40		620864-007
MW065SA	W	04.11.2019 12:30		620864-008
MW066SA	W	04.11.2019 12:53		620864-009
MW073SA	W	04.11.2019 13:18		620864-010
MW072SA	W	04.11.2019 13:38		620864-011
DUP08	W	04.11.2019 00:00		620864-012

CASE NARRATIVE

Client Name: ARCADIS

Project Name: Eunice Project- N. Eunice

Project ID: *B0048789*
Work Order Number(s): *620864*

Report Date: *08.09.2019*
Date Received: *04.11.2019*

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-3085484 TDS by SM2540C

Total Dissolved Solids detected in the blank above the MQL, therefore possible laboratory contamination indicating a potential high bias. Samples in the analytical batch are: 620864-001, -002, -003, -004, -005, -006, -007, -008, -009, -010, -011, -012.

Batch: LBA-3085763 Chromium, Hexavalent by SW 7196A

All samples were ran within hold time the sampling times were in another time zone.

Batch: LBA-3085767 Chromium, Hexavalent by SW 7196A

Sample 620864 - 012 K-flag due to no sample time entered for duplicate.

Certificate of Analytical Results
620864

ARCADIS, Midland, TX

Eunice Project- N. Eunice

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

Lab Sample Id: 620864-001 Date Collected: 04.11.2019 07:59 Date Received: 04.11.2019 18:00

Analytical Method: Chloride by EPA 300 Prep Method: E300P

Analyst: SPC % Moist: Tech: SPC

Seq Number: 3086124 Date Prep: 04.17.2019 18:30

Prep seq: 7676021

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Chloride	16887-00-6	**948**	10.0	1.72	mg/L	04.17.2019 22:58		20

Analytical Method: TDS by SM2540C Prep Method:

Analyst: SPC % Moist: Tech: SPC

Seq Number: 3085484 Date Prep:

Prep seq:

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Total Dissolved Solids	1642222	**1900**	5.00	5.00	mg/L	04.12.2019 12:50		1

Analytical Method: Dissolved Metals by SW6020A Prep Method: 3010A

Analyst: DEP % Moist: Tech: DEP

Seq Number: 3086048 Date Prep: 04.17.2019 09:45

Subcontractor: SUB: T104704215-19-29 Prep seq: 7675917

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Arsenic	7440-38-2	**0.0106**	0.00400	0.000246	mg/L	04.17.2019 17:44		1
Chromium	7440-47-3	**0.00733**	0.00400	0.000525	mg/L	04.17.2019 17:44		1
Iron	7439-89-6	**0.360**	0.100	0.0227	mg/L	04.17.2019 17:44		1
Manganese	7439-96-5	**0.299**	0.00200	0.000199	mg/L	04.17.2019 17:44		1

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

Analyst: SCM % Moist: Tech: SCM

Seq Number: 3085763 Date Prep:

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	04.12.2019 08:04	UK	1

Certificate of Analytical Results
620864

ARCADIS, Midland, TX

Eunice Project- N. Eunice

Sample Id: **MW076SA** Matrix: Water Sample Depth:

Lab Sample Id: 620864-002 Date Collected: 04.11.2019 08:46 Date Received: 04.11.2019 18:00

Analytical Method: Chloride by EPA 300 Prep Method: E300P

Analyst: SPC % Moist: Tech: SPC

Seq Number: 3086124 Date Prep: 04.17.2019 18:30

Prep seq: 7676021

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Chloride	16887-00-6	**601**	10.0	1.72	mg/L	04.17.2019 23:07		20

Analytical Method: TDS by SM2540C Prep Method:

Analyst: SPC % Moist: Tech: SPC

Seq Number: 3085484 Date Prep:

Prep seq:

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Total Dissolved Solids	1642222	**1950**	5.00	5.00	mg/L	04.12.2019 12:50		1

Analytical Method: Dissolved Metals by SW6020A Prep Method: 3010A

Analyst: DEP % Moist: Tech: DEP

Seq Number: 3086048 Date Prep: 04.17.2019 09:45

Subcontractor: SUB: T104704215-19-29 Prep seq: 7675917

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Arsenic	7440-38-2	**0.0123**	0.00400	0.000246	mg/L	04.17.2019 18:05		1
Chromium	7440-47-3	**0.0119**	0.00400	0.000525	mg/L	04.17.2019 18:05		1
Iron	7439-89-6	**0.225**	0.100	0.0227	mg/L	04.17.2019 18:05		1
Manganese	7439-96-5	**0.00388**	0.00200	0.000199	mg/L	04.17.2019 18:05		1

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

Analyst: SCM % Moist: Tech: SCM

Seq Number: 3085763 Date Prep:

Prep seq:

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Chromium, Hexavalent	18540-29-9	**0.0143**	0.0100	0.00273	mg/L	04.12.2019 08:04		1

Certificate of Analytical Results
620864

ARCADIS, Midland, TX

Eunice Project- N. Eunice

Sample Id: **MW075SA** Matrix: Water Sample Depth:

Lab Sample Id: 620864-003 Date Collected: 04.11.2019 09:21 Date Received: 04.11.2019 18:00

Analytical Method: Chloride by EPA 300 Prep Method: E300P

Analyst: SPC % Moist: Tech: SPC

Seq Number: 3086124 Date Prep: 04.17.2019 18:30

Prep seq: 7676021

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Chloride	16887-00-6	**466**	10.0	1.72	mg/L	04.17.2019 23:15		20

Analytical Method: TDS by SM2540C Prep Method:

Analyst: SPC % Moist: Tech: SPC

Seq Number: 3085484 Date Prep:

Prep seq:

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Total Dissolved Solids	1642222	**1770**	5.00	5.00	mg/L	04.12.2019 12:50		1

Analytical Method: Dissolved Metals by SW6020A Prep Method: 3010A

Analyst: DEP % Moist: Tech: DEP

Seq Number: 3086048 Date Prep: 04.17.2019 09:45

Subcontractor: SUB: T104704215-19-29 Prep seq: 7675917

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Arsenic	7440-38-2	**0.0134**	0.00400	0.000246	mg/L	04.17.2019 18:07		1
Chromium	7440-47-3	**0.0128**	0.00400	0.000525	mg/L	04.17.2019 18:07		1
Iron	7439-89-6	<0.0227	0.100	0.0227	mg/L	04.17.2019 18:07	U	1
Manganese	7439-96-5	**0.000224**	0.00200	0.000199	mg/L	04.17.2019 18:07	J	1

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

Analyst: SCM % Moist: Tech: SCM

Seq Number: 3085763 Date Prep:

Prep seq:

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Chromium, Hexavalent	18540-29-9	**0.00940**	0.0100	0.00273	mg/L	04.12.2019 08:04	J	1

Certificate of Analytical Results
620864

ARCADIS, Midland, TX

Eunice Project- N. Eunice

Sample Id: **MW084SA** Matrix: Water Sample Depth:

Lab Sample Id: 620864-004 Date Collected: 04.11.2019 09:41 Date Received: 04.11.2019 18:00

Analytical Method: Chloride by EPA 300 Prep Method: E300P

Analyst: SPC % Moist: Tech: SPC

Seq Number: 3086124 Date Prep: 04.17.2019 18:30

Prep seq: 7676021

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Chloride	16887-00-6	**1220**	25.0	4.29	mg/L	04.17.2019 23:23		50

Analytical Method: TDS by SM2540C Prep Method:

Analyst: SPC % Moist: Tech: SPC

Seq Number: 3085484 Date Prep:

Prep seq:

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Total Dissolved Solids	1642222	**5910**	5.00	5.00	mg/L	04.12.2019 12:50		1

Analytical Method: Dissolved Metals by SW6020A Prep Method: 3010A

Analyst: DEP % Moist: Tech: DEP

Seq Number: 3086048 Date Prep: 04.17.2019 09:45

Subcontractor: SUB: T104704215-19-29 Prep seq: 7675917

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Arsenic	7440-38-2	**0.00962**	0.00400	0.000246	mg/L	04.17.2019 18:10		1
Chromium	7440-47-3	**0.0205**	0.00400	0.000525	mg/L	04.17.2019 18:10		1
Iron	7439-89-6	**0.415**	0.100	0.0227	mg/L	04.17.2019 18:10		1
Manganese	7439-96-5	**0.0177**	0.00200	0.000199	mg/L	04.17.2019 18:10		1

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

Analyst: SCM % Moist: Tech: SCM

Seq Number: 3085763 Date Prep:

Prep seq:

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Chromium, Hexavalent	18540-29-9	**0.0167**	0.0100	0.00273	mg/L	04.12.2019 08:04		1

Certificate of Analytical Results
620864

ARCADIS, Midland, TX

Eunice Project- N. Eunice

Sample Id: **MW085SA** Matrix: Water Sample Depth:

Lab Sample Id: 620864-005 Date Collected: 04.11.2019 10:08 Date Received: 04.11.2019 18:00

Analytical Method: Chloride by EPA 300 Prep Method: E300P

Analyst: SPC % Moist: Tech: SPC

Seq Number: 3086124 Date Prep: 04.17.2019 18:30

Prep seq: 7676021

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Chloride	16887-00-6	**1580**	25.0	4.29	mg/L	04.17.2019 23:32		50

Analytical Method: TDS by SM2540C Prep Method:

Analyst: SPC % Moist: Tech: SPC

Seq Number: 3085484 Date Prep:

Prep seq:

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Total Dissolved Solids	1642222	**3660**	5.00	5.00	mg/L	04.12.2019 12:50		1

Analytical Method: Dissolved Metals by SW6020A Prep Method: 3010A

Analyst: DEP % Moist: Tech: DEP

Seq Number: 3086048 Date Prep: 04.17.2019 09:45

Subcontractor: SUB: T104704215-19-29 Prep seq: 7675917

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Arsenic	7440-38-2	**0.0141**	0.00400	0.000246	mg/L	04.17.2019 18:13		1
Chromium	7440-47-3	**0.0559**	0.00400	0.000525	mg/L	04.17.2019 18:13		1
Iron	7439-89-6	**0.319**	0.100	0.0227	mg/L	04.17.2019 18:13		1
Manganese	7439-96-5	**0.0265**	0.00200	0.000199	mg/L	04.17.2019 18:13		1

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

Analyst: SCM % Moist: Tech: SCM

Seq Number: 3085763 Date Prep:

Prep seq:

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Chromium, Hexavalent	18540-29-9	**0.0236**	0.0100	0.00273	mg/L	04.12.2019 08:04		1

Certificate of Analytical Results
620864
ARCADIS, Midland, TX
Eunice Project- N. Eunice

Sample Id: **MW086SA** Matrix: Water Sample Depth:

Lab Sample Id: 620864-006 Date Collected: 04.11.2019 10:32 Date Received: 04.11.2019 18:00

Analytical Method: Chloride by EPA 300 Prep Method: E300P

Analyst: SPC % Moist: Tech: SPC

Seq Number: 3086124 Date Prep: 04.17.2019 18:30

Prep seq: 7676021

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Chloride	16887-00-6	**1370**	25.0	4.29	mg/L	04.18.2019 00:05		50

Analytical Method: TDS by SM2540C Prep Method:

Analyst: SPC % Moist: Tech: SPC

Seq Number: 3085484 Date Prep:

Prep seq:

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Total Dissolved Solids	1642222	**3160**	5.00	5.00	mg/L	04.12.2019 12:50		1

Analytical Method: Dissolved Metals by SW6020A Prep Method: 3010A

Analyst: DEP % Moist: Tech: DEP

Seq Number: 3086048 Date Prep: 04.17.2019 09:45

Subcontractor: SUB: T104704215-19-29 Prep seq: 7675917

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Arsenic	7440-38-2	**0.0116**	0.00400	0.000246	mg/L	04.17.2019 18:16		1
Chromium	7440-47-3	**0.0482**	0.00400	0.000525	mg/L	04.17.2019 18:16		1
Iron	7439-89-6	**0.0839**	0.100	0.0227	mg/L	04.17.2019 18:16	J	1
Manganese	7439-96-5	**0.00235**	0.00200	0.000199	mg/L	04.17.2019 18:16		1

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

Analyst: SCM % Moist: Tech: SCM

Seq Number: 3085763 Date Prep:

Prep seq:

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Chromium, Hexavalent	18540-29-9	**0.0385**	0.0100	0.00273	mg/L	04.12.2019 08:04		1

Certificate of Analytical Results
620864

ARCADIS, Midland, TX

Eunice Project- N. Eunice

Sample Id: **MW071SA** Matrix: Water Sample Depth:

Lab Sample Id: 620864-007 Date Collected: 04.11.2019 11:40 Date Received: 04.11.2019 18:00

Analytical Method: Chloride by EPA 300 Prep Method: E300P

Analyst: SPC % Moist: Tech: SPC

Seq Number: 3086124 Date Prep: 04.17.2019 18:30

Prep seq: 7676021

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Chloride	16887-00-6	**636**	5.00	0.858	mg/L	04.18.2019 12:56		10

Analytical Method: TDS by SM2540C Prep Method:

Analyst: SPC % Moist: Tech: SPC

Seq Number: 3085484 Date Prep:

Prep seq:

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Total Dissolved Solids	1642222	**1490**	5.00	5.00	mg/L	04.12.2019 12:50		1

Analytical Method: Dissolved Metals by SW6020A Prep Method: 3010A

Analyst: DEP % Moist: Tech: DEP

Seq Number: 3086048 Date Prep: 04.17.2019 09:45

Subcontractor: SUB: T104704215-19-29 Prep seq: 7675917

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Arsenic	7440-38-2	**0.00836**	0.00400	0.000246	mg/L	04.17.2019 18:19		1
Chromium	7440-47-3	**0.00587**	0.00400	0.000525	mg/L	04.17.2019 18:19		1
Iron	7439-89-6	**0.0284**	0.100	0.0227	mg/L	04.17.2019 18:19	J	1
Manganese	7439-96-5	**0.216**	0.00200	0.000199	mg/L	04.17.2019 18:19		1

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

Analyst: SCM % Moist: Tech: SCM

Seq Number: 3085763 Date Prep:

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	04.12.2019 08:04	U	1

Certificate of Analytical Results
620864
ARCADIS, Midland, TX
Eunice Project- N. Eunice

Sample Id: **MW065SA** Matrix: Water Sample Depth:

Lab Sample Id: 620864-008 Date Collected: 04.11.2019 12:30 Date Received: 04.11.2019 18:00

Analytical Method: Chloride by EPA 300 Prep Method: E300P

Analyst: SPC % Moist: Tech: SPC

Seq Number: 3086124 Date Prep: 04.17.2019 18:30

Prep seq: 7676021

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Chloride	16887-00-6	**1050**	10.0	1.72	mg/L	04.18.2019 00:14		20

Analytical Method: TDS by SM2540C Prep Method:

Analyst: SPC % Moist: Tech: SPC

Seq Number: 3085484 Date Prep:

Prep seq:

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Total Dissolved Solids	1642222	**2590**	5.00	5.00	mg/L	04.12.2019 12:50		1

Analytical Method: Dissolved Metals by SW6020A Prep Method: 3010A

Analyst: DEP % Moist: Tech: DEP

Seq Number: 3086048 Date Prep: 04.17.2019 09:45

Subcontractor: SUB: T104704215-19-29 Prep seq: 7675917

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Arsenic	7440-38-2	**0.0103**	0.00400	0.000246	mg/L	04.17.2019 18:22		1
Chromium	7440-47-3	**0.0134**	0.00400	0.000525	mg/L	04.17.2019 18:22		1
Iron	7439-89-6	<0.0227	0.100	0.0227	mg/L	04.17.2019 18:22	U	1
Manganese	7439-96-5	**0.0107**	0.00200	0.000199	mg/L	04.17.2019 18:22		1

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

Analyst: SCM % Moist: Tech: SCM

Seq Number: 3085763 Date Prep:

Prep seq:

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Chromium, Hexavalent	18540-29-9	**0.00690**	0.0100	0.00273	mg/L	04.12.2019 08:04	J	1

Certificate of Analytical Results
620864

ARCADIS, Midland, TX

Eunice Project- N. Eunice

Sample Id: **MW066SA** Matrix: Water Sample Depth:

Lab Sample Id: 620864-009 Date Collected: 04.11.2019 12:53 Date Received: 04.11.2019 18:00

Analytical Method: Chloride by EPA 300 Prep Method: E300P

Analyst: SPC % Moist: Tech: SPC

Seq Number: 3086124 Date Prep: 04.17.2019 18:30

Prep seq: 7676021

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Chloride	16887-00-6	**836**	10.0	1.72	mg/L	04.18.2019 00:39		20

Analytical Method: TDS by SM2540C Prep Method:

Analyst: SPC % Moist: Tech: SPC

Seq Number: 3085484 Date Prep:

Prep seq:

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Total Dissolved Solids	1642222	**2040**	5.00	5.00	mg/L	04.12.2019 12:50		1

Analytical Method: Dissolved Metals by SW6020A Prep Method: 3010A

Analyst: DEP % Moist: Tech: DEP

Seq Number: 3086048 Date Prep: 04.17.2019 09:45

Subcontractor: SUB: T104704215-19-29 Prep seq: 7675917

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Arsenic	7440-38-2	**0.00974**	0.00400	0.000246	mg/L	04.17.2019 18:25		1
Chromium	7440-47-3	**0.0179**	0.00400	0.000525	mg/L	04.17.2019 18:25		1
Iron	7439-89-6	**0.0678**	0.100	0.0227	mg/L	04.17.2019 18:25	J	1
Manganese	7439-96-5	**0.0699**	0.00200	0.000199	mg/L	04.17.2019 18:25		1

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

Analyst: SCM % Moist: Tech: SCM

Seq Number: 3085763 Date Prep:

Prep seq:

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Chromium, Hexavalent	18540-29-9	**0.00650**	0.0100	0.00273	mg/L	04.12.2019 08:04	J	1

Certificate of Analytical Results
620864
ARCADIS, Midland, TX
Eunice Project- N. Eunice

Sample Id: **MW073SA** Matrix: Water Sample Depth:

Lab Sample Id: 620864-010 Date Collected: 04.11.2019 13:18 Date Received: 04.11.2019 18:00

Analytical Method: Chloride by EPA 300 Prep Method: E300P

Analyst: SPC % Moist: Tech: SPC

Seq Number: 3086124 Date Prep: 04.17.2019 18:30

Prep seq: 7676021

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Chloride	16887-00-6	**1000**	10.0	1.72	mg/L	04.18.2019 00:47		20

Analytical Method: TDS by SM2540C Prep Method:

Analyst: SPC % Moist: Tech: SPC

Seq Number: 3085484 Date Prep:

Prep seq:

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Total Dissolved Solids	1642222	**2020**	5.00	5.00	mg/L	04.12.2019 12:50		1

Analytical Method: Dissolved Metals by SW6020A Prep Method: 3010A

Analyst: DEP % Moist: Tech: DEP

Seq Number: 3086048 Date Prep: 04.17.2019 09:45

Subcontractor: SUB: T104704215-19-29 Prep seq: 7675917

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Arsenic	7440-38-2	**0.0102**	0.00400	0.000246	mg/L	04.17.2019 18:27		1
Chromium	7440-47-3	<0.000525	0.00400	0.000525	mg/L	04.17.2019 18:27	U	1
Iron	7439-89-6	<0.0227	0.100	0.0227	mg/L	04.17.2019 18:27	U	1
Manganese	7439-96-5	**0.00344**	0.00200	0.000199	mg/L	04.17.2019 18:27		1

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

Analyst: SCM % Moist: Tech: SCM

Seq Number: 3085763 Date Prep:

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	04.12.2019 08:04	U	1

Certificate of Analytical Results
620864

ARCADIS, Midland, TX

Eunice Project- N. Eunice

Sample Id: **MW072SA** Matrix: Water Sample Depth:

Lab Sample Id: 620864-011 Date Collected: 04.11.2019 13:38 Date Received: 04.11.2019 18:00

Analytical Method: Chloride by EPA 300 Prep Method: E300P

Analyst: SPC % Moist: Tech: SPC

Seq Number: 3086124 Date Prep: 04.17.2019 18:30

Prep seq: 7676021

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Chloride	16887-00-6	**218**	5.00	0.858	mg/L	04.18.2019 00:55		10

Analytical Method: TDS by SM2540C Prep Method:

Analyst: SPC % Moist: Tech: SPC

Seq Number: 3085484 Date Prep:

Prep seq:

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Total Dissolved Solids	1642222	**1050**	5.00	5.00	mg/L	04.12.2019 12:50		1

Analytical Method: Dissolved Metals by SW6020A Prep Method: 3010A

Analyst: DEP % Moist: Tech: DEP

Seq Number: 3086048 Date Prep: 04.17.2019 09:45

Subcontractor: SUB: T104704215-19-29 Prep seq: 7675917

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Arsenic	7440-38-2	**0.0186**	0.00400	0.000246	mg/L	04.17.2019 18:30		1
Chromium	7440-47-3	<0.000525	0.00400	0.000525	mg/L	04.17.2019 18:30	U	1
Iron	7439-89-6	**0.0464**	0.100	0.0227	mg/L	04.17.2019 18:30	J	1
Manganese	7439-96-5	**0.00182**	0.00200	0.000199	mg/L	04.17.2019 18:30	J	1

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

Analyst: SCM % Moist: Tech: SCM

Seq Number: 3085767 Date Prep:

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	04.12.2019 08:50	U	1

Certificate of Analytical Results
620864
ARCADIS, Midland, TX
Eunice Project- N. Eunice

Sample Id: **DUP08** Matrix: Water Sample Depth:

Lab Sample Id: 620864-012 Date Collected: 04.11.2019 00:00 Date Received: 04.11.2019 18:00

Analytical Method: Chloride by EPA 300 Prep Method: E300P

Analyst: SPC % Moist: Tech: SPC

Seq Number: 3086124 Date Prep: 04.17.2019 18:30

Prep seq: 7676021

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Chloride	16887-00-6	**976**	10.0	1.72	mg/L	04.18.2019 01:04		20

Analytical Method: TDS by SM2540C Prep Method:

Analyst: SPC % Moist: Tech: SPC

Seq Number: 3085484 Date Prep:

Prep seq:

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Total Dissolved Solids	1642222	**1970**	5.00	5.00	mg/L	04.12.2019 12:50		1

Analytical Method: Dissolved Metals by SW6020A Prep Method: 3010A

Analyst: DEP % Moist: Tech: DEP

Seq Number: 3086048 Date Prep: 04.17.2019 09:45

Subcontractor: SUB: T104704215-19-29 Prep seq: 7675917

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Arsenic	7440-38-2	**0.0106**	0.00400	0.000246	mg/L	04.17.2019 18:39		1
Chromium	7440-47-3	**0.00692**	0.00400	0.000525	mg/L	04.17.2019 18:39		1
Iron	7439-89-6	**0.345**	0.100	0.0227	mg/L	04.17.2019 18:39		1
Manganese	7439-96-5	**0.303**	0.00200	0.000199	mg/L	04.17.2019 18:39		1

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

Analyst: SCM % Moist: Tech: SCM

Seq Number: 3085767 Date Prep:

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	04.12.2019 08:50	UK	1

Certificate of Analytical Results
620864
ARCADIS, Midland, TX
Eunice Project- N. Eunice

Sample Id: **3085484-1-BLK** Matrix: Water Sample Depth:
Lab Sample Id: 3085484-1-BLK Date Collected: Date Received:
Analytical Method: TDS by SM2540C Prep Method:
Analyst: SPC % Moist: Tech: SPC
Seq Number: 3085484 Date Prep:
Prep seq:

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Total Dissolved Solids	1642222	**5.50**	5.00	5.00	mg/L	04.12.2019 12:50	B	1

Sample Id: **3085763-1-BLK** Matrix: Water Sample Depth:
Lab Sample Id: 3085763-1-BLK Date Collected: Date Received:
Analytical Method: Chromium, Hexavalent by SW 7196A Prep Method:
Analyst: SCM % Moist: Tech: SCM
Seq Number: 3085763 Date Prep:
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	04.12.2019 08:04	U	1

Sample Id: **3085767-1-BLK** Matrix: Water Sample Depth:
Lab Sample Id: 3085767-1-BLK Date Collected: Date Received:
Analytical Method: Chromium, Hexavalent by SW 7196A Prep Method:
Analyst: SCM % Moist: Tech: SCM
Seq Number: 3085767 Date Prep:
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	04.12.2019 08:50	U	1

Certificate of Analytical Results
620864
ARCADIS, Midland, TX
Eunice Project- N. Eunice

Sample Id: **7675917-1-BLK** Matrix: Water Sample Depth:

Lab Sample Id: 7675917-1-BLK Date Collected: Date Received:

Analytical Method: Dissolved Metals by SW6020A Prep Method: 3010A

Analyst: DEP % Moist: Tech: DEP

Seq Number: 3086048 Date Prep: 04.17.2019 09:45

Subcontractor: SUB: T104704215-19-29 Prep seq: 7675917

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Arsenic	7440-38-2	<0.000246	0.00400	0.000246	mg/L	04.17.2019 17:36	U	1
Chromium	7440-47-3	<0.000525	0.00400	0.000525	mg/L	04.17.2019 17:36	U	1
Iron	7439-89-6	<0.0227	0.100	0.0227	mg/L	04.17.2019 17:36	U	1
Manganese	7439-96-5	<0.000199	0.00200	0.000199	mg/L	04.17.2019 17:36	U	1

Sample Id: **7676021-1-BLK** Matrix: Water Sample Depth:

Lab Sample Id: 7676021-1-BLK Date Collected: Date Received:

Analytical Method: Chloride by EPA 300 Prep Method: E300P

Analyst: SPC % Moist: Tech: SPC

Seq Number: 3086124 Date Prep: 04.17.2019 18:30

Prep seq: 7676021

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Chloride	16887-00-6	**0.197**	0.500	0.0858	mg/L	04.17.2019 21:18	BJ	1

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.

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: 6/14/2022 10:44:20 AM

Form 2 - Surrogate Recoveries

Project Name: Eunice Project- N. Eunice

Work Orders : 620864 **Project ID:** B0048789

* 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.

BS / BSD Recoveries

Project Name: Eunice Project- N. Eunice

Work Order #: 620864 **Project ID:** B0048789

Analyst: SPC **Date Prepared:** 04.17.2019 **Date Analyzed:** 04.17.2019

Lab Batch ID: 3086124 **Sample:** 7676021-1-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	0.197	25.0	26.3	105	25.0	26.0	104	1	90-110	20	

Analyst: SCM **Date Prepared:** 04.12.2019 **Date Analyzed:** 04.12.2019

Lab Batch ID: 3085763 **Sample:** 3085763-1-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	0.0389	97	0.0400	0.0392	98	1	85-115	20	

Analyst: SCM **Date Prepared:** 04.12.2019 **Date Analyzed:** 04.12.2019

Lab Batch ID: 3085767 **Sample:** 3085767-1-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	0.0389	97	0.0400	0.0392	98	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

BS / BSD Recoveries

Project Name: Eunice Project- N. Eunice

Work Order #: 620864 **Project ID:** B0048789

Analyst: DEP **Date Prepared:** 04.17.2019 **Date Analyzed:** 04.17.2019

Lab Batch ID: 3086048 **Sample:** 7675917-1-BKS **Batch #:** 1 **Matrix:** Water

Units: mg/L

BLANK /BLANK SPIKE / BLANK SPIKE DUPLICATE RECOVERY STUDY

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	0.0971	97	0.100	0.0966	97	1	80-120	20	
Chromium	<0.000525	0.100	0.0989	99	0.100	0.0990	99	0	80-120	20	
Iron	<0.0227	0.500	0.481	96	0.500	0.485	97	1	80-120	20	
Manganese	<0.000199	0.100	0.0989	99	0.100	0.0992	99	0	80-120	20	

Analyst: SPC **Date Prepared:** 04.12.2019 **Date Analyzed:** 04.12.2019

Lab Batch ID: 3085484 **Sample:** 3085484-1-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	5.50	1000	987	99	1000	993	99	1	80-120	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

Form 3 - MS / MSD Recoveries

Project Name: Eunice Project- N. Eunice

Work Order # : 620864 **Project ID:** B0048789

Lab Batch ID: 3086124 **QC- Sample ID:** 620864-007 S **Batch #:** 1 **Matrix:** Water

Date Analyzed: 04.18.2019 **Date Prepared:** 04.17.2019 **Analyst:** SPC

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	636	250	902	106	250	884	99	2	90-110	20	

Lab Batch ID: 3086124 **QC- Sample ID:** 621306-001 S **Batch #:** 1 **Matrix:** Drinking Water

Date Analyzed: 04.17.2019 **Date Prepared:** 04.17.2019 **Analyst:** SPC

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	7.11	25.0	33.2	104	25.0	32.6	102	2	90-110	20	

Lab Batch ID: 3085763 **QC- Sample ID:** 620864-001 S **Batch #:** 1 **Matrix:** Water

Date Analyzed: 04.12.2019 **Date Prepared:** 04.12.2019 **Analyst:** SCM

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	0.173	87	0.200	0.175	88	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.

Form 3 - MS / MSD Recoveries

Project Name: Eunice Project- N. Eunice

Work Order # : 620864 **Project ID:** B0048789

Lab Batch ID: 3085767 **QC- Sample ID:** 620864-011 S **Batch #:** 1 **Matrix:** Water

Date Analyzed: 04.12.2019 **Date Prepared:** 04.12.2019 **Analyst:** SCM

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	0.187	94	0.200	0.187	94	0	75-125	20	

Lab Batch ID: 3086048 **QC- Sample ID:** 620864-001 S **Batch #:** 1 **Matrix:** Water

Date Analyzed: 04.17.2019 **Date Prepared:** 04.17.2019 **Analyst:** DEP

Reporting Units: mg/L

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY STUDY

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	0.0106	0.100	0.110	99	0.100	0.110	99	0	75-125	20	
Chromium	0.00733	0.100	0.110	103	0.100	0.111	104	1	75-125	20	
Iron	0.360	0.500	0.866	101	0.500	0.875	103	1	75-125	20	
Manganese	0.299	0.100	0.408	109	0.100	0.411	112	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

Project Name: Eunice Project- N. Eunice

Work Order #: 620864

Lab Batch #: 3085484 **Project ID:** B0048789
Date Analyzed: 04.12.2019 12:50 **Date Prepared:** 04.12.2019 **Analyst:** SPC
QC- Sample ID: 620864-001 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	1900	2000	5	10	

Lab Batch #: 3085484
Date Analyzed: 04.12.2019 12:50 **Date Prepared:** 04.12.2019 **Analyst:** SPC
QC- Sample ID: 620864-011 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	1050	1080	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: 6208604

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 2

Project Manager:	Brett Krehbiel	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:	916-786-5382 Email:	brett.krehbiel@arcadis.com	

Work Order Comments

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

Project Name:	Eunice Project-N. Eunice	Turn Around	
Project Number:	30048789	Routine ☑	
P.O. Number:	30048789	Rush:	
Sampler's Name:	Jerry Stowsard	Due Date:	

SAMPLE RECEIPT			
Temp Blank:	Yes No	Wet Ice:	Yes No
Temperature (°C):	2.6/2.5	Thermometer ID	
Received Intact:	Yes No	R8	
Cooler Custody Seals:	Yes No N/A	Correction Factor:	-0.1
Sample Custody Seals:	Yes No N/A	Total Containers:	

Sample Identification	Matrix	Date Sampled	Time Sampled	Depth	Number of Containers	BTEX (SW8021)	TPH (SW8015)	Hex Chrome (SW7196A)	Dissolved Metals (SW6020_DIS): Aresenic, Maganese, Iron & Chromium	TDS (SW2540)	Chlorides (E300)
MW100	W	04/11/19	0759		8	✓	✓	✓	✓	✓	✓
MW076SA			0846		8	✓	✓	✓	✓	✓	✓
MW075SA			0924		8	✓	✓	✓	✓	✓	✓
MW084SA			0941		8	✓	✓	✓	✓	✓	✓
MW085SA			1008		8	✓	✓	✓	✓	✓	✓
MW086SA			1032		8	✓	✓	✓	✓	✓	✓
MW071SA			1140		8	✓	✓	✓	✓	✓	✓
MW065SA			1230		8	✓	✓	✓	✓	✓	✓
MW066SA			1253		8	✓	✓	✓	✓	✓	✓
MW073SA	W	04/11/19	1318		8	✓	✓	✓	✓	✓	✓

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 Stowsard	Winston Nobl	4/11/19 16:17	2		4/11/19 18:00
3			4		
5			6		

Revised Date 051418 Rev. 2018.1

Received by OCD: 3/25/2020 3:45:40 PM
Final 1.004
Page 26 of 30
Released to Imaging: 6/14/2022 10:44:20 AM

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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: 620864

Page 2 of 2

Project Manager:	Brett Krehbiel	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:	916-786-5382	Email:	brett.krehbiel@arcadis.com

Work Order Comments

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

Project Name:	Eunice Project-N. Eunice	Turn Around	
Project Number:	30048789	Routine	☑
P.O. Number:	30048789	Rush:	
Sampler's Name:	Terry Stanzell	Due Date:	

SAMPLE RECEIPT			
Temp Blank:	Yes (No)	Wet Ice:	(Yes) No
Temperature (°C):	2.1 0.5	Thermometer ID	RE
Received Intact:	(Yes) No		
Cooler Custody Seals:	Yes No (N/A)	Correction Factor:	-0.1
Sample Custody Seals:	Yes No (N/A)	Total Containers:	

ANALYSIS REQUEST

Sample Identification	Matrix	Date Sampled	Time Sampled	Depth	Number of Containers	BTEX (SW8021)	TPH (SW8015)	Hex Chrome (SW7196A)	Dissolved Metals (SW6020_DIS): Aresenic, Maganese, Iron & Chromium	TDS (SW2540)	Chlorides (E300)
MW07-25A	W	04/11/19	1338		8	✓	✓	✓	✓	✓	✓
DUP8	W	04/11/19	—		8	✓	✓	✓	✓	✓	✓

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	Terry Stanzell	Preston Nail	4/11/19 16:17	2		
3				4		
5				6		

Revised Date 051418 Rev. 2018.1

Received by OCD: 3/25/2020 3:45:40 PM
Released to Imaging: 6/14/2022 10:44:20 AM
Final 1.004
Page 27 of 30

Inter-Office Shipment

IOS Number : 126578

Date/Time: 04.12.2019 09:12
Lab# From: **Midland**
Lab# To: **Houston**
Created by: Katie Lowe
Delivery Priority:
Air Bill No.: 774963040703

Please send report to: Brandi Ritcherson
Address: 1211 W. Florida Ave
E-Mail: brandi.ritcherson@xenco.com

Sample Id	Matrix	Client Sample Id	Sample Collection	Method	Method Name	Lab Due	HT Due	PM	Analytes	Sign
620864-001	W	MW100	04.11.2019 07:59	SW6020_DIS	Dissolved Metals by SW6020A	04.17.2019	10.08.2019	BAR	AS CR FE MN	
620864-002	W	MW076SA	04.11.2019 08:46	SW6020_DIS	Dissolved Metals by SW6020A	04.17.2019	10.08.2019	BAR	AS CR FE MN	
620864-003	W	MW075SA	04.11.2019 09:21	SW6020_DIS	Dissolved Metals by SW6020A	04.17.2019	10.08.2019	BAR	AS CR FE MN	
620864-004	W	MW084SA	04.11.2019 09:41	SW6020_DIS	Dissolved Metals by SW6020A	04.17.2019	10.08.2019	BAR	AS CR FE MN	
620864-005	W	MW085SA	04.11.2019 10:08	SW6020_DIS	Dissolved Metals by SW6020A	04.17.2019	10.08.2019	BAR	AS CR FE MN	
620864-006	W	MW086SA	04.11.2019 10:32	SW6020_DIS	Dissolved Metals by SW6020A	04.17.2019	10.08.2019	BAR	AS CR FE MN	
620864-007	W	MW071SA	04.11.2019 11:40	SW6020_DIS	Dissolved Metals by SW6020A	04.17.2019	10.08.2019	BAR	AS CR FE MN	
620864-008	W	MW065SA	04.11.2019 12:30	SW6020_DIS	Dissolved Metals by SW6020A	04.17.2019	10.08.2019	BAR	AS CR FE MN	
620864-009	W	MW066SA	04.11.2019 12:53	SW6020_DIS	Dissolved Metals by SW6020A	04.17.2019	10.08.2019	BAR	AS CR FE MN	
620864-010	W	MW073SA	04.11.2019 13:18	SW6020_DIS	Dissolved Metals by SW6020A	04.17.2019	10.08.2019	BAR	AS CR FE MN	
620864-011	W	MW072SA	04.11.2019 13:38	SW6020_DIS	Dissolved Metals by SW6020A	04.17.2019	10.08.2019	BAR	AS CR FE MN	
620864-012	W	DUP8	04.11.2019 00:00	SW6020_DIS	Dissolved Metals by SW6020A	04.17.2019	10.08.2019	BAR	AS CR FE MN	

Inter Office Shipment or Sample Comments:

Relinquished By: Katie Lowe
Date Relinquished: 04.12.2019

Received By: Taha Hedib
Date Received: 04.13.2019 09:40
Cooler Temperature: 3.8

XENCO Laboratories

Inter Office Report- Sample Receipt Checklist

Sent To: Houston

IOS #: 126578

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

Sent By: Katie Lowe **Date Sent:** 04/12/2019 09:12 AM

Received By: Taha Hedib **Date Received:** 04/13/2019 09:40 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: _____ Date: 04/13/2019

Taha Hedib

XENCO Laboratories

Prelogin/Nonconformance Report- Sample Log-In

Client: ARCADIS

Date/ Time Received: 04/11/2019 06:00:00 PM

Work Order #: 620864

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

Temperature Measuring device used : R8

Sample Receipt Checklist		Comments
#1 *Temperature of cooler(s)?	2.5	
#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?	**Yes**	

*** Must be completed for after-hours delivery of samples prior to placing in the refrigerator**

Analyst: BT

PH Device/Lot#: A023690

Checklist completed by: Katie Lowe Date: 04/11/2019

Checklist reviewed by: Brandi Ritcherson Date: 04/15/2019

Analytical Report 621021

for

ARCADIS

Project Manager: Brett Krehbiel

Eunice Project- N. Eunice

B0048789

08.08.2019

Collected By: Client

1211 W. Florida Ave
Midland TX 79701

Xenco-Houston (EPA Lab Code: TX00122):
Texas (T104704215-19-29), Arizona (AZ0765), Florida (E871002-24), Louisiana (03054)
Oklahoma (2017-142), North Carolina (681)

Xenco-Dallas (EPA Lab Code: TX01468):
Texas (T104704295-19-19), Arizona (AZ0809), Arkansas (17-063-0)

Xenco-El Paso (EPA Lab Code: TX00127): Texas (T104704221-18-14)
Xenco-Lubbock (EPA Lab Code: TX00139): Texas (T104704219-19-20)
Xenco-Midland (EPA Lab Code: TX00158): Texas (T104704400-18-18)
Xenco-San Antonio (EPA Lab Code: TNI02385): Texas (T104704534-18-4)
Xenco Phoenix (EPA Lab Code: AZ00901): Arizona (AZ0757)
Xenco-Atlanta (LELAP Lab ID #04176)
Xenco-Tampa: Florida (E87429), North Carolina (483)

08.08.2019

Project Manager: **Brett Krehbiel**
ARCADIS
1004 N. Big Spring St.
Midland, TX 79701

Reference: XENCO Report No(s): **621021**
Eunice Project- N. Eunice
Project Address: Eunice, NM

Brett Krehbiel:

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 XENCO Report Number(s) 621021. 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 XENCO Laboratories. 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. 621021 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 XENCO Laboratories 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

Sample Cross Reference 621021

ARCADIS, Midland, TX

Eunice Project- N. Eunice

Sample Id	Matrix	Date Collected	Sample Depth	Lab Sample Id
IW010	W	04.12.2019 08:55		621021-001
IW008	W	04.12.2019 09:20		621021-002
MW055SA	W	04.12.2019 09:51		621021-003
MW074SA	W	04.12.2019 10:11		621021-004
MW021A	W	04.12.2019 10:34		621021-005

CASE NARRATIVE

Client Name: ARCADIS

Project Name: Eunice Project- N. Eunice

Project ID: *B0048789*
Work Order Number(s): *621021*

Report Date: *08.08.2019*
Date Received: *04.12.2019*

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-3085768 Chromium, Hexavalent by SW 7196A
Sample 1 is a false positive due to iron interference and showed no color change.

Certificate of Analytical Results
621021
ARCADIS, Midland, TX
Eunice Project- N. Eunice

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

Lab Sample Id: 621021-001 Date Collected: 04.12.2019 08:55 Date Received: 04.12.2019 16:51

Analytical Method: Chloride by EPA 300 Prep Method: E300P

Analyst: CHE % Moist: Tech: CHE

Seq Number: 3086304 Date Prep: 04.18.2019 16:30

Prep seq: 7676094

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Chloride	16887-00-6	**2280**	25.0	4.29	mg/L	04.19.2019 05:09		50

Analytical Method: TDS by SM2540C Prep Method:

Analyst: CHE % Moist: Tech: CHE

Seq Number: 3086275 Date Prep:

Prep seq:

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Total Dissolved Solids	1642222	**3120**	5.00	5.00	mg/L	04.15.2019 15:42		1

Analytical Method: Dissolved Metals by SW6020A Prep Method: 3010A

Analyst: DEP % Moist: Tech: DEP

Seq Number: 3086125 Date Prep: 04.18.2019 09:25

Subcontractor: SUB: T104704215-19-29 Prep seq: 7676022

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Arsenic	7440-38-2	**0.00899**	0.00400	0.000246	mg/L	04.18.2019 21:38		1
Chromium	7440-47-3	**0.00202**	0.00400	0.000525	mg/L	04.18.2019 21:38	J	1
Iron	7439-89-6	**11.8**	0.100	0.0227	mg/L	04.18.2019 21:38		1
Manganese	7439-96-5	**7.96**	0.200	0.0199	mg/L	04.19.2019 12:21	D	100

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

Analyst: SCM % Moist: Tech: SCM

Seq Number: 3085768 Date Prep:

Prep seq:

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Chromium, Hexavalent	18540-29-9	**0.00310**	0.0100	0.00273	mg/L	04.12.2019 18:15	J	1

Certificate of Analytical Results
621021
ARCADIS, Midland, TX
Eunice Project- N. Eunice

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

Lab Sample Id: 621021-002 Date Collected: 04.12.2019 09:20 Date Received: 04.12.2019 16:51

Analytical Method: Chloride by EPA 300 Prep Method: E300P

Analyst: CHE % Moist: Tech: CHE

Seq Number: 3086304 Date Prep: 04.18.2019 16:30

Prep seq: 7676094

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Chloride	16887-00-6	**875**	10.0	1.72	mg/L	04.19.2019 05:18		20

Analytical Method: TDS by SM2540C Prep Method:

Analyst: CHE % Moist: Tech: CHE

Seq Number: 3086275 Date Prep:

Prep seq:

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Total Dissolved Solids	1642222	**2160**	5.00	5.00	mg/L	04.15.2019 15:42		1

Analytical Method: Dissolved Metals by SW6020A Prep Method: 3010A

Analyst: DEP % Moist: Tech: DEP

Seq Number: 3086125 Date Prep: 04.18.2019 09:25

Subcontractor: SUB: T104704215-19-29 Prep seq: 7676022

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Arsenic	7440-38-2	**0.0235**	0.00400	0.000246	mg/L	04.18.2019 21:49		1
Chromium	7440-47-3	**0.00388**	0.00400	0.000525	mg/L	04.18.2019 21:49	J	1
Iron	7439-89-6	**4.78**	0.100	0.0227	mg/L	04.18.2019 21:49		1
Manganese	7439-96-5	**1.90**	0.0400	0.00397	mg/L	04.19.2019 12:24	D	20

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

Analyst: SCM % Moist: Tech: SCM

Seq Number: 3085768 Date Prep:

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	04.12.2019 18:15	U	1

Certificate of Analytical Results
621021

ARCADIS, Midland, TX

Eunice Project- N. Eunice

Sample Id: **MW055SA** Matrix: Water Sample Depth:

Lab Sample Id: 621021-003 Date Collected: 04.12.2019 09:51 Date Received: 04.12.2019 16:51

Analytical Method: Chloride by EPA 300 Prep Method: E300P

Analyst: CHE % Moist: Tech: CHE

Seq Number: 3086304 Date Prep: 04.18.2019 16:30

Prep seq: 7676094

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Chloride	16887-00-6	**653**	10.0	1.72	mg/L	04.19.2019 05:26		20

Analytical Method: TDS by SM2540C Prep Method:

Analyst: CHE % Moist: Tech: CHE

Seq Number: 3086275 Date Prep:

Prep seq:

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Total Dissolved Solids	1642222	**1700**	5.00	5.00	mg/L	04.15.2019 15:42		1

Analytical Method: Dissolved Metals by SW6020A Prep Method: 3010A

Analyst: DEP % Moist: Tech: DEP

Seq Number: 3086125 Date Prep: 04.18.2019 09:25

Subcontractor: SUB: T104704215-19-29 Prep seq: 7676022

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Arsenic	7440-38-2	**0.00749**	0.00400	0.000246	mg/L	04.18.2019 21:52		1
Chromium	7440-47-3	**0.177**	0.00400	0.000525	mg/L	04.18.2019 21:52		1
Iron	7439-89-6	<0.0227	0.100	0.0227	mg/L	04.18.2019 21:52	U	1
Manganese	7439-96-5	**0.000651**	0.00200	0.000199	mg/L	04.18.2019 21:52	J	1

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

Analyst: SCM % Moist: Tech: SCM

Seq Number: 3085768 Date Prep:

Prep seq:

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Chromium, Hexavalent	18540-29-9	**0.157**	0.0100	0.00273	mg/L	04.12.2019 18:15		1

Certificate of Analytical Results
621021
ARCADIS, Midland, TX
Eunice Project- N. Eunice

Sample Id: **MW074SA** Matrix: Water Sample Depth:

Lab Sample Id: 621021-004 Date Collected: 04.12.2019 10:11 Date Received: 04.12.2019 16:51

Analytical Method: Chloride by EPA 300 Prep Method: E300P

Analyst: CHE % Moist: Tech: CHE

Seq Number: 3086304 Date Prep: 04.18.2019 16:30

Prep seq: 7676094

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Chloride	16887-00-6	**384**	5.00	0.858	mg/L	04.19.2019 05:34		10

Analytical Method: TDS by SM2540C Prep Method:

Analyst: CHE % Moist: Tech: CHE

Seq Number: 3086275 Date Prep:

Prep seq:

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Total Dissolved Solids	1642222	**1520**	5.00	5.00	mg/L	04.15.2019 15:42		1

Analytical Method: Dissolved Metals by SW6020A Prep Method: 3010A

Analyst: DEP % Moist: Tech: DEP

Seq Number: 3086125 Date Prep: 04.18.2019 09:25

Subcontractor: SUB: T104704215-19-29 Prep seq: 7676022

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Arsenic	7440-38-2	**0.0151**	0.00400	0.000246	mg/L	04.18.2019 21:55		1
Chromium	7440-47-3	**0.00508**	0.00400	0.000525	mg/L	04.18.2019 21:55		1
Iron	7439-89-6	**0.0318**	0.100	0.0227	mg/L	04.18.2019 21:55	J	1
Manganese	7439-96-5	**0.000585**	0.00200	0.000199	mg/L	04.18.2019 21:55	J	1

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

Analyst: SCM % Moist: Tech: SCM

Seq Number: 3085768 Date Prep:

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	04.12.2019 18:15	U	1

Certificate of Analytical Results
621021
ARCADIS, Midland, TX
Eunice Project- N. Eunice

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

Lab Sample Id: 621021-005 Date Collected: 04.12.2019 10:34 Date Received: 04.12.2019 16:51

Analytical Method: Chloride by EPA 300 Prep Method: E300P

Analyst: CHE % Moist: Tech: CHE

Seq Number: 3086304 Date Prep: 04.18.2019 16:30

Prep seq: 7676094

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Chloride	16887-00-6	**1020**	25.0	4.29	mg/L	04.19.2019 06:08		50

Analytical Method: TDS by SM2540C Prep Method:

Analyst: CHE % Moist: Tech: CHE

Seq Number: 3086275 Date Prep:

Prep seq:

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Total Dissolved Solids	1642222	**5150**	5.00	5.00	mg/L	04.15.2019 15:42		1

Analytical Method: Dissolved Metals by SW6020A Prep Method: 3010A

Analyst: DEP % Moist: Tech: DEP

Seq Number: 3086125 Date Prep: 04.18.2019 09:25

Subcontractor: SUB: T104704215-19-29 Prep seq: 7676022

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Arsenic	7440-38-2	**0.0110**	0.00400	0.000246	mg/L	04.18.2019 21:58		1
Chromium	7440-47-3	**0.00295**	0.00400	0.000525	mg/L	04.18.2019 21:58	J	1
Iron	7439-89-6	<0.0227	0.100	0.0227	mg/L	04.18.2019 21:58	U	1
Manganese	7439-96-5	**0.0126**	0.00200	0.000199	mg/L	04.18.2019 21:58		1

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

Analyst: SCM % Moist: Tech: SCM

Seq Number: 3085768 Date Prep:

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	04.12.2019 18:15	U	1

Certificate of Analytical Results
621021
ARCADIS, Midland, TX
Eunice Project- N. Eunice

Sample Id: **3085768-1-BLK** Matrix: Water Sample Depth:
Lab Sample Id: 3085768-1-BLK Date Collected: Date Received:
Analytical Method: Chromium, Hexavalent by SW 7196A Prep Method:
Analyst: SCM % Moist: Tech: SCM
Seq Number: 3085768 Date Prep:
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	04.12.2019 18:15	U	1

Sample Id: **3086275-1-BLK** Matrix: Water Sample Depth:
Lab Sample Id: 3086275-1-BLK Date Collected: Date Received:
Analytical Method: TDS by SM2540C Prep Method:
Analyst: CHE % Moist: Tech: CHE
Seq Number: 3086275 Date Prep:
Prep seq:

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Total Dissolved Solids	1642222	<5.00	5.00	5.00	mg/L	04.15.2019 15:42	U	1

Sample Id: **7676022-1-BLK** Matrix: Water Sample Depth:
Lab Sample Id: 7676022-1-BLK Date Collected: Date Received:
Analytical Method: Dissolved Metals by SW6020A Prep Method: 3010A
Analyst: DEP % Moist: Tech: DEP
Seq Number: 3086125 Date Prep: 04.18.2019 09:25
Subcontractor: SUB: T104704215-19-29 Prep seq: 7676022

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Arsenic	7440-38-2	<0.000246	0.00400	0.000246	mg/L	04.18.2019 13:54	U	1
Chromium	7440-47-3	<0.000525	0.00400	0.000525	mg/L	04.18.2019 13:54	U	1
Iron	7439-89-6	<0.0227	0.100	0.0227	mg/L	04.18.2019 13:54	U	1
Manganese	7439-96-5	<0.000199	0.00200	0.000199	mg/L	04.18.2019 13:54	U	1

Certificate of Analytical Results
621021

ARCADIS, Midland, TX

Eunice Project- N. Eunice

Sample Id: **7676094-1-BLK** Matrix: Water Sample Depth:

Lab Sample Id: 7676094-1-BLK Date Collected: Date Received:

Analytical Method: Chloride by EPA 300 Prep Method: E300P

Analyst: CHE % Moist: Tech: CHE

Seq Number: 3086304 Date Prep: 04.18.2019 16:30

Prep seq: 7676094

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Chloride	16887-00-6	<0.0858	0.500	0.0858	mg/L	04.19.2019 03:20	U	1

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.

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

BS / BSD Recoveries

Project Name: Eunice Project- N. Eunice

Work Order #: 621021 **Project ID:** B0048789

Analyst: CHE **Date Prepared:** 04.18.2019 **Date Analyzed:** 04.19.2019

Lab Batch ID: 3086304 **Sample:** 7676094-1-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	<0.0858	25.0	27.5	110	25.0	26.7	107	3	90-110	20	

Analyst: SCM **Date Prepared:** 04.12.2019 **Date Analyzed:** 04.12.2019

Lab Batch ID: 3085768 **Sample:** 3085768-1-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	0.0375	94	0.0400	0.0379	95	1	85-115	20	

Analyst: DEP **Date Prepared:** 04.18.2019 **Date Analyzed:** 04.18.2019

Lab Batch ID: 3086125 **Sample:** 7676022-1-BKS **Batch #:** 1 **Matrix:** Water

Units: mg/L

BLANK /BLANK SPIKE / BLANK SPIKE DUPLICATE RECOVERY STUDY

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	0.0998	100	0	80-120	20	
Chromium	<0.000525	0.100	0.0989	99	0.100	0.0998	100	1	80-120	20	
Iron	<0.0227	0.500	0.495	99	0.500	0.497	99	0	80-120	20	
Manganese	<0.000199	0.100	0.0988	99	0.100	0.0987	99	0	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

BS / BSD Recoveries

Project Name: Eunice Project- N. Eunice

Work Order #: 621021 **Project ID:** B0048789

Analyst: CHE **Date Prepared:** 04.15.2019 **Date Analyzed:** 04.15.2019

Lab Batch ID: 3086275 **Sample:** 3086275-1-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	<5.00	1000	982	98	1000	1000	100	2	80-120	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

Form 3 - MS / MSD Recoveries

Project Name: Eunice Project- N. Eunice

Work Order # : 621021 **Project ID:** B0048789

Lab Batch ID: 3086304 **QC- Sample ID:** 621493-001 S **Batch #:** 1 **Matrix:** Drinking Water

Date Analyzed: 04.19.2019 **Date Prepared:** 04.18.2019 **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	18.1	25.0	43.8	103	25.0	45.0	108	3	90-110	20	

Lab Batch ID: 3086304 **QC- Sample ID:** 621495-001 S **Batch #:** 1 **Matrix:** Drinking Water

Date Analyzed: 04.19.2019 **Date Prepared:** 04.18.2019 **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	3.24	25.0	29.9	107	25.0	30.0	107	0	90-110	20	

Lab Batch ID: 3085768 **QC- Sample ID:** 621021-005 S **Batch #:** 1 **Matrix:** Water

Date Analyzed: 04.12.2019 **Date Prepared:** 04.12.2019 **Analyst:** SCM

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	0.169	85	0.200	0.170	85	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.

Form 3 - MS / MSD Recoveries

Project Name: Eunice Project- N. Eunice

Work Order # : 621021 **Project ID:** B0048789

Lab Batch ID: 3086125 **QC- Sample ID:** 620722-001 S **Batch #:** 1 **Matrix:** Ground Water

Date Analyzed: 04.18.2019 **Date Prepared:** 04.18.2019 **Analyst:** DEP

Reporting Units: mg/L

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY STUDY

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	<0.000246	0.100	0.0943	94	0.100	0.0965	97	2	75-125	20	
Chromium	<0.000525	0.100	0.0977	98	0.100	0.101	101	3	75-125	20	
Iron	4.40	0.500	5.07	134	0.500	5.03	126	1	75-125	20	X
Manganese	7.91	0.100	8.13	220	0.100	8.12	210	0	75-125	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.

Method Duplicate

Project Name: Eunice Project- N. Eunice

Work Order #: 621021

Lab Batch #: 3086275 **Project ID:** B0048789

Date Analyzed: 04.15.2019 15:42 **Date Prepared:** 04.15.2019 **Analyst:** CHE

QC- Sample ID: 621021-001 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	3120	3160	1	10	

Lab Batch #: 3086275

Date Analyzed: 04.15.2019 15:42 **Date Prepared:** 04.15.2019 **Analyst:** CHE

QC- Sample ID: 621022-006 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	694	699	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: 621021

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:	Brett Krehbiel	Bill to: (if different)	NA
Company Name:	ARCADIS	Company Name:	NA
Address:	1004 N. Big Spring St.	Address:	NA
City, State ZIP:	Midland, TX. 79701	City, State ZIP:	NA
Phone:	916-786-5382	Email:	brett.krehbiel@arcadis.com

Work Order Comments

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

Project Name:	Eunice Project-N. Eunice	Turn Around	
Project Number:	30048758	Routine	☒
P.O. Number:	30048789	Rush:	
Sampler's Name:	Jerry S. Longwell	Due Date:	

SAMPLE RECEIPT			
Temp Blank:	Yes No	Wet Ice:	Yes No
Temperature (°C):	5.1 5.0	Thermometer ID	R8
Received Intact:	Yes No		
Cooler Custody Seals:	Yes No N/A	Correction Factor:	-0.1
Sample Custody Seals:	Yes No N/A	Total Containers:	

Sample Identification	Matrix	Date Sampled	Time Sampled	Depth	Number of Containers	BTEX (SW8021)	TPH (SW8015)	Hex Chrome (SW7196A)	Dissolved Metals (SW6020_DIS): Aresenic, Maganese, Iron & Chromium	TDS (SW2540)	Chlorides (E300)
IW010	W	4/12/19	0955		8	✓	✓	✓	✓	✓	✓
IW008	W	4/12/19	0920		8	✓	✓	✓	✓	✓	✓
MW005S5A	W	4/12/19	0951		9	✓	✓	✓	✓	✓	✓
MW074SA	W	4/12/19	1011		8	✓	✓	✓	✓	✓	✓
MW021A	W	4/12/19	1034		8	✓	✓	✓	✓	✓	✓

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		4.12.19 1605	2		
3			4		
5			6		

Revised Date 051418 Rev. 2018.1

Received by OCD: 3/25/2020 3:45:40 PM
Released to Imaging: 6/14/2022 10:44:20 AM
Final 1.006
Page 18 of 21

Inter-Office Shipment

IOS Number : 126643

Date/Time:	04.15.2019 07:45	Created by:	Brianna Teel	Please send report to:	Brandi Ritcherson
Lab# From:	**Midland**	Delivery Priority:		Address:	1211 W. Florida Ave
Lab# To:	**Houston**	Air Bill No.:	774976412391	E-Mail:	brandi.ritcherson@xenco.com

Sample Id	Matrix	Client Sample Id	Sample Collection	Method	Method Name	Lab Due	HT Due	PM	Analytes	Sign
621021-001	W	IW010	04.12.2019 08:55	SW6020_DIS	Dissolved Metals by SW6020A	**04.18.2019**	10.09.2019	BAR	AS BA CR FE MN	
621021-002	W	IW008	04.12.2019 09:20	SW6020_DIS	Dissolved Metals by SW6020A	**04.18.2019**	10.09.2019	BAR	AS BA CR FE MN	
621021-003	W	MW00555A	04.12.2019 09:51	SW6020_DIS	Dissolved Metals by SW6020A	**04.18.2019**	10.09.2019	BAR	AS BA CR FE MN	
621021-004	W	MW0745A	04.12.2019 10:11	SW6020_DIS	Dissolved Metals by SW6020A	**04.18.2019**	10.09.2019	BAR	AS BA CR FE MN	
621021-005	W	MW021A	04.12.2019 10:34	SW6020_DIS	Dissolved Metals by SW6020A	**04.18.2019**	10.09.2019	BAR	AS BA CR FE MN	

Inter Office Shipment or Sample Comments:

Relinquished By: Brianna Teel

Brianna Teel

Date Relinquished: 04.15.2019

Received By:

Taha Hedib

Date Received: 04.16.2019 09:20

Cooler Temperature: 4.9

XENCO Laboratories

Inter Office Report- Sample Receipt Checklist

Sent To: Houston

IOS #: 126643

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

Sent By: Brianna Teel **Date Sent:** 04/15/2019 07:45 AM

Received By: Taha Hedib **Date Received:** 04/16/2019 09:20 AM

Sample Receipt Checklist		Comments
#1 *Temperature of cooler(s)?	4.9	
#2 *Shipping container in good condition?	**Yes**	
#3 *Samples received with appropriate temperature?	**Yes**	
#4 *Custody Seals intact on shipping container/ cooler?	**No**	
#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?	**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: _____ Date: 04/16/2019

Taha Hedib

XENCO Laboratories

Prelogin/Nonconformance Report- Sample Log-In

Client: ARCADIS

Date/ Time Received: 04/12/2019 04:51:00 PM

Work Order #: 621021

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

Temperature Measuring device used : R8

Sample Receipt Checklist		Comments
#1 *Temperature of cooler(s)?	5	
#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?	**Yes**	

*** Must be completed for after-hours delivery of samples prior to placing in the refrigerator**

Analyst: BT

PH Device/Lot#: A023690

Checklist completed by: Katie Lowe Date: 04/12/2019

Checklist reviewed by: Brandi Ritcherson Date: 04/17/2019

Analytical Report 621022

for

ARCADIS

Project Manager: Brett Krehbiel

Eunice Project- N. Eunice

B0048789

08.09.2019

Collected By: Client

1211 W. Florida Ave
Midland TX 79701

Xenco-Houston (EPA Lab Code: TX00122):
Texas (T104704215-19-29), Arizona (AZ0765), Florida (E871002-24), Louisiana (03054)
Oklahoma (2017-142), North Carolina (681)

Xenco-Dallas (EPA Lab Code: TX01468):
Texas (T104704295-19-19), Arizona (AZ0809), Arkansas (17-063-0)

Xenco-El Paso (EPA Lab Code: TX00127): Texas (T104704221-18-14)
Xenco-Lubbock (EPA Lab Code: TX00139): Texas (T104704219-19-20)
Xenco-Midland (EPA Lab Code: TX00158): Texas (T104704400-18-18)
Xenco-San Antonio (EPA Lab Code: TNI02385): Texas (T104704534-18-4)
Xenco Phoenix (EPA Lab Code: AZ00901): Arizona (AZ0757)
Xenco-Atlanta (LELAP Lab ID #04176)
Xenco-Tampa: Florida (E87429), North Carolina (483)

08.09.2019

Project Manager: **Brett Krehbiel**
ARCADIS
1004 N. Big Spring St.
Midland, TX 79701

Reference: XENCO Report No(s): **621022**
Eunice Project- N. Eunice
Project Address: Eunice, NM.

Brett Krehbiel:

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 XENCO Report Number(s) 621022. 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 XENCO Laboratories. 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. 621022 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 XENCO Laboratories 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

Sample Cross Reference 621022

ARCADIS, Midland, TX

Eunice Project- N. Eunice

Sample Id	Matrix	Date Collected	Sample Depth	Lab Sample Id
MW062A	W	04.12.2019 10:00		621022-001
MW063A	W	04.12.2019 10:40		621022-002
MW024A	W	04.12.2019 11:10		621022-003
MW099	W	04.12.2019 11:50		621022-004
MW070	W	04.12.2019 13:30		621022-005
MW030	W	04.12.2019 13:55		621022-006
DUP06	W	04.12.2019 00:00		621022-007
MW058	W	04.12.2019 14:20		621022-008

CASE NARRATIVE

Client Name: ARCADIS

Project Name: Eunice Project- N. Eunice

Project ID: *B0048789*
Work Order Number(s): *621022*

Report Date: *08.09.2019*
Date Received: *04.12.2019*

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

Certificate of Analytical Results
621022

ARCADIS, Midland, TX
Eunice Project- N. Eunice

Sample Id: **MW062A** Matrix: Water Sample Depth:

Lab Sample Id: 621022-001 Date Collected: 04.12.2019 10:00 Date Received: 04.12.2019 16:51

Analytical Method: Chloride by EPA 300 Prep Method: E300P

Analyst: CHE % Moist: Tech: CHE

Seq Number: 3086304 Date Prep: 04.18.2019 16:30

Prep seq: 7676094

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Chloride	16887-00-6	**62.9**	2.50	0.429	mg/L	04.19.2019 06:16		5

Analytical Method: TDS by SM2540C Prep Method:

Analyst: CHE % Moist: Tech: CHE

Seq Number: 3086275 Date Prep:

Prep seq:

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Total Dissolved Solids	1642222	**474**	5.00	5.00	mg/L	04.15.2019 15:42		1

Analytical Method: Dissolved Metals by SW6020A Prep Method: 3010A

Analyst: DEP % Moist: Tech: DEP

Seq Number: 3086125 Date Prep: 04.18.2019 09:25

Subcontractor: SUB: T104704215-19-29 Prep seq: 7676022

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Arsenic	7440-38-2	**0.0249**	0.00400	0.000246	mg/L	04.18.2019 22:01		1
Chromium	7440-47-3	**0.00200**	0.00400	0.000525	mg/L	04.18.2019 22:01	J	1
Iron	7439-89-6	<0.0227	0.100	0.0227	mg/L	04.18.2019 22:01	U	1
Manganese	7439-96-5	<0.000199	0.00200	0.000199	mg/L	04.18.2019 22:01	U	1

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

Analyst: SCM % Moist: Tech: SCM

Seq Number: 3085767 Date Prep:

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	04.12.2019 17:30	U	1

Certificate of Analytical Results
621022

ARCADIS, Midland, TX
Eunice Project- N. Eunice

Sample Id: **MW063A** Matrix: Water Sample Depth:

Lab Sample Id: 621022-002 Date Collected: 04.12.2019 10:40 Date Received: 04.12.2019 16:51

Analytical Method: Chloride by EPA 300 Prep Method: E300P

Analyst: CHE % Moist: Tech: CHE

Seq Number: 3086304 Date Prep: 04.18.2019 16:30

Prep seq: 7676094

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Chloride	16887-00-6	**58.5**	2.50	0.429	mg/L	04.19.2019 06:41		5

Analytical Method: TDS by SM2540C Prep Method:

Analyst: CHE % Moist: Tech: CHE

Seq Number: 3086275 Date Prep:

Prep seq:

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Total Dissolved Solids	1642222	**459**	5.00	5.00	mg/L	04.15.2019 15:42		1

Analytical Method: Dissolved Metals by SW6020A Prep Method: 3010A

Analyst: DEP % Moist: Tech: DEP

Seq Number: 3086125 Date Prep: 04.18.2019 09:25

Subcontractor: SUB: T104704215-19-29 Prep seq: 7676022

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Arsenic	7440-38-2	**0.0244**	0.00400	0.000246	mg/L	04.18.2019 22:04		1
Chromium	7440-47-3	**0.00160**	0.00400	0.000525	mg/L	04.18.2019 22:04	J	1
Iron	7439-89-6	<0.0227	0.100	0.0227	mg/L	04.18.2019 22:04	U	1
Manganese	7439-96-5	**0.000653**	0.00200	0.000199	mg/L	04.18.2019 22:04	J	1

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

Analyst: SCM % Moist: Tech: SCM

Seq Number: 3085767 Date Prep:

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	04.12.2019 17:30	U	1

Certificate of Analytical Results
621022

ARCADIS, Midland, TX
Eunice Project- N. Eunice

Sample Id: **MW024A** Matrix: Water Sample Depth:

Lab Sample Id: 621022-003 Date Collected: 04.12.2019 11:10 Date Received: 04.12.2019 16:51

Analytical Method: Chloride by EPA 300 Prep Method: E300P

Analyst: CHE % Moist: Tech: CHE

Seq Number: 3086304 Date Prep: 04.18.2019 16:30

Prep seq: 7676094

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Chloride	16887-00-6	**997**	10.0	1.72	mg/L	04.19.2019 06:50		20

Analytical Method: TDS by SM2540C Prep Method:

Analyst: CHE % Moist: Tech: CHE

Seq Number: 3086275 Date Prep:

Prep seq:

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Total Dissolved Solids	1642222	**2140**	5.00	5.00	mg/L	04.15.2019 15:42		1

Analytical Method: Dissolved Metals by SW6020A Prep Method: 3010A

Analyst: DEP % Moist: Tech: DEP

Seq Number: 3086125 Date Prep: 04.18.2019 09:25

Subcontractor: SUB: T104704215-19-29 Prep seq: 7676022

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Arsenic	7440-38-2	**0.0119**	0.00400	0.000246	mg/L	04.18.2019 22:07		1
Chromium	7440-47-3	**0.500**	0.00400	0.000525	mg/L	04.18.2019 22:07		1
Iron	7439-89-6	<0.0227	0.100	0.0227	mg/L	04.18.2019 22:07	U	1
Manganese	7439-96-5	<0.000199	0.00200	0.000199	mg/L	04.18.2019 22:07	U	1

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

Analyst: SCM % Moist: Tech: SCM

Seq Number: 3085767 Date Prep:

Prep seq:

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Chromium, Hexavalent	18540-29-9	**0.474**	0.0100	0.00273	mg/L	04.12.2019 17:30		1

Certificate of Analytical Results
621022

ARCADIS, Midland, TX
Eunice Project- N. Eunice

Sample Id: **MW099** Matrix: Water Sample Depth:

Lab Sample Id: 621022-004 Date Collected: 04.12.2019 11:50 Date Received: 04.12.2019 16:51

Analytical Method: Chloride by EPA 300 Prep Method: E300P

Analyst: CHE % Moist: Tech: CHE

Seq Number: 3086304 Date Prep: 04.18.2019 16:30

Prep seq: 7676094

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Chloride	16887-00-6	**72.8**	2.50	0.429	mg/L	04.19.2019 06:58		5

Analytical Method: TDS by SM2540C Prep Method:

Analyst: CHE % Moist: Tech: CHE

Seq Number: 3086275 Date Prep:

Prep seq:

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Total Dissolved Solids	1642222	**453**	5.00	5.00	mg/L	04.15.2019 15:42		1

Analytical Method: Dissolved Metals by SW6020A Prep Method: 3010A

Analyst: DEP % Moist: Tech: DEP

Seq Number: 3086125 Date Prep: 04.18.2019 09:25

Subcontractor: SUB: T104704215-19-29 Prep seq: 7676022

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Arsenic	7440-38-2	**0.00744**	0.00400	0.000246	mg/L	04.18.2019 22:10		1
Chromium	7440-47-3	<0.000525	0.00400	0.000525	mg/L	04.18.2019 22:10	U	1
Iron	7439-89-6	**0.0423**	0.100	0.0227	mg/L	04.18.2019 22:10	J	1
Manganese	7439-96-5	**0.180**	0.00200	0.000199	mg/L	04.18.2019 22:10		1

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

Analyst: SCM % Moist: Tech: SCM

Seq Number: 3085767 Date Prep:

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	04.12.2019 17:30	U	1

Certificate of Analytical Results
621022

ARCADIS, Midland, TX
Eunice Project- N. Eunice

Sample Id: **MW070** Matrix: Water Sample Depth:

Lab Sample Id: 621022-005 Date Collected: 04.12.2019 13:30 Date Received: 04.12.2019 16:51

Analytical Method: Chloride by EPA 300 Prep Method: E300P

Analyst: CHE % Moist: Tech: CHE

Seq Number: 3086304 Date Prep: 04.18.2019 16:30

Prep seq: 7676094

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Chloride	16887-00-6	**444**	5.00	0.858	mg/L	04.19.2019 07:06		10

Analytical Method: TDS by SM2540C Prep Method:

Analyst: CHE % Moist: Tech: CHE

Seq Number: 3086275 Date Prep:

Prep seq:

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Total Dissolved Solids	1642222	**1130**	5.00	5.00	mg/L	04.15.2019 15:42		1

Analytical Method: Dissolved Metals by SW6020A Prep Method: 3010A

Analyst: DEP % Moist: Tech: DEP

Seq Number: 3086125 Date Prep: 04.18.2019 09:25

Subcontractor: SUB: T104704215-19-29 Prep seq: 7676022

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Arsenic	7440-38-2	**0.0141**	0.00400	0.000246	mg/L	04.18.2019 22:13		1
Chromium	7440-47-3	<0.000525	0.00400	0.000525	mg/L	04.18.2019 22:13	U	1
Iron	7439-89-6	**0.0443**	0.100	0.0227	mg/L	04.18.2019 22:13	J	1
Manganese	7439-96-5	**0.000935**	0.00200	0.000199	mg/L	04.18.2019 22:13	J	1

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

Analyst: SCM % Moist: Tech: SCM

Seq Number: 3085767 Date Prep:

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	04.12.2019 17:30	U	1

Certificate of Analytical Results
621022
ARCADIS, Midland, TX
Eunice Project- N. Eunice

Sample Id: **MW030** Matrix: Water Sample Depth:

Lab Sample Id: 621022-006 Date Collected: 04.12.2019 13:55 Date Received: 04.12.2019 16:51

Analytical Method: Chloride by EPA 300 Prep Method: E300P

Analyst: CHE % Moist: Tech: CHE

Seq Number: 3086304 Date Prep: 04.18.2019 16:30

Prep seq: 7676094

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Chloride	16887-00-6	**220**	2.50	0.429	mg/L	04.19.2019 07:15		5

Analytical Method: TDS by SM2540C Prep Method:

Analyst: CHE % Moist: Tech: CHE

Seq Number: 3086275 Date Prep:

Prep seq:

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Total Dissolved Solids	1642222	**694**	5.00	5.00	mg/L	04.15.2019 15:42		1

Analytical Method: Dissolved Metals by SW6020A Prep Method: 3010A

Analyst: DEP % Moist: Tech: DEP

Seq Number: 3086125 Date Prep: 04.18.2019 09:25

Subcontractor: SUB: T104704215-19-29 Prep seq: 7676022

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Arsenic	7440-38-2	**0.0197**	0.00400	0.000246	mg/L	04.18.2019 22:16		1
Chromium	7440-47-3	**0.00126**	0.00400	0.000525	mg/L	04.18.2019 22:16	J	1
Iron	7439-89-6	<0.0227	0.100	0.0227	mg/L	04.18.2019 22:16	U	1
Manganese	7439-96-5	**0.000594**	0.00200	0.000199	mg/L	04.18.2019 22:16	J	1

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

Analyst: SCM % Moist: Tech: SCM

Seq Number: 3085767 Date Prep:

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	04.12.2019 17:30	U	1

Certificate of Analytical Results
621022

ARCADIS, Midland, TX
Eunice Project- N. Eunice

Sample Id: **DUP06** Matrix: Water Sample Depth:

Lab Sample Id: 621022-007 Date Collected: 04.12.2019 00:00 Date Received: 04.12.2019 16:51

Analytical Method: Chloride by EPA 300 Prep Method: E300P

Analyst: CHE % Moist: Tech: CHE

Seq Number: 3086304 Date Prep: 04.18.2019 16:30

Prep seq: 7676094

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Chloride	16887-00-6	**1040**	5.00	0.858	mg/L	04.19.2019 13:36		10

Analytical Method: TDS by SM2540C Prep Method:

Analyst: CHE % Moist: Tech: CHE

Seq Number: 3086275 Date Prep:

Prep seq:

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Total Dissolved Solids	1642222	**3900**	5.00	5.00	mg/L	04.15.2019 15:42		1

Analytical Method: Dissolved Metals by SW6020A Prep Method: 3010A

Analyst: DEP % Moist: Tech: DEP

Seq Number: 3086125 Date Prep: 04.18.2019 09:25

Subcontractor: SUB: T104704215-19-29 Prep seq: 7676022

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Arsenic	7440-38-2	**0.0130**	0.00400	0.000246	mg/L	04.18.2019 22:24		1
Chromium	7440-47-3	**3.25**	0.200	0.0262	mg/L	04.19.2019 12:27	D	50
Iron	7439-89-6	<0.0227	0.100	0.0227	mg/L	04.18.2019 22:24	U	1
Manganese	7439-96-5	<0.000199	0.00200	0.000199	mg/L	04.18.2019 22:24	U	1

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

Analyst: SCM % Moist: Tech: SCM

Seq Number: 3085767 Date Prep:

Prep seq:

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Chromium, Hexavalent	18540-29-9	**2.90**	0.200	0.0545	mg/L	04.12.2019 17:30		20

Certificate of Analytical Results
621022

ARCADIS, Midland, TX
Eunice Project- N. Eunice

Sample Id: **MW058** Matrix: Water Sample Depth:

Lab Sample Id: 621022-008 Date Collected: 04.12.2019 14:20 Date Received: 04.12.2019 16:51

Analytical Method: Chloride by EPA 300 Prep Method: E300P

Analyst: CHE % Moist: Tech: CHE

Seq Number: 3086304 Date Prep: 04.18.2019 16:30

Prep seq: 7676094

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Chloride	16887-00-6	**1150**	5.00	0.858	mg/L	04.19.2019 13:44		10

Analytical Method: TDS by SM2540C Prep Method:

Analyst: CHE % Moist: Tech: CHE

Seq Number: 3086275 Date Prep:

Prep seq:

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Total Dissolved Solids	1642222	**4180**	5.00	5.00	mg/L	04.15.2019 15:42		1

Analytical Method: Dissolved Metals by SW6020A Prep Method: 3010A

Analyst: DEP % Moist: Tech: DEP

Seq Number: 3086125 Date Prep: 04.18.2019 09:25

Subcontractor: SUB: T104704215-19-29 Prep seq: 7676022

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Arsenic	7440-38-2	**0.0127**	0.00400	0.000246	mg/L	04.18.2019 22:27		1
Chromium	7440-47-3	**3.16**	0.200	0.0262	mg/L	04.19.2019 16:46	D	50
Iron	7439-89-6	<0.0227	0.100	0.0227	mg/L	04.18.2019 22:27	U	1
Manganese	7439-96-5	<0.000199	0.00200	0.000199	mg/L	04.18.2019 22:27	U	1

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

Analyst: SCM % Moist: Tech: SCM

Seq Number: 3085767 Date Prep:

Prep seq:

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Chromium, Hexavalent	18540-29-9	**2.74**	0.200	0.0545	mg/L	04.12.2019 17:30		20

Certificate of Analytical Results
621022
ARCADIS, Midland, TX
Eunice Project- N. Eunice

Sample Id: **3085767-1-BLK** Matrix: Water Sample Depth:
Lab Sample Id: 3085767-1-BLK Date Collected: Date Received:
Analytical Method: Chromium, Hexavalent by SW 7196A Prep Method:
Analyst: SCM % Moist: Tech: SCM
Seq Number: 3085767 Date Prep:
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	04.12.2019 08:50	U	1

Sample Id: **3086275-1-BLK** Matrix: Water Sample Depth:
Lab Sample Id: 3086275-1-BLK Date Collected: Date Received:
Analytical Method: TDS by SM2540C Prep Method:
Analyst: CHE % Moist: Tech: CHE
Seq Number: 3086275 Date Prep:
Prep seq:

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Total Dissolved Solids	1642222	<5.00	5.00	5.00	mg/L	04.15.2019 15:42	U	1

Sample Id: **7676022-1-BLK** Matrix: Water Sample Depth:
Lab Sample Id: 7676022-1-BLK Date Collected: Date Received:
Analytical Method: Dissolved Metals by SW6020A Prep Method: 3010A
Analyst: DEP % Moist: Tech: DEP
Seq Number: 3086125 Date Prep: 04.18.2019 09:25
Subcontractor: SUB: T104704215-19-29 Prep seq: 7676022

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Arsenic	7440-38-2	<0.000246	0.00400	0.000246	mg/L	04.18.2019 13:54	U	1
Chromium	7440-47-3	<0.000525	0.00400	0.000525	mg/L	04.18.2019 13:54	U	1
Iron	7439-89-6	<0.0227	0.100	0.0227	mg/L	04.18.2019 13:54	U	1
Manganese	7439-96-5	<0.000199	0.00200	0.000199	mg/L	04.18.2019 13:54	U	1

Certificate of Analytical Results
621022

ARCADIS, Midland, TX

Eunice Project- N. Eunice

Sample Id: **7676094-1-BLK** Matrix: Water Sample Depth:

Lab Sample Id: 7676094-1-BLK Date Collected: Date Received:

Analytical Method: Chloride by EPA 300 Prep Method: E300P

Analyst: CHE % Moist: Tech: CHE

Seq Number: 3086304 Date Prep: 04.18.2019 16:30

Prep seq: 7676094

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Chloride	16887-00-6	<0.0858	0.500	0.0858	mg/L	04.19.2019 03:20	U	1

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.

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

Form 2 - Surrogate Recoveries

Project Name: Eunice Project- N. Eunice

Work Orders : 621022 **Project ID:** B0048789

* 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.

BS / BSD Recoveries

Project Name: Eunice Project- N. Eunice

Work Order #: 621022 **Project ID:** B0048789

Analyst: CHE **Date Prepared:** 04.18.2019 **Date Analyzed:** 04.19.2019

Lab Batch ID: 3086304 **Sample:** 7676094-1-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	<0.0858	25.0	27.5	110	25.0	26.7	107	3	90-110	20	

Analyst: SCM **Date Prepared:** 04.12.2019 **Date Analyzed:** 04.12.2019

Lab Batch ID: 3085767 **Sample:** 3085767-1-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	0.0389	97	0.0400	0.0392	98	1	85-115	20	

Analyst: DEP **Date Prepared:** 04.18.2019 **Date Analyzed:** 04.18.2019

Lab Batch ID: 3086125 **Sample:** 7676022-1-BKS **Batch #:** 1 **Matrix:** Water

Units: mg/L

BLANK /BLANK SPIKE / BLANK SPIKE DUPLICATE RECOVERY STUDY

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	0.0998	100	0	80-120	20	
Chromium	<0.000525	0.100	0.0989	99	0.100	0.0998	100	1	80-120	20	
Iron	<0.0227	0.500	0.495	99	0.500	0.497	99	0	80-120	20	
Manganese	<0.000199	0.100	0.0988	99	0.100	0.0987	99	0	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

BS / BSD Recoveries

Project Name: Eunice Project- N. Eunice

Work Order #: 621022 **Project ID:** B0048789

Analyst: CHE **Date Prepared:** 04.15.2019 **Date Analyzed:** 04.15.2019

Lab Batch ID: 3086275 **Sample:** 3086275-1-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	<5.00	1000	982	98	1000	1000	100	2	80-120	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

Form 3 - MS / MSD Recoveries

Project Name: Eunice Project- N. Eunice

Work Order # : 621022 **Project ID:** B0048789

Lab Batch ID: 3086304 **QC- Sample ID:** 621493-001 S **Batch #:** 1 **Matrix:** Drinking Water

Date Analyzed: 04.19.2019 **Date Prepared:** 04.18.2019 **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	18.1	25.0	43.8	103	25.0	45.0	108	3	90-110	20	

Lab Batch ID: 3086304 **QC- Sample ID:** 621495-001 S **Batch #:** 1 **Matrix:** Drinking Water

Date Analyzed: 04.19.2019 **Date Prepared:** 04.18.2019 **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	3.24	25.0	29.9	107	25.0	30.0	107	0	90-110	20	

Lab Batch ID: 3085767 **QC- Sample ID:** 620864-011 S **Batch #:** 1 **Matrix:** Water

Date Analyzed: 04.12.2019 **Date Prepared:** 04.12.2019 **Analyst:** SCM

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	0.187	94	0.200	0.187	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.

Form 3 - MS / MSD Recoveries

Project Name: Eunice Project- N. Eunice

Work Order # : 621022 **Project ID:** B0048789

Lab Batch ID: 3086125 **QC- Sample ID:** 620722-001 S **Batch #:** 1 **Matrix:** Ground Water

Date Analyzed: 04.18.2019 **Date Prepared:** 04.18.2019 **Analyst:** DEP

Reporting Units: mg/L

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY STUDY

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	<0.000246	0.100	0.0943	94	0.100	0.0965	97	2	75-125	20	
Chromium	<0.000525	0.100	0.0977	98	0.100	0.101	101	3	75-125	20	
Iron	4.40	0.500	5.07	134	0.500	5.03	126	1	75-125	20	X
Manganese	7.91	0.100	8.13	220	0.100	8.12	210	0	75-125	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.

Method Duplicate

Project Name: Eunice Project- N. Eunice

Work Order #: 621022

Lab Batch #: 3086275 **Project ID:** B0048789
Date Analyzed: 04.15.2019 15:42 **Date Prepared:** 04.15.2019 **Analyst:** CHE
QC- Sample ID: 621021-001 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	3120	3160	1	10	

Lab Batch #: 3086275
Date Analyzed: 04.15.2019 15:42 **Date Prepared:** 04.15.2019 **Analyst:** CHE
QC- Sample ID: 621022-006 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	694	699	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: 621022

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:	Brett Krehbiel	Bill to: (if different)	NA
Company Name:	ARCADIS	Company Name:	NA
Address:	1004 N. Big Spring St.	Address:	NA
City, State ZIP:	Midland, TX. 79701	City, State ZIP:	NA
Phone:	916-786-5382	Email:	brett.krehbiel@arcadis.com

Work Order Comments

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

Project Name:	Eunice Project-N. Eunice	Turn Around	
Project Number:	Boo48789	Routine ☑	
P.O. Number:	Boo48789	Rush:	
Sampler's Name:	Ryan Nunn	Due Date:	

SAMPLE RECEIPT			
Temp Blank:	Yes No	Wet Ice:	Yes No
Temperature (°C):	5.1 / 5.0	Thermometer ID	
Received Intact:	Yes No	R8	
Cooler Custody Seals:	Yes No N/A	Correction Factor:	-0.1
Sample Custody Seals:	Yes No N/A	Total Containers:	

Sample Identification	Matrix	Date Sampled	Time Sampled	Depth	Number of Containers	BTEX (SW8021)	TPH (SW8015)	Hex Chrome (SW7196A)	Dissolved Metals (SW6020_DIS): Aresenic, Maganese, Iron & Chromium	TDS (SW2540)	Chlorides (E300)
MW062A	W	4-12-19	1000	NA	8	3	2	1	1	1	1
MW063A	W	4-12-19	1040	NA	8	3	2	1	1	1	1
MW024A	W	4-12-19	1110	NA	8	3	2	1	1	1	1
MW099	W	4-12-19	1150	NA	8	3	2	1	1	1	1
MW070	W	4-12-19	1330	NA	8	3	2	1	1	1	1
MW030	W	4-12-19	1355	NA	8	3	2	1	1	1	1
DUP06	W	4-12-19	—	NA	8	3	2	1	1	1	1
MW058	W	4-12-19	1420	NA	8	3	2	1	1	1	1

RV 4-12-19 Same Container

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			4.12.19 1605	2			
3				4			
5				6			

Revised Date 051418 Rev. 2018.1

Received by OCD: 3/25/2020 3:45:40 PM
Final 1.006
Page 22 of 25
Released to Imaging: 6/14/2022 10:44:20 AM

Inter-Office Shipment

IOS Number : 126644

Date/Time:	04.15.2019 07:45	Created by:	Brianna Teel	Please send report to:	Brandi Ritcherson
Lab# From:	**Midland**	Delivery Priority:		Address:	1211 W. Florida Ave
Lab# To:	**Houston**	Air Bill No.:	774976412391	E-Mail:	brandi.ritcherson@xenco.com

Sample Id	Matrix	Client Sample Id	Sample Collection	Method	Method Name	Lab Due	HT Due	PM	Analytes	Sign
621022-001	W	MW062A	04.12.2019 10:00	SW6020_DIS	Dissolved Metals by SW6020A	04.18.2019	10.09.2019	BAR	AS BA CR FE MN	
621022-002	W	MW063A	04.12.2019 10:40	SW6020_DIS	Dissolved Metals by SW6020A	04.18.2019	10.09.2019	BAR	AS BA CR FE MN	
621022-003	W	Mw024A	04.12.2019 11:10	SW6020_DIS	Dissolved Metals by SW6020A	04.18.2019	10.09.2019	BAR	AS BA CR FE MN	
621022-004	W	MW099	04.12.2019 11:50	SW6020_DIS	Dissolved Metals by SW6020A	04.18.2019	10.09.2019	BAR	AS BA CR FE MN	
621022-005	W	MW070	04.12.2019 13:30	SW6020_DIS	Dissolved Metals by SW6020A	04.18.2019	10.09.2019	BAR	AS BA CR FE MN	
621022-006	W	MW030	04.12.2019 13:55	SW6020_DIS	Dissolved Metals by SW6020A	04.18.2019	10.09.2019	BAR	AS BA CR FE MN	
621022-007	W	DUP06	04.12.2019 00:00	SW6020_DIS	Dissolved Metals by SW6020A	04.18.2019	10.09.2019	BAR	AS BA CR FE MN	
621022-008	W	MW058	04.12.2019 14:20	SW6020_DIS	Dissolved Metals by SW6020A	04.18.2019	10.09.2019	BAR	AS BA CR FE MN	

Inter Office Shipment or Sample Comments:

Relinquished By: Brianna Teel

Brianna Teel

Date Relinquished: 04.15.2019

Received By:

Taha Hedib

Date Received: 04.16.2019 09:20

Cooler Temperature: 4.9

XENCO Laboratories

Inter Office Report- Sample Receipt Checklist

Sent To: Houston

IOS #: 126644

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

Sent By: Brianna Teel **Date Sent:** 04/15/2019 07:45 AM

Received By: Taha Hedib **Date Received:** 04/16/2019 09:20 AM

Sample Receipt Checklist		Comments
#1 *Temperature of cooler(s)?	4.9	
#2 *Shipping container in good condition?	**Yes**	
#3 *Samples received with appropriate temperature?	**Yes**	
#4 *Custody Seals intact on shipping container/ cooler?	**No**	
#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?	**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: _____ Date: 04/16/2019

Taha Hedib

XENCO Laboratories

Prelogin/Nonconformance Report- Sample Log-In

Client: ARCADIS

Date/ Time Received: 04/12/2019 04:51:00 PM

Work Order #: 621022

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

Temperature Measuring device used : R8

Sample Receipt Checklist		Comments
#1 *Temperature of cooler(s)?	5	
#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?	**Yes**	

*** Must be completed for after-hours delivery of samples prior to placing in the refrigerator**

Analyst: BT

PH Device/Lot#: A023690

Checklist completed by: Katie Lowe Date: 04/12/2019

Checklist reviewed by: Brandi Ritcherson Date: 04/17/2019

Analytical Report 621177

for

ARCADIS

Project Manager: Brett Krehbiel

Eunice Project- N. Eunice

B0048789

08.08.2019

Collected By: Client

1211 W. Florida Ave
Midland TX 79701

Xenco-Houston (EPA Lab Code: TX00122):
Texas (T104704215-19-29), Arizona (AZ0765), Florida (E871002-24), Louisiana (03054)
Oklahoma (2017-142), North Carolina (681)

Xenco-Dallas (EPA Lab Code: TX01468):
Texas (T104704295-19-19), Arizona (AZ0809), Arkansas (17-063-0)

Xenco-El Paso (EPA Lab Code: TX00127): Texas (T104704221-18-14)
Xenco-Lubbock (EPA Lab Code: TX00139): Texas (T104704219-19-20)
Xenco-Midland (EPA Lab Code: TX00158): Texas (T104704400-18-18)
Xenco-San Antonio (EPA Lab Code: TNI02385): Texas (T104704534-18-4)
Xenco Phoenix (EPA Lab Code: AZ00901): Arizona (AZ0757)
Xenco-Atlanta (LELAP Lab ID #04176)
Xenco-Tampa: Florida (E87429), North Carolina (483)

08.08.2019

Project Manager: **Brett Krehbiel**
ARCADIS
1004 N. Big Spring St.
Midland, TX 79701

Reference: XENCO Report No(s): **621177**
Eunice Project- N. Eunice
Project Address: Eunice, NM.

Brett Krehbiel:

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 XENCO Report Number(s) 621177. 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 XENCO Laboratories. 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. 621177 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 XENCO Laboratories 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

Sample Cross Reference 621177

ARCADIS, Midland, TX

Eunice Project- N. Eunice

Sample Id	Matrix	Date Collected	Sample Depth	Lab Sample Id
MW057SA	W	04.15.2019 08:24		621177-001
MW043	W	04.15.2019 08:53		621177-002
MW050SA	W	04.15.2019 09:06		621177-003
MW051SA	W	04.15.2019 09:24		621177-004
MW079SA	W	04.15.2019 09:49		621177-005
IW003	W	04.15.2019 10:01		621177-006

CASE NARRATIVE

Client Name: ARCADIS

Project Name: Eunice Project- N. Eunice

Project ID: *B0048789*
Work Order Number(s): *621177*

Report Date: *08.08.2019*
Date Received: *04.15.2019*

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-3086376 TDS by SM2540C

Total Dissolved Solids detected in the blank above the MQL, therefore possible laboratory contamination indicating a potential high bias. Samples in the analytical batch are: 621177-001, -002, -003, -004, -005, -006.

Batch: LBA-3086447 Chloride by EPA 300

Lab Sample ID 621177-006 was randomly selected for Matrix Spike/Matrix Spike Duplicate (MS/MSD). Chloride 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: 621177-001, -002, -003, -004, -005, -006.

The Laboratory Control Sample for Chloride is within laboratory Control Limits, therefore the data was accepted.

Certificate of Analytical Results
621177
ARCADIS, Midland, TX
Eunice Project- N. Eunice

Sample Id: **MW057SA** Matrix: Water Sample Depth:

Lab Sample Id: 621177-001 Date Collected: 04.15.2019 08:24 Date Received: 04.15.2019 16:57

Analytical Method: Chloride by EPA 300 Prep Method: E300P

Analyst: CHE % Moist: Tech: CHE

Seq Number: 3086447 Date Prep: 04.19.2019 10:45

Prep seq: 7676194

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Chloride	16887-00-6	**357**	5.00	0.858	mg/L	04.19.2019 13:37		10

Analytical Method: TDS by SM2540C Prep Method:

Analyst: SPC % Moist: Tech: SPC

Seq Number: 3086376 Date Prep:

Prep seq:

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Total Dissolved Solids	1642222	**1500**	5.00	5.00	mg/L	04.19.2019 15:00		1

Analytical Method: Dissolved Metals by SW6020A Prep Method: 3010A

Analyst: DEP % Moist: Tech: DEP

Seq Number: 3086125 Date Prep: 04.18.2019 09:25

Subcontractor: SUB: T104704215-19-29 Prep seq: 7676022

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Arsenic	7440-38-2	**0.0124**	0.00400	0.000246	mg/L	04.18.2019 22:30		1
Iron	7439-89-6	**0.0850**	0.100	0.0227	mg/L	04.18.2019 22:30	J	1
Manganese	7439-96-5	**0.00340**	0.00200	0.000199	mg/L	04.18.2019 22:30		1
Chromium	7440-47-3	**0.0385**	0.00400	0.000525	mg/L	04.18.2019 22:30		1

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

Analyst: SPC % Moist: Tech: SPC

Seq Number: 3086366 Date Prep:

Prep seq:

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Chromium, Hexavalent	18540-29-9	**0.0343**	0.0100	0.00273	mg/L	04.16.2019 08:00		1

Certificate of Analytical Results
621177
ARCADIS, Midland, TX
Eunice Project- N. Eunice

Sample Id: **MW043** Matrix: Water Sample Depth:

Lab Sample Id: 621177-002 Date Collected: 04.15.2019 08:53 Date Received: 04.15.2019 16:57

Analytical Method: Chloride by EPA 300 Prep Method: E300P

Analyst: CHE % Moist: Tech: CHE

Seq Number: 3086447 Date Prep: 04.19.2019 10:45

Prep seq: 7676194

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Chloride	16887-00-6	**843**	10.0	1.72	mg/L	04.19.2019 13:57		20

Analytical Method: TDS by SM2540C Prep Method:

Analyst: SPC % Moist: Tech: SPC

Seq Number: 3086376 Date Prep:

Prep seq:

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Total Dissolved Solids	1642222	**1840**	5.00	5.00	mg/L	04.19.2019 15:00		1

Analytical Method: Dissolved Metals by SW6020A Prep Method: 3010A

Analyst: DEP % Moist: Tech: DEP

Seq Number: 3086125 Date Prep: 04.18.2019 09:25

Subcontractor: SUB: T104704215-19-29 Prep seq: 7676022

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Arsenic	7440-38-2	**0.00504**	0.00400	0.000246	mg/L	04.18.2019 22:33		1
Iron	7439-89-6	**0.593**	0.100	0.0227	mg/L	04.18.2019 22:33		1
Manganese	7439-96-5	**0.573**	0.00200	0.000199	mg/L	04.18.2019 22:33		1
Chromium	7440-47-3	**0.000894**	0.00400	0.000525	mg/L	04.18.2019 22:33	J	1

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

Analyst: SPC % Moist: Tech: SPC

Seq Number: 3086366 Date Prep:

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	04.16.2019 08:00	U	1

Certificate of Analytical Results
621177
ARCADIS, Midland, TX
Eunice Project- N. Eunice

Sample Id: **MW043** Matrix: Water Sample Depth:

Lab Sample Id: 621177-002 Date Collected: 04.15.2019 08:53 Date Received: 04.15.2019 16:57

Analytical Method: TPH By SW8015 Mod Prep Method: 1005

Analyst: ARM % Moist: Tech: ARM

Seq Number: 3087222 Date Prep: 04.27.2019 08:00

Prep seq: 7676726

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Gasoline Range Hydrocarbons	PHC610	<0.986	1.50	0.986	mg/L	04.27.2019 10:12	U	1
Diesel Range Organics	C10C28DRO	<0.911	1.50	0.911	mg/L	04.27.2019 10:12	U	1
Oil Range Hydrocarbons	PHCG2835	<0.911	1.50	0.911	mg/L	04.27.2019 10:12	U	1
Total TPH	PHC635	<0.911	1.50	0.911	mg/L	04.27.2019 10:12	U	1

Surrogate	% Recovery	Limits	Units	Analysis Date	Flag
1-Chlorooctane	100	70 - 135	%		
o-Terphenyl	102	70 - 135	%		

Analytical Method: BTEX by EPA 8021B Prep Method: 5030B

Analyst: SCM % Moist: Tech: SCM

Seq Number: 3086156 Date Prep: 04.17.2019 16:00

Prep seq: 7676070

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Benzene	71-43-2	<0.000408	0.00200	0.000408	mg/L	04.18.2019 06:32	U	1
Toluene	108-88-3	<0.000367	0.00200	0.000367	mg/L	04.18.2019 06:32	U	1
Ethylbenzene	100-41-4	<0.000657	0.00200	0.000657	mg/L	04.18.2019 06:32	U	1
m,p-Xylenes	179601-23-1	**0.00131**	0.00400	0.000630	mg/L	04.18.2019 06:32	J	1
o-Xylene	95-47-6	**0.00103**	0.00200	0.000642	mg/L	04.18.2019 06:32	J	1
Total Xylenes	1330-20-7	**0.00234**	0.00200	0.000630	mg/L	04.18.2019 06:32		1
Total BTEX		**0.00234**	0.00200	0.000367	mg/L	04.18.2019 06:32		1

Surrogate	% Recovery	Limits	Units	Analysis Date	Flag
1,4-Difluorobenzene	105	70 - 130	%		
4-Bromofluorobenzene	103	70 - 130	%		

Certificate of Analytical Results
621177
ARCADIS, Midland, TX
Eunice Project- N. Eunice

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

Lab Sample Id: 621177-003 Date Collected: 04.15.2019 09:06 Date Received: 04.15.2019 16:57

Analytical Method: Chloride by EPA 300 Prep Method: E300P

Analyst: CHE % Moist: Tech: CHE

Seq Number: 3086447 Date Prep: 04.19.2019 10:45

Prep seq: 7676194

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Chloride	16887-00-6	**1420**	25.0	4.29	mg/L	04.19.2019 14:03		50

Analytical Method: TDS by SM2540C Prep Method:

Analyst: SPC % Moist: Tech: SPC

Seq Number: 3086376 Date Prep:

Prep seq:

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Total Dissolved Solids	1642222	**3500**	5.00	5.00	mg/L	04.19.2019 15:00		1

Analytical Method: Dissolved Metals by SW6020A Prep Method: 3010A

Analyst: DEP % Moist: Tech: DEP

Seq Number: 3086125 Date Prep: 04.18.2019 09:25

Subcontractor: SUB: T104704215-19-29 Prep seq: 7676022

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Arsenic	7440-38-2	**0.00854**	0.00400	0.000246	mg/L	04.18.2019 22:36		1
Iron	7439-89-6	<0.0227	0.100	0.0227	mg/L	04.18.2019 22:36	U	1
Manganese	7439-96-5	**0.0191**	0.00200	0.000199	mg/L	04.18.2019 22:36		1
Chromium	7440-47-3	**0.329**	0.00400	0.000525	mg/L	04.18.2019 22:36		1

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

Analyst: SPC % Moist: Tech: SPC

Seq Number: 3086366 Date Prep:

Prep seq:

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Chromium, Hexavalent	18540-29-9	**0.290**	0.0100	0.00273	mg/L	04.16.2019 08:00		1

Certificate of Analytical Results
621177
ARCADIS, Midland, TX
Eunice Project- N. Eunice

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

Lab Sample Id: 621177-004 Date Collected: 04.15.2019 09:24 Date Received: 04.15.2019 16:57

Analytical Method: Chloride by EPA 300 Prep Method: E300P

Analyst: CHE % Moist: Tech: CHE

Seq Number: 3086447 Date Prep: 04.19.2019 10:45

Prep seq: 7676194

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Chloride	16887-00-6	**1220**	25.0	4.29	mg/L	04.19.2019 14:10		50

Analytical Method: TDS by SM2540C Prep Method:

Analyst: SPC % Moist: Tech: SPC

Seq Number: 3086376 Date Prep:

Prep seq:

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Total Dissolved Solids	1642222	**3160**	5.00	5.00	mg/L	04.19.2019 15:00		1

Analytical Method: Dissolved Metals by SW6020A Prep Method: 3010A

Analyst: DEP % Moist: Tech: DEP

Seq Number: 3086125 Date Prep: 04.18.2019 09:25

Subcontractor: SUB: T104704215-19-29 Prep seq: 7676022

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Arsenic	7440-38-2	**0.0126**	0.00400	0.000246	mg/L	04.18.2019 22:39		1
Iron	7439-89-6	<0.0227	0.100	0.0227	mg/L	04.18.2019 22:39	U	1
Manganese	7439-96-5	**0.00822**	0.00200	0.000199	mg/L	04.18.2019 22:39		1
Chromium	7440-47-3	**0.779**	0.00400	0.000525	mg/L	04.18.2019 22:39		1

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

Analyst: SPC % Moist: Tech: SPC

Seq Number: 3086366 Date Prep:

Prep seq:

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Chromium, Hexavalent	18540-29-9	**0.733**	0.0500	0.0136	mg/L	04.16.2019 08:00		5

Certificate of Analytical Results
621177

ARCADIS, Midland, TX

Eunice Project- N. Eunice

Sample Id: **MW079SA** Matrix: Water Sample Depth:

Lab Sample Id: 621177-005 Date Collected: 04.15.2019 09:49 Date Received: 04.15.2019 16:57

Analytical Method: Chloride by EPA 300 Prep Method: E300P

Analyst: CHE % Moist: Tech: CHE

Seq Number: 3086447 Date Prep: 04.19.2019 10:45

Prep seq: 7676194

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Chloride	16887-00-6	**271**	5.00	0.858	mg/L	04.19.2019 14:36		10

Analytical Method: TDS by SM2540C Prep Method:

Analyst: SPC % Moist: Tech: SPC

Seq Number: 3086376 Date Prep:

Prep seq:

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Total Dissolved Solids	1642222	**1140**	5.00	5.00	mg/L	04.19.2019 15:00		1

Analytical Method: Dissolved Metals by SW6020A Prep Method: 3010A

Analyst: DEP % Moist: Tech: DEP

Seq Number: 3086125 Date Prep: 04.18.2019 09:25

Subcontractor: SUB: T104704215-19-29 Prep seq: 7676022

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Arsenic	7440-38-2	**0.00583**	0.00400	0.000246	mg/L	04.18.2019 22:42		1
Iron	7439-89-6	**0.581**	0.100	0.0227	mg/L	04.18.2019 22:42		1
Manganese	7439-96-5	**0.0511**	0.00200	0.000199	mg/L	04.18.2019 22:42		1
Chromium	7440-47-3	**0.00103**	0.00400	0.000525	mg/L	04.18.2019 22:42	J	1

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

Analyst: SPC % Moist: Tech: SPC

Seq Number: 3086366 Date Prep:

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	04.16.2019 08:00	U	1

Certificate of Analytical Results
621177
ARCADIS, Midland, TX
Eunice Project- N. Eunice

Sample Id: **IW003** Matrix: Water Sample Depth:

Lab Sample Id: 621177-006 Date Collected: 04.15.2019 10:01 Date Received: 04.15.2019 16:57

Analytical Method: Chloride by EPA 300 Prep Method: E300P

Analyst: CHE % Moist: Tech: CHE

Seq Number: 3086447 Date Prep: 04.19.2019 10:45

Prep seq: 7676194

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Chloride	16887-00-6	**1130**	10.0	1.72	mg/L	04.19.2019 15:32		20

Analytical Method: TDS by SM2540C Prep Method:

Analyst: SPC % Moist: Tech: SPC

Seq Number: 3086376 Date Prep:

Prep seq:

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Total Dissolved Solids	1642222	**2410**	5.00	5.00	mg/L	04.19.2019 15:00		1

Analytical Method: Dissolved Metals by SW6020A Prep Method: 3010A

Analyst: DEP % Moist: Tech: DEP

Seq Number: 3086125 Date Prep: 04.18.2019 09:25

Subcontractor: SUB: T104704215-19-29 Prep seq: 7676022

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Arsenic	7440-38-2	**0.0157**	0.00400	0.000246	mg/L	04.18.2019 22:45		1
Iron	7439-89-6	**5.02**	0.100	0.0227	mg/L	04.18.2019 22:45		1
Manganese	7439-96-5	**3.74**	0.0400	0.00397	mg/L	05.02.2019 14:58	D	20
Chromium	7440-47-3	**0.00880**	0.00400	0.000525	mg/L	04.18.2019 22:45		1

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

Analyst: SPC % Moist: Tech: SPC

Seq Number: 3086366 Date Prep:

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	04.16.2019 08:00	U	1

Certificate of Analytical Results
621177
ARCADIS, Midland, TX
Eunice Project- N. Eunice

Sample Id: **3086366-1-BLK** Matrix: Water Sample Depth:
Lab Sample Id: 3086366-1-BLK Date Collected: Date Received:
Analytical Method: Chromium, Hexavalent by SW 7196A Prep Method:
Analyst: SPC % Moist: Tech: SPC
Seq Number: 3086366 Date Prep:
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	04.16.2019 08:00	U	1

Sample Id: **3086376-1-BLK** Matrix: Water Sample Depth:
Lab Sample Id: 3086376-1-BLK Date Collected: Date Received:
Analytical Method: TDS by SM2540C Prep Method:
Analyst: SPC % Moist: Tech: SPC
Seq Number: 3086376 Date Prep:
Prep seq:

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Total Dissolved Solids	1642222	**6.00**	5.00	5.00	mg/L	04.19.2019 15:00	B	1

Sample Id: **7676022-1-BLK** Matrix: Water Sample Depth:
Lab Sample Id: 7676022-1-BLK Date Collected: Date Received:
Analytical Method: Dissolved Metals by SW6020A Prep Method: 3010A
Analyst: DEP % Moist: Tech: DEP
Seq Number: 3086125 Date Prep: 04.18.2019 09:25
Subcontractor: SUB: T104704215-19-29 Prep seq: 7676022

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Arsenic	7440-38-2	<0.000246	0.00400	0.000246	mg/L	04.18.2019 13:54	U	1
Iron	7439-89-6	<0.0227	0.100	0.0227	mg/L	04.18.2019 13:54	U	1
Manganese	7439-96-5	<0.000199	0.00200	0.000199	mg/L	04.18.2019 13:54	U	1
Chromium	7440-47-3	<0.000525	0.00400	0.000525	mg/L	04.18.2019 13:54	U	1

Certificate of Analytical Results
621177
ARCADIS, Midland, TX
Eunice Project- N. Eunice

Sample Id: **7676070-1-BLK** Matrix: Water Sample Depth:

Lab Sample Id: 7676070-1-BLK Date Collected: Date Received:

Analytical Method: BTEX by EPA 8021B Prep Method: 5030B

Analyst: SCM % Moist: Tech: SCM

Seq Number: 3086156 Date Prep: 04.17.2019 16:00

Prep seq: 7676070

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Benzene	71-43-2	<0.000408	0.00200	0.000408	mg/L	04.18.2019 03:57	U	1
Toluene	108-88-3	<0.000367	0.00200	0.000367	mg/L	04.18.2019 03:57	U	1
Ethylbenzene	100-41-4	<0.000657	0.00200	0.000657	mg/L	04.18.2019 03:57	U	1
m,p-Xylenes	179601-23-1	<0.000630	0.00400	0.000630	mg/L	04.18.2019 03:57	U	1
o-Xylene	95-47-6	<0.000642	0.00200	0.000642	mg/L	04.18.2019 03:57	U	1
Total Xylenes	1330-20-7	<0.000630	0.00200	0.000630	mg/L	04.18.2019 03:57	U	1
Total BTEX		<0.000367	0.00200	0.000367	mg/L	04.18.2019 03:57	U	1

Surrogate	% Recovery	Limits	Units	Analysis Date	Flag
1,4-Difluorobenzene	102	70 - 130	%		
4-Bromofluorobenzene	112	70 - 130	%		

Sample Id: **7676194-1-BLK** Matrix: Water Sample Depth:

Lab Sample Id: 7676194-1-BLK Date Collected: Date Received:

Analytical Method: Chloride by EPA 300 Prep Method: E300P

Analyst: CHE % Moist: Tech: CHE

Seq Number: 3086447 Date Prep: 04.19.2019 10:45

Prep seq: 7676194

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Chloride	16887-00-6	<0.0858	0.500	0.0858	mg/L	04.19.2019 13:17	U	1

Certificate of Analytical Results
621177

ARCADIS, Midland, TX

Eunice Project- N. Eunice

Sample Id: **7676726-1-BLK** Matrix: Water Sample Depth:

Lab Sample Id: 7676726-1-BLK Date Collected: Date Received:

Analytical Method: TPH By SW8015 Mod Prep Method: 1005

Analyst: ARM % Moist: Tech: ARM

Seq Number: 3087222 Date Prep: 04.27.2019 08:00

Prep seq: 7676726

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Gasoline Range Hydrocarbons	PHC610	<0.986	1.50	0.986	mg/L	04.27.2019 09:11	U	1
Diesel Range Organics	C10C28DRO	<0.911	1.50	0.911	mg/L	04.27.2019 09:11	U	1
Oil Range Hydrocarbons	PHCG2835	<0.911	1.50	0.911	mg/L	04.27.2019 09:11	U	1
Total TPH	PHC635	<0.911	1.50	0.911	mg/L	04.27.2019 09:11	U	1

Surrogate	% Recovery	Limits	Units	Analysis Date	Flag
1-Chlorooctane	90	70 - 135	%		
o-Terphenyl	92	70 - 135	%		

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.

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

Form 2 - Surrogate Recoveries

Project Name: Eunice Project- N. Eunice

Work Orders : 621177 **Project ID:** B0048789

Lab Batch #: 3086156 **Sample:** 7676070-1-BKS / BKS **Batch:** 1 **Matrix:** Water

Units: mg/L **Date Analyzed:** 04.18.2019 02:23 **SURROGATE RECOVERY STUDY**

BTEX by EPA 8021B Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1,4-Difluorobenzene	0.0296	0.0300	99	70-130	
4-Bromofluorobenzene	0.0294	0.0300	98	70-130	

Lab Batch #: 3086156 **Sample:** 7676070-1-BSD / BSD **Batch:** 1 **Matrix:** Water

Units: mg/L **Date Analyzed:** 04.18.2019 02:42 **SURROGATE RECOVERY STUDY**

BTEX by EPA 8021B Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1,4-Difluorobenzene	0.0294	0.0300	98	70-130	
4-Bromofluorobenzene	0.0298	0.0300	99	70-130	

Lab Batch #: 3086156 **Sample:** 621022-008 S / MS **Batch:** 1 **Matrix:** Water

Units: mg/L **Date Analyzed:** 04.18.2019 03:01 **SURROGATE RECOVERY STUDY**

BTEX by EPA 8021B Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1,4-Difluorobenzene	0.0281	0.0300	94	70-130	
4-Bromofluorobenzene	0.0286	0.0300	95	70-130	

Lab Batch #: 3086156 **Sample:** 621022-008 SD / MSD **Batch:** 1 **Matrix:** Water

Units: mg/L **Date Analyzed:** 04.18.2019 03:20 **SURROGATE RECOVERY STUDY**

BTEX by EPA 8021B Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1,4-Difluorobenzene	0.0285	0.0300	95	70-130	
4-Bromofluorobenzene	0.0287	0.0300	96	70-130	

Lab Batch #: 3086156 **Sample:** 7676070-1-BLK / BLK **Batch:** 1 **Matrix:** Water

Units: mg/L **Date Analyzed:** 04.18.2019 03:57 **SURROGATE RECOVERY STUDY**

BTEX by EPA 8021B Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1,4-Difluorobenzene	0.0305	0.0300	102	70-130	
4-Bromofluorobenzene	0.0336	0.0300	112	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.

Form 2 - Surrogate Recoveries

Project Name: Eunice Project- N. Eunice

Work Orders : 621177 **Project ID:** B0048789

Lab Batch #: 3087222 **Sample:** 7676726-1-BLK / BLK **Batch:** 1 **Matrix:** Water

Units: mg/L **Date Analyzed:** 04.27.2019 09:11 **SURROGATE RECOVERY STUDY**

TPH By SW8015 Mod Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1-Chlorooctane	8.98	9.98	90	70-135	
o-Terphenyl	4.58	4.99	92	70-135	

Lab Batch #: 3087222 **Sample:** 7676726-1-BKS / BKS **Batch:** 1 **Matrix:** Water

Units: mg/L **Date Analyzed:** 04.27.2019 09:32 **SURROGATE RECOVERY STUDY**

TPH By SW8015 Mod Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1-Chlorooctane	12.2	9.99	122	70-135	
o-Terphenyl	5.19	5.00	104	70-135	

Lab Batch #: 3087222 **Sample:** 7676726-1-BSD / BSD **Batch:** 1 **Matrix:** Water

Units: mg/L **Date Analyzed:** 04.27.2019 09:52 **SURROGATE RECOVERY STUDY**

TPH By SW8015 Mod Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1-Chlorooctane	11.7	9.98	117	70-135	
o-Terphenyl	5.87	4.99	118	70-135	

Lab Batch #: 3087222 **Sample:** 621177-002 S / MS **Batch:** 1 **Matrix:** Water

Units: mg/L **Date Analyzed:** 04.27.2019 10:32 **SURROGATE RECOVERY STUDY**

TPH By SW8015 Mod Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1-Chlorooctane	11.6	9.99	116	70-135	
o-Terphenyl	5.51	4.99	110	70-135	

Lab Batch #: 3087222 **Sample:** 621177-002 SD / MSD **Batch:** 1 **Matrix:** Water

Units: mg/L **Date Analyzed:** 04.27.2019 10:52 **SURROGATE RECOVERY STUDY**

TPH By SW8015 Mod Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1-Chlorooctane	11.6	9.99	116	70-135	
o-Terphenyl	5.60	5.00	112	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.

BS / BSD Recoveries

Project Name: Eunice Project- N. Eunice

Work Order #: 621177 **Project ID:** B0048789

Analyst: SCM **Date Prepared:** 04.17.2019 **Date Analyzed:** 04.18.2019

Lab Batch ID: 3086156 **Sample:** 7676070-1-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	0.0969	97	0.100	0.0968	97	0	70-130	25	
Toluene	<0.000367	0.100	0.0939	94	0.100	0.0947	95	1	70-130	25	
Ethylbenzene	<0.000657	0.100	0.0974	97	0.100	0.0978	98	0	70-130	25	
m,p-Xylenes	<0.000630	0.200	0.193	97	0.200	0.194	97	1	70-130	25	
o-Xylene	<0.000642	0.100	0.0978	98	0.100	0.0989	99	1	70-130	25	

Analyst: CHE **Date Prepared:** 04.19.2019 **Date Analyzed:** 04.19.2019

Lab Batch ID: 3086447 **Sample:** 7676194-1-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	<0.0858	25.0	27.0	108	25.0	26.5	106	2	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

BS / BSD Recoveries

Project Name: Eunice Project- N. Eunice

Work Order #: 621177 **Project ID:** B0048789

Analyst: SPC **Date Prepared:** 04.16.2019 **Date Analyzed:** 04.16.2019

Lab Batch ID: 3086366 **Sample:** 3086366-1-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	0.0370	93	0.0400	0.0370	93	0	85-115	20	

Analyst: DEP **Date Prepared:** 04.18.2019 **Date Analyzed:** 04.18.2019

Lab Batch ID: 3086125 **Sample:** 7676022-1-BKS **Batch #:** 1 **Matrix:** Water

Units: mg/L

BLANK /BLANK SPIKE / BLANK SPIKE DUPLICATE RECOVERY STUDY

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	0.0998	100	0	80-120	20	
Iron	<0.0227	0.500	0.495	99	0.500	0.497	99	0	80-120	20	
Manganese	<0.000199	0.100	0.0988	99	0.100	0.0987	99	0	80-120	20	
Chromium	<0.000525	0.100	0.0989	99	0.100	0.0998	100	1	80-120	20	

Analyst: SPC **Date Prepared:** 04.19.2019 **Date Analyzed:** 04.19.2019

Lab Batch ID: 3086376 **Sample:** 3086376-1-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	6.00	1000	989	99	1000	987	99	0	80-120	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

BS / BSD Recoveries

Project Name: Eunice Project- N. Eunice

Work Order #: 621177 **Project ID:** B0048789

Analyst: ARM **Date Prepared:** 04.27.2019 **Date Analyzed:** 04.27.2019

Lab Batch ID: 3087222 **Sample:** 7676726-1-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	<0.987	99.9	97.3	97	99.8	94.6	95	3	70-135	20	
Diesel Range Organics	<0.911	99.9	97.2	97	99.8	94.2	94	3	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

Form 3 - MS / MSD Recoveries

Project Name: Eunice Project- N. Eunice

Work Order # : 621177 **Project ID:** B0048789

Lab Batch ID: 3086156 **QC- Sample ID:** 621022-008 S **Batch #:** 1 **Matrix:** Water

Date Analyzed: 04.18.2019 **Date Prepared:** 04.17.2019 **Analyst:** SCM

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	0.0856	86	0.100	0.0869	87	2	70-130	25	
Toluene	<0.000367	0.100	0.0883	88	0.100	0.0875	88	1	70-130	25	
Ethylbenzene	<0.000657	0.100	0.0931	93	0.100	0.0917	92	2	70-130	25	
m,p-Xylenes	<0.000630	0.200	0.185	93	0.200	0.182	91	2	70-130	25	
o-Xylene	<0.000642	0.100	0.0930	93	0.100	0.0919	92	1	70-130	25	

Lab Batch ID: 3086447 **QC- Sample ID:** 621177-001 S **Batch #:** 1 **Matrix:** Water

Date Analyzed: 04.19.2019 **Date Prepared:** 04.19.2019 **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	357	250	600	97	250	605	99	1	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.

Form 3 - MS / MSD Recoveries

Project Name: Eunice Project- N. Eunice

Work Order # : 621177 **Project ID:** B0048789

Lab Batch ID: 3086447 **QC- Sample ID:** 621177-006 S **Batch #:** 1 **Matrix:** Water

Date Analyzed: 04.19.2019 **Date Prepared:** 04.19.2019 **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	1130	500	1520	78	500	1510	76	1	90-110	20	X

Lab Batch ID: 3086366 **QC- Sample ID:** 621177-001 S **Batch #:** 1 **Matrix:** Water

Date Analyzed: 04.16.2019 **Date Prepared:** 04.16.2019 **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	0.0343	0.200	0.242	104	0.200	0.242	104	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.

Form 3 - MS / MSD Recoveries

Project Name: Eunice Project- N. Eunice

Work Order # : 621177 **Project ID:** B0048789

Lab Batch ID: 3086125 **QC- Sample ID:** 620722-001 S **Batch #:** 1 **Matrix:** Ground Water

Date Analyzed: 04.18.2019 **Date Prepared:** 04.18.2019 **Analyst:** DEP

Reporting Units: mg/L

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY STUDY

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	<0.000246	0.100	0.0943	94	0.100	0.0965	97	2	75-125	20	
Iron	4.40	0.500	5.07	134	0.500	5.03	126	1	75-125	20	X
Manganese	7.91	0.100	8.13	220	0.100	8.12	210	0	75-125	20	X
Chromium	<0.000525	0.100	0.0977	98	0.100	0.101	101	3	75-125	20	

Lab Batch ID: 3087222 **QC- Sample ID:** 621177-002 S **Batch #:** 1 **Matrix:** Water

Date Analyzed: 04.27.2019 **Date Prepared:** 04.27.2019 **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	<0.986	99.9	93.4	93	99.9	92.5	93	1	70-135	20	
Diesel Range Organics	<0.911	99.9	93.8	94	99.9	92.1	92	2	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

Project Name: Eunice Project- N. Eunice

Work Order #: 621177

Lab Batch #: 3086376 **Project ID:** B0048789
Date Analyzed: 04.19.2019 15:00 **Date Prepared:** 04.19.2019 **Analyst:** SPC
QC- Sample ID: 621177-001 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	1500	1550	3	10	

Lab Batch #: 3086376
Date Analyzed: 04.19.2019 15:00 **Date Prepared:** 04.19.2019 **Analyst:** SPC
QC- Sample ID: 621177-006 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	2410	2390	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: 621177

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:	Brett Krehbiel	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:	916-786-5382	Email:	brett.krehbiel@arcadis.com

Work Order Comments

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

Project Name:	Eunice Project-N. Eunice	Turn Around	
Project Number:	30048785	Routine ☑	
P.O. Number:	30048785	Rush:	
Sampler's Name:	Jerry S. Longwell	Due Date:	

SAMPLE RECEIPT			
Temp Blank:	Yes (No)	Wet Ice:	(Yes) No
Temperature (°C):	0-3/0.2	Thermometer ID:	
Received Intact:	(Yes) No		
Cooler Custody Seals:	Yes (No) N/A	Correction Factor:	-0.1
Sample Custody Seals:	Yes (No) N/A	Total Containers:	

Sample Identification	Matrix	Date Sampled	Time Sampled	Depth	Number of Containers	BTEX (SW8021)	TPH (SW8015)	Hex Chrome (SW7196A)	Dissolved Metals (SW6020_DIS): Aresenic, Maganese, Iron & Chromium	TDS (SW2540)	Chlorides (E300)
MW0575A	W	04/15/19	0824		3			✓	✓	✓	✓
MW0493	W	04/15/19	0853		8	✓	✓	✓	✓	✓	✓
MW0505A	W	04/15/19	0826		3			✓	✓	✓	✓
MW0515A	W	04/15/19	0824		3			✓	✓	✓	✓
~~MW0551A~~ MW0785A	W	04/15/19	0949		3			✓	✓	✓	✓
DUP003	W	04/15/19	1001		3			✓	✓	✓	✓

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 04/15/19	4/15/19	4/15/19	2 4/15/19		4/15/19 1657
3			4		
5			6		

Revised Date 051418 Rev. 2018.1

Received by OCD: 3/25/2020 3:45:40 PM
Final 1.005
Page 25 of 28
Released to Imaging: 6/14/2022 10:44:20 AM

Inter-Office Shipment

IOS Number : 37114

Date/Time:	04.16.2019 10:01	Created by:	Katie Lowe	Please send report to:	Brandi Ritcherson
Lab# From:	**Midland**	Delivery Priority:		Address:	1211 W. Florida Ave
Lab# To:	**Houston**	Air Bill No.:	774988048270	E-Mail:	brandi.ritcherson@xenco.com

Sample Id	Matrix	Client Sample Id	Sample Collection	Method	Method Name	Lab Due	HT Due	PM	Analytes	Sign
621177-001	W	MW0575A	04.15.2019 08:24	SW6020_DIS	Dissolved Metals by SW6020A	04.19.2019	10.12.2019	BAR	AS CR FE	
621177-002	W	MW043	04.15.2019 08:53	SW6020_DIS	Dissolved Metals by SW6020A	04.19.2019	10.12.2019	BAR	AS CR FE	
621177-003	W	MW0505A	04.15.2019 09:06	SW6020_DIS	Dissolved Metals by SW6020A	04.19.2019	10.12.2019	BAR	AS CR FE	
621177-004	W	MW0515AA	04.15.2019 09:24	SW6020_DIS	Dissolved Metals by SW6020A	04.19.2019	10.12.2019	BAR	AS CR FE	
621177-005	W	MW0795A	04.15.2019 09:49	SW6020_DIS	Dissolved Metals by SW6020A	04.19.2019	10.12.2019	BAR	AS CR FE	
621177-006	W	IW003	04.15.2019 10:01	SW6020_DIS	Dissolved Metals by SW6020A	04.19.2019	10.12.2019	BAR	AS CR FE	

Inter Office Shipment or Sample Comments:

Relinquished By: Katie Lowe

Date Relinquished: 04.16.2019

Received By: Monica Shakhshir

Date Received: 04.17.2019 09:45

Cooler Temperature: 2.1

XENCO Laboratories

Inter Office Report- Sample Receipt Checklist

Sent To: Houston

IOS #: 37114

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

Sent By: Katie Lowe **Date Sent:** 04/16/2019 10:01 AM

Received By: Monica Shakhshir **Date Received:** 04/17/2019 09:45 AM

Sample Receipt Checklist		Comments
#1 *Temperature of cooler(s)?	2.1	
#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: _____ Date: 04/17/2019

Monica Shakhshir

XENCO Laboratories

Prelogin/Nonconformance Report- Sample Log-In

Client: ARCADIS

Date/ Time Received: 04/15/2019 04:57:00 PM

Work Order #: 621177

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

Temperature Measuring device used : R8

Sample Receipt Checklist		Comments
#1 *Temperature of cooler(s)?	.2	
#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?	**Yes**	

*** Must be completed for after-hours delivery of samples prior to placing in the refrigerator**

Analyst: BT

PH Device/Lot#: A023690

Checklist completed by: Katie Lowe Date: 04/15/2019

Checklist reviewed by: Brandi Ritcherson Date: 04/17/2019

Analytical Report 621180

for

ARCADIS

Project Manager: Brett Krehbiel

Eunice Project- N. Eunice

B0048789

08.08.2019

Collected By: Client

1211 W. Florida Ave
Midland TX 79701

Xenco-Houston (EPA Lab Code: TX00122):
Texas (T104704215-19-29), Arizona (AZ0765), Florida (E871002-24), Louisiana (03054)
Oklahoma (2017-142), North Carolina (681)

Xenco-Dallas (EPA Lab Code: TX01468):
Texas (T104704295-19-19), Arizona (AZ0809), Arkansas (17-063-0)

Xenco-El Paso (EPA Lab Code: TX00127): Texas (T104704221-18-14)
Xenco-Lubbock (EPA Lab Code: TX00139): Texas (T104704219-19-20)
Xenco-Midland (EPA Lab Code: TX00158): Texas (T104704400-18-18)
Xenco-San Antonio (EPA Lab Code: TNI02385): Texas (T104704534-18-4)
Xenco Phoenix (EPA Lab Code: AZ00901): Arizona (AZ0757)
Xenco-Atlanta (LELAP Lab ID #04176)
Xenco-Tampa: Florida (E87429), North Carolina (483)

08.08.2019

Project Manager: **Brett Krehbiel**
ARCADIS
1004 N. Big Spring St.
Midland, TX 79701

Reference: XENCO Report No(s): **621180**
Eunice Project- N. Eunice
Project Address: Eunice, NM.

Brett Krehbiel:

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 XENCO Report Number(s) 621180. 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 XENCO Laboratories. 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. 621180 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 XENCO Laboratories 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

Released to Imaging: 6/14/2022 10:44:20 AM

Sample Cross Reference 621180

ARCADIS, Midland, TX

Eunice Project- N. Eunice

Sample Id	Matrix	Date Collected	Sample Depth	Lab Sample Id
MW023	W	04.15.2019 14:10		621180-001
MW059	W	04.15.2019 14:30		621180-002
MW031	W	04.15.2019 14:50		621180-003
MW069	W	04.15.2019 15:15		621180-004
MW068	W	04.15.2019 15:37		621180-005

CASE NARRATIVE

Client Name: ARCADIS

Project Name: Eunice Project- N. Eunice

Project ID: *B0048789*
Work Order Number(s): *621180*

Report Date: *08.08.2019*
Date Received: *04.15.2019*

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-3086376 TDS by SM2540C

Total Dissolved Solids detected in the blank above the MQL, therefore possible laboratory contamination indicating a potential high bias. Samples in the analytical batch are: 621180-001, -002, -003, -004, -005.

Batch: LBA-3086431 Dissolved Metals by SW6020A

621180-004/005 Samples diluted because of sample matrix leading to the failure of internal standard

Certificate of Analytical Results
621180
ARCADIS, Midland, TX
Eunice Project- N. Eunice

Sample Id: **MW023** Matrix: Water Sample Depth:

Lab Sample Id: 621180-001 Date Collected: 04.15.2019 14:10 Date Received: 04.15.2019 17:30

Analytical Method: Chloride by EPA 300 Prep Method: E300P

Analyst: CHE % Moist: Tech: CHE

Seq Number: 3086447 Date Prep: 04.19.2019 10:45

Prep seq: 7676194

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Chloride	16887-00-6	**860**	25.0	4.29	mg/L	04.19.2019 14:43		50

Analytical Method: TDS by SM2540C Prep Method:

Analyst: SPC % Moist: Tech: SPC

Seq Number: 3086376 Date Prep:

Prep seq:

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Total Dissolved Solids	1642222	**3150**	5.00	5.00	mg/L	04.19.2019 15:00		1

Analytical Method: Dissolved Metals by SW6020A Prep Method: 3010A

Analyst: DEP % Moist: Tech: DEP

Seq Number: 3086431 Date Prep: 04.19.2019 08:10

Subcontractor: SUB: T104704215-19-29 Prep seq: 7676123

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Arsenic	7440-38-2	**0.00878**	0.00400	0.000246	mg/L	04.19.2019 21:10		1
Iron	7439-89-6	**0.0352**	0.100	0.0227	mg/L	04.19.2019 21:10	J	1
Manganese	7439-96-5	**0.00488**	0.00200	0.000199	mg/L	04.19.2019 21:10		1
Chromium	7440-47-3	**2.22**	0.0800	0.0105	mg/L	04.22.2019 13:37	D	20

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

Analyst: SPC % Moist: Tech: SPC

Seq Number: 3086368 Date Prep:

Prep seq:

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Chromium, Hexavalent	18540-29-9	**2.07**	0.100	0.0273	mg/L	04.16.2019 08:00		10

Certificate of Analytical Results
621180
ARCADIS, Midland, TX
Eunice Project- N. Eunice

Sample Id: **MW059** Matrix: Water Sample Depth:

Lab Sample Id: 621180-002 Date Collected: 04.15.2019 14:30 Date Received: 04.15.2019 17:30

Analytical Method: Chloride by EPA 300 Prep Method: E300P

Analyst: CHE % Moist: Tech: CHE

Seq Number: 3086447 Date Prep: 04.19.2019 10:45

Prep seq: 7676194

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Chloride	16887-00-6	**891**	10.0	1.72	mg/L	04.19.2019 14:49		20

Analytical Method: TDS by SM2540C Prep Method:

Analyst: SPC % Moist: Tech: SPC

Seq Number: 3086376 Date Prep:

Prep seq:

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Total Dissolved Solids	1642222	**2950**	5.00	5.00	mg/L	04.19.2019 15:00		1

Analytical Method: Dissolved Metals by SW6020A Prep Method: 3010A

Analyst: DEP % Moist: Tech: DEP

Seq Number: 3086431 Date Prep: 04.19.2019 08:10

Subcontractor: SUB: T104704215-19-29 Prep seq: 7676123

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Arsenic	7440-38-2	**0.0148**	0.00400	0.000246	mg/L	04.19.2019 21:12		1
Iron	7439-89-6	<0.0227	0.100	0.0227	mg/L	04.19.2019 21:12	U	1
Manganese	7439-96-5	**0.00107**	0.00200	0.000199	mg/L	04.19.2019 21:12	J	1
Chromium	7440-47-3	**0.460**	0.00400	0.000525	mg/L	04.30.2019 20:56		1

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

Analyst: SPC % Moist: Tech: SPC

Seq Number: 3086368 Date Prep:

Prep seq:

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Chromium, Hexavalent	18540-29-9	**0.401**	0.0100	0.00273	mg/L	04.16.2019 08:00		1

Certificate of Analytical Results
621180

ARCADIS, Midland, TX

Eunice Project- N. Eunice

Sample Id: **MW031** Matrix: Water Sample Depth:

Lab Sample Id: 621180-003 Date Collected: 04.15.2019 14:50 Date Received: 04.15.2019 17:30

Analytical Method: Chloride by EPA 300 Prep Method: E300P

Analyst: CHE % Moist: Tech: CHE

Seq Number: 3086447 Date Prep: 04.19.2019 10:45

Prep seq: 7676194

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Chloride	16887-00-6	**263**	2.50	0.429	mg/L	04.19.2019 14:56		5

Analytical Method: TDS by SM2540C Prep Method:

Analyst: SPC % Moist: Tech: SPC

Seq Number: 3086376 Date Prep:

Prep seq:

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Total Dissolved Solids	1642222	**874**	5.00	5.00	mg/L	04.19.2019 15:00		1

Analytical Method: Dissolved Metals by SW6020A Prep Method: 3010A

Analyst: DEP % Moist: Tech: DEP

Seq Number: 3086431 Date Prep: 04.19.2019 08:10

Subcontractor: SUB: T104704215-19-29 Prep seq: 7676123

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Arsenic	7440-38-2	**0.0847**	0.00400	0.000246	mg/L	04.19.2019 21:15		1
Iron	7439-89-6	**3.36**	0.100	0.0227	mg/L	04.19.2019 21:15		1
Manganese	7439-96-5	**0.866**	0.00200	0.000199	mg/L	04.19.2019 21:15		1
Chromium	7440-47-3	<0.000525	0.00400	0.000525	mg/L	04.19.2019 21:15	U	1

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

Analyst: SPC % Moist: Tech: SPC

Seq Number: 3086368 Date Prep:

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	04.16.2019 08:00	U	1

Certificate of Analytical Results
621180
ARCADIS, Midland, TX
Eunice Project- N. Eunice

Sample Id: **MW069** Matrix: Water Sample Depth:

Lab Sample Id: 621180-004 Date Collected: 04.15.2019 15:15 Date Received: 04.15.2019 17:30

Analytical Method: Chloride by EPA 300 Prep Method: E300P

Analyst: CHE % Moist: Tech: CHE

Seq Number: 3086447 Date Prep: 04.19.2019 10:45

Prep seq: 7676194

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Chloride	16887-00-6	**9650**	50.0	8.58	mg/L	04.22.2019 10:12		100

Analytical Method: TDS by SM2540C Prep Method:

Analyst: SPC % Moist: Tech: SPC

Seq Number: 3086376 Date Prep:

Prep seq:

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Total Dissolved Solids	1642222	**14800**	5.00	5.00	mg/L	04.19.2019 15:00		1

Analytical Method: Dissolved Metals by SW6020A Prep Method: 3010A

Analyst: DEP % Moist: Tech: DEP

Seq Number: 3086431 Date Prep: 04.19.2019 08:10

Subcontractor: SUB: T104704215-19-29 Prep seq: 7676123

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Arsenic	7440-38-2	**0.0113**	0.0200	0.00123	mg/L	04.22.2019 13:11	JD	5
Iron	7439-89-6	<0.114	0.500	0.114	mg/L	04.22.2019 13:11	UD	5
Manganese	7439-96-5	**0.0902**	0.0100	0.000993	mg/L	04.22.2019 13:11	D	5
Chromium	7440-47-3	<0.00262	0.0200	0.00262	mg/L	04.22.2019 13:11	UD	5

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

Analyst: SPC % Moist: Tech: SPC

Seq Number: 3086368 Date Prep:

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	04.16.2019 08:00	U	1

Certificate of Analytical Results
621180

ARCADIS, Midland, TX

Eunice Project- N. Eunice

Sample Id: **MW068** Matrix: Water Sample Depth:

Lab Sample Id: 621180-005 Date Collected: 04.15.2019 15:37 Date Received: 04.15.2019 17:30

Analytical Method: Chloride by EPA 300 Prep Method: E300P

Analyst: CHE % Moist: Tech: CHE

Seq Number: 3086447 Date Prep: 04.19.2019 10:45

Prep seq: 7676194

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Chloride	16887-00-6	**7100**	25.0	4.29	mg/L	04.19.2019 15:25		50

Analytical Method: TDS by SM2540C Prep Method:

Analyst: SPC % Moist: Tech: SPC

Seq Number: 3086376 Date Prep:

Prep seq:

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Total Dissolved Solids	1642222	**10500**	5.00	5.00	mg/L	04.19.2019 15:00		1

Analytical Method: Dissolved Metals by SW6020A Prep Method: 3010A

Analyst: DEP % Moist: Tech: DEP

Seq Number: 3086431 Date Prep: 04.19.2019 08:10

Subcontractor: SUB: T104704215-19-29 Prep seq: 7676123

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Arsenic	7440-38-2	**0.0180**	0.0200	0.00123	mg/L	04.22.2019 13:14	JD	5
Iron	7439-89-6	**1.66**	0.500	0.114	mg/L	04.22.2019 13:14	D	5
Manganese	7439-96-5	**2.87**	0.0100	0.000993	mg/L	04.22.2019 13:14	D	5
Chromium	7440-47-3	<0.00262	0.0200	0.00262	mg/L	04.22.2019 13:14	UD	5

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

Analyst: SPC % Moist: Tech: SPC

Seq Number: 3086368 Date Prep:

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	04.16.2019 08:00	U	1

Certificate of Analytical Results
621180
ARCADIS, Midland, TX
Eunice Project- N. Eunice

Sample Id: **3086368-1-BLK** Matrix: Water Sample Depth:
Lab Sample Id: 3086368-1-BLK Date Collected: Date Received:
Analytical Method: Chromium, Hexavalent by SW 7196A Prep Method:
Analyst: SPC % Moist: Tech: SPC
Seq Number: 3086368 Date Prep:
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	04.16.2019 08:00	U	1

Sample Id: **3086376-1-BLK** Matrix: Water Sample Depth:
Lab Sample Id: 3086376-1-BLK Date Collected: Date Received:
Analytical Method: TDS by SM2540C Prep Method:
Analyst: SPC % Moist: Tech: SPC
Seq Number: 3086376 Date Prep:
Prep seq:

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Total Dissolved Solids	1642222	**6.00**	5.00	5.00	mg/L	04.19.2019 15:00	B	1

Sample Id: **7676123-1-BLK** Matrix: Water Sample Depth:
Lab Sample Id: 7676123-1-BLK Date Collected: Date Received:
Analytical Method: Dissolved Metals by SW6020A Prep Method: 3010A
Analyst: DEP % Moist: Tech: DEP
Seq Number: 3086431 Date Prep: 04.19.2019 08:10
Subcontractor: SUB: T104704215-19-29 Prep seq: 7676123

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Arsenic	7440-38-2	<0.000246	0.00400	0.000246	mg/L	04.19.2019 20:40	U	1
Iron	7439-89-6	<0.0227	0.100	0.0227	mg/L	04.19.2019 20:40	U	1
Manganese	7439-96-5	<0.000199	0.00200	0.000199	mg/L	04.19.2019 20:40	U	1
Chromium	7440-47-3	<0.000525	0.00400	0.000525	mg/L	04.19.2019 20:40	U	1

Certificate of Analytical Results
621180

ARCADIS, Midland, TX

Eunice Project- N. Eunice

Sample Id: **7676194-1-BLK** Matrix: Water Sample Depth:

Lab Sample Id: 7676194-1-BLK Date Collected: Date Received:

Analytical Method: Chloride by EPA 300 Prep Method: E300P

Analyst: CHE % Moist: Tech: CHE

Seq Number: 3086447 Date Prep: 04.19.2019 10:45

Prep seq: 7676194

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Chloride	16887-00-6	<0.0858	0.500	0.0858	mg/L	04.19.2019 13:17	U	1

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.

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

BS / BSD Recoveries

Project Name: Eunice Project- N. Eunice

Work Order #: 621180 **Project ID:** B0048789

Analyst: CHE **Date Prepared:** 04.19.2019 **Date Analyzed:** 04.19.2019

Lab Batch ID: 3086447 **Sample:** 7676194-1-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	<0.0858	25.0	27.0	108	25.0	26.5	106	2	90-110	20	

Analyst: SPC **Date Prepared:** 04.16.2019 **Date Analyzed:** 04.16.2019

Lab Batch ID: 3086368 **Sample:** 3086368-1-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	0.0383	96	0.0400	0.0382	96	0	85-115	20	

Analyst: DEP **Date Prepared:** 04.19.2019 **Date Analyzed:** 04.19.2019

Lab Batch ID: 3086431 **Sample:** 7676123-1-BKS **Batch #:** 1 **Matrix:** Water

Units: mg/L

BLANK /BLANK SPIKE / BLANK SPIKE DUPLICATE RECOVERY STUDY

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	0.0951	95	0.100	0.0966	97	2	80-120	20	
Iron	<0.0227	0.500	0.478	96	0.500	0.486	97	2	80-120	20	
Manganese	<0.000199	0.100	0.0941	94	0.100	0.0967	97	3	80-120	20	
Chromium	<0.000525	0.100	0.0950	95	0.100	0.0969	97	2	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

BS / BSD Recoveries

Project Name: Eunice Project- N. Eunice

Work Order #: 621180 **Project ID:** B0048789

Analyst: SPC **Date Prepared:** 04.19.2019 **Date Analyzed:** 04.19.2019

Lab Batch ID: 3086376 **Sample:** 3086376-1-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	6.00	1000	989	99	1000	987	99	0	80-120	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

Form 3 - MS / MSD Recoveries

Project Name: Eunice Project- N. Eunice

Work Order # : 621180 **Project ID:** B0048789

Lab Batch ID: 3086447 **QC- Sample ID:** 621177-001 S **Batch #:** 1 **Matrix:** Water

Date Analyzed: 04.19.2019 **Date Prepared:** 04.19.2019 **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	357	250	600	97	250	605	99	1	90-110	20	

Lab Batch ID: 3086447 **QC- Sample ID:** 621177-006 S **Batch #:** 1 **Matrix:** Water

Date Analyzed: 04.19.2019 **Date Prepared:** 04.19.2019 **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	1130	500	1520	78	500	1510	76	1	90-110	20	X

Lab Batch ID: 3086368 **QC- Sample ID:** 621180-005 S **Batch #:** 1 **Matrix:** Water

Date Analyzed: 04.16.2019 **Date Prepared:** 04.16.2019 **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	0.162	81	0.200	0.162	81	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.

Form 3 - MS / MSD Recoveries

Project Name: Eunice Project- N. Eunice

Work Order # : 621180 **Project ID:** B0048789

Lab Batch ID: 3086431 **QC- Sample ID:** 621323-002 S **Batch #:** 1 **Matrix:** Water

Date Analyzed: 04.22.2019 **Date Prepared:** 04.19.2019 **Analyst:** DEP

Reporting Units: mg/L

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY STUDY

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	<0.00246	0.100	0.106	106	0.100	0.104	104	2	75-125	20	
Iron	29.7	0.500	30.5	160	0.500	30.5	160	0	75-125	20	X
Manganese	34.8	0.100	35.3	500	0.100	35.4	NC	0	75-125	20	X
Chromium	<0.00525	0.100	0.103	103	0.100	0.104	104	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

Project Name: Eunice Project- N. Eunice

Work Order #: 621180

Lab Batch #: 3086376 **Project ID:** B0048789
Date Analyzed: 04.19.2019 15:00 **Date Prepared:** 04.19.2019 **Analyst:** SPC
QC- Sample ID: 621177-001 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	1500	1550	3	10	

Lab Batch #: 3086376
Date Analyzed: 04.19.2019 15:00 **Date Prepared:** 04.19.2019 **Analyst:** SPC
QC- Sample ID: 621177-006 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	2410	2390	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

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 Craslbad, NM (432) 704-5440
Phoenix,AZ (480) 355-0900 Atlanta,GA (770) 449-8800 Tampa,FL (813) 620-2000 West Palm Beach, FL (561) 689-6701

Work Order No: 621180

www.xenco.com Page 1 of 1

Project Manager:	Brett Krahbiel	**Bill to: (if different)**	NA
Company Name:	Arcadis	**Company Name:**	NA
Address:	1004 N. Big Spring St.	**Address:**	NA
City, State ZIP:	Midland, TX 79701	**City, State ZIP:**	NA
Phone:	916-786-5382	**Email:**	brett.krahbiel@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:	80048789	Routine ☑	
Project Location	80048789	Rush:	
Sampler's Name:	Ryan Manny	Due Date:	
PO #:		**Quote #:**	

SAMPLE RECEIPT	**Temp Blank:** Yes No	**Wet Ice:** Yes No	
Temperature (°C):	7.6 °C	**Thermometer ID**	
Received Intact:	Yes No		
Cooler Custody Seals:	Yes No N/A	**Correction Factor:**	
Sample Custody Seals:	Yes No N/A	**Total Containers:**	

ANALYSIS REQUEST

Preservative Codes

MeOH: Me
None: NO
HNO3: HN
H2S04: H2
HCL: HL
NaOH: Na
Zn Acetate+ NaOH: Zn

TAT starts the day recevied by the lab, if received by 4:00pm

Lab ID	Sample Identification	Matrix	Date Sampled	Time Sampled	Depth	Number of Containers	Pres. Code	Hex Chrome (SW 7196A)	Dissolved Metals (6020: Dissolved Arsenic, Magnesium, Potassium)	TDS (SW 2540), Chloride (E300)	Sample Comments
	MW023	W	4-15-19	1410	NA	3		1	1	1	
	MW059	W	4-15-19	1430	NA	3		1	1	1	
	MW031	W	4-15-19	1450	NA	3		1	1	1	
	MW069	W	4-15-19	1515	NA	3		1	1	1	
	MW068	W	4-15-19	1537	NA	3		1	1	1	

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			4/15/19 1730	2			
3				4			
5				6			

Revised Date 022619 Rev. 2019.1

Received by OCD: 3/25/2020 3:45:40 PM
Page 18 of 21
Final 1.002
Released to Imaging: 6/14/2022 10:44:20 AM

Inter-Office Shipment

IOS Number : 37121

Date/Time:	04.16.2019 11:17	Created by:	Katie Lowe	Please send report to:	Brandi Ritcherson
Lab# From:	**Midland**	Delivery Priority:		Address:	1211 W. Florida Ave
Lab# To:	**Houston**	Air Bill No.:	774988048270	E-Mail:	brandi.ritcherson@xenco.com

Sample Id	Matrix	Client Sample Id	Sample Collection	Method	Method Name	Lab Due	HT Due	PM	Analytes	Sign
621180-001	W	MW023	04.15.2019 14:10	SW6020_DIS	Dissolved Metals by SW6020A	04.19.2019	10.12.2019	BAR	AS CR FE MN	
621180-002	W	MW059	04.15.2019 14:30	SW6020_DIS	Dissolved Metals by SW6020A	04.19.2019	10.12.2019	BAR	AS CR FE MN	
621180-003	W	MW031	04.15.2019 14:50	SW6020_DIS	Dissolved Metals by SW6020A	04.19.2019	10.12.2019	BAR	AS CR FE MN	
621180-004	W	MW069	04.15.2019 15:15	SW6020_DIS	Dissolved Metals by SW6020A	04.19.2019	10.12.2019	BAR	AS CR FE MN	
621180-005	W	MW068	04.15.2019 15:37	SW6020_DIS	Dissolved Metals by SW6020A	04.19.2019	10.12.2019	BAR	AS CR FE MN	

Inter Office Shipment or Sample Comments:

Relinquished By: Katie Lowe

Date Relinquished: 04.16.2019

Received By: Monica Shakhshir

Date Received: 04.17.2019 09:45

Cooler Temperature: 2.1

XENCO Laboratories

Inter Office Report- Sample Receipt Checklist

Sent To: Houston

IOS #: 37121

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

Sent By: Katie Lowe **Date Sent:** 04/16/2019 11:17 AM

Received By: Monica Shakhshir **Date Received:** 04/17/2019 09:45 AM

Sample Receipt Checklist		Comments
#1 *Temperature of cooler(s)?	2.1	
#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: _____ Date: 04/17/2019

Monica Shakhshir

XENCO Laboratories

Prelogin/Nonconformance Report- Sample Log-In

Client: ARCADIS

Date/ Time Received: 04/15/2019 05:30:00 PM

Work Order #: 621180

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

Temperature Measuring device used : R8

Sample Receipt Checklist		Comments
#1 *Temperature of cooler(s)?	7.5	
#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: BT

PH Device/Lot#: A023690

Checklist completed by: Katie Lowe Date: 04/15/2019

Checklist reviewed by: Kelsey Brooks Date: 04/17/2019

Analytical Report 621298

for

ARCADIS

Project Manager: Brett Krehbiel

Eunice Project- N. Eunice

08.08.2019

Collected By: Client

1211 W. Florida Ave
Midland TX 79701

Xenco-Houston (EPA Lab Code: TX00122):
Texas (T104704215-19-29), Arizona (AZ0765), Florida (E871002-24), Louisiana (03054)
Oklahoma (2017-142), North Carolina (681)

Xenco-Dallas (EPA Lab Code: TX01468):
Texas (T104704295-19-19), Arizona (AZ0809), Arkansas (17-063-0)

Xenco-El Paso (EPA Lab Code: TX00127): Texas (T104704221-18-14)
Xenco-Lubbock (EPA Lab Code: TX00139): Texas (T104704219-19-20)
Xenco-Midland (EPA Lab Code: TX00158): Texas (T104704400-18-18)
Xenco-San Antonio (EPA Lab Code: TNI02385): Texas (T104704534-18-4)
Xenco Phoenix (EPA Lab Code: AZ00901): Arizona (AZ0757)
Xenco-Atlanta (LELAP Lab ID #04176)
Xenco-Tampa: Florida (E87429), North Carolina (483)

08.08.2019

Project Manager: **Brett Krehbiel**
ARCADIS
1004 N. Big Spring St.
Midland, TX 79701

Reference: XENCO Report No(s): **621298**
Eunice Project- N. Eunice
Project Address: Eunice, NM.

Brett Krehbiel:

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 XENCO Report Number(s) 621298. 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 XENCO Laboratories. 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. 621298 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 XENCO Laboratories 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

Sample Cross Reference 621298

ARCADIS, Midland, TX

Eunice Project- N. Eunice

Sample Id	Matrix	Date Collected	Sample Depth	Lab Sample Id
MW095	W	04.16.2019 07:40		621298-001
MW060	W	04.16.2019 08:27		621298-002
MW061	W	04.16.2019 08:58		621298-003
MW094	W	04.16.2019 09:40		621298-004
MW032	W	04.16.2019 09:59		621298-005
MW027	W	04.16.2019 11:19		621298-006
MW026	W	04.16.2019 11:41		621298-007
MW015A	W	04.16.2019 12:03		621298-008
MW013	W	04.16.2019 12:20		621298-009
MW040A	W	04.16.2019 12:35		621298-010
MW010	W	04.16.2019 12:49		621298-011
MW037	W	04.16.2019 13:03		621298-012
MW004A	W	04.16.2019 13:34		621298-013
IW024	W	04.16.2019 13:53		621298-014
DUP04	W	04.16.2019 00:00		621298-015
DUP07	W	04.16.2019 00:00		621298-016

CASE NARRATIVE

Client Name: ARCADIS

Project Name: Eunice Project- N. Eunice

Project ID:
Work Order Number(s): *621298*

Report Date: *08.08.2019*
Date Received: *04.16.2019*

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-3086370 Chromium, Hexavalent by SW 7196A

Lab Sample ID 621298-002 was randomly selected for Matrix Spike/Matrix Spike Duplicate (MS/MSD). Chromium, Hexavalent 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: 621298-001, -002, -003, -004, -005, -006, -007, -008, -009, -010.

The Laboratory Control Sample for Chromium, Hexavalent is within laboratory Control Limits, therefore the data was accepted.

Batch: LBA-3086376 TDS by SM2540C

Total Dissolved Solids detected in the blank above the MQL, therefore possible laboratory contamination indicating a potential high bias. Samples in the analytical batch are: 621298-001, -002, -003, -004, -005, -006, -007, -008, -009.

Batch: LBA-3086438 Dissolved Metals by SW6020A

Sample 003 and 004 re digested to confirm the results for Chromium

Batch: LBA-3086646 Chloride by EPA 300

Lab Sample ID 621300-004 was randomly selected for Matrix Spike/Matrix Spike Duplicate (MS/MSD). Chloride recovered above QC limits in the Matrix Spike. Outlier/s are due to possible matrix interference. Samples in the analytical batch are: 621298-010, -011, -012, -013, -014, -015, -016.

The Laboratory Control Sample for Chloride is within laboratory Control Limits, therefore the data was accepted.

Certificate of Analytical Results
621298

ARCADIS, Midland, TX
Eunice Project- N. Eunice

Sample Id: **MW095** Matrix: Water Sample Depth:

Lab Sample Id: 621298-001 Date Collected: 04.16.2019 07:40 Date Received: 04.16.2019 18:30

Analytical Method: Chloride by EPA 300 Prep Method: E300P

Analyst: CHE % Moist: Tech: CHE

Seq Number: 3086447 Date Prep: 04.19.2019 10:45

Prep seq: 7676194

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Chloride	16887-00-6	**1500**	25.0	4.29	mg/L	04.19.2019 15:51		50

Analytical Method: TDS by SM2540C Prep Method:

Analyst: SPC % Moist: Tech: SPC

Seq Number: 3086376 Date Prep:

Prep seq:

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Total Dissolved Solids	1642222	**3760**	5.00	5.00	mg/L	04.19.2019 15:00		1

Analytical Method: Dissolved Metals by SW6020A Prep Method: 3010A

Analyst: DEP % Moist: Tech: DEP

Seq Number: 3086438 Date Prep: 04.19.2019 10:05

Subcontractor: SUB: T104704215-19-29 Prep seq: 7676150

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Arsenic	7440-38-2	**0.00930**	0.00400	0.000246	mg/L	04.19.2019 18:22		1
Chromium	7440-47-3	**3.77**	0.0800	0.0105	mg/L	04.22.2019 17:33	DX	20
Iron	7439-89-6	**0.242**	0.100	0.0227	mg/L	04.19.2019 18:22		1
Manganese	7439-96-5	**0.147**	0.00200	0.000199	mg/L	04.19.2019 18:22		1

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

Analyst: SPC % Moist: Tech: SPC

Seq Number: 3086370 Date Prep:

Prep seq:

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Chromium, Hexavalent	18540-29-9	**3.46**	0.100	0.0273	mg/L	04.17.2019 07:15		10

Certificate of Analytical Results
621298

ARCADIS, Midland, TX

Eunice Project- N. Eunice

Sample Id: **MW060** Matrix: Water Sample Depth:

Lab Sample Id: 621298-002 Date Collected: 04.16.2019 08:27 Date Received: 04.16.2019 18:30

Analytical Method: Chloride by EPA 300 Prep Method: E300P

Analyst: CHE % Moist: Tech: CHE

Seq Number: 3086447 Date Prep: 04.19.2019 10:45

Prep seq: 7676194

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Chloride	16887-00-6	**1670**	25.0	4.29	mg/L	04.19.2019 15:58		50

Analytical Method: TDS by SM2540C Prep Method:

Analyst: SPC % Moist: Tech: SPC

Seq Number: 3086376 Date Prep:

Prep seq:

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Total Dissolved Solids	1642222	**3390**	5.00	5.00	mg/L	04.19.2019 15:00		1

Analytical Method: Dissolved Metals by SW6020A Prep Method: 3010A

Analyst: DEP % Moist: Tech: DEP

Seq Number: 3086438 Date Prep: 04.19.2019 10:05

Subcontractor: SUB: T104704215-19-29 Prep seq: 7676150

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Arsenic	7440-38-2	**0.00265**	0.00400	0.000246	mg/L	04.19.2019 18:42	J	1
Chromium	7440-47-3	**0.00195**	0.00400	0.000525	mg/L	04.19.2019 18:42	J	1
Iron	7439-89-6	**0.796**	0.100	0.0227	mg/L	04.19.2019 18:42		1
Manganese	7439-96-5	**12.5**	0.200	0.0199	mg/L	04.22.2019 17:36	D	100

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

Analyst: SPC % Moist: Tech: SPC

Seq Number: 3086370 Date Prep:

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	04.17.2019 07:15	UX	1

Certificate of Analytical Results
621298

ARCADIS, Midland, TX
Eunice Project- N. Eunice

Sample Id: **MW061** Matrix: Water Sample Depth:

Lab Sample Id: 621298-003 Date Collected: 04.16.2019 08:58 Date Received: 04.16.2019 18:30

Analytical Method: Chloride by EPA 300 Prep Method: E300P

Analyst: CHE % Moist: Tech: CHE

Seq Number: 3086447 Date Prep: 04.19.2019 10:45

Prep seq: 7676194

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Chloride	16887-00-6	**1180**	25.0	4.29	mg/L	04.19.2019 16:04		50

Analytical Method: TDS by SM2540C Prep Method:

Analyst: SPC % Moist: Tech: SPC

Seq Number: 3086376 Date Prep:

Prep seq:

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Total Dissolved Solids	1642222	**3980**	5.00	5.00	mg/L	04.19.2019 15:00		1

Analytical Method: Dissolved Metals by SW6020A Prep Method: 3010A

Analyst: DEP % Moist: Tech: DEP

Seq Number: 3086438 Date Prep: 04.19.2019 10:05

Subcontractor: SUB: T104704215-19-29 Prep seq: 7676150

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Arsenic	7440-38-2	**0.0114**	0.00400	0.000246	mg/L	04.19.2019 18:44		1
Chromium	7440-47-3	**1.38**	0.00400	0.000525	mg/L	04.19.2019 18:44		1
Iron	7439-89-6	**0.0231**	0.100	0.0227	mg/L	04.19.2019 18:44	J	1
Manganese	7439-96-5	**0.0246**	0.00200	0.000199	mg/L	04.19.2019 18:44		1

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

Analyst: SPC % Moist: Tech: SPC

Seq Number: 3086370 Date Prep:

Prep seq:

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Chromium, Hexavalent	18540-29-9	**1.51**	0.100	0.0273	mg/L	04.17.2019 07:15		10

Certificate of Analytical Results
621298

ARCADIS, Midland, TX

Eunice Project- N. Eunice

Sample Id: **MW094** Matrix: Water Sample Depth:

Lab Sample Id: 621298-004 Date Collected: 04.16.2019 09:40 Date Received: 04.16.2019 18:30

Analytical Method: Chloride by EPA 300 Prep Method: E300P

Analyst: CHE % Moist: Tech: CHE

Seq Number: 3086447 Date Prep: 04.19.2019 10:45

Prep seq: 7676194

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Chloride	16887-00-6	**1070**	25.0	4.29	mg/L	04.19.2019 16:11		50

Analytical Method: TDS by SM2540C Prep Method:

Analyst: SPC % Moist: Tech: SPC

Seq Number: 3086376 Date Prep:

Prep seq:

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Total Dissolved Solids	1642222	**3860**	5.00	5.00	mg/L	04.19.2019 15:00		1

Analytical Method: Dissolved Metals by SW6020A Prep Method: 3010A

Analyst: DEP % Moist: Tech: DEP

Seq Number: 3086438 Date Prep: 04.19.2019 10:05

Subcontractor: SUB: T104704215-19-29 Prep seq: 7676150

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Arsenic	7440-38-2	**0.0108**	0.00400	0.000246	mg/L	04.19.2019 18:47		1
Chromium	7440-47-3	**1.53**	0.00400	0.000525	mg/L	04.19.2019 18:47		1
Iron	7439-89-6	**0.134**	0.100	0.0227	mg/L	04.19.2019 18:47		1
Manganese	7439-96-5	**0.0141**	0.00200	0.000199	mg/L	04.19.2019 18:47		1

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

Analyst: SPC % Moist: Tech: SPC

Seq Number: 3086370 Date Prep:

Prep seq:

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Chromium, Hexavalent	18540-29-9	**1.88**	0.100	0.0273	mg/L	04.17.2019 07:15		10

Certificate of Analytical Results
621298

ARCADIS, Midland, TX

Eunice Project- N. Eunice

Sample Id: **MW032** Matrix: Water Sample Depth:

Lab Sample Id: 621298-005 Date Collected: 04.16.2019 09:59 Date Received: 04.16.2019 18:30

Analytical Method: Chloride by EPA 300 Prep Method: E300P

Analyst: CHE % Moist: Tech: CHE

Seq Number: 3086447 Date Prep: 04.19.2019 10:45

Prep seq: 7676194

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Chloride	16887-00-6	**386**	5.00	0.858	mg/L	04.19.2019 16:18		10

Analytical Method: TDS by SM2540C Prep Method:

Analyst: SPC % Moist: Tech: SPC

Seq Number: 3086376 Date Prep:

Prep seq:

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Total Dissolved Solids	1642222	**1340**	5.00	5.00	mg/L	04.19.2019 15:00		1

Analytical Method: Dissolved Metals by SW6020A Prep Method: 3010A

Analyst: DEP % Moist: Tech: DEP

Seq Number: 3086438 Date Prep: 04.19.2019 10:05

Subcontractor: SUB: T104704215-19-29 Prep seq: 7676150

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Arsenic	7440-38-2	**0.00370**	0.00400	0.000246	mg/L	04.19.2019 18:50	J	1
Chromium	7440-47-3	**0.00473**	0.00400	0.000525	mg/L	04.19.2019 18:50		1
Iron	7439-89-6	<0.0227	0.100	0.0227	mg/L	04.19.2019 18:50	U	1
Manganese	7439-96-5	**0.00172**	0.00200	0.000199	mg/L	04.19.2019 18:50	J	1

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

Analyst: SPC % Moist: Tech: SPC

Seq Number: 3086370 Date Prep:

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	04.17.2019 07:15	U	1

Certificate of Analytical Results
621298
ARCADIS, Midland, TX
Eunice Project- N. Eunice

Sample Id: **MW027** Matrix: Water Sample Depth:

Lab Sample Id: 621298-006 Date Collected: 04.16.2019 11:19 Date Received: 04.16.2019 18:30

Analytical Method: Chloride by EPA 300 Prep Method: E300P

Analyst: CHE % Moist: Tech: CHE

Seq Number: 3086447 Date Prep: 04.19.2019 10:45

Prep seq: 7676194

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Chloride	16887-00-6	**367**	5.00	0.858	mg/L	04.19.2019 16:37		10

Analytical Method: TDS by SM2540C Prep Method:

Analyst: SPC % Moist: Tech: SPC

Seq Number: 3086376 Date Prep:

Prep seq:

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Total Dissolved Solids	1642222	**1550**	5.00	5.00	mg/L	04.19.2019 15:00		1

Analytical Method: Dissolved Metals by SW6020A Prep Method: 3010A

Analyst: DEP % Moist: Tech: DEP

Seq Number: 3086438 Date Prep: 04.19.2019 10:05

Subcontractor: SUB: T104704215-19-29 Prep seq: 7676150

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Arsenic	7440-38-2	**0.00653**	0.00400	0.000246	mg/L	04.19.2019 18:53		1
Chromium	7440-47-3	**0.00139**	0.00400	0.000525	mg/L	04.19.2019 18:53	J	1
Iron	7439-89-6	**0.0457**	0.100	0.0227	mg/L	04.19.2019 18:53	J	1
Manganese	7439-96-5	**0.00129**	0.00200	0.000199	mg/L	04.19.2019 18:53	J	1

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

Analyst: SPC % Moist: Tech: SPC

Seq Number: 3086370 Date Prep:

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	04.17.2019 07:15	U	1

Certificate of Analytical Results
621298
ARCADIS, Midland, TX
Eunice Project- N. Eunice

Sample Id: **MW026** Matrix: Water Sample Depth:

Lab Sample Id: 621298-007 Date Collected: 04.16.2019 11:41 Date Received: 04.16.2019 18:30

Analytical Method: Chloride by EPA 300 Prep Method: E300P

Analyst: CHE % Moist: Tech: CHE

Seq Number: 3086447 Date Prep: 04.19.2019 10:45

Prep seq: 7676194

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Chloride	16887-00-6	**104**	2.50	0.429	mg/L	04.19.2019 16:44		5

Analytical Method: TDS by SM2540C Prep Method:

Analyst: SPC % Moist: Tech: SPC

Seq Number: 3086376 Date Prep:

Prep seq:

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Total Dissolved Solids	1642222	**696**	5.00	5.00	mg/L	04.19.2019 15:00		1

Analytical Method: Dissolved Metals by SW6020A Prep Method: 3010A

Analyst: DEP % Moist: Tech: DEP

Seq Number: 3086438 Date Prep: 04.19.2019 10:05

Subcontractor: SUB: T104704215-19-29 Prep seq: 7676150

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Arsenic	7440-38-2	**0.00768**	0.00400	0.000246	mg/L	04.19.2019 18:56		1
Chromium	7440-47-3	<0.000525	0.00400	0.000525	mg/L	04.19.2019 18:56	U	1
Iron	7439-89-6	<0.0227	0.100	0.0227	mg/L	04.19.2019 18:56	U	1
Manganese	7439-96-5	**0.000977**	0.00200	0.000199	mg/L	04.19.2019 18:56	J	1

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

Analyst: SPC % Moist: Tech: SPC

Seq Number: 3086370 Date Prep:

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	04.17.2019 07:15	U	1

Certificate of Analytical Results
621298
ARCADIS, Midland, TX
Eunice Project- N. Eunice

Sample Id: **MW015A** Matrix: Water Sample Depth:

Lab Sample Id: 621298-008 Date Collected: 04.16.2019 12:03 Date Received: 04.16.2019 18:30

Analytical Method: Chloride by EPA 300 Prep Method: E300P

Analyst: CHE % Moist: Tech: CHE

Seq Number: 3086447 Date Prep: 04.19.2019 10:45

Prep seq: 7676194

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Chloride	16887-00-6	**4250**	25.0	4.29	mg/L	04.19.2019 16:50		50

Analytical Method: TDS by SM2540C Prep Method:

Analyst: SPC % Moist: Tech: SPC

Seq Number: 3086376 Date Prep:

Prep seq:

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Total Dissolved Solids	1642222	**6120**	5.00	5.00	mg/L	04.19.2019 15:00		1

Analytical Method: Dissolved Metals by SW6020A Prep Method: 3010A

Analyst: DEP % Moist: Tech: DEP

Seq Number: 3086438 Date Prep: 04.19.2019 10:05

Subcontractor: SUB: T104704215-19-29 Prep seq: 7676150

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Arsenic	7440-38-2	**0.0136**	0.0200	0.00123	mg/L	04.22.2019 17:39	JD	5
Chromium	7440-47-3	**0.00983**	0.0200	0.00262	mg/L	04.22.2019 17:39	JD	5
Iron	7439-89-6	<0.114	0.500	0.114	mg/L	04.22.2019 17:39	UD	5
Manganese	7439-96-5	**0.00203**	0.0100	0.000993	mg/L	04.22.2019 17:39	JD	5

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

Analyst: SPC % Moist: Tech: SPC

Seq Number: 3086370 Date Prep:

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	04.17.2019 07:15	U	1

Certificate of Analytical Results
621298
ARCADIS, Midland, TX
Eunice Project- N. Eunice

Sample Id: **MW013** Matrix: Water Sample Depth:

Lab Sample Id: 621298-009 Date Collected: 04.16.2019 12:20 Date Received: 04.16.2019 18:30

Analytical Method: Chloride by EPA 300 Prep Method: E300P

Analyst: CHE % Moist: Tech: CHE

Seq Number: 3086447 Date Prep: 04.19.2019 10:45

Prep seq: 7676194

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Chloride	16887-00-6	**859**	10.0	1.72	mg/L	04.19.2019 16:57		20

Analytical Method: TDS by SM2540C Prep Method:

Analyst: SPC % Moist: Tech: SPC

Seq Number: 3086376 Date Prep:

Prep seq:

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Total Dissolved Solids	1642222	**2940**	5.00	5.00	mg/L	04.19.2019 15:00		1

Analytical Method: Dissolved Metals by SW6020A Prep Method: 3010A

Analyst: DEP % Moist: Tech: DEP

Seq Number: 3086438 Date Prep: 04.19.2019 10:05

Subcontractor: SUB: T104704215-19-29 Prep seq: 7676150

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Arsenic	7440-38-2	**0.00809**	0.00400	0.000246	mg/L	04.19.2019 19:02		1
Chromium	7440-47-3	**2.54**	0.0800	0.0105	mg/L	04.22.2019 17:42	D	20
Iron	7439-89-6	<0.0227	0.100	0.0227	mg/L	04.19.2019 19:02	U	1
Manganese	7439-96-5	<0.000199	0.00200	0.000199	mg/L	04.19.2019 19:02	U	1

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

Analyst: SPC % Moist: Tech: SPC

Seq Number: 3086370 Date Prep:

Prep seq:

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Chromium, Hexavalent	18540-29-9	**2.22**	0.100	0.0273	mg/L	04.17.2019 07:15		10

Certificate of Analytical Results
621298
ARCADIS, Midland, TX
Eunice Project- N. Eunice

Sample Id: **MW040A** Matrix: Water Sample Depth:

Lab Sample Id: 621298-010 Date Collected: 04.16.2019 12:35 Date Received: 04.16.2019 18:30

Analytical Method: Chloride by EPA 300 Prep Method: E300P

Analyst: CHE % Moist: Tech: CHE

Seq Number: 3086646 Date Prep: 04.23.2019 11:00

Prep seq: 7676334

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Chloride	16887-00-6	**56.4**	2.50	0.429	mg/L	04.23.2019 13:27		5

Analytical Method: TDS by SM2540C Prep Method:

Analyst: SPC % Moist: Tech: SPC

Seq Number: 3086383 Date Prep:

Prep seq:

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Total Dissolved Solids	1642222	**481**	5.00	5.00	mg/L	04.19.2019 15:00		1

Analytical Method: Dissolved Metals by SW6020A Prep Method: 3010A

Analyst: DEP % Moist: Tech: DEP

Seq Number: 3086438 Date Prep: 04.19.2019 10:05

Subcontractor: SUB: T104704215-19-29 Prep seq: 7676150

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Arsenic	7440-38-2	**0.0203**	0.00400	0.000246	mg/L	04.19.2019 19:05		1
Chromium	7440-47-3	**0.00285**	0.00400	0.000525	mg/L	04.19.2019 19:05	J	1
Iron	7439-89-6	<0.0227	0.100	0.0227	mg/L	04.19.2019 19:05	U	1
Manganese	7439-96-5	**0.000271**	0.00200	0.000199	mg/L	04.19.2019 19:05	J	1

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

Analyst: SPC % Moist: Tech: SPC

Seq Number: 3086370 Date Prep:

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	04.17.2019 07:15	U	1

Certificate of Analytical Results
621298
ARCADIS, Midland, TX
Eunice Project- N. Eunice

Sample Id: **MW010** Matrix: Water Sample Depth:

Lab Sample Id: 621298-011 Date Collected: 04.16.2019 12:49 Date Received: 04.16.2019 18:30

Analytical Method: Chloride by EPA 300 Prep Method: E300P

Analyst: CHE % Moist: Tech: CHE

Seq Number: 3086646 Date Prep: 04.23.2019 11:00

Prep seq: 7676334

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Chloride	16887-00-6	**2380**	25.0	4.29	mg/L	04.23.2019 13:46		50

Analytical Method: TDS by SM2540C Prep Method:

Analyst: SPC % Moist: Tech: SPC

Seq Number: 3086383 Date Prep:

Prep seq:

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Total Dissolved Solids	1642222	**4160**	5.00	5.00	mg/L	04.19.2019 15:00		1

Analytical Method: Dissolved Metals by SW6020A Prep Method: 3010A

Analyst: DEP % Moist: Tech: DEP

Seq Number: 3086438 Date Prep: 04.19.2019 10:05

Subcontractor: SUB: T104704215-19-29 Prep seq: 7676150

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Arsenic	7440-38-2	**0.00885**	0.0200	0.00123	mg/L	04.22.2019 17:45	JD	5
Chromium	7440-47-3	**0.0273**	0.0200	0.00262	mg/L	04.22.2019 17:45	D	5
Iron	7439-89-6	<0.114	0.500	0.114	mg/L	04.22.2019 17:45	UD	5
Manganese	7439-96-5	<0.000993	0.0100	0.000993	mg/L	04.22.2019 17:45	UD	5

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

Analyst: SPC % Moist: Tech: SPC

Seq Number: 3086371 Date Prep:

Prep seq:

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Chromium, Hexavalent	18540-29-9	**0.0213**	0.0100	0.00273	mg/L	04.17.2019 07:15		1

Certificate of Analytical Results
621298
ARCADIS, Midland, TX
Eunice Project- N. Eunice

Sample Id: **MW037** Matrix: Water Sample Depth:

Lab Sample Id: 621298-012 Date Collected: 04.16.2019 13:03 Date Received: 04.16.2019 18:30

Analytical Method: Chloride by EPA 300 Prep Method: E300P

Analyst: CHE % Moist: Tech: CHE

Seq Number: 3086646 Date Prep: 04.23.2019 11:00

Prep seq: 7676334

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Chloride	16887-00-6	**405**	5.00	0.858	mg/L	04.23.2019 13:52		10

Analytical Method: TDS by SM2540C Prep Method:

Analyst: SPC % Moist: Tech: SPC

Seq Number: 3086383 Date Prep:

Prep seq:

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Total Dissolved Solids	1642222	**1320**	5.00	5.00	mg/L	04.19.2019 15:00		1

Analytical Method: Dissolved Metals by SW6020A Prep Method: 3010A

Analyst: DEP % Moist: Tech: DEP

Seq Number: 3086438 Date Prep: 04.19.2019 10:05

Subcontractor: SUB: T104704215-19-29 Prep seq: 7676150

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Arsenic	7440-38-2	**0.0546**	0.00400	0.000246	mg/L	04.19.2019 19:16		1
Chromium	7440-47-3	**0.00116**	0.00400	0.000525	mg/L	04.19.2019 19:16	J	1
Iron	7439-89-6	**8.05**	0.100	0.0227	mg/L	04.19.2019 19:16		1
Manganese	7439-96-5	**0.0493**	0.00200	0.000199	mg/L	04.19.2019 19:16		1

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

Analyst: SPC % Moist: Tech: SPC

Seq Number: 3086371 Date Prep:

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	04.17.2019 07:15	U	1

Certificate of Analytical Results
621298

ARCADIS, Midland, TX

Eunice Project- N. Eunice

Sample Id: **MW037** Matrix: Water Sample Depth:

Lab Sample Id: 621298-012 Date Collected: 04.16.2019 13:03 Date Received: 04.16.2019 18:30

Analytical Method: TPH By SW8015 Mod Prep Method: 1005

Analyst: ARM % Moist: Tech: ARM

Seq Number: 3086104 Date Prep: 04.17.2019 08:00

Prep seq: 7675991

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Gasoline Range Hydrocarbons	PHC610	**3.22**	1.50	0.987	mg/L	04.17.2019 16:33		1
Diesel Range Organics	C10C28DRO	**2.87**	1.50	0.911	mg/L	04.17.2019 16:33		1
Oil Range Hydrocarbons	PHCG2835	<0.911	1.50	0.911	mg/L	04.17.2019 16:33	U	1
Total TPH	PHC635	**6.09**	1.50	0.911	mg/L	04.17.2019 16:33		1

Surrogate	% Recovery	Limits	Units	Analysis Date	Flag
1-Chlorooctane	100	70 - 135	%		
o-Terphenyl	102	70 - 135	%		

Analytical Method: BTEX by EPA 8021B Prep Method: 5030B

Analyst: SCM % Moist: Tech: SCM

Seq Number: 3086156 Date Prep: 04.17.2019 16:00

Prep seq: 7676070

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Benzene	71-43-2	**0.719**	0.0200	0.00408	mg/L	04.18.2019 10:32	D	10
Toluene	108-88-3	**0.000390**	0.00200	0.000367	mg/L	04.18.2019 15:43	J	1
Ethylbenzene	100-41-4	**0.134**	0.00200	0.000657	mg/L	04.18.2019 15:43		1
m,p-Xylenes	179601-23-1	**0.00150**	0.00400	0.000630	mg/L	04.18.2019 15:43	J	1
o-Xylene	95-47-6	**0.00122**	0.00200	0.000642	mg/L	04.18.2019 15:43	J	1
Total Xylenes	1330-20-7	**0.00272**	0.00200	0.000630	mg/L	04.18.2019 15:43		1
Total BTEX		**0.856**	0.00200	0.000367	mg/L	04.18.2019 10:32		1

Surrogate	% Recovery	Limits	Units	Analysis Date	Flag
1,4-Difluorobenzene	109	70 - 130	%		
4-Bromofluorobenzene	103	70 - 130	%		

Certificate of Analytical Results
621298

ARCADIS, Midland, TX

Eunice Project- N. Eunice

Sample Id: **MW004A** Matrix: Water Sample Depth:

Lab Sample Id: 621298-013 Date Collected: 04.16.2019 13:34 Date Received: 04.16.2019 18:30

Analytical Method: Chloride by EPA 300 Prep Method: E300P

Analyst: CHE % Moist: Tech: CHE

Seq Number: 3086646 Date Prep: 04.23.2019 11:00

Prep seq: 7676334

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Chloride	16887-00-6	**550**	10.0	1.72	mg/L	04.23.2019 13:58		20

Analytical Method: TDS by SM2540C Prep Method:

Analyst: SPC % Moist: Tech: SPC

Seq Number: 3086383 Date Prep:

Prep seq:

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Total Dissolved Solids	1642222	**1080**	5.00	5.00	mg/L	04.19.2019 15:00		1

Analytical Method: Dissolved Metals by SW6020A Prep Method: 3010A

Analyst: DEP % Moist: Tech: DEP

Seq Number: 3086438 Date Prep: 04.19.2019 10:05

Subcontractor: SUB: T104704215-19-29 Prep seq: 7676150

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Arsenic	7440-38-2	**0.0156**	0.00400	0.000246	mg/L	04.22.2019 18:05		1
Chromium	7440-47-3	**0.558**	0.00400	0.000525	mg/L	04.22.2019 18:05		1
Iron	7439-89-6	<0.0227	0.100	0.0227	mg/L	04.22.2019 18:05	U	1
Manganese	7439-96-5	**0.000551**	0.00200	0.000199	mg/L	04.22.2019 18:05	J	1

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

Analyst: SPC % Moist: Tech: SPC

Seq Number: 3086371 Date Prep:

Prep seq:

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Chromium, Hexavalent	18540-29-9	**0.459**	0.0100	0.00273	mg/L	04.17.2019 07:15		1

Certificate of Analytical Results
621298
ARCADIS, Midland, TX
Eunice Project- N. Eunice

Sample Id: **IW024** Matrix: Water Sample Depth:

Lab Sample Id: 621298-014 Date Collected: 04.16.2019 13:53 Date Received: 04.16.2019 18:30

Analytical Method: Chloride by EPA 300 Prep Method: E300P

Analyst: CHE % Moist: Tech: CHE

Seq Number: 3086646 Date Prep: 04.23.2019 11:00

Prep seq: 7676334

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Chloride	16887-00-6	**817**	25.0	4.29	mg/L	04.23.2019 14:05		50

Analytical Method: TDS by SM2540C Prep Method:

Analyst: SPC % Moist: Tech: SPC

Seq Number: 3086383 Date Prep:

Prep seq:

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Total Dissolved Solids	1642222	**4350**	5.00	5.00	mg/L	04.19.2019 15:00		1

Analytical Method: Dissolved Metals by SW6020A Prep Method: 3010A

Analyst: DEP % Moist: Tech: DEP

Seq Number: 3086438 Date Prep: 04.19.2019 10:05

Subcontractor: SUB: T104704215-19-29 Prep seq: 7676150

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Arsenic	7440-38-2	**0.0113**	0.00400	0.000246	mg/L	04.22.2019 18:08		1
Chromium	7440-47-3	**1.21**	0.00400	0.000525	mg/L	04.22.2019 18:08		1
Iron	7439-89-6	**0.321**	0.100	0.0227	mg/L	04.22.2019 18:08		1
Manganese	7439-96-5	**0.0288**	0.00200	0.000199	mg/L	04.22.2019 18:08		1

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

Analyst: SPC % Moist: Tech: SPC

Seq Number: 3086371 Date Prep:

Prep seq:

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Chromium, Hexavalent	18540-29-9	**1.02**	0.0500	0.0136	mg/L	04.17.2019 07:15		5

Certificate of Analytical Results
621298

ARCADIS, Midland, TX
Eunice Project- N. Eunice

Sample Id: **DUP04** Matrix: Water Sample Depth:

Lab Sample Id: 621298-015 Date Collected: 04.16.2019 00:00 Date Received: 04.16.2019 18:30

Analytical Method: Chloride by EPA 300 Prep Method: E300P

Analyst: CHE % Moist: Tech: CHE

Seq Number: 3086646 Date Prep: 04.23.2019 11:00

Prep seq: 7676334

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Chloride	16887-00-6	**374**	5.00	0.858	mg/L	04.23.2019 14:24		10

Analytical Method: TDS by SM2540C Prep Method:

Analyst: SPC % Moist: Tech: SPC

Seq Number: 3086383 Date Prep:

Prep seq:

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Total Dissolved Solids	1642222	**372**	5.00	5.00	mg/L	04.19.2019 15:00		1

Analytical Method: Dissolved Metals by SW6020A Prep Method: 3010A

Analyst: DEP % Moist: Tech: DEP

Seq Number: 3086438 Date Prep: 04.19.2019 10:05

Subcontractor: SUB: T104704215-19-29 Prep seq: 7676150

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Arsenic	7440-38-2	**0.00315**	0.00400	0.000246	mg/L	04.19.2019 19:25	J	1
Chromium	7440-47-3	**0.00505**	0.00400	0.000525	mg/L	04.19.2019 19:25		1
Iron	7439-89-6	**0.0230**	0.100	0.0227	mg/L	04.19.2019 19:25	J	1
Manganese	7439-96-5	**0.00127**	0.00200	0.000199	mg/L	04.19.2019 19:25	J	1

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

Analyst: SPC % Moist: Tech: SPC

Seq Number: 3086371 Date Prep:

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	04.17.2019 07:15	UK	1

Certificate of Analytical Results
621298

ARCADIS, Midland, TX
Eunice Project- N. Eunice

Sample Id: **DUP07** Matrix: Water Sample Depth:

Lab Sample Id: 621298-016 Date Collected: 04.16.2019 00:00 Date Received: 04.16.2019 18:30

Analytical Method: Chloride by EPA 300 Prep Method: E300P

Analyst: CHE % Moist: Tech: CHE

Seq Number: 3086646 Date Prep: 04.23.2019 11:00

Prep seq: 7676334

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Chloride	16887-00-6	**1410**	25.0	4.29	mg/L	04.23.2019 14:30		50

Analytical Method: TDS by SM2540C Prep Method:

Analyst: SPC % Moist: Tech: SPC

Seq Number: 3086383 Date Prep:

Prep seq:

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Total Dissolved Solids	1642222	**5320**	5.00	5.00	mg/L	04.19.2019 15:00		1

Analytical Method: Dissolved Metals by SW6020A Prep Method: 3010A

Analyst: DEP % Moist: Tech: DEP

Seq Number: 3086438 Date Prep: 04.19.2019 10:05

Subcontractor: SUB: T104704215-19-29 Prep seq: 7676150

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Arsenic	7440-38-2	**0.00823**	0.00400	0.000246	mg/L	04.19.2019 19:28		1
Chromium	7440-47-3	**3.97**	0.0800	0.0105	mg/L	04.22.2019 17:54	D	20
Iron	7439-89-6	**0.239**	0.100	0.0227	mg/L	04.19.2019 19:28		1
Manganese	7439-96-5	**0.126**	0.00200	0.000199	mg/L	04.19.2019 19:28		1

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

Analyst: SPC % Moist: Tech: SPC

Seq Number: 3086371 Date Prep:

Prep seq:

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Chromium, Hexavalent	18540-29-9	**3.54**	0.100	0.0273	mg/L	04.17.2019 07:15	K	10

Certificate of Analytical Results
621298
ARCADIS, Midland, TX
Eunice Project- N. Eunice

Sample Id: **3086370-1-BLK** Matrix: Water Sample Depth:
Lab Sample Id: 3086370-1-BLK Date Collected: Date Received:
Analytical Method: Chromium, Hexavalent by SW 7196A Prep Method:
Analyst: SPC % Moist: Tech: SPC
Seq Number: 3086370 Date Prep:
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	04.17.2019 07:15	U	1

Sample Id: **3086371-1-BLK** Matrix: Water Sample Depth:
Lab Sample Id: 3086371-1-BLK Date Collected: Date Received:
Analytical Method: Chromium, Hexavalent by SW 7196A Prep Method:
Analyst: SPC % Moist: Tech: SPC
Seq Number: 3086371 Date Prep:
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	04.17.2019 07:15	U	1

Sample Id: **3086376-1-BLK** Matrix: Water Sample Depth:
Lab Sample Id: 3086376-1-BLK Date Collected: Date Received:
Analytical Method: TDS by SM2540C Prep Method:
Analyst: SPC % Moist: Tech: SPC
Seq Number: 3086376 Date Prep:
Prep seq:

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Total Dissolved Solids	1642222	**6.00**	5.00	5.00	mg/L	04.19.2019 15:00	B	1

Sample Id: **3086383-1-BLK** Matrix: Water Sample Depth:
Lab Sample Id: 3086383-1-BLK Date Collected: Date Received:
Analytical Method: TDS by SM2540C Prep Method:
Analyst: SPC % Moist: Tech: SPC
Seq Number: 3086383 Date Prep:
Prep seq:

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Total Dissolved Solids	1642222	<5.00	5.00	5.00	mg/L	04.19.2019 15:00	U	1

Certificate of Analytical Results
621298
ARCADIS, Midland, TX
Eunice Project- N. Eunice

Sample Id: **7675991-1-BLK** Matrix: Water Sample Depth:

Lab Sample Id: 7675991-1-BLK Date Collected: Date Received:

Analytical Method: TPH By SW8015 Mod Prep Method: 1005

Analyst: ARM % Moist: Tech: ARM

Seq Number: 3086104 Date Prep: 04.17.2019 08:00

Prep seq: 7675991

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Gasoline Range Hydrocarbons	PHC610	<0.986	1.50	0.986	mg/L	04.17.2019 12:12	U	1
Diesel Range Organics	C10C28DRO	<0.911	1.50	0.911	mg/L	04.17.2019 12:12	U	1
Oil Range Hydrocarbons	PHCG2835	<0.911	1.50	0.911	mg/L	04.17.2019 12:12	U	1
Total TPH	PHC635	<0.911	1.50	0.911	mg/L	04.17.2019 12:12	U	1

Surrogate	% Recovery	Limits	Units	Analysis Date	Flag
1-Chlorooctane	121	70 - 135	%		
o-Terphenyl	121	70 - 135	%		

Sample Id: **7676070-1-BLK** Matrix: Water Sample Depth:

Lab Sample Id: 7676070-1-BLK Date Collected: Date Received:

Analytical Method: BTEX by EPA 8021B Prep Method: 5030B

Analyst: SCM % Moist: Tech: SCM

Seq Number: 3086156 Date Prep: 04.17.2019 16:00

Prep seq: 7676070

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Benzene	71-43-2	<0.000408	0.00200	0.000408	mg/L	04.18.2019 03:57	U	1
Toluene	108-88-3	<0.000367	0.00200	0.000367	mg/L	04.18.2019 03:57	U	1
Ethylbenzene	100-41-4	<0.000657	0.00200	0.000657	mg/L	04.18.2019 03:57	U	1
m,p-Xylenes	179601-23-1	<0.000630	0.00400	0.000630	mg/L	04.18.2019 03:57	U	1
o-Xylene	95-47-6	<0.000642	0.00200	0.000642	mg/L	04.18.2019 03:57	U	1
Total Xylenes	1330-20-7	<0.000630	0.00200	0.000630	mg/L	04.18.2019 03:57	U	1
Total BTEX		<0.000367	0.00200	0.000367	mg/L	04.18.2019 03:57	U	1

Surrogate	% Recovery	Limits	Units	Analysis Date	Flag
1,4-Difluorobenzene	102	70 - 130	%		
4-Bromofluorobenzene	112	70 - 130	%		

Certificate of Analytical Results
621298
ARCADIS, Midland, TX
Eunice Project- N. Eunice

Sample Id: **7676150-1-BLK** Matrix: Water Sample Depth:
Lab Sample Id: 7676150-1-BLK Date Collected: Date Received:
Analytical Method: Dissolved Metals by SW6020A Prep Method: 3010A
Analyst: DEP % Moist: Tech: DEP
Seq Number: 3086438 Date Prep: 04.19.2019 10:05
Subcontractor: SUB: T104704215-19-29 Prep seq: 7676150

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Arsenic	7440-38-2	<0.000246	0.00400	0.000246	mg/L	04.19.2019 18:13	U	1
Chromium	7440-47-3	<0.000525	0.00400	0.000525	mg/L	04.19.2019 18:13	U	1
Iron	7439-89-6	<0.0227	0.100	0.0227	mg/L	04.19.2019 18:13	U	1
Manganese	7439-96-5	<0.000199	0.00200	0.000199	mg/L	04.19.2019 18:13	U	1

Sample Id: **7676194-1-BLK** Matrix: Water Sample Depth:
Lab Sample Id: 7676194-1-BLK Date Collected: Date Received:
Analytical Method: Chloride by EPA 300 Prep Method: E300P
Analyst: CHE % Moist: Tech: CHE
Seq Number: 3086447 Date Prep: 04.19.2019 10:45
Prep seq: 7676194

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Chloride	16887-00-6	<0.0858	0.500	0.0858	mg/L	04.19.2019 13:17	U	1

Sample Id: **7676334-1-BLK** Matrix: Water Sample Depth:
Lab Sample Id: 7676334-1-BLK Date Collected: Date Received:
Analytical Method: Chloride by EPA 300 Prep Method: E300P
Analyst: CHE % Moist: Tech: CHE
Seq Number: 3086646 Date Prep: 04.23.2019 11:00
Prep seq: 7676334

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Chloride	16887-00-6	<0.0858	0.500	0.0858	mg/L	04.23.2019 13:08	U	1

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.

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

Form 2 - Surrogate Recoveries

Project Name: Eunice Project- N. Eunice

Work Orders : 621298 **Project ID:**

Lab Batch #: 3086156 **Sample:** 7676070-1-BKS / BKS **Batch:** 1 **Matrix:** Water

Units: mg/L **Date Analyzed:** 04.18.2019 02:23 **SURROGATE RECOVERY STUDY**

BTEX by EPA 8021B Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1,4-Difluorobenzene	0.0296	0.0300	99	70-130	
4-Bromofluorobenzene	0.0294	0.0300	98	70-130	

Lab Batch #: 3086156 **Sample:** 7676070-1-BSD / BSD **Batch:** 1 **Matrix:** Water

Units: mg/L **Date Analyzed:** 04.18.2019 02:42 **SURROGATE RECOVERY STUDY**

BTEX by EPA 8021B Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1,4-Difluorobenzene	0.0294	0.0300	98	70-130	
4-Bromofluorobenzene	0.0298	0.0300	99	70-130	

Lab Batch #: 3086156 **Sample:** 621022-008 S / MS **Batch:** 1 **Matrix:** Water

Units: mg/L **Date Analyzed:** 04.18.2019 03:01 **SURROGATE RECOVERY STUDY**

BTEX by EPA 8021B Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1,4-Difluorobenzene	0.0281	0.0300	94	70-130	
4-Bromofluorobenzene	0.0286	0.0300	95	70-130	

Lab Batch #: 3086156 **Sample:** 621022-008 SD / MSD **Batch:** 1 **Matrix:** Water

Units: mg/L **Date Analyzed:** 04.18.2019 03:20 **SURROGATE RECOVERY STUDY**

BTEX by EPA 8021B Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1,4-Difluorobenzene	0.0285	0.0300	95	70-130	
4-Bromofluorobenzene	0.0287	0.0300	96	70-130	

Lab Batch #: 3086156 **Sample:** 7676070-1-BLK / BLK **Batch:** 1 **Matrix:** Water

Units: mg/L **Date Analyzed:** 04.18.2019 03:57 **SURROGATE RECOVERY STUDY**

BTEX by EPA 8021B Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1,4-Difluorobenzene	0.0305	0.0300	102	70-130	
4-Bromofluorobenzene	0.0336	0.0300	112	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.

Form 2 - Surrogate Recoveries

Project Name: Eunice Project- N. Eunice

Work Orders : 621298 **Project ID:**

Lab Batch #: 3086104 **Sample:** 7675991-1-BLK / BLK **Batch:** 1 **Matrix:** Water

Units: mg/L **Date Analyzed:** 04.17.2019 12:12 **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	9.98	121	70-135	
o-Terphenyl	6.03	4.99	121	70-135	

Lab Batch #: 3086104 **Sample:** 7675991-1-BKS / BKS **Batch:** 1 **Matrix:** Water

Units: mg/L **Date Analyzed:** 04.17.2019 12:30 **SURROGATE RECOVERY STUDY**

TPH By SW8015 Mod Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1-Chlorooctane	13.0	9.99	130	70-135	
o-Terphenyl	6.24	4.99	125	70-135	

Lab Batch #: 3086104 **Sample:** 7675991-1-BSD / BSD **Batch:** 1 **Matrix:** Water

Units: mg/L **Date Analyzed:** 04.17.2019 12:49 **SURROGATE RECOVERY STUDY**

TPH By SW8015 Mod Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1-Chlorooctane	12.8	9.98	128	70-135	
o-Terphenyl	6.44	4.99	129	70-135	

Lab Batch #: 3086104 **Sample:** 621022-001 S / MS **Batch:** 1 **Matrix:** Water

Units: mg/L **Date Analyzed:** 04.17.2019 13:26 **SURROGATE RECOVERY STUDY**

TPH By SW8015 Mod Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1-Chlorooctane	12.2	9.99	122	70-135	
o-Terphenyl	5.83	4.99	117	70-135	

Lab Batch #: 3086104 **Sample:** 621022-001 SD / MSD **Batch:** 1 **Matrix:** Water

Units: mg/L **Date Analyzed:** 04.17.2019 13:45 **SURROGATE RECOVERY STUDY**

TPH By SW8015 Mod Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1-Chlorooctane	12.6	9.99	126	70-135	
o-Terphenyl	6.32	4.99	127	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.

BS / BSD Recoveries

Project Name: Eunice Project- N. Eunice

Work Order #: 621298 **Project ID:**

Analyst: SCM **Date Prepared:** 04.17.2019 **Date Analyzed:** 04.18.2019

Lab Batch ID: 3086156 **Sample:** 7676070-1-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	0.0969	97	0.100	0.0968	97	0	70-130	25	
Toluene	<0.000367	0.100	0.0939	94	0.100	0.0947	95	1	70-130	25	
Ethylbenzene	<0.000657	0.100	0.0974	97	0.100	0.0978	98	0	70-130	25	
m,p-Xylenes	<0.000630	0.200	0.193	97	0.200	0.194	97	1	70-130	25	
o-Xylene	<0.000642	0.100	0.0978	98	0.100	0.0989	99	1	70-130	25	

Analyst: CHE **Date Prepared:** 04.19.2019 **Date Analyzed:** 04.19.2019

Lab Batch ID: 3086447 **Sample:** 7676194-1-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	<0.0858	25.0	27.0	108	25.0	26.5	106	2	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

BS / BSD Recoveries

Project Name: Eunice Project- N. Eunice

Work Order #: 621298 **Project ID:**

Analyst: CHE **Date Prepared:** 04.23.2019 **Date Analyzed:** 04.23.2019

Lab Batch ID: 3086646 **Sample:** 7676334-1-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	<0.0858	25.0	25.8	103	25.0	25.7	103	0	90-110	20	

Analyst: SPC **Date Prepared:** 04.17.2019 **Date Analyzed:** 04.17.2019

Lab Batch ID: 3086370 **Sample:** 3086370-1-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	0.0374	94	0.0400	0.0373	93	0	85-115	20	

Analyst: SPC **Date Prepared:** 04.17.2019 **Date Analyzed:** 04.17.2019

Lab Batch ID: 3086371 **Sample:** 3086371-1-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	0.0363	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

BS / BSD Recoveries

Project Name: Eunice Project- N. Eunice

Work Order #: 621298 **Project ID:**

Analyst: DEP **Date Prepared:** 04.19.2019 **Date Analyzed:** 04.19.2019

Lab Batch ID: 3086438 **Sample:** 7676150-1-BKS **Batch #:** 1 **Matrix:** Water

Units: mg/L

BLANK /BLANK SPIKE / BLANK SPIKE DUPLICATE RECOVERY STUDY

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	0.0946	95	0.100	0.0984	98	4	80-120	20	
Chromium	<0.000525	0.100	0.0996	100	0.100	0.0980	98	2	80-120	20	
Iron	<0.0227	0.500	0.495	99	0.500	0.492	98	1	80-120	20	
Manganese	<0.000199	0.100	0.0987	99	0.100	0.0974	97	1	80-120	20	

Analyst: SPC **Date Prepared:** 04.19.2019 **Date Analyzed:** 04.19.2019

Lab Batch ID: 3086376 **Sample:** 3086376-1-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	6.00	1000	989	99	1000	987	99	0	80-120	10	

Analyst: SPC **Date Prepared:** 04.19.2019 **Date Analyzed:** 04.19.2019

Lab Batch ID: 3086383 **Sample:** 3086383-1-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	<5.00	1000	978	98	1000	977	98	0	80-120	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

BS / BSD Recoveries

Project Name: Eunice Project- N. Eunice

Work Order #: 621298 **Project ID:**

Analyst: ARM **Date Prepared:** 04.17.2019 **Date Analyzed:** 04.17.2019

Lab Batch ID: 3086104 **Sample:** 7675991-1-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	<0.986	99.9	98.9	99	99.8	104	104	5	70-135	20	
Diesel Range Organics	<0.911	99.9	101	101	99.8	107	107	6	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

Form 3 - MS / MSD Recoveries

Project Name: Eunice Project- N. Eunice

Work Order # : 621298 **Project ID:**

Lab Batch ID: 3086156 **QC- Sample ID:** 621022-008 S **Batch #:** 1 **Matrix:** Water

Date Analyzed: 04.18.2019 **Date Prepared:** 04.17.2019 **Analyst:** SCM

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	0.0856	86	0.100	0.0869	87	2	70-130	25	
Toluene	<0.000367	0.100	0.0883	88	0.100	0.0875	88	1	70-130	25	
Ethylbenzene	<0.000657	0.100	0.0931	93	0.100	0.0917	92	2	70-130	25	
m,p-Xylenes	<0.000630	0.200	0.185	93	0.200	0.182	91	2	70-130	25	
o-Xylene	<0.000642	0.100	0.0930	93	0.100	0.0919	92	1	70-130	25	

Lab Batch ID: 3086447 **QC- Sample ID:** 621177-001 S **Batch #:** 1 **Matrix:** Water

Date Analyzed: 04.19.2019 **Date Prepared:** 04.19.2019 **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	357	250	600	97	250	605	99	1	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.

Form 3 - MS / MSD Recoveries

Project Name: Eunice Project- N. Eunice

Work Order # : 621298 **Project ID:**

Lab Batch ID: 3086447 **QC- Sample ID:** 621177-006 S **Batch #:** 1 **Matrix:** Water

Date Analyzed: 04.19.2019 **Date Prepared:** 04.19.2019 **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	1130	500	1520	78	500	1510	76	1	90-110	20	X

Lab Batch ID: 3086646 **QC- Sample ID:** 621298-010 S **Batch #:** 1 **Matrix:** Water

Date Analyzed: 04.23.2019 **Date Prepared:** 04.23.2019 **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	56.4	125	197	112	125	189	106	4	90-110	20	X

Lab Batch ID: 3086646 **QC- Sample ID:** 621300-004 S **Batch #:** 1 **Matrix:** Water

Date Analyzed: 04.23.2019 **Date Prepared:** 04.23.2019 **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	607	500	1060	91	500	1210	121	13	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.

Form 3 - MS / MSD Recoveries

Project Name: Eunice Project- N. Eunice

Work Order # : 621298 **Project ID:**

Lab Batch ID: 3086370 **QC- Sample ID:** 621298-002 S **Batch #:** 1 **Matrix:** Water

Date Analyzed: 04.17.2019 **Date Prepared:** 04.17.2019 **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	0.124	62	0.200	0.124	62	0	75-125	20	X

Lab Batch ID: 3086371 **QC- Sample ID:** 621298-011 S **Batch #:** 1 **Matrix:** Water

Date Analyzed: 04.17.2019 **Date Prepared:** 04.17.2019 **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	0.0213	0.200	0.224	101	0.200	0.224	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.

Form 3 - MS / MSD Recoveries

Project Name: Eunice Project- N. Eunice

Work Order # : 621298 **Project ID:**

Lab Batch ID: 3086438 **QC- Sample ID:** 621298-001 S **Batch #:** 1 **Matrix:** Water

Date Analyzed: 04.19.2019 **Date Prepared:** 04.19.2019 **Analyst:** DEP

Reporting Units: mg/L

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY STUDY

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	0.00930	0.100	0.109	100	0.100	0.109	100	0	75-125	20	
Chromium	3.77	0.100	3.98	210	0.100	3.96	190	1	75-125	20	X
Iron	0.242	0.500	0.825	117	0.500	0.826	117	0	75-125	20	
Manganese	0.147	0.100	0.253	106	0.100	0.251	104	1	75-125	20	

Lab Batch ID: 3086104 **QC- Sample ID:** 621022-001 S **Batch #:** 1 **Matrix:** Water

Date Analyzed: 04.17.2019 **Date Prepared:** 04.17.2019 **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	<0.986	99.9	97.3	97	99.9	107	107	9	70-135	20	
Diesel Range Organics	<0.911	99.9	102	102	99.9	112	112	9	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

Project Name: Eunice Project- N. Eunice

Work Order #: 621298

Lab Batch #: 3086376 **Project ID:**
Date Analyzed: 04.19.2019 15:00 **Date Prepared:** 04.19.2019 **Analyst:** SPC
QC- Sample ID: 621177-001 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	1500	1550	3	10	

Lab Batch #: 3086376
Date Analyzed: 04.19.2019 15:00 **Date Prepared:** 04.19.2019 **Analyst:** SPC
QC- Sample ID: 621177-006 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	2410	2390	1	10	

Lab Batch #: 3086383
Date Analyzed: 04.19.2019 15:00 **Date Prepared:** 04.19.2019 **Analyst:** SPC
QC- Sample ID: 621298-010 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	481	490	2	10	

Lab Batch #: 3086383
Date Analyzed: 04.19.2019 15:00 **Date Prepared:** 04.19.2019 **Analyst:** SPC
QC- Sample ID: 621300-004 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	1860	1850	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: 621298

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:	Brett Krehbiel	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:	916-786-5382	Email:	brett.krehbiel@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:		Routine ☒	
P.O. Number:		Rush:	
Sampler's Name:	Chas Holder	Due Date:	

SAMPLE RECEIPT			
Temp Blank:	Yes (No)	Wet Ice:	(Yes) No
Temperature (°C):	2.3/2.2	Thermometer ID	R8
Received Intact:	(Yes) No		
Cooler Custody Seals:	Yes No (N/A)	Correction Factor:	-0.1
Sample Custody Seals:	Yes No (N/A)	Total Containers:	

ANALYSIS REQUEST

Work Order Notes

TAT starts the day recevied by the lab, if received by 4:30pm

Sample Identification	Matrix	Date Sampled	Time Sampled	Depth	Number of Containers	BTEX (SW8021)	TPH (SW8015)	Hex Chrome (SW7196A)	Dissolved Metals (SW6020_DIS): Aresenic, Maganese, Iron & Chromium	TDS (SW2540)	Chlorides (E300)	Sample Comments
MW095	W	4-16	0740		3			✓	✓	✓	✓	
MW060	W	4-16	0827		3			✓	✓	✓	✓	
MW061	W	4-16	0858		3			✓	✓	✓	✓	
MW044	W	4-16	0940		3			✓	✓	✓	✓	
MW032	W	4-16	0959		3			✓	✓	✓	✓	
MW027	W	4-16	1119		3			✓	✓	✓	✓	
MW026	W	4-16	1141		3			✓	✓	✓	✓	
MW015A	W	4-16	1203		3			✓	✓	✓	✓	
MW013	W	4-16	1220		3			✓	✓	✓	✓	
MW404	W	4-16	1235		3			✓	✓	✓	✓	

Total 200.7 / 6010 **200.8 / 6020:** 8RCRA 13PPM Texas 11 Al Sb As Ba Be B Cd Ca Cr Co Cu Fe Pb Mg Mn Mo Ni K Se Ag SiO2 Na Sr Tl Sn U V Zn

Circle Method(s) and Metal(s) to be analyzed **TCLP / SPLP 6010**: 8RCRA Sb As Ba Be Cd Cr Co Cu Pb Mn Mo Ni Se Ag Tl U **1631 / 245.1 / 7470 / 7471** : Hg

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1	Winston Noel	4/6/19 16:20	2		4/6/19 1830
3			4		
5			6		

Revised Date 051418 Rev. 2018.1

Received by OCD: 3/25/2020 3:45:40 PM
Released to Imaging: 6/14/2022 10:44:20 AM
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Chain of Custody

Work Order No: 621298

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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

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Project Manager:	Brett Krehbiel	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:	916-786-5382	Email:	brett.krehbiel@arcadis.com

Work Order Comments

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

Project Name:	Eunice Project-N. Eunice	Turn Around	
Project Number:		Routine ☒	
P.O. Number:		Rush:	
Sampler's Name:	Chas Hedden	Due Date:	

SAMPLE RECEIPT			
Temp Blank:	Yes (No)	Wet Ice:	(Yes) No
Temperature (°C):	2.3/2.2	Thermometer ID	RS
Received Intact:	(Yes) No		
Cooler Custody Seals:	Yes No (N/A)	Correction Factor:	-0.1
Sample Custody Seals:	Yes No (N/A)	Total Containers:	

ANALYSIS REQUEST

Sample Identification	Matrix	Date Sampled	Time Sampled	Depth	Number of Containers	BTEX (SW8021)	TPH (SW8015)	Hex Chrome (SW7196A)	Dissolved Metals (SW6020_DIS): Aresenic, Maganese, Iron & Chromium	TDS (SW2540)	Chlorides (E300)
MW010	W	4-16	1249		3			✓	✓	✓	✓
MW037	W	4-16	1303		8	✓	✓	✓	✓	✓	✓
MW004A	W	4-16	1334		3			✓	✓	✓	✓
IW024	W	4-16	1353		3			✓	✓	✓	✓
Dup 4	W	4-16	—		3			✓	✓	✓	✓
Dup 7	W	4-16	—		3			✓	✓	✓	✓

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		Winston Kee	4/16/19 16:20	2			
3				4			4/16/19 1830
5				6			

Revised Date 051418 Rev. 2018.1

Received by OCD: 3/25/2020 3:45:40 PM
Final 1.005
Page 38 of 41
Released to Imaging: 6/14/2022 10:44:20 AM

Inter-Office Shipment

IOS Number : 37228

Date/Time: 04.17.2019 10:22
Lab# From: **Midland**
Lab# To: **Houston**
Created by: Katie Lowe
Delivery Priority:
Air Bill No.: 775000129282

Please send report to: John Builes
Address: 1211 W. Florida Ave
E-Mail: john.builes@xenco.com

Sample Id	Matrix	Client Sample Id	Sample Collection	Method	Method Name	Lab Due	HT Due	PM	Analytes	Sign
621298-001	W	MW095	04.16.2019 07:40	SW6020_DIS	Dissolved Metals by SW6020A	04.22.2019	10.13.2019	JHB	AS CR FE MN	
621298-002	W	MW060	04.16.2019 08:27	SW6020_DIS	Dissolved Metals by SW6020A	04.22.2019	10.13.2019	JHB	AS CR FE MN	
621298-003	W	MW061	04.16.2019 08:58	SW6020_DIS	Dissolved Metals by SW6020A	04.22.2019	10.13.2019	JHB	AS CR FE MN	
621298-004	W	MW094	04.16.2019 09:40	SW6020_DIS	Dissolved Metals by SW6020A	04.22.2019	10.13.2019	JHB	AS CR FE MN	
621298-005	W	MW032	04.16.2019 09:59	SW6020_DIS	Dissolved Metals by SW6020A	04.22.2019	10.13.2019	JHB	AS CR FE MN	
621298-006	W	MW027	04.16.2019 11:19	SW6020_DIS	Dissolved Metals by SW6020A	04.22.2019	10.13.2019	JHB	AS CR FE MN	
621298-007	W	MW026	04.16.2019 11:41	SW6020_DIS	Dissolved Metals by SW6020A	04.22.2019	10.13.2019	JHB	AS CR FE MN	
621298-008	W	MW015A	04.16.2019 12:03	SW6020_DIS	Dissolved Metals by SW6020A	04.22.2019	10.13.2019	JHB	AS CR FE MN	
621298-009	W	MW013	04.16.2019 12:20	SW6020_DIS	Dissolved Metals by SW6020A	04.22.2019	10.13.2019	JHB	AS CR FE MN	
621298-010	W	MW040A	04.16.2019 12:35	SW6020_DIS	Dissolved Metals by SW6020A	04.22.2019	10.13.2019	JHB	AS CR FE MN	
621298-011	W	MW010	04.16.2019 12:49	SW6020_DIS	Dissolved Metals by SW6020A	04.22.2019	10.13.2019	JHB	AS CR FE MN	
621298-012	W	MW037	04.16.2019 13:03	SW6020_DIS	Dissolved Metals by SW6020A	04.22.2019	10.13.2019	JHB	AS CR FE MN	
621298-013	W	MW004A	04.16.2019 13:34	SW6020_DIS	Dissolved Metals by SW6020A	04.22.2019	10.13.2019	JHB	AS CR FE MN	
621298-014	W	IW024	04.16.2019 13:53	SW6020_DIS	Dissolved Metals by SW6020A	04.22.2019	10.13.2019	JHB	AS CR FE MN	
621298-015	W	DUP 4	04.16.2019 00:00	SW6020_DIS	Dissolved Metals by SW6020A	04.22.2019	10.13.2019	JHB	AS CR FE MN	
621298-016	W	DUP 7	04.16.2019 00:00	SW6020_DIS	Dissolved Metals by SW6020A	04.22.2019	10.13.2019	JHB	AS CR FE MN	

Inter Office Shipment or Sample Comments:

Relinquished By: Katie Lowe
Date Relinquished: 04.17.2019

Received By: Travis Simmons
Date Received: 04.18.2019 10:00
Cooler Temperature: 1.2

XENCO Laboratories

Inter Office Report- Sample Receipt Checklist

Sent To: Houston

IOS #: 37228

Acceptable Temperature Range: 0 - 6 degC
Air and Metal samples Acceptable Range: Ambient
Temperature Measuring device used : HOU-068

Sent By: Katie Lowe **Date Sent:** 04/17/2019 10:22 AM

Received By: Travis Simmons **Date Received:** 04/18/2019 10:00 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: Travis Simmons Date: 04/18/2019

Travis Simmons

XENCO Laboratories

Prelogin/Nonconformance Report- Sample Log-In

Client: ARCADIS

Date/ Time Received: 04/16/2019 06:30:00 PM

Work Order #: 621298

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

Temperature Measuring device used : R8

Sample Receipt Checklist		Comments
#1 *Temperature of cooler(s)?	2.2	
#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?	**Yes**	

*** Must be completed for after-hours delivery of samples prior to placing in the refrigerator**

Analyst: BT

PH Device/Lot#: A023690

Checklist completed by: Katie Lowe Date: 04/16/2019

Checklist reviewed by: Kelsey Brooks Date: 04/17/2019

Analytical Report 621300

for

ARCADIS

Project Manager: Brett Krehbiel

Eunice Project-N. Eunice

B0048789

08.09.2019

Collected By: Client

1211 W. Florida Ave
Midland TX 79701

Xenco-Houston (EPA Lab Code: TX00122):
Texas (T104704215-19-29), Arizona (AZ0765), Florida (E871002-24), Louisiana (03054)
Oklahoma (2017-142), North Carolina (681)

Xenco-Dallas (EPA Lab Code: TX01468):
Texas (T104704295-19-19), Arizona (AZ0809), Arkansas (17-063-0)

Xenco-El Paso (EPA Lab Code: TX00127): Texas (T104704221-18-14)
Xenco-Lubbock (EPA Lab Code: TX00139): Texas (T104704219-19-20)
Xenco-Midland (EPA Lab Code: TX00158): Texas (T104704400-18-18)
Xenco-San Antonio (EPA Lab Code: TNI02385): Texas (T104704534-18-4)
Xenco Phoenix (EPA Lab Code: AZ00901): Arizona (AZ0757)
Xenco-Atlanta (LELAP Lab ID #04176)
Xenco-Tampa: Florida (E87429), North Carolina (483)

08.09.2019

Project Manager: **Brett Krehbiel**
ARCADIS
1004 N. Big Spring St.
Midland, TX 79701

Reference: XENCO Report No(s): **621300**
Eunice Project-N. Eunice
Project Address: Eunice, NM.

Brett Krehbiel:

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 XENCO Report Number(s) 621300. 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 XENCO Laboratories. 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. 621300 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 XENCO Laboratories 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

Sample Cross Reference 621300

ARCADIS, Midland, TX

Eunice Project-N. Eunice

Sample Id	Matrix	Date Collected	Sample Depth	Lab Sample Id
MW054SA	W	04.16.2019 07:49		621300-001
MW052SA	W	04.16.2019 08:16		621300-002
MW049SA	W	04.16.2019 08:31		621300-003
MW048SA	W	04.16.2019 08:43		621300-004
MW041A	W	04.16.2019 08:59		621300-005
IW019	W	04.16.2019 09:44		621300-006
MW093SA	W	04.16.2019 11:23		621300-007
IW023	W	04.16.2019 12:10		621300-008
MW020A	W	04.16.2019 12:29		621300-009
DUP01	W	04.16.2019 00:00		621300-010
MW019A	W	04.16.2019 12:55		621300-011
MW018	W	04.16.2019 13:17		621300-012
MW097P	W	04.16.2019 13:45		621300-013
DUP03	W	04.16.2019 00:00		621300-014

CASE NARRATIVE

Client Name: ARCADIS

Project Name: Eunice Project-N. Eunice

Project ID: *B0048789*
Work Order Number(s): *621300*

Report Date: *08.09.2019*
Date Received: *04.16.2019*

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-3086374 Chromium, Hexavalent by SW 7196A
Samples 621300 -010 and -014 K-flag due to no sample time entered for duplicate.

Batch: LBA-3086388 TDS by SM2540C
Total Dissolved Solids detected in the blank above the MQL, therefore possible laboratory contamination indicating a potential high bias. Samples in the analytical batch are: 621300-014.

Batch: LBA-3086646 Chloride by EPA 300
Lab Sample ID 621300-004 was randomly selected for Matrix Spike/Matrix Spike Duplicate (MS/MSD). Chloride recovered above QC limits in the Matrix Spike Duplicate. Outlier/s are due to possible matrix interference. Samples in the analytical batch are: 621300-001, -002, -003, -004, -005, -006, -007, -008, -009, -010, -011, -012, -013.
The Laboratory Control Sample for Chloride is within laboratory Control Limits, therefore the data was accepted.

Certificate of Analytical Results
621300
ARCADIS, Midland, TX
Eunice Project-N. Eunice

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

Lab Sample Id: 621300-001 Date Collected: 04.16.2019 07:49 Date Received: 04.16.2019 18:30

Analytical Method: Chloride by EPA 300 Prep Method: E300P

Analyst: CHE % Moist: Tech: CHE

Seq Number: 3086646 Date Prep: 04.23.2019 11:00

Prep seq: 7676334

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Chloride	16887-00-6	**951**	10.0	1.72	mg/L	04.23.2019 14:36		20

Analytical Method: TDS by SM2540C Prep Method:

Analyst: SPC % Moist: Tech: SPC

Seq Number: 3086383 Date Prep:

Prep seq:

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Total Dissolved Solids	1642222	**1910**	5.00	5.00	mg/L	04.19.2019 15:00		1

Analytical Method: Dissolved Metals by SW6020A Prep Method: 3010A

Analyst: DEP % Moist: Tech: DEP

Seq Number: 3086431 Date Prep: 04.19.2019 08:10

Subcontractor: SUB: T104704215-19-29 Prep seq: 7676123

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Arsenic	7440-38-2	**0.0109**	0.00400	0.000246	mg/L	04.19.2019 21:24		1
Chromium	7440-47-3	**0.122**	0.00400	0.000525	mg/L	04.19.2019 21:24		1
Iron	7439-89-6	**0.227**	0.100	0.0227	mg/L	04.19.2019 21:24		1
Manganese	7439-96-5	**0.00730**	0.00200	0.000199	mg/L	04.19.2019 21:24		1

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

Analyst: SPC % Moist: Tech: SPC

Seq Number: 3086371 Date Prep:

Prep seq:

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Chromium, Hexavalent	18540-29-9	**0.117**	0.0100	0.00273	mg/L	04.17.2019 07:15		1

Certificate of Analytical Results
621300

ARCADIS, Midland, TX

Eunice Project-N. Eunice

Sample Id: **MW052SA** Matrix: Water Sample Depth:

Lab Sample Id: 621300-002 Date Collected: 04.16.2019 08:16 Date Received: 04.16.2019 18:30

Analytical Method: Chloride by EPA 300 Prep Method: E300P

Analyst: CHE % Moist: Tech: CHE

Seq Number: 3086646 Date Prep: 04.23.2019 11:00

Prep seq: 7676334

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Chloride	16887-00-6	**1590**	25.0	4.29	mg/L	04.23.2019 14:43		50

Analytical Method: TDS by SM2540C Prep Method:

Analyst: SPC % Moist: Tech: SPC

Seq Number: 3086383 Date Prep:

Prep seq:

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Total Dissolved Solids	1642222	**3060**	5.00	5.00	mg/L	04.19.2019 15:00		1

Analytical Method: Dissolved Metals by SW6020A Prep Method: 3010A

Analyst: DEP % Moist: Tech: DEP

Seq Number: 3086431 Date Prep: 04.19.2019 08:10

Subcontractor: SUB: T104704215-19-29 Prep seq: 7676123

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Arsenic	7440-38-2	**0.0138**	0.00400	0.000246	mg/L	04.19.2019 21:27		1
Chromium	7440-47-3	**0.246**	0.00400	0.000525	mg/L	04.19.2019 21:27		1
Iron	7439-89-6	**0.110**	0.100	0.0227	mg/L	04.19.2019 21:27		1
Manganese	7439-96-5	**0.00376**	0.00200	0.000199	mg/L	04.19.2019 21:27		1

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

Analyst: SPC % Moist: Tech: SPC

Seq Number: 3086371 Date Prep:

Prep seq:

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Chromium, Hexavalent	18540-29-9	**0.224**	0.0100	0.00273	mg/L	04.17.2019 07:15		1

Certificate of Analytical Results
621300

ARCADIS, Midland, TX

Eunice Project-N. Eunice

Sample Id: **MW049SA** Matrix: Water Sample Depth:

Lab Sample Id: 621300-003 Date Collected: 04.16.2019 08:31 Date Received: 04.16.2019 18:30

Analytical Method: Chloride by EPA 300 Prep Method: E300P

Analyst: CHE % Moist: Tech: CHE

Seq Number: 3086646 Date Prep: 04.23.2019 11:00

Prep seq: 7676334

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Chloride	16887-00-6	**1320**	25.0	4.29	mg/L	04.23.2019 14:49		50

Analytical Method: TDS by SM2540C Prep Method:

Analyst: SPC % Moist: Tech: SPC

Seq Number: 3086383 Date Prep:

Prep seq:

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Total Dissolved Solids	1642222	**2530**	5.00	5.00	mg/L	04.19.2019 15:00		1

Analytical Method: Dissolved Metals by SW6020A Prep Method: 3010A

Analyst: DEP % Moist: Tech: DEP

Seq Number: 3086431 Date Prep: 04.19.2019 08:10

Subcontractor: SUB: T104704215-19-29 Prep seq: 7676123

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Arsenic	7440-38-2	**0.0125**	0.0200	0.00123	mg/L	04.22.2019 13:17	JD	5
Chromium	7440-47-3	**0.200**	0.0200	0.00262	mg/L	04.22.2019 13:17	D	5
Iron	7439-89-6	<0.114	0.500	0.114	mg/L	04.22.2019 13:17	UD	5
Manganese	7439-96-5	<0.000993	0.0100	0.000993	mg/L	04.22.2019 13:17	UD	5

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

Analyst: SPC % Moist: Tech: SPC

Seq Number: 3086371 Date Prep:

Prep seq:

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Chromium, Hexavalent	18540-29-9	**0.176**	0.0100	0.00273	mg/L	04.17.2019 07:15		1

Certificate of Analytical Results
621300

ARCADIS, Midland, TX

Eunice Project-N. Eunice

Sample Id: **MW048SA** Matrix: Water Sample Depth:

Lab Sample Id: 621300-004 Date Collected: 04.16.2019 08:43 Date Received: 04.16.2019 18:30

Analytical Method: Chloride by EPA 300 Prep Method: E300P

Analyst: CHE % Moist: Tech: CHE

Seq Number: 3086646 Date Prep: 04.23.2019 11:00

Prep seq: 7676334

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Chloride	16887-00-6	**607**	10.0	1.72	mg/L	04.23.2019 14:55		20

Analytical Method: TDS by SM2540C Prep Method:

Analyst: SPC % Moist: Tech: SPC

Seq Number: 3086383 Date Prep:

Prep seq:

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Total Dissolved Solids	1642222	**1860**	5.00	5.00	mg/L	04.19.2019 15:00		1

Analytical Method: Dissolved Metals by SW6020A Prep Method: 3010A

Analyst: DEP % Moist: Tech: DEP

Seq Number: 3086431 Date Prep: 04.19.2019 08:10

Subcontractor: SUB: T104704215-19-29 Prep seq: 7676123

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Arsenic	7440-38-2	**0.0121**	0.00400	0.000246	mg/L	04.19.2019 21:33		1
Chromium	7440-47-3	**0.396**	0.00400	0.000525	mg/L	04.19.2019 21:33		1
Iron	7439-89-6	**0.0259**	0.100	0.0227	mg/L	04.19.2019 21:33	J	1
Manganese	7439-96-5	**0.00124**	0.00200	0.000199	mg/L	04.19.2019 21:33	J	1

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

Analyst: SPC % Moist: Tech: SPC

Seq Number: 3086371 Date Prep:

Prep seq:

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Chromium, Hexavalent	18540-29-9	**0.363**	0.0100	0.00273	mg/L	04.17.2019 07:15		1

Certificate of Analytical Results
621300
ARCADIS, Midland, TX
Eunice Project-N. Eunice

Sample Id: **MW041A** Matrix: Water Sample Depth:

Lab Sample Id: 621300-005 Date Collected: 04.16.2019 08:59 Date Received: 04.16.2019 18:30

Analytical Method: Chloride by EPA 300 Prep Method: E300P

Analyst: CHE % Moist: Tech: CHE

Seq Number: 3086646 Date Prep: 04.23.2019 11:00

Prep seq: 7676334

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Chloride	16887-00-6	**461**	5.00	0.858	mg/L	04.23.2019 15:14		10

Analytical Method: TDS by SM2540C Prep Method:

Analyst: SPC % Moist: Tech: SPC

Seq Number: 3086383 Date Prep:

Prep seq:

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Total Dissolved Solids	1642222	**1530**	5.00	5.00	mg/L	04.19.2019 15:00		1

Analytical Method: Dissolved Metals by SW6020A Prep Method: 3010A

Analyst: DEP % Moist: Tech: DEP

Seq Number: 3086431 Date Prep: 04.19.2019 08:10

Subcontractor: SUB: T104704215-19-29 Prep seq: 7676123

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Arsenic	7440-38-2	**0.0104**	0.00400	0.000246	mg/L	04.19.2019 21:36		1
Chromium	7440-47-3	**0.201**	0.00400	0.000525	mg/L	04.19.2019 21:36		1
Iron	7439-89-6	<0.0227	0.100	0.0227	mg/L	04.19.2019 21:36	U	1
Manganese	7439-96-5	**0.00107**	0.00200	0.000199	mg/L	04.19.2019 21:36	J	1

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

Analyst: SPC % Moist: Tech: SPC

Seq Number: 3086374 Date Prep:

Prep seq:

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Chromium, Hexavalent	18540-29-9	**0.175**	0.0100	0.00273	mg/L	04.17.2019 08:31		1

Certificate of Analytical Results
621300

ARCADIS, Midland, TX

Eunice Project-N. Eunice

Sample Id: **IW019** Matrix: Water Sample Depth:

Lab Sample Id: 621300-006 Date Collected: 04.16.2019 09:44 Date Received: 04.16.2019 18:30

Analytical Method: Chloride by EPA 300 Prep Method: E300P

Analyst: CHE % Moist: Tech: CHE

Seq Number: 3086646 Date Prep: 04.23.2019 11:00

Prep seq: 7676334

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Chloride	16887-00-6	**1130**	25.0	4.29	mg/L	04.23.2019 15:21		50

Analytical Method: TDS by SM2540C Prep Method:

Analyst: SPC % Moist: Tech: SPC

Seq Number: 3086383 Date Prep:

Prep seq:

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Total Dissolved Solids	1642222	**3310**	5.00	5.00	mg/L	04.19.2019 15:00		1

Analytical Method: Dissolved Metals by SW6020A Prep Method: 3010A

Analyst: DEP % Moist: Tech: DEP

Seq Number: 3086431 Date Prep: 04.19.2019 08:10

Subcontractor: SUB: T104704215-19-29 Prep seq: 7676123

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Arsenic	7440-38-2	**0.00987**	0.00400	0.000246	mg/L	04.19.2019 21:45		1
Chromium	7440-47-3	**0.672**	0.0200	0.00262	mg/L	04.23.2019 16:58	D	5
Iron	7439-89-6	**0.0721**	0.100	0.0227	mg/L	04.19.2019 21:45	J	1
Manganese	7439-96-5	**0.139**	0.00200	0.000199	mg/L	04.19.2019 21:45		1

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

Analyst: SPC % Moist: Tech: SPC

Seq Number: 3086374 Date Prep:

Prep seq:

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Chromium, Hexavalent	18540-29-9	**0.664**	0.0500	0.0136	mg/L	04.17.2019 08:31		5

Certificate of Analytical Results
621300
ARCADIS, Midland, TX
Eunice Project-N. Eunice

Sample Id: **IW019** Matrix: Water Sample Depth:

Lab Sample Id: 621300-006 Date Collected: 04.16.2019 09:44 Date Received: 04.16.2019 18:30

Analytical Method: TPH By SW8015 Mod Prep Method: 1005

Analyst: ARM % Moist: Tech: ARM

Seq Number: 3086104 Date Prep: 04.17.2019 08:00

Prep seq: 7675991

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Gasoline Range Hydrocarbons	PHC610	<0.986	1.50	0.986	mg/L	04.17.2019 16:53	U	1
Diesel Range Organics	C10C28DRO	<0.911	1.50	0.911	mg/L	04.17.2019 16:53	U	1
Oil Range Hydrocarbons	PHCG2835	<0.911	1.50	0.911	mg/L	04.17.2019 16:53	U	1
Total TPH	PHC635	<0.911	1.50	0.911	mg/L	04.17.2019 16:53	U	1

Surrogate	% Recovery	Limits	Units	Analysis Date	Flag
1-Chlorooctane	102	70 - 135	%		
o-Terphenyl	110	70 - 135	%		

Analytical Method: BTEX by EPA 8021B Prep Method: 5030B

Analyst: SCM % Moist: Tech: SCM

Seq Number: 3086156 Date Prep: 04.17.2019 16:00

Prep seq: 7676070

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Benzene	71-43-2	<0.000408	0.00200	0.000408	mg/L	04.18.2019 08:30	U	1
Toluene	108-88-3	<0.000367	0.00200	0.000367	mg/L	04.18.2019 08:30	U	1
Ethylbenzene	100-41-4	<0.000657	0.00200	0.000657	mg/L	04.18.2019 08:30	U	1
m,p-Xylenes	179601-23-1	<0.000630	0.00400	0.000630	mg/L	04.18.2019 08:30	U	1
o-Xylene	95-47-6	<0.000642	0.00200	0.000642	mg/L	04.18.2019 08:30	U	1
Total Xylenes	1330-20-7	<0.000630	0.00200	0.000630	mg/L	04.18.2019 08:30	U	1
Total BTEX		<0.000367	0.00200	0.000367	mg/L	04.18.2019 08:30	U	1

Surrogate	% Recovery	Limits	Units	Analysis Date	Flag
1,4-Difluorobenzene	103	70 - 130	%		
4-Bromofluorobenzene	113	70 - 130	%		

Certificate of Analytical Results
621300
ARCADIS, Midland, TX
Eunice Project-N. Eunice

Sample Id: **MW093SA** Matrix: Water Sample Depth:

Lab Sample Id: 621300-007 Date Collected: 04.16.2019 11:23 Date Received: 04.16.2019 18:30

Analytical Method: Chloride by EPA 300 Prep Method: E300P

Analyst: CHE % Moist: Tech: CHE

Seq Number: 3086646 Date Prep: 04.23.2019 11:00

Prep seq: 7676334

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Chloride	16887-00-6	**984**	25.0	4.29	mg/L	04.23.2019 15:40		50

Analytical Method: TDS by SM2540C Prep Method:

Analyst: SPC % Moist: Tech: SPC

Seq Number: 3086383 Date Prep:

Prep seq:

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Total Dissolved Solids	1642222	**3220**	5.00	5.00	mg/L	04.19.2019 15:00		1

Analytical Method: Dissolved Metals by SW6020A Prep Method: 3010A

Analyst: DEP % Moist: Tech: DEP

Seq Number: 3086431 Date Prep: 04.19.2019 08:10

Subcontractor: SUB: T104704215-19-29 Prep seq: 7676123

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Arsenic	7440-38-2	**0.00811**	0.00400	0.000246	mg/L	04.19.2019 21:48		1
Chromium	7440-47-3	**0.405**	0.00400	0.000525	mg/L	04.19.2019 21:48		1
Iron	7439-89-6	**0.0483**	0.100	0.0227	mg/L	04.19.2019 21:48	J	1
Manganese	7439-96-5	**0.244**	0.00200	0.000199	mg/L	04.19.2019 21:48		1

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

Analyst: SPC % Moist: Tech: SPC

Seq Number: 3086374 Date Prep:

Prep seq:

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Chromium, Hexavalent	18540-29-9	**0.365**	0.0100	0.00273	mg/L	04.17.2019 08:31		1

Certificate of Analytical Results
621300
ARCADIS, Midland, TX
Eunice Project-N. Eunice

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

Lab Sample Id: 621300-008 Date Collected: 04.16.2019 12:10 Date Received: 04.16.2019 18:30

Analytical Method: Chloride by EPA 300 Prep Method: E300P

Analyst: CHE % Moist: Tech: CHE

Seq Number: 3086646 Date Prep: 04.23.2019 11:00

Prep seq: 7676334

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Chloride	16887-00-6	**765**	10.0	1.72	mg/L	04.23.2019 15:46		20

Analytical Method: TDS by SM2540C Prep Method:

Analyst: SPC % Moist: Tech: SPC

Seq Number: 3086383 Date Prep:

Prep seq:

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Total Dissolved Solids	1642222	**2790**	5.00	5.00	mg/L	04.19.2019 15:00		1

Analytical Method: Dissolved Metals by SW6020A Prep Method: 3010A

Analyst: DEP % Moist: Tech: DEP

Seq Number: 3086431 Date Prep: 04.19.2019 08:10

Subcontractor: SUB: T104704215-19-29 Prep seq: 7676123

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Arsenic	7440-38-2	**0.00961**	0.00400	0.000246	mg/L	04.19.2019 21:51		1
Chromium	7440-47-3	**0.345**	0.00400	0.000525	mg/L	04.19.2019 21:51		1
Iron	7439-89-6	**0.0487**	0.100	0.0227	mg/L	04.19.2019 21:51	J	1
Manganese	7439-96-5	**0.00282**	0.00200	0.000199	mg/L	04.19.2019 21:51		1

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

Analyst: SPC % Moist: Tech: SPC

Seq Number: 3086374 Date Prep:

Prep seq:

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Chromium, Hexavalent	18540-29-9	**0.315**	0.0100	0.00273	mg/L	04.17.2019 08:31		1

Certificate of Analytical Results
621300
ARCADIS, Midland, TX
Eunice Project-N. Eunice

Sample Id: **MW020A** Matrix: Water Sample Depth:

Lab Sample Id: 621300-009 Date Collected: 04.16.2019 12:29 Date Received: 04.16.2019 18:30

Analytical Method: Chloride by EPA 300 Prep Method: E300P

Analyst: CHE % Moist: Tech: CHE

Seq Number: 3086646 Date Prep: 04.23.2019 11:00

Prep seq: 7676334

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Chloride	16887-00-6	**1320**	10.0	1.72	mg/L	04.23.2019 15:53		20

Analytical Method: TDS by SM2540C Prep Method:

Analyst: SPC % Moist: Tech: SPC

Seq Number: 3086383 Date Prep:

Prep seq:

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Total Dissolved Solids	1642222	**2180**	5.00	5.00	mg/L	04.19.2019 15:00		1

Analytical Method: Dissolved Metals by SW6020A Prep Method: 3010A

Analyst: DEP % Moist: Tech: DEP

Seq Number: 3086431 Date Prep: 04.19.2019 08:10

Subcontractor: SUB: T104704215-19-29 Prep seq: 7676123

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Arsenic	7440-38-2	**0.0111**	0.0200	0.00123	mg/L	04.22.2019 13:20	JD	5
Chromium	7440-47-3	**0.00560**	0.0200	0.00262	mg/L	04.22.2019 13:20	JD	5
Iron	7439-89-6	<0.114	0.500	0.114	mg/L	04.22.2019 13:20	UD	5
Manganese	7439-96-5	**0.00112**	0.0100	0.000993	mg/L	04.22.2019 13:20	JD	5

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

Analyst: SPC % Moist: Tech: SPC

Seq Number: 3086374 Date Prep:

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	04.17.2019 08:31	U	1

Certificate of Analytical Results
621300
ARCADIS, Midland, TX
Eunice Project-N. Eunice

Sample Id: **DUP01** Matrix: Water Sample Depth:

Lab Sample Id: 621300-010 Date Collected: 04.16.2019 00:00 Date Received: 04.16.2019 18:30

Analytical Method: Chloride by EPA 300 Prep Method: E300P

Analyst: CHE % Moist: Tech: CHE

Seq Number: 3086646 Date Prep: 04.23.2019 11:00

Prep seq: 7676334

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Chloride	16887-00-6	**361**	25.0	4.29	mg/L	04.23.2019 15:59		50

Analytical Method: TDS by SM2540C Prep Method:

Analyst: SPC % Moist: Tech: SPC

Seq Number: 3086383 Date Prep:

Prep seq:

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Total Dissolved Solids	1642222	**3190**	5.00	5.00	mg/L	04.19.2019 15:00		1

Analytical Method: Dissolved Metals by SW6020A Prep Method: 3010A

Analyst: DEP % Moist: Tech: DEP

Seq Number: 3086431 Date Prep: 04.19.2019 08:10

Subcontractor: SUB: T104704215-19-29 Prep seq: 7676123

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Arsenic	7440-38-2	**0.0106**	0.0200	0.00123	mg/L	04.22.2019 13:22	JD	5
Chromium	7440-47-3	**0.736**	0.0200	0.00262	mg/L	04.22.2019 13:22	D	5
Iron	7439-89-6	<0.114	0.500	0.114	mg/L	04.22.2019 13:22	UD	5
Manganese	7439-96-5	**0.105**	0.0100	0.000993	mg/L	04.22.2019 13:22	D	5

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

Analyst: SPC % Moist: Tech: SPC

Seq Number: 3086374 Date Prep:

Prep seq:

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Chromium, Hexavalent	18540-29-9	**0.698**	0.0500	0.0136	mg/L	04.17.2019 08:31	K	5

Certificate of Analytical Results
621300
ARCADIS, Midland, TX
Eunice Project-N. Eunice

Sample Id: **DUP01** Matrix: Water Sample Depth:

Lab Sample Id: 621300-010 Date Collected: 04.16.2019 00:00 Date Received: 04.16.2019 18:30

Analytical Method: TPH By SW8015 Mod Prep Method: 1005

Analyst: ARM % Moist: Tech: ARM

Seq Number: 3086104 Date Prep: 04.17.2019 08:00

Prep seq: 7675991

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Gasoline Range Hydrocarbons	PHC610	<0.986	1.50	0.986	mg/L	04.17.2019 17:12	U	1
Diesel Range Organics	C10C28DRO	<0.911	1.50	0.911	mg/L	04.17.2019 17:12	U	1
Oil Range Hydrocarbons	PHCG2835	<0.911	1.50	0.911	mg/L	04.17.2019 17:12	U	1
Total TPH	PHC635	<0.911	1.50	0.911	mg/L	04.17.2019 17:12	U	1

Surrogate	% Recovery	Limits	Units	Analysis Date	Flag
1-Chlorooctane	104	70 - 135	%		
o-Terphenyl	106	70 - 135	%		

Analytical Method: BTEX by EPA 8021B Prep Method: 5030B

Analyst: SCM % Moist: Tech: SCM

Seq Number: 3086156 Date Prep: 04.17.2019 16:00

Prep seq: 7676070

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Benzene	71-43-2	<0.000408	0.00200	0.000408	mg/L	04.18.2019 08:50	U	1
Toluene	108-88-3	<0.000367	0.00200	0.000367	mg/L	04.18.2019 08:50	U	1
Ethylbenzene	100-41-4	<0.000657	0.00200	0.000657	mg/L	04.18.2019 08:50	U	1
m,p-Xylenes	179601-23-1	<0.000630	0.00400	0.000630	mg/L	04.18.2019 08:50	U	1
o-Xylene	95-47-6	<0.000642	0.00200	0.000642	mg/L	04.18.2019 08:50	U	1
Total Xylenes	1330-20-7	<0.000630	0.00200	0.000630	mg/L	04.18.2019 08:50	U	1
Total BTEX		<0.000367	0.00200	0.000367	mg/L	04.18.2019 08:50	U	1

Surrogate	% Recovery	Limits	Units	Analysis Date	Flag
1,4-Difluorobenzene	101	70 - 130	%		
4-Bromofluorobenzene	111	70 - 130	%		

Certificate of Analytical Results
621300
ARCADIS, Midland, TX
Eunice Project-N. Eunice

Sample Id: **MW019A** Matrix: Water Sample Depth:

Lab Sample Id: 621300-011 Date Collected: 04.16.2019 12:55 Date Received: 04.16.2019 18:30

Analytical Method: Chloride by EPA 300 Prep Method: E300P

Analyst: CHE % Moist: Tech: CHE

Seq Number: 3086646 Date Prep: 04.23.2019 11:00

Prep seq: 7676334

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Chloride	16887-00-6	**303**	5.00	0.858	mg/L	04.23.2019 16:05		10

Analytical Method: TDS by SM2540C Prep Method:

Analyst: SPC % Moist: Tech: SPC

Seq Number: 3086383 Date Prep:

Prep seq:

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Total Dissolved Solids	1642222	**1110**	5.00	5.00	mg/L	04.19.2019 15:00		1

Analytical Method: Dissolved Metals by SW6020A Prep Method: 3010A

Analyst: DEP % Moist: Tech: DEP

Seq Number: 3086431 Date Prep: 04.19.2019 08:10

Subcontractor: SUB: T104704215-19-29 Prep seq: 7676123

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Arsenic	7440-38-2	**0.00627**	0.00400	0.000246	mg/L	04.19.2019 21:59		1
Chromium	7440-47-3	**0.000853**	0.00400	0.000525	mg/L	04.19.2019 21:59	J	1
Iron	7439-89-6	**0.0538**	0.100	0.0227	mg/L	04.19.2019 21:59	J	1
Manganese	7439-96-5	**0.0179**	0.00200	0.000199	mg/L	04.19.2019 21:59		1

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

Analyst: SPC % Moist: Tech: SPC

Seq Number: 3086374 Date Prep:

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	04.17.2019 08:31	U	1

Certificate of Analytical Results
621300
ARCADIS, Midland, TX
Eunice Project-N. Eunice

Sample Id: **MW018** Matrix: Water Sample Depth:

Lab Sample Id: 621300-012 Date Collected: 04.16.2019 13:17 Date Received: 04.16.2019 18:30

Analytical Method: Chloride by EPA 300 Prep Method: E300P

Analyst: CHE % Moist: Tech: CHE

Seq Number: 3086646 Date Prep: 04.23.2019 11:00

Prep seq: 7676334

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Chloride	16887-00-6	**455**	5.00	0.858	mg/L	04.23.2019 16:12		10

Analytical Method: TDS by SM2540C Prep Method:

Analyst: SPC % Moist: Tech: SPC

Seq Number: 3086383 Date Prep:

Prep seq:

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Total Dissolved Solids	1642222	**1600**	5.00	5.00	mg/L	04.19.2019 15:00		1

Analytical Method: Dissolved Metals by SW6020A Prep Method: 3010A

Analyst: DEP % Moist: Tech: DEP

Seq Number: 3086431 Date Prep: 04.19.2019 08:10

Subcontractor: SUB: T104704215-19-29 Prep seq: 7676123

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Arsenic	7440-38-2	**0.0124**	0.00400	0.000246	mg/L	04.19.2019 22:02		1
Chromium	7440-47-3	<0.000525	0.00400	0.000525	mg/L	04.19.2019 22:02	U	1
Iron	7439-89-6	**0.0574**	0.100	0.0227	mg/L	04.19.2019 22:02	J	1
Manganese	7439-96-5	**0.00194**	0.00200	0.000199	mg/L	04.19.2019 22:02	J	1

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

Analyst: SPC % Moist: Tech: SPC

Seq Number: 3086374 Date Prep:

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	04.17.2019 08:31	U	1

Certificate of Analytical Results
621300
ARCADIS, Midland, TX
Eunice Project-N. Eunice

Sample Id: **MW097P** Matrix: Water Sample Depth:

Lab Sample Id: 621300-013 Date Collected: 04.16.2019 13:45 Date Received: 04.16.2019 18:30

Analytical Method: Chloride by EPA 300 Prep Method: E300P

Analyst: CHE % Moist: Tech: CHE

Seq Number: 3086646 Date Prep: 04.23.2019 11:00

Prep seq: 7676334

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Chloride	16887-00-6	**1010**	25.0	4.29	mg/L	04.23.2019 16:18		50

Analytical Method: TDS by SM2540C Prep Method:

Analyst: SPC % Moist: Tech: SPC

Seq Number: 3086383 Date Prep:

Prep seq:

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Total Dissolved Solids	1642222	**3480**	5.00	5.00	mg/L	04.19.2019 15:00		1

Analytical Method: Dissolved Metals by SW6020A Prep Method: 3010A

Analyst: DEP % Moist: Tech: DEP

Seq Number: 3086431 Date Prep: 04.19.2019 08:10

Subcontractor: SUB: T104704215-19-29 Prep seq: 7676123

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Arsenic	7440-38-2	**0.0111**	0.0200	0.00123	mg/L	04.22.2019 13:25	JD	5
Chromium	7440-47-3	**0.479**	0.0200	0.00262	mg/L	04.22.2019 13:25	D	5
Iron	7439-89-6	<0.114	0.500	0.114	mg/L	04.22.2019 13:25	UD	5
Manganese	7439-96-5	**0.0557**	0.0100	0.000993	mg/L	04.22.2019 13:25	D	5

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

Analyst: SPC % Moist: Tech: SPC

Seq Number: 3086374 Date Prep:

Prep seq:

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Chromium, Hexavalent	18540-29-9	**0.360**	0.0100	0.00273	mg/L	04.17.2019 08:31		1

Certificate of Analytical Results
621300
ARCADIS, Midland, TX
Eunice Project-N. Eunice

Sample Id: **DUP03** Matrix: Water Sample Depth:

Lab Sample Id: 621300-014 Date Collected: 04.16.2019 00:00 Date Received: 04.16.2019 18:30

Analytical Method: Chloride by EPA 300 Prep Method: E300P

Analyst: CHE % Moist: Tech: CHE

Seq Number: 3086689 Date Prep: 04.23.2019 11:30

Prep seq: 7676336

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Chloride	16887-00-6	**1060**	10.0	1.72	mg/L	04.23.2019 16:37		20

Analytical Method: TDS by SM2540C Prep Method:

Analyst: CHE % Moist: Tech: CHE

Seq Number: 3086388 Date Prep:

Prep seq:

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Total Dissolved Solids	1642222	**2140**	5.00	5.00	mg/L	04.19.2019 16:00		1

Analytical Method: Dissolved Metals by SW6020A Prep Method: 3010A

Analyst: DEP % Moist: Tech: DEP

Seq Number: 3086431 Date Prep: 04.19.2019 08:10

Subcontractor: SUB: T104704215-19-29 Prep seq: 7676123

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Arsenic	7440-38-2	**0.0106**	0.0200	0.00123	mg/L	04.22.2019 13:34	JD	5
Chromium	7440-47-3	**0.00511**	0.0200	0.00262	mg/L	04.22.2019 13:34	JD	5
Iron	7439-89-6	<0.114	0.500	0.114	mg/L	04.22.2019 13:34	UD	5
Manganese	7439-96-5	**0.00123**	0.0100	0.000993	mg/L	04.22.2019 13:34	JD	5

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

Analyst: SPC % Moist: Tech: SPC

Seq Number: 3086374 Date Prep:

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	04.17.2019 08:31	UK	1

Certificate of Analytical Results
621300
ARCADIS, Midland, TX
Eunice Project-N. Eunice

Sample Id: **3086371-1-BLK** Matrix: Water Sample Depth:
Lab Sample Id: 3086371-1-BLK Date Collected: Date Received:
Analytical Method: Chromium, Hexavalent by SW 7196A Prep Method:
Analyst: SPC % Moist: Tech: SPC
Seq Number: 3086371 Date Prep:
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	04.17.2019 07:15	U	1

Sample Id: **3086374-1-BLK** Matrix: Water Sample Depth:
Lab Sample Id: 3086374-1-BLK Date Collected: Date Received:
Analytical Method: Chromium, Hexavalent by SW 7196A Prep Method:
Analyst: SPC % Moist: Tech: SPC
Seq Number: 3086374 Date Prep:
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	04.17.2019 08:31	U	1

Sample Id: **3086383-1-BLK** Matrix: Water Sample Depth:
Lab Sample Id: 3086383-1-BLK Date Collected: Date Received:
Analytical Method: TDS by SM2540C Prep Method:
Analyst: SPC % Moist: Tech: SPC
Seq Number: 3086383 Date Prep:
Prep seq:

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Total Dissolved Solids	1642222	<5.00	5.00	5.00	mg/L	04.19.2019 15:00	U	1

Sample Id: **3086388-1-BLK** Matrix: Water Sample Depth:
Lab Sample Id: 3086388-1-BLK Date Collected: Date Received:
Analytical Method: TDS by SM2540C Prep Method:
Analyst: CHE % Moist: Tech: CHE
Seq Number: 3086388 Date Prep:
Prep seq:

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Total Dissolved Solids	1642222	**18.5**	5.00	5.00	mg/L	04.19.2019 16:00	B	1

Certificate of Analytical Results
621300
ARCADIS, Midland, TX
Eunice Project-N. Eunice

Sample Id: **7675991-1-BLK** Matrix: Water Sample Depth:

Lab Sample Id: 7675991-1-BLK Date Collected: Date Received:

Analytical Method: TPH By SW8015 Mod Prep Method: 1005

Analyst: ARM % Moist: Tech: ARM

Seq Number: 3086104 Date Prep: 04.17.2019 08:00

Prep seq: 7675991

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Gasoline Range Hydrocarbons	PHC610	<0.986	1.50	0.986	mg/L	04.17.2019 12:12	U	1
Diesel Range Organics	C10C28DRO	<0.911	1.50	0.911	mg/L	04.17.2019 12:12	U	1
Oil Range Hydrocarbons	PHCG2835	<0.911	1.50	0.911	mg/L	04.17.2019 12:12	U	1
Total TPH	PHC635	<0.911	1.50	0.911	mg/L	04.17.2019 12:12	U	1

Surrogate	% Recovery	Limits	Units	Analysis Date	Flag
1-Chlorooctane	121	70 - 135	%		
o-Terphenyl	121	70 - 135	%		

Sample Id: **7676070-1-BLK** Matrix: Water Sample Depth:

Lab Sample Id: 7676070-1-BLK Date Collected: Date Received:

Analytical Method: BTEX by EPA 8021B Prep Method: 5030B

Analyst: SCM % Moist: Tech: SCM

Seq Number: 3086156 Date Prep: 04.17.2019 16:00

Prep seq: 7676070

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Benzene	71-43-2	<0.000408	0.00200	0.000408	mg/L	04.18.2019 03:57	U	1
Toluene	108-88-3	<0.000367	0.00200	0.000367	mg/L	04.18.2019 03:57	U	1
Ethylbenzene	100-41-4	<0.000657	0.00200	0.000657	mg/L	04.18.2019 03:57	U	1
m,p-Xylenes	179601-23-1	<0.000630	0.00400	0.000630	mg/L	04.18.2019 03:57	U	1
o-Xylene	95-47-6	<0.000642	0.00200	0.000642	mg/L	04.18.2019 03:57	U	1
Total Xylenes	1330-20-7	<0.000630	0.00200	0.000630	mg/L	04.18.2019 03:57	U	1
Total BTEX		<0.000367	0.00200	0.000367	mg/L	04.18.2019 03:57	U	1

Surrogate	% Recovery	Limits	Units	Analysis Date	Flag
1,4-Difluorobenzene	102	70 - 130	%		
4-Bromofluorobenzene	112	70 - 130	%		

Certificate of Analytical Results
621300
ARCADIS, Midland, TX
Eunice Project-N. Eunice

Sample Id: **7676123-1-BLK** Matrix: Water Sample Depth:
Lab Sample Id: 7676123-1-BLK Date Collected: Date Received:
Analytical Method: Dissolved Metals by SW6020A Prep Method: 3010A
Analyst: DEP % Moist: Tech: DEP
Seq Number: 3086431 Date Prep: 04.19.2019 08:10
Subcontractor: SUB: T104704215-19-29 Prep seq: 7676123

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Arsenic	7440-38-2	<0.000246	0.00400	0.000246	mg/L	04.19.2019 20:40	U	1
Chromium	7440-47-3	<0.000525	0.00400	0.000525	mg/L	04.19.2019 20:40	U	1
Iron	7439-89-6	<0.0227	0.100	0.0227	mg/L	04.19.2019 20:40	U	1
Manganese	7439-96-5	<0.000199	0.00200	0.000199	mg/L	04.19.2019 20:40	U	1

Sample Id: **7676334-1-BLK** Matrix: Water Sample Depth:
Lab Sample Id: 7676334-1-BLK Date Collected: Date Received:
Analytical Method: Chloride by EPA 300 Prep Method: E300P
Analyst: CHE % Moist: Tech: CHE
Seq Number: 3086646 Date Prep: 04.23.2019 11:00
Prep seq: 7676334

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Chloride	16887-00-6	<0.0858	0.500	0.0858	mg/L	04.23.2019 13:08	U	1

Sample Id: **7676336-1-BLK** Matrix: Water Sample Depth:
Lab Sample Id: 7676336-1-BLK Date Collected: Date Received:
Analytical Method: Chloride by EPA 300 Prep Method: E300P
Analyst: CHE % Moist: Tech: CHE
Seq Number: 3086689 Date Prep: 04.23.2019 11:30
Prep seq: 7676336

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Chloride	16887-00-6	<0.0858	0.500	0.0858	mg/L	04.23.2019 15:46	U	1

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.

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

Form 2 - Surrogate Recoveries

Project Name: Eunice Project-N. Eunice

Work Orders : 621300 **Project ID:** B0048789

Lab Batch #: 3086156 **Sample:** 7676070-1-BKS / BKS **Batch:** 1 **Matrix:** Water

Units: mg/L **Date Analyzed:** 04.18.2019 02:23 **SURROGATE RECOVERY STUDY**

BTEX by EPA 8021B Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1,4-Difluorobenzene	0.0296	0.0300	99	70-130	
4-Bromofluorobenzene	0.0294	0.0300	98	70-130	

Lab Batch #: 3086156 **Sample:** 7676070-1-BSD / BSD **Batch:** 1 **Matrix:** Water

Units: mg/L **Date Analyzed:** 04.18.2019 02:42 **SURROGATE RECOVERY STUDY**

BTEX by EPA 8021B Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1,4-Difluorobenzene	0.0294	0.0300	98	70-130	
4-Bromofluorobenzene	0.0298	0.0300	99	70-130	

Lab Batch #: 3086156 **Sample:** 621022-008 S / MS **Batch:** 1 **Matrix:** Water

Units: mg/L **Date Analyzed:** 04.18.2019 03:01 **SURROGATE RECOVERY STUDY**

BTEX by EPA 8021B Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1,4-Difluorobenzene	0.0281	0.0300	94	70-130	
4-Bromofluorobenzene	0.0286	0.0300	95	70-130	

Lab Batch #: 3086156 **Sample:** 621022-008 SD / MSD **Batch:** 1 **Matrix:** Water

Units: mg/L **Date Analyzed:** 04.18.2019 03:20 **SURROGATE RECOVERY STUDY**

BTEX by EPA 8021B Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1,4-Difluorobenzene	0.0285	0.0300	95	70-130	
4-Bromofluorobenzene	0.0287	0.0300	96	70-130	

Lab Batch #: 3086156 **Sample:** 7676070-1-BLK / BLK **Batch:** 1 **Matrix:** Water

Units: mg/L **Date Analyzed:** 04.18.2019 03:57 **SURROGATE RECOVERY STUDY**

BTEX by EPA 8021B Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1,4-Difluorobenzene	0.0305	0.0300	102	70-130	
4-Bromofluorobenzene	0.0336	0.0300	112	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.

Released to Imaging: 6/14/2022 10:44:20 AM

Form 2 - Surrogate Recoveries

Project Name: Eunice Project-N. Eunice

Work Orders : 621300 **Project ID:** B0048789

Lab Batch #: 3086104 **Sample:** 7675991-1-BLK / BLK **Batch:** 1 **Matrix:** Water

Units: mg/L **Date Analyzed:** 04.17.2019 12:12 **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	9.98	121	70-135	
o-Terphenyl	6.03	4.99	121	70-135	

Lab Batch #: 3086104 **Sample:** 7675991-1-BKS / BKS **Batch:** 1 **Matrix:** Water

Units: mg/L **Date Analyzed:** 04.17.2019 12:30 **SURROGATE RECOVERY STUDY**

TPH By SW8015 Mod Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1-Chlorooctane	13.0	9.99	130	70-135	
o-Terphenyl	6.24	4.99	125	70-135	

Lab Batch #: 3086104 **Sample:** 7675991-1-BSD / BSD **Batch:** 1 **Matrix:** Water

Units: mg/L **Date Analyzed:** 04.17.2019 12:49 **SURROGATE RECOVERY STUDY**

TPH By SW8015 Mod Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1-Chlorooctane	12.8	9.98	128	70-135	
o-Terphenyl	6.44	4.99	129	70-135	

Lab Batch #: 3086104 **Sample:** 621022-001 S / MS **Batch:** 1 **Matrix:** Water

Units: mg/L **Date Analyzed:** 04.17.2019 13:26 **SURROGATE RECOVERY STUDY**

TPH By SW8015 Mod Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1-Chlorooctane	12.2	9.99	122	70-135	
o-Terphenyl	5.83	4.99	117	70-135	

Lab Batch #: 3086104 **Sample:** 621022-001 SD / MSD **Batch:** 1 **Matrix:** Water

Units: mg/L **Date Analyzed:** 04.17.2019 13:45 **SURROGATE RECOVERY STUDY**

TPH By SW8015 Mod Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1-Chlorooctane	12.6	9.99	126	70-135	
o-Terphenyl	6.32	4.99	127	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.

BS / BSD Recoveries

Project Name: Eunice Project-N. Eunice

Work Order #: 621300 **Project ID:** B0048789

Analyst: SCM **Date Prepared:** 04.17.2019 **Date Analyzed:** 04.18.2019

Lab Batch ID: 3086156 **Sample:** 7676070-1-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	0.0969	97	0.100	0.0968	97	0	70-130	25	
Toluene	<0.000367	0.100	0.0939	94	0.100	0.0947	95	1	70-130	25	
Ethylbenzene	<0.000657	0.100	0.0974	97	0.100	0.0978	98	0	70-130	25	
m,p-Xylenes	<0.000630	0.200	0.193	97	0.200	0.194	97	1	70-130	25	
o-Xylene	<0.000642	0.100	0.0978	98	0.100	0.0989	99	1	70-130	25	

Analyst: CHE **Date Prepared:** 04.23.2019 **Date Analyzed:** 04.23.2019

Lab Batch ID: 3086646 **Sample:** 7676334-1-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	<0.0858	25.0	25.8	103	25.0	25.7	103	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

BS / BSD Recoveries

Project Name: Eunice Project-N. Eunice

Work Order #: 621300 **Project ID:** B0048789

Analyst: CHE **Date Prepared:** 04.23.2019 **Date Analyzed:** 04.23.2019

Lab Batch ID: 3086689 **Sample:** 7676336-1-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	<0.0858	25.0	24.1	96	25.0	24.6	98	2	90-110	20	

Analyst: SPC **Date Prepared:** 04.17.2019 **Date Analyzed:** 04.17.2019

Lab Batch ID: 3086371 **Sample:** 3086371-1-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	0.0363	91	0.0400	0.0366	92	1	85-115	20	

Analyst: SPC **Date Prepared:** 04.17.2019 **Date Analyzed:** 04.17.2019

Lab Batch ID: 3086374 **Sample:** 3086374-1-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	0.0360	90	0.0400	0.0361	90	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

BS / BSD Recoveries

Project Name: Eunice Project-N. Eunice

Work Order #: 621300 **Project ID:** B0048789

Analyst: DEP **Date Prepared:** 04.19.2019 **Date Analyzed:** 04.19.2019

Lab Batch ID: 3086431 **Sample:** 7676123-1-BKS **Batch #:** 1 **Matrix:** Water

Units: mg/L

BLANK /BLANK SPIKE / BLANK SPIKE DUPLICATE RECOVERY STUDY

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	0.0951	95	0.100	0.0966	97	2	80-120	20	
Chromium	<0.000525	0.100	0.0950	95	0.100	0.0969	97	2	80-120	20	
Iron	<0.0227	0.500	0.478	96	0.500	0.486	97	2	80-120	20	
Manganese	<0.000199	0.100	0.0941	94	0.100	0.0967	97	3	80-120	20	

Analyst: SPC **Date Prepared:** 04.19.2019 **Date Analyzed:** 04.19.2019

Lab Batch ID: 3086383 **Sample:** 3086383-1-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	<5.00	1000	978	98	1000	977	98	0	80-120	10	

Analyst: CHE **Date Prepared:** 04.19.2019 **Date Analyzed:** 04.19.2019

Lab Batch ID: 3086388 **Sample:** 3086388-1-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	18.5	1000	990	99	1000	992	99	0	80-120	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

BS / BSD Recoveries

Project Name: Eunice Project-N. Eunice

Work Order #: 621300 **Project ID:** B0048789

Analyst: ARM **Date Prepared:** 04.17.2019 **Date Analyzed:** 04.17.2019

Lab Batch ID: 3086104 **Sample:** 7675991-1-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	<0.986	99.9	98.9	99	99.8	104	104	5	70-135	20	
Diesel Range Organics	<0.911	99.9	101	101	99.8	107	107	6	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

Form 3 - MS / MSD Recoveries

Project Name: Eunice Project-N. Eunice

Work Order # : 621300 **Project ID:** B0048789

Lab Batch ID: 3086156 **QC- Sample ID:** 621022-008 S **Batch #:** 1 **Matrix:** Water

Date Analyzed: 04.18.2019 **Date Prepared:** 04.17.2019 **Analyst:** SCM

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	0.0856	86	0.100	0.0869	87	2	70-130	25	
Toluene	<0.000367	0.100	0.0883	88	0.100	0.0875	88	1	70-130	25	
Ethylbenzene	<0.000657	0.100	0.0931	93	0.100	0.0917	92	2	70-130	25	
m,p-Xylenes	<0.000630	0.200	0.185	93	0.200	0.182	91	2	70-130	25	
o-Xylene	<0.000642	0.100	0.0930	93	0.100	0.0919	92	1	70-130	25	

Lab Batch ID: 3086646 **QC- Sample ID:** 621298-010 S **Batch #:** 1 **Matrix:** Water

Date Analyzed: 04.23.2019 **Date Prepared:** 04.23.2019 **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	56.4	125	197	112	125	189	106	4	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.

Form 3 - MS / MSD Recoveries

Project Name: Eunice Project-N. Eunice

Work Order # : 621300 **Project ID:** B0048789

Lab Batch ID: 3086646 **QC- Sample ID:** 621300-004 S **Batch #:** 1 **Matrix:** Water

Date Analyzed: 04.23.2019 **Date Prepared:** 04.23.2019 **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	607	500	1060	91	500	1210	121	13	90-110	20	X

Lab Batch ID: 3086689 **QC- Sample ID:** 621880-001 S **Batch #:** 1 **Matrix:** Drinking Water

Date Analyzed: 04.23.2019 **Date Prepared:** 04.23.2019 **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	6.93	25.0	32.5	102	25.0	32.0	100	2	90-110	20	

Lab Batch ID: 3086689 **QC- Sample ID:** 621881-001 S **Batch #:** 1 **Matrix:** Drinking Water

Date Analyzed: 04.23.2019 **Date Prepared:** 04.23.2019 **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	13.8	25.0	39.1	101	25.0	38.9	100	1	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.

Form 3 - MS / MSD Recoveries

Project Name: Eunice Project-N. Eunice

Work Order # : 621300 **Project ID:** B0048789

Lab Batch ID: 3086371 **QC- Sample ID:** 621298-011 S **Batch #:** 1 **Matrix:** Water

Date Analyzed: 04.17.2019 **Date Prepared:** 04.17.2019 **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	0.0213	0.200	0.224	101	0.200	0.224	101	0	75-125	20	

Lab Batch ID: 3086374 **QC- Sample ID:** 621300-005 S **Batch #:** 1 **Matrix:** Water

Date Analyzed: 04.17.2019 **Date Prepared:** 04.17.2019 **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	0.175	0.200	0.375	100	0.200	0.375	100	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.

Form 3 - MS / MSD Recoveries

Project Name: Eunice Project-N. Eunice

Work Order # : 621300 **Project ID:** B0048789

Lab Batch ID: 3086431 **QC- Sample ID:** 621323-002 S **Batch #:** 1 **Matrix:** Water

Date Analyzed: 04.22.2019 **Date Prepared:** 04.19.2019 **Analyst:** DEP

Reporting Units: mg/L

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY STUDY

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	<0.00246	0.100	0.106	106	0.100	0.104	104	2	75-125	20	
Chromium	<0.00525	0.100	0.103	103	0.100	0.104	104	1	75-125	20	
Iron	29.7	0.500	30.5	160	0.500	30.5	160	0	75-125	20	X
Manganese	34.8	0.100	35.3	500	0.100	35.4	NC	0	75-125	20	X

Lab Batch ID: 3086104 **QC- Sample ID:** 621022-001 S **Batch #:** 1 **Matrix:** Water

Date Analyzed: 04.17.2019 **Date Prepared:** 04.17.2019 **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	<0.986	99.9	97.3	97	99.9	107	107	9	70-135	20	
Diesel Range Organics	<0.911	99.9	102	102	99.9	112	112	9	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

Project Name: Eunice Project-N. Eunice

Work Order #: 621300

Lab Batch #: 3086383 **Project ID:** B0048789
Date Analyzed: 04.19.2019 15:00 **Date Prepared:** 04.19.2019 **Analyst:** SPC
QC- Sample ID: 621298-010 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	481	490	2	10	

Lab Batch #: 3086383
Date Analyzed: 04.19.2019 15:00 **Date Prepared:** 04.19.2019 **Analyst:** SPC
QC- Sample ID: 621300-004 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	1860	1850	1	10	

Lab Batch #: 3086388
Date Analyzed: 04.19.2019 16:00 **Date Prepared:** 04.19.2019 **Analyst:** CHE
QC- Sample ID: 621300-014 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	2140	2150	0	10	

Lab Batch #: 3086388
Date Analyzed: 04.19.2019 16:00 **Date Prepared:** 04.19.2019 **Analyst:** CHE
QC- Sample ID: 621481-010 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	3690	3720	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: 621300

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:	Brett Krehbiel	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:	916-786-5382 Email:	brett.krehbiel@arcadis.com	

Work Order Comments

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

Project Name:	Eunice Project-N. Eunice	Turn Around	
Project Number:	30048789	Routine ☑	
P.O. Number:	30048789	Rush:	
Sampler's Name:	Jerry Longwell	Due Date:	

SAMPLE RECEIPT			
Temp Blank:	Yes (No)	Wet Ice:	(Yes) No
Temperature (°C):	2.3/2.2	Thermometer ID	R8
Received Intact:	(Yes) No		
Cooler Custody Seals:	Yes No (N/A)	Correction Factor:	-0.1
Sample Custody Seals:	Yes No (N/A)	Total Containers:	

ANALYSIS REQUEST

Sample Identification	Matrix	Date Sampled	Time Sampled	Depth	Number of Containers	BTEX (SW8021)	TPH (SW8015)	Hex Chrome (SW7196A)	Dissolved Metals (SW6020_DIS): Aresenic, Maganese, Iron & Chromium	TDS (SW2540)	Chlorides (E300)
MW054SA	W	04/16/19	0749		3			✓	✓	✓	✓
MW052SA	W	4/16/19	0816		3			✓	✓	✓	✓
MW049SA	W	4/16/19	0831		3			✓	✓	✓	✓
MW048SA	W	4/16/19	0843		3			✓	✓	✓	✓
MW041A	W	4/16/19	0859		3			✓	✓	✓	✓
EW019	W	4/16/19	0946		8	✓	✓	✓	✓	✓	✓
MW093SA	W	4/16/19	1123		3			✓	✓	✓	✓
EW023	W	4/16/19	1210		3			✓	✓	✓	✓
MW020A	W	4/16/19	1229		3			✓	✓	✓	✓
DUP01	W	4/16/19	—		8	✓	✓	✓	✓	✓	✓

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 Longwell	Winton Neal	4/16/19 16:20	2		4/16/19 1830
3				4		
5				6		

Revised Date 051418 Rev. 2018.1

Received by OCD: 3/25/2020 3:45:40 PM
Final 1.007
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Released to Imaging: 6/14/2022 10:44:20 AM

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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: 621300

Page 1 of 2

Project Manager:	Brett Krehbiel	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:	916-786-5382	Email:	brett.krehbiel@arcadis.com

Work Order Comments

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

Project Name:	Eunice Project-N. Eunice	Turn Around	
Project Number:	30048789	Routine	☒
P.O. Number:	30048789	Rush:	
Sampler's Name:	Jerry Schoonmaker	Due Date:	

SAMPLE RECEIPT			
Temp Blank:	Yes (No)	Wet Ice:	(Yes) No
Temperature (°C):	2.3/2.2	Thermometer ID	R8
Received Intact:	(Yes) No		
Cooler Custody Seals:	Yes No (N/A)	Correction Factor:	-0.1
Sample Custody Seals:	Yes No (N/A)	Total Containers:	

Sample Identification	Matrix	Date Sampled	Time Sampled	Depth	Number of Containers	BTEX (SW8021)	TPH (SW8015)	Hex Chrome (SW7196A)	Dissolved Metals (SW6020_DIS): Aresenic, Maganese, Iron & Chromium	TDS (SW2540)	Chlorides (E300)
MW018A	W	4/16/19	1255		3			✓	✓	✓	✓
~~MW018A~~ MW018	W	4/16/19	1317		3			✓	✓	✓	✓
MW097P	W	4/16/19	1345		3			✓	✓	✓	✓
DUP03	W	4/16/19	—		3			✓	✓	✓	✓

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 Schoonmaker	Winston Noel	4/16/19 16:20	2		
3				4		
5				6		

Revised Date 051418 Rev. 2018.1

Received by OCD: 3/25/2020 3:45:40 PM
Released to Imaging: 6/14/2022 10:44:20 AM
Final 1.007
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Inter-Office Shipment

IOS Number : 37229

Date/Time:	04.17.2019 10:24	Created by:	Katie Lowe	Please send report to:	John Builes
Lab# From:	**Midland**	Delivery Priority:		Address:	1211 W. Florida Ave
Lab# To:	**Houston**	Air Bill No.:	775000129282	E-Mail:	john.builes@xenco.com

Sample Id	Matrix	Client Sample Id	Sample Collection	Method	Method Name	Lab Due	HT Due	PM	Analytes	Sign
621300-001	W	MW0545A	04.16.2019 07:49	SW6020_DIS	Dissolved Metals by SW6020A	04.22.2019	10.13.2019	JHB	AS CR FE MN	
621300-002	W	MW0525A	04.16.2019 08:16	SW6020_DIS	Dissolved Metals by SW6020A	04.22.2019	10.13.2019	JHB	AS CR FE MN	
621300-003	W	MW0495A	04.16.2019 08:31	SW6020_DIS	Dissolved Metals by SW6020A	04.22.2019	10.13.2019	JHB	AS CR FE MN	
621300-004	W	MW0485A	04.16.2019 08:43	SW6020_DIS	Dissolved Metals by SW6020A	04.22.2019	10.13.2019	JHB	AS CR FE MN	
621300-005	W	MW041A	04.16.2019 08:59	SW6020_DIS	Dissolved Metals by SW6020A	04.22.2019	10.13.2019	JHB	AS CR FE MN	
621300-006	W	IW019	04.16.2019 09:44	SW6020_DIS	Dissolved Metals by SW6020A	04.22.2019	10.13.2019	JHB	AS CR FE MN	
621300-007	W	MW09935A	04.16.2019 11:23	SW6020_DIS	Dissolved Metals by SW6020A	04.22.2019	10.13.2019	JHB	AS CR FE MN	
621300-008	W	IW023	04.16.2019 12:10	SW6020_DIS	Dissolved Metals by SW6020A	04.22.2019	10.13.2019	JHB	AS CR FE MN	
621300-009	W	MW020A	04.16.2019 12:29	SW6020_DIS	Dissolved Metals by SW6020A	04.22.2019	10.13.2019	JHB	AS CR FE MN	
621300-010	W	DUP01	04.16.2019 00:00	SW6020_DIS	Dissolved Metals by SW6020A	04.22.2019	10.13.2019	JHB	AS CR FE MN	
621300-011	W	MW0019A	04.16.2019 12:55	SW6020_DIS	Dissolved Metals by SW6020A	04.22.2019	10.13.2019	JHB	AS CR FE MN	
621300-012	W	MW018	04.16.2019 13:17	SW6020_DIS	Dissolved Metals by SW6020A	04.22.2019	10.13.2019	JHB	AS CR FE MN	
621300-013	W	MW0977	04.16.2019 13:45	SW6020_DIS	Dissolved Metals by SW6020A	04.22.2019	10.13.2019	JHB	AS CR FE MN	
621300-014	W	DUP03	04.16.2019 00:00	SW6020_DIS	Dissolved Metals by SW6020A	04.22.2019	10.13.2019	JHB	AS CR FE MN	

Inter Office Shipment or Sample Comments:

Relinquished By: Katie Lowe

Date Relinquished: 04.17.2019

Received By: Travis Simmons

Date Received: 04.18.2019 10:00

Cooler Temperature: 1.2

XENCO Laboratories

Inter Office Report- Sample Receipt Checklist

Sent To: Houston

IOS #: 37229

Acceptable Temperature Range: 0 - 6 degC
Air and Metal samples Acceptable Range: Ambient
Temperature Measuring device used : HOU-068

Sent By: Katie Lowe **Date Sent:** 04/17/2019 10:24 AM

Received By: Travis Simmons **Date Received:** 04/18/2019 10:00 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: Travis Simmons Date: 04/18/2019

Travis Simmons

XENCO Laboratories

Prelogin/Nonconformance Report- Sample Log-In

Client: ARCADIS

Date/ Time Received: 04/16/2019 06:30:00 PM

Work Order #: 621300

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

Temperature Measuring device used : R8

Sample Receipt Checklist		Comments
#1 *Temperature of cooler(s)?	2.2	
#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?	**Yes**	

*** Must be completed for after-hours delivery of samples prior to placing in the refrigerator**

Analyst: BT PH Device/Lot#: A023690

Checklist completed by: Katie Lowe Date: 04/16/2019

Checklist reviewed by: John Builes Date: 04/22/2019

Analytical Report 621481

for

ARCADIS

Project Manager: Brett Krehbiel

Eunice Project-N. Eunice

08.08.2019

Collected By: Client

1211 W. Florida Ave
Midland TX 79701

Xenco-Houston (EPA Lab Code: TX00122):
Texas (T104704215-19-29), Arizona (AZ0765), Florida (E871002-24), Louisiana (03054)
Oklahoma (2017-142), North Carolina (681)

Xenco-Dallas (EPA Lab Code: TX01468):
Texas (T104704295-19-19), Arizona (AZ0809), Arkansas (17-063-0)

Xenco-El Paso (EPA Lab Code: TX00127): Texas (T104704221-18-14)
Xenco-Lubbock (EPA Lab Code: TX00139): Texas (T104704219-19-20)
Xenco-Midland (EPA Lab Code: TX00158): Texas (T104704400-18-18)
Xenco-San Antonio (EPA Lab Code: TNI02385): Texas (T104704534-18-4)
Xenco Phoenix (EPA Lab Code: AZ00901): Arizona (AZ0757)
Xenco-Atlanta (LELAP Lab ID #04176)
Xenco-Tampa: Florida (E87429), North Carolina (483)

08.08.2019

Project Manager: **Brett Krehbiel**
ARCADIS
1004 N. Big Spring St.
Midland, TX 79701

Reference: XENCO Report No(s): **621481**
Eunice Project-N. Eunice
Project Address: Eunice, NM

Brett Krehbiel:

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 XENCO Report Number(s) 621481. 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 XENCO Laboratories. 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. 621481 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 XENCO Laboratories 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

Sample Cross Reference 621481

ARCADIS, Midland, TX

Eunice Project-N. Eunice

Sample Id	Matrix	Date Collected	Sample Depth	Lab Sample Id
MW090SA	W	04.17.2019 07:46		621481-001
MW089SA	W	04.17.2019 08:00		621481-002
MW007A	W	04.17.2019 08:16		621481-003
MW047	W	04.17.2019 08:32		621481-004
MW001	W	04.17.2019 08:53		621481-005
MW002A	W	04.17.2019 09:22		621481-006
MW046A	W	04.17.2019 09:50		621481-007
MW045	W	04.17.2019 10:08		621481-008
MW012M	W	04.17.2019 12:18		621481-009
MW088M	W	04.17.2019 12:29		621481-010
MW087A	W	04.17.2019 12:46		621481-011
MW008M	W	04.17.2019 12:57		621481-012
MW011A	W	04.17.2019 13:13		621481-013
MW056SA	W	04.17.2019 13:34		621481-014
DUP05	W	04.17.2019 00:00		621481-015

CASE NARRATIVE

Client Name: ARCADIS

Project Name: Eunice Project-N. Eunice

Project ID:
Work Order Number(s): *621481*

Report Date: *08.08.2019*
Date Received: *04.17.2019*

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-3086388 TDS by SM2540C

Total Dissolved Solids detected in the blank above the MQL, therefore possible laboratory contamination indicating a potential high bias. Samples in the analytical batch are: 621481-001, -002, -003, -004, -005, -006, -007, -008, -009, -010, -011, -012, -013, -014, -015.

Batch: LBA-3086885 Chromium, Hexavalent by SW 7196A

All samples ran with in hold time, sampling took place in a different time zone.

Batch: LBA-3086888 Chromium, Hexavalent by SW 7196A

Samples 11 and 12 are a false positive due to iron interference and exhibited no color change.

Sample 621481 -015 K-flag due to no sample time entered for duplicate.

Certificate of Analytical Results
621481
ARCADIS, Midland, TX
Eunice Project-N. Eunice

Sample Id: **MW090SA** Matrix: Water Sample Depth:

Lab Sample Id: 621481-001 Date Collected: 04.17.2019 07:46 Date Received: 04.17.2019 19:00

Analytical Method: Chloride by EPA 300 Prep Method: E300P

Analyst: CHE % Moist: Tech: CHE

Seq Number: 3086689 Date Prep: 04.23.2019 11:30

Prep seq: 7676336

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Chloride	16887-00-6	**520**	10.0	1.72	mg/L	04.23.2019 16:44		20

Analytical Method: TDS by SM2540C Prep Method:

Analyst: CHE % Moist: Tech: CHE

Seq Number: 3086388 Date Prep:

Prep seq:

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Total Dissolved Solids	1642222	**2210**	5.00	5.00	mg/L	04.19.2019 16:00		1

Analytical Method: Dissolved Metals by SW6020A Prep Method: 3010A

Analyst: DEP % Moist: Tech: DEP

Seq Number: 3086717 Date Prep: 04.23.2019 08:50

Subcontractor: SUB: T104704215-19-29 Prep seq: 7676321

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Arsenic	7440-38-2	**0.00960**	0.00400	0.000246	mg/L	04.24.2019 12:26		1
Chromium	7440-47-3	**0.265**	0.00400	0.000525	mg/L	04.26.2019 21:48		1
Iron	7439-89-6	<0.0227	0.100	0.0227	mg/L	04.24.2019 12:26	U	1
Manganese	7439-96-5	**0.000728**	0.00200	0.000199	mg/L	04.24.2019 12:26	J	1

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

Analyst: SCM % Moist: Tech: SCM

Seq Number: 3086885 Date Prep:

Prep seq:

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Chromium, Hexavalent	18540-29-9	**0.310**	0.0100	0.00273	mg/L	04.18.2019 08:01	K	1

Certificate of Analytical Results
621481
ARCADIS, Midland, TX
Eunice Project-N. Eunice

Sample Id: **MW089SA** Matrix: Water Sample Depth:

Lab Sample Id: 621481-002 Date Collected: 04.17.2019 08:00 Date Received: 04.17.2019 19:00

Analytical Method: Chloride by EPA 300 Prep Method: E300P

Analyst: CHE % Moist: Tech: CHE

Seq Number: 3086689 Date Prep: 04.23.2019 11:30

Prep seq: 7676336

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Chloride	16887-00-6	**934**	25.0	4.29	mg/L	04.23.2019 16:51		50

Analytical Method: TDS by SM2540C Prep Method:

Analyst: CHE % Moist: Tech: CHE

Seq Number: 3086388 Date Prep:

Prep seq:

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Total Dissolved Solids	1642222	**4260**	5.00	5.00	mg/L	04.19.2019 16:00		1

Analytical Method: Dissolved Metals by SW6020A Prep Method: 3010A

Analyst: DEP % Moist: Tech: DEP

Seq Number: 3086717 Date Prep: 04.23.2019 08:50

Subcontractor: SUB: T104704215-19-29 Prep seq: 7676321

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Arsenic	7440-38-2	**0.0107**	0.00400	0.000246	mg/L	04.24.2019 13:07		1
Chromium	7440-47-3	**1.10**	0.0400	0.00525	mg/L	04.24.2019 14:05	D	10
Iron	7439-89-6	<0.227	1.00	0.227	mg/L	04.24.2019 14:05	UD	10
Manganese	7439-96-5	**0.00835**	0.00200	0.000199	mg/L	04.24.2019 13:07		1

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

Analyst: SCM % Moist: Tech: SCM

Seq Number: 3086885 Date Prep:

Prep seq:

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Chromium, Hexavalent	18540-29-9	**1.06**	0.200	0.0545	mg/L	04.18.2019 08:01	K	20

Certificate of Analytical Results
621481
ARCADIS, Midland, TX
Eunice Project-N. Eunice

Sample Id: **MW007A** Matrix: Water Sample Depth:

Lab Sample Id: 621481-003 Date Collected: 04.17.2019 08:16 Date Received: 04.17.2019 19:00

Analytical Method: Chloride by EPA 300 Prep Method: E300P

Analyst: CHE % Moist: Tech: CHE

Seq Number: 3086689 Date Prep: 04.23.2019 11:30

Prep seq: 7676336

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Chloride	16887-00-6	**792**	10.0	1.72	mg/L	04.23.2019 17:16		20

Analytical Method: TDS by SM2540C Prep Method:

Analyst: CHE % Moist: Tech: CHE

Seq Number: 3086388 Date Prep:

Prep seq:

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Total Dissolved Solids	1642222	**3350**	5.00	5.00	mg/L	04.19.2019 16:00		1

Analytical Method: Dissolved Metals by SW6020A Prep Method: 3010A

Analyst: DEP % Moist: Tech: DEP

Seq Number: 3086717 Date Prep: 04.23.2019 08:50

Subcontractor: SUB: T104704215-19-29 Prep seq: 7676321

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Arsenic	7440-38-2	**0.0109**	0.00400	0.000246	mg/L	04.24.2019 13:10		1
Chromium	7440-47-3	**0.711**	0.0400	0.00525	mg/L	04.24.2019 14:08	D	10
Iron	7439-89-6	<0.227	1.00	0.227	mg/L	04.24.2019 14:08	UD	10
Manganese	7439-96-5	**0.000644**	0.00200	0.000199	mg/L	04.24.2019 13:10	J	1

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

Analyst: SCM % Moist: Tech: SCM

Seq Number: 3086885 Date Prep:

Prep seq:

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Chromium, Hexavalent	18540-29-9	**0.660**	0.200	0.0545	mg/L	04.18.2019 08:01		20

Certificate of Analytical Results
621481
ARCADIS, Midland, TX
Eunice Project-N. Eunice

Sample Id: **MW047** Matrix: Water Sample Depth:

Lab Sample Id: 621481-004 Date Collected: 04.17.2019 08:32 Date Received: 04.17.2019 19:00

Analytical Method: Chloride by EPA 300 Prep Method: E300P

Analyst: CHE % Moist: Tech: CHE

Seq Number: 3086689 Date Prep: 04.23.2019 11:30

Prep seq: 7676336

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Chloride	16887-00-6	**272**	5.00	0.858	mg/L	04.23.2019 17:40		10

Analytical Method: TDS by SM2540C Prep Method:

Analyst: CHE % Moist: Tech: CHE

Seq Number: 3086388 Date Prep:

Prep seq:

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Total Dissolved Solids	1642222	**968**	5.00	5.00	mg/L	04.19.2019 16:00		1

Analytical Method: Dissolved Metals by SW6020A Prep Method: 3010A

Analyst: DEP % Moist: Tech: DEP

Seq Number: 3086717 Date Prep: 04.23.2019 08:50

Subcontractor: SUB: T104704215-19-29 Prep seq: 7676321

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Arsenic	7440-38-2	**0.0116**	0.00400	0.000246	mg/L	04.24.2019 13:12		1
Chromium	7440-47-3	**0.0809**	0.00400	0.000525	mg/L	04.24.2019 13:12		1
Iron	7439-89-6	**0.0228**	0.100	0.0227	mg/L	04.24.2019 16:50	J	1
Manganese	7439-96-5	**0.000519**	0.00200	0.000199	mg/L	04.24.2019 13:12	J	1

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

Analyst: SCM % Moist: Tech: SCM

Seq Number: 3086885 Date Prep:

Prep seq:

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Chromium, Hexavalent	18540-29-9	**0.0709**	0.0100	0.00273	mg/L	04.18.2019 08:01		1

Certificate of Analytical Results
621481
ARCADIS, Midland, TX
Eunice Project-N. Eunice

Sample Id: **MW001** Matrix: Water Sample Depth:

Lab Sample Id: 621481-005 Date Collected: 04.17.2019 08:53 Date Received: 04.17.2019 19:00

Analytical Method: Chloride by EPA 300 Prep Method: E300P

Analyst: CHE % Moist: Tech: CHE

Seq Number: 3086689 Date Prep: 04.23.2019 11:30

Prep seq: 7676336

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Chloride	16887-00-6	**451**	10.0	1.72	mg/L	04.23.2019 17:47		20

Analytical Method: TDS by SM2540C Prep Method:

Analyst: CHE % Moist: Tech: CHE

Seq Number: 3086388 Date Prep:

Prep seq:

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Total Dissolved Solids	1642222	**2570**	5.00	5.00	mg/L	04.19.2019 16:00		1

Analytical Method: Dissolved Metals by SW6020A Prep Method: 3010A

Analyst: DEP % Moist: Tech: DEP

Seq Number: 3086717 Date Prep: 04.23.2019 08:50

Subcontractor: SUB: T104704215-19-29 Prep seq: 7676321

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Arsenic	7440-38-2	**0.00174**	0.00400	0.000246	mg/L	04.24.2019 13:15	J	1
Chromium	7440-47-3	**0.00142**	0.00400	0.000525	mg/L	04.24.2019 13:15	J	1
Iron	7439-89-6	<0.0227	0.100	0.0227	mg/L	04.24.2019 16:53	U	1
Manganese	7439-96-5	**0.858**	0.00200	0.000199	mg/L	04.24.2019 13:15		1

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

Analyst: SCM % Moist: Tech: SCM

Seq Number: 3086885 Date Prep:

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	04.18.2019 08:01	U	1

Certificate of Analytical Results
621481
ARCADIS, Midland, TX
Eunice Project-N. Eunice

Sample Id: **MW001** Matrix: Water Sample Depth:

Lab Sample Id: 621481-005 Date Collected: 04.17.2019 08:53 Date Received: 04.17.2019 19:00

Analytical Method: TPH By SW8015 Mod Prep Method: 1005

Analyst: ARM % Moist: Tech: ARM

Seq Number: 3086492 Date Prep: 04.21.2019 08:00

Prep seq: 7676242

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Gasoline Range Hydrocarbons	PHC610	<0.986	1.50	0.986	mg/L	04.21.2019 09:50	U	1
Diesel Range Organics	C10C28DRO	<0.911	1.50	0.911	mg/L	04.21.2019 09:50	U	1
Oil Range Hydrocarbons	PHCG2835	<0.911	1.50	0.911	mg/L	04.21.2019 09:50	U	1
Total TPH	PHC635	<0.911	1.50	0.911	mg/L	04.21.2019 09:50	U	1

Surrogate	% Recovery	Limits	Units	Analysis Date	Flag
1-Chlorooctane	104	70 - 135	%		
o-Terphenyl	106	70 - 135	%		

Analytical Method: BTEX by EPA 8021B Prep Method: 5030B

Analyst: SCM % Moist: Tech: SCM

Seq Number: 3086556 Date Prep: 04.22.2019 14:45

Prep seq: 7676301

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Benzene	71-43-2	<0.000408	0.00200	0.000408	mg/L	04.22.2019 20:01	U	1
Toluene	108-88-3	<0.000367	0.00200	0.000367	mg/L	04.22.2019 20:01	U	1
Ethylbenzene	100-41-4	<0.000657	0.00200	0.000657	mg/L	04.22.2019 20:01	U	1
m,p-Xylenes	179601-23-1	<0.000630	0.00400	0.000630	mg/L	04.22.2019 20:01	U	1
o-Xylene	95-47-6	<0.000642	0.00200	0.000642	mg/L	04.22.2019 20:01	U	1
Total Xylenes	1330-20-7	<0.000630	0.00200	0.000630	mg/L	04.22.2019 20:01	U	1
Total BTEX		<0.000367	0.00200	0.000367	mg/L	04.22.2019 20:01	U	1

Surrogate	% Recovery	Limits	Units	Analysis Date	Flag
1,4-Difluorobenzene	106	70 - 130	%		
4-Bromofluorobenzene	102	70 - 130	%		

Certificate of Analytical Results
621481
ARCADIS, Midland, TX
Eunice Project-N. Eunice

Sample Id: **MW002A** Matrix: Water Sample Depth:

Lab Sample Id: 621481-006 Date Collected: 04.17.2019 09:22 Date Received: 04.17.2019 19:00

Analytical Method: Chloride by EPA 300 Prep Method: E300P

Analyst: CHE % Moist: Tech: CHE

Seq Number: 3086689 Date Prep: 04.23.2019 11:30

Prep seq: 7676336

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Chloride	16887-00-6	**1430**	25.0	4.29	mg/L	04.23.2019 17:55		50

Analytical Method: TDS by SM2540C Prep Method:

Analyst: CHE % Moist: Tech: CHE

Seq Number: 3086388 Date Prep:

Prep seq:

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Total Dissolved Solids	1642222	**3420**	5.00	5.00	mg/L	04.19.2019 16:00		1

Analytical Method: Dissolved Metals by SW6020A Prep Method: 3010A

Analyst: DEP % Moist: Tech: DEP

Seq Number: 3086717 Date Prep: 04.23.2019 08:50

Subcontractor: SUB: T104704215-19-29 Prep seq: 7676321

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Arsenic	7440-38-2	**0.0193**	0.00400	0.000246	mg/L	04.24.2019 13:18		1
Chromium	7440-47-3	**0.889**	0.0400	0.00525	mg/L	04.24.2019 14:11	D	10
Iron	7439-89-6	<0.227	1.00	0.227	mg/L	04.24.2019 14:11	UD	10
Manganese	7439-96-5	**0.0201**	0.00200	0.000199	mg/L	04.24.2019 13:18		1

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

Analyst: SCM % Moist: Tech: SCM

Seq Number: 3086885 Date Prep:

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	04.18.2019 08:01	J	1

Certificate of Analytical Results
621481
ARCADIS, Midland, TX
Eunice Project-N. Eunice

Sample Id: **MW046A** Matrix: Water Sample Depth:

Lab Sample Id: 621481-007 Date Collected: 04.17.2019 09:50 Date Received: 04.17.2019 19:00

Analytical Method: Chloride by EPA 300 Prep Method: E300P

Analyst: CHE % Moist: Tech: CHE

Seq Number: 3086689 Date Prep: 04.23.2019 11:30

Prep seq: 7676336

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Chloride	16887-00-6	**745**	10.0	1.72	mg/L	04.23.2019 18:02		20

Analytical Method: TDS by SM2540C Prep Method:

Analyst: CHE % Moist: Tech: CHE

Seq Number: 3086388 Date Prep:

Prep seq:

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Total Dissolved Solids	1642222	**3260**	5.00	5.00	mg/L	04.19.2019 16:00		1

Analytical Method: Dissolved Metals by SW6020A Prep Method: 3010A

Analyst: DEP % Moist: Tech: DEP

Seq Number: 3086717 Date Prep: 04.23.2019 08:50

Subcontractor: SUB: T104704215-19-29 Prep seq: 7676321

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Arsenic	7440-38-2	**0.0103**	0.00400	0.000246	mg/L	04.24.2019 13:21		1
Chromium	7440-47-3	**1.49**	0.0400	0.00525	mg/L	04.24.2019 14:13	D	10
Iron	7439-89-6	<0.227	1.00	0.227	mg/L	04.24.2019 14:13	UD	10
Manganese	7439-96-5	**0.00333**	0.00200	0.000199	mg/L	04.24.2019 13:21		1

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

Analyst: SCM % Moist: Tech: SCM

Seq Number: 3086885 Date Prep:

Prep seq:

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Chromium, Hexavalent	18540-29-9	**1.73**	0.200	0.0545	mg/L	04.18.2019 08:01		20

Certificate of Analytical Results
621481
ARCADIS, Midland, TX
Eunice Project-N. Eunice

Sample Id: **MW046A** Matrix: Water Sample Depth:

Lab Sample Id: 621481-007 Date Collected: 04.17.2019 09:50 Date Received: 04.17.2019 19:00

Analytical Method: TPH By SW8015 Mod Prep Method: 1005

Analyst: ARM % Moist: Tech: ARM

Seq Number: 3086492 Date Prep: 04.21.2019 08:00

Prep seq: 7676242

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Gasoline Range Hydrocarbons	PHC610	<0.987	1.50	0.987	mg/L	04.21.2019 10:48	U	1
Diesel Range Organics	C10C28DRO	<0.911	1.50	0.911	mg/L	04.21.2019 10:48	U	1
Oil Range Hydrocarbons	PHCG2835	<0.911	1.50	0.911	mg/L	04.21.2019 10:48	U	1
Total TPH	PHC635	<0.911	1.50	0.911	mg/L	04.21.2019 10:48	U	1

Surrogate	% Recovery	Limits	Units	Analysis Date	Flag
1-Chlorooctane	110	70 - 135	%		
o-Terphenyl	110	70 - 135	%		

Analytical Method: BTEX by EPA 8021B Prep Method: 5030B

Analyst: SCM % Moist: Tech: SCM

Seq Number: 3086556 Date Prep: 04.22.2019 14:45

Prep seq: 7676301

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Benzene	71-43-2	<0.000408	0.00200	0.000408	mg/L	04.22.2019 20:20	U	1
Toluene	108-88-3	<0.000367	0.00200	0.000367	mg/L	04.22.2019 20:20	U	1
Ethylbenzene	100-41-4	<0.000657	0.00200	0.000657	mg/L	04.22.2019 20:20	U	1
m,p-Xylenes	179601-23-1	<0.000630	0.00400	0.000630	mg/L	04.22.2019 20:20	U	1
o-Xylene	95-47-6	<0.000642	0.00200	0.000642	mg/L	04.22.2019 20:20	U	1
Total Xylenes	1330-20-7	<0.000630	0.00200	0.000630	mg/L	04.22.2019 20:20	U	1
Total BTEX		<0.000367	0.00200	0.000367	mg/L	04.22.2019 20:20	U	1

Surrogate	% Recovery	Limits	Units	Analysis Date	Flag
1,4-Difluorobenzene	105	70 - 130	%		
4-Bromofluorobenzene	99	70 - 130	%		

Certificate of Analytical Results
621481
ARCADIS, Midland, TX
Eunice Project-N. Eunice

Sample Id: **MW045** Matrix: Water Sample Depth:

Lab Sample Id: 621481-008 Date Collected: 04.17.2019 10:08 Date Received: 04.17.2019 19:00

Analytical Method: Chloride by EPA 300 Prep Method: E300P

Analyst: CHE % Moist: Tech: CHE

Seq Number: 3086689 Date Prep: 04.23.2019 11:30

Prep seq: 7676336

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Chloride	16887-00-6	**76.0**	5.00	0.858	mg/L	04.23.2019 18:09		10

Analytical Method: TDS by SM2540C Prep Method:

Analyst: CHE % Moist: Tech: CHE

Seq Number: 3086388 Date Prep:

Prep seq:

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Total Dissolved Solids	1642222	**1460**	5.00	5.00	mg/L	04.19.2019 16:00		1

Analytical Method: Dissolved Metals by SW6020A Prep Method: 3010A

Analyst: DEP % Moist: Tech: DEP

Seq Number: 3086717 Date Prep: 04.23.2019 08:50

Subcontractor: SUB: T104704215-19-29 Prep seq: 7676321

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Arsenic	7440-38-2	**0.00232**	0.00400	0.000246	mg/L	04.24.2019 13:24	J	1
Chromium	7440-47-3	**0.0120**	0.00400	0.000525	mg/L	04.24.2019 13:24		1
Iron	7439-89-6	**0.0767**	0.100	0.0227	mg/L	04.24.2019 17:02	J	1
Manganese	7439-96-5	**0.0782**	0.00200	0.000199	mg/L	04.24.2019 13:24		1

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

Analyst: SCM % Moist: Tech: SCM

Seq Number: 3086885 Date Prep:

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	04.18.2019 08:01	U	1

Certificate of Analytical Results
621481
ARCADIS, Midland, TX
Eunice Project-N. Eunice

Sample Id: **MW045** Matrix: Water Sample Depth:

Lab Sample Id: 621481-008 Date Collected: 04.17.2019 10:08 Date Received: 04.17.2019 19:00

Analytical Method: TPH By SW8015 Mod Prep Method: 1005

Analyst: ARM % Moist: Tech: ARM

Seq Number: 3086492 Date Prep: 04.21.2019 08:00

Prep seq: 7676242

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Gasoline Range Hydrocarbons	PHC610	<0.987	1.50	0.987	mg/L	04.21.2019 11:08	U	1
Diesel Range Organics	C10C28DRO	<0.912	1.50	0.912	mg/L	04.21.2019 11:08	U	1
Oil Range Hydrocarbons	PHCG2835	<0.912	1.50	0.912	mg/L	04.21.2019 11:08	U	1
Total TPH	PHC635	<0.912	1.50	0.912	mg/L	04.21.2019 11:08	U	1

Surrogate	% Recovery	Limits	Units	Analysis Date	Flag
1-Chlorooctane	101	70 - 135	%		
o-Terphenyl	101	70 - 135	%		

Analytical Method: BTEX by EPA 8021B Prep Method: 5030B

Analyst: SCM % Moist: Tech: SCM

Seq Number: 3086556 Date Prep: 04.22.2019 14:45

Prep seq: 7676301

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Benzene	71-43-2	<0.000408	0.00200	0.000408	mg/L	04.22.2019 19:41	U	1
Toluene	108-88-3	<0.000367	0.00200	0.000367	mg/L	04.22.2019 19:41	U	1
Ethylbenzene	100-41-4	<0.000657	0.00200	0.000657	mg/L	04.22.2019 19:41	U	1
m,p-Xylenes	179601-23-1	<0.000630	0.00400	0.000630	mg/L	04.22.2019 19:41	U	1
o-Xylene	95-47-6	<0.000642	0.00200	0.000642	mg/L	04.22.2019 19:41	U	1
Total Xylenes	1330-20-7	<0.000630	0.00200	0.000630	mg/L	04.22.2019 19:41	U	1
Total BTEX		<0.000367	0.00200	0.000367	mg/L	04.22.2019 19:41	U	1

Surrogate	% Recovery	Limits	Units	Analysis Date	Flag
1,4-Difluorobenzene	107	70 - 130	%		
4-Bromofluorobenzene	104	70 - 130	%		

Certificate of Analytical Results
621481
ARCADIS, Midland, TX
Eunice Project-N. Eunice

Sample Id: **MW012M** Matrix: Water Sample Depth:

Lab Sample Id: 621481-009 Date Collected: 04.17.2019 12:18 Date Received: 04.17.2019 19:00

Analytical Method: Chloride by EPA 300 Prep Method: E300P

Analyst: CHE % Moist: Tech: CHE

Seq Number: 3086689 Date Prep: 04.23.2019 11:30

Prep seq: 7676336

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Chloride	16887-00-6	**800**	25.0	4.29	mg/L	04.23.2019 18:41		50

Analytical Method: TDS by SM2540C Prep Method:

Analyst: CHE % Moist: Tech: CHE

Seq Number: 3086388 Date Prep:

Prep seq:

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Total Dissolved Solids	1642222	**3130**	5.00	5.00	mg/L	04.19.2019 16:00		1

Analytical Method: Dissolved Metals by SW6020A Prep Method: 3010A

Analyst: DEP % Moist: Tech: DEP

Seq Number: 3086717 Date Prep: 04.23.2019 08:50

Subcontractor: SUB: T104704215-19-29 Prep seq: 7676321

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Arsenic	7440-38-2	**0.0652**	0.00400	0.000246	mg/L	04.24.2019 13:27		1
Chromium	7440-47-3	**0.0306**	0.00400	0.000525	mg/L	04.24.2019 13:27		1
Iron	7439-89-6	**3.94**	0.100	0.0227	mg/L	04.24.2019 16:39		1
Manganese	7439-96-5	**0.0507**	0.00200	0.000199	mg/L	04.24.2019 13:27		1

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

Analyst: SCM % Moist: Tech: SCM

Seq Number: 3086885 Date Prep:

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	04.18.2019 08:01	U	1

Certificate of Analytical Results
621481
ARCADIS, Midland, TX
Eunice Project-N. Eunice

Sample Id: **MW088M** Matrix: Water Sample Depth:

Lab Sample Id: 621481-010 Date Collected: 04.17.2019 12:29 Date Received: 04.17.2019 19:00

Analytical Method: Chloride by EPA 300 Prep Method: E300P

Analyst: CHE % Moist: Tech: CHE

Seq Number: 3086689 Date Prep: 04.23.2019 11:30

Prep seq: 7676336

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Chloride	16887-00-6	**957**	25.0	4.29	mg/L	04.23.2019 18:49		50

Analytical Method: TDS by SM2540C Prep Method:

Analyst: CHE % Moist: Tech: CHE

Seq Number: 3086388 Date Prep:

Prep seq:

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Total Dissolved Solids	1642222	**3690**	5.00	5.00	mg/L	04.19.2019 16:00		1

Analytical Method: Dissolved Metals by SW6020A Prep Method: 3010A

Analyst: DEP % Moist: Tech: DEP

Seq Number: 3086717 Date Prep: 04.23.2019 08:50

Subcontractor: SUB: T104704215-19-29 Prep seq: 7676321

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Arsenic	7440-38-2	**0.0217**	0.00400	0.000246	mg/L	04.24.2019 13:29		1
Chromium	7440-47-3	**0.138**	0.00400	0.000525	mg/L	04.24.2019 13:29		1
Iron	7439-89-6	**1.72**	2.00	0.455	mg/L	04.24.2019 13:59	JD	20
Manganese	7439-96-5	**1.26**	0.0400	0.00397	mg/L	04.24.2019 13:59	D	20

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

Analyst: SCM % Moist: Tech: SCM

Seq Number: 3086885 Date Prep:

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	04.18.2019 08:01	U	1

Certificate of Analytical Results
621481
ARCADIS, Midland, TX
Eunice Project-N. Eunice

Sample Id: **MW087A** Matrix: Water Sample Depth:

Lab Sample Id: 621481-011 Date Collected: 04.17.2019 12:46 Date Received: 04.17.2019 19:00

Analytical Method: Chloride by EPA 300 Prep Method: E300P

Analyst: CHE % Moist: Tech: CHE

Seq Number: 3086689 Date Prep: 04.23.2019 11:30

Prep seq: 7676336

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Chloride	16887-00-6	**1190**	25.0	4.29	mg/L	04.23.2019 19:13		50

Analytical Method: TDS by SM2540C Prep Method:

Analyst: CHE % Moist: Tech: CHE

Seq Number: 3086388 Date Prep:

Prep seq:

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Total Dissolved Solids	1642222	**3840**	5.00	5.00	mg/L	04.19.2019 16:00		1

Analytical Method: Dissolved Metals by SW6020A Prep Method: 3010A

Analyst: DEP % Moist: Tech: DEP

Seq Number: 3086717 Date Prep: 04.23.2019 08:50

Subcontractor: SUB: T104704215-19-29 Prep seq: 7676321

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Arsenic	7440-38-2	**0.00120**	0.00400	0.000246	mg/L	04.24.2019 13:38	J	1
Chromium	7440-47-3	**0.0423**	0.00400	0.000525	mg/L	04.24.2019 13:38		1
Iron	7439-89-6	**3.56**	0.100	0.0227	mg/L	04.24.2019 17:10		1
Manganese	7439-96-5	**0.185**	0.00200	0.000199	mg/L	04.24.2019 13:38		1

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

Analyst: SCM % Moist: Tech: SCM

Seq Number: 3086888 Date Prep:

Prep seq:

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Chromium, Hexavalent	18540-29-9	**0.00490**	0.0100	0.00273	mg/L	04.18.2019 08:55	J	1

Certificate of Analytical Results
621481
ARCADIS, Midland, TX
Eunice Project-N. Eunice

Sample Id: **MW008M** Matrix: Water Sample Depth:

Lab Sample Id: 621481-012 Date Collected: 04.17.2019 12:57 Date Received: 04.17.2019 19:00

Analytical Method: Chloride by EPA 300 Prep Method: E300P

Analyst: CHE % Moist: Tech: CHE

Seq Number: 3086689 Date Prep: 04.23.2019 11:30

Prep seq: 7676336

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Chloride	16887-00-6	**1350**	25.0	4.29	mg/L	04.23.2019 19:20		50

Analytical Method: TDS by SM2540C Prep Method:

Analyst: CHE % Moist: Tech: CHE

Seq Number: 3086388 Date Prep:

Prep seq:

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Total Dissolved Solids	1642222	**5040**	5.00	5.00	mg/L	04.19.2019 16:00		1

Analytical Method: Dissolved Metals by SW6020A Prep Method: 3010A

Analyst: DEP % Moist: Tech: DEP

Seq Number: 3086717 Date Prep: 04.23.2019 08:50

Subcontractor: SUB: T104704215-19-29 Prep seq: 7676321

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Arsenic	7440-38-2	**0.00329**	0.00400	0.000246	mg/L	04.24.2019 13:41	J	1
Chromium	7440-47-3	**0.00710**	0.00400	0.000525	mg/L	04.24.2019 13:41		1
Iron	7439-89-6	**35.9**	2.00	0.455	mg/L	04.24.2019 14:02	D	20
Manganese	7439-96-5	**2.95**	0.0400	0.00397	mg/L	04.24.2019 14:02	D	20

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

Analyst: SCM % Moist: Tech: SCM

Seq Number: 3086888 Date Prep:

Prep seq:

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Chromium, Hexavalent	18540-29-9	**0.00430**	0.0100	0.00273	mg/L	04.18.2019 08:55	J	1

Certificate of Analytical Results
621481
ARCADIS, Midland, TX
Eunice Project-N. Eunice

Sample Id: **MW011A** Matrix: Water Sample Depth:

Lab Sample Id: 621481-013 Date Collected: 04.17.2019 13:13 Date Received: 04.17.2019 19:00

Analytical Method: Chloride by EPA 300 Prep Method: E300P

Analyst: CHE % Moist: Tech: CHE

Seq Number: 3086689 Date Prep: 04.23.2019 11:30

Prep seq: 7676336

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Chloride	16887-00-6	**511**	10.0	1.72	mg/L	04.23.2019 19:27		20

Analytical Method: TDS by SM2540C Prep Method:

Analyst: CHE % Moist: Tech: CHE

Seq Number: 3086388 Date Prep:

Prep seq:

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Total Dissolved Solids	1642222	**1930**	5.00	5.00	mg/L	04.19.2019 16:00		1

Analytical Method: Dissolved Metals by SW6020A Prep Method: 3010A

Analyst: DEP % Moist: Tech: DEP

Seq Number: 3086717 Date Prep: 04.23.2019 08:50

Subcontractor: SUB: T104704215-19-29 Prep seq: 7676321

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Arsenic	7440-38-2	**0.0144**	0.00400	0.000246	mg/L	04.24.2019 13:50		1
Chromium	7440-47-3	**0.159**	0.00400	0.000525	mg/L	04.24.2019 13:50		1
Iron	7439-89-6	<0.0227	0.100	0.0227	mg/L	04.24.2019 13:50	U	1
Manganese	7439-96-5	**0.182**	0.00200	0.000199	mg/L	04.24.2019 13:50		1

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

Analyst: SCM % Moist: Tech: SCM

Seq Number: 3086888 Date Prep:

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	04.18.2019 08:55	U	1

Certificate of Analytical Results
621481
ARCADIS, Midland, TX
Eunice Project-N. Eunice

Sample Id: **MW056SA** Matrix: Water Sample Depth:

Lab Sample Id: 621481-014 Date Collected: 04.17.2019 13:34 Date Received: 04.17.2019 19:00

Analytical Method: Chloride by EPA 300 Prep Method: E300P

Analyst: CHE % Moist: Tech: CHE

Seq Number: 3086689 Date Prep: 04.23.2019 11:30

Prep seq: 7676336

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Chloride	16887-00-6	**1120**	25.0	4.29	mg/L	04.23.2019 19:34		50

Analytical Method: TDS by SM2540C Prep Method:

Analyst: CHE % Moist: Tech: CHE

Seq Number: 3086388 Date Prep:

Prep seq:

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Total Dissolved Solids	1642222	**3650**	5.00	5.00	mg/L	04.19.2019 16:00		1

Analytical Method: Dissolved Metals by SW6020A Prep Method: 3010A

Analyst: DEP % Moist: Tech: DEP

Seq Number: 3086717 Date Prep: 04.23.2019 08:50

Subcontractor: SUB: T104704215-19-29 Prep seq: 7676321

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Arsenic	7440-38-2	**0.0137**	0.00800	0.000492	mg/L	04.24.2019 17:13	D	2
Chromium	7440-47-3	**0.382**	0.00800	0.00105	mg/L	04.24.2019 17:13	D	2
Iron	7439-89-6	<0.0455	0.200	0.0455	mg/L	04.24.2019 17:13	UD	2
Manganese	7439-96-5	**0.000420**	0.00400	0.000397	mg/L	04.24.2019 17:13	JD	2

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

Analyst: SCM % Moist: Tech: SCM

Seq Number: 3086888 Date Prep:

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	04.18.2019 08:55	U	1

Certificate of Analytical Results
621481
ARCADIS, Midland, TX
Eunice Project-N. Eunice

Sample Id: **DUP05** Matrix: Water Sample Depth:

Lab Sample Id: 621481-015 Date Collected: 04.17.2019 00:00 Date Received: 04.17.2019 19:00

Analytical Method: Chloride by EPA 300 Prep Method: E300P

Analyst: CHE % Moist: Tech: CHE

Seq Number: 3086689 Date Prep: 04.23.2019 11:30

Prep seq: 7676336

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Chloride	16887-00-6	**77.3**	5.00	0.858	mg/L	04.23.2019 19:42		10

Analytical Method: TDS by SM2540C Prep Method:

Analyst: CHE % Moist: Tech: CHE

Seq Number: 3086388 Date Prep:

Prep seq:

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Total Dissolved Solids	1642222	**1400**	5.00	5.00	mg/L	04.19.2019 16:00		1

Analytical Method: Dissolved Metals by SW6020A Prep Method: 3010A

Analyst: DEP % Moist: Tech: DEP

Seq Number: 3086717 Date Prep: 04.23.2019 08:50

Subcontractor: SUB: T104704215-19-29 Prep seq: 7676321

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Arsenic	7440-38-2	**0.00221**	0.00400	0.000246	mg/L	04.24.2019 13:56	J	1
Chromium	7440-47-3	**0.0111**	0.00400	0.000525	mg/L	04.24.2019 13:56		1
Iron	7439-89-6	**0.0544**	0.100	0.0227	mg/L	04.24.2019 13:56	J	1
Manganese	7439-96-5	**0.0736**	0.00200	0.000199	mg/L	04.24.2019 13:56		1

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

Analyst: SCM % Moist: Tech: SCM

Seq Number: 3086888 Date Prep:

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	04.18.2019 08:55	UK	1

Certificate of Analytical Results
621481
ARCADIS, Midland, TX
Eunice Project-N. Eunice

Sample Id: **DUP05** Matrix: Water Sample Depth:

Lab Sample Id: 621481-015 Date Collected: 04.17.2019 00:00 Date Received: 04.17.2019 19:00

Analytical Method: TPH By SW8015 Mod Prep Method: 1005

Analyst: ARM % Moist: Tech: ARM

Seq Number: 3086492 Date Prep: 04.21.2019 08:00

Prep seq: 7676242

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Gasoline Range Hydrocarbons	PHC610	<0.986	1.50	0.986	mg/L	04.21.2019 11:27	U	1
Diesel Range Organics	C10C28DRO	<0.911	1.50	0.911	mg/L	04.21.2019 11:27	U	1
Oil Range Hydrocarbons	PHCG2835	<0.911	1.50	0.911	mg/L	04.21.2019 11:27	U	1
Total TPH	PHC635	<0.911	1.50	0.911	mg/L	04.21.2019 11:27	U	1

Surrogate	% Recovery	Limits	Units	Analysis Date	Flag
1-Chlorooctane	99	70 - 135	%		
o-Terphenyl	100	70 - 135	%		

Analytical Method: BTEX by EPA 8021B Prep Method: 5030B

Analyst: SCM % Moist: Tech: SCM

Seq Number: 3086556 Date Prep: 04.22.2019 14:45

Prep seq: 7676301

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Benzene	71-43-2	<0.000408	0.00200	0.000408	mg/L	04.22.2019 20:40	U	1
Toluene	108-88-3	<0.000367	0.00200	0.000367	mg/L	04.22.2019 20:40	U	1
Ethylbenzene	100-41-4	<0.000657	0.00200	0.000657	mg/L	04.22.2019 20:40	U	1
m,p-Xylenes	179601-23-1	<0.000630	0.00400	0.000630	mg/L	04.22.2019 20:40	U	1
o-Xylene	95-47-6	<0.000642	0.00200	0.000642	mg/L	04.22.2019 20:40	U	1
Total Xylenes	1330-20-7	<0.000630	0.00200	0.000630	mg/L	04.22.2019 20:40	U	1
Total BTEX		<0.000367	0.00200	0.000367	mg/L	04.22.2019 20:40	U	1

Surrogate	% Recovery	Limits	Units	Analysis Date	Flag
1,4-Difluorobenzene	106	70 - 130	%		
4-Bromofluorobenzene	98	70 - 130	%		

Certificate of Analytical Results
621481
ARCADIS, Midland, TX
Eunice Project-N. Eunice

Sample Id: **3086388-1-BLK** Matrix: Water Sample Depth:
Lab Sample Id: 3086388-1-BLK Date Collected: Date Received:
Analytical Method: TDS by SM2540C Prep Method:
Analyst: CHE % Moist: Tech: CHE
Seq Number: 3086388 Date Prep:
Prep seq:

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Total Dissolved Solids	1642222	**18.5**	5.00	5.00	mg/L	04.19.2019 16:00	B	1

Sample Id: **3086885-1-BLK** Matrix: Water Sample Depth:
Lab Sample Id: 3086885-1-BLK Date Collected: Date Received:
Analytical Method: Chromium, Hexavalent by SW 7196A Prep Method:
Analyst: SCM % Moist: Tech: SCM
Seq Number: 3086885 Date Prep:
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	04.18.2019 08:01	U	1

Sample Id: **3086888-1-BLK** Matrix: Water Sample Depth:
Lab Sample Id: 3086888-1-BLK Date Collected: Date Received:
Analytical Method: Chromium, Hexavalent by SW 7196A Prep Method:
Analyst: SCM % Moist: Tech: SCM
Seq Number: 3086888 Date Prep:
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	04.18.2019 08:55	U	1

Certificate of Analytical Results
621481
ARCADIS, Midland, TX
Eunice Project-N. Eunice

Sample Id: **7676242-1-BLK** Matrix: Water Sample Depth:

Lab Sample Id: 7676242-1-BLK Date Collected: Date Received:

Analytical Method: TPH By SW8015 Mod Prep Method: 1005

Analyst: ARM % Moist: Tech: ARM

Seq Number: 3086492 Date Prep: 04.21.2019 08:00

Prep seq: 7676242

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Gasoline Range Hydrocarbons	PHC610	<0.986	1.50	0.986	mg/L	04.21.2019 08:51	U	1
Diesel Range Organics	C10C28DRO	<0.911	1.50	0.911	mg/L	04.21.2019 08:51	U	1
Oil Range Hydrocarbons	PHCG2835	<0.911	1.50	0.911	mg/L	04.21.2019 08:51	U	1
Total TPH	PHC635	<0.911	1.50	0.911	mg/L	04.21.2019 08:51	U	1

Surrogate	% Recovery	Limits	Units	Analysis Date	Flag
1-Chlorooctane	100	70 - 135	%		
o-Terphenyl	101	70 - 135	%		

Sample Id: **7676301-1-BLK** Matrix: Water Sample Depth:

Lab Sample Id: 7676301-1-BLK Date Collected: Date Received:

Analytical Method: BTEX by EPA 8021B Prep Method: 5030B

Analyst: SCM % Moist: Tech: SCM

Seq Number: 3086556 Date Prep: 04.22.2019 14:45

Prep seq: 7676301

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Benzene	71-43-2	<0.000408	0.00200	0.000408	mg/L	04.22.2019 18:04	U	1
Toluene	108-88-3	<0.000367	0.00200	0.000367	mg/L	04.22.2019 18:04	U	1
Ethylbenzene	100-41-4	<0.000657	0.00200	0.000657	mg/L	04.22.2019 18:04	U	1
m,p-Xylenes	179601-23-1	<0.000630	0.00400	0.000630	mg/L	04.22.2019 18:04	U	1
o-Xylene	95-47-6	<0.000642	0.00200	0.000642	mg/L	04.22.2019 18:04	U	1
Total Xylenes	1330-20-7	<0.000630	0.00200	0.000630	mg/L	04.22.2019 18:04	U	1
Total BTEX		<0.000367	0.00200	0.000367	mg/L	04.22.2019 18:04	U	1

Surrogate	% Recovery	Limits	Units	Analysis Date	Flag
1,4-Difluorobenzene	105	70 - 130	%		
4-Bromofluorobenzene	101	70 - 130	%		

Certificate of Analytical Results
621481
ARCADIS, Midland, TX
Eunice Project-N. Eunice

Sample Id: **7676321-1-BLK** Matrix: Water Sample Depth:

Lab Sample Id: 7676321-1-BLK Date Collected: Date Received:

Analytical Method: Dissolved Metals by SW6020A Prep Method: 3010A

Analyst: DEP % Moist: Tech: DEP

Seq Number: 3086717 Date Prep: 04.23.2019 08:50

Subcontractor: SUB: T104704215-19-29 Prep seq: 7676321

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Arsenic	7440-38-2	<0.000246	0.00400	0.000246	mg/L	04.24.2019 12:17	U	1
Chromium	7440-47-3	<0.000525	0.00400	0.000525	mg/L	04.24.2019 12:17	U	1
Iron	7439-89-6	<0.0227	0.100	0.0227	mg/L	04.24.2019 12:17	U	1
Manganese	7439-96-5	<0.000199	0.00200	0.000199	mg/L	04.24.2019 12:17	U	1

Sample Id: **7676336-1-BLK** Matrix: Water Sample Depth:

Lab Sample Id: 7676336-1-BLK Date Collected: Date Received:

Analytical Method: Chloride by EPA 300 Prep Method: E300P

Analyst: CHE % Moist: Tech: CHE

Seq Number: 3086689 Date Prep: 04.23.2019 11:30

Prep seq: 7676336

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Chloride	16887-00-6	<0.0858	0.500	0.0858	mg/L	04.23.2019 15:46	U	1

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.

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

Work Orders : 621481 **Project ID:**

Lab Batch #: 3086556 **Sample:** 7676301-1-BKS / BKS **Batch:** 1 **Matrix:** Water

Units: mg/L **Date Analyzed:** 04.22.2019 16:30 **SURROGATE RECOVERY STUDY**

BTEX by EPA 8021B Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1,4-Difluorobenzene	0.0288	0.0300	96	70-130	
4-Bromofluorobenzene	0.0309	0.0300	103	70-130	

Lab Batch #: 3086556 **Sample:** 7676301-1-BSD / BSD **Batch:** 1 **Matrix:** Water

Units: mg/L **Date Analyzed:** 04.22.2019 16:49 **SURROGATE RECOVERY STUDY**

BTEX by EPA 8021B Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1,4-Difluorobenzene	0.0294	0.0300	98	70-130	
4-Bromofluorobenzene	0.0304	0.0300	101	70-130	

Lab Batch #: 3086556 **Sample:** 621481-008 S / MS **Batch:** 1 **Matrix:** Water

Units: mg/L **Date Analyzed:** 04.22.2019 17:09 **SURROGATE RECOVERY STUDY**

BTEX by EPA 8021B Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1,4-Difluorobenzene	0.0289	0.0300	96	70-130	
4-Bromofluorobenzene	0.0305	0.0300	102	70-130	

Lab Batch #: 3086556 **Sample:** 621481-008 SD / MSD **Batch:** 1 **Matrix:** Water

Units: mg/L **Date Analyzed:** 04.22.2019 17:28 **SURROGATE RECOVERY STUDY**

BTEX by EPA 8021B Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1,4-Difluorobenzene	0.0291	0.0300	97	70-130	
4-Bromofluorobenzene	0.0294	0.0300	98	70-130	

Lab Batch #: 3086556 **Sample:** 7676301-1-BLK / BLK **Batch:** 1 **Matrix:** Water

Units: mg/L **Date Analyzed:** 04.22.2019 18:04 **SURROGATE RECOVERY STUDY**

BTEX by EPA 8021B Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1,4-Difluorobenzene	0.0315	0.0300	105	70-130	
4-Bromofluorobenzene	0.0303	0.0300	101	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.

Form 2 - Surrogate Recoveries

Project Name: Eunice Project-N. Eunice

Work Orders : 621481 **Project ID:**

Lab Batch #: 3086492 **Sample:** 7676242-1-BLK / BLK **Batch:** 1 **Matrix:** Water

Units: mg/L **Date Analyzed:** 04.21.2019 08:51 **SURROGATE RECOVERY STUDY**

TPH By SW8015 Mod Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1-Chlorooctane	9.95	9.98	100	70-135	
o-Terphenyl	5.05	4.99	101	70-135	

Lab Batch #: 3086492 **Sample:** 7676242-1-BKS / BKS **Batch:** 1 **Matrix:** Water

Units: mg/L **Date Analyzed:** 04.21.2019 09:10 **SURROGATE RECOVERY STUDY**

TPH By SW8015 Mod Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1-Chlorooctane	11.9	9.99	119	70-135	
o-Terphenyl	5.90	5.00	118	70-135	

Lab Batch #: 3086492 **Sample:** 7676242-1-BSD / BSD **Batch:** 1 **Matrix:** Water

Units: mg/L **Date Analyzed:** 04.21.2019 09:30 **SURROGATE RECOVERY STUDY**

TPH By SW8015 Mod Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1-Chlorooctane	11.9	9.98	119	70-135	
o-Terphenyl	5.05	4.99	101	70-135	

Lab Batch #: 3086492 **Sample:** 621481-005 S / MS **Batch:** 1 **Matrix:** Water

Units: mg/L **Date Analyzed:** 04.21.2019 10:09 **SURROGATE RECOVERY STUDY**

TPH By SW8015 Mod Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1-Chlorooctane	11.6	9.98	116	70-135	
o-Terphenyl	5.31	4.99	106	70-135	

Lab Batch #: 3086492 **Sample:** 621481-005 SD / MSD **Batch:** 1 **Matrix:** Water

Units: mg/L **Date Analyzed:** 04.21.2019 10:29 **SURROGATE RECOVERY STUDY**

TPH By SW8015 Mod Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1-Chlorooctane	11.6	9.99	116	70-135	
o-Terphenyl	6.15	4.99	123	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 #: 621481 **Project ID:**

Analyst: SCM **Date Prepared:** 04.22.2019 **Date Analyzed:** 04.22.2019

Lab Batch ID: 3086556 **Sample:** 7676301-1-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	0.0944	94	0.100	0.0947	95	0	70-130	25	
Toluene	<0.000367	0.100	0.0954	95	0.100	0.0936	94	2	70-130	25	
Ethylbenzene	<0.000657	0.100	0.101	101	0.100	0.0982	98	3	70-130	25	
m,p-Xylenes	<0.000630	0.200	0.200	100	0.200	0.194	97	3	70-130	25	
o-Xylene	<0.000642	0.100	0.101	101	0.100	0.0986	99	2	70-130	25	

Analyst: CHE **Date Prepared:** 04.23.2019 **Date Analyzed:** 04.23.2019

Lab Batch ID: 3086689 **Sample:** 7676336-1-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	<0.0858	25.0	24.1	96	25.0	24.6	98	2	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

BS / BSD Recoveries

Project Name: Eunice Project-N. Eunice

Work Order #: 621481 **Project ID:**

Analyst: SCM **Date Prepared:** 04.18.2019 **Date Analyzed:** 04.18.2019

Lab Batch ID: 3086885 **Sample:** 3086885-1-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	0.0388	97	0.0400	0.0402	101	4	85-115	20	

Analyst: SCM **Date Prepared:** 04.18.2019 **Date Analyzed:** 04.18.2019

Lab Batch ID: 3086888 **Sample:** 3086888-1-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	0.0379	95	0.0400	0.0385	96	2	85-115	20	

Analyst: DEP **Date Prepared:** 04.23.2019 **Date Analyzed:** 04.24.2019

Lab Batch ID: 3086717 **Sample:** 7676321-1-BKS **Batch #:** 1 **Matrix:** Water

Units: mg/L

BLANK /BLANK SPIKE / BLANK SPIKE DUPLICATE RECOVERY STUDY

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	0.0945	95	0.100	0.0963	96	2	80-120	20	
Chromium	<0.000525	0.100	0.0958	96	0.100	0.0968	97	1	80-120	20	
Iron	<0.0227	0.500	0.465	93	0.500	0.469	94	1	80-120	20	
Manganese	<0.000199	0.100	0.0952	95	0.100	0.0954	95	0	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

BS / BSD Recoveries

Project Name: Eunice Project-N. Eunice

Work Order #: 621481 **Project ID:**

Analyst: CHE **Date Prepared:** 04.19.2019 **Date Analyzed:** 04.19.2019

Lab Batch ID: 3086388 **Sample:** 3086388-1-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	18.5	1000	990	99	1000	992	99	0	80-120	10	

Analyst: ARM **Date Prepared:** 04.21.2019 **Date Analyzed:** 04.21.2019

Lab Batch ID: 3086492 **Sample:** 7676242-1-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	<0.987	99.9	92.1	92	99.8	93.7	94	2	70-135	20	
Diesel Range Organics	<0.911	99.9	93.1	93	99.8	95.9	96	3	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

Form 3 - MS / MSD Recoveries

Project Name: Eunice Project-N. Eunice

Work Order # : 621481 **Project ID:**

Lab Batch ID: 3086556 **QC- Sample ID:** 621481-008 S **Batch #:** 1 **Matrix:** Water

Date Analyzed: 04.22.2019 **Date Prepared:** 04.22.2019 **Analyst:** SCM

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	0.0913	91	0.100	0.0953	95	4	70-130	25	
Toluene	<0.000367	0.100	0.0917	92	0.100	0.0936	94	2	70-130	25	
Ethylbenzene	<0.000657	0.100	0.0971	97	0.100	0.0985	99	1	70-130	25	
m,p-Xylenes	<0.000630	0.200	0.192	96	0.200	0.191	96	1	70-130	25	
o-Xylene	<0.000642	0.100	0.0971	97	0.100	0.0966	97	1	70-130	25	

Lab Batch ID: 3086689 **QC- Sample ID:** 621880-001 S **Batch #:** 1 **Matrix:** Drinking Water

Date Analyzed: 04.23.2019 **Date Prepared:** 04.23.2019 **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	6.93	25.0	32.5	102	25.0	32.0	100	2	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.

Form 3 - MS / MSD Recoveries

Project Name: Eunice Project-N. Eunice

Work Order # : 621481 **Project ID:**

Lab Batch ID: 3086689 **QC- Sample ID:** 621881-001 S **Batch #:** 1 **Matrix:** Drinking Water

Date Analyzed: 04.23.2019 **Date Prepared:** 04.23.2019 **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	13.8	25.0	39.1	101	25.0	38.9	100	1	90-110	20	

Lab Batch ID: 3086885 **QC- Sample ID:** 621481-005 S **Batch #:** 1 **Matrix:** Water

Date Analyzed: 04.18.2019 **Date Prepared:** 04.18.2019 **Analyst:** SCM

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	0.187	94	0.200	0.188	94	1	75-125	20	

Lab Batch ID: 3086888 **QC- Sample ID:** 621481-015 S **Batch #:** 1 **Matrix:** Water

Date Analyzed: 04.18.2019 **Date Prepared:** 04.18.2019 **Analyst:** SCM

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	0.180	90	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.

Form 3 - MS / MSD Recoveries

Project Name: Eunice Project-N. Eunice

Work Order # : 621481 **Project ID:**

Lab Batch ID: 3086717 **QC- Sample ID:** 621481-001 S **Batch #:** 1 **Matrix:** Water

Date Analyzed: 04.24.2019 **Date Prepared:** 04.23.2019 **Analyst:** DEP

Reporting Units: mg/L

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY STUDY

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	0.00960	0.100	0.107	97	0.100	0.107	97	0	75-125	20	
Chromium	0.265	0.100	0.345	80	0.100	0.340	75	1	75-125	20	
Iron	<0.0227	0.500	0.474	95	0.500	0.467	93	1	75-125	20	
Manganese	0.000728	0.100	0.0945	94	0.100	0.0928	92	2	75-125	20	

Lab Batch ID: 3086492 **QC- Sample ID:** 621481-005 S **Batch #:** 1 **Matrix:** Water

Date Analyzed: 04.21.2019 **Date Prepared:** 04.21.2019 **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	<0.986	99.8	92.7	93	99.9	91.9	92	1	70-135	20	
Diesel Range Organics	<0.911	99.8	96.4	97	99.9	94.0	94	3	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

Project Name: Eunice Project-N. Eunice

Work Order #: 621481

Lab Batch #: 3086388 **Project ID:**

Date Analyzed: 04.19.2019 16:00 **Date Prepared:** 04.19.2019 **Analyst:** CHE

QC- Sample ID: 621300-014 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	2140	2150	0	10	

Lab Batch #: 3086388

Date Analyzed: 04.19.2019 16:00 **Date Prepared:** 04.19.2019 **Analyst:** CHE

QC- Sample ID: 621481-010 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	3690	3720	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: 602491

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:	Brett Krehbiel	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:	916-786-5382	Email:	brett.krehbiel@arcadis.com

Work Order Comments

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

Project Name:	Eunice Project-N. Eunice	Turn Around	
Project Number:		Routine ☒	
P.O. Number:		Rush:	
Sampler's Name:	Chas Holder	Due Date:	

SAMPLE RECEIPT		Temp Blank:	Yes No	Wet Ice:	Yes No
Temperature (°C):		Thermometer ID			
Received Intact:	Yes No				
Cooler Custody Seals:	Yes No N/A	Correction Factor:			
Sample Custody Seals:	Yes No N/A	Total Containers:			

ANALYSIS REQUEST

Sample Identification	Matrix	Date Sampled	Time Sampled	Depth	Number of Containers	BTEX (SW8021)	TPH (SW8015)	Hex Chrome (SW7196A)	Dissolved Metals (SW6020_DIS): Aresenic, Maganese, Iron & Chromium	TDS (SW2540)	Chlorides (E300)
~~MW040A~~ MW090SA	W	4-17	0746		3			✓	✓	✓	✓
MW089SA	W	4-17	0800		3			✓	✓	✓	✓
MW007A	W	4-17	0816		3			✓	✓	✓	✓
MW047	W	4-17	0832		3			✓	✓	✓	✓
MW001	W	4-17	0853		8	✓	✓	✓	✓	✓	✓
MW002A	W	4-17	0922		3	✓		✓	✓	✓	✓
MW046A	W	4-17	0950		8	✓	✓	✓	✓	✓	✓
MW045	W	4-17	1008		8	✓	✓	✓	✓	✓	✓
MW012M	W	4-17	1218		3			✓	✓	✓	✓
MW088M	W	4-17	1229		3			✓	✓	✓	✓

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	Winston	4/17/19 16:48	4		
3			6		
5					

Revised Date 051418 Rev. 2018.1

Received by OCD: 3/25/2020 3:45:40 PM
Final 1.004
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Released to Imaging: 6/14/2022 10:44:20 AM

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Chain of Custody

Work Order No: 621481

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:	Brett Krehbiel	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:	916-786-5382	Email:	brett.krehbiel@arcadis.com

Work Order Comments

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

Project Name:	Eunice Project-N. Eunice	Turn Around	
Project Number:		Routine	☒
P.O. Number:		Rush:	
Sampler's Name:	Chas Holder	Due Date:	

SAMPLE RECEIPT	Temp Blank:	Yes No	Wet Ice:	Yes No
Temperature (°C):		Thermometer ID		
Received Intact:	Yes No			
Cooler Custody Seals:	Yes No N/A	Correction Factor:		
Sample Custody Seals:	Yes No N/A	Total Containers:		

Sample Identification	Matrix	Date Sampled	Time Sampled	Depth	Number of Containers	BTEX (SW8021)	TPH (SW8015)	Hex Chrome (SW7196A)	Dissolved Metals (SW6020_DIS): Arsenic, Maganese, Iron & Chromium	TDS (SW2540)	Chlorides (E300)
MW087A	W	4-17	1246		3			✓	✓	✓	✓
MW008m	W	4-17	1257					✓	✓	✓	✓
MW011A	W	4-17	1313					✓	✓	✓	✓
MW057SA	W	4-17	1334					✓	✓	✓	✓
Dup 05	W	4-17	—		8	✓	✓	✓	✓	✓	✓

Work Order Notes

TAT starts the day received 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	Winston Nee	4/7/19 16:45	2		4/7/19 18:00
3			4		
5			6		

Revised Date 051418 Rev. 2018.1

Received by OCD: 3/25/2020 3:45:40 PM
Released to Imaging: 6/14/2022 10:44:20 AM
Final 1.004
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Inter-Office Shipment

IOS Number : 37429

Date/Time:	04.19.2019 11:45	Created by:	Brianna Teel	Please send report to:	John Builes
Lab# From:	**Midland**	Delivery Priority:	Fedex	Address:	1211 W. Florida Ave
Lab# To:	**Houston**	Air Bill No.:	775011008164	E-Mail:	john.builes@xenco.com

Sample Id	Matrix	Client Sample Id	Sample Collection	Method	Method Name	Lab Due	HT Due	PM	Analytes	Sign
621481-001	W	MW090SA	04.17.2019 07:46	SW6020_DIS	Dissolved Metals by SW6020A	04.23.2019	10.14.2019	JHB	AS CR FE MN	
621481-002	W	MW089SA	04.17.2019 08:00	SW6020_DIS	Dissolved Metals by SW6020A	04.23.2019	10.14.2019	JHB	AS CR FE MN	
621481-003	W	MW007A	04.17.2019 08:16	SW6020_DIS	Dissolved Metals by SW6020A	04.23.2019	10.14.2019	JHB	AS CR FE MN	
621481-004	W	MW047	04.17.2019 08:32	SW6020_DIS	Dissolved Metals by SW6020A	04.23.2019	10.14.2019	JHB	AS CR FE MN	
621481-005	W	MW001	04.17.2019 08:53	SW6020_DIS	Dissolved Metals by SW6020A	04.23.2019	10.14.2019	JHB	AS CR FE MN	
621481-006	W	MW002A	04.17.2019 09:22	SW6020_DIS	Dissolved Metals by SW6020A	04.23.2019	10.14.2019	JHB	AS CR FE MN	
621481-007	W	MW046A	04.17.2019 09:50	SW6020_DIS	Dissolved Metals by SW6020A	04.23.2019	10.14.2019	JHB	AS CR FE MN	
621481-008	W	MW045	04.17.2019 10:08	SW6020_DIS	Dissolved Metals by SW6020A	04.23.2019	10.14.2019	JHB	AS CR FE MN	
621481-009	W	MW12M	04.17.2019 12:18	SW6020_DIS	Dissolved Metals by SW6020A	04.23.2019	10.14.2019	JHB	AS CR FE MN	
621481-010	W	MW88M	04.17.2019 12:29	SW6020_DIS	Dissolved Metals by SW6020A	04.23.2019	10.14.2019	JHB	AS CR FE MN	
621481-011	W	MW087A	04.17.2019 12:46	SW6020_DIS	Dissolved Metals by SW6020A	04.23.2019	10.14.2019	JHB	AS CR FE MN	
621481-012	W	MW008M	04.17.2019 12:57	SW6020_DIS	Dissolved Metals by SW6020A	04.23.2019	10.14.2019	JHB	AS CR FE MN	
621481-013	W	MW011A	04.17.2019 13:13	SW6020_DIS	Dissolved Metals by SW6020A	04.23.2019	10.14.2019	JHB	AS CR FE MN	
621481-014	W	MW056SA	04.17.2019 13:34	SW6020_DIS	Dissolved Metals by SW6020A	04.23.2019	10.14.2019	JHB	AS CR FE MN	
621481-015	W	DUP 05	04.17.2019 00:00	SW6020_DIS	Dissolved Metals by SW6020A	04.23.2019	10.14.2019	JHB	AS CR FE MN	

Inter Office Shipment or Sample Comments:

Relinquished By: Brianna Teel

Brianna Teel

Date Relinquished: 04.19.2019

Received By: Travis Simmons

Travis Simmons

Date Received: 04.19.2019 09:40

Cooler Temperature: 2.2

XENCO Laboratories

Inter Office Report- Sample Receipt Checklist

Sent To: Houston

IOS #: 37429

Acceptable Temperature Range: 0 - 6 degC
Air and Metal samples Acceptable Range: Ambient
Temperature Measuring device used : HOU-068

Sent By: Brianna Teel **Date Sent:** 04/19/2019 11:45 AM

Received By: Travis Simmons **Date Received:** 04/19/2019 09:40 AM

Sample Receipt Checklist		Comments
#1 *Temperature of cooler(s)?	2.2	
#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: Travis Simmons Date: 04/19/2019

Travis Simmons

XENCO Laboratories

Prelogin/Nonconformance Report- Sample Log-In

Client: ARCADIS

Date/ Time Received: 04/17/2019 07:00:00 PM

Work Order #: 621481

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

Temperature Measuring device used : R8

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?	**Yes**	

*** Must be completed for after-hours delivery of samples prior to placing in the refrigerator**

Analyst: BT

PH Device/Lot#: A023690

Checklist completed by: Katie Lowe Date: 04/17/2019

Checklist reviewed by: John Builes Date: 04/20/2019

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ARCADIS

ID#:

CHAIN OF CUSTODY & LABORATORY ANALYSIS REQUEST FORM

Page 1 of 1

Lab Work Order # 598697

Send Results to:

Contact & Company Name: Brett Krehbiel Arcadis
Telephone: 916-786-0320
Address: 101 Creekside Ridge Court, Suite 200
Fax: 916-786-0366
City: Roseville State: CA Zip: 95678
E-mail Address: brett.krehbiel@arcadis.com
Project Name/Location (City, State): Chevron N. Eunice
Project #: B0048789.0004
Sampler's Printed Name: Jerry S. Longwell
Sampler's Signature:

Preservative	B	B	C	E	E			
Filtered (✓)			✓	✓				
# of Containers	21	14	14	14	14			
Container Information	1	1	3	4	4			

PARAMETER ANALYSIS & METHOD

Sample ID	Collection Date	Collection Time	Type (✓) Comp	Type (✓) Grab	Matrix	BTEX 8021B	TPH GRO & DRO 8015B	Dissolved As, Mn, Fe, Cr 6010B	Dissolved Hex Chromium 7196	Chloride & TDS			REMARKS
MW001-W-180911	09/11/18	1150		X	W	3	2	1	1	1			
MW046A-W-180911	09/11/18	1220		X	W	3	2	1	1	1			
MW045-W-180911	09/11/18	1226		X	W	3	2	1	1	1			
MW037-W-180911	09/11/18	1248		X	W	3	2	1	1	1			
MW043-W-180911	09/11/18	1346		X	W	3	2	1	1	1			
TW019-W-180911	09/11/18	1317		X	W	3	2	1	1	1			
MW100-W-180911 DUP	09/11/18	1347		X	W	3	2	1	1	1			
MW076SA-W-180911 DUP		1402		X	W	—	—	1	1	1			
MW075SA-W-180911		1412		X	W	—	—	1	1	1			
MW034SA-W-180911		1423		X	W	—	—	1	1	1			
MW085SA-W-180911		1432		X	W	—	—	1	1	1			
MW086SA-W-180911 DUP		1447		X	W	—	—	1	1	1			
DUP03-W-180911	09/11/18	—		X	W	3	2	1	1	1			
DUP07-W-180911	09/11/18	—		X	W	—	—	1	1	1			

Keys

Preservation Key:
A. H_2SO_4
B. HCL
C. HNO_3
D. NaOH
E. None
F. Other: _____
G. Other: _____
H. Other: _____

Container Information Key:
1. 40 ml Vial
2. 1 L Amber
3. 250 ml Plastic
4. 500 ml Plastic
5. Encore
6. 2 oz. Glass
7. 4 oz. Glass
8. 8 oz. Glass
9. Other: _____
10. Other: _____

Matrix Key:
SO - Soil
W - Water
T - Tissue
SE - Sediment
SL - Sludge
A - Air
NL - NAPL/Oil
SW - Sample Wipe
Other: _____

Special Instructions/Comments:

☐ Special QA/QC Instructions(✓):

Laboratory Information and Receipt

Lab Name: Xenco
☑ Cooler packed with ice (✓)
Cooler Custody Seal (✓) ☐ Intact ☐ Not Intact
Specify Turnaround Requirements: Standard TAT
Shipping Tracking #:
Sample Receipt: Condition/Cooler Temp: 0.3/0.0 NB

Relinquished By	Received By	Relinquished By	Laboratory Received By
Printed Name: Jerry S. Longwell	Printed Name: Winston Wood	Printed Name: Winston Wood	Printed Name: Julian Martinez
Signature:	Signature:	Signature:	Signature:
Firm: Arcadis	Firm/Courier: Xenco	Firm/Courier: Xenco	Firm: Xenco
Date/Time: 09/11/18 1652	Date/Time: 09/11/18 16:59	Date/Time: 09/11/18	Date/Time: 9-11-18 19:00

20730826 CofC AR Form 08.27.2015

Distribution: WHITE – Laboratory returns with results; YELLOW – Lab copy; PINK – Retained by Arcadis

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Final 1.001
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Released to Imaging: 6/14/2022 10:44:20 AM

Certificate of Analytical Results

598697

ARCADIS, Midland, TX

Chevron N. Eunice

Sample Id: **MW001-W-180911** Matrix: Water Sample Depth:

Lab Sample Id: 598697-001 Date Collected: 09.11.18 11.50 Date Received: 09.11.18 19.00

Analytical Method: TDS by SM2540C Prep Method:

Analyst: OJS % Moist: Tech: OJS

Seq Number: 3063197 Date Prep:

Prep seq:

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Total Dissolved Solids	1642222	**2610**	5.00	5.00	mg/L	09.12.18 17:10		1

Analytical Method: Chloride by EPA 300 Prep Method: E300P

Analyst: SCM % Moist: Tech: SCM

Seq Number: 3063340 Date Prep: 09.12.18 16.15

Prep seq: 7662143

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Chloride	16887-00-6	**275**	10.0	1.72	mg/L	09.12.18 22:18		20

Analytical Method: Dissolved Metals by SW6020A Prep Method: 3010A

Analyst: DEP % Moist: Tech: MLI

Seq Number: 3063327 Date Prep: 09.15.18 11.05

Subcontractor: SUB: T104704215-18-28 Prep seq: 7662348

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Arsenic	7440-38-2	**0.00241**	0.00400	0.000246	mg/L	09.16.18 23:18	J	1
Chromium	7440-47-3	**0.00146**	0.00400	0.000525	mg/L	09.16.18 23:18	J	1
Iron	7439-89-6	<0.0227	0.100	0.0227	mg/L	09.16.18 23:18	U	1
Manganese	7439-96-5	**0.584**	0.00200	0.000199	mg/L	09.16.18 23:18		1

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

Analyst: OJS % Moist: Tech: OJS

Seq Number: 3062935 Date Prep:

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	09.12.18 09:45	U	1

Certificate of Analytical Results

598697

ARCADIS, Midland, TX

Chevron N. Eunice

Sample Id: **MW001-W-180911** Matrix: Water Sample Depth:

Lab Sample Id: 598697-001 Date Collected: 09.11.18 11.50 Date Received: 09.11.18 19.00

Analytical Method: TPH By SW8015 Mod Prep Method: 1005

Analyst: ARM % Moist: Tech: ARM

Seq Number: 3063336 Date Prep: 09.14.18 15.00

Prep seq: 7662365

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Gasoline Range Hydrocarbons	PHC610	<0.986	1.50	0.986	mg/L	09.14.18 23:25	U	1
Diesel Range Organics	C10C28DRO	<0.911	1.50	0.911	mg/L	09.14.18 23:25	U	1
Oil Range Hydrocarbons	PHCG2835	<0.911	1.50	0.911	mg/L	09.14.18 23:25	U	1
Total TPH	PHC635	<0.911	1.50	0.911	mg/L	09.14.18 23:25	U	1

Surrogate	% Recovery	Limits	Units	Analysis Date	Flag
1-Chlorooctane	99	70 - 135	%		
o-Terphenyl	99	70 - 135	%		

Analytical Method: BTEX by EPA 8021B Prep Method: 5030B

Analyst: ALJ % Moist: Tech: ALJ

Seq Number: 3062942 Date Prep: 09.12.18 08.00

Prep seq: 7662127

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Benzene	71-43-2	<0.000408	0.00200	0.000408	mg/L	09.12.18 16:39	U	1
Toluene	108-88-3	<0.000367	0.00200	0.000367	mg/L	09.12.18 16:39	U	1
Ethylbenzene	100-41-4	<0.000657	0.00200	0.000657	mg/L	09.12.18 16:39	U	1
m,p-Xylenes	179601-23-1	<0.000630	0.00400	0.000630	mg/L	09.12.18 16:39	U	1
o-Xylene	95-47-6	<0.000642	0.00200	0.000642	mg/L	09.12.18 16:39	U	1
Total Xylenes	1330-20-7	<0.000630	0.00200	0.000630	mg/L	09.12.18 16:39	U	1
Total BTEX		<0.000367	0.00200	0.000367	mg/L	09.12.18 16:39	U	1

Surrogate	% Recovery	Limits	Units	Analysis Date	Flag
1,4-Difluorobenzene	95	70 - 130	%		
4-Bromofluorobenzene	93	70 - 130	%		

Certificate of Analytical Results

598697

ARCADIS, Midland, TX

Chevron N. Eunice

Sample Id: **MW046A-W-180911** Matrix: Water Sample Depth:

Lab Sample Id: 598697-002 Date Collected: 09.11.18 12.20 Date Received: 09.11.18 19.00

Analytical Method: TDS by SM2540C Prep Method:

Analyst: OJS % Moist: Tech: OJS

Seq Number: 3063197 Date Prep:

Prep seq:

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Total Dissolved Solids	1642222	**2980**	5.00	5.00	mg/L	09.12.18 17:10		1

Analytical Method: Chloride by EPA 300 Prep Method: E300P

Analyst: SCM % Moist: Tech: SCM

Seq Number: 3063340 Date Prep: 09.12.18 16.15

Prep seq: 7662143

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Chloride	16887-00-6	**704**	10.0	1.72	mg/L	09.12.18 22:45		20

Analytical Method: Dissolved Metals by SW6020A Prep Method: 3010A

Analyst: DEP % Moist: Tech: MLI

Seq Number: 3063327 Date Prep: 09.15.18 11.05

Subcontractor: SUB: T104704215-18-28 Prep seq: 7662348

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Arsenic	7440-38-2	**0.0106**	0.00400	0.000246	mg/L	09.16.18 23:41		1
Chromium	7440-47-3	**1.77**	0.00400	0.000525	mg/L	09.16.18 23:41		1
Iron	7439-89-6	<0.0227	0.100	0.0227	mg/L	09.16.18 23:41	U	1
Manganese	7439-96-5	**0.00129**	0.00200	0.000199	mg/L	09.16.18 23:41	J	1

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

Analyst: OJS % Moist: Tech: OJS

Seq Number: 3062935 Date Prep:

Prep seq:

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Chromium, Hexavalent	18540-29-9	**1.67**	0.100	0.0273	mg/L	09.12.18 09:45		10

Certificate of Analytical Results

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ARCADIS, Midland, TX

Chevron N. Eunice

Sample Id: **MW046A-W-180911** Matrix: Water Sample Depth:

Lab Sample Id: 598697-002 Date Collected: 09.11.18 12.20 Date Received: 09.11.18 19.00

Analytical Method: TPH By SW8015 Mod Prep Method: 1005

Analyst: ARM % Moist: Tech: ARM

Seq Number: 3063336 Date Prep: 09.14.18 15.00

Prep seq: 7662365

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Gasoline Range Hydrocarbons	PHC610	<0.987	1.50	0.987	mg/L	09.15.18 00:24	U	1
Diesel Range Organics	C10C28DRO	<0.912	1.50	0.912	mg/L	09.15.18 00:24	U	1
Oil Range Hydrocarbons	PHCG2835	<0.912	1.50	0.912	mg/L	09.15.18 00:24	U	1
Total TPH	PHC635	<0.912	1.50	0.912	mg/L	09.15.18 00:24	U	1

Surrogate	% Recovery	Limits	Units	Analysis Date	Flag
1-Chlorooctane	91	70 - 135	%		
o-Terphenyl	92	70 - 135	%		

Analytical Method: BTEX by EPA 8021B Prep Method: 5030B

Analyst: ALJ % Moist: Tech: ALJ

Seq Number: 3062942 Date Prep: 09.12.18 08.00

Prep seq: 7662127

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Benzene	71-43-2	<0.000408	0.00200	0.000408	mg/L	09.12.18 17:00	U	1
Toluene	108-88-3	<0.000367	0.00200	0.000367	mg/L	09.12.18 17:00	U	1
Ethylbenzene	100-41-4	<0.000657	0.00200	0.000657	mg/L	09.12.18 17:00	U	1
m,p-Xylenes	179601-23-1	<0.000630	0.00400	0.000630	mg/L	09.12.18 17:00	U	1
o-Xylene	95-47-6	<0.000642	0.00200	0.000642	mg/L	09.12.18 17:00	U	1
Total Xylenes	1330-20-7	<0.000630	0.00200	0.000630	mg/L	09.12.18 17:00	U	1
Total BTEX		<0.000367	0.00200	0.000367	mg/L	09.12.18 17:00	U	1

Surrogate	% Recovery	Limits	Units	Analysis Date	Flag
1,4-Difluorobenzene	100	70 - 130	%		
4-Bromofluorobenzene	87	70 - 130	%		

Certificate of Analytical Results

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ARCADIS, Midland, TX

Chevron N. Eunice

Sample Id: **MW045-W-180911** Matrix: Water Sample Depth:

Lab Sample Id: 598697-003 Date Collected: 09.11.18 12.26 Date Received: 09.11.18 19.00

Analytical Method: TDS by SM2540C Prep Method:

Analyst: OJS % Moist: Tech: OJS

Seq Number: 3063197 Date Prep:

Prep seq:

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Total Dissolved Solids	1642222	**1350**	5.00	5.00	mg/L	09.12.18 17:10		1

Analytical Method: Chloride by EPA 300 Prep Method: E300P

Analyst: SCM % Moist: Tech: SCM

Seq Number: 3063340 Date Prep: 09.12.18 16.15

Prep seq: 7662143

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Chloride	16887-00-6	**72.1**	5.00	0.858	mg/L	09.12.18 22:54		10

Analytical Method: Dissolved Metals by SW6020A Prep Method: 3010A

Analyst: DEP % Moist: Tech: MLI

Seq Number: 3063327 Date Prep: 09.15.18 11.05

Subcontractor: SUB: T104704215-18-28 Prep seq: 7662348

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Arsenic	7440-38-2	**0.00213**	0.00400	0.000246	mg/L	09.16.18 23:44	J	1
Chromium	7440-47-3	**0.0131**	0.00400	0.000525	mg/L	09.16.18 23:44		1
Iron	7439-89-6	<0.0227	0.100	0.0227	mg/L	09.16.18 23:44	U	1
Manganese	7439-96-5	**0.0710**	0.00200	0.000199	mg/L	09.16.18 23:44		1

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

Analyst: OJS % Moist: Tech: OJS

Seq Number: 3062935 Date Prep:

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	09.12.18 09:45	U	1

Certificate of Analytical Results

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ARCADIS, Midland, TX

Chevron N. Eunice

Sample Id: **MW045-W-180911** Matrix: Water Sample Depth:

Lab Sample Id: 598697-003 Date Collected: 09.11.18 12.26 Date Received: 09.11.18 19.00

Analytical Method: TPH By SW8015 Mod Prep Method: 1005

Analyst: ARM % Moist: Tech: ARM

Seq Number: 3063336 Date Prep: 09.14.18 15.00

Prep seq: 7662365

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Gasoline Range Hydrocarbons	PHC610	<0.986	1.50	0.986	mg/L	09.15.18 00:44	U	1
Diesel Range Organics	C10C28DRO	<0.911	1.50	0.911	mg/L	09.15.18 00:44	U	1
Oil Range Hydrocarbons	PHCG2835	<0.911	1.50	0.911	mg/L	09.15.18 00:44	U	1
Total TPH	PHC635	<0.911	1.50	0.911	mg/L	09.15.18 00:44	U	1

Surrogate	% Recovery	Limits	Units	Analysis Date	Flag
1-Chlorooctane	94	70 - 135	%		
o-Terphenyl	93	70 - 135	%		

Analytical Method: BTEX by EPA 8021B Prep Method: 5030B

Analyst: ALJ % Moist: Tech: ALJ

Seq Number: 3062942 Date Prep: 09.12.18 08.00

Prep seq: 7662127

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Benzene	71-43-2	<0.000408	0.00200	0.000408	mg/L	09.12.18 17:20	U	1
Toluene	108-88-3	<0.000367	0.00200	0.000367	mg/L	09.12.18 17:20	U	1
Ethylbenzene	100-41-4	<0.000657	0.00200	0.000657	mg/L	09.12.18 17:20	U	1
m,p-Xylenes	179601-23-1	<0.000630	0.00400	0.000630	mg/L	09.12.18 17:20	U	1
o-Xylene	95-47-6	<0.000642	0.00200	0.000642	mg/L	09.12.18 17:20	U	1
Total Xylenes	1330-20-7	<0.000630	0.00200	0.000630	mg/L	09.12.18 17:20	U	1
Total BTEX		<0.000367	0.00200	0.000367	mg/L	09.12.18 17:20	U	1

Surrogate	% Recovery	Limits	Units	Analysis Date	Flag
1,4-Difluorobenzene	99	70 - 130	%		
4-Bromofluorobenzene	93	70 - 130	%		

Certificate of Analytical Results

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ARCADIS, Midland, TX

Chevron N. Eunice

Sample Id: **MW037-W-180911** Matrix: Water Sample Depth:

Lab Sample Id: 598697-004 Date Collected: 09.11.18 12.49 Date Received: 09.11.18 19.00

Analytical Method: TDS by SM2540C Prep Method:

Analyst: OJS % Moist: Tech: OJS

Seq Number: 3063197 Date Prep:

Prep seq:

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Total Dissolved Solids	1642222	**1470**	5.00	5.00	mg/L	09.12.18 17:10		1

Analytical Method: Chloride by EPA 300 Prep Method: E300P

Analyst: SCM % Moist: Tech: SCM

Seq Number: 3063340 Date Prep: 09.12.18 16.15

Prep seq: 7662143

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Chloride	16887-00-6	**549**	10.0	1.72	mg/L	09.12.18 23:04		20

Analytical Method: Dissolved Metals by SW6020A Prep Method: 3010A

Analyst: DEP % Moist: Tech: MLI

Seq Number: 3063327 Date Prep: 09.15.18 11.05

Subcontractor: SUB: T104704215-18-28 Prep seq: 7662348

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Arsenic	7440-38-2	**0.0502**	0.00400	0.000246	mg/L	09.16.18 23:47		1
Chromium	7440-47-3	**0.00126**	0.00400	0.000525	mg/L	09.16.18 23:47	J	1
Iron	7439-89-6	**7.15**	0.100	0.0227	mg/L	09.16.18 23:47		1
Manganese	7439-96-5	**0.0653**	0.00200	0.000199	mg/L	09.16.18 23:47		1

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

Analyst: OJS % Moist: Tech: OJS

Seq Number: 3062935 Date Prep:

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	09.12.18 09:45	U	1

Certificate of Analytical Results

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ARCADIS, Midland, TX

Chevron N. Eunice

Sample Id: **MW037-W-180911** Matrix: Water Sample Depth:

Lab Sample Id: 598697-004 Date Collected: 09.11.18 12.49 Date Received: 09.11.18 19.00

Analytical Method: TPH By SW8015 Mod Prep Method: 1005

Analyst: ARM % Moist: Tech: ARM

Seq Number: 3063336 Date Prep: 09.14.18 15.00

Prep seq: 7662365

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Gasoline Range Hydrocarbons	PHC610	<0.987	1.50	0.987	mg/L	09.15.18 01:04	U	1
Diesel Range Organics	C10C28DRO	**1.04**	1.50	0.911	mg/L	09.15.18 01:04	J	1
Oil Range Hydrocarbons	PHCG2835	<0.911	1.50	0.911	mg/L	09.15.18 01:04	U	1
Total TPH	PHC635	**1.04**	1.50	0.911	mg/L	09.15.18 01:04	J	1

Surrogate	% Recovery	Limits	Units	Analysis Date	Flag
1-Chlorooctane	94	70 - 135	%		
o-Terphenyl	93	70 - 135	%		

Analytical Method: BTEX by EPA 8021B Prep Method: 5030B

Analyst: ALJ % Moist: Tech: ALJ

Seq Number: 3062942 Date Prep: 09.12.18 08.00

Prep seq: 7662127

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Benzene	71-43-2	**0.0719**	0.00200	0.000408	mg/L	09.12.18 17:40		1
Toluene	108-88-3	<0.000367	0.00200	0.000367	mg/L	09.12.18 17:40	U	1
Ethylbenzene	100-41-4	**0.0108**	0.00200	0.000657	mg/L	09.12.18 17:40		1
m,p-Xylenes	179601-23-1	**0.00593**	0.00400	0.000630	mg/L	09.12.18 17:40		1
o-Xylene	95-47-6	**0.00384**	0.00200	0.000642	mg/L	09.12.18 17:40		1
Total Xylenes	1330-20-7	**0.00977**	0.00200	0.000630	mg/L	09.12.18 17:40		1
Total BTEX		**0.0925**	0.00200	0.000367	mg/L	09.12.18 17:40		1

Surrogate	% Recovery	Limits	Units	Analysis Date	Flag
1,4-Difluorobenzene	94	70 - 130	%		
4-Bromofluorobenzene	119	70 - 130	%		

Certificate of Analytical Results

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ARCADIS, Midland, TX

Chevron N. Eunice

Sample Id: **MW043-W-180911** Matrix: Water Sample Depth:

Lab Sample Id: 598697-005 Date Collected: 09.11.18 13.46 Date Received: 09.11.18 19.00

Analytical Method: TDS by SM2540C Prep Method:

Analyst: OJS % Moist: Tech: OJS

Seq Number: 3063197 Date Prep:

Prep seq:

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Total Dissolved Solids	1642222	**1620**	5.00	5.00	mg/L	09.12.18 17:10		1

Analytical Method: Chloride by EPA 300 Prep Method: E300P

Analyst: SCM % Moist: Tech: SCM

Seq Number: 3063340 Date Prep: 09.12.18 16.15

Prep seq: 7662143

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Chloride	16887-00-6	**610**	10.0	1.72	mg/L	09.12.18 23:13		20

Analytical Method: Dissolved Metals by SW6020A Prep Method: 3010A

Analyst: DEP % Moist: Tech: MLI

Seq Number: 3063327 Date Prep: 09.15.18 11.05

Subcontractor: SUB: T104704215-18-28 Prep seq: 7662348

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Arsenic	7440-38-2	**0.00508**	0.00400	0.000246	mg/L	09.16.18 23:50		1
Chromium	7440-47-3	**0.000688**	0.00400	0.000525	mg/L	09.16.18 23:50	J	1
Iron	7439-89-6	**0.152**	0.100	0.0227	mg/L	09.16.18 23:50		1
Manganese	7439-96-5	**0.545**	0.00200	0.000199	mg/L	09.16.18 23:50		1

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

Analyst: OJS % Moist: Tech: OJS

Seq Number: 3062935 Date Prep:

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	09.12.18 09:45	U	1

Certificate of Analytical Results

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ARCADIS, Midland, TX

Chevron N. Eunice

Sample Id: **MW043-W-180911** Matrix: Water Sample Depth:

Lab Sample Id: 598697-005 Date Collected: 09.11.18 13.46 Date Received: 09.11.18 19.00

Analytical Method: TPH By SW8015 Mod Prep Method: 1005

Analyst: ARM % Moist: Tech: ARM

Seq Number: 3063336 Date Prep: 09.14.18 15.00

Prep seq: 7662365

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Gasoline Range Hydrocarbons	PHC610	<0.986	1.50	0.986	mg/L	09.15.18 01:24	U	1
Diesel Range Organics	C10C28DRO	<0.911	1.50	0.911	mg/L	09.15.18 01:24	U	1
Oil Range Hydrocarbons	PHCG2835	<0.911	1.50	0.911	mg/L	09.15.18 01:24	U	1
Total TPH	PHC635	<0.911	1.50	0.911	mg/L	09.15.18 01:24	U	1

Surrogate	% Recovery	Limits	Units	Analysis Date	Flag
1-Chlorooctane	92	70 - 135	%		
o-Terphenyl	93	70 - 135	%		

Analytical Method: BTEX by EPA 8021B Prep Method: 5030B

Analyst: ALJ % Moist: Tech: ALJ

Seq Number: 3062942 Date Prep: 09.12.18 08.00

Prep seq: 7662127

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Benzene	71-43-2	<0.000408	0.00200	0.000408	mg/L	09.12.18 19:28	~~U~~ UJ	1
Toluene	108-88-3	<0.000367	0.00200	0.000367	mg/L	09.12.18 19:28	~~U~~ UJ	1
Ethylbenzene	100-41-4	<0.000657	0.00200	0.000657	mg/L	09.12.18 19:28	~~U~~ UJ	1
m,p-Xylenes	179601-23-1	<0.000630	0.00400	0.000630	mg/L	09.12.18 19:28	~~U~~ UJ	1
o-Xylene	95-47-6	**0.00347**	0.00200	0.000642	mg/L	09.12.18 19:28	J	1
Total Xylenes	1330-20-7	**0.00347**	0.00200	0.000630	mg/L	09.12.18 19:28	J	1
Total BTEX		**0.00347**	0.00200	0.000367	mg/L	09.12.18 19:28	J	1

Surrogate	% Recovery	Limits	Units	Analysis Date	Flag
1,4-Difluorobenzene	63	70 - 130	%		**
4-Bromofluorobenzene	94	70 - 130	%		

Certificate of Analytical Results
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ARCADIS, Midland, TX
Chevron N. Eunice

Sample Id: **IW019-W-180911** Matrix: Water Sample Depth:

Lab Sample Id: 598697-006 Date Collected: 09.11.18 13.17 Date Received: 09.11.18 19.00

Analytical Method: TDS by SM2540C Prep Method:

Analyst: OJS % Moist: Tech: OJS

Seq Number: 3063197 Date Prep:

Prep seq:

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Total Dissolved Solids	1642222	**3270**	5.00	5.00	mg/L	09.12.18 17:10		1

Analytical Method: Chloride by EPA 300 Prep Method: E300P

Analyst: SCM % Moist: Tech: SCM

Seq Number: 3063340 Date Prep: 09.12.18 16.15

Prep seq: 7662143

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Chloride	16887-00-6	**1060**	25.0	4.29	mg/L	09.12.18 23:22		50

Analytical Method: Dissolved Metals by SW6020A Prep Method: 3010A

Analyst: DEP % Moist: Tech: MLI

Seq Number: 3063327 Date Prep: 09.15.18 11.05

Subcontractor: SUB: T104704215-18-28 Prep seq: 7662348

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Arsenic	7440-38-2	**0.0101**	0.00400	0.000246	mg/L	09.16.18 23:53		1
Chromium	7440-47-3	**0.757**	0.00400	0.000525	mg/L	09.16.18 23:53		1
Iron	7439-89-6	<0.0227	0.100	0.0227	mg/L	09.16.18 23:53	U	1
Manganese	7439-96-5	**0.0349**	0.00200	0.000199	mg/L	09.16.18 23:53		1

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

Analyst: OJS % Moist: Tech: OJS

Seq Number: 3062935 Date Prep:

Prep seq:

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Chromium, Hexavalent	18540-29-9	**0.687**	0.0500	0.0136	mg/L	09.12.18 09:45		5

Certificate of Analytical Results

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ARCADIS, Midland, TX

Chevron N. Eunice

Sample Id: **IW019-W-180911** Matrix: Water Sample Depth:

Lab Sample Id: 598697-006 Date Collected: 09.11.18 13.17 Date Received: 09.11.18 19.00

Analytical Method: TPH By SW8015 Mod Prep Method: 1005

Analyst: ARM % Moist: Tech: ARM

Seq Number: 3063336 Date Prep: 09.14.18 15.00

Prep seq: 7662365

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Gasoline Range Hydrocarbons	PHC610	<0.986	1.50	0.986	mg/L	09.15.18 01:44	U	1
Diesel Range Organics	C10C28DRO	<0.911	1.50	0.911	mg/L	09.15.18 01:44	U	1
Oil Range Hydrocarbons	PHCG2835	<0.911	1.50	0.911	mg/L	09.15.18 01:44	U	1
Total TPH	PHC635	<0.911	1.50	0.911	mg/L	09.15.18 01:44	U	1

Surrogate	% Recovery	Limits	Units	Analysis Date	Flag
1-Chlorooctane	91	70 - 135	%		
o-Terphenyl	94	70 - 135	%		

Analytical Method: BTEX by EPA 8021B Prep Method: 5030B

Analyst: ALJ % Moist: Tech: ALJ

Seq Number: 3062942 Date Prep: 09.12.18 08.00

Prep seq: 7662127

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Benzene	71-43-2	<0.000408	0.00200	0.000408	mg/L	09.12.18 18:01	U	1
Toluene	108-88-3	<0.000367	0.00200	0.000367	mg/L	09.12.18 18:01	U	1
Ethylbenzene	100-41-4	<0.000657	0.00200	0.000657	mg/L	09.12.18 18:01	U	1
m,p-Xylenes	179601-23-1	<0.000630	0.00400	0.000630	mg/L	09.12.18 18:01	U	1
o-Xylene	95-47-6	<0.000642	0.00200	0.000642	mg/L	09.12.18 18:01	U	1
Total Xylenes	1330-20-7	<0.000630	0.00200	0.000630	mg/L	09.12.18 18:01	U	1
Total BTEX		<0.000367	0.00200	0.000367	mg/L	09.12.18 18:01	U	1

Surrogate	% Recovery	Limits	Units	Analysis Date	Flag
1,4-Difluorobenzene	98	70 - 130	%		
4-Bromofluorobenzene	94	70 - 130	%		

Certificate of Analytical Results

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ARCADIS, Midland, TX

Chevron N. Eunice

Sample Id: **MW100-W-180911** Matrix: Water Sample Depth:

Lab Sample Id: 598697-007 Date Collected: 09.11.18 13.42 Date Received: 09.11.18 19.00

Analytical Method: TDS by SM2540C Prep Method:

Analyst: OJS % Moist: Tech: OJS

Seq Number: 3063197 Date Prep:

Prep seq:

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Total Dissolved Solids	1642222	**1640**	5.00	5.00	mg/L	09.12.18 17:10		1

Analytical Method: Chloride by EPA 300 Prep Method: E300P

Analyst: SCM % Moist: Tech: SCM

Seq Number: 3063340 Date Prep: 09.12.18 16.15

Prep seq: 7662143

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Chloride	16887-00-6	**789**	10.0	1.72	mg/L	09.12.18 23:59		20

Analytical Method: Dissolved Metals by SW6020A Prep Method: 3010A

Analyst: DEP % Moist: Tech: MLI

Seq Number: 3063327 Date Prep: 09.15.18 11.05

Subcontractor: SUB: T104704215-18-28 Prep seq: 7662348

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Arsenic	7440-38-2	**0.00935**	0.00400	0.000246	mg/L	09.16.18 23:56		1
Chromium	7440-47-3	<0.000525	0.00400	0.000525	mg/L	09.16.18 23:56	U	1
Iron	7439-89-6	**0.0583**	0.100	0.0227	mg/L	09.16.18 23:56	J	1
Manganese	7439-96-5	**0.253**	0.00200	0.000199	mg/L	09.16.18 23:56		1

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

Analyst: OJS % Moist: Tech: OJS

Seq Number: 3062935 Date Prep:

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	09.12.18 09:45	U	1

Certificate of Analytical Results
598697
ARCADIS, Midland, TX
Chevron N. Eunice

Sample Id: **MW076SA-W-180911** Matrix: Water Sample Depth:

Lab Sample Id: 598697-008 Date Collected: 09.11.18 14.02 Date Received: 09.11.18 19.00

Analytical Method: TDS by SM2540C Prep Method:

Analyst: OJS % Moist: Tech: OJS

Seq Number: 3063197 Date Prep:

Prep seq:

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Total Dissolved Solids	1642222	**1850**	5.00	5.00	mg/L	09.12.18 17:10		1

Analytical Method: Chloride by EPA 300 Prep Method: E300P

Analyst: SCM % Moist: Tech: SCM

Seq Number: 3063340 Date Prep: 09.12.18 16.15

Prep seq: 7662143

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Chloride	16887-00-6	**583**	10.0	1.72	mg/L	09.13.18 00:08		20

Analytical Method: Dissolved Metals by SW6020A Prep Method: 3010A

Analyst: DEP % Moist: Tech: MLI

Seq Number: 3063327 Date Prep: 09.15.18 11.05

Subcontractor: SUB: T104704215-18-28 Prep seq: 7662348

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Arsenic	7440-38-2	**0.0130**	0.00400	0.000246	mg/L	09.17.18 00:00		1
Chromium	7440-47-3	**0.0137**	0.00400	0.000525	mg/L	09.17.18 00:00		1
Iron	7439-89-6	**0.0231**	0.100	0.0227	mg/L	09.17.18 00:00	J	1
Manganese	7439-96-5	**0.000582**	0.00200	0.000199	mg/L	09.17.18 00:00	J	1

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

Analyst: OJS % Moist: Tech: OJS

Seq Number: 3062935 Date Prep:

Prep seq:

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Chromium, Hexavalent	18540-29-9	**0.00580**	0.0100	0.00273	mg/L	09.12.18 09:45	J	1

Certificate of Analytical Results

598697

ARCADIS, Midland, TX

Chevron N. Eunice

Sample Id: **MW075SA-W-180911** Matrix: Water Sample Depth:

Lab Sample Id: 598697-009 Date Collected: 09.11.18 14.12 Date Received: 09.11.18 19.00

Analytical Method: TDS by SM2540C Prep Method:

Analyst: OJS % Moist: Tech: OJS

Seq Number: 3063197 Date Prep:

Prep seq:

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Total Dissolved Solids	1642222	**1670**	5.00	5.00	mg/L	09.12.18 17:10		1

Analytical Method: Chloride by EPA 300 Prep Method: E300P

Analyst: SCM % Moist: Tech: SCM

Seq Number: 3063340 Date Prep: 09.12.18 16.15

Prep seq: 7662143

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Chloride	16887-00-6	**399**	5.00	0.858	mg/L	09.13.18 21:05		10

Analytical Method: Dissolved Metals by SW6020A Prep Method: 3010A

Analyst: DEP % Moist: Tech: MLI

Seq Number: 3063327 Date Prep: 09.15.18 11.05

Subcontractor: SUB: T104704215-18-28 Prep seq: 7662348

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Arsenic	7440-38-2	**0.0152**	0.00400	0.000246	mg/L	09.17.18 00:03		1
Chromium	7440-47-3	**0.0135**	0.00400	0.000525	mg/L	09.17.18 00:03		1
Iron	7439-89-6	<0.0227	0.100	0.0227	mg/L	09.17.18 00:03	U	1
Manganese	7439-96-5	**0.000321**	0.00200	0.000199	mg/L	09.17.18 00:03	J	1

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

Analyst: OJS % Moist: Tech: OJS

Seq Number: 3062935 Date Prep:

Prep seq:

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Chromium, Hexavalent	18540-29-9	**0.00660**	0.0100	0.00273	mg/L	09.12.18 09:45	J	1

Certificate of Analytical Results
598697
ARCADIS, Midland, TX
Chevron N. Eunice

Sample Id: **MW084SA-W-180911** Matrix: Water Sample Depth:

Lab Sample Id: 598697-010 Date Collected: 09.11.18 14.23 Date Received: 09.11.18 19.00

Analytical Method: TDS by SM2540C Prep Method:

Analyst: OJS % Moist: Tech: OJS

Seq Number: 3063197 Date Prep:

Prep seq:

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Total Dissolved Solids	1642222	**3060**	5.00	5.00	mg/L	09.12.18 17:10		1

Analytical Method: Chloride by EPA 300 Prep Method: E300P

Analyst: SCM % Moist: Tech: SCM

Seq Number: 3063340 Date Prep: 09.12.18 16.15

Prep seq: 7662143

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Chloride	16887-00-6	**1370**	25.0	4.29	mg/L	09.13.18 21:16		50

Analytical Method: Dissolved Metals by SW6020A Prep Method: 3010A

Analyst: DEP % Moist: Tech: MLI

Seq Number: 3063327 Date Prep: 09.15.18 11.05

Subcontractor: SUB: T104704215-18-28 Prep seq: 7662348

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Arsenic	7440-38-2	**0.00938**	0.00400	0.000246	mg/L	09.17.18 00:06		1
Chromium	7440-47-3	**0.0168**	0.00400	0.000525	mg/L	09.17.18 00:06		1
Iron	7439-89-6	<0.0227	0.100	0.0227	mg/L	09.17.18 00:06	U	1
Manganese	7439-96-5	**0.00290**	0.00200	0.000199	mg/L	09.17.18 00:06		1

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

Analyst: OJS % Moist: Tech: OJS

Seq Number: 3062947 Date Prep:

Prep seq:

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Chromium, Hexavalent	18540-29-9	**0.00860**	0.0100	0.00273	mg/L	09.12.18 11:30	J	1

Certificate of Analytical Results
598697
ARCADIS, Midland, TX
Chevron N. Eunice

Sample Id: **MW085SA-W-180911** Matrix: Water Sample Depth:

Lab Sample Id: 598697-011 Date Collected: 09.11.18 14.32 Date Received: 09.11.18 19.00

Analytical Method: TDS by SM2540C Prep Method:

Analyst: OJS % Moist: Tech: OJS

Seq Number: 3063197 Date Prep:

Prep seq:

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Total Dissolved Solids	1642222	**3270**	5.00	5.00	mg/L	09.12.18 17:10		1

Analytical Method: Chloride by EPA 300 Prep Method: E300P

Analyst: SCM % Moist: Tech: SCM

Seq Number: 3063340 Date Prep: 09.12.18 16.15

Prep seq: 7662143

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Chloride	16887-00-6	**1650**	25.0	4.29	mg/L	09.13.18 21:27		50

Analytical Method: Dissolved Metals by SW6020A Prep Method: 3010A

Analyst: DEP % Moist: Tech: MLI

Seq Number: 3063327 Date Prep: 09.15.18 11.05

Subcontractor: SUB: T104704215-18-28 Prep seq: 7662348

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Arsenic	7440-38-2	**0.0140**	0.00400	0.000246	mg/L	09.17.18 00:09		1
Chromium	7440-47-3	**0.0258**	0.00400	0.000525	mg/L	09.17.18 00:09		1
Iron	7439-89-6	**0.177**	0.100	0.0227	mg/L	09.17.18 00:09		1
Manganese	7439-96-5	**0.115**	0.00200	0.000199	mg/L	09.17.18 00:09		1

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

Analyst: OJS % Moist: Tech: OJS

Seq Number: 3062947 Date Prep:

Prep seq:

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Chromium, Hexavalent	18540-29-9	**0.00280**	0.0100	0.00273	mg/L	09.12.18 11:30	J	1

Certificate of Analytical Results
598697
ARCADIS, Midland, TX
Chevron N. Eunice

Sample Id: **MW086SA-W-180911** Matrix: Water Sample Depth:

Lab Sample Id: 598697-012 Date Collected: 09.11.18 14.47 Date Received: 09.11.18 19.00

Analytical Method: TDS by SM2540C Prep Method:

Analyst: OJS % Moist: Tech: OJS

Seq Number: 3063197 Date Prep:

Prep seq:

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Total Dissolved Solids	1642222	**3110**	5.00	5.00	mg/L	09.12.18 17:10		1

Analytical Method: Chloride by EPA 300 Prep Method: E300P

Analyst: SCM % Moist: Tech: SCM

Seq Number: 3063340 Date Prep: 09.12.18 16.15

Prep seq: 7662143

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Chloride	16887-00-6	**1260**	25.0	4.29	mg/L	09.13.18 21:39		50

Analytical Method: Dissolved Metals by SW6020A Prep Method: 3010A

Analyst: DEP % Moist: Tech: MLI

Seq Number: 3063327 Date Prep: 09.15.18 11.05

Subcontractor: SUB: T104704215-18-28 Prep seq: 7662348

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Arsenic	7440-38-2	**0.0123**	0.00400	0.000246	mg/L	09.17.18 00:19		1
Chromium	7440-47-3	**0.0340**	0.00400	0.000525	mg/L	09.17.18 00:19		1
Iron	7439-89-6	<0.0227	0.100	0.0227	mg/L	09.17.18 00:19	U	1
Manganese	7439-96-5	**0.00153**	0.00200	0.000199	mg/L	09.17.18 00:19	J	1

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

Analyst: OJS % Moist: Tech: OJS

Seq Number: 3062947 Date Prep:

Prep seq:

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Chromium, Hexavalent	18540-29-9	**0.0255**	0.0100	0.00273	mg/L	09.12.18 11:30		1

Certificate of Analytical Results

598697

ARCADIS, Midland, TX

Chevron N. Eunice

Sample Id: **DUP03-W-180911** Matrix: Water Sample Depth:

Lab Sample Id: 598697-013 Date Collected: 09.11.18 00.00 Date Received: 09.11.18 19.00

Analytical Method: TDS by SM2540C Prep Method:

Analyst: OJS % Moist: Tech: OJS

Seq Number: 3063197 Date Prep:

Prep seq:

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Total Dissolved Solids	1642222	**1670**	5.00	5.00	mg/L	09.12.18 17:10		1

Analytical Method: Chloride by EPA 300 Prep Method: E300P

Analyst: SCM % Moist: Tech: SCM

Seq Number: 3063340 Date Prep: 09.12.18 16.15

Prep seq: 7662143

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Chloride	16887-00-6	**641**	10.0	1.72	mg/L	09.13.18 21:50		20

Analytical Method: Dissolved Metals by SW6020A Prep Method: 3010A

Analyst: DEP % Moist: Tech: MLI

Seq Number: 3063327 Date Prep: 09.15.18 11.05

Subcontractor: SUB: T104704215-18-28 Prep seq: 7662348

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Arsenic	7440-38-2	**0.00524**	0.00400	0.000246	mg/L	09.17.18 00:22		1
Chromium	7440-47-3	**0.000605**	0.00400	0.000525	mg/L	09.17.18 00:22	J	1
Iron	7439-89-6	**0.156**	0.100	0.0227	mg/L	09.17.18 00:22		1
Manganese	7439-96-5	**0.553**	0.00200	0.000199	mg/L	09.17.18 00:22		1

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

Analyst: OJS % Moist: Tech: OJS

Seq Number: 3062947 Date Prep:

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	09.12.18 11:30	U	1

Certificate of Analytical Results

598697

ARCADIS, Midland, TX

Chevron N. Eunice

Sample Id: **DUP03-W-180911** Matrix: Water Sample Depth:

Lab Sample Id: 598697-013 Date Collected: 09.11.18 00.00 Date Received: 09.11.18 19.00

Analytical Method: TPH By SW8015 Mod Prep Method: 1005

Analyst: ARM % Moist: Tech: ARM

Seq Number: 3063336 Date Prep: 09.14.18 15.00

Prep seq: 7662365

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Gasoline Range Hydrocarbons	PHC610	<0.986	1.50	0.986	mg/L	09.15.18 02:03	U	1
Diesel Range Organics	C10C28DRO	<0.911	1.50	0.911	mg/L	09.15.18 02:03	U	1
Oil Range Hydrocarbons	PHCG2835	<0.911	1.50	0.911	mg/L	09.15.18 02:03	U	1
Total TPH	PHC635	<0.911	1.50	0.911	mg/L	09.15.18 02:03	U	1

Surrogate	% Recovery	Limits	Units	Analysis Date	Flag
1-Chlorooctane	96	70 - 135	%		
o-Terphenyl	97	70 - 135	%		

Analytical Method: BTEX by EPA 8021B Prep Method: 5030B

Analyst: ALJ % Moist: Tech: ALJ

Seq Number: 3062942 Date Prep: 09.12.18 08.00

Prep seq: 7662127

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Benzene	71-43-2	<0.000408	0.00200	0.000408	mg/L	09.12.18 19:07	U	1
Toluene	108-88-3	<0.000367	0.00200	0.000367	mg/L	09.12.18 19:07	U	1
Ethylbenzene	100-41-4	<0.000657	0.00200	0.000657	mg/L	09.12.18 19:07	U	1
m,p-Xylenes	179601-23-1	<0.000630	0.00400	0.000630	mg/L	09.12.18 19:07	U	1
o-Xylene	95-47-6	**0.00319**	0.00200	0.000642	mg/L	09.12.18 19:07		1
Total Xylenes	1330-20-7	**0.00319**	0.00200	0.000630	mg/L	09.12.18 19:07		1
Total BTEX		**0.00319**	0.00200	0.000367	mg/L	09.12.18 19:07		1

Surrogate	% Recovery	Limits	Units	Analysis Date	Flag
1,4-Difluorobenzene	85	70 - 130	%		
4-Bromofluorobenzene	117	70 - 130	%		

Certificate of Analytical Results
598697
ARCADIS, Midland, TX
Chevron N. Eunice

Sample Id: **DUP07-W-180911** Matrix: Water Sample Depth:

Lab Sample Id: 598697-014 Date Collected: 09.11.18 00.00 Date Received: 09.11.18 19.00

Analytical Method: TDS by SM2540C Prep Method:

Analyst: OJS % Moist: Tech: OJS

Seq Number: 3063197 Date Prep:

Prep seq:

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Total Dissolved Solids	1642222	**1730**	5.00	5.00	mg/L	09.12.18 17:10		1

Analytical Method: Chloride by EPA 300 Prep Method: E300P

Analyst: SCM % Moist: Tech: SCM

Seq Number: 3063340 Date Prep: 09.12.18 16.15

Prep seq: 7662143

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Chloride	16887-00-6	**865**	10.0	1.72	mg/L	09.13.18 22:01		20

Analytical Method: Dissolved Metals by SW6020A Prep Method: 3010A

Analyst: DEP % Moist: Tech: MLI

Seq Number: 3063327 Date Prep: 09.15.18 11.05

Subcontractor: SUB: T104704215-18-28 Prep seq: 7662348

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Arsenic	7440-38-2	**0.00906**	0.00400	0.000246	mg/L	09.17.18 00:25		1
Chromium	7440-47-3	<0.000525	0.00400	0.000525	mg/L	09.17.18 00:25	U	1
Iron	7439-89-6	**0.0569**	0.100	0.0227	mg/L	09.17.18 00:25	J	1
Manganese	7439-96-5	**0.223**	0.00200	0.000199	mg/L	09.17.18 00:25		1

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

Analyst: OJS % Moist: Tech: OJS

Seq Number: 3062947 Date Prep:

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	09.12.18 11:30	U	1

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ARCADIS

ID#:

CHAIN OF CUSTODY & LABORATORY ANALYSIS REQUEST FORM

Page 1 of 2

Lab Work Order # 698921

Send Results to:

Contact & Company Name: Brett Krehbiel Arcadis
Telephone: 916-786-0320
Address: 101 Creekside Ridge Court, Suite 200
Fax: 916-786-0366
City: Roseville State: CA Zip: 95678
E-mail Address: brett.krehbiel@arcadis.com
Project Name/Location (City, State): Chevron N. Eunice
Project #: B0048789.0004
Sampler's Printed Name: Jerry Silongwell
Sampler's Signature:

Sample ID	Collection Date	Collection Time	Type (✓) Comp	Type (✓) Grab	Matrix
MW071SA-W-180912	9/12/18	0911		X	W
MW074SA-W-180912	9/12/18	0926		X	W
MW056SA-W-180912	9/12/18	0940		X	W
MW055SA-W-180912	9/12/18	0954		X	W
MW066SA-W-180912	9/12/18	1005		X	W
MW073SA-W-180912	9/12/18	1016		X	W
MW072SA-W-180912	9/12/18	1135		X	W
MW021A-W-180912	9/12/18	1149		X	W
MW050SA-W-180912	9/12/18	1159		X	W
MW051SA-W-180912	9/12/18	1211		X	W
MW028SA-W-180912	9/12/18	1225		X	W
MW054SA-N-180912	9/12/18	1242		X	W
DUP04-W-180912	9/12/18			X	W
DUP05-W-180912	9/12/18			X	W

Preservative	B	B	C	E	E			
Filtered (✓)			✓	✓				
# of Containers			19	19	19			
Container Information	1	1	3	4	4			

PARAMETER ANALYSIS & METHOD

BTEX 8021B	TPH GRO & DRO 8015B	Dissolved As, Mn, Fe, Cr 6010B	Dissolved Hex Chromium 7196	Chloride & TDS
		1	1	1
		1	1	1
		1	1	1
		1	1	1
		1	1	1
		1	1	1
		1	1	1
		1	1	1
		1	1	1
		1	1	1
		1	1	1
		1	1	1
		1	1	1
		1	1	1

Keys

Preservation Key:
A. H_2SO_4
B. HCL
C. HNO_3
D. NaOH
E. None
F. Other: _____
G. Other: _____
H. Other: _____

Container Information Key:
1. 40 ml Vial
2. 1 L Amber
3. 250 ml Plastic
4. 500 ml Plastic
5. Encore
6. 2 oz. Glass
7. 4 oz. Glass
8. 8 oz. Glass
9. Other: _____
10. Other: _____

Matrix Key:
SO - Soil
W - Water
T - Tissue
SE - Sediment
SL - Sludge
A - Air
NL - NAPL/Oil
SW - Sample Wipe
Other: _____

REMARKS

Special Instructions/Comments:

☐ Special QA/QC Instructions(✓):

Laboratory Information and Receipt

Lab Name: Xenco
☑ Cooler packed with ice (✓)
Special Turnaround Requirements: 5 Business Days TAT
Shipping Tracking #:

Cooler Custody Seal (✓): ☑ Intact ☐ Not Intact
Sample Receipt: R80.030
Condition/Cooler Temp: 3.0

Relinquished By	Received By	Relinquished By	Laboratory Received By
Printed Name: Jerry Silongwell	Printed Name: Winston Nod	Printed Name: Winston Nod	Printed Name: Katie Lave
Signature:	Signature:	Signature:	Signature:
Firm: Arcadis	Firm/Courier: Xenco	Firm/Courier: Xenco	Firm: Xenco
Date/Time: 09/12/18 1708	Date/Time: 09/12/18 17:08	Date/Time: 09/12/18 19:00	Date/Time: 9/12/18 19:00

20730826 CofC AR Form 08.27.2015

Distribution: WHITE – Laboratory returns with results YELLOW – Lab copy PINK – Retained by Arcadis

Received by OCD: 3/25/2020 3:45:40 PM
Released to Imaging: 6/14/2022 10:44:20 AM
Final 1.001
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ARCADIS

ID#:

CHAIN OF CUSTODY & LABORATORY ANALYSIS REQUEST FORM

Page 2 of 2

Lab Work Order #: 598921

Send Results to:

Contact & Company Name: Brett Krehbiel Arcadis
Telephone: 916-786-0320
Address: 101 Creekside Ridge Court, Suite 200
Fax: 916-786-0366
City: Roseville State: CA Zip: 95678
E-mail Address: brett.krehbiel@arcadis.com
Project Name/Location (City, State): Chevron N. Eunice
Project #: B0048789.0004
Sampler's Printed Name: Jerry Slongwell
Sampler's Signature:

Preservative	B	B	C	E	E			
Filtered (✓)			✓	✓				
# of Containers			3	4	4			
Container Information	1	1	3	4	4			

PARAMETER ANALYSIS & METHOD

Keys

Preservation Key:
A. H_2SO_4
B. HCL
C. HNO_3
D. NaOH
E. None
F. Other: _____
G. Other: _____
H. Other: _____

Container Information Key:
1. 40 ml Vial
2. 1 L Amber
3. 250 ml Plastic
4. 500 ml Plastic
5. Encore
6. 2 oz. Glass
7. 4 oz. Glass
8. 8 oz. Glass
9. Other: _____
10. Other: _____

Matrix Key:
SO - Soil
W - Water
T - Tissue
SE - Sediment
SL - Sludge
A - Air
NL - NAPL/Oil
SW - Sample Wipe
Other: _____

Sample ID	Collection Date	Collection Time	Type (✓) Comp	Type (✓) Grab	Matrix	BTEX 8021B	TPH GRO & DRO 8015B	Dissolved As, Mn, Fe, Cr 6010B	Dissolved Hex Chromium 7196	Chloride & TDS	REMARKS
MW057SA-W-180912	9/12/18	1809		X	W			1	1	1	
MW048SA-W-180912	9/12/18	1320		X	W			1	1	1	
MW049SA-W-180912	9/12/18	1332		X	W			1	1	1	
MW041A-W-180912	9/12/18	1347		X	W			1	1	1	
MW062A-W-180912	9/12/18	1803		X	W			1	1	1	
MW063A-W-180912	9/12/18	1824		X	W			1	1	1	
MW074A-W-180912	9/12/18	1843		X	W			1	1	1	
MW070-W-180912	9/12/18	1502		X	W			1	1	1	
DUP02-W-180912	9/12/18	—		X	W			1	1	1	

Special Instructions/Comments: MW057SA-W-180912 9/12/18 11:35

☐ Special QA/QC Instructions(✓):

Laboratory Information and Receipt		Relinquished By	Received By	Relinquished By	Laboratory Received By
Lab Name: Xenco	Cooler Custody Seal (✓) ☑ Intact ☐ Not Intact	Printed Name: Jerry S. Longwell	Printed Name: Winston Nod	Printed Name: Winston Nod	Printed Name:
☑ Cooler packed with ice (✓)		Signature:	Signature:	Signature:	Signature:
Specify Turnaround Requirements: Standard TAT	Sample Receipt: R80.03.0	Firm: Arcadis	Firm/Courier: Xenco	Firm/Courier: Xenco	Firm:
Shipping Tracking #:	Condition/Cooler Temp: 3.0	Date/Time: 09/12/18 1708	Date/Time: 09/12/18 17:08	Date/Time: 09/12/18 19:00	Date/Time:

20730826 CofC AR Form 08.27.2015

Distribution: WHITE – Laboratory returns with results YELLOW – Lab copy PINK – Retained by Arcadis

Received by OCD: 3/25/2020 3:45:40 PM
Released to Imaging: 6/14/2022 10:44:20 AM
Final 1.001
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Certificate of Analytical Results
598921
ARCADIS, Midland, TX
Chevron N. Eunice

Sample Id: **MW071SA-W-180912** Matrix: Water Sample Depth:

Lab Sample Id: 598921-001 Date Collected: 09.12.18 09.11 Date Received: 09.12.18 19.00

Analytical Method: TDS by SM2540C Prep Method:

Analyst: OJS % Moist: Tech: OJS

Seq Number: 3063197 Date Prep:

Prep seq:

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Total Dissolved Solids	1642222	**1580**	5.00	5.00	mg/L	09.13.18 16:30		1

Analytical Method: Chloride by EPA 300 Prep Method: E300P

Analyst: SCM % Moist: Tech: SCM

Seq Number: 3063369 Date Prep: 09.13.18 15.00

Prep seq: 7662262

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Chloride	16887-00-6	**613**	5.00	0.858	mg/L	09.14.18 04:28		10

Analytical Method: Dissolved Metals by SW6020A Prep Method: 3010A

Analyst: DEP % Moist: Tech: MLI

Seq Number: 3063327 Date Prep: 09.15.18 11.05

Subcontractor: SUB: T104704215-18-28 Prep seq: 7662348

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Arsenic	7440-38-2	**0.00951**	0.00400	0.000246	mg/L	09.17.18 00:28		1
Chromium	7440-47-3	**0.00142**	0.00400	0.000525	mg/L	09.17.18 00:28	J	1
Iron	7439-89-6	**0.100**	0.100	0.0227	mg/L	09.17.18 00:28	J	1
Manganese	7439-96-5	**0.293**	0.00200	0.000199	mg/L	09.17.18 00:28		1

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

Analyst: OJS % Moist: Tech: OJS

Seq Number: 3063018 Date Prep:

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	09.13.18 08:05	U	1

Certificate of Analytical Results
598921
ARCADIS, Midland, TX
Chevron N. Eunice

Sample Id: **MW074SA-W-180912** Matrix: Water Sample Depth:

Lab Sample Id: 598921-002 Date Collected: 09.12.18 09.26 Date Received: 09.12.18 19.00

Analytical Method: TDS by SM2540C Prep Method:

Analyst: OJS % Moist: Tech: OJS

Seq Number: 3063197 Date Prep:

Prep seq:

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Total Dissolved Solids	1642222	**1510**	5.00	5.00	mg/L	09.13.18 16:30		1

Analytical Method: Chloride by EPA 300 Prep Method: E300P

Analyst: SCM % Moist: Tech: SCM

Seq Number: 3063369 Date Prep: 09.13.18 15.00

Prep seq: 7662262

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Chloride	16887-00-6	**376**	5.00	0.858	mg/L	09.14.18 04:39		10

Analytical Method: Dissolved Metals by SW6020A Prep Method: 3010A

Analyst: DEP % Moist: Tech: MLI

Seq Number: 3063327 Date Prep: 09.15.18 11.05

Subcontractor: SUB: T104704215-18-28 Prep seq: 7662348

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Arsenic	7440-38-2	**0.0152**	0.00400	0.000246	mg/L	09.17.18 00:31		1
Chromium	7440-47-3	**0.00517**	0.00400	0.000525	mg/L	09.17.18 00:31		1
Iron	7439-89-6	<0.0227	0.100	0.0227	mg/L	09.17.18 00:31	U	1
Manganese	7439-96-5	**0.000226**	0.00200	0.000199	mg/L	09.17.18 00:31	J	1

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

Analyst: OJS % Moist: Tech: OJS

Seq Number: 3063018 Date Prep:

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	09.13.18 08:05	U	1

Certificate of Analytical Results
598921
ARCADIS, Midland, TX
Chevron N. Eunice

Sample Id: **MW056SA-W-180912** Matrix: Water Sample Depth:

Lab Sample Id: 598921-003 Date Collected: 09.12.18 09.42 Date Received: 09.12.18 19.00

Analytical Method: TDS by SM2540C Prep Method:

Analyst: OJS % Moist: Tech: OJS

Seq Number: 3063197 Date Prep:

Prep seq:

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Total Dissolved Solids	1642222	**3380**	5.00	5.00	mg/L	09.13.18 16:30		1

Analytical Method: Chloride by EPA 300 Prep Method: E300P

Analyst: SCM % Moist: Tech: SCM

Seq Number: 3063369 Date Prep: 09.13.18 15.00

Prep seq: 7662262

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Chloride	16887-00-6	**1130**	25.0	4.29	mg/L	09.14.18 04:50		50

Analytical Method: Dissolved Metals by SW6020A Prep Method: 3010A

Analyst: DEP % Moist: Tech: MLI

Seq Number: 3063327 Date Prep: 09.15.18 11.05

Subcontractor: SUB: T104704215-18-28 Prep seq: 7662348

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Arsenic	7440-38-2	**0.0155**	0.00400	0.000246	mg/L	09.17.18 00:35		1
Chromium	7440-47-3	**0.417**	0.00400	0.000525	mg/L	09.17.18 00:35		1
Iron	7439-89-6	**0.0257**	0.100	0.0227	mg/L	09.17.18 00:35	J	1
Manganese	7439-96-5	**0.000575**	0.00200	0.000199	mg/L	09.17.18 00:35	J	1

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

Analyst: OJS % Moist: Tech: OJS

Seq Number: 3063018 Date Prep:

Prep seq:

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Chromium, Hexavalent	18540-29-9	**0.401**	0.0100	0.00273	mg/L	09.13.18 08:05		1

Certificate of Analytical Results
598921
ARCADIS, Midland, TX
Chevron N. Eunice

Sample Id: **MW055SA-W-180912** Matrix: Water Sample Depth:

Lab Sample Id: 598921-004 Date Collected: 09.12.18 09.54 Date Received: 09.12.18 19.00

Analytical Method: TDS by SM2540C Prep Method:

Analyst: OJS % Moist: Tech: OJS

Seq Number: 3063197 Date Prep:

Prep seq:

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Total Dissolved Solids	1642222	**1660**	5.00	5.00	mg/L	09.13.18 16:30		1

Analytical Method: Chloride by EPA 300 Prep Method: E300P

Analyst: SCM % Moist: Tech: SCM

Seq Number: 3063369 Date Prep: 09.13.18 15.00

Prep seq: 7662262

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Chloride	16887-00-6	**622**	10.0	1.72	mg/L	09.14.18 05:24		20

Analytical Method: Dissolved Metals by SW6020A Prep Method: 3010A

Analyst: DEP % Moist: Tech: MLI

Seq Number: 3063327 Date Prep: 09.15.18 11.05

Subcontractor: SUB: T104704215-18-28 Prep seq: 7662348

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Arsenic	7440-38-2	**0.00784**	0.00400	0.000246	mg/L	09.17.18 00:38		1
Chromium	7440-47-3	**0.171**	0.00400	0.000525	mg/L	09.17.18 00:38		1
Iron	7439-89-6	<0.0227	0.100	0.0227	mg/L	09.17.18 00:38	U	1
Manganese	7439-96-5	**0.000439**	0.00200	0.000199	mg/L	09.17.18 00:38	J	1

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

Analyst: OJS % Moist: Tech: OJS

Seq Number: 3063018 Date Prep:

Prep seq:

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Chromium, Hexavalent	18540-29-9	**0.166**	0.0100	0.00273	mg/L	09.13.18 08:05		1

Certificate of Analytical Results
598921
ARCADIS, Midland, TX
Chevron N. Eunice

Sample Id: **MW066SA-W-180912** Matrix: Water Sample Depth:

Lab Sample Id: 598921-005 Date Collected: 09.12.18 10.05 Date Received: 09.12.18 19.00

Analytical Method: TDS by SM2540C Prep Method:

Analyst: OJS % Moist: Tech: OJS

Seq Number: 3063197 Date Prep:

Prep seq:

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Total Dissolved Solids	1642222	**2350**	5.00	5.00	mg/L	09.13.18 16:30		1

Analytical Method: Chloride by EPA 300 Prep Method: E300P

Analyst: SCM % Moist: Tech: SCM

Seq Number: 3063369 Date Prep: 09.13.18 15.00

Prep seq: 7662262

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Chloride	16887-00-6	**884**	10.0	1.72	mg/L	09.14.18 17:06		20

Analytical Method: Dissolved Metals by SW6020A Prep Method: 3010A

Analyst: DEP % Moist: Tech: MLI

Seq Number: 3063327 Date Prep: 09.15.18 11.05

Subcontractor: SUB: T104704215-18-28 Prep seq: 7662348

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Arsenic	7440-38-2	**0.00987**	0.00400	0.000246	mg/L	09.17.18 00:41		1
Chromium	7440-47-3	**0.0186**	0.00400	0.000525	mg/L	09.17.18 00:41		1
Iron	7439-89-6	**0.0408**	0.100	0.0227	mg/L	09.17.18 00:41	J	1
Manganese	7439-96-5	**0.115**	0.00200	0.000199	mg/L	09.17.18 00:41		1

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

Analyst: OJS % Moist: Tech: OJS

Seq Number: 3063018 Date Prep:

Prep seq:

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Chromium, Hexavalent	18540-29-9	**0.0137**	0.0100	0.00273	mg/L	09.13.18 08:05		1

Certificate of Analytical Results
598921
ARCADIS, Midland, TX
Chevron N. Eunice

Sample Id: **MW073SA-W-180912** Matrix: Water Sample Depth:

Lab Sample Id: 598921-006 Date Collected: 09.12.18 10.16 Date Received: 09.12.18 19.00

Analytical Method: TDS by SM2540C Prep Method:

Analyst: OJS % Moist: Tech: OJS

Seq Number: 3063197 Date Prep:

Prep seq:

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Total Dissolved Solids	1642222	**965**	5.00	5.00	mg/L	09.13.18 16:30		1

Analytical Method: Chloride by EPA 300 Prep Method: E300P

Analyst: SCM % Moist: Tech: SCM

Seq Number: 3063369 Date Prep: 09.13.18 15.00

Prep seq: 7662262

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Chloride	16887-00-6	**229**	5.00	0.858	mg/L	09.14.18 17:14		10

Analytical Method: Dissolved Metals by SW6020A Prep Method: 3010A

Analyst: DEP % Moist: Tech: AHI

Seq Number: 3063648 Date Prep: 09.17.18 10.20

Subcontractor: SUB: T104704215-18-28 Prep seq: 7662384

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Arsenic	7440-38-2	**0.0112**	0.00400	0.000246	mg/L	09.18.18 15:36		1
Chromium	7440-47-3	<0.000525	0.00400	0.000525	mg/L	09.18.18 15:36	U	1
Iron	7439-89-6	**0.231**	0.100	0.0227	mg/L	09.18.18 15:36		1
Manganese	7439-96-5	**0.00136**	0.00200	0.000199	mg/L	09.18.18 15:36	J	1

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

Analyst: OJS % Moist: Tech: OJS

Seq Number: 3063018 Date Prep:

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	09.13.18 08:05	U	1

Certificate of Analytical Results
598921
ARCADIS, Midland, TX
Chevron N. Eunice

Sample Id: **MW072SA-W-180912** Matrix: Water Sample Depth:

Lab Sample Id: 598921-007 Date Collected: 09.12.18 11.35 Date Received: 09.12.18 19.00

Analytical Method: TDS by SM2540C Prep Method:

Analyst: OJS % Moist: Tech: OJS

Seq Number: 3063326 Date Prep:

Prep seq:

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Total Dissolved Solids	1642222	**1090**	5.00	5.00	mg/L	09.13.18 15:45		1

Analytical Method: Chloride by EPA 300 Prep Method: E300P

Analyst: SCM % Moist: Tech: SCM

Seq Number: 3063369 Date Prep: 09.13.18 15.00

Prep seq: 7662262

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Chloride	16887-00-6	**238**	5.00	0.858	mg/L	09.14.18 17:21		10

Analytical Method: Dissolved Metals by SW6020A Prep Method: 3010A

Analyst: DEP % Moist: Tech: AHI

Seq Number: 3063648 Date Prep: 09.17.18 10.20

Subcontractor: SUB: T104704215-18-28 Prep seq: 7662384

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Arsenic	7440-38-2	**0.0179**	0.00400	0.000246	mg/L	09.18.18 15:40		1
Chromium	7440-47-3	<0.000525	0.00400	0.000525	mg/L	09.18.18 15:40	U	1
Iron	7439-89-6	<0.0227	0.100	0.0227	mg/L	09.18.18 15:40	U	1
Manganese	7439-96-5	**0.000362**	0.00200	0.000199	mg/L	09.18.18 15:40	J	1

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

Analyst: OJS % Moist: Tech: OJS

Seq Number: 3063018 Date Prep:

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	09.13.18 08:05	U	1

Certificate of Analytical Results
598921
ARCADIS, Midland, TX
Chevron N. Eunice

Sample Id: **MW021A-W-180912** Matrix: Water Sample Depth:

Lab Sample Id: 598921-008 Date Collected: 09.12.18 11.48 Date Received: 09.12.18 19.00

Analytical Method: Dissolved Metals by SW6020A Prep Method: 3010A

Analyst: DEP % Moist: Tech: AHI

Seq Number: 3063648 Date Prep: 09.17.18 10.20

Subcontractor: SUB: T104704215-18-28 Prep seq: 7662384

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Arsenic	7440-38-2	**0.0106**	0.00400	0.000246	mg/L	09.18.18 15:43		1
Chromium	7440-47-3	**0.00352**	0.00400	0.000525	mg/L	09.18.18 15:43	J	1
Iron	7439-89-6	<0.0227	0.100	0.0227	mg/L	09.18.18 15:43	U	1
Manganese	7439-96-5	**0.0108**	0.00200	0.000199	mg/L	09.18.18 15:43		1

Sample Id: **MW021A-W-180912** Matrix: Water Sample Depth:

Lab Sample Id: 598921-008 Date Collected: 09.12.18 11.48 Date Received: 09.12.18 19.00

Analytical Method: TDS by SM2540C Prep Method:

Analyst: OJS % Moist: Tech: OJS

Seq Number: 3063326 Date Prep:

Prep seq:

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Total Dissolved Solids	1642222	**5170**	5.00	5.00	mg/L	09.13.18 15:45		1

Analytical Method: Chloride by EPA 300 Prep Method: E300P

Analyst: SCM % Moist: Tech: SCM

Seq Number: 3063369 Date Prep: 09.13.18 15.00

Prep seq: 7662262

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Chloride	16887-00-6	**2330**	25.0	4.29	mg/L	09.14.18 17:29		50

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

Analyst: OJS % Moist: Tech: OJS

Seq Number: 3063018 Date Prep:

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	09.13.18 08:05	U	1

Certificate of Analytical Results
598921
ARCADIS, Midland, TX
Chevron N. Eunice

Sample Id: **MW050SA-W-180912** Matrix: Water Sample Depth:

Lab Sample Id: 598921-009 Date Collected: 09.12.18 11.59 Date Received: 09.12.18 19.00

Analytical Method: TDS by SM2540C Prep Method:

Analyst: OJS % Moist: Tech: OJS

Seq Number: 3063326 Date Prep:

Prep seq:

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Total Dissolved Solids	1642222	**3580**	5.00	5.00	mg/L	09.13.18 15:45		1

Analytical Method: Chloride by EPA 300 Prep Method: E300P

Analyst: SCM % Moist: Tech: SCM

Seq Number: 3063369 Date Prep: 09.13.18 15.00

Prep seq: 7662262

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Chloride	16887-00-6	**1510**	25.0	4.29	mg/L	09.14.18 17:36		50

Analytical Method: Dissolved Metals by SW6020A Prep Method: 3010A

Analyst: DEP % Moist: Tech: AHI

Seq Number: 3063648 Date Prep: 09.17.18 10.20

Subcontractor: SUB: T104704215-18-28 Prep seq: 7662384

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Arsenic	7440-38-2	**0.00822**	0.00400	0.000246	mg/L	09.18.18 15:46		1
Chromium	7440-47-3	**0.442**	0.00400	0.000525	mg/L	09.18.18 15:46		1
Iron	7439-89-6	<0.0227	0.100	0.0227	mg/L	09.18.18 15:46	U	1
Manganese	7439-96-5	**0.0204**	0.00200	0.000199	mg/L	09.18.18 15:46		1

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

Analyst: OJS % Moist: Tech: OJS

Seq Number: 3063018 Date Prep:

Prep seq:

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Chromium, Hexavalent	18540-29-9	**0.405**	0.0100	0.00273	mg/L	09.13.18 08:05		1

Certificate of Analytical Results
598921
ARCADIS, Midland, TX
Chevron N. Eunice

Sample Id: **MW051SA-W-180912** Matrix: Water Sample Depth:

Lab Sample Id: 598921-010 Date Collected: 09.12.18 12.11 Date Received: 09.12.18 19.00

Analytical Method: TDS by SM2540C Prep Method:

Analyst: OJS % Moist: Tech: OJS

Seq Number: 3063326 Date Prep:

Prep seq:

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Total Dissolved Solids	1642222	**3300**	5.00	5.00	mg/L	09.13.18 15:45		1

Analytical Method: Chloride by EPA 300 Prep Method: E300P

Analyst: SCM % Moist: Tech: SCM

Seq Number: 3063369 Date Prep: 09.13.18 15.00

Prep seq: 7662262

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Chloride	16887-00-6	**1120**	25.0	4.29	mg/L	09.14.18 17:43		50

Analytical Method: Dissolved Metals by SW6020A Prep Method: 3010A

Analyst: DEP % Moist: Tech: AHI

Seq Number: 3063648 Date Prep: 09.17.18 10.20

Subcontractor: SUB: T104704215-18-28 Prep seq: 7662384

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Arsenic	7440-38-2	**0.0116**	0.00400	0.000246	mg/L	09.18.18 15:49		1
Chromium	7440-47-3	**0.799**	0.00400	0.000525	mg/L	09.18.18 15:49		1
Iron	7439-89-6	<0.0227	0.100	0.0227	mg/L	09.18.18 15:49	U	1
Manganese	7439-96-5	**0.00236**	0.00200	0.000199	mg/L	09.18.18 15:49		1

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

Analyst: OJS % Moist: Tech: OJS

Seq Number: 3063018 Date Prep:

Prep seq:

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Chromium, Hexavalent	18540-29-9	**0.668**	0.0500	0.0136	mg/L	09.13.18 08:05		5

Certificate of Analytical Results
598921
ARCADIS, Midland, TX
Chevron N. Eunice

Sample Id: **MW079SA-W-180912** Matrix: Water Sample Depth:

Lab Sample Id: 598921-011 Date Collected: 09.12.18 12.25 Date Received: 09.12.18 19.00

Analytical Method: TDS by SM2540C Prep Method:

Analyst: OJS % Moist: Tech: OJS

Seq Number: 3063326 Date Prep:

Prep seq:

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Total Dissolved Solids	1642222	**1140**	5.00	5.00	mg/L	09.13.18 15:45		1

Analytical Method: Chloride by EPA 300 Prep Method: E300P

Analyst: SCM % Moist: Tech: SCM

Seq Number: 3063369 Date Prep: 09.13.18 15.00

Prep seq: 7662262

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Chloride	16887-00-6	**270**	5.00	0.858	mg/L	09.14.18 17:51		10

Analytical Method: Dissolved Metals by SW6020A Prep Method: 3010A

Analyst: DEP % Moist: Tech: AHI

Seq Number: 3063648 Date Prep: 09.17.18 10.20

Subcontractor: SUB: T104704215-18-28 Prep seq: 7662384

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Arsenic	7440-38-2	**0.00709**	0.00400	0.000246	mg/L	09.18.18 15:52		1
Chromium	7440-47-3	**0.000775**	0.00400	0.000525	mg/L	09.18.18 15:52	J	1
Iron	7439-89-6	**0.176**	0.100	0.0227	mg/L	09.18.18 15:52		1
Manganese	7439-96-5	**0.0406**	0.00200	0.000199	mg/L	09.18.18 15:52		1

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

Analyst: OJS % Moist: Tech: OJS

Seq Number: 3063019 Date Prep:

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	09.13.18 10:00	U	1

Certificate of Analytical Results
598921
ARCADIS, Midland, TX
Chevron N. Eunice

Sample Id: **MW054SA-W-180912** Matrix: Water Sample Depth:

Lab Sample Id: 598921-012 Date Collected: 09.12.18 12.42 Date Received: 09.12.18 19.00

Analytical Method: TDS by SM2540C Prep Method:

Analyst: OJS % Moist: Tech: OJS

Seq Number: 3063326 Date Prep:

Prep seq:

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Total Dissolved Solids	1642222	**1970**	5.00	5.00	mg/L	09.13.18 15:45		1

Analytical Method: Chloride by EPA 300 Prep Method: E300P

Analyst: SCM % Moist: Tech: SCM

Seq Number: 3063369 Date Prep: 09.13.18 15.00

Prep seq: 7662262

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Chloride	16887-00-6	**800**	10.0	1.72	mg/L	09.14.18 17:58		20

Analytical Method: Dissolved Metals by SW6020A Prep Method: 3010A

Analyst: DEP % Moist: Tech: AHI

Seq Number: 3063648 Date Prep: 09.17.18 10.20

Subcontractor: SUB: T104704215-18-28 Prep seq: 7662384

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Arsenic	7440-38-2	**0.0107**	0.00400	0.000246	mg/L	09.18.18 15:56		1
Chromium	7440-47-3	**0.131**	0.00400	0.000525	mg/L	09.18.18 15:56		1
Iron	7439-89-6	**0.103**	0.100	0.0227	mg/L	09.18.18 15:56		1
Manganese	7439-96-5	**0.00315**	0.00200	0.000199	mg/L	09.18.18 15:56		1

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

Analyst: OJS % Moist: Tech: OJS

Seq Number: 3063019 Date Prep:

Prep seq:

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Chromium, Hexavalent	18540-29-9	**0.115**	0.0100	0.00273	mg/L	09.13.18 10:00		1

Certificate of Analytical Results
598921
ARCADIS, Midland, TX
Chevron N. Eunice

Sample Id: **DUP04-W-180912** Matrix: Water Sample Depth:

Lab Sample Id: 598921-013 Date Collected: 09.12.18 00.00 Date Received: 09.12.18 19.00

Analytical Method: TDS by SM2540C Prep Method:

Analyst: OJS % Moist: Tech: OJS

Seq Number: 3063326 Date Prep:

Prep seq:

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Total Dissolved Solids	1642222	**1970**	5.00	5.00	mg/L	09.13.18 15:45		1

Analytical Method: Chloride by EPA 300 Prep Method: E300P

Analyst: SCM % Moist: Tech: SCM

Seq Number: 3063369 Date Prep: 09.13.18 15.00

Prep seq: 7662262

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Chloride	16887-00-6	**801**	10.0	1.72	mg/L	09.14.18 18:06		20

Analytical Method: Dissolved Metals by SW6020A Prep Method: 3010A

Analyst: DEP % Moist: Tech: AHI

Seq Number: 3063648 Date Prep: 09.17.18 10.20

Subcontractor: SUB: T104704215-18-28 Prep seq: 7662384

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Arsenic	7440-38-2	**0.0108**	0.00400	0.000246	mg/L	09.18.18 15:59		1
Chromium	7440-47-3	**0.129**	0.00400	0.000525	mg/L	09.18.18 15:59		1
Iron	7439-89-6	**0.0672**	0.100	0.0227	mg/L	09.18.18 15:59	J	1
Manganese	7439-96-5	**0.00235**	0.00200	0.000199	mg/L	09.18.18 15:59		1

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

Analyst: OJS % Moist: Tech: OJS

Seq Number: 3063019 Date Prep:

Prep seq:

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Chromium, Hexavalent	18540-29-9	**0.118**	0.0100	0.00273	mg/L	09.13.18 10:00		1

Certificate of Analytical Results
598921
ARCADIS, Midland, TX
Chevron N. Eunice

Sample Id: **DUP05-W-180912** Matrix: Water Sample Depth:

Lab Sample Id: 598921-014 Date Collected: 09.12.18 00.00 Date Received: 09.12.18 19.00

Analytical Method: TDS by SM2540C Prep Method:

Analyst: OJS % Moist: Tech: OJS

Seq Number: 3063326 Date Prep:

Prep seq:

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Total Dissolved Solids	1642222	**1030**	5.00	5.00	mg/L	09.13.18 15:45		1

Analytical Method: Chloride by EPA 300 Prep Method: E300P

Analyst: SCM % Moist: Tech: SCM

Seq Number: 3063369 Date Prep: 09.13.18 15.00

Prep seq: 7662262

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Chloride	16887-00-6	**269**	5.00	0.858	mg/L	09.14.18 18:13		10

Analytical Method: Dissolved Metals by SW6020A Prep Method: 3010A

Analyst: DEP % Moist: Tech: AHI

Seq Number: 3063648 Date Prep: 09.17.18 10.20

Subcontractor: SUB: T104704215-18-28 Prep seq: 7662384

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Arsenic	7440-38-2	**0.00707**	0.00400	0.000246	mg/L	09.18.18 16:02		1
Chromium	7440-47-3	**0.000783**	0.00400	0.000525	mg/L	09.18.18 16:02	J	1
Iron	7439-89-6	**0.184**	0.100	0.0227	mg/L	09.18.18 16:02		1
Manganese	7439-96-5	**0.0420**	0.00200	0.000199	mg/L	09.18.18 16:02		1

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

Analyst: OJS % Moist: Tech: OJS

Seq Number: 3063019 Date Prep:

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	09.13.18 10:00	U	1

Certificate of Analytical Results
598921
ARCADIS, Midland, TX
Chevron N. Eunice

Sample Id: **MW052SA-W-180912** Matrix: Water Sample Depth:

Lab Sample Id: 598921-015 Date Collected: 09.12.18 13.09 Date Received: 09.12.18 19.00

Analytical Method: TDS by SM2540C Prep Method:

Analyst: OJS % Moist: Tech: OJS

Seq Number: 3063326 Date Prep:

Prep seq:

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Total Dissolved Solids	1642222	**3020**	5.00	5.00	mg/L	09.13.18 15:45		1

Analytical Method: Chloride by EPA 300 Prep Method: E300P

Analyst: SCM % Moist: Tech: SCM

Seq Number: 3063369 Date Prep: 09.13.18 15.00

Prep seq: 7662262

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Chloride	16887-00-6	**1400**	25.0	4.29	mg/L	09.14.18 18:43		50

Analytical Method: Dissolved Metals by SW6020A Prep Method: 3010A

Analyst: DEP % Moist: Tech: AHI

Seq Number: 3063648 Date Prep: 09.17.18 10.20

Subcontractor: SUB: T104704215-18-28 Prep seq: 7662384

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Arsenic	7440-38-2	**0.0131**	0.00400	0.000246	mg/L	09.18.18 16:18		1
Chromium	7440-47-3	**0.242**	0.00400	0.000525	mg/L	09.18.18 16:18		1
Iron	7439-89-6	<0.0227	0.100	0.0227	mg/L	09.18.18 16:18	U	1
Manganese	7439-96-5	**0.000660**	0.00200	0.000199	mg/L	09.18.18 16:18	J	1

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

Analyst: OJS % Moist: Tech: OJS

Seq Number: 3063019 Date Prep:

Prep seq:

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Chromium, Hexavalent	18540-29-9	**0.222**	0.0100	0.00273	mg/L	09.13.18 10:00		1

Certificate of Analytical Results
598921
ARCADIS, Midland, TX
Chevron N. Eunice

Sample Id: **MW049SA-W-180912** Matrix: Water Sample Depth:

Lab Sample Id: 598921-016 Date Collected: 09.12.18 13.20 Date Received: 09.12.18 19.00

Analytical Method: TDS by SM2540C Prep Method:

Analyst: OJS % Moist: Tech: OJS

Seq Number: 3063326 Date Prep:

Prep seq:

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Total Dissolved Solids	1642222	**2960**	5.00	5.00	mg/L	09.13.18 15:45		1

Analytical Method: Chloride by EPA 300 Prep Method: E300P

Analyst: SCM % Moist: Tech: SCM

Seq Number: 3063369 Date Prep: 09.13.18 15.00

Prep seq: 7662262

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Chloride	16887-00-6	**1300**	25.0	4.29	mg/L	09.14.18 18:50		50

Analytical Method: Dissolved Metals by SW6020A Prep Method: 3010A

Analyst: DEP % Moist: Tech: AHI

Seq Number: 3063648 Date Prep: 09.17.18 10.20

Subcontractor: SUB: T104704215-18-28 Prep seq: 7662384

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Arsenic	7440-38-2	**0.0116**	0.00400	0.000246	mg/L	09.18.18 16:21		1
Chromium	7440-47-3	**0.188**	0.00400	0.000525	mg/L	09.18.18 16:21		1
Iron	7439-89-6	<0.0227	0.100	0.0227	mg/L	09.18.18 16:21	U	1
Manganese	7439-96-5	**0.000414**	0.00200	0.000199	mg/L	09.18.18 16:21	J	1

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

Analyst: OJS % Moist: Tech: OJS

Seq Number: 3063019 Date Prep:

Prep seq:

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Chromium, Hexavalent	18540-29-9	**0.171**	0.0100	0.00273	mg/L	09.13.18 10:00		1

Certificate of Analytical Results
598921
ARCADIS, Midland, TX
Chevron N. Eunice

Sample Id: **MW048SA-W-180912** Matrix: Water Sample Depth:

Lab Sample Id: 598921-017 Date Collected: 09.12.18 13.32 Date Received: 09.12.18 19.00

Analytical Method: TDS by SM2540C Prep Method:

Analyst: OJS % Moist: Tech: OJS

Seq Number: 3063326 Date Prep:

Prep seq:

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Total Dissolved Solids	1642222	**1960**	5.00	5.00	mg/L	09.13.18 15:45		1

Analytical Method: Chloride by EPA 300 Prep Method: E300P

Analyst: SCM % Moist: Tech: SCM

Seq Number: 3063369 Date Prep: 09.13.18 15.00

Prep seq: 7662262

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Chloride	16887-00-6	**583**	10.0	1.72	mg/L	09.14.18 18:58		20

Analytical Method: Dissolved Metals by SW6020A Prep Method: 3010A

Analyst: DEP % Moist: Tech: AHI

Seq Number: 3063648 Date Prep: 09.17.18 10.20

Subcontractor: SUB: T104704215-18-28 Prep seq: 7662384

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Arsenic	7440-38-2	**0.0119**	0.00400	0.000246	mg/L	09.18.18 16:24		1
Chromium	7440-47-3	**0.453**	0.00400	0.000525	mg/L	09.18.18 16:24		1
Iron	7439-89-6	**0.136**	0.100	0.0227	mg/L	09.18.18 16:24		1
Manganese	7439-96-5	**0.000896**	0.00200	0.000199	mg/L	09.18.18 16:24	J	1

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

Analyst: OJS % Moist: Tech: OJS

Seq Number: 3063019 Date Prep:

Prep seq:

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Chromium, Hexavalent	18540-29-9	**0.404**	0.0100	0.00273	mg/L	09.13.18 10:00		1

Certificate of Analytical Results
598921
ARCADIS, Midland, TX
Chevron N. Eunice

Sample Id: **MW041A-W-180912** Matrix: Water Sample Depth:

Lab Sample Id: 598921-018 Date Collected: 09.12.18 13.44 Date Received: 09.12.18 19.00

Analytical Method: TDS by SM2540C Prep Method:

Analyst: OJS % Moist: Tech: OJS

Seq Number: 3063326 Date Prep:

Prep seq:

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Total Dissolved Solids	1642222	**1600**	5.00	5.00	mg/L	09.13.18 15:45		1

Analytical Method: Chloride by EPA 300 Prep Method: E300P

Analyst: SCM % Moist: Tech: SCM

Seq Number: 3063374 Date Prep: 09.14.18 12.33

Prep seq: 7662274

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Chloride	16887-00-6	**403**	5.00	0.858	mg/L	09.15.18 00:47		10

Analytical Method: Dissolved Metals by SW6020A Prep Method: 3010A

Analyst: DEP % Moist: Tech: AHI

Seq Number: 3063648 Date Prep: 09.17.18 10.20

Subcontractor: SUB: T104704215-18-28 Prep seq: 7662384

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Arsenic	7440-38-2	**0.0103**	0.00400	0.000246	mg/L	09.18.18 16:28		1
Chromium	7440-47-3	**0.206**	0.00400	0.000525	mg/L	09.18.18 16:28		1
Iron	7439-89-6	<0.0227	0.100	0.0227	mg/L	09.18.18 16:28	U	1
Manganese	7439-96-5	**0.00121**	0.00200	0.000199	mg/L	09.18.18 16:28	J	1

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

Analyst: OJS % Moist: Tech: OJS

Seq Number: 3063019 Date Prep:

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	09.13.18 10:00		1

Certificate of Analytical Results
598921
ARCADIS, Midland, TX
Chevron N. Eunice

Sample Id: **MW062A-W-180912** Matrix: Water Sample Depth:

Lab Sample Id: 598921-019 Date Collected: 09.12.18 14.03 Date Received: 09.12.18 19.00

Analytical Method: TDS by SM2540C Prep Method:

Analyst: OJS % Moist: Tech: OJS

Seq Number: 3063326 Date Prep:

Prep seq:

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Total Dissolved Solids	1642222	**497**	5.00	5.00	mg/L	09.13.18 15:45		1

Analytical Method: Chloride by EPA 300 Prep Method: E300P

Analyst: SCM % Moist: Tech: SCM

Seq Number: 3063374 Date Prep: 09.14.18 12.33

Prep seq: 7662274

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Chloride	16887-00-6	**57.9**	2.50	0.429	mg/L	09.15.18 00:55		5

Analytical Method: Dissolved Metals by SW6020A Prep Method: 3010A

Analyst: DEP % Moist: Tech: AHI

Seq Number: 3063648 Date Prep: 09.17.18 10.20

Subcontractor: SUB: T104704215-18-28 Prep seq: 7662384

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Arsenic	7440-38-2	**0.0240**	0.00400	0.000246	mg/L	09.18.18 16:31		1
Chromium	7440-47-3	**0.00213**	0.00400	0.000525	mg/L	09.18.18 16:31	J	1
Iron	7439-89-6	<0.0227	0.100	0.0227	mg/L	09.18.18 16:31	U	1
Manganese	7439-96-5	<0.000199	0.00200	0.000199	mg/L	09.18.18 16:31	U	1

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

Analyst: OJS % Moist: Tech: OJS

Seq Number: 3063019 Date Prep:

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	09.13.18 10:00	U	1

Certificate of Analytical Results
598921
ARCADIS, Midland, TX
Chevron N. Eunice

Sample Id: **MW063A-W-180912** Matrix: Water Sample Depth:

Lab Sample Id: 598921-020 Date Collected: 09.12.18 14.14 Date Received: 09.12.18 19.00

Analytical Method: TDS by SM2540C Prep Method:

Analyst: OJS % Moist: Tech: OJS

Seq Number: 3063326 Date Prep:

Prep seq:

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Total Dissolved Solids	1642222	**472**	5.00	5.00	mg/L	09.13.18 15:45		1

Analytical Method: Chloride by EPA 300 Prep Method: E300P

Analyst: SCM % Moist: Tech: SCM

Seq Number: 3063374 Date Prep: 09.14.18 12.33

Prep seq: 7662274

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Chloride	16887-00-6	**51.7**	2.50	0.429	mg/L	09.15.18 01:02		5

Analytical Method: Dissolved Metals by SW6020A Prep Method: 3010A

Analyst: DEP % Moist: Tech: AHI

Seq Number: 3063648 Date Prep: 09.17.18 10.20

Subcontractor: SUB: T104704215-18-28 Prep seq: 7662384

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Arsenic	7440-38-2	**0.0233**	0.00400	0.000246	mg/L	09.18.18 16:34		1
Chromium	7440-47-3	**0.00162**	0.00400	0.000525	mg/L	09.18.18 16:34	J	1
Iron	7439-89-6	<0.0227	0.100	0.0227	mg/L	09.18.18 16:34	U	1
Manganese	7439-96-5	**0.000592**	0.00200	0.000199	mg/L	09.18.18 16:34	J	1

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

Analyst: OJS % Moist: Tech: OJS

Seq Number: 3063019 Date Prep:

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	09.13.18 10:00	U	1

Certificate of Analytical Results
598921
ARCADIS, Midland, TX
Chevron N. Eunice

Sample Id: **MW024A-W-180912** Matrix: Water Sample Depth:

Lab Sample Id: 598921-021 Date Collected: 09.12.18 14.43 Date Received: 09.12.18 19.00

Analytical Method: TDS by SM2540C Prep Method:

Analyst: OJS % Moist: Tech: OJS

Seq Number: 3063326 Date Prep:

Prep seq:

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Total Dissolved Solids	1642222	**2420**	5.00	5.00	mg/L	09.13.18 15:45		1

Analytical Method: Chloride by EPA 300 Prep Method: E300P

Analyst: SCM % Moist: Tech: SCM

Seq Number: 3063374 Date Prep: 09.14.18 12.33

Prep seq: 7662274

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Chloride	16887-00-6	**901**	10.0	1.72	mg/L	09.15.18 01:10		20

Analytical Method: Dissolved Metals by SW6020A Prep Method: 3010A

Analyst: DEP % Moist: Tech: AHI

Seq Number: 3063648 Date Prep: 09.17.18 10.20

Subcontractor: SUB: T104704215-18-28 Prep seq: 7662384

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Arsenic	7440-38-2	**0.0125**	0.00400	0.000246	mg/L	09.18.18 16:37		1
Chromium	7440-47-3	**0.579**	0.00400	0.000525	mg/L	09.18.18 16:37		1
Iron	7439-89-6	<0.0227	0.100	0.0227	mg/L	09.18.18 16:37	U	1
Manganese	7439-96-5	<0.000199	0.00200	0.000199	mg/L	09.18.18 16:37	U	1

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

Analyst: OJS % Moist: Tech: OJS

Seq Number: 3063022 Date Prep:

Prep seq:

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Chromium, Hexavalent	18540-29-9	**0.477**	0.0500	0.0136	mg/L	09.13.18 11:15		5

Certificate of Analytical Results
598921
ARCADIS, Midland, TX
Chevron N. Eunice

Sample Id: **MW070A-W-180912** Matrix: Water Sample Depth:

Lab Sample Id: 598921-022 Date Collected: 09.12.18 15.02 Date Received: 09.12.18 19.00

Analytical Method: TDS by SM2540C Prep Method:

Analyst: OJS % Moist: Tech: OJS

Seq Number: 3063326 Date Prep:

Prep seq:

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Total Dissolved Solids	1642222	**1120**	5.00	5.00	mg/L	09.13.18 15:45		1

Analytical Method: Chloride by EPA 300 Prep Method: E300P

Analyst: SCM % Moist: Tech: SCM

Seq Number: 3063374 Date Prep: 09.14.18 12.33

Prep seq: 7662274

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Chloride	16887-00-6	**387**	5.00	0.858	mg/L	09.15.18 01:39		10

Analytical Method: Dissolved Metals by SW6020A Prep Method: 3010A

Analyst: DEP % Moist: Tech: AHI

Seq Number: 3063675 Date Prep: 09.18.18 09.00

Subcontractor: SUB: T104704215-18-28 Prep seq: 7662476

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Arsenic	7440-38-2	**0.0145**	0.00400	0.000246	mg/L	09.18.18 20:02		1
Chromium	7440-47-3	**0.000838**	0.00400	0.000525	mg/L	09.18.18 20:02	J	1
Iron	7439-89-6	<0.0227	0.100	0.0227	mg/L	09.18.18 20:02	U	1
Manganese	7439-96-5	**0.000481**	0.00200	0.000199	mg/L	09.18.18 20:02	J	1

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

Analyst: OJS % Moist: Tech: OJS

Seq Number: 3063022 Date Prep:

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	09.13.18 11:15	U	1

Certificate of Analytical Results
598921
ARCADIS, Midland, TX
Chevron N. Eunice

Sample Id: **Dup02-W-180912** Matrix: Water Sample Depth:

Lab Sample Id: 598921-023 Date Collected: 09.12.18 00.00 Date Received: 09.12.18 19.00

Analytical Method: TDS by SM2540C Prep Method:

Analyst: OJS % Moist: Tech: OJS

Seq Number: 3063326 Date Prep:

Prep seq:

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Total Dissolved Solids	1642222	**2310**	5.00	5.00	mg/L	09.13.18 15:45		1

Analytical Method: Chloride by EPA 300 Prep Method: E300P

Analyst: SCM % Moist: Tech: SCM

Seq Number: 3063374 Date Prep: 09.14.18 12.33

Prep seq: 7662274

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Chloride	16887-00-6	**894**	10.0	1.72	mg/L	09.15.18 01:47		20

Analytical Method: Dissolved Metals by SW6020A Prep Method: 3010A

Analyst: DEP % Moist: Tech: AHI

Seq Number: 3063675 Date Prep: 09.18.18 09.00

Subcontractor: SUB: T104704215-18-28 Prep seq: 7662476

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Arsenic	7440-38-2	**0.0126**	0.00400	0.000246	mg/L	09.19.18 15:34		1
Chromium	7440-47-3	**0.547**	0.00400	0.000525	mg/L	09.19.18 15:34		1
Iron	7439-89-6	<0.0227	0.100	0.0227	mg/L	09.19.18 15:34	U	1
Manganese	7439-96-5	**0.000247**	0.00200	0.000199	mg/L	09.19.18 15:34	J	1

Sample Id: **Dup02-W-180912** Matrix: Water Sample Depth:

Lab Sample Id: 598921-023 Date Collected: 09.12.18 00.00 Date Received: 09.12.18 19.00

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

Analyst: OJS % Moist: Tech: OJS

Seq Number: 3063022 Date Prep:

Prep seq:

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Chromium, Hexavalent	18540-29-9	**0.520**	0.0500	0.0136	mg/L	09.13.18 11:15	~~K~~	5

Certificate of Analytical Results
598921
ARCADIS, Midland, TX
Chevron N. Eunice

Sample Id: **MW057SA-W-180912** Matrix: Water Sample Depth:

Lab Sample Id: 598921-024 Date Collected: 09.12.18 11.35 Date Received: 09.12.18 19.00

Analytical Method: TDS by SM2540C Prep Method:

Analyst: OJS % Moist: Tech: OJS

Seq Number: 3063326 Date Prep:

Prep seq:

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Total Dissolved Solids	1642222	**1450**	5.00	5.00	mg/L	09.13.18 15:45		1

Analytical Method: Chloride by EPA 300 Prep Method: E300P

Analyst: SCM % Moist: Tech: SCM

Seq Number: 3063374 Date Prep: 09.14.18 12.33

Prep seq: 7662274

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Chloride	16887-00-6	**346**	5.00	0.858	mg/L	09.15.18 01:54		10

Analytical Method: Dissolved Metals by SW6020A Prep Method: 3010A

Analyst: DEP % Moist: Tech: AHI

Seq Number: 3063675 Date Prep: 09.18.18 09.00

Subcontractor: SUB: T104704215-18-28 Prep seq: 7662476

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Arsenic	7440-38-2	**0.0127**	0.00400	0.000246	mg/L	09.19.18 15:37		1
Chromium	7440-47-3	**0.0387**	0.00400	0.000525	mg/L	09.19.18 15:37		1
Iron	7439-89-6	<0.0227	0.100	0.0227	mg/L	09.19.18 15:37	U	1
Manganese	7439-96-5	**0.000203**	0.00200	0.000199	mg/L	09.19.18 15:37	J	1

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

Analyst: OJS % Moist: Tech: OJS

Seq Number: 3063022 Date Prep:

Prep seq:

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Chromium, Hexavalent	18540-29-9	**0.0276**	0.0100	0.00273	mg/L	09.13.18 11:15		1

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ARCADIS

ID#:

CHAIN OF CUSTODY & LABORATORY ANALYSIS REQUEST FORM

Page 1 of 2

Lab Work Order # 590178

Send Results to:

Contact & Company Name: Brett Krehbiel Arcadis

Telephone: 916-786-0320

Address: 101 Creekside Ridge Court, Suite 200

Fax: 916-786-0366

City: Roseville State: CA Zip: 95678

E-mail Address: brett.krehbiel@arcadis.com

Project Name/Location (City, State): Chevron N. Eunice

Project #: B0048789.0004

Sampler's Printed Name: Gary S. Hongwell

Sampler's Signature:

Preservative	B	B	C	E	E		
Filtered (✓)			✓	✓			
# of Containers							
Container Information	1	1	3	4	4		

Keys

Preservation Key:
A. H_2SO_4
B. HCL
C. HNO_3
D. NaOH
E. None
F. Other: _____
G. Other: _____
H. Other: _____

Container Information Key:
1. 40 ml Vial
2. 1 L Amber
3. 250 ml Plastic
4. 500 ml Plastic
5. Encore
6. 2 oz. Glass
7. 4 oz. Glass
8. 8 oz. Glass
9. Other: _____
10. Other: _____

Matrix Key:
SO - Soil; SE - Sediment; NL - NAPL/Oil
W - Water; SL - Sludge; SW - Sample Wipe
T - Tissue; A - Air; Other: _____

PARAMETER ANALYSIS & METHOD

Sample ID	Collection Date	Collection Time	Type (✓) Comp	Type (✓) Grab	Matrix	BTEX 8021B	TPH GRO & DRO 8015B	Dissolved As, Mn, Fe, Cr 6010B	Dissolved Hex Chromium 7196	Chloride & TDS	REMARKS
MW088M-W-180913	9/13/18	1447		X	W			1	1	1	
MW013-W-180913	9/13/18	1434		X	W			1	1	1	
MW084DA-W-180913	9/13/18	1429		X	W			1	1	1	
MW010-W-180913	9/13/18	1421		X	W			1	1	1	
MW019A-W-180913	9/13/18	1409		X	W			1	1	1	
MW018-W-180913	9/13/18	1346		X	W			1	1	1	
MW020A-W-180913	9/13/18	1400		X	W			1	1	1	
MW099-W-180913	9/13/18	1321		X	W			1	1	1	
MW015A-W-180913	9/13/18	1289		X	W			1	1	1	
MW026-W-180913	9/13/18	1239		X	W			1	1	1	
MW027-W-180913	9/13/18	1229		X	W			1	1	1	
MW032-W-180913	9/13/18	1213		X	W			1	1	1	
MW068-W-180913	9/13/18	1144		X	W			2	1	1	
MW061-W-180913	9/13/18	1132		X	W			1	1	1	

Special Instructions/Comments:

☐ Special QA/QC Instructions(✓):

Laboratory Information and Receipt

Lab Name: Xenco

☐ Cooler packed with ice (✓)

Specify Turnaround Requirements: Standard TAT

Shipping Tracking #:

Cooler Custody Seal (✓): ☑ Intact ☐ Not Intact

Sample Receipt: 190.03.0

Condition/Cooler Temp: 3.0

Relinquished By	Received By	Relinquished By	Laboratory Received By
Printed Name: Gary Shongwell	Printed Name: Winston Abbey	Printed Name: Winston Abbey	Printed Name: Brianna Teel
Signature:	Signature:	Signature:	Signature:
Firm: Arcadis	Firm/Courier: Xenco	Firm/Courier: Xenco	Firm: Xenco
Date/Time: 9/14/18 1657	Date/Time: 09/13/18 16:57	Date/Time: 09/13/18 1900	Date/Time: 9/13/18 1900

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ARCADIS

ID#:

CHAIN OF CUSTODY & LABORATORY ANALYSIS REQUEST FORM

Page 2 of 2

Lab Work Order #: 599078

Send Results to:

Contact & Company Name: Brett Krehbiel Arcadis
Telephone: 916-786-0320
Address: 101 Creekside Ridge Court, Suite 200
Fax: 916-786-0366
City: Roseville State: CA Zip: 95678
E-mail Address: brett.krehbiel@arcadis.com
Project Name/Location (City, State): Chevron N. Eunice
Project #: B0048789.0004
Sampler's Printed Name: Jerry Shoemaker
Sampler's Signature:

Sample ID	Collection Date	Collection Time	Type (✓) Comp	Type (✓) Grab	Matrix	Preservative	Filtered (✓)	# of Containers	Container Information	BTEX 8021B	TPH GRO & DRO 8015B	Dissolved As, Mn, Fe, Cr 6010B	Dissolved Hex Chromium 7196	Chloride & TDS
						B	B	C	E	E				
								✓	✓					
						1	1	3	4	4				
MW095-W-180913	9/13/18	1117		X	W							1	1	1
MW030-W-180913	9/13/18	0958		X	W							1	1	1
MW031-W-180913	9/13/18	1030		X	W							1	1	1
MW060-W-180913	9/13/18	1103		X	W							1	1	1
MW059-W-180913	9/13/18	1010		X	W							1	1	1
MW069-W-180913	9/13/18	1041		X	W							1	1	1
MW023-W-180913	9/13/18	1020		X	W							1	1	1

Keys

Preservation Key:
A. H_2SO_4
B. HCL
C. HNO_3
D. NaOH
E. None
F. Other: _____
G. Other: _____
H. Other: _____

Container Information Key:
1. 40 ml Vial
2. 1 L Amber
3. 250 ml Plastic
4. 500 ml Plastic
5. Encore
6. 2 oz. Glass
7. 4 oz. Glass
8. 8 oz. Glass
9. Other: _____
10. Other: _____

Matrix Key:
SO - Soil
W - Water
T - Tissue
SE - Sediment
SL - Sludge
A - Air
NL - NAPL/Oil
SW - Sample Wipe
Other: _____

PARAMETER ANALYSIS & METHOD

REMARKS

Special Instructions/Comments:

☐ Special QA/QC Instructions(✓):

Laboratory Information and Receipt

Lab Name: Xenco
☐ Cooler packed with ice (✓)
Specify Turnaround Requirements: Standard TAT
Shipping Tracking #:
Cooler Custody Seal (✓): ☑ Intact ☐ Not Intact
Sample Receipt: Received
Condition/Cooler Temp: 3.0

Relinquished By	Received By	Relinquished By	Laboratory Received By
Printed Name: Jerry Shoemaker	Printed Name: Winston Neal	Printed Name: Winston Neal	Printed Name: Brittney Teel
Signature:	Signature:	Signature:	Signature:
Firm: Arcadis	Firm/Courier: Xenco	Firm/Courier: Xenco	Firm: Xenco
Date/Time: 9/13/18 1657	Date/Time: 09/13/18 16:57	Date/Time: 09/13/18 1900	Date/Time: 9/13/18 1900

20730826 CofC AR Form 08.27.2015

Distribution: WHITE – Laboratory returns with results YELLOW – Lab copy PINK – Retained by Arcadis

Received by OCD: 3/25/2020 3:45:40 PM
Released to Imaging: 6/14/2022 10:44:20 AM
Final 1.001
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Certificate of Analytical Results

599078

ARCADIS, Midland, TX

Chevron N. Eunice

Sample Id: **MW088M-W-180913** Matrix: Water Sample Depth:

Lab Sample Id: 599078-001 Date Collected: 09.13.18 14.47 Date Received: 09.13.18 19.00

Analytical Method: TDS by SM2540C Prep Method:

Analyst: OJS % Moist: Tech: OJS

Seq Number: 3063565 Date Prep:

Prep seq:

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Total Dissolved Solids	1642222	**3200**	5.00	5.00	mg/L	09.15.18 12:00		1

Analytical Method: Chloride by EPA 300 Prep Method: E300P

Analyst: SCM % Moist: Tech: CHE

Seq Number: 3063721 Date Prep: 09.18.18 13.15

Prep seq: 7662536

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Chloride	16887-00-6	**1760**	25.0	4.29	mg/L	09.18.18 18:46		50

Analytical Method: Dissolved Metals by SW6020A Prep Method: 3010A

Analyst: DEP % Moist: Tech: AHI

Seq Number: 3063648 Date Prep: 09.17.18 10.20

Subcontractor: SUB: T104704215-18-28 Prep seq: 7662384

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Arsenic	7440-38-2	**0.0234**	0.00400	0.000246	mg/L	09.18.18 16:12		1
Chromium	7440-47-3	**0.157**	0.00400	0.000525	mg/L	09.18.18 16:12		1
Iron	7439-89-6	**1.99**	0.100	0.0227	mg/L	09.18.18 16:12		1
Manganese	7439-96-5	**0.994**	0.0200	0.00199	mg/L	11.08.18 14:15	D	10

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

Analyst: OJS % Moist: Tech: OJS

Seq Number: 3063189 Date Prep:

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	09.14.18 07:20	U	1

Certificate of Analytical Results

599078

ARCADIS, Midland, TX

Chevron N. Eunice

Sample Id: **MW013-W-180913** Matrix: Water Sample Depth:

Lab Sample Id: 599078-002 Date Collected: 09.13.18 14.38 Date Received: 09.13.18 19.00

Analytical Method: TDS by SM2540C Prep Method:

Analyst: OJS % Moist: Tech: OJS

Seq Number: 3063565 Date Prep:

Prep seq:

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Total Dissolved Solids	1642222	**2810**	5.00	5.00	mg/L	09.15.18 12:00		1

Analytical Method: Chloride by EPA 300 Prep Method: E300P

Analyst: SCM % Moist: Tech: CHE

Seq Number: 3063721 Date Prep: 09.18.18 13.15

Prep seq: 7662536

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Chloride	16887-00-6	**692**	10.0	1.72	mg/L	09.18.18 18:56		20

Analytical Method: Dissolved Metals by SW6020A Prep Method: 3010A

Analyst: DEP % Moist: Tech: AHI

Seq Number: 3063648 Date Prep: 09.17.18 10.20

Subcontractor: SUB: T104704215-18-28 Prep seq: 7662384

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Arsenic	7440-38-2	**0.00757**	0.00400	0.000246	mg/L	09.18.18 16:15		1
Chromium	7440-47-3	**1.76**	0.00400	0.000525	mg/L	09.18.18 16:15		1
Iron	7439-89-6	<0.0227	0.100	0.0227	mg/L	09.18.18 16:15	U	1
Manganese	7439-96-5	**0.000747**	0.00200	0.000199	mg/L	09.18.18 16:15	J	1

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

Analyst: OJS % Moist: Tech: OJS

Seq Number: 3063189 Date Prep:

Prep seq:

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Chromium, Hexavalent	18540-29-9	**1.84**	0.0500	0.0136	mg/L	09.14.18 07:20		5

Certificate of Analytical Results

599078

ARCADIS, Midland, TX

Chevron N. Eunice

Sample Id: **MW040A-W-180913** Matrix: Water Sample Depth:

Lab Sample Id: 599078-003 Date Collected: 09.13.18 14.29 Date Received: 09.13.18 19.00

Analytical Method: TDS by SM2540C Prep Method:

Analyst: OJS % Moist: Tech: OJS

Seq Number: 3063565 Date Prep:

Prep seq:

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Total Dissolved Solids	1642222	**497**	5.00	5.00	mg/L	09.15.18 12:00		1

Analytical Method: Chloride by EPA 300 Prep Method: E300P

Analyst: SCM % Moist: Tech: CHE

Seq Number: 3063721 Date Prep: 09.18.18 13.15

Prep seq: 7662536

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Chloride	16887-00-6	**51.6**	2.50	0.429	mg/L	09.18.18 19:07		5

Analytical Method: Dissolved Metals by SW6020A Prep Method: 3010A

Analyst: DEP % Moist: Tech: AHI

Seq Number: 3063675 Date Prep: 09.18.18 09.00

Subcontractor: SUB: T104704215-18-28 Prep seq: 7662476

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Arsenic	7440-38-2	**0.0195**	0.0200	0.00123	mg/L	09.19.18 17:20	J	5
Chromium	7440-47-3	<0.00262	0.0200	0.00262	mg/L	09.19.18 17:20	U	5
Iron	7439-89-6	<0.114	0.500	0.114	mg/L	09.19.18 17:20	U	5
Manganese	7439-96-5	**0.00163**	0.0100	0.000993	mg/L	09.19.18 17:20	J	5

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

Analyst: OJS % Moist: Tech: OJS

Seq Number: 3063189 Date Prep:

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	09.14.18 07:20	U	1

Certificate of Analytical Results

599078

ARCADIS, Midland, TX

Chevron N. Eunice

Sample Id: **MW010-W-180913** Matrix: Water Sample Depth:

Lab Sample Id: 599078-004 Date Collected: 09.13.18 14.21 Date Received: 09.13.18 19.00

Analytical Method: TDS by SM2540C Prep Method:

Analyst: OJS % Moist: Tech: OJS

Seq Number: 3063565 Date Prep:

Prep seq:

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Total Dissolved Solids	1642222	**4990**	5.00	5.00	mg/L	09.15.18 12:00		1

Analytical Method: Chloride by EPA 300 Prep Method: E300P

Analyst: SCM % Moist: Tech: CHE

Seq Number: 3063721 Date Prep: 09.18.18 13.15

Prep seq: 7662536

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Chloride	16887-00-6	**2550**	25.0	4.29	mg/L	09.18.18 19:17		50

Analytical Method: Dissolved Metals by SW6020A Prep Method: 3010A

Analyst: DEP % Moist: Tech: AHI

Seq Number: 3063675 Date Prep: 09.18.18 09.00

Subcontractor: SUB: T104704215-18-28 Prep seq: 7662476

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Arsenic	7440-38-2	**0.00939**	0.0200	0.00123	mg/L	09.19.18 17:23	J	5
Chromium	7440-47-3	**0.0228**	0.0200	0.00262	mg/L	09.19.18 17:23		5
Iron	7439-89-6	<0.114	0.500	0.114	mg/L	09.19.18 17:23	U	5
Manganese	7439-96-5	**0.00206**	0.0100	0.000993	mg/L	09.19.18 17:23	J	5

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

Analyst: OJS % Moist: Tech: OJS

Seq Number: 3063189 Date Prep:

Prep seq:

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Chromium, Hexavalent	18540-29-9	**0.0120**	0.0100	0.00273	mg/L	09.14.18 07:20		1

Certificate of Analytical Results

599078

ARCADIS, Midland, TX

Chevron N. Eunice

Sample Id: **MW019A-W-180913** Matrix: Water Sample Depth:

Lab Sample Id: 599078-005 Date Collected: 09.13.18 14.09 Date Received: 09.13.18 19.00

Analytical Method: TDS by SM2540C Prep Method:

Analyst: OJS % Moist: Tech: OJS

Seq Number: 3063565 Date Prep:

Prep seq:

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Total Dissolved Solids	1642222	**1170**	5.00	5.00	mg/L	09.15.18 12:00		1

Analytical Method: Chloride by EPA 300 Prep Method: E300P

Analyst: SCM % Moist: Tech: CHE

Seq Number: 3063721 Date Prep: 09.18.18 13.15

Prep seq: 7662536

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Chloride	16887-00-6	**291**	5.00	0.858	mg/L	09.18.18 19:48		10

Analytical Method: Dissolved Metals by SW6020A Prep Method: 3010A

Analyst: DEP % Moist: Tech: AHI

Seq Number: 3063675 Date Prep: 09.18.18 09.00

Subcontractor: SUB: T104704215-18-28 Prep seq: 7662476

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Arsenic	7440-38-2	**0.0116**	0.0200	0.00123	mg/L	09.19.18 17:26	J	5
Chromium	7440-47-3	<0.00262	0.0200	0.00262	mg/L	09.19.18 17:26	U	5
Iron	7439-89-6	<0.114	0.500	0.114	mg/L	09.19.18 17:26	U	5
Manganese	7439-96-5	**0.0118**	0.0100	0.000993	mg/L	09.19.18 17:26		5

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

Analyst: OJS % Moist: Tech: OJS

Seq Number: 3063189 Date Prep:

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	09.14.18 07:20	U	1

Certificate of Analytical Results

599078

ARCADIS, Midland, TX

Chevron N. Eunice

Sample Id: **MW018-W-180913** Matrix: Water Sample Depth:

Lab Sample Id: 599078-006 Date Collected: 09.13.18 13.46 Date Received: 09.13.18 19.00

Analytical Method: TDS by SM2540C Prep Method:

Analyst: OJS % Moist: Tech: OJS

Seq Number: 3063565 Date Prep:

Prep seq:

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Total Dissolved Solids	1642222	**2210**	5.00	5.00	mg/L	09.15.18 12:00		1

Analytical Method: Chloride by EPA 300 Prep Method: E300P

Analyst: SCM % Moist: Tech: CHE

Seq Number: 3063721 Date Prep: 09.18.18 13.15

Prep seq: 7662536

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Chloride	16887-00-6	**528**	10.0	1.72	mg/L	09.18.18 19:58		20

Analytical Method: Dissolved Metals by SW6020A Prep Method: 3010A

Analyst: DEP % Moist: Tech: AHI

Seq Number: 3063675 Date Prep: 09.18.18 09.00

Subcontractor: SUB: T104704215-18-28 Prep seq: 7662476

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Arsenic	7440-38-2	**0.00937**	0.0200	0.00123	mg/L	09.19.18 17:29	J	5
Chromium	7440-47-3	<0.00262	0.0200	0.00262	mg/L	09.19.18 17:29	U	5
Iron	7439-89-6	<0.114	0.500	0.114	mg/L	09.19.18 17:29	U	5
Manganese	7439-96-5	**0.00220**	0.0100	0.000993	mg/L	09.19.18 17:29	J	5

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

Analyst: OJS % Moist: Tech: OJS

Seq Number: 3063189 Date Prep:

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	09.14.18 07:20	U	1

Certificate of Analytical Results

599078

ARCADIS, Midland, TX

Chevron N. Eunice

Sample Id: **MW020A-W-180913** Matrix: Water Sample Depth:

Lab Sample Id: 599078-007 Date Collected: 09.13.18 14.00 Date Received: 09.13.18 19.00

Analytical Method: TDS by SM2540C Prep Method:

Analyst: OJS % Moist: Tech: OJS

Seq Number: 3063565 Date Prep:

Prep seq:

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Total Dissolved Solids	1642222	**2370**	5.00	5.00	mg/L	09.15.18 12:00		1

Analytical Method: Chloride by EPA 300 Prep Method: E300P

Analyst: SCM % Moist: Tech: CHE

Seq Number: 3063721 Date Prep: 09.18.18 13.15

Prep seq: 7662536

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Chloride	16887-00-6	**961**	10.0	1.72	mg/L	09.18.18 20:09		20

Analytical Method: Dissolved Metals by SW6020A Prep Method: 3010A

Analyst: DEP % Moist: Tech: AHI

Seq Number: 3063675 Date Prep: 09.18.18 09.00

Subcontractor: SUB: T104704215-18-28 Prep seq: 7662476

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Arsenic	7440-38-2	**0.0112**	0.0200	0.00123	mg/L	09.19.18 17:32	J	5
Chromium	7440-47-3	**0.00675**	0.0200	0.00262	mg/L	09.19.18 17:32	J	5
Iron	7439-89-6	<0.114	0.500	0.114	mg/L	09.19.18 17:32	U	5
Manganese	7439-96-5	**0.00217**	0.0100	0.000993	mg/L	09.19.18 17:32	J	5

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

Analyst: OJS % Moist: Tech: OJS

Seq Number: 3063189 Date Prep:

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	09.14.18 07:20	U	1

Certificate of Analytical Results
599078
ARCADIS, Midland, TX
Chevron N. Eunice

Sample Id: **MW099-W-180913** Matrix: Water Sample Depth:

Lab Sample Id: 599078-008 Date Collected: 09.13.18 13.21 Date Received: 09.13.18 19.00

Analytical Method: TDS by SM2540C Prep Method:

Analyst: OJS % Moist: Tech: OJS

Seq Number: 3063565 Date Prep:

Prep seq:

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Total Dissolved Solids	1642222	**496**	5.00	5.00	mg/L	09.15.18 12:00		1

Analytical Method: Chloride by EPA 300 Prep Method: E300P

Analyst: SCM % Moist: Tech: CHE

Seq Number: 3063721 Date Prep: 09.18.18 13.15

Prep seq: 7662536

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Chloride	16887-00-6	**64.6**	2.50	0.429	mg/L	09.18.18 20:19		5

Analytical Method: Dissolved Metals by SW6020A Prep Method: 3010A

Analyst: DEP % Moist: Tech: AHI

Seq Number: 3063675 Date Prep: 09.18.18 09.00

Subcontractor: SUB: T104704215-18-28 Prep seq: 7662476

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Arsenic	7440-38-2	**0.00898**	0.0200	0.00123	mg/L	09.19.18 17:36	J	5
Chromium	7440-47-3	<0.00262	0.0200	0.00262	mg/L	09.19.18 17:36	U	5
Iron	7439-89-6	<0.114	0.500	0.114	mg/L	09.19.18 17:36	U	5
Manganese	7439-96-5	**0.219**	0.0100	0.000993	mg/L	09.19.18 17:36		5

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

Analyst: OJS % Moist: Tech: OJS

Seq Number: 3063189 Date Prep:

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	09.14.18 07:20	U	1

Certificate of Analytical Results

599078

ARCADIS, Midland, TX

Chevron N. Eunice

Sample Id: **MW015A-W-180913** Matrix: Water Sample Depth:

Lab Sample Id: 599078-009 Date Collected: 09.13.18 12.49 Date Received: 09.13.18 19.00

Analytical Method: TDS by SM2540C Prep Method:

Analyst: OJS % Moist: Tech: OJS

Seq Number: 3063565 Date Prep:

Prep seq:

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Total Dissolved Solids	1642222	**9850**	5.00	5.00	mg/L	09.15.18 12:00		1

Analytical Method: Chloride by EPA 300 Prep Method: E300P

Analyst: SCM % Moist: Tech: CHE

Seq Number: 3063721 Date Prep: 09.18.18 13.15

Prep seq: 7662536

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Chloride	16887-00-6	**5950**	25.0	4.29	mg/L	09.18.18 20:29		50

Analytical Method: Dissolved Metals by SW6020A Prep Method: 3010A

Analyst: DEP % Moist: Tech: AHI

Seq Number: 3063675 Date Prep: 09.18.18 09.00

Subcontractor: SUB: T104704215-18-28 Prep seq: 7662476

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Arsenic	7440-38-2	**0.00882**	0.0200	0.00123	mg/L	09.19.18 17:39	J	5
Chromium	7440-47-3	**0.00534**	0.0200	0.00262	mg/L	09.19.18 17:39	J	5
Iron	7439-89-6	**0.164**	0.500	0.114	mg/L	09.19.18 17:39	J	5
Manganese	7439-96-5	**0.0197**	0.0100	0.000993	mg/L	09.19.18 17:39		5

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

Analyst: OJS % Moist: Tech: OJS

Seq Number: 3063189 Date Prep:

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	09.14.18 07:20	U	1

Certificate of Analytical Results

599078

ARCADIS, Midland, TX

Chevron N. Eunice

Sample Id: **MW026-W-180913** Matrix: Water Sample Depth:

Lab Sample Id: 599078-010 Date Collected: 09.13.18 12.39 Date Received: 09.13.18 19.00

Analytical Method: TDS by SM2540C Prep Method:

Analyst: OJS % Moist: Tech: OJS

Seq Number: 3063565 Date Prep:

Prep seq:

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Total Dissolved Solids	1642222	**860**	5.00	5.00	mg/L	09.15.18 12:00		1

Analytical Method: Chloride by EPA 300 Prep Method: E300P

Analyst: SCM % Moist: Tech: CHE

Seq Number: 3063721 Date Prep: 09.18.18 13.15

Prep seq: 7662536

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Chloride	16887-00-6	**129**	2.50	0.429	mg/L	09.18.18 21:11		5

Analytical Method: Dissolved Metals by SW6020A Prep Method: 3010A

Analyst: DEP % Moist: Tech: AHI

Seq Number: 3063675 Date Prep: 09.18.18 09.00

Subcontractor: SUB: T104704215-18-28 Prep seq: 7662476

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Arsenic	7440-38-2	**0.00774**	0.0200	0.00123	mg/L	09.19.18 17:42	J	5
Chromium	7440-47-3	<0.00262	0.0200	0.00262	mg/L	09.19.18 17:42	U	5
Iron	7439-89-6	<0.114	0.500	0.114	mg/L	09.19.18 17:42	U	5
Manganese	7439-96-5	**0.00160**	0.0100	0.000993	mg/L	09.19.18 17:42	J	5

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

Analyst: OJS % Moist: Tech: OJS

Seq Number: 3063189 Date Prep:

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	09.14.18 07:20	U	1

Certificate of Analytical Results

599078

ARCADIS, Midland, TX

Chevron N. Eunice

Sample Id: **MW027-W-180913** Matrix: Water Sample Depth:

Lab Sample Id: 599078-011 Date Collected: 09.13.18 12.28 Date Received: 09.13.18 19.00

Analytical Method: TDS by SM2540C Prep Method:

Analyst: OJS % Moist: Tech: OJS

Seq Number: 3063565 Date Prep:

Prep seq:

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Total Dissolved Solids	1642222	**1600**	5.00	5.00	mg/L	09.15.18 12:00		1

Analytical Method: Chloride by EPA 300 Prep Method: E300P

Analyst: SCM % Moist: Tech: CHE

Seq Number: 3063721 Date Prep: 09.18.18 13.15

Prep seq: 7662536

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Chloride	16887-00-6	**355**	5.00	0.858	mg/L	09.18.18 21:21		10

Analytical Method: Dissolved Metals by SW6020A Prep Method: 3010A

Analyst: DEP % Moist: Tech: AHI

Seq Number: 3063675 Date Prep: 09.18.18 09.00

Subcontractor: SUB: T104704215-18-28 Prep seq: 7662476

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Arsenic	7440-38-2	**0.00682**	0.0200	0.00123	mg/L	09.19.18 17:45	J	5
Chromium	7440-47-3	<0.00262	0.0200	0.00262	mg/L	09.19.18 17:45	U	5
Iron	7439-89-6	<0.114	0.500	0.114	mg/L	09.19.18 17:45	U	5
Manganese	7439-96-5	**0.00133**	0.0100	0.000993	mg/L	09.19.18 17:45	J	5

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

Analyst: OJS % Moist: Tech: OJS

Seq Number: 3063195 Date Prep:

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	09.14.18 08:15	U	1

Certificate of Analytical Results

599078

ARCADIS, Midland, TX

Chevron N. Eunice

Sample Id: **MW032-W-180913** Matrix: Water Sample Depth:

Lab Sample Id: 599078-012 Date Collected: 09.13.18 12.19 Date Received: 09.13.18 19.00

Analytical Method: TDS by SM2540C Prep Method:

Analyst: OJS % Moist: Tech: OJS

Seq Number: 3063565 Date Prep:

Prep seq:

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Total Dissolved Solids	1642222	**1190**	5.00	5.00	mg/L	09.15.18 12:00		1

Analytical Method: Chloride by EPA 300 Prep Method: E300P

Analyst: SCM % Moist: Tech: CHE

Seq Number: 3063721 Date Prep: 09.18.18 13.15

Prep seq: 7662536

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Chloride	16887-00-6	**309**	5.00	0.858	mg/L	09.18.18 21:52		10

Analytical Method: Dissolved Metals by SW6020A Prep Method: 3010A

Analyst: DEP % Moist: Tech: AHI

Seq Number: 3063675 Date Prep: 09.18.18 09.00

Subcontractor: SUB: T104704215-18-28 Prep seq: 7662476

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Arsenic	7440-38-2	**0.00389**	0.0200	0.00123	mg/L	09.19.18 17:58	J	5
Chromium	7440-47-3	<0.00262	0.0200	0.00262	mg/L	09.19.18 17:58	U	5
Iron	7439-89-6	<0.114	0.500	0.114	mg/L	09.19.18 17:58	U	5
Manganese	7439-96-5	**0.00249**	0.0100	0.000993	mg/L	09.19.18 17:58	J	5

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

Analyst: OJS % Moist: Tech: OJS

Seq Number: 3063195 Date Prep:

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	09.14.18 08:15	U	1

Certificate of Analytical Results
599078
ARCADIS, Midland, TX
Chevron N. Eunice

Sample Id: **MW068-W-180913** Matrix: Water Sample Depth:

Lab Sample Id: 599078-013 Date Collected: 09.13.18 11.44 Date Received: 09.13.18 19.00

Analytical Method: TDS by SM2540C Prep Method:

Analyst: OJS % Moist: Tech: OJS

Seq Number: 3063565 Date Prep:

Prep seq:

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Total Dissolved Solids	1642222	**18000**	5.00	5.00	mg/L	09.15.18 12:00		1

Analytical Method: Chloride by EPA 300 Prep Method: E300P

Analyst: SCM % Moist: Tech: CHE

Seq Number: 3063721 Date Prep: 09.18.18 13.15

Prep seq: 7662536

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Chloride	16887-00-6	**11700**	50.0	8.58	mg/L	09.18.18 22:03		100

Analytical Method: Dissolved Metals by SW6020A Prep Method: 3010A

Analyst: DEP % Moist: Tech: AHI

Seq Number: 3063675 Date Prep: 09.18.18 09.00

Subcontractor: SUB: T104704215-18-28 Prep seq: 7662476

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Arsenic	7440-38-2	**0.0180**	0.0200	0.00123	mg/L	09.19.18 18:01	J	5
Chromium	7440-47-3	<0.00262	0.0200	0.00262	mg/L	09.19.18 18:01	U	5
Iron	7439-89-6	**0.345**	0.500	0.114	mg/L	09.19.18 18:01	J	5
Manganese	7439-96-5	**2.37**	0.0100	0.000993	mg/L	09.19.18 18:01		5

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

Analyst: OJS % Moist: Tech: OJS

Seq Number: 3063195 Date Prep:

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	09.14.18 08:15	U	1

Certificate of Analytical Results

599078

ARCADIS, Midland, TX

Chevron N. Eunice

Sample Id: **MW061-W-180913** Matrix: Water Sample Depth:

Lab Sample Id: 599078-014 Date Collected: 09.13.18 11.32 Date Received: 09.13.18 19.00

Analytical Method: TDS by SM2540C Prep Method:

Analyst: OJS % Moist: Tech: OJS

Seq Number: 3063565 Date Prep:

Prep seq:

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Total Dissolved Solids	1642222	**3830**	5.00	5.00	mg/L	09.15.18 12:00		1

Analytical Method: Chloride by EPA 300 Prep Method: E300P

Analyst: SCM % Moist: Tech: CHE

Seq Number: 3063721 Date Prep: 09.18.18 13.15

Prep seq: 7662536

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Chloride	16887-00-6	**1060**	25.0	4.29	mg/L	09.18.18 22:13		50

Analytical Method: Dissolved Metals by SW6020A Prep Method: 3010A

Analyst: DEP % Moist: Tech: AHI

Seq Number: 3063675 Date Prep: 09.18.18 09.00

Subcontractor: SUB: T104704215-18-28 Prep seq: 7662476

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Arsenic	7440-38-2	**0.0120**	0.0200	0.00123	mg/L	09.19.18 18:04	J	5
Chromium	7440-47-3	**1.56**	0.0200	0.00262	mg/L	09.19.18 18:04		5
Iron	7439-89-6	<0.114	0.500	0.114	mg/L	09.19.18 18:04	U	5
Manganese	7439-96-5	**0.0360**	0.0100	0.000993	mg/L	09.19.18 18:04		5

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

Analyst: OJS % Moist: Tech: OJS

Seq Number: 3063195 Date Prep:

Prep seq:

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Chromium, Hexavalent	18540-29-9	**1.44**	0.0500	0.0136	mg/L	09.14.18 08:15		5

Certificate of Analytical Results

599078

ARCADIS, Midland, TX

Chevron N. Eunice

Sample Id: **MW095-W-180913** Matrix: Water Sample Depth:

Lab Sample Id: 599078-015 Date Collected: 09.13.18 11.17 Date Received: 09.13.18 19.00

Analytical Method: TDS by SM2540C Prep Method:

Analyst: OJS % Moist: Tech: OJS

Seq Number: 3063565 Date Prep:

Prep seq:

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Total Dissolved Solids	1642222	**3650**	5.00	5.00	mg/L	09.15.18 12:00		1

Analytical Method: Chloride by EPA 300 Prep Method: E300P

Analyst: SCM % Moist: Tech: CHE

Seq Number: 3063721 Date Prep: 09.18.18 13.15

Prep seq: 7662536

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Chloride	16887-00-6	**1380**	25.0	4.29	mg/L	09.18.18 22:23		50

Analytical Method: Dissolved Metals by SW6020A Prep Method: 3010A

Analyst: DEP % Moist: Tech: AHI

Seq Number: 3063675 Date Prep: 09.18.18 09.00

Subcontractor: SUB: T104704215-18-28 Prep seq: 7662476

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Arsenic	7440-38-2	**0.00984**	0.0200	0.00123	mg/L	09.19.18 18:08	J	5
Chromium	7440-47-3	**3.93**	0.0200	0.00262	mg/L	09.19.18 18:08		5
Iron	7439-89-6	<0.114	0.500	0.114	mg/L	09.19.18 18:08	U	5
Manganese	7439-96-5	**0.140**	0.0100	0.000993	mg/L	09.19.18 18:08		5

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

Analyst: OJS % Moist: Tech: OJS

Seq Number: 3063195 Date Prep:

Prep seq:

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Chromium, Hexavalent	18540-29-9	**3.62**	0.200	0.0545	mg/L	09.14.18 08:15		20

Certificate of Analytical Results

599078

ARCADIS, Midland, TX

Chevron N. Eunice

Sample Id: **MW030-W-180913** Matrix: Water Sample Depth:

Lab Sample Id: 599078-016 Date Collected: 09.13.18 09.58 Date Received: 09.13.18 19.00

Analytical Method: TDS by SM2540C Prep Method:

Analyst: OJS % Moist: Tech: OJS

Seq Number: 3063565 Date Prep:

Prep seq:

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Total Dissolved Solids	1642222	**726**	5.00	5.00	mg/L	09.15.18 12:00		1

Analytical Method: Chloride by EPA 300 Prep Method: E300P

Analyst: SCM % Moist: Tech: CHE

Seq Number: 3063721 Date Prep: 09.18.18 13.15

Prep seq: 7662536

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Chloride	16887-00-6	**245**	2.50	0.429	mg/L	09.18.18 22:34		5

Analytical Method: Dissolved Metals by SW6020A Prep Method: 3010A

Analyst: DEP % Moist: Tech: AHI

Seq Number: 3063675 Date Prep: 09.18.18 09.00

Subcontractor: SUB: T104704215-18-28 Prep seq: 7662476

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Arsenic	7440-38-2	**0.0189**	0.0200	0.00123	mg/L	09.19.18 18:11	J	5
Chromium	7440-47-3	<0.00262	0.0200	0.00262	mg/L	09.19.18 18:11	U	5
Iron	7439-89-6	<0.114	0.500	0.114	mg/L	09.19.18 18:11	U	5
Manganese	7439-96-5	**0.00159**	0.0100	0.000993	mg/L	09.19.18 18:11	J	5

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

Analyst: OJS % Moist: Tech: OJS

Seq Number: 3063195 Date Prep:

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	09.14.18 08:15	U	1

Certificate of Analytical Results

599078

ARCADIS, Midland, TX

Chevron N. Eunice

Sample Id: **MW031-W-180913** Matrix: Water Sample Depth:

Lab Sample Id: 599078-017 Date Collected: 09.13.18 10.30 Date Received: 09.13.18 19.00

Analytical Method: TDS by SM2540C Prep Method:

Analyst: OJS % Moist: Tech: OJS

Seq Number: 3063565 Date Prep:

Prep seq:

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Total Dissolved Solids	1642222	**832**	5.00	5.00	mg/L	09.15.18 12:00		1

Analytical Method: Chloride by EPA 300 Prep Method: E300P

Analyst: SCM % Moist: Tech: CHE

Seq Number: 3063721 Date Prep: 09.18.18 13.15

Prep seq: 7662536

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Chloride	16887-00-6	**233**	5.00	0.858	mg/L	09.18.18 22:44		10

Analytical Method: Dissolved Metals by SW6020A Prep Method: 3010A

Analyst: DEP % Moist: Tech: AHI

Seq Number: 3063675 Date Prep: 09.18.18 09.00

Subcontractor: SUB: T104704215-18-28 Prep seq: 7662476

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Arsenic	7440-38-2	**0.102**	0.0200	0.00123	mg/L	09.19.18 18:14		5
Chromium	7440-47-3	<0.00262	0.0200	0.00262	mg/L	09.19.18 18:14	U	5
Iron	7439-89-6	**4.17**	0.500	0.114	mg/L	09.19.18 18:14		5
Manganese	7439-96-5	**1.02**	0.0100	0.000993	mg/L	09.19.18 18:14		5

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

Analyst: OJS % Moist: Tech: OJS

Seq Number: 3063195 Date Prep:

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	09.14.18 08:15	U	1

Certificate of Analytical Results
599078
ARCADIS, Midland, TX
Chevron N. Eunice

Sample Id: **MW060-W-180913** Matrix: Water Sample Depth:

Lab Sample Id: ~~599078-018~~ Date Collected: 09.13.18 11.03 Date Received: 09.13.18 19.00

Analytical Method: TDS by SM2540C Prep Method:

Analyst: OJS % Moist: Tech: OJS

Seq Number: 3063565 Date Prep:

Prep seq:

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Total Dissolved Solids	1642222	**3470**	5.00	5.00	mg/L	09.15.18 12:00		1

Analytical Method: Chloride by EPA 300 Prep Method: E300P

Analyst: SCM % Moist: Tech: CHE

Seq Number: 3063721 Date Prep: 09.18.18 13.15

Prep seq: 7662536

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Chloride	16887-00-6	**1560**	25.0	4.29	mg/L	09.18.18 22:54		50

Analytical Method: Dissolved Metals by SW6020A Prep Method: 3010A

Analyst: DEP % Moist: Tech: AHI

Seq Number: 3063675 Date Prep: 09.18.18 09.00

Subcontractor: SUB: T104704215-18-28 Prep seq: 7662476

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Arsenic	7440-38-2	**0.00342**	0.0200	0.00123	mg/L	09.19.18 18:17	J	5
Chromium	7440-47-3	<0.00262	0.0200	0.00262	mg/L	09.19.18 18:17	U	5
Iron	7439-89-6	**0.765**	0.500	0.114	mg/L	09.19.18 18:17		5
Manganese	7439-96-5	**10.5**	0.100	0.00993	mg/L	11.08.18 14:12	~~D~~	50

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

Analyst: OJS % Moist: Tech: OJS

Seq Number: 3063195 Date Prep:

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	09.14.18 08:15	U	1

Certificate of Analytical Results

599078

ARCADIS, Midland, TX

Chevron N. Eunice

Sample Id: **MW059-W-180913** Matrix: Water Sample Depth:

Lab Sample Id: 599078-019 Date Collected: 09.13.18 10.10 Date Received: 09.13.18 19.00

Analytical Method: TDS by SM2540C Prep Method:

Analyst: OJS % Moist: Tech: OJS

Seq Number: 3063565 Date Prep:

Prep seq:

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Total Dissolved Solids	1642222	**3070**	5.00	5.00	mg/L	09.15.18 12:00		1

Analytical Method: Chloride by EPA 300 Prep Method: E300P

Analyst: SCM % Moist: Tech: SCM

Seq Number: 3063723 Date Prep: 09.18.18 15.00

Prep seq: 7662538

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Chloride	16887-00-6	**904**	25.0	4.29	mg/L	09.19.18 00:27		50

Analytical Method: Dissolved Metals by SW6020A Prep Method: 3010A

Analyst: DEP % Moist: Tech: AHI

Seq Number: 3063675 Date Prep: 09.18.18 09.00

Subcontractor: SUB: T104704215-18-28 Prep seq: 7662476

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Arsenic	7440-38-2	**0.0141**	0.0200	0.00123	mg/L	09.19.18 18:20	J	5
Chromium	7440-47-3	**0.556**	0.0200	0.00262	mg/L	09.19.18 18:20		5
Iron	7439-89-6	<0.114	0.500	0.114	mg/L	09.19.18 18:20	U	5
Manganese	7439-96-5	**0.00308**	0.0100	0.000993	mg/L	09.19.18 18:20	J	5

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

Analyst: OJS % Moist: Tech: OJS

Seq Number: 3063195 Date Prep:

Prep seq:

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Chromium, Hexavalent	18540-29-9	**0.469**	0.0500	0.0136	mg/L	09.14.18 08:15		5

Certificate of Analytical Results
599078
ARCADIS, Midland, TX
Chevron N. Eunice

Sample Id: **MW069-W-180913** Matrix: Water Sample Depth:

Lab Sample Id: 599078-020 Date Collected: 09.13.18 10.41 Date Received: 09.13.18 19.00

Analytical Method: TDS by SM2540C Prep Method:

Analyst: OJS % Moist: Tech: OJS

Seq Number: 3063565 Date Prep:

Prep seq:

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Total Dissolved Solids	1642222	**1990**	5.00	5.00	mg/L	09.15.18 12:00		1

Analytical Method: Chloride by EPA 300 Prep Method: E300P

Analyst: SCM % Moist: Tech: SCM

Seq Number: 3063723 Date Prep: 09.18.18 15.00

Prep seq: 7662538

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Chloride	16887-00-6	**804**	10.0	1.72	mg/L	09.19.18 00:38		20

Analytical Method: Dissolved Metals by SW6020A Prep Method: 3010A

Analyst: DEP % Moist: Tech: AHI

Seq Number: 3063644 Date Prep: 09.18.18 09.00

Subcontractor: SUB: T104704215-18-28 Prep seq: 7662477

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Arsenic	7440-38-2	**0.0149**	0.00400	0.000246	mg/L	09.18.18 18:26		1
Chromium	7440-47-3	<0.000525	0.00400	0.000525	mg/L	09.18.18 18:26	U	1
Iron	7439-89-6	**0.563**	0.100	0.0227	mg/L	09.18.18 18:26		1
Manganese	7439-96-5	**0.774**	0.00200	0.000199	mg/L	09.18.18 18:26		1

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

Analyst: OJS % Moist: Tech: OJS

Seq Number: 3063196 Date Prep:

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	09.14.18 09:00	U	1

Certificate of Analytical Results
599078
ARCADIS, Midland, TX
Chevron N. Eunice

Sample Id: **MW023-W-180913** Matrix: Water Sample Depth:

Lab Sample Id: 599078-021 Date Collected: 09.13.18 10.20 Date Received: 09.13.18 19.00

Analytical Method: TDS by SM2540C Prep Method:

Analyst: OJS % Moist: Tech: OJS

Seq Number: 3063679 Date Prep:

Prep seq:

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Total Dissolved Solids	1642222	**3160**	5.00	5.00	mg/L	09.17.18 16:00		1

Analytical Method: Chloride by EPA 300 Prep Method: E300P

Analyst: SCM % Moist: Tech: SCM

Seq Number: 3063723 Date Prep: 09.18.18 15.00

Prep seq: 7662538

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Chloride	16887-00-6	**785**	25.0	4.29	mg/L	09.19.18 00:48		50

Analytical Method: Dissolved Metals by SW6020A Prep Method: 3010A

Analyst: DEP % Moist: Tech: AHI

Seq Number: 3063644 Date Prep: 09.18.18 09.00

Subcontractor: SUB: T104704215-18-28 Prep seq: 7662477

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Arsenic	7440-38-2	**0.00933**	0.00400	0.000246	mg/L	09.18.18 18:54		1
Chromium	7440-47-3	**1.72**	0.00400	0.000525	mg/L	09.18.18 18:54		1
Iron	7439-89-6	<0.0227	0.100	0.0227	mg/L	09.18.18 18:54	U	1
Manganese	7439-96-5	<0.000199	0.00200	0.000199	mg/L	09.18.18 18:54	U	1

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

Analyst: OJS % Moist: Tech: OJS

Seq Number: 3063195 Date Prep:

Prep seq:

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Chromium, Hexavalent	18540-29-9	**1.43**	0.0500	0.0136	mg/L	09.14.18 08:15		5

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ARCADIS

ID#:

CHAIN OF CUSTODY & LABORATORY ANALYSIS REQUEST FORM

Page 1 of 1

Lab Work Order #: 599188

Send Results to:

Contact & Company Name: Brett Krehbiel Arcadis
Telephone: 916-786-0320
Address: 101 Creekside Ridge Court, Suite 200
Fax: 916-786-0366
City: Roseville State: CA Zip: 95678
E-mail Address: brett.krehbiel@arcadis.com
Project Name/Location (City, State): Chevron N. Eunice
Project #: B0048789.0004
Sampler's Printed Name: Jerry Montgomery
Sampler's Signature:

Sample ID	Collection Date	Collection Time	Type (✓) Comp	Type (✓) Grab	Matrix	Preservative	B	B	C	E	E		
						Filtered (✓)			✓	✓			
						# of Containers							
						Container Information	1	1	3	4	4		
						PARAMETER ANALYSIS & METHOD	BTEX 8021B	TPH GRO & DRO 8015B	Dissolved As, Mn, Fe, Cr 6010B	Dissolved Hex Chromium 7196	Chloride & TDS		
MW07A-W-180914	9/14/18	0946		X	W				1	1	1		
MW011A-W-180914	9/14/18	1014		X	W				1	1	1		
MW002A-W-180914	9/14/18	1034		X	W				1	1	1		
DUP-1-W-180914	9/14/18	—		X	W				1	1	1		
MW01EA-W-180914	9/14/18	1113		X	W				1	1	1		
MW047-W-180914	9/14/18	0957		X	W				1	1	1		
MW008M-W-180914	9/14/18	0959		X	W				1	1	1		
MW095A-W-180914	9/14/18	0926		X	W				1	1	1		
MW004A-W-180914	9/14/18	0917		X	W				1	1	1		
DUP2-W-180914	9/14/18	—		X	W				1	1	1		
EW023-W-180914	9/14/18	0850		X	W				1	1	1		
MW035A-W-180914	9/14/18	0904		X	W				1	1	1		

Keys

Preservation Key:
A. H_2SO_4
B. HCL
C. HNO_3
D. NaOH
E. None
F. Other: _____
G. Other: _____
H. Other: _____

Container Information Key:
1. 40 ml Vial
2. 1 L Amber
3. 250 ml Plastic
4. 500 ml Plastic
5. Encore
6. 2 oz. Glass
7. 4 oz. Glass
8. 8 oz. Glass
9. Other: _____
10. Other: _____

Matrix Key:
SO - Soil
SE - Sediment
NL - NAPL/Oil
W - Water
SL - Sludge
SW - Sample Wipe
T - Tissue
A - Air
Other: _____

REMARKS

Special Instructions/Comments:

☐ Special QA/QC Instructions(✓):

Temp. 5.3 R8 0.0

Laboratory Information and Receipt		Relinquished By	Received By	Relinquished By	Laboratory Received By
Lab Name: Xenco	Cooler Custody Seal (✓) ☐ Intact ☐ Not Intact	Printed Name: Jerry Montgomery	Printed Name: Shawnee Gomez	Printed Name:	Printed Name:
☒ Cooler packed with ice (✓)		Signature:	Signature: Shawnee Gomez	Signature:	Signature:
Specify Turnaround Requirements: Standard TAT	Sample Receipt:	Firm: Arcadis	Firm/Courier: Xenco	Firm/Courier:	Firm:
Shipping Tracking #:	Condition/Cooler Temp: _____	Date/Time: 09/14/18 1514	Date/Time: 9.14.18 15:14	Date/Time:	Date/Time:

20730828 CofC AR Form 08.27.2015

Distribution: WHITE – Laboratory returns with results YELLOW – Lab copy PINK – Retained by Arcadis

Received by OCD: 3/25/2020 3:45:40 PM
Released to Imaging: 6/14/2022 10:44:20 AM
Final 1.002
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Certificate of Analytical Results

599188

ARCADIS, Midland, TX

Chevron N. Eunice

Sample Id: **MW007A-W-180914** Matrix: Water Sample Depth:

Lab Sample Id: 599188-001 Date Collected: 09.14.18 09.46 Date Received: 09.14.18 15.14

Analytical Method: TDS by SM2540C Prep Method:

Analyst: OJS % Moist: Tech: OJS

Seq Number: 3063679 Date Prep:

Prep seq:

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Total Dissolved Solids	1642222	**3040**	5.00	5.00	mg/L	09.17.18 16:00		1

Analytical Method: Chloride by EPA 300 Prep Method: E300P

Analyst: SCM % Moist: Tech: SCM

Seq Number: 3063723 Date Prep: 09.18.18 15.00

Prep seq: 7662538

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Chloride	16887-00-6	**801**	10.0	1.72	mg/L	09.19.18 01:29		20

Analytical Method: Dissolved Metals by SW6020A Prep Method: 3010A

Analyst: DEP % Moist: Tech: AHI

Seq Number: 3063644 Date Prep: 09.18.18 09.00

Subcontractor: SUB: T104704215-18-28 Prep seq: 7662477

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Arsenic	7440-38-2	**0.0115**	0.00400	0.000246	mg/L	09.18.18 18:58		1
Chromium	7440-47-3	**0.763**	0.00400	0.000525	mg/L	09.18.18 18:58		1
Iron	7439-89-6	<0.0227	0.100	0.0227	mg/L	09.18.18 18:58	U	1
Manganese	7439-96-5	**0.000655**	0.00200	0.000199	mg/L	09.18.18 18:58	J	1

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

Analyst: OJS % Moist: Tech: OJS

Seq Number: 3063196 Date Prep:

Prep seq:

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Chromium, Hexavalent	18540-29-9	**0.670**	0.0500	0.0136	mg/L	09.14.18 16:00		5

Certificate of Analytical Results
599188
ARCADIS, Midland, TX
Chevron N. Eunice

Sample Id: **MW011A-W-180914** Matrix: Water Sample Depth:

Lab Sample Id: 599188-002 Date Collected: 09.14.18 12.53 Date Received: 09.14.18 15.14

Analytical Method: TDS by SM2540C Prep Method:

Analyst: OJS % Moist: Tech: OJS

Seq Number: 3063679 Date Prep:

Prep seq:

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Total Dissolved Solids	1642222	**2160**	5.00	5.00	mg/L	09.17.18 16:00		1

Analytical Method: Dissolved Metals by SW6020A Prep Method: 3010A

Analyst: DEP % Moist: Tech: AHI

Seq Number: 3063644 Date Prep: 09.18.18 09.00

Subcontractor: SUB: T104704215-18-28 Prep seq: 7662477

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Arsenic	7440-38-2	**0.0142**	0.00400	0.000246	mg/L	09.18.18 19:01		1
Chromium	7440-47-3	**0.291**	0.00400	0.000525	mg/L	09.18.18 19:01		1
Iron	7439-89-6	<0.0227	0.100	0.0227	mg/L	09.18.18 19:01	U	1
Manganese	7439-96-5	**0.193**	0.00200	0.000199	mg/L	09.18.18 19:01		1

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

Analyst: OJS % Moist: Tech: OJS

Seq Number: 3063196 Date Prep:

Prep seq:

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Chromium, Hexavalent	18540-29-9	**0.242**	0.0100	0.00273	mg/L	09.14.18 16:00		1

Sample Id: **MW011A-W-180914** Matrix: Water Sample Depth:

Lab Sample Id: 599188-002 Date Collected: 09.14.18 12.53 Date Received: 09.14.18 15.14

Analytical Method: Chloride by EPA 300 Prep Method: E300P

Analyst: SCM % Moist: Tech: SCM

Seq Number: 3063723 Date Prep: 09.18.18 15.00

Prep seq: 7662538

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Chloride	16887-00-6	**646**	10.0	1.72	mg/L	09.19.18 01:40		20

Certificate of Analytical Results
599188
ARCADIS, Midland, TX
Chevron N. Eunice

Sample Id: **MW002A-W-180914** Matrix: Water Sample Depth:

Lab Sample Id: 599188-003 Date Collected: 09.14.18 09.46 Date Received: 09.14.18 15.14

Analytical Method: TDS by SM2540C Prep Method:

Analyst: OJS % Moist: Tech: OJS

Seq Number: 3063679 Date Prep:

Prep seq:

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Total Dissolved Solids	1642222	**3330**	5.00	5.00	mg/L	09.17.18 16:00		1

Analytical Method: Chloride by EPA 300 Prep Method: E300P

Analyst: SCM % Moist: Tech: SCM

Seq Number: 3063723 Date Prep: 09.18.18 15.00

Prep seq: 7662538

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Chloride	16887-00-6	**1610**	25.0	4.29	mg/L	09.19.18 01:50		50

Analytical Method: Dissolved Metals by SW6020A Prep Method: 3010A

Analyst: DEP % Moist: Tech: AHI

Seq Number: 3063644 Date Prep: 09.18.18 09.00

Subcontractor: SUB: T104704215-18-28 Prep seq: 7662477

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Arsenic	7440-38-2	**0.0195**	0.00400	0.000246	mg/L	09.18.18 19:04		1
Chromium	7440-47-3	**0.963**	0.00400	0.000525	mg/L	09.18.18 19:04		1
Iron	7439-89-6	<0.0227	0.100	0.0227	mg/L	09.18.18 19:04	U	1
Manganese	7439-96-5	**0.0193**	0.00200	0.000199	mg/L	09.18.18 19:04		1

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

Analyst: OJS % Moist: Tech: OJS

Seq Number: 3063196 Date Prep:

Prep seq:

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Chromium, Hexavalent	18540-29-9	**0.796**	0.0500	0.0136	mg/L	09.14.18 16:00		5

Certificate of Analytical Results
599188
ARCADIS, Midland, TX
Chevron N. Eunice

Sample Id: **DUP01-W-180914** Matrix: Water Sample Depth:

Lab Sample Id: 599188-004 Date Collected: 09.14.18 10.18 Date Received: 09.14.18 15.14

Analytical Method: Dissolved Metals by SW6020A Prep Method: 3010A

Analyst: DEP % Moist: Tech: AHI

Seq Number: 3063644 Date Prep: 09.18.18 09.00

Subcontractor: SUB: T104704215-18-28 Prep seq: 7662477

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Arsenic	7440-38-2	**0.0136**	0.00400	0.000246	mg/L	09.18.18 19:07		1
Chromium	7440-47-3	**0.277**	0.00400	0.000525	mg/L	09.18.18 19:07		1
Iron	7439-89-6	<0.0227	0.100	0.0227	mg/L	09.18.18 19:07	U	1
Manganese	7439-96-5	**0.187**	0.00200	0.000199	mg/L	09.18.18 19:07		1

Sample Id: **DUP01-W-180914** Matrix: Water Sample Depth:

Lab Sample Id: 599188-004 Date Collected: 09.14.18 10.18 Date Received: 09.14.18 15.14

Analytical Method: TDS by SM2540C Prep Method:

Analyst: OJS % Moist: Tech: OJS

Seq Number: 3063679 Date Prep:

Prep seq:

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Total Dissolved Solids	1642222	**2080**	5.00	5.00	mg/L	09.17.18 16:00		1

Analytical Method: Chloride by EPA 300 Prep Method: E300P

Analyst: SCM % Moist: Tech: SCM

Seq Number: 3063723 Date Prep: 09.18.18 15.00

Prep seq: 7662538

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Chloride	16887-00-6	**576**	10.0	1.72	mg/L	09.19.18 02:00		20

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

Analyst: OJS % Moist: Tech: OJS

Seq Number: 3063196 Date Prep:

Prep seq:

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Chromium, Hexavalent	18540-29-9	**0.239**	0.0100	0.00273	mg/L	09.14.18 16:00		1

Certificate of Analytical Results
599188
ARCADIS, Midland, TX
Chevron N. Eunice

Sample Id: **MW016A-W-180914** Matrix: Water Sample Depth:

Lab Sample Id: 599188-005 Date Collected: 09.14.18 10.34 Date Received: 09.14.18 15.14

Analytical Method: TDS by SM2540C Prep Method:

Analyst: OJS % Moist: Tech: OJS

Seq Number: 3063679 Date Prep:

Prep seq:

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Total Dissolved Solids	1642222	**1290**	5.00	5.00	mg/L	09.17.18 16:00		1

Analytical Method: Chloride by EPA 300 Prep Method: E300P

Analyst: SCM % Moist: Tech: SCM

Seq Number: 3063723 Date Prep: 09.18.18 15.00

Prep seq: 7662538

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Chloride	16887-00-6	**513**	5.00	0.858	mg/L	09.19.18 02:11		10

Analytical Method: Dissolved Metals by SW6020A Prep Method: 3010A

Analyst: DEP % Moist: Tech: AHI

Seq Number: 3063644 Date Prep: 09.18.18 09.00

Subcontractor: SUB: T104704215-18-28 Prep seq: 7662477

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Arsenic	7440-38-2	**0.00914**	0.00400	0.000246	mg/L	09.18.18 19:10		1
Chromium	7440-47-3	**0.00528**	0.00400	0.000525	mg/L	09.18.18 19:10		1
Iron	7439-89-6	<0.0227	0.100	0.0227	mg/L	09.18.18 19:10	U	1
Manganese	7439-96-5	<0.000199	0.00200	0.000199	mg/L	09.18.18 19:10	U	1

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

Analyst: OJS % Moist: Tech: OJS

Seq Number: 3063315 Date Prep:

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	09.14.18 16:00	U	1

Certificate of Analytical Results

599188

ARCADIS, Midland, TX

Chevron N. Eunice

Sample Id: **MW047-W-180914** Matrix: Water Sample Depth:

Lab Sample Id: 599188-006 Date Collected: 09.14.18 00.00 Date Received: 09.14.18 15.14

Analytical Method: TDS by SM2540C Prep Method:

Analyst: OJS % Moist: Tech: OJS

Seq Number: 3063679 Date Prep:

Prep seq:

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Total Dissolved Solids	1642222	**1950**	5.00	5.00	mg/L	09.17.18 16:00		1

Analytical Method: Chloride by EPA 300 Prep Method: E300P

Analyst: SCM % Moist: Tech: SCM

Seq Number: 3063723 Date Prep: 09.18.18 15.00

Prep seq: 7662538

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Chloride	16887-00-6	**276**	10.0	1.72	mg/L	09.19.18 02:52		20

Analytical Method: Dissolved Metals by SW6020A Prep Method: 3010A

Analyst: DEP % Moist: Tech: AHI

Seq Number: 3063644 Date Prep: 09.18.18 09.00

Subcontractor: SUB: T104704215-18-28 Prep seq: 7662477

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Arsenic	7440-38-2	**0.0120**	0.00400	0.000246	mg/L	09.19.18 17:55		1
Chromium	7440-47-3	**0.0600**	0.00400	0.000525	mg/L	09.19.18 17:55		1
Iron	7439-89-6	<0.0227	0.100	0.0227	mg/L	09.18.18 19:14	U	1
Manganese	7439-96-5	<0.000199	0.00200	0.000199	mg/L	09.18.18 19:14	U	1

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

Analyst: OJS % Moist: Tech: OJS

Seq Number: 3063315 Date Prep:

Prep seq:

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Chromium, Hexavalent	18540-29-9	**0.0507**	0.0100	0.00273	mg/L	09.14.18 16:00		1

Certificate of Analytical Results
599188
ARCADIS, Midland, TX
Chevron N. Eunice

Sample Id: **MW008M-W-180914** Matrix: Water Sample Depth:

Lab Sample Id: 599188-007 Date Collected: 09.14.18 11.13 Date Received: 09.14.18 15.14

Analytical Method: TDS by SM2540C Prep Method:

Analyst: OJS % Moist: Tech: OJS

Seq Number: 3063679 Date Prep:

Prep seq:

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Total Dissolved Solids	1642222	**4600**	5.00	5.00	mg/L	09.17.18 16:00		1

Analytical Method: Chloride by EPA 300 Prep Method: E300P

Analyst: SCM % Moist: Tech: SCM

Seq Number: 3063723 Date Prep: 09.18.18 15.00

Prep seq: 7662538

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Chloride	16887-00-6	**1350**	25.0	4.29	mg/L	09.19.18 03:03		50

Analytical Method: Dissolved Metals by SW6020A Prep Method: 3010A

Analyst: DEP % Moist: Tech: AHI

Seq Number: 3063644 Date Prep: 09.18.18 09.00

Subcontractor: SUB: T104704215-18-28 Prep seq: 7662477

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Arsenic	7440-38-2	**0.00312**	0.00400	0.000246	mg/L	09.18.18 19:17	J	1
Chromium	7440-47-3	**0.00775**	0.00400	0.000525	mg/L	09.18.18 19:17		1
Iron	7439-89-6	**40.4**	0.100	0.0227	mg/L	09.18.18 19:17		1
Manganese	7439-96-5	**3.08**	0.0400	0.00397	mg/L	11.08.18 14:09	D	20

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

Analyst: OJS % Moist: Tech: OJS

Seq Number: 3063196 Date Prep:

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	09.14.18 16:00	U	1

Certificate of Analytical Results
599188
ARCADIS, Midland, TX
Chevron N. Eunice

Sample Id: **MW089SA-W-180914** Matrix: Water Sample Depth:

Lab Sample Id: 599188-008 Date Collected: 09.14.18 09.32 Date Received: 09.14.18 15.14

Analytical Method: TDS by SM2540C Prep Method:

Analyst: OJS % Moist: Tech: OJS

Seq Number: 3063679 Date Prep:

Prep seq:

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Total Dissolved Solids	1642222	**3780**	5.00	5.00	mg/L	09.17.18 16:00		1

Analytical Method: Chloride by EPA 300 Prep Method: E300P

Analyst: SCM % Moist: Tech: SCM

Seq Number: 3063723 Date Prep: 09.18.18 15.00

Prep seq: 7662538

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Chloride	16887-00-6	**1040**	25.0	4.29	mg/L	09.19.18 08:22		50

Analytical Method: Dissolved Metals by SW6020A Prep Method: 3010A

Analyst: DEP % Moist: Tech: AHI

Seq Number: 3063644 Date Prep: 09.18.18 09.00

Subcontractor: SUB: T104704215-18-28 Prep seq: 7662477

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Arsenic	7440-38-2	**0.0109**	0.00400	0.000246	mg/L	09.18.18 19:26		1
Chromium	7440-47-3	**1.18**	0.00400	0.000525	mg/L	09.18.18 19:26		1
Iron	7439-89-6	<0.0227	0.100	0.0227	mg/L	09.18.18 19:26	U	1
Manganese	7439-96-5	**0.000448**	0.00200	0.000199	mg/L	09.18.18 19:26	J	1

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

Analyst: OJS % Moist: Tech: OJS

Seq Number: 3063315 Date Prep:

Prep seq:

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Chromium, Hexavalent	18540-29-9	**1.04**	0.0500	0.0136	mg/L	09.14.18 16:00		5

Certificate of Analytical Results

599188

ARCADIS, Midland, TX

Chevron N. Eunice

Sample Id: **MW004A-W-180914** Matrix: Water Sample Depth:

Lab Sample Id: 599188-009 Date Collected: 09.14.18 09.57 Date Received: 09.14.18 15.14

Analytical Method: TDS by SM2540C Prep Method:

Analyst: OJS % Moist: Tech: OJS

Seq Number: 3063679 Date Prep:

Prep seq:

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Total Dissolved Solids	1642222	**2230**	5.00	5.00	mg/L	09.17.18 16:00		1

Analytical Method: Chloride by EPA 300 Prep Method: E300P

Analyst: SCM % Moist: Tech: SCM

Seq Number: 3063723 Date Prep: 09.18.18 15.00

Prep seq: 7662538

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Chloride	16887-00-6	**632**	10.0	1.72	mg/L	09.19.18 08:32		20

Analytical Method: Dissolved Metals by SW6020A Prep Method: 3010A

Analyst: DEP % Moist: Tech: AHI

Seq Number: 3063644 Date Prep: 09.18.18 09.00

Subcontractor: SUB: T104704215-18-28 Prep seq: 7662477

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Arsenic	7440-38-2	**0.0158**	0.00400	0.000246	mg/L	09.18.18 19:30		1
Chromium	7440-47-3	**0.515**	0.00400	0.000525	mg/L	09.18.18 19:30		1
Iron	7439-89-6	<0.0227	0.100	0.0227	mg/L	09.18.18 19:30	U	1
Manganese	7439-96-5	**0.000320**	0.00200	0.000199	mg/L	09.18.18 19:30	J	1

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

Analyst: OJS % Moist: Tech: OJS

Seq Number: 3063315 Date Prep:

Prep seq:

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Chromium, Hexavalent	18540-29-9	**0.497**	0.0100	0.00273	mg/L	09.14.18 16:00		1

Certificate of Analytical Results
599188
ARCADIS, Midland, TX
Chevron N. Eunice

Sample Id: **DUP06-W-180914** Matrix: Water Sample Depth:

Lab Sample Id: 599188-010 Date Collected: 09.14.18 09.26 Date Received: 09.14.18 15.14

Analytical Method: Dissolved Metals by SW6020A Prep Method: 3010A

Analyst: DEP % Moist: Tech: AHI

Seq Number: 3063644 Date Prep: 09.18.18 09.00

Subcontractor: SUB: T104704215-18-28 Prep seq: 7662477

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Arsenic	7440-38-2	**0.0101**	0.00400	0.000246	mg/L	09.18.18 19:33		1
Chromium	7440-47-3	**0.383**	0.00400	0.000525	mg/L	09.18.18 19:33		1
Iron	7439-89-6	<0.0227	0.100	0.0227	mg/L	09.18.18 19:33	U	1
Manganese	7439-96-5	<0.000199	0.00200	0.000199	mg/L	09.18.18 19:33	U	1

Sample Id: **DUP06-W-180914** Matrix: Water Sample Depth:

Lab Sample Id: 599188-010 Date Collected: 09.14.18 09.26 Date Received: 09.14.18 15.14

Analytical Method: TDS by SM2540C Prep Method:

Analyst: OJS % Moist: Tech: OJS

Seq Number: 3063679 Date Prep:

Prep seq:

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Total Dissolved Solids	1642222	**2880**	5.00	5.00	mg/L	09.17.18 16:00		1

Analytical Method: Chloride by EPA 300 Prep Method: E300P

Analyst: SCM % Moist: Tech: SCM

Seq Number: 3063723 Date Prep: 09.18.18 15.00

Prep seq: 7662538

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Chloride	16887-00-6	**638**	10.0	1.72	mg/L	09.19.18 08:42		20

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

Analyst: OJS % Moist: Tech: OJS

Seq Number: 3063315 Date Prep:

Prep seq:

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Chromium, Hexavalent	18540-29-9	**0.269**	0.0100	0.00273	mg/L	09.14.18 16:00		1

Certificate of Analytical Results
599188
ARCADIS, Midland, TX
Chevron N. Eunice

Sample Id: **IW023-W-180914** Matrix: Water Sample Depth:

Lab Sample Id: 599188-011 Date Collected: 09.14.18 09.17 Date Received: 09.14.18 15.14

Analytical Method: TDS by SM2540C Prep Method:

Analyst: OJS % Moist: Tech: OJS

Seq Number: 3063679 Date Prep:

Prep seq:

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Total Dissolved Solids	1642222	**2790**	5.00	5.00	mg/L	09.17.18 16:00		1

Analytical Method: Chloride by EPA 300 Prep Method: E300P

Analyst: SCM % Moist: Tech: SCM

Seq Number: 3063723 Date Prep: 09.18.18 15.00

Prep seq: 7662538

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Chloride	16887-00-6	**645**	10.0	1.72	mg/L	09.19.18 08:53		20

Analytical Method: Dissolved Metals by SW6020A Prep Method: 3010A

Analyst: DEP % Moist: Tech: AHI

Seq Number: 3063644 Date Prep: 09.18.18 09.00

Subcontractor: SUB: T104704215-18-28 Prep seq: 7662477

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Arsenic	7440-38-2	**0.0102**	0.00400	0.000246	mg/L	09.18.18 19:36		1
Chromium	7440-47-3	**0.376**	0.00400	0.000525	mg/L	09.18.18 19:36		1
Iron	7439-89-6	<0.0227	0.100	0.0227	mg/L	09.18.18 19:36	U	1
Manganese	7439-96-5	**0.000254**	0.00200	0.000199	mg/L	09.18.18 19:36	J	1

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

Analyst: OJS % Moist: Tech: OJS

Seq Number: 3063315 Date Prep:

Prep seq:

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Chromium, Hexavalent	18540-29-9	**0.307**	0.0100	0.00273	mg/L	09.14.18 16:00		1

Certificate of Analytical Results

599188

ARCADIS, Midland, TX

Chevron N. Eunice

Sample Id: **MW093SA-W-180914** Matrix: Water Sample Depth:

Lab Sample Id: 599188-012 Date Collected: 09.14.18 00.00 Date Received: 09.14.18 15.14

Analytical Method: TDS by SM2540C Prep Method:

Analyst: OJS % Moist: Tech: OJS

Seq Number: 3063679 Date Prep:

Prep seq:

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Total Dissolved Solids	1642222	**3440**	5.00	5.00	mg/L	09.17.18 16:00		1

Analytical Method: Chloride by EPA 300 Prep Method: E300P

Analyst: SCM % Moist: Tech: SCM

Seq Number: 3063723 Date Prep: 09.18.18 15.00

Prep seq: 7662538

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Chloride	16887-00-6	**914**	25.0	4.29	mg/L	09.19.18 09:03		50

Analytical Method: Dissolved Metals by SW6020A Prep Method: 3010A

Analyst: DEP % Moist: Tech: AHI

Seq Number: 3063644 Date Prep: 09.18.18 09.00

Subcontractor: SUB: T104704215-18-28 Prep seq: 7662477

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Arsenic	7440-38-2	**0.00859**	0.00400	0.000246	mg/L	09.18.18 19:39		1
Chromium	7440-47-3	**0.494**	0.00400	0.000525	mg/L	09.18.18 19:39		1
Iron	7439-89-6	<0.0227	0.100	0.0227	mg/L	09.18.18 19:39	U	1
Manganese	7439-96-5	**0.0190**	0.00200	0.000199	mg/L	09.18.18 19:39		1

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

Analyst: OJS % Moist: Tech: OJS

Seq Number: 3063315 Date Prep:

Prep seq:

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Chromium, Hexavalent	18540-29-9	**0.504**	0.0500	0.0136	mg/L	09.14.18 16:00		5

ARCADIS Design & Consultancy for natural and built assets

Chevron North Eunice

DATA REVIEW

NORTH EUNICE, NEW MEXICO

Volatiles, TPH, Metals and Miscellaneous Analyses

SDGs # 598697, 598921, 599078 and 599188

Analyses Performed By:
Xenco Laboratories

Midland, TX

Report #29749R
Review Level: Tier II
Project: B0048789.0004

DATA REVIEW REPORT

SUMMARY

This data quality assessment summarizes the review of Sample Delivery Groups (SDGs) # 598697, 598921, 599078 and 599188 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:

SDG Number	Sample ID	Lab ID	Matrix	Sample Collection Date	Parent Sample	Analysis				
						VOC	SVOC	TPH	MET	MISC
598697	MW001-W-180911	598697-001	Water	09-11-2018		X		X	X	X
	MW046A-W-180911	598697-002	Water	09-11-2018		X		X	X	X
	MW045-W-180911	598697-003	Water	09-11-2018		X		X	X	X
	MW037-W-180911	598697-004	Water	09-11-2018		X		X	X	X
	MW043-W-180911	598697-005	Water	09-11-2018		X		X	X	X
	IW019-W-180911	598697-006	Water	09-11-2018		X		X	X	X
	MW100-W-180911	598697-007	Water	09-11-2018					X	X
	MW076SA-W-180911	598697-008	Water	09-11-2018					X	X
	MW075SA-W-180911	598697-009	Water	09-11-2018					X	X
	MW084SA-W-180911	598697-010	Water	09-11-2018					X	X
	MW085SA-W-180911	598697-011	Water	09-11-2018					X	X
	MW086SA-W-180911	598697-012	Water	09-11-2018					X	X
	DUP03-W-180911	598697-013	Water	09-11-2018	MW043-W-180911	X		X	X	X
	DUP07-W-180911	598697-014	Water	09-11-2018	MW100-W-180911				X	X
598921	MW071SA-W-180912	598921-001	Water	09-12-2018					X	X
	MW074SA-W-180912	598921-002	Water	09-12-2018					X	X

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DATA REVIEW REPORT

SDG Number	Sample ID	Lab ID	Matrix	Sample Collection Date	Parent Sample	Analysis				
						VOC	SVOC	TPH	MET	MISC
	MW056SA-W-180912	598921-003	Water	09-12-2018					X	X
	MW055SA-W-180912	598921-004	Water	09-12-2018					X	X
	MW066SA-W-180912	598921-005	Water	09-12-2018					X	X
	MW073SA-W-180912	598921-006	Water	09-12-2018					X	X
	MW072SA-W-180912	598921-007	Water	09-12-2018					X	X
	MW021A-W-180912	598921-008	Water	09-12-2018					X	X
	MW050SA-W-180912	598921-009	Water	09-12-2018					X	X
	MW051SA-W-180912	598921-010	Water	09-12-2018					X	X
	MW079SA-W-180912	598921-011	Water	09-12-2018					X	X
	MW054SA-W-180912	598921-012	Water	09-12-2018					X	X
	DUP04-W-180912	598921-013	Water	09-12-2018	MW054SA-W-180912				X	X
	DUP05-W-180912	598921-014	Water	09-12-2018	MW079SA-W-180912				X	X
	MW052SA-W-180912	598921-015	Water	09-12-2018					X	X
	MW049SA-W-180912	598921-016	Water	09-12-2018					X	X
	MW048SA-W-180912	598921-017	Water	09-12-2018					X	X
	MW041A-W-180912	598921-018	Water	09-12-2018					X	X
	MW062A-W-180912	598921-019	Water	09-12-2018					X	X
	MW063A-W-180912	598921-020	Water	09-12-2018					X	X

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DATA REVIEW REPORT

SDG Number	Sample ID	Lab ID	Matrix	Sample Collection Date	Parent Sample	Analysis				
						VOC	SVOC	TPH	MET	MISC
	MW024A-W-180912	598921-021	Water	09-12-2018					X	X
	MW070A-W-180912	598921-022	Water	09-12-2018					X	X
	Dup02-W-180912	598921-023	Water	09-12-2018	MW024A-W-180912				X	X
	MW057SA-W-180912	598921-024	Water	09-12-2018					X	X
599078	MW088M-W-180913	599078-001	Water	09-13-2018					X	X
	MW013-W-180913	599078-002	Water	09-13-2018					X	X
	MW040A-W-180913	599078-003	Water	09-13-2018					X	X
	MW010-W-180913	599078-004	Water	09-13-2018					X	X
	MW019A-W-180913	599078-005	Water	09-13-2018					X	X
	MW018-W-180913	599078-006	Water	09-13-2018					X	X
	MW020A-W-180913	599078-007	Water	09-13-2018					X	X
	MW099-W-180913	599078-008	Water	09-13-2018					X	X
	MW015A-W-180913	599078-009	Water	09-13-2018					X	X
	MW026-W-180913	599078-010	Water	09-13-2018					X	X
	MW027-W-180913	599078-011	Water	09-13-2018					X	X
	MW032-W-180913	599078-012	Water	09-13-2018					X	X
	MW068-W-180913	599078-013	Water	09-13-2018					X	X
	MW061-W-180913	599078-014	Water	09-13-2018					X	X
	MW095-W-180913	599078-015	Water	09-13-2018					X	X
	MW030-W-180913	599078-016	Water	09-13-2018					X	X
	MW031-W-180913	599078-017	Water	09-13-2018					X	X
	MW060-W-180913	599078-018	Water	09-13-2018					X	X
	MW059-W-180913	599078-019	Water	09-13-2018					X	X
	MW069-W-180913	599078-020	Water	09-13-2018					X	X
	MW023-W-180913	599078-021	Water	09-13-2018					X	X

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DATA REVIEW REPORT

SDG Number	Sample ID	Lab ID	Matrix	Sample Collection Date	Parent Sample	Analysis				
						VOC	SVOC	TPH	MET	MISC
599188	MW007A-W-180914	599188-001	Water	09-14-2018					X	X
	MW011A-W-180914	599188-002	Water	09-14-2018					X	X
	MW002A-W-180914	599188-003	Water	09-14-2018					X	X
	DUP01-W-180914	599188-004	Water	09-14-2018	MW011A-W-180914				X	X
	MW016A-W-180914	599188-005	Water	09-14-2018					X	X
	MW047-W-180914	599188-006	Water	09-14-2018					X	X
	MW008M-W-180914	599188-007	Water	09-14-2018					X	X
	MW089SA-W-180914	599188-008	Water	09-14-2018					X	X
	MW004A-W-180914	599188-009	Water	09-14-2018					X	X
	DUP06-W-180914	599188-010	Water	09-14-2018	IW023-W-180914				X	X
	IW023-W-180914	599188-011	Water	09-14-2018					X	X
	MW093SA-W-180914	599188-012	Water	09-14-2018					X	X

Notes:

VOC – Volatile Organic Compounds

SVOC – Semivolatile Organic Compounds

TPH – Total Petroleum Hydrocarbons

MET – Metals

MISC - Miscellaneous includes hexavalent chromium, chloride and total dissolved solids analysis.

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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

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DATA REVIEW REPORT

ORGANIC ANALYSIS INTRODUCTION

Analyses were performed according to United States Environmental Protection Agency (USEPA) SW-846 Method 8021B and 8015 Mod. Data were reviewed in accordance with USEPA National Functional Guidelines of October 1999.

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.

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DATA REVIEW REPORT

VOLATILE ORGANIC COMPOUND (VOC) ANALYSES

1. Holding Times

The specified holding times for the following methods are presented in the following table.

Method	Matrix	Holding Time	Preservation
SW-846 8021B	Water	14 days from collection to analysis (preserved) 7 days from collection to analysis (non-preserved)	Cool to <6 °C; preserved to a pH of less than 2 s.u.

Note:

s.u. Standard units

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.

Sample locations associated with surrogates exhibiting recoveries outside of the control limits presented in the following table.

Sample Locations	Surrogate	Recovery
MW043-W-180911	1,4-Difluorobenzene	< LL but > 10%
	4-Bromofluorobenzene	AC

Notes:

LL Lower control limit

AC Acceptable

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The criteria used to evaluate the surrogate recoveries are presented in the following table. In the case of a surrogate deviation, the sample results are qualified as documented in the table below.

Control Limit	Sample Result	Qualification
> UL	Non-detect	No Action
	Detect	J
< LL but > 10%	Non-detect	UJ
	Detect	J
< 10%	Non-detect	R
	Detect	J

4. Matrix Spike/Matrix Spike Duplicate (MS/MSD) Analysis

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.

The MS/MSD was not analyzed within SDG 598697.

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.

Results for duplicate samples are summarized in the following table.

Sample ID/Duplicate ID	Compound	Sample Result	Duplicate Result	RPD
MW043-W-180911 / DUP03-W-180911	Benzene	0.002 U	0.002 U	AC
	Ethylbenzene	0.002 U	0.002 U	AC

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Sample ID/Duplicate ID	Compound	Sample Result	Duplicate Result	RPD
	Toluene	0.002 U	0.002 U	AC
	Total BTEX	0.00347	0.00319	AC
	Total Xylenes	0.00347	0.00319	AC
	m,p-Xylenes	0.004 U	0.004 U	AC
	o-Xylene	0.00347	0.00319	AC

Notes:

AC Acceptable

The calculated RPDs between the parent sample and field duplicate were acceptable.

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.

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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	
Moisture Content	X				X

Notes:

%R Percent recovery

RPD Relative percent difference

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DATA REVIEW REPORT

TPH ANALYSES

1. Holding Times

The specified holding times for the following methods are presented in the following table.

Method	Matrix	Holding Time	Preservation
TPH by SW846 8015B	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 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) Analysis

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.

The MS/MSD was analyzed on sample location MW001-W-180911 exhibited acceptable recoveries and RPD between the MS/MSD recoveries.

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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.

Results for duplicate samples are summarized in the following table.

Sample ID/Duplicate ID	Compound	Sample Result	Duplicate Result	RPD
MW043-W-180911 / DUP03-W-180911	Diesel Range Organics	1.50 U	1.50 U	AC
	Gasoline Range Hydrocarbons	1.50 U	1.50 U	AC
	Oil Range Hydrocarbons	1.50 U	1.50 U	AC
	Total TPH	1.50 U	1.50 U	AC

Notes:

AC Acceptable

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.

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DATA VALIDATION CHECKLIST FOR TPH

DRO/GRO; SW-846 8015B	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					
D. Method blanks		X		X	
E. 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	
Moisture Content	X				X

Notes:
%R - percent recovery
RPD - relative percent difference

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DATA REVIEW REPORT

INORGANIC ANALYSIS INTRODUCTION

Analyses were performed according to United States Environmental Protection Agency (USEPA) SW-846 Method 6020A, 7196A, EPA 300, SM 2540C. Data were reviewed in accordance with USEPA National Functional Guidelines of July 2002.

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.

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.

The MS/MSD analysis were performed on sample locations MW001-W-180911, MW070A-W-180912 and MW069-W-180913 exhibited recoveries within the control limits.

3.2 Laboratory Duplicate Analysis

The laboratory duplicate 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 times the RL is applied for water matrices.

MS/MSD analysis was performed in replacement of the laboratory duplicate analysis. The MS/MSD recoveries exhibited acceptable RPD.

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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.

Sample ID/Duplicate ID	Analyte	Sample Result	Duplicate Result	RPD
MW011A-W-180914 / DUP01-W-180914	Arsenic	0.0142	0.0136	AC
	Chromium	0.291	0.277	AC
	Iron	0.100 U	0.100 U	AC
	Manganese	0.193	0.187	AC
MW024A-W-180912 / Dup02-W-180912	Arsenic	0.0125	0.0126	AC
	Chromium	0.579	0.547	AC
	Iron	0.100 U	0.100 U	AC
	Manganese	0.002 U	0.000247 J	AC
MW043-W-180911 / DUP03-W-180911	Arsenic	0.00508	0.00524	AC
	Chromium	0.000688	0.000605	AC
	Iron	0.152	0.156	AC
	Manganese	0.545	0.553	AC
MW054SA-W-180912 / DUP04-W-180912	Arsenic	0.0107	0.0108	AC
	Chromium	0.131	0.129	AC
	Iron	0.103	0.0672 J	AC
	Manganese	0.00315	0.00235	AC
MW079SA-W-180912 / DUP05-W-180912	Arsenic	0.00709	0.00707	AC
	Chromium	0.000705	0.000783	AC
	Iron	0.176	0.184	AC
	Manganese	0.0406	0.0420	AC
IW023-W-180914 / DUP06-W-180914	Arsenic	0.0102	0.0101	AC
	Chromium	0.376	0.383	AC
	Iron	0.100 U	0.100 U	AC
	Manganese	0.000254	0.002 U	AC
MW100-W-180911 / DUP07-W-180911	Arsenic	0.00935	0.00906	AC

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Sample ID/Duplicate ID	Analyte	Sample Result	Duplicate Result	RPD
	Chromium	0.004 U	0.004 U	AC
	Iron	0.0583 J	0.0569 J	AC
	Manganese	0.253	0.223	AC

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.

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DATA VALIDATION CHECKLIST FOR METAL

METALS; SW-846 6020A	Reported		Performance Acceptable		Not Required
	No	Yes	No	Yes	
Inductively Coupled Plasma-Atomic Emission Spectrometry (ICP-AES)					
Inductively Coupled Plasma-Mass Spectrometry (ICP-MS)					
Atomic Absorption – Manual Cold Vapor (CV)					
Tier II Validation					
Holding Times		X		X	
Reporting limits (units)		X		X	
Blanks					
A. Instrument Blanks	X				X
B. Method Blanks		X		X	
C. Equipment/Field Blanks	X				X
Laboratory Control Sample (LCS)		X		X	
Laboratory Control Sample Duplicate(LCSD) %R		X		X	
LCS/LCSD Precision (RPD)		X		X	
Matrix Spike (MS) %R		X		X	
Matrix Spike Duplicate (MSD) %R		X		X	
MS/MSD Precision (RPD)		X		X	
Field/Lab Duplicate (RPD)		X		X	
ICP Serial Dilution %D	X				X
Reporting Limit Verification		X		X	

Notes:

%R Percent recovery

RPD Relative percent difference

%D Percent difference

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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
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.
Hexavalent Chromium by SW-846 7196A	Water	24 hours 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.

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.

The MS/MSD analysis for hexavalent chromium was performed on sample locations DUP07-W-180911, MW071SA-W-180912, MW079SA-W-180912, MW070A-W-180912, MW040A-W-180913, MW030-W-180913, MW069-W-180913 and MW016A-W-180914 exhibited recoveries within the control limits.

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3.2 Laboratory Duplicate Analysis

The laboratory duplicate 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 times the RL is applied for water matrices.

The laboratory duplicate analysis was performed for total dissolved solids on sample locations MW001-W-180911, DUP07-W-180911, MW072SA-W-180912, MW057SA-W-180912, MW088M-W-180913, MW069-W-180913, MW023-W-180913 and MW007A-W-180914 exhibited RPDs within the 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.

Results for duplicate samples are summarized in the following table.

Sample ID/Duplicate ID	Analyte	Sample Result	Duplicate Result	RPD
MW011A-W-180914 / DUP01-W-180914	Hexavalent Chromium	0.242	0.239	AC
	Chloride	646	576	AC
	Total Dissolved Solids	2160	2080	AC
MW024A-W-180912 / Dup02-W-180912	Hexavalent Chromium	0.477	0.520	AC
	Chloride	901	894	AC
	Total Dissolved Solids	2420	2310	AC
MW043-W-180911 / DUP03-W-180911	Hexavalent Chromium	0.01 U	0.01 U	AC
	Chloride	610	641	AC
	Total Dissolved Solids	1620	1670	AC
MW054SA-W-180912 / DUP04-W-180912	Hexavalent Chromium	0.115	0.118	AC
	Chloride	800	801	AC
	Total Dissolved Solids	1970	1970	AC
MW079SA-W-180912 / DUP05-W-180912	Hexavalent Chromium	0.01 U	0.01 U	AC
	Chloride	270	269	AC
	Total Dissolved Solids	1140	1030	AC
IW023-W-180914 / DUP06-W-180914	Hexavalent Chromium	0.307	0.269	AC
	Chloride	645	638	AC
	Total Dissolved Solids	2790	2880	AC
MW100-W-180911 / DUP07-W-180911	Hexavalent Chromium	0.01 U	0.01 U	AC

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Sample ID/Duplicate ID	Analyte	Sample Result	Duplicate Result	RPD
	Chloride	789	865	AC
	Total Dissolved Solids	1640	1730	AC

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.

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DATA REVIEW REPORT

DATA VALIDATION CHECKLIST FOR GENERAL CHEMISTRY

General Chemistry: EPA 300.0, SM 2540C and SW 7196A	Reported		Performance Acceptable		Not Required
	No	Yes	No	Yes	
Miscellaneous Instrumentation					
Tier II Validation					
Holding times		X		X	
Reporting limits (units)		X		X	
Blanks					
A. Method blanks		X		X	
B. Equipment blanks	X				X
Laboratory Control Sample (LCS) %R		X		X	
Laboratory Control Sample Duplicate(LCSD) %R		X		X	
LCS/LCSD Precision (RPD)		X		X	
Matrix Spike (MS) %R		X		X	
Matrix Spike Duplicate(MSD) %R		X		X	
MS/MSD Precision (RPD)		X		X	
Field/Lab Duplicate (RPD)		X		X	
Dilution Factor		X		X	
Moisture Content	X				X

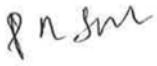
Notes:

%RSD – relative standard deviation
%R - percent recovery
RPD - relative percent difference

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DATA REVIEW REPORT

VALIDATION PERFORMED BY: Suresh

SIGNATURE: 

DATE: November 22, 2018

PEER REVIEW: Dennis Capria

DATE: November 29, 2018

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CHAIN OF CUSTODY

CORRECTED SAMPLE ANALYSIS DATA SHEETS



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ARCADIS

ID#:

CHAIN OF CUSTODY & LABORATORY ANALYSIS REQUEST FORM

Page 1 of 1

Lab Work Order # 598697

Send Results to:

Contact & Company Name: Brett Krehbiel Arcadis
Telephone: 916-786-0320
Address: 101 Creekside Ridge Court, Suite 200
Fax: 916-786-0366
City: Roseville State: CA Zip: 95678
E-mail Address: brett.krehbiel@arcadis.com
Project Name/Location (City, State): Chevron N. Eunice
Project #: B0048789.0004
Sampler's Printed Name: Jerry S. Longwell
Sampler's Signature:

Preservative	B	B	C	E	E			
Filtered (✓)			✓	✓				
# of Containers	21	14	14	14	14			
Container Information	1	1	3	4	4			

PARAMETER ANALYSIS & METHOD

Sample ID	Collection Date	Collection Time	Type (✓) Comp	Type (✓) Grab	Matrix	BTEX 8021B	TPH GRO & DRO 8015B	Dissolved As, Mn, Fe, Cr 6010B	Dissolved Hex Chromium 7196	Chloride & TDS			REMARKS
MW001-W-180911	09/11/18	1150		X	W	3	2	1	1	1			
MW046A-W-180911	09/11/18	1220		X	W	3	2	1	1	1			
MW045-W-180911	09/11/18	1226		X	W	3	2	1	1	1			
MW037-W-180911	09/11/18	1248		X	W	3	2	1	1	1			
MW043-W-180911	09/11/18	1346		X	W	3	2	1	1	1			
TW019-W-180911	09/11/18	1317		X	W	3	2	1	1	1			
MW100-W-180911 DUP	09/11/18	1347		X	W	3	2	1	1	1			
MW076SA-W-180911 DUP		1402		X	W	—	—	1	1	1			
MW075SA-W-180911		1412		X	W	—	—	1	1	1			
MW034SA-W-180911		1423		X	W	—	—	1	1	1			
MW085SA-W-180911		1432		X	W	—	—	1	1	1			
MW086SA-W-180911 DUP		1447		X	W	—	—	1	1	1			
DUP03-W-180911	09/11/18	—		X	W	3	2	1	1	1			
DUP07-W-180911	09/11/18	—		X	W	—	—	1	1	1			

Keys

Preservation Key:
A. H_2SO_4
B. HCL
C. HNO_3
D. NaOH
E. None
F. Other: _____
G. Other: _____
H. Other: _____

Container Information Key:
1. 40 ml Vial
2. 1 L Amber
3. 250 ml Plastic
4. 500 ml Plastic
5. Encore
6. 2 oz. Glass
7. 4 oz. Glass
8. 8 oz. Glass
9. Other: _____
10. Other: _____

Matrix Key:
SO - Soil
W - Water
T - Tissue
SE - Sediment
SL - Sludge
A - Air
NL - NAPL/Oil
SW - Sample Wipe
Other: _____

Special Instructions/Comments:

☐ Special QA/QC Instructions(✓):

Laboratory Information and Receipt

Lab Name: Xenco
☑ Cooler packed with ice (✓)
Cooler Custody Seal (✓) ☐ Intact ☐ Not Intact
Specify Turnaround Requirements: Standard TAT
Sample Receipt: Condition/Cooler Temp: 0.3/0.0
Shipping Tracking #:

Relinquished By	Received By	Relinquished By	Laboratory Received By
Printed Name: Jerry S. Longwell	Printed Name: Winston Ward	Printed Name: Winston Ward	Printed Name: Julian Martinez
Signature:	Signature:	Signature:	Signature:
Firm: Arcadis	Firm/Courier: Xenco	Firm/Courier: Xenco	Firm: Xenco
Date/Time: 09/11/18 1632	Date/Time: 09/11/18 16:59	Date/Time: 09/11/18	Date/Time: 9-11-18 19:00

20730826 CofC AR Form 08.27.2015

Distribution: WHITE – Laboratory returns with results; YELLOW – Lab copy; PINK – Retained by Arcadis

Received by OCD: 3/25/2020 3:45:40 PM
Final 1.001
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Released to Imaging: 6/14/2022 10:44:20 AM

Certificate of Analytical Results

598697

ARCADIS, Midland, TX

Chevron N. Eunice

Sample Id: **MW001-W-180911** Matrix: Water Sample Depth:

Lab Sample Id: 598697-001 Date Collected: 09.11.18 11.50 Date Received: 09.11.18 19.00

Analytical Method: TDS by SM2540C Prep Method:

Analyst: OJS % Moist: Tech: OJS

Seq Number: 3063197 Date Prep:

Prep seq:

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Total Dissolved Solids	1642222	**2610**	5.00	5.00	mg/L	09.12.18 17:10		1

Analytical Method: Chloride by EPA 300 Prep Method: E300P

Analyst: SCM % Moist: Tech: SCM

Seq Number: 3063340 Date Prep: 09.12.18 16.15

Prep seq: 7662143

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Chloride	16887-00-6	**275**	10.0	1.72	mg/L	09.12.18 22:18		20

Analytical Method: Dissolved Metals by SW6020A Prep Method: 3010A

Analyst: DEP % Moist: Tech: MLI

Seq Number: 3063327 Date Prep: 09.15.18 11.05

Subcontractor: SUB: T104704215-18-28 Prep seq: 7662348

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Arsenic	7440-38-2	**0.00241**	0.00400	0.000246	mg/L	09.16.18 23:18	J	1
Chromium	7440-47-3	**0.00146**	0.00400	0.000525	mg/L	09.16.18 23:18	J	1
Iron	7439-89-6	<0.0227	0.100	0.0227	mg/L	09.16.18 23:18	U	1
Manganese	7439-96-5	**0.584**	0.00200	0.000199	mg/L	09.16.18 23:18		1

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

Analyst: OJS % Moist: Tech: OJS

Seq Number: 3062935 Date Prep:

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	09.12.18 09:45	U	1

Certificate of Analytical Results

598697

ARCADIS, Midland, TX

Chevron N. Eunice

Sample Id: **MW001-W-180911** Matrix: Water Sample Depth:

Lab Sample Id: 598697-001 Date Collected: 09.11.18 11.50 Date Received: 09.11.18 19.00

Analytical Method: TPH By SW8015 Mod Prep Method: 1005

Analyst: ARM % Moist: Tech: ARM

Seq Number: 3063336 Date Prep: 09.14.18 15.00

Prep seq: 7662365

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Gasoline Range Hydrocarbons	PHC610	<0.986	1.50	0.986	mg/L	09.14.18 23:25	U	1
Diesel Range Organics	C10C28DRO	<0.911	1.50	0.911	mg/L	09.14.18 23:25	U	1
Oil Range Hydrocarbons	PHCG2835	<0.911	1.50	0.911	mg/L	09.14.18 23:25	U	1
Total TPH	PHC635	<0.911	1.50	0.911	mg/L	09.14.18 23:25	U	1

Surrogate	% Recovery	Limits	Units	Analysis Date	Flag
1-Chlorooctane	99	70 - 135	%		
o-Terphenyl	99	70 - 135	%		

Analytical Method: BTEX by EPA 8021B Prep Method: 5030B

Analyst: ALJ % Moist: Tech: ALJ

Seq Number: 3062942 Date Prep: 09.12.18 08.00

Prep seq: 7662127

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Benzene	71-43-2	<0.000408	0.00200	0.000408	mg/L	09.12.18 16:39	U	1
Toluene	108-88-3	<0.000367	0.00200	0.000367	mg/L	09.12.18 16:39	U	1
Ethylbenzene	100-41-4	<0.000657	0.00200	0.000657	mg/L	09.12.18 16:39	U	1
m,p-Xylenes	179601-23-1	<0.000630	0.00400	0.000630	mg/L	09.12.18 16:39	U	1
o-Xylene	95-47-6	<0.000642	0.00200	0.000642	mg/L	09.12.18 16:39	U	1
Total Xylenes	1330-20-7	<0.000630	0.00200	0.000630	mg/L	09.12.18 16:39	U	1
Total BTEX		<0.000367	0.00200	0.000367	mg/L	09.12.18 16:39	U	1

Surrogate	% Recovery	Limits	Units	Analysis Date	Flag
1,4-Difluorobenzene	95	70 - 130	%		
4-Bromofluorobenzene	93	70 - 130	%		

Certificate of Analytical Results

598697

ARCADIS, Midland, TX

Chevron N. Eunice

Sample Id: **MW046A-W-180911** Matrix: Water Sample Depth:

Lab Sample Id: 598697-002 Date Collected: 09.11.18 12.20 Date Received: 09.11.18 19.00

Analytical Method: TDS by SM2540C Prep Method:

Analyst: OJS % Moist: Tech: OJS

Seq Number: 3063197 Date Prep:

Prep seq:

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Total Dissolved Solids	1642222	**2980**	5.00	5.00	mg/L	09.12.18 17:10		1

Analytical Method: Chloride by EPA 300 Prep Method: E300P

Analyst: SCM % Moist: Tech: SCM

Seq Number: 3063340 Date Prep: 09.12.18 16.15

Prep seq: 7662143

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Chloride	16887-00-6	**704**	10.0	1.72	mg/L	09.12.18 22:45		20

Analytical Method: Dissolved Metals by SW6020A Prep Method: 3010A

Analyst: DEP % Moist: Tech: MLI

Seq Number: 3063327 Date Prep: 09.15.18 11.05

Subcontractor: SUB: T104704215-18-28 Prep seq: 7662348

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Arsenic	7440-38-2	**0.0106**	0.00400	0.000246	mg/L	09.16.18 23:41		1
Chromium	7440-47-3	**1.77**	0.00400	0.000525	mg/L	09.16.18 23:41		1
Iron	7439-89-6	<0.0227	0.100	0.0227	mg/L	09.16.18 23:41	U	1
Manganese	7439-96-5	**0.00129**	0.00200	0.000199	mg/L	09.16.18 23:41	J	1

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

Analyst: OJS % Moist: Tech: OJS

Seq Number: 3062935 Date Prep:

Prep seq:

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Chromium, Hexavalent	18540-29-9	**1.67**	0.100	0.0273	mg/L	09.12.18 09:45		10

Certificate of Analytical Results

598697

ARCADIS, Midland, TX

Chevron N. Eunice

Sample Id: **MW046A-W-180911** Matrix: Water Sample Depth:

Lab Sample Id: 598697-002 Date Collected: 09.11.18 12.20 Date Received: 09.11.18 19.00

Analytical Method: TPH By SW8015 Mod Prep Method: 1005

Analyst: ARM % Moist: Tech: ARM

Seq Number: 3063336 Date Prep: 09.14.18 15.00

Prep seq: 7662365

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Gasoline Range Hydrocarbons	PHC610	<0.987	1.50	0.987	mg/L	09.15.18 00:24	U	1
Diesel Range Organics	C10C28DRO	<0.912	1.50	0.912	mg/L	09.15.18 00:24	U	1
Oil Range Hydrocarbons	PHCG2835	<0.912	1.50	0.912	mg/L	09.15.18 00:24	U	1
Total TPH	PHC635	<0.912	1.50	0.912	mg/L	09.15.18 00:24	U	1

Surrogate	% Recovery	Limits	Units	Analysis Date	Flag
1-Chlorooctane	91	70 - 135	%		
o-Terphenyl	92	70 - 135	%		

Analytical Method: BTEX by EPA 8021B Prep Method: 5030B

Analyst: ALJ % Moist: Tech: ALJ

Seq Number: 3062942 Date Prep: 09.12.18 08.00

Prep seq: 7662127

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Benzene	71-43-2	<0.000408	0.00200	0.000408	mg/L	09.12.18 17:00	U	1
Toluene	108-88-3	<0.000367	0.00200	0.000367	mg/L	09.12.18 17:00	U	1
Ethylbenzene	100-41-4	<0.000657	0.00200	0.000657	mg/L	09.12.18 17:00	U	1
m,p-Xylenes	179601-23-1	<0.000630	0.00400	0.000630	mg/L	09.12.18 17:00	U	1
o-Xylene	95-47-6	<0.000642	0.00200	0.000642	mg/L	09.12.18 17:00	U	1
Total Xylenes	1330-20-7	<0.000630	0.00200	0.000630	mg/L	09.12.18 17:00	U	1
Total BTEX		<0.000367	0.00200	0.000367	mg/L	09.12.18 17:00	U	1

Surrogate	% Recovery	Limits	Units	Analysis Date	Flag
1,4-Difluorobenzene	100	70 - 130	%		
4-Bromofluorobenzene	87	70 - 130	%		

Certificate of Analytical Results

598697

ARCADIS, Midland, TX

Chevron N. Eunice

Sample Id: **MW045-W-180911** Matrix: Water Sample Depth:

Lab Sample Id: 598697-003 Date Collected: 09.11.18 12.26 Date Received: 09.11.18 19.00

Analytical Method: TDS by SM2540C Prep Method:

Analyst: OJS % Moist: Tech: OJS

Seq Number: 3063197 Date Prep:

Prep seq:

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Total Dissolved Solids	1642222	**1350**	5.00	5.00	mg/L	09.12.18 17:10		1

Analytical Method: Chloride by EPA 300 Prep Method: E300P

Analyst: SCM % Moist: Tech: SCM

Seq Number: 3063340 Date Prep: 09.12.18 16.15

Prep seq: 7662143

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Chloride	16887-00-6	**72.1**	5.00	0.858	mg/L	09.12.18 22:54		10

Analytical Method: Dissolved Metals by SW6020A Prep Method: 3010A

Analyst: DEP % Moist: Tech: MLI

Seq Number: 3063327 Date Prep: 09.15.18 11.05

Subcontractor: SUB: T104704215-18-28 Prep seq: 7662348

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Arsenic	7440-38-2	**0.00213**	0.00400	0.000246	mg/L	09.16.18 23:44	J	1
Chromium	7440-47-3	**0.0131**	0.00400	0.000525	mg/L	09.16.18 23:44		1
Iron	7439-89-6	<0.0227	0.100	0.0227	mg/L	09.16.18 23:44	U	1
Manganese	7439-96-5	**0.0710**	0.00200	0.000199	mg/L	09.16.18 23:44		1

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

Analyst: OJS % Moist: Tech: OJS

Seq Number: 3062935 Date Prep:

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	09.12.18 09:45	U	1

Certificate of Analytical Results

598697

ARCADIS, Midland, TX

Chevron N. Eunice

Sample Id: **MW045-W-180911** Matrix: Water Sample Depth:

Lab Sample Id: 598697-003 Date Collected: 09.11.18 12.26 Date Received: 09.11.18 19.00

Analytical Method: TPH By SW8015 Mod Prep Method: 1005

Analyst: ARM % Moist: Tech: ARM

Seq Number: 3063336 Date Prep: 09.14.18 15.00

Prep seq: 7662365

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Gasoline Range Hydrocarbons	PHC610	<0.986	1.50	0.986	mg/L	09.15.18 00:44	U	1
Diesel Range Organics	C10C28DRO	<0.911	1.50	0.911	mg/L	09.15.18 00:44	U	1
Oil Range Hydrocarbons	PHCG2835	<0.911	1.50	0.911	mg/L	09.15.18 00:44	U	1
Total TPH	PHC635	<0.911	1.50	0.911	mg/L	09.15.18 00:44	U	1

Surrogate	% Recovery	Limits	Units	Analysis Date	Flag
1-Chlorooctane	94	70 - 135	%		
o-Terphenyl	93	70 - 135	%		

Analytical Method: BTEX by EPA 8021B Prep Method: 5030B

Analyst: ALJ % Moist: Tech: ALJ

Seq Number: 3062942 Date Prep: 09.12.18 08.00

Prep seq: 7662127

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Benzene	71-43-2	<0.000408	0.00200	0.000408	mg/L	09.12.18 17:20	U	1
Toluene	108-88-3	<0.000367	0.00200	0.000367	mg/L	09.12.18 17:20	U	1
Ethylbenzene	100-41-4	<0.000657	0.00200	0.000657	mg/L	09.12.18 17:20	U	1
m,p-Xylenes	179601-23-1	<0.000630	0.00400	0.000630	mg/L	09.12.18 17:20	U	1
o-Xylene	95-47-6	<0.000642	0.00200	0.000642	mg/L	09.12.18 17:20	U	1
Total Xylenes	1330-20-7	<0.000630	0.00200	0.000630	mg/L	09.12.18 17:20	U	1
Total BTEX		<0.000367	0.00200	0.000367	mg/L	09.12.18 17:20	U	1

Surrogate	% Recovery	Limits	Units	Analysis Date	Flag
1,4-Difluorobenzene	99	70 - 130	%		
4-Bromofluorobenzene	93	70 - 130	%		

Certificate of Analytical Results

598697

ARCADIS, Midland, TX

Chevron N. Eunice

Sample Id: **MW037-W-180911** Matrix: Water Sample Depth:

Lab Sample Id: 598697-004 Date Collected: 09.11.18 12.49 Date Received: 09.11.18 19.00

Analytical Method: TDS by SM2540C Prep Method:

Analyst: OJS % Moist: Tech: OJS

Seq Number: 3063197 Date Prep:

Prep seq:

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Total Dissolved Solids	1642222	**1470**	5.00	5.00	mg/L	09.12.18 17:10		1

Analytical Method: Chloride by EPA 300 Prep Method: E300P

Analyst: SCM % Moist: Tech: SCM

Seq Number: 3063340 Date Prep: 09.12.18 16.15

Prep seq: 7662143

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Chloride	16887-00-6	**549**	10.0	1.72	mg/L	09.12.18 23:04		20

Analytical Method: Dissolved Metals by SW6020A Prep Method: 3010A

Analyst: DEP % Moist: Tech: MLI

Seq Number: 3063327 Date Prep: 09.15.18 11.05

Subcontractor: SUB: T104704215-18-28 Prep seq: 7662348

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Arsenic	7440-38-2	**0.0502**	0.00400	0.000246	mg/L	09.16.18 23:47		1
Chromium	7440-47-3	**0.00126**	0.00400	0.000525	mg/L	09.16.18 23:47	J	1
Iron	7439-89-6	**7.15**	0.100	0.0227	mg/L	09.16.18 23:47		1
Manganese	7439-96-5	**0.0653**	0.00200	0.000199	mg/L	09.16.18 23:47		1

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

Analyst: OJS % Moist: Tech: OJS

Seq Number: 3062935 Date Prep:

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	09.12.18 09:45	U	1

Certificate of Analytical Results

598697

ARCADIS, Midland, TX

Chevron N. Eunice

Sample Id: **MW037-W-180911** Matrix: Water Sample Depth:

Lab Sample Id: 598697-004 Date Collected: 09.11.18 12.49 Date Received: 09.11.18 19.00

Analytical Method: TPH By SW8015 Mod Prep Method: 1005

Analyst: ARM % Moist: Tech: ARM

Seq Number: 3063336 Date Prep: 09.14.18 15.00

Prep seq: 7662365

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Gasoline Range Hydrocarbons	PHC610	<0.987	1.50	0.987	mg/L	09.15.18 01:04	U	1
Diesel Range Organics	C10C28DRO	**1.04**	1.50	0.911	mg/L	09.15.18 01:04	J	1
Oil Range Hydrocarbons	PHCG2835	<0.911	1.50	0.911	mg/L	09.15.18 01:04	U	1
Total TPH	PHC635	**1.04**	1.50	0.911	mg/L	09.15.18 01:04	J	1

Surrogate	% Recovery	Limits	Units	Analysis Date	Flag
1-Chlorooctane	94	70 - 135	%		
o-Terphenyl	93	70 - 135	%		

Analytical Method: BTEX by EPA 8021B Prep Method: 5030B

Analyst: ALJ % Moist: Tech: ALJ

Seq Number: 3062942 Date Prep: 09.12.18 08.00

Prep seq: 7662127

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Benzene	71-43-2	**0.0719**	0.00200	0.000408	mg/L	09.12.18 17:40		1
Toluene	108-88-3	<0.000367	0.00200	0.000367	mg/L	09.12.18 17:40	U	1
Ethylbenzene	100-41-4	**0.0108**	0.00200	0.000657	mg/L	09.12.18 17:40		1
m,p-Xylenes	179601-23-1	**0.00593**	0.00400	0.000630	mg/L	09.12.18 17:40		1
o-Xylene	95-47-6	**0.00384**	0.00200	0.000642	mg/L	09.12.18 17:40		1
Total Xylenes	1330-20-7	**0.00977**	0.00200	0.000630	mg/L	09.12.18 17:40		1
Total BTEX		**0.0925**	0.00200	0.000367	mg/L	09.12.18 17:40		1

Surrogate	% Recovery	Limits	Units	Analysis Date	Flag
1,4-Difluorobenzene	94	70 - 130	%		
4-Bromofluorobenzene	119	70 - 130	%		

Certificate of Analytical Results

598697

ARCADIS, Midland, TX

Chevron N. Eunice

Sample Id: **MW043-W-180911** Matrix: Water Sample Depth:

Lab Sample Id: 598697-005 Date Collected: 09.11.18 13.46 Date Received: 09.11.18 19.00

Analytical Method: TDS by SM2540C Prep Method:

Analyst: OJS % Moist: Tech: OJS

Seq Number: 3063197 Date Prep:

Prep seq:

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Total Dissolved Solids	1642222	**1620**	5.00	5.00	mg/L	09.12.18 17:10		1

Analytical Method: Chloride by EPA 300 Prep Method: E300P

Analyst: SCM % Moist: Tech: SCM

Seq Number: 3063340 Date Prep: 09.12.18 16.15

Prep seq: 7662143

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Chloride	16887-00-6	**610**	10.0	1.72	mg/L	09.12.18 23:13		20

Analytical Method: Dissolved Metals by SW6020A Prep Method: 3010A

Analyst: DEP % Moist: Tech: MLI

Seq Number: 3063327 Date Prep: 09.15.18 11.05

Subcontractor: SUB: T104704215-18-28 Prep seq: 7662348

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Arsenic	7440-38-2	**0.00508**	0.00400	0.000246	mg/L	09.16.18 23:50		1
Chromium	7440-47-3	**0.000688**	0.00400	0.000525	mg/L	09.16.18 23:50	J	1
Iron	7439-89-6	**0.152**	0.100	0.0227	mg/L	09.16.18 23:50		1
Manganese	7439-96-5	**0.545**	0.00200	0.000199	mg/L	09.16.18 23:50		1

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

Analyst: OJS % Moist: Tech: OJS

Seq Number: 3062935 Date Prep:

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	09.12.18 09:45	U	1

Certificate of Analytical Results

598697

ARCADIS, Midland, TX

Chevron N. Eunice

Sample Id: **MW043-W-180911** Matrix: Water Sample Depth:

Lab Sample Id: 598697-005 Date Collected: 09.11.18 13.46 Date Received: 09.11.18 19.00

Analytical Method: TPH By SW8015 Mod Prep Method: 1005

Analyst: ARM % Moist: Tech: ARM

Seq Number: 3063336 Date Prep: 09.14.18 15.00

Prep seq: 7662365

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Gasoline Range Hydrocarbons	PHC610	<0.986	1.50	0.986	mg/L	09.15.18 01:24	U	1
Diesel Range Organics	C10C28DRO	<0.911	1.50	0.911	mg/L	09.15.18 01:24	U	1
Oil Range Hydrocarbons	PHCG2835	<0.911	1.50	0.911	mg/L	09.15.18 01:24	U	1
Total TPH	PHC635	<0.911	1.50	0.911	mg/L	09.15.18 01:24	U	1

Surrogate	% Recovery	Limits	Units	Analysis Date	Flag
1-Chlorooctane	92	70 - 135	%		
o-Terphenyl	93	70 - 135	%		

Analytical Method: BTEX by EPA 8021B Prep Method: 5030B

Analyst: ALJ % Moist: Tech: ALJ

Seq Number: 3062942 Date Prep: 09.12.18 08.00

Prep seq: 7662127

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Benzene	71-43-2	<0.000408	0.00200	0.000408	mg/L	09.12.18 19:28	~~U~~ UJ	1
Toluene	108-88-3	<0.000367	0.00200	0.000367	mg/L	09.12.18 19:28	~~U~~ UJ	1
Ethylbenzene	100-41-4	<0.000657	0.00200	0.000657	mg/L	09.12.18 19:28	~~U~~ UJ	1
m,p-Xylenes	179601-23-1	<0.000630	0.00400	0.000630	mg/L	09.12.18 19:28	~~U~~ UJ	1
o-Xylene	95-47-6	**0.00347**	0.00200	0.000642	mg/L	09.12.18 19:28	J	1
Total Xylenes	1330-20-7	**0.00347**	0.00200	0.000630	mg/L	09.12.18 19:28	J	1
Total BTEX		**0.00347**	0.00200	0.000367	mg/L	09.12.18 19:28	J	1

Surrogate	% Recovery	Limits	Units	Analysis Date	Flag
1,4-Difluorobenzene	63	70 - 130	%		**
4-Bromofluorobenzene	94	70 - 130	%		

Certificate of Analytical Results

598697

ARCADIS, Midland, TX

Chevron N. Eunice

Sample Id: **IW019-W-180911** Matrix: Water Sample Depth:

Lab Sample Id: 598697-006 Date Collected: 09.11.18 13.17 Date Received: 09.11.18 19.00

Analytical Method: TDS by SM2540C Prep Method:

Analyst: OJS % Moist: Tech: OJS

Seq Number: 3063197 Date Prep:

Prep seq:

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Total Dissolved Solids	1642222	**3270**	5.00	5.00	mg/L	09.12.18 17:10		1

Analytical Method: Chloride by EPA 300 Prep Method: E300P

Analyst: SCM % Moist: Tech: SCM

Seq Number: 3063340 Date Prep: 09.12.18 16.15

Prep seq: 7662143

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Chloride	16887-00-6	**1060**	25.0	4.29	mg/L	09.12.18 23:22		50

Analytical Method: Dissolved Metals by SW6020A Prep Method: 3010A

Analyst: DEP % Moist: Tech: MLI

Seq Number: 3063327 Date Prep: 09.15.18 11.05

Subcontractor: SUB: T104704215-18-28 Prep seq: 7662348

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Arsenic	7440-38-2	**0.0101**	0.00400	0.000246	mg/L	09.16.18 23:53		1
Chromium	7440-47-3	**0.757**	0.00400	0.000525	mg/L	09.16.18 23:53		1
Iron	7439-89-6	<0.0227	0.100	0.0227	mg/L	09.16.18 23:53	U	1
Manganese	7439-96-5	**0.0349**	0.00200	0.000199	mg/L	09.16.18 23:53		1

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

Analyst: OJS % Moist: Tech: OJS

Seq Number: 3062935 Date Prep:

Prep seq:

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Chromium, Hexavalent	18540-29-9	**0.687**	0.0500	0.0136	mg/L	09.12.18 09:45		5

Certificate of Analytical Results

598697

ARCADIS, Midland, TX

Chevron N. Eunice

Sample Id: **IW019-W-180911** Matrix: Water Sample Depth:

Lab Sample Id: 598697-006 Date Collected: 09.11.18 13.17 Date Received: 09.11.18 19.00

Analytical Method: TPH By SW8015 Mod Prep Method: 1005

Analyst: ARM % Moist: Tech: ARM

Seq Number: 3063336 Date Prep: 09.14.18 15.00

Prep seq: 7662365

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Gasoline Range Hydrocarbons	PHC610	<0.986	1.50	0.986	mg/L	09.15.18 01:44	U	1
Diesel Range Organics	C10C28DRO	<0.911	1.50	0.911	mg/L	09.15.18 01:44	U	1
Oil Range Hydrocarbons	PHCG2835	<0.911	1.50	0.911	mg/L	09.15.18 01:44	U	1
Total TPH	PHC635	<0.911	1.50	0.911	mg/L	09.15.18 01:44	U	1

Surrogate	% Recovery	Limits	Units	Analysis Date	Flag
1-Chlorooctane	91	70 - 135	%		
o-Terphenyl	94	70 - 135	%		

Analytical Method: BTEX by EPA 8021B Prep Method: 5030B

Analyst: ALJ % Moist: Tech: ALJ

Seq Number: 3062942 Date Prep: 09.12.18 08.00

Prep seq: 7662127

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Benzene	71-43-2	<0.000408	0.00200	0.000408	mg/L	09.12.18 18:01	U	1
Toluene	108-88-3	<0.000367	0.00200	0.000367	mg/L	09.12.18 18:01	U	1
Ethylbenzene	100-41-4	<0.000657	0.00200	0.000657	mg/L	09.12.18 18:01	U	1
m,p-Xylenes	179601-23-1	<0.000630	0.00400	0.000630	mg/L	09.12.18 18:01	U	1
o-Xylene	95-47-6	<0.000642	0.00200	0.000642	mg/L	09.12.18 18:01	U	1
Total Xylenes	1330-20-7	<0.000630	0.00200	0.000630	mg/L	09.12.18 18:01	U	1
Total BTEX		<0.000367	0.00200	0.000367	mg/L	09.12.18 18:01	U	1

Surrogate	% Recovery	Limits	Units	Analysis Date	Flag
1,4-Difluorobenzene	98	70 - 130	%		
4-Bromofluorobenzene	94	70 - 130	%		

Certificate of Analytical Results

598697

ARCADIS, Midland, TX

Chevron N. Eunice

Sample Id: **MW100-W-180911** Matrix: Water Sample Depth:

Lab Sample Id: 598697-007 Date Collected: 09.11.18 13.42 Date Received: 09.11.18 19.00

Analytical Method: TDS by SM2540C Prep Method:

Analyst: OJS % Moist: Tech: OJS

Seq Number: 3063197 Date Prep:

Prep seq:

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Total Dissolved Solids	1642222	**1640**	5.00	5.00	mg/L	09.12.18 17:10		1

Analytical Method: Chloride by EPA 300 Prep Method: E300P

Analyst: SCM % Moist: Tech: SCM

Seq Number: 3063340 Date Prep: 09.12.18 16.15

Prep seq: 7662143

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Chloride	16887-00-6	**789**	10.0	1.72	mg/L	09.12.18 23:59		20

Analytical Method: Dissolved Metals by SW6020A Prep Method: 3010A

Analyst: DEP % Moist: Tech: MLI

Seq Number: 3063327 Date Prep: 09.15.18 11.05

Subcontractor: SUB: T104704215-18-28 Prep seq: 7662348

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Arsenic	7440-38-2	**0.00935**	0.00400	0.000246	mg/L	09.16.18 23:56		1
Chromium	7440-47-3	<0.000525	0.00400	0.000525	mg/L	09.16.18 23:56	U	1
Iron	7439-89-6	**0.0583**	0.100	0.0227	mg/L	09.16.18 23:56	J	1
Manganese	7439-96-5	**0.253**	0.00200	0.000199	mg/L	09.16.18 23:56		1

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

Analyst: OJS % Moist: Tech: OJS

Seq Number: 3062935 Date Prep:

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	09.12.18 09:45	U	1

Certificate of Analytical Results

598697

ARCADIS, Midland, TX

Chevron N. Eunice

Sample Id: **MW076SA-W-180911** Matrix: Water Sample Depth:

Lab Sample Id: 598697-008 Date Collected: 09.11.18 14.02 Date Received: 09.11.18 19.00

Analytical Method: TDS by SM2540C Prep Method:

Analyst: OJS % Moist: Tech: OJS

Seq Number: 3063197 Date Prep:

Prep seq:

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Total Dissolved Solids	1642222	**1850**	5.00	5.00	mg/L	09.12.18 17:10		1

Analytical Method: Chloride by EPA 300 Prep Method: E300P

Analyst: SCM % Moist: Tech: SCM

Seq Number: 3063340 Date Prep: 09.12.18 16.15

Prep seq: 7662143

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Chloride	16887-00-6	**583**	10.0	1.72	mg/L	09.13.18 00:08		20

Analytical Method: Dissolved Metals by SW6020A Prep Method: 3010A

Analyst: DEP % Moist: Tech: MLI

Seq Number: 3063327 Date Prep: 09.15.18 11.05

Subcontractor: SUB: T104704215-18-28 Prep seq: 7662348

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Arsenic	7440-38-2	**0.0130**	0.00400	0.000246	mg/L	09.17.18 00:00		1
Chromium	7440-47-3	**0.0137**	0.00400	0.000525	mg/L	09.17.18 00:00		1
Iron	7439-89-6	**0.0231**	0.100	0.0227	mg/L	09.17.18 00:00	J	1
Manganese	7439-96-5	**0.000582**	0.00200	0.000199	mg/L	09.17.18 00:00	J	1

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

Analyst: OJS % Moist: Tech: OJS

Seq Number: 3062935 Date Prep:

Prep seq:

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Chromium, Hexavalent	18540-29-9	**0.00580**	0.0100	0.00273	mg/L	09.12.18 09:45	J	1

Certificate of Analytical Results
598697
ARCADIS, Midland, TX
Chevron N. Eunice

Sample Id: **MW075SA-W-180911** Matrix: Water Sample Depth:

Lab Sample Id: 598697-009 Date Collected: 09.11.18 14.12 Date Received: 09.11.18 19.00

Analytical Method: TDS by SM2540C Prep Method:

Analyst: OJS % Moist: Tech: OJS

Seq Number: 3063197 Date Prep:

Prep seq:

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Total Dissolved Solids	1642222	**1670**	5.00	5.00	mg/L	09.12.18 17:10		1

Analytical Method: Chloride by EPA 300 Prep Method: E300P

Analyst: SCM % Moist: Tech: SCM

Seq Number: 3063340 Date Prep: 09.12.18 16.15

Prep seq: 7662143

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Chloride	16887-00-6	**399**	5.00	0.858	mg/L	09.13.18 21:05		10

Analytical Method: Dissolved Metals by SW6020A Prep Method: 3010A

Analyst: DEP % Moist: Tech: MLI

Seq Number: 3063327 Date Prep: 09.15.18 11.05

Subcontractor: SUB: T104704215-18-28 Prep seq: 7662348

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Arsenic	7440-38-2	**0.0152**	0.00400	0.000246	mg/L	09.17.18 00:03		1
Chromium	7440-47-3	**0.0135**	0.00400	0.000525	mg/L	09.17.18 00:03		1
Iron	7439-89-6	<0.0227	0.100	0.0227	mg/L	09.17.18 00:03	U	1
Manganese	7439-96-5	**0.000321**	0.00200	0.000199	mg/L	09.17.18 00:03	J	1

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

Analyst: OJS % Moist: Tech: OJS

Seq Number: 3062935 Date Prep:

Prep seq:

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Chromium, Hexavalent	18540-29-9	**0.00660**	0.0100	0.00273	mg/L	09.12.18 09:45	J	1

Certificate of Analytical Results

598697

ARCADIS, Midland, TX

Chevron N. Eunice

Sample Id: **MW084SA-W-180911** Matrix: Water Sample Depth:

Lab Sample Id: 598697-010 Date Collected: 09.11.18 14.23 Date Received: 09.11.18 19.00

Analytical Method: TDS by SM2540C Prep Method:

Analyst: OJS % Moist: Tech: OJS

Seq Number: 3063197 Date Prep:

Prep seq:

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Total Dissolved Solids	1642222	**3060**	5.00	5.00	mg/L	09.12.18 17:10		1

Analytical Method: Chloride by EPA 300 Prep Method: E300P

Analyst: SCM % Moist: Tech: SCM

Seq Number: 3063340 Date Prep: 09.12.18 16.15

Prep seq: 7662143

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Chloride	16887-00-6	**1370**	25.0	4.29	mg/L	09.13.18 21:16		50

Analytical Method: Dissolved Metals by SW6020A Prep Method: 3010A

Analyst: DEP % Moist: Tech: MLI

Seq Number: 3063327 Date Prep: 09.15.18 11.05

Subcontractor: SUB: T104704215-18-28 Prep seq: 7662348

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Arsenic	7440-38-2	**0.00938**	0.00400	0.000246	mg/L	09.17.18 00:06		1
Chromium	7440-47-3	**0.0168**	0.00400	0.000525	mg/L	09.17.18 00:06		1
Iron	7439-89-6	<0.0227	0.100	0.0227	mg/L	09.17.18 00:06	U	1
Manganese	7439-96-5	**0.00290**	0.00200	0.000199	mg/L	09.17.18 00:06		1

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

Analyst: OJS % Moist: Tech: OJS

Seq Number: 3062947 Date Prep:

Prep seq:

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Chromium, Hexavalent	18540-29-9	**0.00860**	0.0100	0.00273	mg/L	09.12.18 11:30	J	1

Certificate of Analytical Results
598697
ARCADIS, Midland, TX
Chevron N. Eunice

Sample Id: **MW085SA-W-180911** Matrix: Water Sample Depth:

Lab Sample Id: 598697-011 Date Collected: 09.11.18 14.32 Date Received: 09.11.18 19.00

Analytical Method: TDS by SM2540C Prep Method:

Analyst: OJS % Moist: Tech: OJS

Seq Number: 3063197 Date Prep:

Prep seq:

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Total Dissolved Solids	1642222	**3270**	5.00	5.00	mg/L	09.12.18 17:10		1

Analytical Method: Chloride by EPA 300 Prep Method: E300P

Analyst: SCM % Moist: Tech: SCM

Seq Number: 3063340 Date Prep: 09.12.18 16.15

Prep seq: 7662143

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Chloride	16887-00-6	**1650**	25.0	4.29	mg/L	09.13.18 21:27		50

Analytical Method: Dissolved Metals by SW6020A Prep Method: 3010A

Analyst: DEP % Moist: Tech: MLI

Seq Number: 3063327 Date Prep: 09.15.18 11.05

Subcontractor: SUB: T104704215-18-28 Prep seq: 7662348

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Arsenic	7440-38-2	**0.0140**	0.00400	0.000246	mg/L	09.17.18 00:09		1
Chromium	7440-47-3	**0.0258**	0.00400	0.000525	mg/L	09.17.18 00:09		1
Iron	7439-89-6	**0.177**	0.100	0.0227	mg/L	09.17.18 00:09		1
Manganese	7439-96-5	**0.115**	0.00200	0.000199	mg/L	09.17.18 00:09		1

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

Analyst: OJS % Moist: Tech: OJS

Seq Number: 3062947 Date Prep:

Prep seq:

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Chromium, Hexavalent	18540-29-9	**0.00280**	0.0100	0.00273	mg/L	09.12.18 11:30	J	1

Certificate of Analytical Results
598697
ARCADIS, Midland, TX
Chevron N. Eunice

Sample Id: **MW086SA-W-180911** Matrix: Water Sample Depth:

Lab Sample Id: 598697-012 Date Collected: 09.11.18 14.47 Date Received: 09.11.18 19.00

Analytical Method: TDS by SM2540C Prep Method:

Analyst: OJS % Moist: Tech: OJS

Seq Number: 3063197 Date Prep:

Prep seq:

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Total Dissolved Solids	1642222	**3110**	5.00	5.00	mg/L	09.12.18 17:10		1

Analytical Method: Chloride by EPA 300 Prep Method: E300P

Analyst: SCM % Moist: Tech: SCM

Seq Number: 3063340 Date Prep: 09.12.18 16.15

Prep seq: 7662143

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Chloride	16887-00-6	**1260**	25.0	4.29	mg/L	09.13.18 21:39		50

Analytical Method: Dissolved Metals by SW6020A Prep Method: 3010A

Analyst: DEP % Moist: Tech: MLI

Seq Number: 3063327 Date Prep: 09.15.18 11.05

Subcontractor: SUB: T104704215-18-28 Prep seq: 7662348

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Arsenic	7440-38-2	**0.0123**	0.00400	0.000246	mg/L	09.17.18 00:19		1
Chromium	7440-47-3	**0.0340**	0.00400	0.000525	mg/L	09.17.18 00:19		1
Iron	7439-89-6	<0.0227	0.100	0.0227	mg/L	09.17.18 00:19	U	1
Manganese	7439-96-5	**0.00153**	0.00200	0.000199	mg/L	09.17.18 00:19	J	1

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

Analyst: OJS % Moist: Tech: OJS

Seq Number: 3062947 Date Prep:

Prep seq:

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Chromium, Hexavalent	18540-29-9	**0.0255**	0.0100	0.00273	mg/L	09.12.18 11:30		1

Certificate of Analytical Results

598697

ARCADIS, Midland, TX

Chevron N. Eunice

Sample Id: **DUP03-W-180911** Matrix: Water Sample Depth:

Lab Sample Id: 598697-013 Date Collected: 09.11.18 00.00 Date Received: 09.11.18 19.00

Analytical Method: TDS by SM2540C Prep Method:

Analyst: OJS % Moist: Tech: OJS

Seq Number: 3063197 Date Prep:

Prep seq:

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Total Dissolved Solids	1642222	**1670**	5.00	5.00	mg/L	09.12.18 17:10		1

Analytical Method: Chloride by EPA 300 Prep Method: E300P

Analyst: SCM % Moist: Tech: SCM

Seq Number: 3063340 Date Prep: 09.12.18 16.15

Prep seq: 7662143

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Chloride	16887-00-6	**641**	10.0	1.72	mg/L	09.13.18 21:50		20

Analytical Method: Dissolved Metals by SW6020A Prep Method: 3010A

Analyst: DEP % Moist: Tech: MLI

Seq Number: 3063327 Date Prep: 09.15.18 11.05

Subcontractor: SUB: T104704215-18-28 Prep seq: 7662348

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Arsenic	7440-38-2	**0.00524**	0.00400	0.000246	mg/L	09.17.18 00:22		1
Chromium	7440-47-3	**0.000605**	0.00400	0.000525	mg/L	09.17.18 00:22	J	1
Iron	7439-89-6	**0.156**	0.100	0.0227	mg/L	09.17.18 00:22		1
Manganese	7439-96-5	**0.553**	0.00200	0.000199	mg/L	09.17.18 00:22		1

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

Analyst: OJS % Moist: Tech: OJS

Seq Number: 3062947 Date Prep:

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	09.12.18 11:30	U	1

Certificate of Analytical Results

598697

ARCADIS, Midland, TX

Chevron N. Eunice

Sample Id: **DUP03-W-180911** Matrix: Water Sample Depth:

Lab Sample Id: 598697-013 Date Collected: 09.11.18 00.00 Date Received: 09.11.18 19.00

Analytical Method: TPH By SW8015 Mod Prep Method: 1005

Analyst: ARM % Moist: Tech: ARM

Seq Number: 3063336 Date Prep: 09.14.18 15.00

Prep seq: 7662365

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Gasoline Range Hydrocarbons	PHC610	<0.986	1.50	0.986	mg/L	09.15.18 02:03	U	1
Diesel Range Organics	C10C28DRO	<0.911	1.50	0.911	mg/L	09.15.18 02:03	U	1
Oil Range Hydrocarbons	PHCG2835	<0.911	1.50	0.911	mg/L	09.15.18 02:03	U	1
Total TPH	PHC635	<0.911	1.50	0.911	mg/L	09.15.18 02:03	U	1

Surrogate	% Recovery	Limits	Units	Analysis Date	Flag
1-Chlorooctane	96	70 - 135	%		
o-Terphenyl	97	70 - 135	%		

Analytical Method: BTEX by EPA 8021B Prep Method: 5030B

Analyst: ALJ % Moist: Tech: ALJ

Seq Number: 3062942 Date Prep: 09.12.18 08.00

Prep seq: 7662127

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Benzene	71-43-2	<0.000408	0.00200	0.000408	mg/L	09.12.18 19:07	U	1
Toluene	108-88-3	<0.000367	0.00200	0.000367	mg/L	09.12.18 19:07	U	1
Ethylbenzene	100-41-4	<0.000657	0.00200	0.000657	mg/L	09.12.18 19:07	U	1
m,p-Xylenes	179601-23-1	<0.000630	0.00400	0.000630	mg/L	09.12.18 19:07	U	1
o-Xylene	95-47-6	**0.00319**	0.00200	0.000642	mg/L	09.12.18 19:07		1
Total Xylenes	1330-20-7	**0.00319**	0.00200	0.000630	mg/L	09.12.18 19:07		1
Total BTEX		**0.00319**	0.00200	0.000367	mg/L	09.12.18 19:07		1

Surrogate	% Recovery	Limits	Units	Analysis Date	Flag
1,4-Difluorobenzene	85	70 - 130	%		
4-Bromofluorobenzene	117	70 - 130	%		

Certificate of Analytical Results
598697
ARCADIS, Midland, TX
Chevron N. Eunice

Sample Id: **DUP07-W-180911** Matrix: Water Sample Depth:

Lab Sample Id: 598697-014 Date Collected: 09.11.18 00.00 Date Received: 09.11.18 19.00

Analytical Method: TDS by SM2540C Prep Method:

Analyst: OJS % Moist: Tech: OJS

Seq Number: 3063197 Date Prep:

Prep seq:

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Total Dissolved Solids	1642222	**1730**	5.00	5.00	mg/L	09.12.18 17:10		1

Analytical Method: Chloride by EPA 300 Prep Method: E300P

Analyst: SCM % Moist: Tech: SCM

Seq Number: 3063340 Date Prep: 09.12.18 16.15

Prep seq: 7662143

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Chloride	16887-00-6	**865**	10.0	1.72	mg/L	09.13.18 22:01		20

Analytical Method: Dissolved Metals by SW6020A Prep Method: 3010A

Analyst: DEP % Moist: Tech: MLI

Seq Number: 3063327 Date Prep: 09.15.18 11.05

Subcontractor: SUB: T104704215-18-28 Prep seq: 7662348

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Arsenic	7440-38-2	**0.00906**	0.00400	0.000246	mg/L	09.17.18 00:25		1
Chromium	7440-47-3	<0.000525	0.00400	0.000525	mg/L	09.17.18 00:25	U	1
Iron	7439-89-6	**0.0569**	0.100	0.0227	mg/L	09.17.18 00:25	J	1
Manganese	7439-96-5	**0.223**	0.00200	0.000199	mg/L	09.17.18 00:25		1

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

Analyst: OJS % Moist: Tech: OJS

Seq Number: 3062947 Date Prep:

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	09.12.18 11:30	U	1

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ARCADIS

ID#:

CHAIN OF CUSTODY & LABORATORY ANALYSIS REQUEST FORM

Page 1 of 2

Lab Work Order # 698921

Send Results to:

Contact & Company Name: Brett Krehbiel Arcadis
Telephone: 916-786-0320
Address: 101 Creekside Ridge Court, Suite 200
Fax: 916-786-0366
City: Roseville State: CA Zip: 95678
E-mail Address: brett.krehbiel@arcadis.com
Project Name/Location (City, State): Chevron N. Eunice
Project #: B0048789.0004
Sampler's Printed Name: Jerry Shorewell
Sampler's Signature:

Sample ID	Collection Date	Collection Time	Type (✓) Comp	Type (✓) Grab	Matrix
MW071SA-W-180912	9/12/18	0911		X	W
MW074SA-W-180912	9/12/18	0926		X	W
MW056SA-W-180912	9/12/18	0940		X	W
MW055SA-W-180912	9/12/18	0954		X	W
MW066SA-W-180912	9/12/18	1005		X	W
MW073SA-W-180912	9/12/18	1016		X	W
MW072SA-W-180912	9/12/18	1135		X	W
MW021A-W-180912	9/12/18	1149		X	W
MW050SA-W-180912	9/12/18	1159		X	W
MW051SA-W-180912	9/12/18	1211		X	W
MW078SA-W-180912	9/12/18	1225		X	W
MW054SA-N-180912	9/12/18	1242		X	W
DUP04-W-180912	9/12/18			X	W
DUP05-W-180912	9/12/18			X	W

Preservative	B	B	C	E	E			
Filtered (✓)			✓	✓				
# of Containers			19	19	19			
Container Information	1	1	3	4	4			

PARAMETER ANALYSIS & METHOD

Sample ID	BTEX 8021B	TPH GRO & DRO 8015B	Dissolved As, Mn, Fe, Cr 6010B	Dissolved Hex Chromium 7196	Chloride & TDS			
MW071SA-W-180912			1	1	1			
MW074SA-W-180912			1	1	1			
MW056SA-W-180912			1	1	1			
MW055SA-W-180912			1	1	1			
MW066SA-W-180912			1	1	1			
MW073SA-W-180912			1	1	1			
MW072SA-W-180912			1	1	1			
MW021A-W-180912			1	1	1			
MW050SA-W-180912			1	1	1			
MW051SA-W-180912			1	1	1			
MW078SA-W-180912			1	1	1			
MW054SA-N-180912			1	1	1			
DUP04-W-180912			1	1	1			
DUP05-W-180912			1	1	1			

Keys

Preservation Key:
A. H_2SO_4
B. HCL
C. HNO_3
D. NaOH
E. None
F. Other: _____
G. Other: _____
H. Other: _____

Container Information Key:
1. 40 ml Vial
2. 1 L Amber
3. 250 ml Plastic
4. 500 ml Plastic
5. Encore
6. 2 oz. Glass
7. 4 oz. Glass
8. 8 oz. Glass
9. Other: _____
10. Other: _____

Matrix Key:
SO - Soil
W - Water
T - Tissue
SE - Sediment
SL - Sludge
A - Air
NL - NAPL/Oil
SW - Sample Wipe
Other: _____

REMARKS

Special Instructions/Comments:

☐ Special QA/QC Instructions(✓):

Laboratory Information and Receipt

Lab Name: Xenco
☑ Cooler packed with ice (✓)
Specify Turnaround Requirements: 5 Business DAY
Shipping Tracking #:

Cooler Custody Seal (✓): ☑ Intact ☐ Not Intact
Sample Receipt: R80.030
Condition/Cooler Temp: 3.0

Relinquished By	Received By	Relinquished By	Laboratory Received By
Printed Name: Jerry Shorewell	Printed Name: Winston Nod	Printed Name: Winston Nod	Printed Name: Katie Lane
Signature:	Signature:	Signature:	Signature:
Firm: Arcadis	Firm/Courier: Xenco	Firm/Courier: Xenco	Firm: Xenco
Date/Time: 09/12/18 1708	Date/Time: 09/12/18 17:08	Date/Time: 09/12/18 19:00	Date/Time: 9/12/18 19:00

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ARCADIS

ID#:

CHAIN OF CUSTODY & LABORATORY ANALYSIS REQUEST FORM

Page 2 of 2

Lab Work Order #: 598921

Send Results to:

Contact & Company Name: Brett Krehbiel Arcadis
Telephone: 916-786-0320
Address: 101 Creekside Ridge Court, Suite 200
Fax: 916-786-0366
City: Roseville State: CA Zip: 95678
E-mail Address: brett.krehbiel@arcadis.com
Project Name/Location (City, State): Chevron N. Eunice
Project #: B0048789.0004
Sampler's Printed Name: Jerry Slongwell
Sampler's Signature:

Preservative	B	B	C	E	E		
Filtered (✓)			✓	✓			
# of Containers			3	4	4		
Container Information	1	1	3	4	4		

Keys

Preservation Key:
A. H_2SO_4
B. HCL
C. HNO_3
D. NaOH
E. None
F. Other: _____
G. Other: _____
H. Other: _____

Container Information Key:
1. 40 ml Vial
2. 1 L Amber
3. 250 ml Plastic
4. 500 ml Plastic
5. Encore
6. 2 oz. Glass
7. 4 oz. Glass
8. 8 oz. Glass
9. Other: _____
10. Other: _____

Matrix Key:
SO - Soil
W - Water
T - Tissue
SE - Sediment
SL - Sludge
A - Air
NL - NAPL/Oil
SW - Sample Wipe
Other: _____

PARAMETER ANALYSIS & METHOD

Sample ID	Collection Date	Collection Time	Type (✓) Comp	Type (✓) Grab	Matrix	BTEX 8021B	TPH GRO & DRO 8015B	Dissolved As, Mn, Fe, Cr 6010B	Dissolved Hex Chromium 7196	Chloride & TDS	REMARKS
MW057SA-W-180912 0912	9/12/18	1809		X	W			1	1	1	
MW048SA-W-180912	9/12/18	1320		X	W			1	1	1	
MW049SA-W-180912	9/12/18	1332		X	W			1	1	1	
MW049A-W-180912	9/12/18	1347		X	W			1	1	1	
MW062A-W-180912	9/12/18	1803		X	W			1	1	1	
MW063A-W-180912	9/12/18	1824		X	W			1	1	1	
MW074A-W-180912	9/12/18	1843		X	W			1	1	1	
MW070-W-180912	9/12/18	1502		X	W			1	1	1	
DUP02-W-180912	9/12/18	—		X	W			1	1	1	

Special Instructions/Comments: MW057SA-W-180912 9/12/18 11:35

☐ Special QA/QC Instructions(✓):

Laboratory Information and Receipt		Relinquished By	Received By	Relinquished By	Laboratory Received By
Lab Name: Xenco	Cooler Custody Seal (✓) ☑ Intact ☐ Not Intact	Printed Name: Jerry S. Longwell	Printed Name: Winston Nod	Printed Name: Winston Nod	Printed Name:
☑ Cooler packed with ice (✓)		Signature:	Signature:	Signature:	Signature:
Specify Turnaround Requirements: Standard TAT	Sample Receipt: R80.03.0	Firm: Arcadis	Firm/Courier: Xenco	Firm/Courier: Xenco	Firm:
Shipping Tracking #:	Condition/Cooler Temp: 3.0	Date/Time: 09/12/18 1708	Date/Time: 09/12/18 17:08	Date/Time: 09/12/18 19:00	Date/Time:

20730826 CofC AR Form 08.27.2015

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Certificate of Analytical Results
598921
ARCADIS, Midland, TX
Chevron N. Eunice

Sample Id: **MW071SA-W-180912** Matrix: Water Sample Depth:

Lab Sample Id: 598921-001 Date Collected: 09.12.18 09.11 Date Received: 09.12.18 19.00

Analytical Method: TDS by SM2540C Prep Method:

Analyst: OJS % Moist: Tech: OJS

Seq Number: 3063197 Date Prep:

Prep seq:

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Total Dissolved Solids	1642222	**1580**	5.00	5.00	mg/L	09.13.18 16:30		1

Analytical Method: Chloride by EPA 300 Prep Method: E300P

Analyst: SCM % Moist: Tech: SCM

Seq Number: 3063369 Date Prep: 09.13.18 15.00

Prep seq: 7662262

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Chloride	16887-00-6	**613**	5.00	0.858	mg/L	09.14.18 04:28		10

Analytical Method: Dissolved Metals by SW6020A Prep Method: 3010A

Analyst: DEP % Moist: Tech: MLI

Seq Number: 3063327 Date Prep: 09.15.18 11.05

Subcontractor: SUB: T104704215-18-28 Prep seq: 7662348

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Arsenic	7440-38-2	**0.00951**	0.00400	0.000246	mg/L	09.17.18 00:28		1
Chromium	7440-47-3	**0.00142**	0.00400	0.000525	mg/L	09.17.18 00:28	J	1
Iron	7439-89-6	**0.100**	0.100	0.0227	mg/L	09.17.18 00:28	J	1
Manganese	7439-96-5	**0.293**	0.00200	0.000199	mg/L	09.17.18 00:28		1

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

Analyst: OJS % Moist: Tech: OJS

Seq Number: 3063018 Date Prep:

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	09.13.18 08:05	U	1

Certificate of Analytical Results

598921

ARCADIS, Midland, TX

Chevron N. Eunice

Sample Id: **MW074SA-W-180912** Matrix: Water Sample Depth:

Lab Sample Id: 598921-002 Date Collected: 09.12.18 09.26 Date Received: 09.12.18 19.00

Analytical Method: TDS by SM2540C Prep Method:

Analyst: OJS % Moist: Tech: OJS

Seq Number: 3063197 Date Prep:

Prep seq:

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Total Dissolved Solids	1642222	**1510**	5.00	5.00	mg/L	09.13.18 16:30		1

Analytical Method: Chloride by EPA 300 Prep Method: E300P

Analyst: SCM % Moist: Tech: SCM

Seq Number: 3063369 Date Prep: 09.13.18 15.00

Prep seq: 7662262

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Chloride	16887-00-6	**376**	5.00	0.858	mg/L	09.14.18 04:39		10

Analytical Method: Dissolved Metals by SW6020A Prep Method: 3010A

Analyst: DEP % Moist: Tech: MLI

Seq Number: 3063327 Date Prep: 09.15.18 11.05

Subcontractor: SUB: T104704215-18-28 Prep seq: 7662348

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Arsenic	7440-38-2	**0.0152**	0.00400	0.000246	mg/L	09.17.18 00:31		1
Chromium	7440-47-3	**0.00517**	0.00400	0.000525	mg/L	09.17.18 00:31		1
Iron	7439-89-6	<0.0227	0.100	0.0227	mg/L	09.17.18 00:31	U	1
Manganese	7439-96-5	**0.000226**	0.00200	0.000199	mg/L	09.17.18 00:31	J	1

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

Analyst: OJS % Moist: Tech: OJS

Seq Number: 3063018 Date Prep:

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	09.13.18 08:05	U	1

Certificate of Analytical Results
598921
ARCADIS, Midland, TX
Chevron N. Eunice

Sample Id: **MW056SA-W-180912** Matrix: Water Sample Depth:

Lab Sample Id: 598921-003 Date Collected: 09.12.18 09.42 Date Received: 09.12.18 19.00

Analytical Method: TDS by SM2540C Prep Method:

Analyst: OJS % Moist: Tech: OJS

Seq Number: 3063197 Date Prep:

Prep seq:

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Total Dissolved Solids	1642222	**3380**	5.00	5.00	mg/L	09.13.18 16:30		1

Analytical Method: Chloride by EPA 300 Prep Method: E300P

Analyst: SCM % Moist: Tech: SCM

Seq Number: 3063369 Date Prep: 09.13.18 15.00

Prep seq: 7662262

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Chloride	16887-00-6	**1130**	25.0	4.29	mg/L	09.14.18 04:50		50

Analytical Method: Dissolved Metals by SW6020A Prep Method: 3010A

Analyst: DEP % Moist: Tech: MLI

Seq Number: 3063327 Date Prep: 09.15.18 11.05

Subcontractor: SUB: T104704215-18-28 Prep seq: 7662348

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Arsenic	7440-38-2	**0.0155**	0.00400	0.000246	mg/L	09.17.18 00:35		1
Chromium	7440-47-3	**0.417**	0.00400	0.000525	mg/L	09.17.18 00:35		1
Iron	7439-89-6	**0.0257**	0.100	0.0227	mg/L	09.17.18 00:35	J	1
Manganese	7439-96-5	**0.000575**	0.00200	0.000199	mg/L	09.17.18 00:35	J	1

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

Analyst: OJS % Moist: Tech: OJS

Seq Number: 3063018 Date Prep:

Prep seq:

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Chromium, Hexavalent	18540-29-9	**0.401**	0.0100	0.00273	mg/L	09.13.18 08:05		1

Certificate of Analytical Results
598921
ARCADIS, Midland, TX
Chevron N. Eunice

Sample Id: **MW055SA-W-180912** Matrix: Water Sample Depth:

Lab Sample Id: 598921-004 Date Collected: 09.12.18 09.54 Date Received: 09.12.18 19.00

Analytical Method: TDS by SM2540C Prep Method:

Analyst: OJS % Moist: Tech: OJS

Seq Number: 3063197 Date Prep:

Prep seq:

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Total Dissolved Solids	1642222	**1660**	5.00	5.00	mg/L	09.13.18 16:30		1

Analytical Method: Chloride by EPA 300 Prep Method: E300P

Analyst: SCM % Moist: Tech: SCM

Seq Number: 3063369 Date Prep: 09.13.18 15.00

Prep seq: 7662262

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Chloride	16887-00-6	**622**	10.0	1.72	mg/L	09.14.18 05:24		20

Analytical Method: Dissolved Metals by SW6020A Prep Method: 3010A

Analyst: DEP % Moist: Tech: MLI

Seq Number: 3063327 Date Prep: 09.15.18 11.05

Subcontractor: SUB: T104704215-18-28 Prep seq: 7662348

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Arsenic	7440-38-2	**0.00784**	0.00400	0.000246	mg/L	09.17.18 00:38		1
Chromium	7440-47-3	**0.171**	0.00400	0.000525	mg/L	09.17.18 00:38		1
Iron	7439-89-6	<0.0227	0.100	0.0227	mg/L	09.17.18 00:38	U	1
Manganese	7439-96-5	**0.000439**	0.00200	0.000199	mg/L	09.17.18 00:38	J	1

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

Analyst: OJS % Moist: Tech: OJS

Seq Number: 3063018 Date Prep:

Prep seq:

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Chromium, Hexavalent	18540-29-9	**0.166**	0.0100	0.00273	mg/L	09.13.18 08:05		1

Certificate of Analytical Results
598921
ARCADIS, Midland, TX
Chevron N. Eunice

Sample Id: **MW066SA-W-180912** Matrix: Water Sample Depth:

Lab Sample Id: 598921-005 Date Collected: 09.12.18 10.05 Date Received: 09.12.18 19.00

Analytical Method: TDS by SM2540C Prep Method:

Analyst: OJS % Moist: Tech: OJS

Seq Number: 3063197 Date Prep:

Prep seq:

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Total Dissolved Solids	1642222	**2350**	5.00	5.00	mg/L	09.13.18 16:30		1

Analytical Method: Chloride by EPA 300 Prep Method: E300P

Analyst: SCM % Moist: Tech: SCM

Seq Number: 3063369 Date Prep: 09.13.18 15.00

Prep seq: 7662262

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Chloride	16887-00-6	**884**	10.0	1.72	mg/L	09.14.18 17:06		20

Analytical Method: Dissolved Metals by SW6020A Prep Method: 3010A

Analyst: DEP % Moist: Tech: MLI

Seq Number: 3063327 Date Prep: 09.15.18 11.05

Subcontractor: SUB: T104704215-18-28 Prep seq: 7662348

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Arsenic	7440-38-2	**0.00987**	0.00400	0.000246	mg/L	09.17.18 00:41		1
Chromium	7440-47-3	**0.0186**	0.00400	0.000525	mg/L	09.17.18 00:41		1
Iron	7439-89-6	**0.0408**	0.100	0.0227	mg/L	09.17.18 00:41	J	1
Manganese	7439-96-5	**0.115**	0.00200	0.000199	mg/L	09.17.18 00:41		1

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

Analyst: OJS % Moist: Tech: OJS

Seq Number: 3063018 Date Prep:

Prep seq:

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Chromium, Hexavalent	18540-29-9	**0.0137**	0.0100	0.00273	mg/L	09.13.18 08:05		1

Certificate of Analytical Results
598921
ARCADIS, Midland, TX
Chevron N. Eunice

Sample Id: **MW073SA-W-180912** Matrix: Water Sample Depth:

Lab Sample Id: 598921-006 Date Collected: 09.12.18 10.16 Date Received: 09.12.18 19.00

Analytical Method: TDS by SM2540C Prep Method:

Analyst: OJS % Moist: Tech: OJS

Seq Number: 3063197 Date Prep:

Prep seq:

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Total Dissolved Solids	1642222	**965**	5.00	5.00	mg/L	09.13.18 16:30		1

Analytical Method: Chloride by EPA 300 Prep Method: E300P

Analyst: SCM % Moist: Tech: SCM

Seq Number: 3063369 Date Prep: 09.13.18 15.00

Prep seq: 7662262

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Chloride	16887-00-6	**229**	5.00	0.858	mg/L	09.14.18 17:14		10

Analytical Method: Dissolved Metals by SW6020A Prep Method: 3010A

Analyst: DEP % Moist: Tech: AHI

Seq Number: 3063648 Date Prep: 09.17.18 10.20

Subcontractor: SUB: T104704215-18-28 Prep seq: 7662384

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Arsenic	7440-38-2	**0.0112**	0.00400	0.000246	mg/L	09.18.18 15:36		1
Chromium	7440-47-3	<0.000525	0.00400	0.000525	mg/L	09.18.18 15:36	U	1
Iron	7439-89-6	**0.231**	0.100	0.0227	mg/L	09.18.18 15:36		1
Manganese	7439-96-5	**0.00136**	0.00200	0.000199	mg/L	09.18.18 15:36	J	1

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

Analyst: OJS % Moist: Tech: OJS

Seq Number: 3063018 Date Prep:

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	09.13.18 08:05	U	1

Certificate of Analytical Results

598921

ARCADIS, Midland, TX

Chevron N. Eunice

Sample Id: **MW072SA-W-180912** Matrix: Water Sample Depth:

Lab Sample Id: 598921-007 Date Collected: 09.12.18 11.35 Date Received: 09.12.18 19.00

Analytical Method: TDS by SM2540C Prep Method:

Analyst: OJS % Moist: Tech: OJS

Seq Number: 3063326 Date Prep:

Prep seq:

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Total Dissolved Solids	1642222	**1090**	5.00	5.00	mg/L	09.13.18 15:45		1

Analytical Method: Chloride by EPA 300 Prep Method: E300P

Analyst: SCM % Moist: Tech: SCM

Seq Number: 3063369 Date Prep: 09.13.18 15.00

Prep seq: 7662262

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Chloride	16887-00-6	**238**	5.00	0.858	mg/L	09.14.18 17:21		10

Analytical Method: Dissolved Metals by SW6020A Prep Method: 3010A

Analyst: DEP % Moist: Tech: AHI

Seq Number: 3063648 Date Prep: 09.17.18 10.20

Subcontractor: SUB: T104704215-18-28 Prep seq: 7662384

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Arsenic	7440-38-2	**0.0179**	0.00400	0.000246	mg/L	09.18.18 15:40		1
Chromium	7440-47-3	<0.000525	0.00400	0.000525	mg/L	09.18.18 15:40	U	1
Iron	7439-89-6	<0.0227	0.100	0.0227	mg/L	09.18.18 15:40	U	1
Manganese	7439-96-5	**0.000362**	0.00200	0.000199	mg/L	09.18.18 15:40	J	1

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

Analyst: OJS % Moist: Tech: OJS

Seq Number: 3063018 Date Prep:

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	09.13.18 08:05	U	1

Certificate of Analytical Results
598921
ARCADIS, Midland, TX
Chevron N. Eunice

Sample Id: **MW021A-W-180912** Matrix: Water Sample Depth:

Lab Sample Id: 598921-008 Date Collected: 09.12.18 11.48 Date Received: 09.12.18 19.00

Analytical Method: Dissolved Metals by SW6020A Prep Method: 3010A

Analyst: DEP % Moist: Tech: AHI

Seq Number: 3063648 Date Prep: 09.17.18 10.20

Subcontractor: SUB: T104704215-18-28 Prep seq: 7662384

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Arsenic	7440-38-2	**0.0106**	0.00400	0.000246	mg/L	09.18.18 15:43		1
Chromium	7440-47-3	**0.00352**	0.00400	0.000525	mg/L	09.18.18 15:43	J	1
Iron	7439-89-6	<0.0227	0.100	0.0227	mg/L	09.18.18 15:43	U	1
Manganese	7439-96-5	**0.0108**	0.00200	0.000199	mg/L	09.18.18 15:43		1

Sample Id: **MW021A-W-180912** Matrix: Water Sample Depth:

Lab Sample Id: 598921-008 Date Collected: 09.12.18 11.48 Date Received: 09.12.18 19.00

Analytical Method: TDS by SM2540C Prep Method:

Analyst: OJS % Moist: Tech: OJS

Seq Number: 3063326 Date Prep:

Prep seq:

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Total Dissolved Solids	1642222	**5170**	5.00	5.00	mg/L	09.13.18 15:45		1

Analytical Method: Chloride by EPA 300 Prep Method: E300P

Analyst: SCM % Moist: Tech: SCM

Seq Number: 3063369 Date Prep: 09.13.18 15.00

Prep seq: 7662262

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Chloride	16887-00-6	**2330**	25.0	4.29	mg/L	09.14.18 17:29		50

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

Analyst: OJS % Moist: Tech: OJS

Seq Number: 3063018 Date Prep:

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	09.13.18 08:05	U	1

Certificate of Analytical Results
598921
ARCADIS, Midland, TX
Chevron N. Eunice

Sample Id: **MW050SA-W-180912** Matrix: Water Sample Depth:

Lab Sample Id: 598921-009 Date Collected: 09.12.18 11.59 Date Received: 09.12.18 19.00

Analytical Method: TDS by SM2540C Prep Method:

Analyst: OJS % Moist: Tech: OJS

Seq Number: 3063326 Date Prep:

Prep seq:

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Total Dissolved Solids	1642222	**3580**	5.00	5.00	mg/L	09.13.18 15:45		1

Analytical Method: Chloride by EPA 300 Prep Method: E300P

Analyst: SCM % Moist: Tech: SCM

Seq Number: 3063369 Date Prep: 09.13.18 15.00

Prep seq: 7662262

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Chloride	16887-00-6	**1510**	25.0	4.29	mg/L	09.14.18 17:36		50

Analytical Method: Dissolved Metals by SW6020A Prep Method: 3010A

Analyst: DEP % Moist: Tech: AHI

Seq Number: 3063648 Date Prep: 09.17.18 10.20

Subcontractor: SUB: T104704215-18-28 Prep seq: 7662384

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Arsenic	7440-38-2	**0.00822**	0.00400	0.000246	mg/L	09.18.18 15:46		1
Chromium	7440-47-3	**0.442**	0.00400	0.000525	mg/L	09.18.18 15:46		1
Iron	7439-89-6	<0.0227	0.100	0.0227	mg/L	09.18.18 15:46	U	1
Manganese	7439-96-5	**0.0204**	0.00200	0.000199	mg/L	09.18.18 15:46		1

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

Analyst: OJS % Moist: Tech: OJS

Seq Number: 3063018 Date Prep:

Prep seq:

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Chromium, Hexavalent	18540-29-9	**0.405**	0.0100	0.00273	mg/L	09.13.18 08:05		1

Certificate of Analytical Results
598921
ARCADIS, Midland, TX
Chevron N. Eunice

Sample Id: **MW051SA-W-180912** Matrix: Water Sample Depth:

Lab Sample Id: 598921-010 Date Collected: 09.12.18 12.11 Date Received: 09.12.18 19.00

Analytical Method: TDS by SM2540C Prep Method:

Analyst: OJS % Moist: Tech: OJS

Seq Number: 3063326 Date Prep:

Prep seq:

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Total Dissolved Solids	1642222	**3300**	5.00	5.00	mg/L	09.13.18 15:45		1

Analytical Method: Chloride by EPA 300 Prep Method: E300P

Analyst: SCM % Moist: Tech: SCM

Seq Number: 3063369 Date Prep: 09.13.18 15.00

Prep seq: 7662262

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Chloride	16887-00-6	**1120**	25.0	4.29	mg/L	09.14.18 17:43		50

Analytical Method: Dissolved Metals by SW6020A Prep Method: 3010A

Analyst: DEP % Moist: Tech: AHI

Seq Number: 3063648 Date Prep: 09.17.18 10.20

Subcontractor: SUB: T104704215-18-28 Prep seq: 7662384

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Arsenic	7440-38-2	**0.0116**	0.00400	0.000246	mg/L	09.18.18 15:49		1
Chromium	7440-47-3	**0.799**	0.00400	0.000525	mg/L	09.18.18 15:49		1
Iron	7439-89-6	<0.0227	0.100	0.0227	mg/L	09.18.18 15:49	U	1
Manganese	7439-96-5	**0.00236**	0.00200	0.000199	mg/L	09.18.18 15:49		1

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

Analyst: OJS % Moist: Tech: OJS

Seq Number: 3063018 Date Prep:

Prep seq:

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Chromium, Hexavalent	18540-29-9	**0.668**	0.0500	0.0136	mg/L	09.13.18 08:05		5

Certificate of Analytical Results
598921
ARCADIS, Midland, TX
Chevron N. Eunice

Sample Id: **MW079SA-W-180912** Matrix: Water Sample Depth:

Lab Sample Id: 598921-011 Date Collected: 09.12.18 12.25 Date Received: 09.12.18 19.00

Analytical Method: TDS by SM2540C Prep Method:

Analyst: OJS % Moist: Tech: OJS

Seq Number: 3063326 Date Prep:

Prep seq:

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Total Dissolved Solids	1642222	**1140**	5.00	5.00	mg/L	09.13.18 15:45		1

Analytical Method: Chloride by EPA 300 Prep Method: E300P

Analyst: SCM % Moist: Tech: SCM

Seq Number: 3063369 Date Prep: 09.13.18 15.00

Prep seq: 7662262

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Chloride	16887-00-6	**270**	5.00	0.858	mg/L	09.14.18 17:51		10

Analytical Method: Dissolved Metals by SW6020A Prep Method: 3010A

Analyst: DEP % Moist: Tech: AHI

Seq Number: 3063648 Date Prep: 09.17.18 10.20

Subcontractor: SUB: T104704215-18-28 Prep seq: 7662384

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Arsenic	7440-38-2	**0.00709**	0.00400	0.000246	mg/L	09.18.18 15:52		1
Chromium	7440-47-3	**0.000775**	0.00400	0.000525	mg/L	09.18.18 15:52	J	1
Iron	7439-89-6	**0.176**	0.100	0.0227	mg/L	09.18.18 15:52		1
Manganese	7439-96-5	**0.0406**	0.00200	0.000199	mg/L	09.18.18 15:52		1

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

Analyst: OJS % Moist: Tech: OJS

Seq Number: 3063019 Date Prep:

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	09.13.18 10:00	U	1

Certificate of Analytical Results
598921
ARCADIS, Midland, TX
Chevron N. Eunice

Sample Id: **MW054SA-W-180912** Matrix: Water Sample Depth:

Lab Sample Id: 598921-012 Date Collected: 09.12.18 12.42 Date Received: 09.12.18 19.00

Analytical Method: TDS by SM2540C Prep Method:

Analyst: OJS % Moist: Tech: OJS

Seq Number: 3063326 Date Prep:

Prep seq:

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Total Dissolved Solids	1642222	**1970**	5.00	5.00	mg/L	09.13.18 15:45		1

Analytical Method: Chloride by EPA 300 Prep Method: E300P

Analyst: SCM % Moist: Tech: SCM

Seq Number: 3063369 Date Prep: 09.13.18 15.00

Prep seq: 7662262

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Chloride	16887-00-6	**800**	10.0	1.72	mg/L	09.14.18 17:58		20

Analytical Method: Dissolved Metals by SW6020A Prep Method: 3010A

Analyst: DEP % Moist: Tech: AHI

Seq Number: 3063648 Date Prep: 09.17.18 10.20

Subcontractor: SUB: T104704215-18-28 Prep seq: 7662384

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Arsenic	7440-38-2	**0.0107**	0.00400	0.000246	mg/L	09.18.18 15:56		1
Chromium	7440-47-3	**0.131**	0.00400	0.000525	mg/L	09.18.18 15:56		1
Iron	7439-89-6	**0.103**	0.100	0.0227	mg/L	09.18.18 15:56		1
Manganese	7439-96-5	**0.00315**	0.00200	0.000199	mg/L	09.18.18 15:56		1

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

Analyst: OJS % Moist: Tech: OJS

Seq Number: 3063019 Date Prep:

Prep seq:

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Chromium, Hexavalent	18540-29-9	**0.115**	0.0100	0.00273	mg/L	09.13.18 10:00		1

Certificate of Analytical Results
598921
ARCADIS, Midland, TX
Chevron N. Eunice

Sample Id: **DUP04-W-180912** Matrix: Water Sample Depth:

Lab Sample Id: 598921-013 Date Collected: 09.12.18 00.00 Date Received: 09.12.18 19.00

Analytical Method: TDS by SM2540C Prep Method:

Analyst: OJS % Moist: Tech: OJS

Seq Number: 3063326 Date Prep:

Prep seq:

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Total Dissolved Solids	1642222	**1970**	5.00	5.00	mg/L	09.13.18 15:45		1

Analytical Method: Chloride by EPA 300 Prep Method: E300P

Analyst: SCM % Moist: Tech: SCM

Seq Number: 3063369 Date Prep: 09.13.18 15.00

Prep seq: 7662262

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Chloride	16887-00-6	**801**	10.0	1.72	mg/L	09.14.18 18:06		20

Analytical Method: Dissolved Metals by SW6020A Prep Method: 3010A

Analyst: DEP % Moist: Tech: AHI

Seq Number: 3063648 Date Prep: 09.17.18 10.20

Subcontractor: SUB: T104704215-18-28 Prep seq: 7662384

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Arsenic	7440-38-2	**0.0108**	0.00400	0.000246	mg/L	09.18.18 15:59		1
Chromium	7440-47-3	**0.129**	0.00400	0.000525	mg/L	09.18.18 15:59		1
Iron	7439-89-6	**0.0672**	0.100	0.0227	mg/L	09.18.18 15:59	J	1
Manganese	7439-96-5	**0.00235**	0.00200	0.000199	mg/L	09.18.18 15:59		1

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

Analyst: OJS % Moist: Tech: OJS

Seq Number: 3063019 Date Prep:

Prep seq:

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Chromium, Hexavalent	18540-29-9	**0.118**	0.0100	0.00273	mg/L	09.13.18 10:00		1

Certificate of Analytical Results
598921
ARCADIS, Midland, TX
Chevron N. Eunice

Sample Id: **DUP05-W-180912** Matrix: Water Sample Depth:

Lab Sample Id: 598921-014 Date Collected: 09.12.18 00.00 Date Received: 09.12.18 19.00

Analytical Method: TDS by SM2540C Prep Method:

Analyst: OJS % Moist: Tech: OJS

Seq Number: 3063326 Date Prep:

Prep seq:

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Total Dissolved Solids	1642222	**1030**	5.00	5.00	mg/L	09.13.18 15:45		1

Analytical Method: Chloride by EPA 300 Prep Method: E300P

Analyst: SCM % Moist: Tech: SCM

Seq Number: 3063369 Date Prep: 09.13.18 15.00

Prep seq: 7662262

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Chloride	16887-00-6	**269**	5.00	0.858	mg/L	09.14.18 18:13		10

Analytical Method: Dissolved Metals by SW6020A Prep Method: 3010A

Analyst: DEP % Moist: Tech: AHI

Seq Number: 3063648 Date Prep: 09.17.18 10.20

Subcontractor: SUB: T104704215-18-28 Prep seq: 7662384

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Arsenic	7440-38-2	**0.00707**	0.00400	0.000246	mg/L	09.18.18 16:02		1
Chromium	7440-47-3	**0.000783**	0.00400	0.000525	mg/L	09.18.18 16:02	J	1
Iron	7439-89-6	**0.184**	0.100	0.0227	mg/L	09.18.18 16:02		1
Manganese	7439-96-5	**0.0420**	0.00200	0.000199	mg/L	09.18.18 16:02		1

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

Analyst: OJS % Moist: Tech: OJS

Seq Number: 3063019 Date Prep:

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	09.13.18 10:00	U	1

Certificate of Analytical Results
598921
ARCADIS, Midland, TX
Chevron N. Eunice

Sample Id: **MW052SA-W-180912** Matrix: Water Sample Depth:

Lab Sample Id: 598921-015 Date Collected: 09.12.18 13.09 Date Received: 09.12.18 19.00

Analytical Method: TDS by SM2540C Prep Method:

Analyst: OJS % Moist: Tech: OJS

Seq Number: 3063326 Date Prep:

Prep seq:

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Total Dissolved Solids	1642222	**3020**	5.00	5.00	mg/L	09.13.18 15:45		1

Analytical Method: Chloride by EPA 300 Prep Method: E300P

Analyst: SCM % Moist: Tech: SCM

Seq Number: 3063369 Date Prep: 09.13.18 15.00

Prep seq: 7662262

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Chloride	16887-00-6	**1400**	25.0	4.29	mg/L	09.14.18 18:43		50

Analytical Method: Dissolved Metals by SW6020A Prep Method: 3010A

Analyst: DEP % Moist: Tech: AHI

Seq Number: 3063648 Date Prep: 09.17.18 10.20

Subcontractor: SUB: T104704215-18-28 Prep seq: 7662384

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Arsenic	7440-38-2	**0.0131**	0.00400	0.000246	mg/L	09.18.18 16:18		1
Chromium	7440-47-3	**0.242**	0.00400	0.000525	mg/L	09.18.18 16:18		1
Iron	7439-89-6	<0.0227	0.100	0.0227	mg/L	09.18.18 16:18	U	1
Manganese	7439-96-5	**0.000660**	0.00200	0.000199	mg/L	09.18.18 16:18	J	1

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

Analyst: OJS % Moist: Tech: OJS

Seq Number: 3063019 Date Prep:

Prep seq:

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Chromium, Hexavalent	18540-29-9	**0.222**	0.0100	0.00273	mg/L	09.13.18 10:00		1

Certificate of Analytical Results
598921
ARCADIS, Midland, TX
Chevron N. Eunice

Sample Id: **MW049SA-W-180912** Matrix: Water Sample Depth:

Lab Sample Id: 598921-016 Date Collected: 09.12.18 13.20 Date Received: 09.12.18 19.00

Analytical Method: TDS by SM2540C Prep Method:

Analyst: OJS % Moist: Tech: OJS

Seq Number: 3063326 Date Prep:

Prep seq:

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Total Dissolved Solids	1642222	**2960**	5.00	5.00	mg/L	09.13.18 15:45		1

Analytical Method: Chloride by EPA 300 Prep Method: E300P

Analyst: SCM % Moist: Tech: SCM

Seq Number: 3063369 Date Prep: 09.13.18 15.00

Prep seq: 7662262

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Chloride	16887-00-6	**1300**	25.0	4.29	mg/L	09.14.18 18:50		50

Analytical Method: Dissolved Metals by SW6020A Prep Method: 3010A

Analyst: DEP % Moist: Tech: AHI

Seq Number: 3063648 Date Prep: 09.17.18 10.20

Subcontractor: SUB: T104704215-18-28 Prep seq: 7662384

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Arsenic	7440-38-2	**0.0116**	0.00400	0.000246	mg/L	09.18.18 16:21		1
Chromium	7440-47-3	**0.188**	0.00400	0.000525	mg/L	09.18.18 16:21		1
Iron	7439-89-6	<0.0227	0.100	0.0227	mg/L	09.18.18 16:21	U	1
Manganese	7439-96-5	**0.000414**	0.00200	0.000199	mg/L	09.18.18 16:21	J	1

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

Analyst: OJS % Moist: Tech: OJS

Seq Number: 3063019 Date Prep:

Prep seq:

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Chromium, Hexavalent	18540-29-9	**0.171**	0.0100	0.00273	mg/L	09.13.18 10:00		1

Certificate of Analytical Results

598921

ARCADIS, Midland, TX

Chevron N. Eunice

Sample Id: **MW048SA-W-180912** Matrix: Water Sample Depth:

Lab Sample Id: 598921-017 Date Collected: 09.12.18 13.32 Date Received: 09.12.18 19.00

Analytical Method: TDS by SM2540C Prep Method:

Analyst: OJS % Moist: Tech: OJS

Seq Number: 3063326 Date Prep:

Prep seq:

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Total Dissolved Solids	1642222	**1960**	5.00	5.00	mg/L	09.13.18 15:45		1

Analytical Method: Chloride by EPA 300 Prep Method: E300P

Analyst: SCM % Moist: Tech: SCM

Seq Number: 3063369 Date Prep: 09.13.18 15.00

Prep seq: 7662262

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Chloride	16887-00-6	**583**	10.0	1.72	mg/L	09.14.18 18:58		20

Analytical Method: Dissolved Metals by SW6020A Prep Method: 3010A

Analyst: DEP % Moist: Tech: AHI

Seq Number: 3063648 Date Prep: 09.17.18 10.20

Subcontractor: SUB: T104704215-18-28 Prep seq: 7662384

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Arsenic	7440-38-2	**0.0119**	0.00400	0.000246	mg/L	09.18.18 16:24		1
Chromium	7440-47-3	**0.453**	0.00400	0.000525	mg/L	09.18.18 16:24		1
Iron	7439-89-6	**0.136**	0.100	0.0227	mg/L	09.18.18 16:24		1
Manganese	7439-96-5	**0.000896**	0.00200	0.000199	mg/L	09.18.18 16:24	J	1

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

Analyst: OJS % Moist: Tech: OJS

Seq Number: 3063019 Date Prep:

Prep seq:

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Chromium, Hexavalent	18540-29-9	**0.404**	0.0100	0.00273	mg/L	09.13.18 10:00		1

Certificate of Analytical Results
598921
ARCADIS, Midland, TX
Chevron N. Eunice

Sample Id: **MW041A-W-180912** Matrix: Water Sample Depth:

Lab Sample Id: 598921-018 Date Collected: 09.12.18 13.44 Date Received: 09.12.18 19.00

Analytical Method: TDS by SM2540C Prep Method:

Analyst: OJS % Moist: Tech: OJS

Seq Number: 3063326 Date Prep:

Prep seq:

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Total Dissolved Solids	1642222	**1600**	5.00	5.00	mg/L	09.13.18 15:45		1

Analytical Method: Chloride by EPA 300 Prep Method: E300P

Analyst: SCM % Moist: Tech: SCM

Seq Number: 3063374 Date Prep: 09.14.18 12.33

Prep seq: 7662274

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Chloride	16887-00-6	**403**	5.00	0.858	mg/L	09.15.18 00:47		10

Analytical Method: Dissolved Metals by SW6020A Prep Method: 3010A

Analyst: DEP % Moist: Tech: AHI

Seq Number: 3063648 Date Prep: 09.17.18 10.20

Subcontractor: SUB: T104704215-18-28 Prep seq: 7662384

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Arsenic	7440-38-2	**0.0103**	0.00400	0.000246	mg/L	09.18.18 16:28		1
Chromium	7440-47-3	**0.206**	0.00400	0.000525	mg/L	09.18.18 16:28		1
Iron	7439-89-6	<0.0227	0.100	0.0227	mg/L	09.18.18 16:28	U	1
Manganese	7439-96-5	**0.00121**	0.00200	0.000199	mg/L	09.18.18 16:28	J	1

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

Analyst: OJS % Moist: Tech: OJS

Seq Number: 3063019 Date Prep:

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	09.13.18 10:00		1

Certificate of Analytical Results
598921
ARCADIS, Midland, TX
Chevron N. Eunice

Sample Id: **MW062A-W-180912** Matrix: Water Sample Depth:

Lab Sample Id: 598921-019 Date Collected: 09.12.18 14.03 Date Received: 09.12.18 19.00

Analytical Method: TDS by SM2540C Prep Method:

Analyst: OJS % Moist: Tech: OJS

Seq Number: 3063326 Date Prep:

Prep seq:

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Total Dissolved Solids	1642222	**497**	5.00	5.00	mg/L	09.13.18 15:45		1

Analytical Method: Chloride by EPA 300 Prep Method: E300P

Analyst: SCM % Moist: Tech: SCM

Seq Number: 3063374 Date Prep: 09.14.18 12.33

Prep seq: 7662274

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Chloride	16887-00-6	**57.9**	2.50	0.429	mg/L	09.15.18 00:55		5

Analytical Method: Dissolved Metals by SW6020A Prep Method: 3010A

Analyst: DEP % Moist: Tech: AHI

Seq Number: 3063648 Date Prep: 09.17.18 10.20

Subcontractor: SUB: T104704215-18-28 Prep seq: 7662384

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Arsenic	7440-38-2	**0.0240**	0.00400	0.000246	mg/L	09.18.18 16:31		1
Chromium	7440-47-3	**0.00213**	0.00400	0.000525	mg/L	09.18.18 16:31	J	1
Iron	7439-89-6	<0.0227	0.100	0.0227	mg/L	09.18.18 16:31	U	1
Manganese	7439-96-5	<0.000199	0.00200	0.000199	mg/L	09.18.18 16:31	U	1

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

Analyst: OJS % Moist: Tech: OJS

Seq Number: 3063019 Date Prep:

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	09.13.18 10:00	U	1

Certificate of Analytical Results
598921
ARCADIS, Midland, TX
Chevron N. Eunice

Sample Id: **MW063A-W-180912** Matrix: Water Sample Depth:

Lab Sample Id: 598921-020 Date Collected: 09.12.18 14.14 Date Received: 09.12.18 19.00

Analytical Method: TDS by SM2540C Prep Method:

Analyst: OJS % Moist: Tech: OJS

Seq Number: 3063326 Date Prep:

Prep seq:

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Total Dissolved Solids	1642222	**472**	5.00	5.00	mg/L	09.13.18 15:45		1

Analytical Method: Chloride by EPA 300 Prep Method: E300P

Analyst: SCM % Moist: Tech: SCM

Seq Number: 3063374 Date Prep: 09.14.18 12.33

Prep seq: 7662274

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Chloride	16887-00-6	**51.7**	2.50	0.429	mg/L	09.15.18 01:02		5

Analytical Method: Dissolved Metals by SW6020A Prep Method: 3010A

Analyst: DEP % Moist: Tech: AHI

Seq Number: 3063648 Date Prep: 09.17.18 10.20

Subcontractor: SUB: T104704215-18-28 Prep seq: 7662384

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Arsenic	7440-38-2	**0.0233**	0.00400	0.000246	mg/L	09.18.18 16:34		1
Chromium	7440-47-3	**0.00162**	0.00400	0.000525	mg/L	09.18.18 16:34	J	1
Iron	7439-89-6	<0.0227	0.100	0.0227	mg/L	09.18.18 16:34	U	1
Manganese	7439-96-5	**0.000592**	0.00200	0.000199	mg/L	09.18.18 16:34	J	1

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

Analyst: OJS % Moist: Tech: OJS

Seq Number: 3063019 Date Prep:

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	09.13.18 10:00	U	1

Certificate of Analytical Results
598921
ARCADIS, Midland, TX
Chevron N. Eunice

Sample Id: **MW024A-W-180912** Matrix: Water Sample Depth:

Lab Sample Id: 598921-021 Date Collected: 09.12.18 14.43 Date Received: 09.12.18 19.00

Analytical Method: TDS by SM2540C Prep Method:

Analyst: OJS % Moist: Tech: OJS

Seq Number: 3063326 Date Prep:

Prep seq:

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Total Dissolved Solids	1642222	**2420**	5.00	5.00	mg/L	09.13.18 15:45		1

Analytical Method: Chloride by EPA 300 Prep Method: E300P

Analyst: SCM % Moist: Tech: SCM

Seq Number: 3063374 Date Prep: 09.14.18 12.33

Prep seq: 7662274

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Chloride	16887-00-6	**901**	10.0	1.72	mg/L	09.15.18 01:10		20

Analytical Method: Dissolved Metals by SW6020A Prep Method: 3010A

Analyst: DEP % Moist: Tech: AHI

Seq Number: 3063648 Date Prep: 09.17.18 10.20

Subcontractor: SUB: T104704215-18-28 Prep seq: 7662384

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Arsenic	7440-38-2	**0.0125**	0.00400	0.000246	mg/L	09.18.18 16:37		1
Chromium	7440-47-3	**0.579**	0.00400	0.000525	mg/L	09.18.18 16:37		1
Iron	7439-89-6	<0.0227	0.100	0.0227	mg/L	09.18.18 16:37	U	1
Manganese	7439-96-5	<0.000199	0.00200	0.000199	mg/L	09.18.18 16:37	U	1

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

Analyst: OJS % Moist: Tech: OJS

Seq Number: 3063022 Date Prep:

Prep seq:

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Chromium, Hexavalent	18540-29-9	**0.477**	0.0500	0.0136	mg/L	09.13.18 11:15		5

Certificate of Analytical Results
598921
ARCADIS, Midland, TX
Chevron N. Eunice

Sample Id: **MW070A-W-180912** Matrix: Water Sample Depth:

Lab Sample Id: 598921-022 Date Collected: 09.12.18 15.02 Date Received: 09.12.18 19.00

Analytical Method: TDS by SM2540C Prep Method:

Analyst: OJS % Moist: Tech: OJS

Seq Number: 3063326 Date Prep:

Prep seq:

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Total Dissolved Solids	1642222	**1120**	5.00	5.00	mg/L	09.13.18 15:45		1

Analytical Method: Chloride by EPA 300 Prep Method: E300P

Analyst: SCM % Moist: Tech: SCM

Seq Number: 3063374 Date Prep: 09.14.18 12.33

Prep seq: 7662274

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Chloride	16887-00-6	**387**	5.00	0.858	mg/L	09.15.18 01:39		10

Analytical Method: Dissolved Metals by SW6020A Prep Method: 3010A

Analyst: DEP % Moist: Tech: AHI

Seq Number: 3063675 Date Prep: 09.18.18 09.00

Subcontractor: SUB: T104704215-18-28 Prep seq: 7662476

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Arsenic	7440-38-2	**0.0145**	0.00400	0.000246	mg/L	09.18.18 20:02		1
Chromium	7440-47-3	**0.000838**	0.00400	0.000525	mg/L	09.18.18 20:02	J	1
Iron	7439-89-6	<0.0227	0.100	0.0227	mg/L	09.18.18 20:02	U	1
Manganese	7439-96-5	**0.000481**	0.00200	0.000199	mg/L	09.18.18 20:02	J	1

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

Analyst: OJS % Moist: Tech: OJS

Seq Number: 3063022 Date Prep:

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	09.13.18 11:15	U	1

Certificate of Analytical Results
598921
ARCADIS, Midland, TX
Chevron N. Eunice

Sample Id: **Dup02-W-180912** Matrix: Water Sample Depth:

Lab Sample Id: 598921-023 Date Collected: 09.12.18 00.00 Date Received: 09.12.18 19.00

Analytical Method: TDS by SM2540C Prep Method:

Analyst: OJS % Moist: Tech: OJS

Seq Number: 3063326 Date Prep:

Prep seq:

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Total Dissolved Solids	1642222	**2310**	5.00	5.00	mg/L	09.13.18 15:45		1

Analytical Method: Chloride by EPA 300 Prep Method: E300P

Analyst: SCM % Moist: Tech: SCM

Seq Number: 3063374 Date Prep: 09.14.18 12.33

Prep seq: 7662274

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Chloride	16887-00-6	**894**	10.0	1.72	mg/L	09.15.18 01:47		20

Analytical Method: Dissolved Metals by SW6020A Prep Method: 3010A

Analyst: DEP % Moist: Tech: AHI

Seq Number: 3063675 Date Prep: 09.18.18 09.00

Subcontractor: SUB: T104704215-18-28 Prep seq: 7662476

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Arsenic	7440-38-2	**0.0126**	0.00400	0.000246	mg/L	09.19.18 15:34		1
Chromium	7440-47-3	**0.547**	0.00400	0.000525	mg/L	09.19.18 15:34		1
Iron	7439-89-6	<0.0227	0.100	0.0227	mg/L	09.19.18 15:34	U	1
Manganese	7439-96-5	**0.000247**	0.00200	0.000199	mg/L	09.19.18 15:34	J	1

Sample Id: **Dup02-W-180912** Matrix: Water Sample Depth:

Lab Sample Id: 598921-023 Date Collected: 09.12.18 00.00 Date Received: 09.12.18 19.00

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

Analyst: OJS % Moist: Tech: OJS

Seq Number: 3063022 Date Prep:

Prep seq:

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Chromium, Hexavalent	18540-29-9	**0.520**	0.0500	0.0136	mg/L	09.13.18 11:15	~~K~~	5

Certificate of Analytical Results
598921
ARCADIS, Midland, TX
Chevron N. Eunice

Sample Id: **MW057SA-W-180912** Matrix: Water Sample Depth:

Lab Sample Id: 598921-024 Date Collected: 09.12.18 11.35 Date Received: 09.12.18 19.00

Analytical Method: TDS by SM2540C Prep Method:

Analyst: OJS % Moist: Tech: OJS

Seq Number: 3063326 Date Prep:

Prep seq:

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Total Dissolved Solids	1642222	**1450**	5.00	5.00	mg/L	09.13.18 15:45		1

Analytical Method: Chloride by EPA 300 Prep Method: E300P

Analyst: SCM % Moist: Tech: SCM

Seq Number: 3063374 Date Prep: 09.14.18 12.33

Prep seq: 7662274

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Chloride	16887-00-6	**346**	5.00	0.858	mg/L	09.15.18 01:54		10

Analytical Method: Dissolved Metals by SW6020A Prep Method: 3010A

Analyst: DEP % Moist: Tech: AHI

Seq Number: 3063675 Date Prep: 09.18.18 09.00

Subcontractor: SUB: T104704215-18-28 Prep seq: 7662476

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Arsenic	7440-38-2	**0.0127**	0.00400	0.000246	mg/L	09.19.18 15:37		1
Chromium	7440-47-3	**0.0387**	0.00400	0.000525	mg/L	09.19.18 15:37		1
Iron	7439-89-6	<0.0227	0.100	0.0227	mg/L	09.19.18 15:37	U	1
Manganese	7439-96-5	**0.000203**	0.00200	0.000199	mg/L	09.19.18 15:37	J	1

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

Analyst: OJS % Moist: Tech: OJS

Seq Number: 3063022 Date Prep:

Prep seq:

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Chromium, Hexavalent	18540-29-9	**0.0276**	0.0100	0.00273	mg/L	09.13.18 11:15		1

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ARCADIS

ID#:

CHAIN OF CUSTODY & LABORATORY ANALYSIS REQUEST FORM

Page 1 of 2

Lab Work Order # 590178

Send Results to:

Contact & Company Name: Brett Krehbiel Arcadis

Telephone: 916-786-0320

Address: 101 Creekside Ridge Court, Suite 200

Fax: 916-786-0366

City: Roseville State: CA Zip: 95678

E-mail Address: brett.krehbiel@arcadis.com

Project Name/Location (City, State): Chevron N. Eunice

Project #: B0048789.0004

Sampler's Printed Name: Gary S. Hongwell

Sampler's Signature:

Preservative	B	B	C	E	E		
Filtered (✓)			✓	✓			
# of Containers							
Container Information	1	1	3	4	4		

Keys

Preservation Key:
A. H_2SO_4
B. HCL
C. HNO_3
D. NaOH
E. None
F. Other: _____
G. Other: _____
H. Other: _____

Container Information Key:
1. 40 ml Vial
2. 1 L Amber
3. 250 ml Plastic
4. 500 ml Plastic
5. Encore
6. 2 oz. Glass
7. 4 oz. Glass
8. 8 oz. Glass
9. Other: _____
10. Other: _____

Matrix Key:
SO - Soil; SE - Sediment; NL - NAPL/Oil
W - Water; SL - Sludge; SW - Sample Wipe
T - Tissue; A - Air; Other: _____

PARAMETER ANALYSIS & METHOD

Sample ID	Collection Date	Collection Time	Type (✓) Comp	Type (✓) Grab	Matrix	BTEX 8021B	TPH GRO & DRO 8015B	Dissolved As, Mn, Fe, Cr 6010B	Dissolved Hex Chromium 7196	Chloride & TDS	REMARKS
MW088M-W-180913	9/13/18	1447		X	W			1	1	1	
MW013-W-180913	9/13/18	1434		X	W			1	1	1	
MW084DA-W-180913	9/13/18	1429		X	W			1	1	1	
MW010-W-180913	9/13/18	1421		X	W			1	1	1	
MW019A-W-180913	9/13/18	1409		X	W			1	1	1	
MW018-W-180913	9/13/18	1346		X	W			1	1	1	
MW020A-W-180913	9/13/18	1400		X	W			1	1	1	
MW099-W-180913	9/13/18	1321		X	W			1	1	1	
MW015A-W-180913	9/13/18	1289		X	W			1	1	1	
MW026-W-180913	9/13/18	1239		X	W			1	1	1	
MW027-W-180913	9/13/18	1228		X	W			1	1	1	
MW032-W-180913	9/13/18	1213		X	W			1	1	1	
MW068-W-180913	9/13/18	1144		X	W			2	1	1	
MW061-W-180913	9/13/18	1132		X	W			1	1	1	

Special Instructions/Comments:

☐ Special QA/QC Instructions(✓):

Laboratory Information and Receipt

Lab Name: Xenco

☐ Cooler packed with ice (✓)

Specify Turnaround Requirements: Standard TAT

Shipping Tracking #:

Cooler Custody Seal (✓): ☑ Intact ☐ Not Intact

Sample Receipt: 190.03.0

Condition/Cooler Temp: 3.0

Relinquished By	Received By	Relinquished By	Laboratory Received By
Printed Name: Gary Shongwell	Printed Name: Winston Abbey	Printed Name: Winston Abbey	Printed Name: Brianna Teel
Signature:	Signature:	Signature:	Signature:
Firm: Arcadis	Firm/Courier: Xenco	Firm/Courier: Xenco	Firm: Xenco
Date/Time: 9/14/18 1657	Date/Time: 09/13/18 16:57	Date/Time: 09/13/18 19:00	Date/Time: 9/13/18 1900

20730826 CofC AR Form 08.27.2015

Distribution: WHITE – Laboratory returns with results; YELLOW – Lab copy; PINK – Retained by Arcadis

Received by OCD: 3/25/2020 3:45:40 PM

Released to Imaging: 6/14/2022 10:44:20 AM

Final 1.001

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ARCADIS

ID#:

CHAIN OF CUSTODY & LABORATORY ANALYSIS REQUEST FORM

Page 2 of 2

Lab Work Order #: 599078

Send Results to:

Contact & Company Name: Brett Krehbiel Arcadis
Telephone: 916-786-0320
Address: 101 Creekside Ridge Court, Suite 200
Fax: 916-786-0366
City: Roseville State: CA Zip: 95678
E-mail Address: brett.krehbiel@arcadis.com
Project Name/Location (City, State): Chevron N. Eunice
Project #: B0048789.0004
Sampler's Printed Name: Jerry Shoemaker
Sampler's Signature:

Sample ID	Collection Date	Collection Time	Type (✓) Comp	Type (✓) Grab	Matrix	Preservative	Filtered (✓)	# of Containers	Container Information	BTEX 8021B	TPH GRO & DRO 8015B	Dissolved As, Mn, Fe, Cr 6010B	Dissolved Hex Chromium 7196	Chloride & TDS
						B	B	C	E	E				
								✓	✓					
						1	1	3	4	4				
MW095-W-180913	9/13/18	1117		X	W							1	1	1
MW030-W-180913	9/13/18	0958		X	W							1	1	1
MW031-W-180913	9/13/18	1030		X	W							1	1	1
MW060-W-180913	9/13/18	1103		X	W							1	1	1
MW059-W-180913	9/13/18	1010		X	W							1	1	1
MW069-W-180913	9/13/18	1041		X	W							1	1	1
MW023-W-180913	9/13/18	1020		X	W							1	1	1

Keys

Preservation Key:
A. H_2SO_4
B. HCL
C. HNO_3
D. NaOH
E. None
F. Other: _____
G. Other: _____
H. Other: _____

Container Information Key:
1. 40 ml Vial
2. 1 L Amber
3. 250 ml Plastic
4. 500 ml Plastic
5. Encore
6. 2 oz. Glass
7. 4 oz. Glass
8. 8 oz. Glass
9. Other: _____
10. Other: _____

Matrix Key:
SO - Soil
SE - Sediment
NL - NAPL/Oil
W - Water
SL - Sludge
SW - Sample Wipe
T - Tissue
A - Air
Other: _____

REMARKS

Special Instructions/Comments:

☐ Special QA/QC Instructions(✓):

Laboratory Information and Receipt

Lab Name: Xenco
☐ Cooler packed with ice (✓)
Specify Turnaround Requirements: Standard TAT
Shipping Tracking #:
Cooler Custody Seal (✓): ☑ Intact ☐ Not Intact
Sample Receipt: Received
Condition/Cooler Temp: 3.0

Relinquished By	Received By	Relinquished By	Laboratory Received By
Printed Name: Jerry Shoemaker	Printed Name: Winston Neal	Printed Name: Winston Neal	Printed Name: Brittney Teel
Signature:	Signature:	Signature:	Signature:
Firm: Arcadis	Firm/Courier: Xenco	Firm/Courier: Xenco	Firm: Xenco
Date/Time: 9/13/18 1657	Date/Time: 09/13/18 16:57	Date/Time: 09/13/18 1900	Date/Time: 9/13/18 1900

20730826 CofC AR Form 08.27.2015

Distribution: WHITE – Laboratory returns with results YELLOW – Lab copy PINK – Retained by Arcadis

Received by OCD: 3/25/2020 3:45:40 PM
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Final 1.001
Released to Imaging: 6/14/2022 10:44:20 AM

Certificate of Analytical Results

599078

ARCADIS, Midland, TX

Chevron N. Eunice

Sample Id: **MW088M-W-180913** Matrix: Water Sample Depth:

Lab Sample Id: 599078-001 Date Collected: 09.13.18 14.47 Date Received: 09.13.18 19.00

Analytical Method: TDS by SM2540C Prep Method:

Analyst: OJS % Moist: Tech: OJS

Seq Number: 3063565 Date Prep:

Prep seq:

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Total Dissolved Solids	1642222	**3200**	5.00	5.00	mg/L	09.15.18 12:00		1

Analytical Method: Chloride by EPA 300 Prep Method: E300P

Analyst: SCM % Moist: Tech: CHE

Seq Number: 3063721 Date Prep: 09.18.18 13.15

Prep seq: 7662536

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Chloride	16887-00-6	**1760**	25.0	4.29	mg/L	09.18.18 18:46		50

Analytical Method: Dissolved Metals by SW6020A Prep Method: 3010A

Analyst: DEP % Moist: Tech: AHI

Seq Number: 3063648 Date Prep: 09.17.18 10.20

Subcontractor: SUB: T104704215-18-28 Prep seq: 7662384

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Arsenic	7440-38-2	**0.0234**	0.00400	0.000246	mg/L	09.18.18 16:12		1
Chromium	7440-47-3	**0.157**	0.00400	0.000525	mg/L	09.18.18 16:12		1
Iron	7439-89-6	**1.99**	0.100	0.0227	mg/L	09.18.18 16:12		1
Manganese	7439-96-5	**0.994**	0.0200	0.00199	mg/L	11.08.18 14:15	D	10

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

Analyst: OJS % Moist: Tech: OJS

Seq Number: 3063189 Date Prep:

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	09.14.18 07:20	U	1

Certificate of Analytical Results

599078

ARCADIS, Midland, TX

Chevron N. Eunice

Sample Id: **MW013-W-180913** Matrix: Water Sample Depth:

Lab Sample Id: 599078-002 Date Collected: 09.13.18 14.38 Date Received: 09.13.18 19.00

Analytical Method: TDS by SM2540C Prep Method:

Analyst: OJS % Moist: Tech: OJS

Seq Number: 3063565 Date Prep:

Prep seq:

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Total Dissolved Solids	1642222	**2810**	5.00	5.00	mg/L	09.15.18 12:00		1

Analytical Method: Chloride by EPA 300 Prep Method: E300P

Analyst: SCM % Moist: Tech: CHE

Seq Number: 3063721 Date Prep: 09.18.18 13.15

Prep seq: 7662536

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Chloride	16887-00-6	**692**	10.0	1.72	mg/L	09.18.18 18:56		20

Analytical Method: Dissolved Metals by SW6020A Prep Method: 3010A

Analyst: DEP % Moist: Tech: AHI

Seq Number: 3063648 Date Prep: 09.17.18 10.20

Subcontractor: SUB: T104704215-18-28 Prep seq: 7662384

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Arsenic	7440-38-2	**0.00757**	0.00400	0.000246	mg/L	09.18.18 16:15		1
Chromium	7440-47-3	**1.76**	0.00400	0.000525	mg/L	09.18.18 16:15		1
Iron	7439-89-6	<0.0227	0.100	0.0227	mg/L	09.18.18 16:15	U	1
Manganese	7439-96-5	**0.000747**	0.00200	0.000199	mg/L	09.18.18 16:15	J	1

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

Analyst: OJS % Moist: Tech: OJS

Seq Number: 3063189 Date Prep:

Prep seq:

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Chromium, Hexavalent	18540-29-9	**1.84**	0.0500	0.0136	mg/L	09.14.18 07:20		5

Certificate of Analytical Results

599078

ARCADIS, Midland, TX

Chevron N. Eunice

Sample Id: **MW040A-W-180913** Matrix: Water Sample Depth:

Lab Sample Id: 599078-003 Date Collected: 09.13.18 14.29 Date Received: 09.13.18 19.00

Analytical Method: TDS by SM2540C Prep Method:

Analyst: OJS % Moist: Tech: OJS

Seq Number: 3063565 Date Prep:

Prep seq:

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Total Dissolved Solids	1642222	**497**	5.00	5.00	mg/L	09.15.18 12:00		1

Analytical Method: Chloride by EPA 300 Prep Method: E300P

Analyst: SCM % Moist: Tech: CHE

Seq Number: 3063721 Date Prep: 09.18.18 13.15

Prep seq: 7662536

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Chloride	16887-00-6	**51.6**	2.50	0.429	mg/L	09.18.18 19:07		5

Analytical Method: Dissolved Metals by SW6020A Prep Method: 3010A

Analyst: DEP % Moist: Tech: AHI

Seq Number: 3063675 Date Prep: 09.18.18 09.00

Subcontractor: SUB: T104704215-18-28 Prep seq: 7662476

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Arsenic	7440-38-2	**0.0195**	0.0200	0.00123	mg/L	09.19.18 17:20	J	5
Chromium	7440-47-3	<0.00262	0.0200	0.00262	mg/L	09.19.18 17:20	U	5
Iron	7439-89-6	<0.114	0.500	0.114	mg/L	09.19.18 17:20	U	5
Manganese	7439-96-5	**0.00163**	0.0100	0.000993	mg/L	09.19.18 17:20	J	5

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

Analyst: OJS % Moist: Tech: OJS

Seq Number: 3063189 Date Prep:

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	09.14.18 07:20	U	1

Certificate of Analytical Results

599078

ARCADIS, Midland, TX

Chevron N. Eunice

Sample Id: **MW010-W-180913** Matrix: Water Sample Depth:

Lab Sample Id: 599078-004 Date Collected: 09.13.18 14.21 Date Received: 09.13.18 19.00

Analytical Method: TDS by SM2540C Prep Method:

Analyst: OJS % Moist: Tech: OJS

Seq Number: 3063565 Date Prep:

Prep seq:

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Total Dissolved Solids	1642222	**4990**	5.00	5.00	mg/L	09.15.18 12:00		1

Analytical Method: Chloride by EPA 300 Prep Method: E300P

Analyst: SCM % Moist: Tech: CHE

Seq Number: 3063721 Date Prep: 09.18.18 13.15

Prep seq: 7662536

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Chloride	16887-00-6	**2550**	25.0	4.29	mg/L	09.18.18 19:17		50

Analytical Method: Dissolved Metals by SW6020A Prep Method: 3010A

Analyst: DEP % Moist: Tech: AHI

Seq Number: 3063675 Date Prep: 09.18.18 09.00

Subcontractor: SUB: T104704215-18-28 Prep seq: 7662476

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Arsenic	7440-38-2	**0.00939**	0.0200	0.00123	mg/L	09.19.18 17:23	J	5
Chromium	7440-47-3	**0.0228**	0.0200	0.00262	mg/L	09.19.18 17:23		5
Iron	7439-89-6	<0.114	0.500	0.114	mg/L	09.19.18 17:23	U	5
Manganese	7439-96-5	**0.00206**	0.0100	0.000993	mg/L	09.19.18 17:23	J	5

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

Analyst: OJS % Moist: Tech: OJS

Seq Number: 3063189 Date Prep:

Prep seq:

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Chromium, Hexavalent	18540-29-9	**0.0120**	0.0100	0.00273	mg/L	09.14.18 07:20		1

Certificate of Analytical Results

599078

ARCADIS, Midland, TX

Chevron N. Eunice

Sample Id: **MW019A-W-180913** Matrix: Water Sample Depth:

Lab Sample Id: 599078-005 Date Collected: 09.13.18 14.09 Date Received: 09.13.18 19.00

Analytical Method: TDS by SM2540C Prep Method:

Analyst: OJS % Moist: Tech: OJS

Seq Number: 3063565 Date Prep:

Prep seq:

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Total Dissolved Solids	1642222	**1170**	5.00	5.00	mg/L	09.15.18 12:00		1

Analytical Method: Chloride by EPA 300 Prep Method: E300P

Analyst: SCM % Moist: Tech: CHE

Seq Number: 3063721 Date Prep: 09.18.18 13.15

Prep seq: 7662536

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Chloride	16887-00-6	**291**	5.00	0.858	mg/L	09.18.18 19:48		10

Analytical Method: Dissolved Metals by SW6020A Prep Method: 3010A

Analyst: DEP % Moist: Tech: AHI

Seq Number: 3063675 Date Prep: 09.18.18 09.00

Subcontractor: SUB: T104704215-18-28 Prep seq: 7662476

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Arsenic	7440-38-2	**0.0116**	0.0200	0.00123	mg/L	09.19.18 17:26	J	5
Chromium	7440-47-3	<0.00262	0.0200	0.00262	mg/L	09.19.18 17:26	U	5
Iron	7439-89-6	<0.114	0.500	0.114	mg/L	09.19.18 17:26	U	5
Manganese	7439-96-5	**0.0118**	0.0100	0.000993	mg/L	09.19.18 17:26		5

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

Analyst: OJS % Moist: Tech: OJS

Seq Number: 3063189 Date Prep:

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	09.14.18 07:20	U	1

Certificate of Analytical Results

599078

ARCADIS, Midland, TX

Chevron N. Eunice

Sample Id: **MW018-W-180913** Matrix: Water Sample Depth:

Lab Sample Id: 599078-006 Date Collected: 09.13.18 13.46 Date Received: 09.13.18 19.00

Analytical Method: TDS by SM2540C Prep Method:

Analyst: OJS % Moist: Tech: OJS

Seq Number: 3063565 Date Prep:

Prep seq:

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Total Dissolved Solids	1642222	**2210**	5.00	5.00	mg/L	09.15.18 12:00		1

Analytical Method: Chloride by EPA 300 Prep Method: E300P

Analyst: SCM % Moist: Tech: CHE

Seq Number: 3063721 Date Prep: 09.18.18 13.15

Prep seq: 7662536

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Chloride	16887-00-6	**528**	10.0	1.72	mg/L	09.18.18 19:58		20

Analytical Method: Dissolved Metals by SW6020A Prep Method: 3010A

Analyst: DEP % Moist: Tech: AHI

Seq Number: 3063675 Date Prep: 09.18.18 09.00

Subcontractor: SUB: T104704215-18-28 Prep seq: 7662476

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Arsenic	7440-38-2	**0.00937**	0.0200	0.00123	mg/L	09.19.18 17:29	J	5
Chromium	7440-47-3	<0.00262	0.0200	0.00262	mg/L	09.19.18 17:29	U	5
Iron	7439-89-6	<0.114	0.500	0.114	mg/L	09.19.18 17:29	U	5
Manganese	7439-96-5	**0.00220**	0.0100	0.000993	mg/L	09.19.18 17:29	J	5

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

Analyst: OJS % Moist: Tech: OJS

Seq Number: 3063189 Date Prep:

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	09.14.18 07:20	U	1

Certificate of Analytical Results

599078

ARCADIS, Midland, TX

Chevron N. Eunice

Sample Id: **MW020A-W-180913** Matrix: Water Sample Depth:

Lab Sample Id: 599078-007 Date Collected: 09.13.18 14.00 Date Received: 09.13.18 19.00

Analytical Method: TDS by SM2540C Prep Method:

Analyst: OJS % Moist: Tech: OJS

Seq Number: 3063565 Date Prep:

Prep seq:

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Total Dissolved Solids	1642222	**2370**	5.00	5.00	mg/L	09.15.18 12:00		1

Analytical Method: Chloride by EPA 300 Prep Method: E300P

Analyst: SCM % Moist: Tech: CHE

Seq Number: 3063721 Date Prep: 09.18.18 13.15

Prep seq: 7662536

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Chloride	16887-00-6	**961**	10.0	1.72	mg/L	09.18.18 20:09		20

Analytical Method: Dissolved Metals by SW6020A Prep Method: 3010A

Analyst: DEP % Moist: Tech: AHI

Seq Number: 3063675 Date Prep: 09.18.18 09.00

Subcontractor: SUB: T104704215-18-28 Prep seq: 7662476

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Arsenic	7440-38-2	**0.0112**	0.0200	0.00123	mg/L	09.19.18 17:32	J	5
Chromium	7440-47-3	**0.00675**	0.0200	0.00262	mg/L	09.19.18 17:32	J	5
Iron	7439-89-6	<0.114	0.500	0.114	mg/L	09.19.18 17:32	U	5
Manganese	7439-96-5	**0.00217**	0.0100	0.000993	mg/L	09.19.18 17:32	J	5

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

Analyst: OJS % Moist: Tech: OJS

Seq Number: 3063189 Date Prep:

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	09.14.18 07:20	U	1

Certificate of Analytical Results
599078
ARCADIS, Midland, TX
Chevron N. Eunice

Sample Id: **MW099-W-180913** Matrix: Water Sample Depth:

Lab Sample Id: 599078-008 Date Collected: 09.13.18 13.21 Date Received: 09.13.18 19.00

Analytical Method: TDS by SM2540C Prep Method:

Analyst: OJS % Moist: Tech: OJS

Seq Number: 3063565 Date Prep:

Prep seq:

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Total Dissolved Solids	1642222	**496**	5.00	5.00	mg/L	09.15.18 12:00		1

Analytical Method: Chloride by EPA 300 Prep Method: E300P

Analyst: SCM % Moist: Tech: CHE

Seq Number: 3063721 Date Prep: 09.18.18 13.15

Prep seq: 7662536

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Chloride	16887-00-6	**64.6**	2.50	0.429	mg/L	09.18.18 20:19		5

Analytical Method: Dissolved Metals by SW6020A Prep Method: 3010A

Analyst: DEP % Moist: Tech: AHI

Seq Number: 3063675 Date Prep: 09.18.18 09.00

Subcontractor: SUB: T104704215-18-28 Prep seq: 7662476

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Arsenic	7440-38-2	**0.00898**	0.0200	0.00123	mg/L	09.19.18 17:36	J	5
Chromium	7440-47-3	<0.00262	0.0200	0.00262	mg/L	09.19.18 17:36	U	5
Iron	7439-89-6	<0.114	0.500	0.114	mg/L	09.19.18 17:36	U	5
Manganese	7439-96-5	**0.219**	0.0100	0.000993	mg/L	09.19.18 17:36		5

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

Analyst: OJS % Moist: Tech: OJS

Seq Number: 3063189 Date Prep:

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	09.14.18 07:20	U	1

Certificate of Analytical Results

599078

ARCADIS, Midland, TX

Chevron N. Eunice

Sample Id: **MW015A-W-180913** Matrix: Water Sample Depth:

Lab Sample Id: 599078-009 Date Collected: 09.13.18 12.49 Date Received: 09.13.18 19.00

Analytical Method: TDS by SM2540C Prep Method:

Analyst: OJS % Moist: Tech: OJS

Seq Number: 3063565 Date Prep:

Prep seq:

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Total Dissolved Solids	1642222	**9850**	5.00	5.00	mg/L	09.15.18 12:00		1

Analytical Method: Chloride by EPA 300 Prep Method: E300P

Analyst: SCM % Moist: Tech: CHE

Seq Number: 3063721 Date Prep: 09.18.18 13.15

Prep seq: 7662536

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Chloride	16887-00-6	**5950**	25.0	4.29	mg/L	09.18.18 20:29		50

Analytical Method: Dissolved Metals by SW6020A Prep Method: 3010A

Analyst: DEP % Moist: Tech: AHI

Seq Number: 3063675 Date Prep: 09.18.18 09.00

Subcontractor: SUB: T104704215-18-28 Prep seq: 7662476

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Arsenic	7440-38-2	**0.00882**	0.0200	0.00123	mg/L	09.19.18 17:39	J	5
Chromium	7440-47-3	**0.00534**	0.0200	0.00262	mg/L	09.19.18 17:39	J	5
Iron	7439-89-6	**0.164**	0.500	0.114	mg/L	09.19.18 17:39	J	5
Manganese	7439-96-5	**0.0197**	0.0100	0.000993	mg/L	09.19.18 17:39		5

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

Analyst: OJS % Moist: Tech: OJS

Seq Number: 3063189 Date Prep:

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	09.14.18 07:20	U	1

Certificate of Analytical Results

599078

ARCADIS, Midland, TX

Chevron N. Eunice

Sample Id: **MW026-W-180913** Matrix: Water Sample Depth:

Lab Sample Id: 599078-010 Date Collected: 09.13.18 12.39 Date Received: 09.13.18 19.00

Analytical Method: TDS by SM2540C Prep Method:

Analyst: OJS % Moist: Tech: OJS

Seq Number: 3063565 Date Prep:

Prep seq:

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Total Dissolved Solids	1642222	**860**	5.00	5.00	mg/L	09.15.18 12:00		1

Analytical Method: Chloride by EPA 300 Prep Method: E300P

Analyst: SCM % Moist: Tech: CHE

Seq Number: 3063721 Date Prep: 09.18.18 13.15

Prep seq: 7662536

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Chloride	16887-00-6	**129**	2.50	0.429	mg/L	09.18.18 21:11		5

Analytical Method: Dissolved Metals by SW6020A Prep Method: 3010A

Analyst: DEP % Moist: Tech: AHI

Seq Number: 3063675 Date Prep: 09.18.18 09.00

Subcontractor: SUB: T104704215-18-28 Prep seq: 7662476

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Arsenic	7440-38-2	**0.00774**	0.0200	0.00123	mg/L	09.19.18 17:42	J	5
Chromium	7440-47-3	<0.00262	0.0200	0.00262	mg/L	09.19.18 17:42	U	5
Iron	7439-89-6	<0.114	0.500	0.114	mg/L	09.19.18 17:42	U	5
Manganese	7439-96-5	**0.00160**	0.0100	0.000993	mg/L	09.19.18 17:42	J	5

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

Analyst: OJS % Moist: Tech: OJS

Seq Number: 3063189 Date Prep:

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	09.14.18 07:20	U	1

Certificate of Analytical Results

599078

ARCADIS, Midland, TX

Chevron N. Eunice

Sample Id: **MW027-W-180913** Matrix: Water Sample Depth:

Lab Sample Id: 599078-011 Date Collected: 09.13.18 12.28 Date Received: 09.13.18 19.00

Analytical Method: TDS by SM2540C Prep Method:

Analyst: OJS % Moist: Tech: OJS

Seq Number: 3063565 Date Prep:

Prep seq:

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Total Dissolved Solids	1642222	**1600**	5.00	5.00	mg/L	09.15.18 12:00		1

Analytical Method: Chloride by EPA 300 Prep Method: E300P

Analyst: SCM % Moist: Tech: CHE

Seq Number: 3063721 Date Prep: 09.18.18 13.15

Prep seq: 7662536

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Chloride	16887-00-6	**355**	5.00	0.858	mg/L	09.18.18 21:21		10

Analytical Method: Dissolved Metals by SW6020A Prep Method: 3010A

Analyst: DEP % Moist: Tech: AHI

Seq Number: 3063675 Date Prep: 09.18.18 09.00

Subcontractor: SUB: T104704215-18-28 Prep seq: 7662476

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Arsenic	7440-38-2	**0.00682**	0.0200	0.00123	mg/L	09.19.18 17:45	J	5
Chromium	7440-47-3	<0.00262	0.0200	0.00262	mg/L	09.19.18 17:45	U	5
Iron	7439-89-6	<0.114	0.500	0.114	mg/L	09.19.18 17:45	U	5
Manganese	7439-96-5	**0.00133**	0.0100	0.000993	mg/L	09.19.18 17:45	J	5

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

Analyst: OJS % Moist: Tech: OJS

Seq Number: 3063195 Date Prep:

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	09.14.18 08:15	U	1

Certificate of Analytical Results

599078

ARCADIS, Midland, TX

Chevron N. Eunice

Sample Id: **MW032-W-180913** Matrix: Water Sample Depth:

Lab Sample Id: 599078-012 Date Collected: 09.13.18 12.19 Date Received: 09.13.18 19.00

Analytical Method: TDS by SM2540C Prep Method:

Analyst: OJS % Moist: Tech: OJS

Seq Number: 3063565 Date Prep:

Prep seq:

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Total Dissolved Solids	1642222	**1190**	5.00	5.00	mg/L	09.15.18 12:00		1

Analytical Method: Chloride by EPA 300 Prep Method: E300P

Analyst: SCM % Moist: Tech: CHE

Seq Number: 3063721 Date Prep: 09.18.18 13.15

Prep seq: 7662536

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Chloride	16887-00-6	**309**	5.00	0.858	mg/L	09.18.18 21:52		10

Analytical Method: Dissolved Metals by SW6020A Prep Method: 3010A

Analyst: DEP % Moist: Tech: AHI

Seq Number: 3063675 Date Prep: 09.18.18 09.00

Subcontractor: SUB: T104704215-18-28 Prep seq: 7662476

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Arsenic	7440-38-2	**0.00389**	0.0200	0.00123	mg/L	09.19.18 17:58	J	5
Chromium	7440-47-3	<0.00262	0.0200	0.00262	mg/L	09.19.18 17:58	U	5
Iron	7439-89-6	<0.114	0.500	0.114	mg/L	09.19.18 17:58	U	5
Manganese	7439-96-5	**0.00249**	0.0100	0.000993	mg/L	09.19.18 17:58	J	5

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

Analyst: OJS % Moist: Tech: OJS

Seq Number: 3063195 Date Prep:

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	09.14.18 08:15	U	1

Certificate of Analytical Results

599078

ARCADIS, Midland, TX

Chevron N. Eunice

Sample Id: **MW068-W-180913** Matrix: Water Sample Depth:

Lab Sample Id: 599078-013 Date Collected: 09.13.18 11.44 Date Received: 09.13.18 19.00

Analytical Method: TDS by SM2540C Prep Method:

Analyst: OJS % Moist: Tech: OJS

Seq Number: 3063565 Date Prep:

Prep seq:

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Total Dissolved Solids	1642222	**18000**	5.00	5.00	mg/L	09.15.18 12:00		1

Analytical Method: Chloride by EPA 300 Prep Method: E300P

Analyst: SCM % Moist: Tech: CHE

Seq Number: 3063721 Date Prep: 09.18.18 13.15

Prep seq: 7662536

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Chloride	16887-00-6	**11700**	50.0	8.58	mg/L	09.18.18 22:03		100

Analytical Method: Dissolved Metals by SW6020A Prep Method: 3010A

Analyst: DEP % Moist: Tech: AHI

Seq Number: 3063675 Date Prep: 09.18.18 09.00

Subcontractor: SUB: T104704215-18-28 Prep seq: 7662476

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Arsenic	7440-38-2	**0.0180**	0.0200	0.00123	mg/L	09.19.18 18:01	J	5
Chromium	7440-47-3	<0.00262	0.0200	0.00262	mg/L	09.19.18 18:01	U	5
Iron	7439-89-6	**0.345**	0.500	0.114	mg/L	09.19.18 18:01	J	5
Manganese	7439-96-5	**2.37**	0.0100	0.000993	mg/L	09.19.18 18:01		5

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

Analyst: OJS % Moist: Tech: OJS

Seq Number: 3063195 Date Prep:

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	09.14.18 08:15	U	1

Certificate of Analytical Results

599078

ARCADIS, Midland, TX

Chevron N. Eunice

Sample Id: **MW061-W-180913** Matrix: Water Sample Depth:

Lab Sample Id: 599078-014 Date Collected: 09.13.18 11.32 Date Received: 09.13.18 19.00

Analytical Method: TDS by SM2540C Prep Method:

Analyst: OJS % Moist: Tech: OJS

Seq Number: 3063565 Date Prep:

Prep seq:

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Total Dissolved Solids	1642222	**3830**	5.00	5.00	mg/L	09.15.18 12:00		1

Analytical Method: Chloride by EPA 300 Prep Method: E300P

Analyst: SCM % Moist: Tech: CHE

Seq Number: 3063721 Date Prep: 09.18.18 13.15

Prep seq: 7662536

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Chloride	16887-00-6	**1060**	25.0	4.29	mg/L	09.18.18 22:13		50

Analytical Method: Dissolved Metals by SW6020A Prep Method: 3010A

Analyst: DEP % Moist: Tech: AHI

Seq Number: 3063675 Date Prep: 09.18.18 09.00

Subcontractor: SUB: T104704215-18-28 Prep seq: 7662476

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Arsenic	7440-38-2	**0.0120**	0.0200	0.00123	mg/L	09.19.18 18:04	J	5
Chromium	7440-47-3	**1.56**	0.0200	0.00262	mg/L	09.19.18 18:04		5
Iron	7439-89-6	<0.114	0.500	0.114	mg/L	09.19.18 18:04	U	5
Manganese	7439-96-5	**0.0360**	0.0100	0.000993	mg/L	09.19.18 18:04		5

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

Analyst: OJS % Moist: Tech: OJS

Seq Number: 3063195 Date Prep:

Prep seq:

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Chromium, Hexavalent	18540-29-9	**1.44**	0.0500	0.0136	mg/L	09.14.18 08:15		5

Certificate of Analytical Results

599078

ARCADIS, Midland, TX

Chevron N. Eunice

Sample Id: **MW095-W-180913** Matrix: Water Sample Depth:

Lab Sample Id: 599078-015 Date Collected: 09.13.18 11.17 Date Received: 09.13.18 19.00

Analytical Method: TDS by SM2540C Prep Method:

Analyst: OJS % Moist: Tech: OJS

Seq Number: 3063565 Date Prep:

Prep seq:

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Total Dissolved Solids	1642222	**3650**	5.00	5.00	mg/L	09.15.18 12:00		1

Analytical Method: Chloride by EPA 300 Prep Method: E300P

Analyst: SCM % Moist: Tech: CHE

Seq Number: 3063721 Date Prep: 09.18.18 13.15

Prep seq: 7662536

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Chloride	16887-00-6	**1380**	25.0	4.29	mg/L	09.18.18 22:23		50

Analytical Method: Dissolved Metals by SW6020A Prep Method: 3010A

Analyst: DEP % Moist: Tech: AHI

Seq Number: 3063675 Date Prep: 09.18.18 09.00

Subcontractor: SUB: T104704215-18-28 Prep seq: 7662476

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Arsenic	7440-38-2	**0.00984**	0.0200	0.00123	mg/L	09.19.18 18:08	J	5
Chromium	7440-47-3	**3.93**	0.0200	0.00262	mg/L	09.19.18 18:08		5
Iron	7439-89-6	<0.114	0.500	0.114	mg/L	09.19.18 18:08	U	5
Manganese	7439-96-5	**0.140**	0.0100	0.000993	mg/L	09.19.18 18:08		5

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

Analyst: OJS % Moist: Tech: OJS

Seq Number: 3063195 Date Prep:

Prep seq:

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Chromium, Hexavalent	18540-29-9	**3.62**	0.200	0.0545	mg/L	09.14.18 08:15		20

Certificate of Analytical Results

599078

ARCADIS, Midland, TX

Chevron N. Eunice

Sample Id: **MW030-W-180913** Matrix: Water Sample Depth:

Lab Sample Id: 599078-016 Date Collected: 09.13.18 09.58 Date Received: 09.13.18 19.00

Analytical Method: TDS by SM2540C Prep Method:

Analyst: OJS % Moist: Tech: OJS

Seq Number: 3063565 Date Prep:

Prep seq:

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Total Dissolved Solids	1642222	**726**	5.00	5.00	mg/L	09.15.18 12:00		1

Analytical Method: Chloride by EPA 300 Prep Method: E300P

Analyst: SCM % Moist: Tech: CHE

Seq Number: 3063721 Date Prep: 09.18.18 13.15

Prep seq: 7662536

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Chloride	16887-00-6	**245**	2.50	0.429	mg/L	09.18.18 22:34		5

Analytical Method: Dissolved Metals by SW6020A Prep Method: 3010A

Analyst: DEP % Moist: Tech: AHI

Seq Number: 3063675 Date Prep: 09.18.18 09.00

Subcontractor: SUB: T104704215-18-28 Prep seq: 7662476

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Arsenic	7440-38-2	**0.0189**	0.0200	0.00123	mg/L	09.19.18 18:11	J	5
Chromium	7440-47-3	<0.00262	0.0200	0.00262	mg/L	09.19.18 18:11	U	5
Iron	7439-89-6	<0.114	0.500	0.114	mg/L	09.19.18 18:11	U	5
Manganese	7439-96-5	**0.00159**	0.0100	0.000993	mg/L	09.19.18 18:11	J	5

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

Analyst: OJS % Moist: Tech: OJS

Seq Number: 3063195 Date Prep:

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	09.14.18 08:15	U	1

Certificate of Analytical Results

599078

ARCADIS, Midland, TX

Chevron N. Eunice

Sample Id: **MW031-W-180913** Matrix: Water Sample Depth:

Lab Sample Id: 599078-017 Date Collected: 09.13.18 10.30 Date Received: 09.13.18 19.00

Analytical Method: TDS by SM2540C Prep Method:

Analyst: OJS % Moist: Tech: OJS

Seq Number: 3063565 Date Prep:

Prep seq:

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Total Dissolved Solids	1642222	**832**	5.00	5.00	mg/L	09.15.18 12:00		1

Analytical Method: Chloride by EPA 300 Prep Method: E300P

Analyst: SCM % Moist: Tech: CHE

Seq Number: 3063721 Date Prep: 09.18.18 13.15

Prep seq: 7662536

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Chloride	16887-00-6	**233**	5.00	0.858	mg/L	09.18.18 22:44		10

Analytical Method: Dissolved Metals by SW6020A Prep Method: 3010A

Analyst: DEP % Moist: Tech: AHI

Seq Number: 3063675 Date Prep: 09.18.18 09.00

Subcontractor: SUB: T104704215-18-28 Prep seq: 7662476

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Arsenic	7440-38-2	**0.102**	0.0200	0.00123	mg/L	09.19.18 18:14		5
Chromium	7440-47-3	<0.00262	0.0200	0.00262	mg/L	09.19.18 18:14	U	5
Iron	7439-89-6	**4.17**	0.500	0.114	mg/L	09.19.18 18:14		5
Manganese	7439-96-5	**1.02**	0.0100	0.000993	mg/L	09.19.18 18:14		5

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

Analyst: OJS % Moist: Tech: OJS

Seq Number: 3063195 Date Prep:

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	09.14.18 08:15	U	1

Certificate of Analytical Results
599078
ARCADIS, Midland, TX
Chevron N. Eunice

Sample Id: **MW060-W-180913** Matrix: Water Sample Depth:

Lab Sample Id: ~~599078-018~~ Date Collected: 09.13.18 11.03 Date Received: 09.13.18 19.00

Analytical Method: TDS by SM2540C Prep Method:

Analyst: OJS % Moist: Tech: OJS

Seq Number: 3063565 Date Prep:

Prep seq:

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Total Dissolved Solids	1642222	**3470**	5.00	5.00	mg/L	09.15.18 12:00		1

Analytical Method: Chloride by EPA 300 Prep Method: E300P

Analyst: SCM % Moist: Tech: CHE

Seq Number: 3063721 Date Prep: 09.18.18 13.15

Prep seq: 7662536

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Chloride	16887-00-6	**1560**	25.0	4.29	mg/L	09.18.18 22:54		50

Analytical Method: Dissolved Metals by SW6020A Prep Method: 3010A

Analyst: DEP % Moist: Tech: AHI

Seq Number: 3063675 Date Prep: 09.18.18 09.00

Subcontractor: SUB: T104704215-18-28 Prep seq: 7662476

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Arsenic	7440-38-2	**0.00342**	0.0200	0.00123	mg/L	09.19.18 18:17	J	5
Chromium	7440-47-3	<0.00262	0.0200	0.00262	mg/L	09.19.18 18:17	U	5
Iron	7439-89-6	**0.765**	0.500	0.114	mg/L	09.19.18 18:17		5
Manganese	7439-96-5	**10.5**	0.100	0.00993	mg/L	11.08.18 14:12	~~D~~	50

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

Analyst: OJS % Moist: Tech: OJS

Seq Number: 3063195 Date Prep:

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	09.14.18 08:15	U	1

Certificate of Analytical Results

599078

ARCADIS, Midland, TX

Chevron N. Eunice

Sample Id: **MW059-W-180913** Matrix: Water Sample Depth:

Lab Sample Id: 599078-019 Date Collected: 09.13.18 10.10 Date Received: 09.13.18 19.00

Analytical Method: TDS by SM2540C Prep Method:

Analyst: OJS % Moist: Tech: OJS

Seq Number: 3063565 Date Prep:

Prep seq:

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Total Dissolved Solids	1642222	**3070**	5.00	5.00	mg/L	09.15.18 12:00		1

Analytical Method: Chloride by EPA 300 Prep Method: E300P

Analyst: SCM % Moist: Tech: SCM

Seq Number: 3063723 Date Prep: 09.18.18 15.00

Prep seq: 7662538

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Chloride	16887-00-6	**904**	25.0	4.29	mg/L	09.19.18 00:27		50

Analytical Method: Dissolved Metals by SW6020A Prep Method: 3010A

Analyst: DEP % Moist: Tech: AHI

Seq Number: 3063675 Date Prep: 09.18.18 09.00

Subcontractor: SUB: T104704215-18-28 Prep seq: 7662476

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Arsenic	7440-38-2	**0.0141**	0.0200	0.00123	mg/L	09.19.18 18:20	J	5
Chromium	7440-47-3	**0.556**	0.0200	0.00262	mg/L	09.19.18 18:20		5
Iron	7439-89-6	<0.114	0.500	0.114	mg/L	09.19.18 18:20	U	5
Manganese	7439-96-5	**0.00308**	0.0100	0.000993	mg/L	09.19.18 18:20	J	5

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

Analyst: OJS % Moist: Tech: OJS

Seq Number: 3063195 Date Prep:

Prep seq:

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Chromium, Hexavalent	18540-29-9	**0.469**	0.0500	0.0136	mg/L	09.14.18 08:15		5

Certificate of Analytical Results
599078
ARCADIS, Midland, TX
Chevron N. Eunice

Sample Id: **MW069-W-180913** Matrix: Water Sample Depth:

Lab Sample Id: 599078-020 Date Collected: 09.13.18 10.41 Date Received: 09.13.18 19.00

Analytical Method: TDS by SM2540C Prep Method:

Analyst: OJS % Moist: Tech: OJS

Seq Number: 3063565 Date Prep:

Prep seq:

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Total Dissolved Solids	1642222	**1990**	5.00	5.00	mg/L	09.15.18 12:00		1

Analytical Method: Chloride by EPA 300 Prep Method: E300P

Analyst: SCM % Moist: Tech: SCM

Seq Number: 3063723 Date Prep: 09.18.18 15.00

Prep seq: 7662538

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Chloride	16887-00-6	**804**	10.0	1.72	mg/L	09.19.18 00:38		20

Analytical Method: Dissolved Metals by SW6020A Prep Method: 3010A

Analyst: DEP % Moist: Tech: AHI

Seq Number: 3063644 Date Prep: 09.18.18 09.00

Subcontractor: SUB: T104704215-18-28 Prep seq: 7662477

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Arsenic	7440-38-2	**0.0149**	0.00400	0.000246	mg/L	09.18.18 18:26		1
Chromium	7440-47-3	<0.000525	0.00400	0.000525	mg/L	09.18.18 18:26	U	1
Iron	7439-89-6	**0.563**	0.100	0.0227	mg/L	09.18.18 18:26		1
Manganese	7439-96-5	**0.774**	0.00200	0.000199	mg/L	09.18.18 18:26		1

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

Analyst: OJS % Moist: Tech: OJS

Seq Number: 3063196 Date Prep:

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	09.14.18 09:00	U	1

Certificate of Analytical Results

599078

ARCADIS, Midland, TX

Chevron N. Eunice

Sample Id: **MW023-W-180913** Matrix: Water Sample Depth:

Lab Sample Id: 599078-021 Date Collected: 09.13.18 10.20 Date Received: 09.13.18 19.00

Analytical Method: TDS by SM2540C Prep Method:

Analyst: OJS % Moist: Tech: OJS

Seq Number: 3063679 Date Prep:

Prep seq:

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Total Dissolved Solids	1642222	**3160**	5.00	5.00	mg/L	09.17.18 16:00		1

Analytical Method: Chloride by EPA 300 Prep Method: E300P

Analyst: SCM % Moist: Tech: SCM

Seq Number: 3063723 Date Prep: 09.18.18 15.00

Prep seq: 7662538

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Chloride	16887-00-6	**785**	25.0	4.29	mg/L	09.19.18 00:48		50

Analytical Method: Dissolved Metals by SW6020A Prep Method: 3010A

Analyst: DEP % Moist: Tech: AHI

Seq Number: 3063644 Date Prep: 09.18.18 09.00

Subcontractor: SUB: T104704215-18-28 Prep seq: 7662477

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Arsenic	7440-38-2	**0.00933**	0.00400	0.000246	mg/L	09.18.18 18:54		1
Chromium	7440-47-3	**1.72**	0.00400	0.000525	mg/L	09.18.18 18:54		1
Iron	7439-89-6	<0.0227	0.100	0.0227	mg/L	09.18.18 18:54	U	1
Manganese	7439-96-5	<0.000199	0.00200	0.000199	mg/L	09.18.18 18:54	U	1

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

Analyst: OJS % Moist: Tech: OJS

Seq Number: 3063195 Date Prep:

Prep seq:

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Chromium, Hexavalent	18540-29-9	**1.43**	0.0500	0.0136	mg/L	09.14.18 08:15		5

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ARCADIS

ID#:

CHAIN OF CUSTODY & LABORATORY ANALYSIS REQUEST FORM

Page 1 of 1

Lab Work Order #: 599188

Send Results to:

Contact & Company Name: Brett Krehbiel Arcadis
Telephone: 916-786-0320
Address: 101 Creekside Ridge Court, Suite 200
Fax: 916-786-0366
City: Roseville State: CA Zip: 95678
E-mail Address: brett.krehbiel@arcadis.com
Project Name/Location (City, State): Chevron N. Eunice
Project #: B0048789.0004
Sampler's Printed Name: Jerry Montgomery
Sampler's Signature:

Sample ID	Collection Date	Collection Time	Type (✓) Comp	Type (✓) Grab	Matrix	# of Containers	BTEX 8021B	TPH GRO & DRO 8015B	Dissolved As, Mn, Fe, Cr 6010B	Dissolved Hex Chromium 7196	Chloride & TDS
MW07A-W-180914	9/14/18	0946		X	W	1			1	1	1
MW011A-W-180914	9/14/18	1014		X	W	1			1	1	1
MW002A-W-180914	9/14/18	1034		X	W	1			1	1	1
DUP-1-W-180914	9/14/18	—		X	W	1			1	1	1
MW01EA-W-180914	9/14/18	1113		X	W	1			1	1	1
MW047-W-180914	9/14/18	0957		X	W	1			1	1	1
MW008M-W-180914	9/14/18	0957		X	W	1			1	1	1
MW099A-W-180914	9/14/18	0926		X	W	1			1	1	1
MW004A-W-180914	9/14/18	0917		X	W	1			1	1	1
DUP2-W-180914	9/14/18	—		X	W	1			1	1	1
EW023-W-180914	9/14/18	0850		X	W	1			1	1	1
MW035A-W-180914	9/14/18	0904		X	W	1			1	1	1

Preservative: B B C E E
Filtered (✓): ✓ ✓
# of Containers
Container Information: 1 1 3 4 4

Keys

Preservation Key: A. H_2SO_4 B. HCL C. HNO_3 D. NaOH E. None F. Other: _____ G. Other: _____ H. Other: _____

Container Information Key: 1. 40 ml Vial 2. 1 L Amber 3. 250 ml Plastic 4. 500 ml Plastic 5. Encore 6. 2 oz. Glass 7. 4 oz. Glass 8. 8 oz. Glass 9. Other: _____ 10. Other: _____

Matrix Key: SO - Soil SE - Sediment NL - NAPL/Oil W - Water SL - Sludge SW - Sample Wipe T - Tissue A - Air Other: _____

REMARKS

Special Instructions/Comments:

☐ Special QA/QC Instructions(✓):

Temp. 5.3 R8 0.0

Laboratory Information and Receipt		Relinquished By	Received By	Relinquished By	Laboratory Received By
Lab Name: Xenco	Cooler Custody Seal (✓) ☐ Intact ☐ Not Intact	Printed Name: Jerry Montgomery	Printed Name: Shawnee Gomez	Printed Name:	Printed Name:
☒ Cooler packed with ice (✓)		Signature:	Signature: Shawnee Gomez	Signature:	Signature:
Specify Turnaround Requirements: Standard TAT	Sample Receipt:	Firm: Arcadis	Firm/Courier: Xenco	Firm/Courier:	Firm:
Shipping Tracking #:	Condition/Cooler Temp: _____	Date/Time: 09/14/18 1514	Date/Time: 9.14.18 15:14	Date/Time:	Date/Time:

20730828 CofC AR Form 08.27.2015

Distribution: WHITE – Laboratory returns with results YELLOW – Lab copy PINK – Retained by Arcadis

Received by OCD: 3/25/2020 3:45:40 PM
Released to Imaging: 6/14/2022 10:44:20 AM
Final 1.002
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Certificate of Analytical Results

599188

ARCADIS, Midland, TX

Chevron N. Eunice

Sample Id: **MW007A-W-180914** Matrix: Water Sample Depth:

Lab Sample Id: 599188-001 Date Collected: 09.14.18 09.46 Date Received: 09.14.18 15.14

Analytical Method: TDS by SM2540C Prep Method:

Analyst: OJS % Moist: Tech: OJS

Seq Number: 3063679 Date Prep:

Prep seq:

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Total Dissolved Solids	1642222	**3040**	5.00	5.00	mg/L	09.17.18 16:00		1

Analytical Method: Chloride by EPA 300 Prep Method: E300P

Analyst: SCM % Moist: Tech: SCM

Seq Number: 3063723 Date Prep: 09.18.18 15.00

Prep seq: 7662538

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Chloride	16887-00-6	**801**	10.0	1.72	mg/L	09.19.18 01:29		20

Analytical Method: Dissolved Metals by SW6020A Prep Method: 3010A

Analyst: DEP % Moist: Tech: AHI

Seq Number: 3063644 Date Prep: 09.18.18 09.00

Subcontractor: SUB: T104704215-18-28 Prep seq: 7662477

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Arsenic	7440-38-2	**0.0115**	0.00400	0.000246	mg/L	09.18.18 18:58		1
Chromium	7440-47-3	**0.763**	0.00400	0.000525	mg/L	09.18.18 18:58		1
Iron	7439-89-6	<0.0227	0.100	0.0227	mg/L	09.18.18 18:58	U	1
Manganese	7439-96-5	**0.000655**	0.00200	0.000199	mg/L	09.18.18 18:58	J	1

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

Analyst: OJS % Moist: Tech: OJS

Seq Number: 3063196 Date Prep:

Prep seq:

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Chromium, Hexavalent	18540-29-9	**0.670**	0.0500	0.0136	mg/L	09.14.18 16:00		5

Certificate of Analytical Results
599188
ARCADIS, Midland, TX
Chevron N. Eunice

Sample Id: **MW011A-W-180914** Matrix: Water Sample Depth:

Lab Sample Id: 599188-002 Date Collected: 09.14.18 12.53 Date Received: 09.14.18 15.14

Analytical Method: TDS by SM2540C Prep Method:

Analyst: OJS % Moist: Tech: OJS

Seq Number: 3063679 Date Prep:

Prep seq:

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Total Dissolved Solids	1642222	**2160**	5.00	5.00	mg/L	09.17.18 16:00		1

Analytical Method: Dissolved Metals by SW6020A Prep Method: 3010A

Analyst: DEP % Moist: Tech: AHI

Seq Number: 3063644 Date Prep: 09.18.18 09.00

Subcontractor: SUB: T104704215-18-28 Prep seq: 7662477

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Arsenic	7440-38-2	**0.0142**	0.00400	0.000246	mg/L	09.18.18 19:01		1
Chromium	7440-47-3	**0.291**	0.00400	0.000525	mg/L	09.18.18 19:01		1
Iron	7439-89-6	<0.0227	0.100	0.0227	mg/L	09.18.18 19:01	U	1
Manganese	7439-96-5	**0.193**	0.00200	0.000199	mg/L	09.18.18 19:01		1

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

Analyst: OJS % Moist: Tech: OJS

Seq Number: 3063196 Date Prep:

Prep seq:

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Chromium, Hexavalent	18540-29-9	**0.242**	0.0100	0.00273	mg/L	09.14.18 16:00		1

Sample Id: **MW011A-W-180914** Matrix: Water Sample Depth:

Lab Sample Id: 599188-002 Date Collected: 09.14.18 12.53 Date Received: 09.14.18 15.14

Analytical Method: Chloride by EPA 300 Prep Method: E300P

Analyst: SCM % Moist: Tech: SCM

Seq Number: 3063723 Date Prep: 09.18.18 15.00

Prep seq: 7662538

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Chloride	16887-00-6	**646**	10.0	1.72	mg/L	09.19.18 01:40		20

Certificate of Analytical Results
599188
ARCADIS, Midland, TX
Chevron N. Eunice

Sample Id: **MW002A-W-180914** Matrix: Water Sample Depth:

Lab Sample Id: 599188-003 Date Collected: 09.14.18 09.46 Date Received: 09.14.18 15.14

Analytical Method: TDS by SM2540C Prep Method:

Analyst: OJS % Moist: Tech: OJS

Seq Number: 3063679 Date Prep:

Prep seq:

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Total Dissolved Solids	1642222	**3330**	5.00	5.00	mg/L	09.17.18 16:00		1

Analytical Method: Chloride by EPA 300 Prep Method: E300P

Analyst: SCM % Moist: Tech: SCM

Seq Number: 3063723 Date Prep: 09.18.18 15.00

Prep seq: 7662538

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Chloride	16887-00-6	**1610**	25.0	4.29	mg/L	09.19.18 01:50		50

Analytical Method: Dissolved Metals by SW6020A Prep Method: 3010A

Analyst: DEP % Moist: Tech: AHI

Seq Number: 3063644 Date Prep: 09.18.18 09.00

Subcontractor: SUB: T104704215-18-28 Prep seq: 7662477

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Arsenic	7440-38-2	**0.0195**	0.00400	0.000246	mg/L	09.18.18 19:04		1
Chromium	7440-47-3	**0.963**	0.00400	0.000525	mg/L	09.18.18 19:04		1
Iron	7439-89-6	<0.0227	0.100	0.0227	mg/L	09.18.18 19:04	U	1
Manganese	7439-96-5	**0.0193**	0.00200	0.000199	mg/L	09.18.18 19:04		1

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

Analyst: OJS % Moist: Tech: OJS

Seq Number: 3063196 Date Prep:

Prep seq:

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Chromium, Hexavalent	18540-29-9	**0.796**	0.0500	0.0136	mg/L	09.14.18 16:00		5

Certificate of Analytical Results
599188
ARCADIS, Midland, TX
Chevron N. Eunice

Sample Id: **DUP01-W-180914** Matrix: Water Sample Depth:

Lab Sample Id: 599188-004 Date Collected: 09.14.18 10.18 Date Received: 09.14.18 15.14

Analytical Method: Dissolved Metals by SW6020A Prep Method: 3010A

Analyst: DEP % Moist: Tech: AHI

Seq Number: 3063644 Date Prep: 09.18.18 09.00

Subcontractor: SUB: T104704215-18-28 Prep seq: 7662477

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Arsenic	7440-38-2	**0.0136**	0.00400	0.000246	mg/L	09.18.18 19:07		1
Chromium	7440-47-3	**0.277**	0.00400	0.000525	mg/L	09.18.18 19:07		1
Iron	7439-89-6	<0.0227	0.100	0.0227	mg/L	09.18.18 19:07	U	1
Manganese	7439-96-5	**0.187**	0.00200	0.000199	mg/L	09.18.18 19:07		1

Sample Id: **DUP01-W-180914** Matrix: Water Sample Depth:

Lab Sample Id: 599188-004 Date Collected: 09.14.18 10.18 Date Received: 09.14.18 15.14

Analytical Method: TDS by SM2540C Prep Method:

Analyst: OJS % Moist: Tech: OJS

Seq Number: 3063679 Date Prep:

Prep seq:

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Total Dissolved Solids	1642222	**2080**	5.00	5.00	mg/L	09.17.18 16:00		1

Analytical Method: Chloride by EPA 300 Prep Method: E300P

Analyst: SCM % Moist: Tech: SCM

Seq Number: 3063723 Date Prep: 09.18.18 15.00

Prep seq: 7662538

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Chloride	16887-00-6	**576**	10.0	1.72	mg/L	09.19.18 02:00		20

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

Analyst: OJS % Moist: Tech: OJS

Seq Number: 3063196 Date Prep:

Prep seq:

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Chromium, Hexavalent	18540-29-9	**0.239**	0.0100	0.00273	mg/L	09.14.18 16:00		1

Certificate of Analytical Results
599188
ARCADIS, Midland, TX
Chevron N. Eunice

Sample Id: **MW016A-W-180914** Matrix: Water Sample Depth:

Lab Sample Id: 599188-005 Date Collected: 09.14.18 10.34 Date Received: 09.14.18 15.14

Analytical Method: TDS by SM2540C Prep Method:

Analyst: OJS % Moist: Tech: OJS

Seq Number: 3063679 Date Prep:

Prep seq:

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Total Dissolved Solids	1642222	**1290**	5.00	5.00	mg/L	09.17.18 16:00		1

Analytical Method: Chloride by EPA 300 Prep Method: E300P

Analyst: SCM % Moist: Tech: SCM

Seq Number: 3063723 Date Prep: 09.18.18 15.00

Prep seq: 7662538

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Chloride	16887-00-6	**513**	5.00	0.858	mg/L	09.19.18 02:11		10

Analytical Method: Dissolved Metals by SW6020A Prep Method: 3010A

Analyst: DEP % Moist: Tech: AHI

Seq Number: 3063644 Date Prep: 09.18.18 09.00

Subcontractor: SUB: T104704215-18-28 Prep seq: 7662477

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Arsenic	7440-38-2	**0.00914**	0.00400	0.000246	mg/L	09.18.18 19:10		1
Chromium	7440-47-3	**0.00528**	0.00400	0.000525	mg/L	09.18.18 19:10		1
Iron	7439-89-6	<0.0227	0.100	0.0227	mg/L	09.18.18 19:10	U	1
Manganese	7439-96-5	<0.000199	0.00200	0.000199	mg/L	09.18.18 19:10	U	1

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

Analyst: OJS % Moist: Tech: OJS

Seq Number: 3063315 Date Prep:

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	09.14.18 16:00	U	1

Certificate of Analytical Results
599188
ARCADIS, Midland, TX
Chevron N. Eunice

Sample Id: **MW047-W-180914** Matrix: Water Sample Depth:

Lab Sample Id: 599188-006 Date Collected: 09.14.18 00.00 Date Received: 09.14.18 15.14

Analytical Method: TDS by SM2540C Prep Method:

Analyst: OJS % Moist: Tech: OJS

Seq Number: 3063679 Date Prep:

Prep seq:

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Total Dissolved Solids	1642222	**1950**	5.00	5.00	mg/L	09.17.18 16:00		1

Analytical Method: Chloride by EPA 300 Prep Method: E300P

Analyst: SCM % Moist: Tech: SCM

Seq Number: 3063723 Date Prep: 09.18.18 15.00

Prep seq: 7662538

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Chloride	16887-00-6	**276**	10.0	1.72	mg/L	09.19.18 02:52		20

Analytical Method: Dissolved Metals by SW6020A Prep Method: 3010A

Analyst: DEP % Moist: Tech: AHI

Seq Number: 3063644 Date Prep: 09.18.18 09.00

Subcontractor: SUB: T104704215-18-28 Prep seq: 7662477

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Arsenic	7440-38-2	**0.0120**	0.00400	0.000246	mg/L	09.19.18 17:55		1
Chromium	7440-47-3	**0.0600**	0.00400	0.000525	mg/L	09.19.18 17:55		1
Iron	7439-89-6	<0.0227	0.100	0.0227	mg/L	09.18.18 19:14	U	1
Manganese	7439-96-5	<0.000199	0.00200	0.000199	mg/L	09.18.18 19:14	U	1

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

Analyst: OJS % Moist: Tech: OJS

Seq Number: 3063315 Date Prep:

Prep seq:

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Chromium, Hexavalent	18540-29-9	**0.0507**	0.0100	0.00273	mg/L	09.14.18 16:00		1

Certificate of Analytical Results
599188
ARCADIS, Midland, TX
Chevron N. Eunice

Sample Id: **MW008M-W-180914** Matrix: Water Sample Depth:

Lab Sample Id: 599188-007 Date Collected: 09.14.18 11.13 Date Received: 09.14.18 15.14

Analytical Method: TDS by SM2540C Prep Method:

Analyst: OJS % Moist: Tech: OJS

Seq Number: 3063679 Date Prep:

Prep seq:

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Total Dissolved Solids	1642222	**4600**	5.00	5.00	mg/L	09.17.18 16:00		1

Analytical Method: Chloride by EPA 300 Prep Method: E300P

Analyst: SCM % Moist: Tech: SCM

Seq Number: 3063723 Date Prep: 09.18.18 15.00

Prep seq: 7662538

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Chloride	16887-00-6	**1350**	25.0	4.29	mg/L	09.19.18 03:03		50

Analytical Method: Dissolved Metals by SW6020A Prep Method: 3010A

Analyst: DEP % Moist: Tech: AHI

Seq Number: 3063644 Date Prep: 09.18.18 09.00

Subcontractor: SUB: T104704215-18-28 Prep seq: 7662477

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Arsenic	7440-38-2	**0.00312**	0.00400	0.000246	mg/L	09.18.18 19:17	J	1
Chromium	7440-47-3	**0.00775**	0.00400	0.000525	mg/L	09.18.18 19:17		1
Iron	7439-89-6	**40.4**	0.100	0.0227	mg/L	09.18.18 19:17		1
Manganese	7439-96-5	**3.08**	0.0400	0.00397	mg/L	11.08.18 14:09	D	20

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

Analyst: OJS % Moist: Tech: OJS

Seq Number: 3063196 Date Prep:

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	09.14.18 16:00	U	1

Certificate of Analytical Results
599188
ARCADIS, Midland, TX
Chevron N. Eunice

Sample Id: **MW089SA-W-180914** Matrix: Water Sample Depth:

Lab Sample Id: 599188-008 Date Collected: 09.14.18 09.32 Date Received: 09.14.18 15.14

Analytical Method: TDS by SM2540C Prep Method:

Analyst: OJS % Moist: Tech: OJS

Seq Number: 3063679 Date Prep:

Prep seq:

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Total Dissolved Solids	1642222	**3780**	5.00	5.00	mg/L	09.17.18 16:00		1

Analytical Method: Chloride by EPA 300 Prep Method: E300P

Analyst: SCM % Moist: Tech: SCM

Seq Number: 3063723 Date Prep: 09.18.18 15.00

Prep seq: 7662538

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Chloride	16887-00-6	**1040**	25.0	4.29	mg/L	09.19.18 08:22		50

Analytical Method: Dissolved Metals by SW6020A Prep Method: 3010A

Analyst: DEP % Moist: Tech: AHI

Seq Number: 3063644 Date Prep: 09.18.18 09.00

Subcontractor: SUB: T104704215-18-28 Prep seq: 7662477

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Arsenic	7440-38-2	**0.0109**	0.00400	0.000246	mg/L	09.18.18 19:26		1
Chromium	7440-47-3	**1.18**	0.00400	0.000525	mg/L	09.18.18 19:26		1
Iron	7439-89-6	<0.0227	0.100	0.0227	mg/L	09.18.18 19:26	U	1
Manganese	7439-96-5	**0.000448**	0.00200	0.000199	mg/L	09.18.18 19:26	J	1

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

Analyst: OJS % Moist: Tech: OJS

Seq Number: 3063315 Date Prep:

Prep seq:

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Chromium, Hexavalent	18540-29-9	**1.04**	0.0500	0.0136	mg/L	09.14.18 16:00		5

Certificate of Analytical Results
599188
ARCADIS, Midland, TX
Chevron N. Eunice

Sample Id: **MW004A-W-180914** Matrix: Water Sample Depth:

Lab Sample Id: 599188-009 Date Collected: 09.14.18 09.57 Date Received: 09.14.18 15.14

Analytical Method: TDS by SM2540C Prep Method:

Analyst: OJS % Moist: Tech: OJS

Seq Number: 3063679 Date Prep:

Prep seq:

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Total Dissolved Solids	1642222	**2230**	5.00	5.00	mg/L	09.17.18 16:00		1

Analytical Method: Chloride by EPA 300 Prep Method: E300P

Analyst: SCM % Moist: Tech: SCM

Seq Number: 3063723 Date Prep: 09.18.18 15.00

Prep seq: 7662538

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Chloride	16887-00-6	**632**	10.0	1.72	mg/L	09.19.18 08:32		20

Analytical Method: Dissolved Metals by SW6020A Prep Method: 3010A

Analyst: DEP % Moist: Tech: AHI

Seq Number: 3063644 Date Prep: 09.18.18 09.00

Subcontractor: SUB: T104704215-18-28 Prep seq: 7662477

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Arsenic	7440-38-2	**0.0158**	0.00400	0.000246	mg/L	09.18.18 19:30		1
Chromium	7440-47-3	**0.515**	0.00400	0.000525	mg/L	09.18.18 19:30		1
Iron	7439-89-6	<0.0227	0.100	0.0227	mg/L	09.18.18 19:30	U	1
Manganese	7439-96-5	**0.000320**	0.00200	0.000199	mg/L	09.18.18 19:30	J	1

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

Analyst: OJS % Moist: Tech: OJS

Seq Number: 3063315 Date Prep:

Prep seq:

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Chromium, Hexavalent	18540-29-9	**0.497**	0.0100	0.00273	mg/L	09.14.18 16:00		1

Certificate of Analytical Results
599188
ARCADIS, Midland, TX
Chevron N. Eunice

Sample Id: **DUP06-W-180914** Matrix: Water Sample Depth:

Lab Sample Id: 599188-010 Date Collected: 09.14.18 09.26 Date Received: 09.14.18 15.14

Analytical Method: Dissolved Metals by SW6020A Prep Method: 3010A

Analyst: DEP % Moist: Tech: AHI

Seq Number: 3063644 Date Prep: 09.18.18 09.00

Subcontractor: SUB: T104704215-18-28 Prep seq: 7662477

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Arsenic	7440-38-2	**0.0101**	0.00400	0.000246	mg/L	09.18.18 19:33		1
Chromium	7440-47-3	**0.383**	0.00400	0.000525	mg/L	09.18.18 19:33		1
Iron	7439-89-6	<0.0227	0.100	0.0227	mg/L	09.18.18 19:33	U	1
Manganese	7439-96-5	<0.000199	0.00200	0.000199	mg/L	09.18.18 19:33	U	1

Sample Id: **DUP06-W-180914** Matrix: Water Sample Depth:

Lab Sample Id: 599188-010 Date Collected: 09.14.18 09.26 Date Received: 09.14.18 15.14

Analytical Method: TDS by SM2540C Prep Method:

Analyst: OJS % Moist: Tech: OJS

Seq Number: 3063679 Date Prep:

Prep seq:

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Total Dissolved Solids	1642222	**2880**	5.00	5.00	mg/L	09.17.18 16:00		1

Analytical Method: Chloride by EPA 300 Prep Method: E300P

Analyst: SCM % Moist: Tech: SCM

Seq Number: 3063723 Date Prep: 09.18.18 15.00

Prep seq: 7662538

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Chloride	16887-00-6	**638**	10.0	1.72	mg/L	09.19.18 08:42		20

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

Analyst: OJS % Moist: Tech: OJS

Seq Number: 3063315 Date Prep:

Prep seq:

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Chromium, Hexavalent	18540-29-9	**0.269**	0.0100	0.00273	mg/L	09.14.18 16:00		1

Certificate of Analytical Results
599188
ARCADIS, Midland, TX
Chevron N. Eunice

Sample Id: **IW023-W-180914** Matrix: Water Sample Depth:

Lab Sample Id: 599188-011 Date Collected: 09.14.18 09.17 Date Received: 09.14.18 15.14

Analytical Method: TDS by SM2540C Prep Method:

Analyst: OJS % Moist: Tech: OJS

Seq Number: 3063679 Date Prep:

Prep seq:

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Total Dissolved Solids	1642222	**2790**	5.00	5.00	mg/L	09.17.18 16:00		1

Analytical Method: Chloride by EPA 300 Prep Method: E300P

Analyst: SCM % Moist: Tech: SCM

Seq Number: 3063723 Date Prep: 09.18.18 15.00

Prep seq: 7662538

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Chloride	16887-00-6	**645**	10.0	1.72	mg/L	09.19.18 08:53		20

Analytical Method: Dissolved Metals by SW6020A Prep Method: 3010A

Analyst: DEP % Moist: Tech: AHI

Seq Number: 3063644 Date Prep: 09.18.18 09.00

Subcontractor: SUB: T104704215-18-28 Prep seq: 7662477

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Arsenic	7440-38-2	**0.0102**	0.00400	0.000246	mg/L	09.18.18 19:36		1
Chromium	7440-47-3	**0.376**	0.00400	0.000525	mg/L	09.18.18 19:36		1
Iron	7439-89-6	<0.0227	0.100	0.0227	mg/L	09.18.18 19:36	U	1
Manganese	7439-96-5	**0.000254**	0.00200	0.000199	mg/L	09.18.18 19:36	J	1

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

Analyst: OJS % Moist: Tech: OJS

Seq Number: 3063315 Date Prep:

Prep seq:

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Chromium, Hexavalent	18540-29-9	**0.307**	0.0100	0.00273	mg/L	09.14.18 16:00		1

Certificate of Analytical Results
599188
ARCADIS, Midland, TX
Chevron N. Eunice

Sample Id: **MW093SA-W-180914** Matrix: Water Sample Depth:

Lab Sample Id: 599188-012 Date Collected: 09.14.18 00.00 Date Received: 09.14.18 15.14

Analytical Method: TDS by SM2540C Prep Method:

Analyst: OJS % Moist: Tech: OJS

Seq Number: 3063679 Date Prep:

Prep seq:

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Total Dissolved Solids	1642222	**3440**	5.00	5.00	mg/L	09.17.18 16:00		1

Analytical Method: Chloride by EPA 300 Prep Method: E300P

Analyst: SCM % Moist: Tech: SCM

Seq Number: 3063723 Date Prep: 09.18.18 15.00

Prep seq: 7662538

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Chloride	16887-00-6	**914**	25.0	4.29	mg/L	09.19.18 09:03		50

Analytical Method: Dissolved Metals by SW6020A Prep Method: 3010A

Analyst: DEP % Moist: Tech: AHI

Seq Number: 3063644 Date Prep: 09.18.18 09.00

Subcontractor: SUB: T104704215-18-28 Prep seq: 7662477

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Arsenic	7440-38-2	**0.00859**	0.00400	0.000246	mg/L	09.18.18 19:39		1
Chromium	7440-47-3	**0.494**	0.00400	0.000525	mg/L	09.18.18 19:39		1
Iron	7439-89-6	<0.0227	0.100	0.0227	mg/L	09.18.18 19:39	U	1
Manganese	7439-96-5	**0.0190**	0.00200	0.000199	mg/L	09.18.18 19:39		1

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

Analyst: OJS % Moist: Tech: OJS

Seq Number: 3063315 Date Prep:

Prep seq:

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Chromium, Hexavalent	18540-29-9	**0.504**	0.0500	0.0136	mg/L	09.14.18 16:00		5

Analytical Report 598697

for

ARCADIS

Project Manager: Brett Krehbiel

Chevron N. Eunice

B0048789.0004

19-SEP-18

Collected By: Client





1211 W. Florida Ave, Midland TX 79701

Xenco-Houston (EPA Lab Code: TX00122):
Texas (T104704215-18-27), Arizona (AZ0765), Florida (E871002-24), Louisiana (03054)
Oklahoma (2017-142)

Xenco-Dallas (EPA Lab Code: TX01468):
Texas (T104704295-18-17), Arizona (AZ0809), Arkansas (17-063-0)

Xenco-El Paso (EPA Lab Code: TX00127): Texas (T104704221-18-13)
Xenco-Lubbock (EPA Lab Code: TX00139): Texas (T104704219-18-17)
Xenco-Midland (EPA Lab Code: TX00158): Texas (T104704400-18-16)
Xenco-San Antonio (EPA Lab Code: TNI02385): Texas (T104704534-18-4)
Xenco Phoenix (EPA Lab Code: AZ00901): Arizona (AZ0757)
Xenco-Phoenix Mobile (EPA Lab Code: AZ00901): Arizona (AZM757)
Xenco-Atlanta (LELAP Lab ID #04176)
Xenco-Tampa: Florida (E87429)
Xenco-Lakeland: Florida (E84098)

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19-SEP-18

Project Manager: **Brett Krehbiel**
ARCADIS
1004 N. Big Spring St.
Midland, TX 79701

Reference: XENCO Report No(s): **598697**
Chevron N. Eunice
Project Address: Eunice, NM

Brett Krehbiel:

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 XENCO Report Number(s) 598697. 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 XENCO Laboratories. 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. 598697 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 XENCO Laboratories to serve your analytical needs. If you have any questions concerning this report, please feel free to contact us at any time.

Respectfully,

Kelsey Brooks
Project Manager

Recipient of the Prestigious Small Business Administration Award of Excellence in 1994.
Certified and approved by numerous States and Agencies.
A Small Business and Minority Status Company that delivers SERVICE and QUALITY

Houston - Dallas - Midland - San Antonio - Phoenix - Oklahoma - Latin America

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Sample Cross Reference 598697

ARCADIS, Midland, TX

Chevron N. Eunice

Sample Id	Matrix	Date Collected	Sample Depth	Lab Sample Id
MW001-W-180911	W	09-11-18 11:50		598697-001
MW046A-W-180911	W	09-11-18 12:20		598697-002
MW045-W-180911	W	09-11-18 12:26		598697-003
MW037-W-180911	W	09-11-18 12:49		598697-004
MW043-W-180911	W	09-11-18 13:46		598697-005
IW019-W-180911	W	09-11-18 13:17		598697-006
MW100-W-180911	W	09-11-18 13:42		598697-007
MW076SA-W-180911	W	09-11-18 14:02		598697-008
MW075SA-W-180911	W	09-11-18 14:12		598697-009
MW084SA-W-180911	W	09-11-18 14:23		598697-010
MW085SA-W-180911	W	09-11-18 14:32		598697-011
MW086SA-W-180911	W	09-11-18 14:47		598697-012
DUP03-W-180911	W	09-11-18 00:00		598697-013
DUP07-W-180911	W	09-11-18 00:00		598697-014

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CASE NARRATIVE SUMMARY

Client Name: ***ARCADIS***

Project Name: ***Chevron N. Eunice***

Project ID:	*B0048789.0004*	*Report Date:*	*19-SEP-18*
Work Order Number:	*598697*	*Date Received:*	*11-SEP-18*

Kelsey Brooks
Project Manager

Certificate of Analytical Results
598697
ARCADIS, Midland, TX
Chevron N. Eunice

Sample Id: **MW001-W-180911** Matrix: Water Sample Depth:

Lab Sample Id: 598697-001 Date Collected: 09.11.18 11.50 Date Received: 09.11.18 19.00

Analytical Method: TDS by SM2540C Prep Method:

Analyst: OJS % Moist: Tech: OJS

Seq Number: 3063197 Date Prep:

Prep seq:

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Total Dissolved Solids	1642222	**2610**	5.00	5.00	mg/L	09.12.18 17:10		1

Analytical Method: Chloride by EPA 300 Prep Method: E300P

Analyst: SCM % Moist: Tech: SCM

Seq Number: 3063340 Date Prep: 09.12.18 16.15

Prep seq: 7662143

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Chloride	16887-00-6	**275**	10.0	1.72	mg/L	09.12.18 22:18		20

Analytical Method: Dissolved Metals by SW6020A Prep Method: 3010A

Analyst: DEP % Moist: Tech: MLI

Seq Number: 3063327 Date Prep: 09.15.18 11.05

Subcontractor: SUB: TX104704215-18-27 Prep seq: 7662348

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Arsenic	7440-38-2	**0.00241**	0.00400	0.000246	mg/L	09.16.18 23:18	J	1
Barium	7440-39-3	**0.0518**	0.00400	0.000484	mg/L	09.16.18 23:18		1
Chromium	7440-47-3	**0.00146**	0.00400	0.000525	mg/L	09.16.18 23:18	J	1

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

Analyst: OJS % Moist: Tech: OJS

Seq Number: 3062935 Date Prep:

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	09.12.18 09:45	U	1

Certificate of Analytical Results

598697

ARCADIS, Midland, TX

Chevron N. Eunice

Sample Id: **MW001-W-180911** Matrix: Water Sample Depth:

Lab Sample Id: 598697-001 Date Collected: 09.11.18 11.50 Date Received: 09.11.18 19.00

Analytical Method: TPH By SW8015 Mod Prep Method: 1005

Analyst: ARM % Moist: Tech: ARM

Seq Number: 3063336 Date Prep: 09.14.18 15.00

Prep seq: 7662365

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Gasoline Range Hydrocarbons	PHC610	<0.986	1.50	0.986	mg/L	09.14.18 23:25	U	1
Diesel Range Organics	C10C28DRO	<0.911	1.50	0.911	mg/L	09.14.18 23:25	U	1
Oil Range Hydrocarbons	PHCG2835	<0.911	1.50	0.911	mg/L	09.14.18 23:25	U	1
Total TPH	PHC635	<0.911	1.50	0.911	mg/L	09.14.18 23:25	U	1

Surrogate	% Recovery	Limits	Units	Analysis Date	Flag
1-Chlorooctane	99	70 - 135	%		
o-Terphenyl	99	70 - 135	%		

Analytical Method: BTEX by EPA 8021B Prep Method: 5030B

Analyst: ALJ % Moist: Tech: ALJ

Seq Number: 3062942 Date Prep: 09.12.18 08.00

Prep seq: 7662127

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Benzene	71-43-2	<0.000408	0.00200	0.000408	mg/L	09.12.18 16:39	U	1
Toluene	108-88-3	<0.000367	0.00200	0.000367	mg/L	09.12.18 16:39	U	1
Ethylbenzene	100-41-4	<0.000657	0.00200	0.000657	mg/L	09.12.18 16:39	U	1
m,p-Xylenes	179601-23-1	<0.000630	0.00400	0.000630	mg/L	09.12.18 16:39	U	1
o-Xylene	95-47-6	<0.000642	0.00200	0.000642	mg/L	09.12.18 16:39	U	1
Total Xylenes	1330-20-7	<0.000630	0.00200	0.000630	mg/L	09.12.18 16:39	U	1
Total BTEX		<0.000367	0.00200	0.000367	mg/L	09.12.18 16:39	U	1

Surrogate	% Recovery	Limits	Units	Analysis Date	Flag
1,4-Difluorobenzene	95	70 - 130	%		
4-Bromofluorobenzene	93	70 - 130	%		

Certificate of Analytical Results

598697

ARCADIS, Midland, TX

Chevron N. Eunice

Sample Id: **MW046A-W-180911** Matrix: Water Sample Depth:

Lab Sample Id: 598697-002 Date Collected: 09.11.18 12.20 Date Received: 09.11.18 19.00

Analytical Method: TDS by SM2540C Prep Method:

Analyst: OJS % Moist: Tech: OJS

Seq Number: 3063197 Date Prep:

Prep seq:

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Total Dissolved Solids	1642222	**2980**	5.00	5.00	mg/L	09.12.18 17:10		1

Analytical Method: Chloride by EPA 300 Prep Method: E300P

Analyst: SCM % Moist: Tech: SCM

Seq Number: 3063340 Date Prep: 09.12.18 16.15

Prep seq: 7662143

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Chloride	16887-00-6	**704**	10.0	1.72	mg/L	09.12.18 22:45		20

Analytical Method: Dissolved Metals by SW6020A Prep Method: 3010A

Analyst: DEP % Moist: Tech: MLI

Seq Number: 3063327 Date Prep: 09.15.18 11.05

Subcontractor: SUB: TX104704215-18-27 Prep seq: 7662348

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Arsenic	7440-38-2	**0.0106**	0.00400	0.000246	mg/L	09.16.18 23:41		1
Barium	7440-39-3	**0.0147**	0.00400	0.000484	mg/L	09.16.18 23:41		1
Chromium	7440-47-3	**1.77**	0.00400	0.000525	mg/L	09.16.18 23:41		1

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

Analyst: OJS % Moist: Tech: OJS

Seq Number: 3062935 Date Prep:

Prep seq:

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Chromium, Hexavalent	18540-29-9	**1.67**	0.100	0.0273	mg/L	09.12.18 09:45		10

Certificate of Analytical Results

598697

ARCADIS, Midland, TX

Chevron N. Eunice

Sample Id: **MW046A-W-180911** Matrix: Water Sample Depth:

Lab Sample Id: 598697-002 Date Collected: 09.11.18 12.20 Date Received: 09.11.18 19.00

Analytical Method: TPH By SW8015 Mod Prep Method: 1005

Analyst: ARM % Moist: Tech: ARM

Seq Number: 3063336 Date Prep: 09.14.18 15.00

Prep seq: 7662365

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Gasoline Range Hydrocarbons	PHC610	<0.987	1.50	0.987	mg/L	09.15.18 00:24	U	1
Diesel Range Organics	C10C28DRO	<0.912	1.50	0.912	mg/L	09.15.18 00:24	U	1
Oil Range Hydrocarbons	PHCG2835	<0.912	1.50	0.912	mg/L	09.15.18 00:24	U	1
Total TPH	PHC635	<0.912	1.50	0.912	mg/L	09.15.18 00:24	U	1

Surrogate	% Recovery	Limits	Units	Analysis Date	Flag
1-Chlorooctane	91	70 - 135	%		
o-Terphenyl	92	70 - 135	%		

Analytical Method: BTEX by EPA 8021B Prep Method: 5030B

Analyst: ALJ % Moist: Tech: ALJ

Seq Number: 3062942 Date Prep: 09.12.18 08.00

Prep seq: 7662127

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Benzene	71-43-2	<0.000408	0.00200	0.000408	mg/L	09.12.18 17:00	U	1
Toluene	108-88-3	<0.000367	0.00200	0.000367	mg/L	09.12.18 17:00	U	1
Ethylbenzene	100-41-4	<0.000657	0.00200	0.000657	mg/L	09.12.18 17:00	U	1
m,p-Xylenes	179601-23-1	<0.000630	0.00400	0.000630	mg/L	09.12.18 17:00	U	1
o-Xylene	95-47-6	<0.000642	0.00200	0.000642	mg/L	09.12.18 17:00	U	1
Total Xylenes	1330-20-7	<0.000630	0.00200	0.000630	mg/L	09.12.18 17:00	U	1
Total BTEX		<0.000367	0.00200	0.000367	mg/L	09.12.18 17:00	U	1

Surrogate	% Recovery	Limits	Units	Analysis Date	Flag
1,4-Difluorobenzene	100	70 - 130	%		
4-Bromofluorobenzene	87	70 - 130	%		

Certificate of Analytical Results

598697

ARCADIS, Midland, TX

Chevron N. Eunice

Sample Id: **MW045-W-180911** Matrix: Water Sample Depth:

Lab Sample Id: 598697-003 Date Collected: 09.11.18 12.26 Date Received: 09.11.18 19.00

Analytical Method: TDS by SM2540C Prep Method:

Analyst: OJS % Moist: Tech: OJS

Seq Number: 3063197 Date Prep:

Prep seq:

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Total Dissolved Solids	1642222	**1350**	5.00	5.00	mg/L	09.12.18 17:10		1

Analytical Method: Chloride by EPA 300 Prep Method: E300P

Analyst: SCM % Moist: Tech: SCM

Seq Number: 3063340 Date Prep: 09.12.18 16.15

Prep seq: 7662143

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Chloride	16887-00-6	**72.1**	5.00	0.858	mg/L	09.12.18 22:54		10

Analytical Method: Dissolved Metals by SW6020A Prep Method: 3010A

Analyst: DEP % Moist: Tech: MLI

Seq Number: 3063327 Date Prep: 09.15.18 11.05

Subcontractor: SUB: TX104704215-18-27 Prep seq: 7662348

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Arsenic	7440-38-2	**0.00213**	0.00400	0.000246	mg/L	09.16.18 23:44	J	1
Barium	7440-39-3	**0.115**	0.00400	0.000484	mg/L	09.16.18 23:44		1
Chromium	7440-47-3	**0.0131**	0.00400	0.000525	mg/L	09.16.18 23:44		1

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

Analyst: OJS % Moist: Tech: OJS

Seq Number: 3062935 Date Prep:

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	09.12.18 09:45	U	1

Certificate of Analytical Results

598697

ARCADIS, Midland, TX

Chevron N. Eunice

Sample Id: **MW045-W-180911** Matrix: Water Sample Depth:

Lab Sample Id: 598697-003 Date Collected: 09.11.18 12.26 Date Received: 09.11.18 19.00

Analytical Method: TPH By SW8015 Mod Prep Method: 1005

Analyst: ARM % Moist: Tech: ARM

Seq Number: 3063336 Date Prep: 09.14.18 15.00

Prep seq: 7662365

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Gasoline Range Hydrocarbons	PHC610	<0.986	1.50	0.986	mg/L	09.15.18 00:44	U	1
Diesel Range Organics	C10C28DRO	<0.911	1.50	0.911	mg/L	09.15.18 00:44	U	1
Oil Range Hydrocarbons	PHCG2835	<0.911	1.50	0.911	mg/L	09.15.18 00:44	U	1
Total TPH	PHC635	<0.911	1.50	0.911	mg/L	09.15.18 00:44	U	1

Surrogate	% Recovery	Limits	Units	Analysis Date	Flag
1-Chlorooctane	94	70 - 135	%		
o-Terphenyl	93	70 - 135	%		

Analytical Method: BTEX by EPA 8021B Prep Method: 5030B

Analyst: ALJ % Moist: Tech: ALJ

Seq Number: 3062942 Date Prep: 09.12.18 08.00

Prep seq: 7662127

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Benzene	71-43-2	<0.000408	0.00200	0.000408	mg/L	09.12.18 17:20	U	1
Toluene	108-88-3	<0.000367	0.00200	0.000367	mg/L	09.12.18 17:20	U	1
Ethylbenzene	100-41-4	<0.000657	0.00200	0.000657	mg/L	09.12.18 17:20	U	1
m,p-Xylenes	179601-23-1	<0.000630	0.00400	0.000630	mg/L	09.12.18 17:20	U	1
o-Xylene	95-47-6	<0.000642	0.00200	0.000642	mg/L	09.12.18 17:20	U	1
Total Xylenes	1330-20-7	<0.000630	0.00200	0.000630	mg/L	09.12.18 17:20	U	1
Total BTEX		<0.000367	0.00200	0.000367	mg/L	09.12.18 17:20	U	1

Surrogate	% Recovery	Limits	Units	Analysis Date	Flag
1,4-Difluorobenzene	99	70 - 130	%		
4-Bromofluorobenzene	93	70 - 130	%		

Certificate of Analytical Results

598697

ARCADIS, Midland, TX

Chevron N. Eunice

Sample Id: **MW037-W-180911** Matrix: Water Sample Depth:

Lab Sample Id: 598697-004 Date Collected: 09.11.18 12.49 Date Received: 09.11.18 19.00

Analytical Method: TDS by SM2540C Prep Method:

Analyst: OJS % Moist: Tech: OJS

Seq Number: 3063197 Date Prep:

Prep seq:

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Total Dissolved Solids	1642222	**1470**	5.00	5.00	mg/L	09.12.18 17:10		1

Analytical Method: Chloride by EPA 300 Prep Method: E300P

Analyst: SCM % Moist: Tech: SCM

Seq Number: 3063340 Date Prep: 09.12.18 16.15

Prep seq: 7662143

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Chloride	16887-00-6	**549**	10.0	1.72	mg/L	09.12.18 23:04		20

Analytical Method: Dissolved Metals by SW6020A Prep Method: 3010A

Analyst: DEP % Moist: Tech: MLI

Seq Number: 3063327 Date Prep: 09.15.18 11.05

Subcontractor: SUB: TX104704215-18-27 Prep seq: 7662348

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Arsenic	7440-38-2	**0.0502**	0.00400	0.000246	mg/L	09.16.18 23:47		1
Barium	7440-39-3	**1.11**	0.00400	0.000484	mg/L	09.16.18 23:47		1
Chromium	7440-47-3	**0.00126**	0.00400	0.000525	mg/L	09.16.18 23:47	J	1

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

Analyst: OJS % Moist: Tech: OJS

Seq Number: 3062935 Date Prep:

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	09.12.18 09:45	U	1

Certificate of Analytical Results

598697

ARCADIS, Midland, TX

Chevron N. Eunice

Sample Id: **MW037-W-180911** Matrix: Water Sample Depth:

Lab Sample Id: 598697-004 Date Collected: 09.11.18 12.49 Date Received: 09.11.18 19.00

Analytical Method: TPH By SW8015 Mod Prep Method: 1005

Analyst: ARM % Moist: Tech: ARM

Seq Number: 3063336 Date Prep: 09.14.18 15.00

Prep seq: 7662365

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Gasoline Range Hydrocarbons	PHC610	<0.987	1.50	0.987	mg/L	09.15.18 01:04	U	1
Diesel Range Organics	C10C28DRO	**1.04**	1.50	0.911	mg/L	09.15.18 01:04	J	1
Oil Range Hydrocarbons	PHCG2835	<0.911	1.50	0.911	mg/L	09.15.18 01:04	U	1
Total TPH	PHC635	**1.04**	1.50	0.911	mg/L	09.15.18 01:04	J	1

Surrogate	% Recovery	Limits	Units	Analysis Date	Flag
1-Chlorooctane	94	70 - 135	%		
o-Terphenyl	93	70 - 135	%		

Analytical Method: BTEX by EPA 8021B Prep Method: 5030B

Analyst: ALJ % Moist: Tech: ALJ

Seq Number: 3062942 Date Prep: 09.12.18 08.00

Prep seq: 7662127

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Benzene	71-43-2	**0.0719**	0.00200	0.000408	mg/L	09.12.18 17:40		1
Toluene	108-88-3	<0.000367	0.00200	0.000367	mg/L	09.12.18 17:40	U	1
Ethylbenzene	100-41-4	**0.0108**	0.00200	0.000657	mg/L	09.12.18 17:40		1
m,p-Xylenes	179601-23-1	**0.00593**	0.00400	0.000630	mg/L	09.12.18 17:40		1
o-Xylene	95-47-6	**0.00384**	0.00200	0.000642	mg/L	09.12.18 17:40		1
Total Xylenes	1330-20-7	**0.00977**	0.00200	0.000630	mg/L	09.12.18 17:40		1
Total BTEX		**0.0925**	0.00200	0.000367	mg/L	09.12.18 17:40		1

Surrogate	% Recovery	Limits	Units	Analysis Date	Flag
1,4-Difluorobenzene	94	70 - 130	%		
4-Bromofluorobenzene	119	70 - 130	%		

Certificate of Analytical Results

598697

ARCADIS, Midland, TX

Chevron N. Eunice

Sample Id: **MW043-W-180911** Matrix: Water Sample Depth:

Lab Sample Id: 598697-005 Date Collected: 09.11.18 13.46 Date Received: 09.11.18 19.00

Analytical Method: TDS by SM2540C Prep Method:

Analyst: OJS % Moist: Tech: OJS

Seq Number: 3063197 Date Prep:

Prep seq:

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Total Dissolved Solids	1642222	**1620**	5.00	5.00	mg/L	09.12.18 17:10		1

Analytical Method: Chloride by EPA 300 Prep Method: E300P

Analyst: SCM % Moist: Tech: SCM

Seq Number: 3063340 Date Prep: 09.12.18 16.15

Prep seq: 7662143

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Chloride	16887-00-6	**610**	10.0	1.72	mg/L	09.12.18 23:13		20

Analytical Method: Dissolved Metals by SW6020A Prep Method: 3010A

Analyst: DEP % Moist: Tech: MLI

Seq Number: 3063327 Date Prep: 09.15.18 11.05

Subcontractor: SUB: TX104704215-18-27 Prep seq: 7662348

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Arsenic	7440-38-2	**0.00508**	0.00400	0.000246	mg/L	09.16.18 23:50		1
Barium	7440-39-3	**0.328**	0.00400	0.000484	mg/L	09.16.18 23:50		1
Chromium	7440-47-3	**0.000688**	0.00400	0.000525	mg/L	09.16.18 23:50	J	1

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

Analyst: OJS % Moist: Tech: OJS

Seq Number: 3062935 Date Prep:

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	09.12.18 09:45	U	1

Certificate of Analytical Results

598697

ARCADIS, Midland, TX

Chevron N. Eunice

Sample Id: **MW043-W-180911** Matrix: Water Sample Depth:

Lab Sample Id: 598697-005 Date Collected: 09.11.18 13.46 Date Received: 09.11.18 19.00

Analytical Method: TPH By SW8015 Mod Prep Method: 1005

Analyst: ARM % Moist: Tech: ARM

Seq Number: 3063336 Date Prep: 09.14.18 15.00

Prep seq: 7662365

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Gasoline Range Hydrocarbons	PHC610	<0.986	1.50	0.986	mg/L	09.15.18 01:24	U	1
Diesel Range Organics	C10C28DRO	<0.911	1.50	0.911	mg/L	09.15.18 01:24	U	1
Oil Range Hydrocarbons	PHCG2835	<0.911	1.50	0.911	mg/L	09.15.18 01:24	U	1
Total TPH	PHC635	<0.911	1.50	0.911	mg/L	09.15.18 01:24	U	1

Surrogate	% Recovery	Limits	Units	Analysis Date	Flag
1-Chlorooctane	92	70 - 135	%		
o-Terphenyl	93	70 - 135	%		

Analytical Method: BTEX by EPA 8021B Prep Method: 5030B

Analyst: ALJ % Moist: Tech: ALJ

Seq Number: 3062942 Date Prep: 09.12.18 08.00

Prep seq: 7662127

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Benzene	71-43-2	<0.000408	0.00200	0.000408	mg/L	09.12.18 19:28	U	1
Toluene	108-88-3	<0.000367	0.00200	0.000367	mg/L	09.12.18 19:28	U	1
Ethylbenzene	100-41-4	<0.000657	0.00200	0.000657	mg/L	09.12.18 19:28	U	1
m,p-Xylenes	179601-23-1	<0.000630	0.00400	0.000630	mg/L	09.12.18 19:28	U	1
o-Xylene	95-47-6	**0.00347**	0.00200	0.000642	mg/L	09.12.18 19:28		1
Total Xylenes	1330-20-7	**0.00347**	0.00200	0.000630	mg/L	09.12.18 19:28		1
Total BTEX		**0.00347**	0.00200	0.000367	mg/L	09.12.18 19:28		1

Surrogate	% Recovery	Limits	Units	Analysis Date	Flag
1,4-Difluorobenzene	63	70 - 130	%		**
4-Bromofluorobenzene	94	70 - 130	%		

Certificate of Analytical Results

598697

ARCADIS, Midland, TX

Chevron N. Eunice

Sample Id: **IW019-W-180911** Matrix: Water Sample Depth:

Lab Sample Id: 598697-006 Date Collected: 09.11.18 13.17 Date Received: 09.11.18 19.00

Analytical Method: TDS by SM2540C Prep Method:

Analyst: OJS % Moist: Tech: OJS

Seq Number: 3063197 Date Prep:

Prep seq:

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Total Dissolved Solids	1642222	**3270**	5.00	5.00	mg/L	09.12.18 17:10		1

Analytical Method: Chloride by EPA 300 Prep Method: E300P

Analyst: SCM % Moist: Tech: SCM

Seq Number: 3063340 Date Prep: 09.12.18 16.15

Prep seq: 7662143

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Chloride	16887-00-6	**1060**	25.0	4.29	mg/L	09.12.18 23:22		50

Analytical Method: Dissolved Metals by SW6020A Prep Method: 3010A

Analyst: DEP % Moist: Tech: MLI

Seq Number: 3063327 Date Prep: 09.15.18 11.05

Subcontractor: SUB: TX104704215-18-27 Prep seq: 7662348

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Arsenic	7440-38-2	**0.0101**	0.00400	0.000246	mg/L	09.16.18 23:53		1
Barium	7440-39-3	**0.0512**	0.00400	0.000484	mg/L	09.16.18 23:53		1
Chromium	7440-47-3	**0.757**	0.00400	0.000525	mg/L	09.16.18 23:53		1

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

Analyst: OJS % Moist: Tech: OJS

Seq Number: 3062935 Date Prep:

Prep seq:

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Chromium, Hexavalent	18540-29-9	**0.687**	0.0500	0.0136	mg/L	09.12.18 09:45		5

Certificate of Analytical Results

598697

ARCADIS, Midland, TX

Chevron N. Eunice

Sample Id: **IW019-W-180911** Matrix: Water Sample Depth:

Lab Sample Id: 598697-006 Date Collected: 09.11.18 13.17 Date Received: 09.11.18 19.00

Analytical Method: TPH By SW8015 Mod Prep Method: 1005

Analyst: ARM % Moist: Tech: ARM

Seq Number: 3063336 Date Prep: 09.14.18 15.00

Prep seq: 7662365

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Gasoline Range Hydrocarbons	PHC610	<0.986	1.50	0.986	mg/L	09.15.18 01:44	U	1
Diesel Range Organics	C10C28DRO	<0.911	1.50	0.911	mg/L	09.15.18 01:44	U	1
Oil Range Hydrocarbons	PHCG2835	<0.911	1.50	0.911	mg/L	09.15.18 01:44	U	1
Total TPH	PHC635	<0.911	1.50	0.911	mg/L	09.15.18 01:44	U	1

Surrogate	% Recovery	Limits	Units	Analysis Date	Flag
1-Chlorooctane	91	70 - 135	%		
o-Terphenyl	94	70 - 135	%		

Analytical Method: BTEX by EPA 8021B Prep Method: 5030B

Analyst: ALJ % Moist: Tech: ALJ

Seq Number: 3062942 Date Prep: 09.12.18 08.00

Prep seq: 7662127

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Benzene	71-43-2	<0.000408	0.00200	0.000408	mg/L	09.12.18 18:01	U	1
Toluene	108-88-3	<0.000367	0.00200	0.000367	mg/L	09.12.18 18:01	U	1
Ethylbenzene	100-41-4	<0.000657	0.00200	0.000657	mg/L	09.12.18 18:01	U	1
m,p-Xylenes	179601-23-1	<0.000630	0.00400	0.000630	mg/L	09.12.18 18:01	U	1
o-Xylene	95-47-6	<0.000642	0.00200	0.000642	mg/L	09.12.18 18:01	U	1
Total Xylenes	1330-20-7	<0.000630	0.00200	0.000630	mg/L	09.12.18 18:01	U	1
Total BTEX		<0.000367	0.00200	0.000367	mg/L	09.12.18 18:01	U	1

Surrogate	% Recovery	Limits	Units	Analysis Date	Flag
1,4-Difluorobenzene	98	70 - 130	%		
4-Bromofluorobenzene	94	70 - 130	%		

Certificate of Analytical Results

598697

ARCADIS, Midland, TX

Chevron N. Eunice

Sample Id: **MW100-W-180911** Matrix: Water Sample Depth:

Lab Sample Id: 598697-007 Date Collected: 09.11.18 13.42 Date Received: 09.11.18 19.00

Analytical Method: TDS by SM2540C Prep Method:

Analyst: OJS % Moist: Tech: OJS

Seq Number: 3063197 Date Prep:

Prep seq:

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Total Dissolved Solids	1642222	**1640**	5.00	5.00	mg/L	09.12.18 17:10		1

Analytical Method: Chloride by EPA 300 Prep Method: E300P

Analyst: SCM % Moist: Tech: SCM

Seq Number: 3063340 Date Prep: 09.12.18 16.15

Prep seq: 7662143

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Chloride	16887-00-6	**789**	10.0	1.72	mg/L	09.12.18 23:59		20

Analytical Method: Dissolved Metals by SW6020A Prep Method: 3010A

Analyst: DEP % Moist: Tech: MLI

Seq Number: 3063327 Date Prep: 09.15.18 11.05

Subcontractor: SUB: TX104704215-18-27 Prep seq: 7662348

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Arsenic	7440-38-2	**0.00935**	0.00400	0.000246	mg/L	09.16.18 23:56		1
Barium	7440-39-3	**0.0441**	0.00400	0.000484	mg/L	09.16.18 23:56		1
Chromium	7440-47-3	<0.000525	0.00400	0.000525	mg/L	09.16.18 23:56	U	1

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

Analyst: OJS % Moist: Tech: OJS

Seq Number: 3062935 Date Prep:

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	09.12.18 09:45	U	1

Certificate of Analytical Results

598697

ARCADIS, Midland, TX

Chevron N. Eunice

Sample Id: **MW076SA-W-180911** Matrix: Water Sample Depth:

Lab Sample Id: 598697-008 Date Collected: 09.11.18 14.02 Date Received: 09.11.18 19.00

Analytical Method: TDS by SM2540C Prep Method:

Analyst: OJS % Moist: Tech: OJS

Seq Number: 3063197 Date Prep:

Prep seq:

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Total Dissolved Solids	1642222	**1850**	5.00	5.00	mg/L	09.12.18 17:10		1

Analytical Method: Chloride by EPA 300 Prep Method: E300P

Analyst: SCM % Moist: Tech: SCM

Seq Number: 3063340 Date Prep: 09.12.18 16.15

Prep seq: 7662143

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Chloride	16887-00-6	**583**	10.0	1.72	mg/L	09.13.18 00:08		20

Analytical Method: Dissolved Metals by SW6020A Prep Method: 3010A

Analyst: DEP % Moist: Tech: MLI

Seq Number: 3063327 Date Prep: 09.15.18 11.05

Subcontractor: SUB: TX104704215-18-27 Prep seq: 7662348

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Arsenic	7440-38-2	**0.0130**	0.00400	0.000246	mg/L	09.17.18 00:00		1
Barium	7440-39-3	**0.0261**	0.00400	0.000484	mg/L	09.17.18 00:00		1
Chromium	7440-47-3	**0.0137**	0.00400	0.000525	mg/L	09.17.18 00:00		1

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

Analyst: OJS % Moist: Tech: OJS

Seq Number: 3062935 Date Prep:

Prep seq:

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Chromium, Hexavalent	18540-29-9	**0.00580**	0.0100	0.00273	mg/L	09.12.18 09:45	J	1

Certificate of Analytical Results

598697

ARCADIS, Midland, TX

Chevron N. Eunice

Sample Id: **MW075SA-W-180911** Matrix: Water Sample Depth:

Lab Sample Id: 598697-009 Date Collected: 09.11.18 14.12 Date Received: 09.11.18 19.00

Analytical Method: TDS by SM2540C Prep Method:

Analyst: OJS % Moist: Tech: OJS

Seq Number: 3063197 Date Prep:

Prep seq:

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Total Dissolved Solids	1642222	**1670**	5.00	5.00	mg/L	09.12.18 17:10		1

Analytical Method: Chloride by EPA 300 Prep Method: E300P

Analyst: SCM % Moist: Tech: SCM

Seq Number: 3063340 Date Prep: 09.12.18 16.15

Prep seq: 7662143

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Chloride	16887-00-6	**399**	5.00	0.858	mg/L	09.13.18 21:05		10

Analytical Method: Dissolved Metals by SW6020A Prep Method: 3010A

Analyst: DEP % Moist: Tech: MLI

Seq Number: 3063327 Date Prep: 09.15.18 11.05

Subcontractor: SUB: TX104704215-18-27 Prep seq: 7662348

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Arsenic	7440-38-2	**0.0152**	0.00400	0.000246	mg/L	09.17.18 00:03		1
Barium	7440-39-3	**0.0192**	0.00400	0.000484	mg/L	09.17.18 00:03		1
Chromium	7440-47-3	**0.0135**	0.00400	0.000525	mg/L	09.17.18 00:03		1

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

Analyst: OJS % Moist: Tech: OJS

Seq Number: 3062935 Date Prep:

Prep seq:

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Chromium, Hexavalent	18540-29-9	**0.00660**	0.0100	0.00273	mg/L	09.12.18 09:45	J	1

Certificate of Analytical Results
598697
ARCADIS, Midland, TX
Chevron N. Eunice

Sample Id: **MW084SA-W-180911** Matrix: Water Sample Depth:

Lab Sample Id: 598697-010 Date Collected: 09.11.18 14.23 Date Received: 09.11.18 19.00

Analytical Method: TDS by SM2540C Prep Method:

Analyst: OJS % Moist: Tech: OJS

Seq Number: 3063197 Date Prep:

Prep seq:

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Total Dissolved Solids	1642222	**3060**	5.00	5.00	mg/L	09.12.18 17:10		1

Analytical Method: Chloride by EPA 300 Prep Method: E300P

Analyst: SCM % Moist: Tech: SCM

Seq Number: 3063340 Date Prep: 09.12.18 16.15

Prep seq: 7662143

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Chloride	16887-00-6	**1370**	25.0	4.29	mg/L	09.13.18 21:16		50

Analytical Method: Dissolved Metals by SW6020A Prep Method: 3010A

Analyst: DEP % Moist: Tech: MLI

Seq Number: 3063327 Date Prep: 09.15.18 11.05

Subcontractor: SUB: TX104704215-18-27 Prep seq: 7662348

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Arsenic	7440-38-2	**0.00938**	0.00400	0.000246	mg/L	09.17.18 00:06		1
Barium	7440-39-3	**0.0424**	0.00400	0.000484	mg/L	09.17.18 00:06		1
Chromium	7440-47-3	**0.0168**	0.00400	0.000525	mg/L	09.17.18 00:06		1

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

Analyst: OJS % Moist: Tech: OJS

Seq Number: 3062947 Date Prep:

Prep seq:

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Chromium, Hexavalent	18540-29-9	**0.00860**	0.0100	0.00273	mg/L	09.12.18 11:30	J	1

Certificate of Analytical Results
598697
ARCADIS, Midland, TX
Chevron N. Eunice

Sample Id: **MW085SA-W-180911** Matrix: Water Sample Depth:

Lab Sample Id: 598697-011 Date Collected: 09.11.18 14.32 Date Received: 09.11.18 19.00

Analytical Method: TDS by SM2540C Prep Method:

Analyst: OJS % Moist: Tech: OJS

Seq Number: 3063197 Date Prep:

Prep seq:

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Total Dissolved Solids	1642222	**3270**	5.00	5.00	mg/L	09.12.18 17:10		1

Analytical Method: Chloride by EPA 300 Prep Method: E300P

Analyst: SCM % Moist: Tech: SCM

Seq Number: 3063340 Date Prep: 09.12.18 16.15

Prep seq: 7662143

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Chloride	16887-00-6	**1650**	25.0	4.29	mg/L	09.13.18 21:27		50

Analytical Method: Dissolved Metals by SW6020A Prep Method: 3010A

Analyst: DEP % Moist: Tech: MLI

Seq Number: 3063327 Date Prep: 09.15.18 11.05

Subcontractor: SUB: TX104704215-18-27 Prep seq: 7662348

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Arsenic	7440-38-2	**0.0140**	0.00400	0.000246	mg/L	09.17.18 00:09		1
Barium	7440-39-3	**0.0558**	0.00400	0.000484	mg/L	09.17.18 00:09		1
Chromium	7440-47-3	**0.0258**	0.00400	0.000525	mg/L	09.17.18 00:09		1

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

Analyst: OJS % Moist: Tech: OJS

Seq Number: 3062947 Date Prep:

Prep seq:

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Chromium, Hexavalent	18540-29-9	**0.00280**	0.0100	0.00273	mg/L	09.12.18 11:30	J	1

Certificate of Analytical Results
598697
ARCADIS, Midland, TX
Chevron N. Eunice

Sample Id: **MW086SA-W-180911** Matrix: Water Sample Depth:

Lab Sample Id: 598697-012 Date Collected: 09.11.18 14.47 Date Received: 09.11.18 19.00

Analytical Method: TDS by SM2540C Prep Method:

Analyst: OJS % Moist: Tech: OJS

Seq Number: 3063197 Date Prep:

Prep seq:

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Total Dissolved Solids	1642222	**3110**	5.00	5.00	mg/L	09.12.18 17:10		1

Analytical Method: Chloride by EPA 300 Prep Method: E300P

Analyst: SCM % Moist: Tech: SCM

Seq Number: 3063340 Date Prep: 09.12.18 16.15

Prep seq: 7662143

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Chloride	16887-00-6	**1260**	25.0	4.29	mg/L	09.13.18 21:39		50

Analytical Method: Dissolved Metals by SW6020A Prep Method: 3010A

Analyst: DEP % Moist: Tech: MLI

Seq Number: 3063327 Date Prep: 09.15.18 11.05

Subcontractor: SUB: TX104704215-18-27 Prep seq: 7662348

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Arsenic	7440-38-2	**0.0123**	0.00400	0.000246	mg/L	09.17.18 00:19		1
Barium	7440-39-3	**0.0317**	0.00400	0.000484	mg/L	09.17.18 00:19		1
Chromium	7440-47-3	**0.0340**	0.00400	0.000525	mg/L	09.17.18 00:19		1

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

Analyst: OJS % Moist: Tech: OJS

Seq Number: 3062947 Date Prep:

Prep seq:

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Chromium, Hexavalent	18540-29-9	**0.0255**	0.0100	0.00273	mg/L	09.12.18 11:30		1

Certificate of Analytical Results
598697
ARCADIS, Midland, TX
Chevron N. Eunice

Sample Id: **DUP03-W-180911** Matrix: Water Sample Depth:

Lab Sample Id: 598697-013 Date Collected: 09.11.18 00.00 Date Received: 09.11.18 19.00

Analytical Method: TDS by SM2540C Prep Method:

Analyst: OJS % Moist: Tech: OJS

Seq Number: 3063197 Date Prep:

Prep seq:

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Total Dissolved Solids	1642222	**1670**	5.00	5.00	mg/L	09.12.18 17:10		1

Analytical Method: Chloride by EPA 300 Prep Method: E300P

Analyst: SCM % Moist: Tech: SCM

Seq Number: 3063340 Date Prep: 09.12.18 16.15

Prep seq: 7662143

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Chloride	16887-00-6	**641**	10.0	1.72	mg/L	09.13.18 21:50		20

Analytical Method: Dissolved Metals by SW6020A Prep Method: 3010A

Analyst: DEP % Moist: Tech: MLI

Seq Number: 3063327 Date Prep: 09.15.18 11.05

Subcontractor: SUB: TX104704215-18-27 Prep seq: 7662348

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Arsenic	7440-38-2	**0.00524**	0.00400	0.000246	mg/L	09.17.18 00:22		1
Barium	7440-39-3	**0.323**	0.00400	0.000484	mg/L	09.17.18 00:22		1
Chromium	7440-47-3	**0.000605**	0.00400	0.000525	mg/L	09.17.18 00:22	J	1

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

Analyst: OJS % Moist: Tech: OJS

Seq Number: 3062947 Date Prep:

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	09.12.18 11:30	U	1

Certificate of Analytical Results

598697

ARCADIS, Midland, TX

Chevron N. Eunice

Sample Id: **DUP03-W-180911** Matrix: Water Sample Depth:

Lab Sample Id: 598697-013 Date Collected: 09.11.18 00.00 Date Received: 09.11.18 19.00

Analytical Method: TPH By SW8015 Mod Prep Method: 1005

Analyst: ARM % Moist: Tech: ARM

Seq Number: 3063336 Date Prep: 09.14.18 15.00

Prep seq: 7662365

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Gasoline Range Hydrocarbons	PHC610	<0.986	1.50	0.986	mg/L	09.15.18 02:03	U	1
Diesel Range Organics	C10C28DRO	<0.911	1.50	0.911	mg/L	09.15.18 02:03	U	1
Oil Range Hydrocarbons	PHCG2835	<0.911	1.50	0.911	mg/L	09.15.18 02:03	U	1
Total TPH	PHC635	<0.911	1.50	0.911	mg/L	09.15.18 02:03	U	1

Surrogate	% Recovery	Limits	Units	Analysis Date	Flag
1-Chlorooctane	96	70 - 135	%		
o-Terphenyl	97	70 - 135	%		

Analytical Method: BTEX by EPA 8021B Prep Method: 5030B

Analyst: ALJ % Moist: Tech: ALJ

Seq Number: 3062942 Date Prep: 09.12.18 08.00

Prep seq: 7662127

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Benzene	71-43-2	<0.000408	0.00200	0.000408	mg/L	09.12.18 19:07	U	1
Toluene	108-88-3	<0.000367	0.00200	0.000367	mg/L	09.12.18 19:07	U	1
Ethylbenzene	100-41-4	<0.000657	0.00200	0.000657	mg/L	09.12.18 19:07	U	1
m,p-Xylenes	179601-23-1	<0.000630	0.00400	0.000630	mg/L	09.12.18 19:07	U	1
o-Xylene	95-47-6	**0.00319**	0.00200	0.000642	mg/L	09.12.18 19:07		1
Total Xylenes	1330-20-7	**0.00319**	0.00200	0.000630	mg/L	09.12.18 19:07		1
Total BTEX		**0.00319**	0.00200	0.000367	mg/L	09.12.18 19:07		1

Surrogate	% Recovery	Limits	Units	Analysis Date	Flag
1,4-Difluorobenzene	85	70 - 130	%		
4-Bromofluorobenzene	117	70 - 130	%		

Certificate of Analytical Results
598697
ARCADIS, Midland, TX
Chevron N. Eunice

Sample Id: **DUP07-W-180911** Matrix: Water Sample Depth:

Lab Sample Id: 598697-014 Date Collected: 09.11.18 00.00 Date Received: 09.11.18 19.00

Analytical Method: TDS by SM2540C Prep Method:

Analyst: OJS % Moist: Tech: OJS

Seq Number: 3063197 Date Prep:

Prep seq:

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Total Dissolved Solids	1642222	**1730**	5.00	5.00	mg/L	09.12.18 17:10		1

Analytical Method: Chloride by EPA 300 Prep Method: E300P

Analyst: SCM % Moist: Tech: SCM

Seq Number: 3063340 Date Prep: 09.12.18 16.15

Prep seq: 7662143

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Chloride	16887-00-6	**865**	10.0	1.72	mg/L	09.13.18 22:01		20

Analytical Method: Dissolved Metals by SW6020A Prep Method: 3010A

Analyst: DEP % Moist: Tech: MLI

Seq Number: 3063327 Date Prep: 09.15.18 11.05

Subcontractor: SUB: TX104704215-18-27 Prep seq: 7662348

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Arsenic	7440-38-2	**0.00906**	0.00400	0.000246	mg/L	09.17.18 00:25		1
Barium	7440-39-3	**0.0422**	0.00400	0.000484	mg/L	09.17.18 00:25		1
Chromium	7440-47-3	<0.000525	0.00400	0.000525	mg/L	09.17.18 00:25	U	1

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

Analyst: OJS % Moist: Tech: OJS

Seq Number: 3062947 Date Prep:

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	09.12.18 11:30	U	1

Certificate of Analytical Results

598697

ARCADIS, Midland, TX

Chevron N. Eunice

Sample Id: **3062935-1-BLK** Matrix: Water Sample Depth:

Lab Sample Id: 3062935-1-BLK Date Collected: Date Received:

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

Analyst: OJS % Moist: Tech: OJS

Seq Number: 3062935 Date Prep:

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	09.12.18 09:45	U	1

Sample Id: **3062947-1-BLK** Matrix: Water Sample Depth:

Lab Sample Id: 3062947-1-BLK Date Collected: Date Received:

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

Analyst: OJS % Moist: Tech: OJS

Seq Number: 3062947 Date Prep:

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	09.12.18 11:30	U	1

Sample Id: **3063197-1-BLK** Matrix: Water Sample Depth:

Lab Sample Id: 3063197-1-BLK Date Collected: Date Received:

Analytical Method: TDS by SM2540C Prep Method:

Analyst: OJS % Moist: Tech: OJS

Seq Number: 3063197 Date Prep:

Prep seq:

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Total Dissolved Solids	1642222	<5.00	5.00	5.00	mg/L	09.12.18 17:10	U	1

Certificate of Analytical Results

598697

ARCADIS, Midland, TX

Chevron N. Eunice

Sample Id: **7662127-1-BLK** Matrix: Water Sample Depth:

Lab Sample Id: 7662127-1-BLK Date Collected: Date Received:

Analytical Method: BTEX by EPA 8021B Prep Method: 5030B

Analyst: ALJ % Moist: Tech: ALJ

Seq Number: 3062942 Date Prep: 09.12.18 08.00

Prep seq: 7662127

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Benzene	71-43-2	<0.000408	0.00200	0.000408	mg/L	09.12.18 10:10	U	1
Toluene	108-88-3	<0.000367	0.00200	0.000367	mg/L	09.12.18 10:10	U	1
Ethylbenzene	100-41-4	<0.000657	0.00200	0.000657	mg/L	09.12.18 10:10	U	1
m,p-Xylenes	179601-23-1	<0.000630	0.00400	0.000630	mg/L	09.12.18 10:10	U	1
o-Xylene	95-47-6	<0.000642	0.00200	0.000642	mg/L	09.12.18 10:10	U	1

Surrogate	% Recovery	Limits	Units	Analysis Date	Flag
1,4-Difluorobenzene	93	70 - 130	%		
4-Bromofluorobenzene	97	70 - 130	%		

Sample Id: **7662143-1-BLK** Matrix: Water Sample Depth:

Lab Sample Id: 7662143-1-BLK Date Collected: Date Received:

Analytical Method: Chloride by EPA 300 Prep Method: E300P

Analyst: SCM % Moist: Tech: SCM

Seq Number: 3063340 Date Prep: 09.12.18 16.15

Prep seq: 7662143

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Chloride	16887-00-6	<0.0858	0.500	0.0858	mg/L	09.12.18 20:55	U	1

Sample Id: **7662348-1-BLK** Matrix: Water Sample Depth:

Lab Sample Id: 7662348-1-BLK Date Collected: Date Received:

Analytical Method: Dissolved Metals by SW6020A Prep Method: 3010A

Analyst: DEP % Moist: Tech: MLI

Seq Number: 3063327 Date Prep: 09.15.18 11.05

Subcontractor: SUB: TX104704215-18-27 Prep seq: 7662348

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Arsenic	7440-38-2	<0.000246	0.00400	0.000246	mg/L	09.16.18 23:09	U	1
Barium	7440-39-3	<0.000484	0.00400	0.000484	mg/L	09.16.18 23:09	U	1
Chromium	7440-47-3	<0.000525	0.00400	0.000525	mg/L	09.16.18 23:09	U	1

Certificate of Analytical Results

598697

ARCADIS, Midland, TX

Chevron N. Eunice

Sample Id: **7662365-1-BLK** Matrix: Water Sample Depth:

Lab Sample Id: 7662365-1-BLK Date Collected: Date Received:

Analytical Method: TPH By SW8015 Mod Prep Method: 1005

Analyst: ARM % Moist: Tech: ARM

Seq Number: 3063336 Date Prep: 09.14.18 15.00

Prep seq: 7662365

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Gasoline Range Hydrocarbons	PHC610	<0.986	1.50	0.986	mg/L	09.14.18 22:26	U	1
Diesel Range Organics	C10C28DRO	<0.911	1.50	0.911	mg/L	09.14.18 22:26	U	1
Oil Range Hydrocarbons	PHCG2835	<0.911	1.50	0.911	mg/L	09.14.18 22:26	U	1
Total TPH	PHC635	<0.911	1.50	0.911	mg/L	09.14.18 22:26	U	1

Surrogate	% Recovery	Limits	Units	Analysis Date	Flag
1-Chlorooctane	100	70 - 135	%		
o-Terphenyl	101	70 - 135	%		

CHRONOLOGY OF HOLDING TIMES

Analytical Method : Chloride by EPA 300
Work Order #: **598697**
Date Received: 09/11/18

Client : ARCADIS
Project ID: B0048789.0004

Field Sample ID	Lab Sample ID	Date Collected	Date Extracted	Max Holding Time Extracted (Days)	Time Held Extracted (Days)	Date Analyzed	Max Holding Time Analyzed (Days)	Time Held Analyzed (Days)	Q
MW001-W-180911	598697-001	09/11/18				09/12/18	28	1	P
MW046A-W-180911	598697-002	09/11/18				09/12/18	28	1	P
MW045-W-180911	598697-003	09/11/18				09/12/18	28	1	P
MW037-W-180911	598697-004	09/11/18				09/12/18	28	1	P
MW043-W-180911	598697-005	09/11/18				09/12/18	28	1	P
IW019-W-180911	598697-006	09/11/18				09/12/18	28	1	P
MW100-W-180911	598697-007	09/11/18				09/12/18	28	1	P
MW076SA-W-180911	598697-008	09/11/18				09/13/18	28	2	P
MW075SA-W-180911	598697-009	09/11/18				09/13/18	28	2	P
MW084SA-W-180911	598697-010	09/11/18				09/13/18	28	2	P
MW085SA-W-180911	598697-011	09/11/18				09/13/18	28	2	P
MW086SA-W-180911	598697-012	09/11/18				09/13/18	28	2	P
DUP03-W-180911	598697-013	09/11/18				09/13/18	28	2	P
DUP07-W-180911	598697-014	09/11/18				09/13/18	28	2	P

CHRONOLOGY OF HOLDING TIMES

Analytical Method : TDS by SM2540C
Work Order #: **598697**
Date Received: 09/11/18

Client : ARCADIS
Project ID: B0048789.0004

Field Sample ID	Lab Sample ID	Date Collected	Date Extracted	Max Holding Time Extracted (Days)	Time Held Extracted (Days)	Date Analyzed	Max Holding Time Analyzed (Days)	Time Held Analyzed (Days)	Q
MW001-W-180911	598697-001	09/11/18				09/12/18	7	1	P
MW046A-W-180911	598697-002	09/11/18				09/12/18	7	1	P
MW045-W-180911	598697-003	09/11/18				09/12/18	7	1	P
MW037-W-180911	598697-004	09/11/18				09/12/18	7	1	P
MW043-W-180911	598697-005	09/11/18				09/12/18	7	1	P
IW019-W-180911	598697-006	09/11/18				09/12/18	7	1	P
MW100-W-180911	598697-007	09/11/18				09/12/18	7	1	P
MW076SA-W-180911	598697-008	09/11/18				09/12/18	7	1	P
MW075SA-W-180911	598697-009	09/11/18				09/12/18	7	1	P
MW084SA-W-180911	598697-010	09/11/18				09/12/18	7	1	P
MW085SA-W-180911	598697-011	09/11/18				09/12/18	7	1	P
MW086SA-W-180911	598697-012	09/11/18				09/12/18	7	1	P
DUP03-W-180911	598697-013	09/11/18				09/12/18	7	1	P
DUP07-W-180911	598697-014	09/11/18				09/12/18	7	1	P

CHRONOLOGY OF HOLDING TIMES

Analytical Method : Dissolved Metals by SW6020A
Work Order #: **598697**
Date Received: 09/11/18

Client : ARCADIS
Project ID: B0048789.0004

Field Sample ID	Lab Sample ID	Date Collected	Date Extracted	Max Holding Time Extracted (Days)	Time Held Extracted (Days)	Date Analyzed	Max Holding Time Analyzed (Days)	Time Held Analyzed (Days)	Q
MW001-W-180911	598697-001	09/11/18	09/15/18	180	4	09/16/18	180	1	P
MW046A-W-180911	598697-002	09/11/18	09/15/18	180	4	09/16/18	180	1	P
MW045-W-180911	598697-003	09/11/18	09/15/18	180	4	09/16/18	180	1	P
MW037-W-180911	598697-004	09/11/18	09/15/18	180	4	09/16/18	180	1	P
MW043-W-180911	598697-005	09/11/18	09/15/18	180	4	09/16/18	180	1	P
IW019-W-180911	598697-006	09/11/18	09/15/18	180	4	09/16/18	180	1	P
MW100-W-180911	598697-007	09/11/18	09/15/18	180	4	09/16/18	180	1	P
MW076SA-W-180911	598697-008	09/11/18	09/15/18	180	4	09/17/18	180	2	P
MW075SA-W-180911	598697-009	09/11/18	09/15/18	180	4	09/17/18	180	2	P
MW084SA-W-180911	598697-010	09/11/18	09/15/18	180	4	09/17/18	180	2	P
MW085SA-W-180911	598697-011	09/11/18	09/15/18	180	4	09/17/18	180	2	P
MW086SA-W-180911	598697-012	09/11/18	09/15/18	180	4	09/17/18	180	2	P
DUP03-W-180911	598697-013	09/11/18	09/15/18	180	4	09/17/18	180	2	P
DUP07-W-180911	598697-014	09/11/18	09/15/18	180	4	09/17/18	180	2	P

CHRONOLOGY OF HOLDING TIMES

Analytical Method : TPH By SW8015 Mod
Work Order #: **598697**
Date Received: 09/11/18

Client : ARCADIS
Project ID: B0048789.0004

Field Sample ID	Lab Sample ID	Date Collected	Date Extracted	Max Holding Time Extracted (Days)	Time Held Extracted (Days)	Date Analyzed	Max Holding Time Analyzed (Days)	Time Held Analyzed (Days)	Q
MW001-W-180911	598697-001	09/11/18	09/14/18	14	3	09/14/18	14	0	P
MW046A-W-180911	598697-002	09/11/18	09/14/18	14	3	09/15/18	14	1	P
MW045-W-180911	598697-003	09/11/18	09/14/18	14	3	09/15/18	14	1	P
MW037-W-180911	598697-004	09/11/18	09/14/18	14	3	09/15/18	14	1	P
MW043-W-180911	598697-005	09/11/18	09/14/18	14	3	09/15/18	14	1	P
IW019-W-180911	598697-006	09/11/18	09/14/18	14	3	09/15/18	14	1	P
DUP03-W-180911	598697-013	09/11/18	09/14/18	14	3	09/15/18	14	1	P

CHRONOLOGY OF HOLDING TIMES

Analytical Method : BTEX by EPA 8021B
Work Order #: **598697**
Date Received: 09/11/18

Client : ARCADIS
Project ID: B0048789.0004

Field Sample ID	Lab Sample ID	Date Collected	Date Extracted	Max Holding Time Extracted (Days)	Time Held Extracted (Days)	Date Analyzed	Max Holding Time Analyzed (Days)	Time Held Analyzed (Days)	Q
MW001-W-180911	598697-001	09/11/18				09/12/18	14	1	P
MW046A-W-180911	598697-002	09/11/18				09/12/18	14	1	P
MW045-W-180911	598697-003	09/11/18				09/12/18	14	1	P
MW037-W-180911	598697-004	09/11/18				09/12/18	14	1	P
MW043-W-180911	598697-005	09/11/18				09/12/18	14	1	P
IW019-W-180911	598697-006	09/11/18				09/12/18	14	1	P
DUP03-W-180911	598697-013	09/11/18				09/12/18	14	1	P

CHRONOLOGY OF HOLDING TIMES

Analytical Method : Chromium, Hexavalent by SW 7196A
Client : ARCADIS
Work Order #: **598697**
Project ID: B0048789.0004
Date Received: 09/11/18

Field Sample ID	Lab Sample ID	Date Collected	Date Extracted	Max Holding Time Extracted (Hour)	Time Held Extracted (Hour)	Date Analyzed	Max Holding Time Analyzed (Hour)	Time Held Analyzed (Hour)	Q
MW001-W-180911	598697-001	09/11/18				09/12/18	24	22	P
MW046A-W-180911	598697-002	09/11/18				09/12/18	24	21	P
MW045-W-180911	598697-003	09/11/18				09/12/18	24	21	P
MW037-W-180911	598697-004	09/11/18				09/12/18	24	21	P
MW043-W-180911	598697-005	09/11/18				09/12/18	24	20	P
IW019-W-180911	598697-006	09/11/18				09/12/18	24	20	P
MW100-W-180911	598697-007	09/11/18				09/12/18	24	20	P
MW076SA-W-180911	598697-008	09/11/18				09/12/18	24	20	P
MW075SA-W-180911	598697-009	09/11/18				09/12/18	24	20	P
MW084SA-W-180911	598697-010	09/11/18				09/12/18	24	21	P
MW085SA-W-180911	598697-011	09/11/18				09/12/18	24	21	P
MW086SA-W-180911	598697-012	09/11/18				09/12/18	24	21	P
DUP03-W-180911	598697-013	09/11/18				09/12/18	24	1	P
DUP07-W-180911	598697-014	09/11/18				09/12/18	24	1	P

F = These samples were analyzed outside the recommended holding time.
P = Samples analyzed within the recommended holding time.

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.

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

Analytical Log

Analytical Method:	Chromium, Hexavalent by SW 7196A	Batch #:	3062935
Project Name:	Chevron N. Eunice	Project ID:	B0048789.0004
Client Name:	ARCADIS	WO Number:	598697

Client Sample Id	Lab Sample Id	QC Types
IW019-W-180911	598697-006	SMP
MW001-W-180911	598697-001	SMP
MW037-W-180911	598697-004	SMP
MW043-W-180911	598697-005	SMP
MW045-W-180911	598697-003	SMP
MW046A-W-180911	598697-002	SMP
MW075SA-W-180911	598697-009	SMP
MW076SA-W-180911	598697-008	SMP
MW100-W-180911	598697-007	SMP
	3062935-1-BKS	BKS
	3062935-1-BLK	BLK
	3062935-1-BSD	BSD
	598640-001 S	MS
	598640-001 SD	MSD

Analytical Log

Analytical Method:	BTEX by EPA 8021B	Batch #:	3062942
Project Name:	Chevron N. Eunice	Project ID:	B0048789.0004
Client Name:	ARCADIS	WO Number:	598697

Client Sample Id	Lab Sample Id	QC Types
DUP03-W-180911	598697-013	SMP
IW019-W-180911	598697-006	SMP
MW001-W-180911	598697-001	SMP
MW037-W-180911	598697-004	SMP
MW043-W-180911	598697-005	SMP
MW045-W-180911	598697-003	SMP
MW046A-W-180911	598697-002	SMP
	598532-001 S	MS
	598532-001 SD	MSD
	7662127-1-BKS	BKS
	7662127-1-BLK	BLK
	7662127-1-BSD	BSD

Analytical Log

Analytical Method:	Chromium, Hexavalent by SW 7196A	Batch #:	3062947
Project Name:	Chevron N. Eunice	Project ID:	B0048789.0004
Client Name:	ARCADIS	WO Number:	598697

Client Sample Id	Lab Sample Id	QC Types
DUP03-W-180911	598697-013	SMP
DUP07-W-180911	598697-014	SMP
MW084SA-W-180911	598697-010	SMP
MW085SA-W-180911	598697-011	SMP
MW086SA-W-180911	598697-012	SMP
	3062947-1-BKS	BKS
	3062947-1-BLK	BLK
	3062947-1-BSD	BSD
	598697-014 S	MS
	598697-014 SD	MSD

Analytical Log

Analytical Method:	TDS by SM2540C	Batch #:	3063197
Project Name:	Chevron N. Eunice	Project ID:	B0048789.0004
Client Name:	ARCADIS	WO Number:	598697

Client Sample Id	Lab Sample Id	QC Types
DUP03-W-180911	598697-013	SMP
DUP07-W-180911	598697-014	SMP
IW019-W-180911	598697-006	SMP
MW001-W-180911	598697-001	SMP
MW037-W-180911	598697-004	SMP
MW043-W-180911	598697-005	SMP
MW045-W-180911	598697-003	SMP
MW046A-W-180911	598697-002	SMP
MW075SA-W-180911	598697-009	SMP
MW076SA-W-180911	598697-008	SMP
MW084SA-W-180911	598697-010	SMP
MW085SA-W-180911	598697-011	SMP
MW086SA-W-180911	598697-012	SMP
MW100-W-180911	598697-007	SMP
	3063197-1-BKS	BKS
	3063197-1-BLK	BLK
	3063197-1-BSD	BSD
	598697-001 D	MD
	598697-014 D	MD

Analytical Log

Analytical Method:	Dissolved Metals by SW6020A	Batch #:	3063327
Project Name:	Chevron N. Eunice	Project ID:	B0048789.0004
Client Name:	ARCADIS	WO Number:	598697

Client Sample Id	Lab Sample Id	QC Types
DUP03-W-180911	598697-013	SMP
DUP07-W-180911	598697-014	SMP
IW019-W-180911	598697-006	SMP
MW001-W-180911	598697-001	SMP
MW037-W-180911	598697-004	SMP
MW043-W-180911	598697-005	SMP
MW045-W-180911	598697-003	SMP
MW046A-W-180911	598697-002	SMP
MW075SA-W-180911	598697-009	SMP
MW076SA-W-180911	598697-008	SMP
MW084SA-W-180911	598697-010	SMP
MW085SA-W-180911	598697-011	SMP
MW086SA-W-180911	598697-012	SMP
MW100-W-180911	598697-007	SMP
	598697-001 S	MS
	598697-001 SD	MSD
	7662348-1-BKS	BKS
	7662348-1-BLK	BLK
	7662348-1-BSD	BSD

Analytical Log

Analytical Method:	TPH By SW8015 Mod	Batch #:	3063336
Project Name:	Chevron N. Eunice	Project ID:	B0048789.0004
Client Name:	ARCADIS	WO Number:	598697

Client Sample Id	Lab Sample Id	QC Types
DUP03-W-180911	598697-013	SMP
IW019-W-180911	598697-006	SMP
MW001-W-180911	598697-001	SMP
MW037-W-180911	598697-004	SMP
MW043-W-180911	598697-005	SMP
MW045-W-180911	598697-003	SMP
MW046A-W-180911	598697-002	SMP
	598697-001 S	MS
	598697-001 SD	MSD
	7662365-1-BKS	BKS
	7662365-1-BLK	BLK
	7662365-1-BSD	BSD

Analytical Log

Analytical Method:	Chloride by EPA 300	Batch #:	3063340
Project Name:	Chevron N. Eunice	Project ID:	B0048789.0004
Client Name:	ARCADIS	WO Number:	598697

Client Sample Id	Lab Sample Id	QC Types
DUP03-W-180911	598697-013	SMP
DUP07-W-180911	598697-014	SMP
IW019-W-180911	598697-006	SMP
MW001-W-180911	598697-001	SMP
MW037-W-180911	598697-004	SMP
MW043-W-180911	598697-005	SMP
MW045-W-180911	598697-003	SMP
MW046A-W-180911	598697-002	SMP
MW075SA-W-180911	598697-009	SMP
MW076SA-W-180911	598697-008	SMP
MW084SA-W-180911	598697-010	SMP
MW085SA-W-180911	598697-011	SMP
MW086SA-W-180911	598697-012	SMP
MW100-W-180911	598697-007	SMP
	598685-001 S	MS
	598685-001 SD	MSD
	598687-001 S	MS
	598687-001 SD	MSD
	7662143-1-BKS	BKS
	7662143-1-BLK	BLK
	7662143-1-BSD	BSD

Form 2 - Surrogate Recoveries

Project Name: Chevron N. Eunice

Work Orders : 598697,

Project ID: B0048789.0004

Lab Batch #: 3062942 **Sample:** 7662127-1-BKS / BKS **Batch:** 1 **Matrix:** Water

Units: mg/L **Date Analyzed:** 09/12/18 08:30

SURROGATE RECOVERY STUDY

BTEX by EPA 8021B Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1,4-Difluorobenzene	0.0262	0.0300	87	70-130	
4-Bromofluorobenzene	0.0295	0.0300	98	70-130	

Lab Batch #: 3062942 **Sample:** 7662127-1-BSD / BSD **Batch:** 1 **Matrix:** Water

Units: mg/L **Date Analyzed:** 09/12/18 08:50

SURROGATE RECOVERY STUDY

BTEX by EPA 8021B Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1,4-Difluorobenzene	0.0293	0.0300	98	70-130	
4-Bromofluorobenzene	0.0267	0.0300	89	70-130	

Lab Batch #: 3062942 **Sample:** 598532-001 S / MS **Batch:** 1 **Matrix:** Water

Units: mg/L **Date Analyzed:** 09/12/18 09:10

SURROGATE RECOVERY STUDY

BTEX by EPA 8021B Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1,4-Difluorobenzene	0.0292	0.0300	97	70-130	
4-Bromofluorobenzene	0.0280	0.0300	93	70-130	

Lab Batch #: 3062942 **Sample:** 598532-001 SD / MSD **Batch:** 1 **Matrix:** Water

Units: mg/L **Date Analyzed:** 09/12/18 09:31

SURROGATE RECOVERY STUDY

BTEX by EPA 8021B Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1,4-Difluorobenzene	0.0276	0.0300	92	70-130	
4-Bromofluorobenzene	0.0287	0.0300	96	70-130	

Lab Batch #: 3062942 **Sample:** 7662127-1-BLK / BLK **Batch:** 1 **Matrix:** Water

Units: mg/L **Date Analyzed:** 09/12/18 10:10

SURROGATE RECOVERY STUDY

BTEX by EPA 8021B Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1,4-Difluorobenzene	0.0280	0.0300	93	70-130	
4-Bromofluorobenzene	0.0290	0.0300	97	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.

Form 2 - Surrogate Recoveries

Project Name: Chevron N. Eunice

Work Orders : 598697,

Project ID: B0048789.0004

Lab Batch #: 3063336 **Sample:** 7662365-1-BLK / BLK **Batch:** 1 **Matrix:** Water

Units: mg/L **Date Analyzed:** 09/14/18 22:26

SURROGATE RECOVERY STUDY

TPH By SW8015 Mod Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1-Chlorooctane	9.97	9.98	100	70-135	
o-Terphenyl	5.05	4.99	101	70-135	

Lab Batch #: 3063336 **Sample:** 7662365-1-BKS / BKS **Batch:** 1 **Matrix:** Water

Units: mg/L **Date Analyzed:** 09/14/18 22:45

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	9.98	121	70-135	
o-Terphenyl	5.39	4.99	108	70-135	

Lab Batch #: 3063336 **Sample:** 7662365-1-BSD / BSD **Batch:** 1 **Matrix:** Water

Units: mg/L **Date Analyzed:** 09/14/18 23:05

SURROGATE RECOVERY STUDY

TPH By SW8015 Mod Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1-Chlorooctane	12.2	9.98	122	70-135	
o-Terphenyl	5.19	4.99	104	70-135	

Lab Batch #: 3063336 **Sample:** 598697-001 S / MS **Batch:** 1 **Matrix:** Water

Units: mg/L **Date Analyzed:** 09/14/18 23:45

SURROGATE RECOVERY STUDY

TPH By SW8015 Mod Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1-Chlorooctane	11.7	9.99	117	70-135	
o-Terphenyl	4.90	4.99	98	70-135	

Lab Batch #: 3063336 **Sample:** 598697-001 SD / MSD **Batch:** 1 **Matrix:** Water

Units: mg/L **Date Analyzed:** 09/15/18 00:05

SURROGATE RECOVERY STUDY

TPH By SW8015 Mod Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1-Chlorooctane	10.9	9.99	109	70-135	
o-Terphenyl	4.76	5.00	95	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.

BS / BSD Recoveries

Project Name: Chevron N. Eunice

Work Order #: 598697 **Project ID:** B0048789.0004

Analyst: ALJ **Date Prepared:** 09/12/2018 **Date Analyzed:** 09/12/2018

Lab Batch ID: 3062942 **Sample:** 7662127-1-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	0.0903	90	0.100	0.101	101	11	70-130	25	
Toluene	<0.000367	0.100	0.108	108	0.100	0.104	104	4	70-130	25	
Ethylbenzene	<0.000657	0.100	0.117	117	0.100	0.110	110	6	70-130	25	
m,p-Xylenes	<0.000630	0.200	0.231	116	0.200	0.216	108	7	70-130	25	
o-Xylene	<0.000642	0.100	0.112	112	0.100	0.105	105	6	70-130	25	

Analyst: SCM **Date Prepared:** 09/12/2018 **Date Analyzed:** 09/12/2018

Lab Batch ID: 3063340 **Sample:** 7662143-1-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	<0.0858	25.0	25.2	101	25.0	25.1	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

BS / BSD Recoveries

Project Name: Chevron N. Eunice

Work Order #: 598697 **Project ID:** B0048789.0004

Analyst: OJS **Date Prepared:** 09/12/2018 **Date Analyzed:** 09/12/2018

Lab Batch ID: 3062935 **Sample:** 3062935-1-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	0.0409	102	0.0400	0.0410	103	0	85-115	20	

Analyst: OJS **Date Prepared:** 09/12/2018 **Date Analyzed:** 09/12/2018

Lab Batch ID: 3062947 **Sample:** 3062947-1-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	0.0409	102	0.0400	0.0410	103	0	85-115	20	

Analyst: DEP **Date Prepared:** 09/15/2018 **Date Analyzed:** 09/16/2018

Lab Batch ID: 3063327 **Sample:** 7662348-1-BKS **Batch #:** 1 **Matrix:** Water

Units: mg/L

BLANK /BLANK SPIKE / BLANK SPIKE DUPLICATE RECOVERY STUDY

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	0.101	101	0	80-120	20	
Barium	<0.000484	0.100	0.100	100	0.100	0.101	101	1	80-120	20	
Chromium	<0.000525	0.100	0.0999	100	0.100	0.0980	98	2	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

BS / BSD Recoveries

Project Name: Chevron N. Eunice

Work Order #: 598697 **Project ID:** B0048789.0004

Analyst: OJS **Date Prepared:** 09/12/2018 **Date Analyzed:** 09/12/2018

Lab Batch ID: 3063197 **Sample:** 3063197-1-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	<5.00	1000	985	99	1000	954	95	3	80-120	10	

Analyst: ARM **Date Prepared:** 09/14/2018 **Date Analyzed:** 09/14/2018

Lab Batch ID: 3063336 **Sample:** 7662365-1-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	<0.986	99.8	94.7	95	99.8	91.9	92	3	70-135	20	
Diesel Range Organics	<0.911	99.8	99.7	100	99.8	93.9	94	6	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

Form 3 - MS / MSD Recoveries

Project Name: Chevron N. Eunice

Work Order # : 598697 **Project ID:** B0048789.0004

Lab Batch ID: 3062942 **QC- Sample ID:** 598532-001 S **Batch #:** 1 **Matrix:** Water

Date Analyzed: 09/12/2018 **Date Prepared:** 09/12/2018 **Analyst:** ALJ

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	0.109	109	0.100	0.101	101	8	70-130	25	
Toluene	<0.000367	0.100	0.109	109	0.100	0.102	102	7	70-130	25	
Ethylbenzene	<0.000657	0.100	0.115	115	0.100	0.109	109	5	70-130	25	
m,p-Xylenes	<0.000630	0.200	0.228	114	0.200	0.217	109	5	70-130	25	
o-Xylene	<0.000642	0.100	0.110	110	0.100	0.105	105	5	70-130	25	

Lab Batch ID: 3063340 **QC- Sample ID:** 598685-001 S **Batch #:** 1 **Matrix:** Drinking Water

Date Analyzed: 09/12/2018 **Date Prepared:** 09/12/2018 **Analyst:** SCM

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	11.7	25.0	36.7	100	25.0	36.8	100	0	90-110	20	

Lab Batch ID: 3063340 **QC- Sample ID:** 598687-001 S **Batch #:** 1 **Matrix:** Drinking Water

Date Analyzed: 09/12/2018 **Date Prepared:** 09/12/2018 **Analyst:** SCM

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	5.21	25.0	31.1	104	25.0	31.1	104	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.

Form 3 - MS / MSD Recoveries

Project Name: Chevron N. Eunice

Work Order # : 598697 **Project ID:** B0048789.0004

Lab Batch ID: 3062935 **QC- Sample ID:** 598640-001 S **Batch #:** 1 **Matrix:** Water

Date Analyzed: 09/12/2018 **Date Prepared:** 09/12/2018 **Analyst:** OJS

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	0.208	104	0.200	0.207	104	0	75-125	20	

Lab Batch ID: 3062947 **QC- Sample ID:** 598697-014 S **Batch #:** 1 **Matrix:** Water

Date Analyzed: 09/12/2018 **Date Prepared:** 09/12/2018 **Analyst:** OJS

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	0.203	102	0.200	0.203	102	0	75-125	20	

Lab Batch ID: 3063327 **QC- Sample ID:** 598697-001 S **Batch #:** 1 **Matrix:** Water

Date Analyzed: 09/16/2018 **Date Prepared:** 09/15/2018 **Analyst:** DEP

Reporting Units: mg/L

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY STUDY

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	0.00241	0.100	0.106	104	0.100	0.107	105	1	75-125	20	
Barium	0.0518	0.100	0.160	108	0.100	0.159	107	1	75-125	20	
Chromium	0.00146	0.100	0.0989	97	0.100	0.0976	96	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.

Form 3 - MS / MSD Recoveries

Project Name: Chevron N. Eunice

Work Order # : 598697 **Project ID:** B0048789.0004

Lab Batch ID: 3063336 **QC- Sample ID:** 598697-001 S **Batch #:** 1 **Matrix:** Water

Date Analyzed: 09/14/2018 **Date Prepared:** 09/14/2018 **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	<0.986	99.9	90.8	91	99.9	86.8	87	5	70-135	20	
Diesel Range Organics	<0.911	99.9	92.6	93	99.9	86.6	87	7	70-135	20	

Matrix Spike Percent Recovery [D] = 100*(C-A)/B

Matrix Spike Duplicate Percent Recovery [G] = 100*(F-A)/E

Relative Percent Difference RPD = 200*|(C-F)/(C+F)|

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.

Sample Duplicate Recovery

Project Name: Chevron N. Eunice

Work Order #: 598697

Lab Batch #: 3063197 **Project ID:** B0048789.0004

Date Analyzed: 09/12/2018 17:10 **Date Prepared:** 09/12/2018 **Analyst:** OJS

QC- Sample ID: 598697-001 D **Batch #:** 1 **Matrix:** Water

Reporting Units: mg/L

TDS by SM2540C	SAMPLE / SAMPLE DUPLICATE RECOVERY				
Analyte	Parent Sample Result [A]	Sample Duplicate Result [B]	%RPD	RPD Limit	Flag
Total Dissolved Solids	2610	2530	3	10	

Lab Batch #: 3063197

Date Analyzed: 09/12/2018 17:10 **Date Prepared:** 09/12/2018 **Analyst:** OJS

QC- Sample ID: 598697-014 D **Batch #:** 1 **Matrix:** Water

Reporting Units: mg/L

TDS by SM2540C	SAMPLE / SAMPLE DUPLICATE RECOVERY				
Analyte	Parent Sample Result [A]	Sample Duplicate Result [B]	%RPD	RPD Limit	Flag
Total Dissolved Solids	1730	1750	1	10	

Log Difference Log Diff. = Log(Sample Duplicate) - Log(Original Sample)

Spike Relative Difference RPD 200 * | (B-A)/(B+A) |

All Results are based on MDL and validated for QC purposes.

BRL - Below Reporting Limit

Attachment A Laboratory Data Package Cover Page

Project Name: **Chevron N. Eunice** Laboratory Number: **598697**

This Data package consists of : Laboratory Batch No(s) **3063336, 3063340, 3063197, 3062942, 3062**

This signature page, the laboratory review checklist, and the following reportable data:

[X] R1 Field chain-of-custody documentation;

[X] R2 Sample identification cross-reference;

[X] R3 Test reports (analytical data sheets) for each environmental sample that includes:
- a) Items consistent with NELAC 5
- b) dilution factors,
- c) preparation methods,
- d) cleanup methods, and
- e) if required for the project, tentatively identified compounds (TICs).

[X] R4 Surrogate Recovery data including:
- a) Calculated recovery (%R), and
- b) The laboratory's surrogate QC limits.

[X] R5 Test reports/summary forms for blank samples;

[X] R6 Test reports/summary forms for laboratory control samples (LCSs) including:
- a) LCS spiking amounts,
- b) Calculated %R for each analyte, and
- c) The laboratory's LCS QC limits.

[X] R7 Test reports for project matrix spike/matrix spike duplicates (MS/MSDs) including:
- a) Samples associated with the MS/MSD clearly identified,
- b) MS/MSD spiking amounts,
- c) Concentration of each MS/MSD analyte measured in the parent and spiked samples,
- d) Calculated %Rs and relative percent differences (RPDs) and
- e) The laboratory's MS/MSD QC limits

[X] R8 Laboratory anaytical duplicate (if applicable) recovery and precision:
- a) the amount of analyte measured in the duplicate,
- b) the calculated RPD, and
- c) the laboratory's QC limits for analytical duplicates.

[X] R9 List of method quantitation limits (MQLs) and detectability check sample results for each analyte for each method and matrix;

[X] R10 Other problems or anomalies.

[X] Exception Report for every "No" or "Not Reviewed (NR)" item in Laboratory Review Checklist and for each analyte, matrix, and method for which the laboratory does not hold NELAC accreditation under the Texas Laboratory Accreditation Program.

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

Check, if applicable: [ ] This laboratory meets an exception under 30 TAC 25.6 and was last inspection by [ ] TCEQ or [ ] _____ on (enter date of last inspection). Any findings affecting the data in this laboratory data package are noted in the Exception Reports herein. The offical signing the cover page of the report in which these data are used is responsible for releasing this data package and is by signature affirming the above release statement is true.

Kelsey Brooks		**Project Manager**	**19-SEP-18**
Name (Printed)	Signature	Official Title (printed)	Date

A1

Attachment A (cont'd) : Laboratory Review Checklist: Reportable Data

Laboratory Name:	XENCO LABORATORIES	LRC Date :	19-SEP-18
Project Name:	Chevron N. Eunice	Laboratory Job Number :	598697
Reviewer Name:	KEB	Batch Number(s) :	3063336, 3063340, 3063197, 3062942, 3062935, 3062947, 3063327

#[1]	A[2]	Description	Yes	No	NA[3]	NR[4]	ER#[5]
R1	OI	**Chain-of-Custody (COC)**					
		Did samples meet the laboratory's standard conditions of sample acceptability upon receipt?	X				
		Were all departures from standard conditions described in an exception report?			X		
R2	OI	**Sample and Quality Control (QC) Identification**					
		Are all field sample ID numbers cross-referenced to the laboratory ID numbers?	X				
		Are all laboratory ID numbers cross-referenced to the corresponding QC data?	X				
R3	OI	**Test Reports**					
		Were all samples prepared and analyzed within holding times?	X				
		Other than those results <MQL, were all other raw values bracketed by calibration standards?	X				
		Were calculations checked by a peer or supervisor?	X				
		Were all analyte identifications checked by a peer or supervisor?	X				
		Were sample detection limits reported for all analytes not detected?	X				
		Were all results for soil and sediment samples reported on a dry weight basis?			X		
		Were % moisture (or solids) reported for all soil and sediment samples?			X		
		Were bulk soil/solid samples for volatile analysis extracted with methanol per SW846 Method 5035?			X		
		If required for the project, were TICs reported?			X		
R4	O	**Surrogate Recovery Data**					
		Were surrogates added prior to extraction?	X				
		Were surrogate percent recoveries in all samples within the laboratory QC limits?		X			1
R5	OI	**Test Reports/Summary Forms for Blank Samples**					
		Were appropriate type(s) of blanks analyzed?	X				
		Were blanks analyzed at the appropriate frequency ?	X				
		Were method blanks taken through the entire analytical procedure, including preparation and, if applicable, cleanup procedures ?	X				
		Were Blank Concentrations <MQL?	X				
R6	OI	**Laboratory Control Samples (LCS):**					
		Were all COCs included in the LCS?	X				
		Was each LCS taken through the entire analytical procedure, including prep and cleanup steps?	X				
		Were LCSs analyzed at the required frequency?	X				
		Were LCS (and LCSD, if applicable) %Rs within the laboratory QC limits?	X				
		Does the detectability check sample data document the laboratory's capability to detect the COCs at the MDL used to calculate the SDLs?	X				
		Was the LCSD RPD within the QC limits?	X				
R7	OI	**Matrix Spike (MS) and Matrix Spike Duplicate (MSD) data**					
		Were the project/method specified analytes included in the MS and MSD?	X				
		Were MS/MSD analyzed at the appropriate frequency?	X				
		Were MS (and MSD, if applicable) %Rs within the laboratory QC limits?	X				
		Were MS/MSD RPDs within the laboratory QC limits?	X				
R8	OI	**Analytical Duplicate Data**					
		Were appropriate analytical duplicates analyzed for each matrix?	X				
		Were analytical duplicates analyzed at the appropriate frequency?	X				
		Were RPDs or relative standard deviations within the laboratory QC limits?	X				
R9	OI	**Method Quantitation Limits (MQLs)**					
		Are the MQLs for each method analyte included in the laboratory data package?	X				
		Do the MQLs correspond to the concentration of the lowest non-zero calibration standard?	X				
		Are unadjusted MQLs and DCSs included in the laboratory data package?	X				
R10	OI	**Other Problems/Anomalies**					
		Are all known problems/anomalies/special conditions noted in this LRC and ER?	X				
		Is the laboratory NELAC-accredited under the Texas Laboratory Accreditation Program for the analytes, matrices and methods associated with this laboratory data package?	X				
		Was applicable and available technology used to lower the SDL to minimize the matrix interference effects on the sample results?	X				

Attachment A (cont'd) : Laboratory Review Checklist: Reportable Data

Laboratory Name:	XENCO LABORATORIES	LRC Date :	19-SEP-18
Project Name:	Chevron N. Eunice	Laboratory Job Number :	598697
Reviewer Name:	KEB	Batch Number(s) :	3063336, 3063340, 3063197, 3062942, 3062935, 3062947, 3063327

#[1]	A[2]	Description	Yes	No	NA[3]	NR[4]	ER#[5]
S1	OI	**Initial Calibration (ICAL)**					
		Were response factors and/or relative response factors for each analyte within QC limits?	X				
		Were percent RSDs or correlation coefficient criteria met?	X				
		Was the number of standards recommended in the method used for all analytes?	X				
		Were all points generated between the lowest and the highest standard used to calculate the curve?	X				
		Are ICAL data available for all instruments used?	X				
		Has the initial calibration curve been verified using an appropriate second source standard?	X				
S2	OI	**Initial and Continuing Calibration Verification (ICCV and CCV) and continuing calibration blank (**					
		Was the CCV analyzed at the method-required frequency?	X				
		Were percent differences for each analyte within the method-required QC limits?	X				
		Was the ICAL curve verified for each analyte?	X				
		Was the absolute value of the analyte concentration in the inorganic CCB <MDL?	X				
S3	O	**Mass Spectral Tuning**					
		Was the appropriate compound for the method used for tuning?			X		
		Were ion abundance data within the method-required QC limits?			X		
S4	O	**Internal Standard (IS)**					
		Were IS area counts and retention times within the method-required QC limits?	X				
S5	OI	**Raw Data (NELAC 5.5.10)**					
		Were the raw data (for example, chromatograms, spectral data) reviewed by an analyst?	X				
		Were data associated with manual integrations flagged on the raw data?	X				
S6	O	**Dual Column Confirmation**					
		Did dual column confirmation results meet the method-required QC?			X		
S7	O	**Tentatively Identified Compounds (TICs)**					
		If TICs were requested, were the mass spectra and TIC data subject to appropriate checks?			X		
S8	I	**Interference Check Sample (ICS) Results**					
		Were percent recoveries within method QC limits?	X				
S9	I	**Serial Dilutions, Post Digestions Spikes, and Method of Standard Additions**					
		Were percent differences, recoveries, and the linearity within the QC limits specified in the method?	X				
S10	OI	**Method Detection Limit (MDL) Studies**					
		Was a MDL study performed for each reported analyte?	X				
		Is the MDL either adjusted or supported by the analysis of DCSs?	X				
S11	OI	**Proficiency Test Reports**					
		Was the laboratory's performance acceptable on the applicable proficiency tests or evaluation studies?	X				
S12	OI	**Standards Documentation**					
		Are all standards used in the analyses NIST-traceable or obtained from other appropriate sources?	X				
S13	OI	**Compound/Analyte Identification Procedures**					
		Are the procedures for compound/analyte identification documented?	X				
S14	OI	**Demonstration of Analyst Competency (DOC)**					
		Was DOC conducted consistent with NELAC Chapter 5?	X				
		Is documentation of the analyst's competency up-to-date and on file?	X				
S15	OI	**Verification/Validation Documentation for Methods (NELAC Chapter 5)**					
		Are all methods used to generate the data documented, verified, and validated, where applicable?	X				
S16	OI	**Laboratory Standard Operating Procedures (SOPs)**					
		Are laboratory SOPs current and on file for each method performed?	X				

1. Items identified by the letter "R" must be included in the laboratory data package submitted to the TCEQ-required report(s). Items identified by the letter "S" should be retained and made available upon request for the appropriate retention period.
2. O = organic analyses; I = inorganic analyses (and general chemistry, when applicable).
3. NA = Not applicable;
4. NR = Not reviewed;
5. ER# = Exception Report Identification number (an Exception Report should be completed for an item if "NR" or "No" is checked).

Attachment A (cont'd): Laboratory Review Checklist: Exception Reports

Laboratory Name:	XENCO LABORATORIES	LRC Date:	19-SEP-18
Project Name:	Chevron N. Eunice	Laboratory Job Number:	598697
Reviewer Name:	KEB	Batch Number(s) :	3063336, 3063340, 3063197, 3062942, 3062935, 3062947, 3063327

ER# [1]	DESCRIPTION
1	SW8021BM Batch 3062942, Surrogate 1,4-Difluorobenzene recovered below QC limits. Matrix interferences is suspected; data confirmed by re-analysis. Samples affected are: 598697-005.

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

A4

DCS Summary 598697

ARCADIS, Midland, TX

Chevron N. Eunice

Analytical Method: **Chloride by EPA 300** Matrix: **Water**

Prep Method: **E300P** Laboratory: **Xenco - Midland**

Parameter	SDL	MQL	Spike Amount	Actual Amount	Units
Chloride	0.0858	0.500	0.250	0.177	mg/L

Analytical Method: **Chromium, Hexavalent by SW 7196A** Matrix: **Water**

Prep Method: Laboratory: **Xenco - Midland**

Parameter	SDL	MQL	Spike Amount	Actual Amount	Units
Chromium, Hexavalent	0.00273	0.0100	0.00800	0.00510	mg/L

Analytical Method: **Dissolved Metals by SW6020A** Matrix: **Water**

Prep Method: **SW3010A** Laboratory: **Xenco - Houston**

Parameter	SDL	MQL	Spike Amount	Actual Amount	Units
Arsenic	0.000246	0.00400	0.00200	0.00294	mg/L
Barium	0.000484	0.00400	0.00400	0.00401	mg/L
Chromium	0.000525	0.00400	0.00200	0.00400	mg/L

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ARCADIS

ID#:

CHAIN OF CUSTODY & LABORATORY ANALYSIS REQUEST FORM

Page 1 of 1

Lab Work Order # 598697

Send Results to:

Contact & Company Name: Brett Krehbiel Arcadis
Telephone: 916-786-0320
Address: 101 Creekside Ridge Court, Suite 200
Fax: 916-786-0366
City: Roseville State: CA Zip: 95678
E-mail Address: brett.krehbiel@arcadis.com
Project Name/Location (City, State): Chevron N. Eunice
Project #: B0048789.0004
Sampler's Printed Name: Jerry S. Longwell
Sampler's Signature:

Preservative	B	B	C	E	E			
Filtered (✓)			✓	✓				
# of Containers	21	14	14	14	14			
Container Information	1	1	3	4	4			

PARAMETER ANALYSIS & METHOD

Sample ID	Collection Date	Collection Time	Type (✓) Comp	Type (✓) Grab	Matrix	BTEX 8021B	TPH GRO & DRO 8015B	Dissolved As, Mn, Fe, Cr 6010B	Dissolved Hex Chromium 7196	Chloride & TDS			REMARKS
MW001-W-180911	09/11/18	1150		X	W	3	2	1	1	1			
MW046A-W-180911	09/11/18	1220		X	W	3	2	1	1	1			
MW045-W-180911	09/11/18	1226		X	W	3	2	1	1	1			
MW037-W-180911	09/11/18	1248		X	W	3	2	1	1	1			
MW043-W-180911	09/11/18	1346		X	W	3	2	1	1	1			
TW019-W-180911	09/11/18	1312		X	W	3	2	1	1	1			
MW100-W-180911 DUP	09/11/18	1342		X	W	3	2	1	1	1			
MW076SA-W-180911 DUP		1402		X	W	—	—	1	1	1			
MW075SA-W-180911		1412		X	W	—	—	1	1	1			
MW034SA-W-180911		1423		X	W	—	—	1	1	1			
MW085SA-W-180911		1432		X	W	—	—	1	1	1			
MW086SA-W-180911 DUP		1447		X	W	—	—	1	1	1			
DUP03-W-180911	09/11/18	—		X	W	3	2	1	1	1			
DUP07-W-180911	09/11/18	—		X	W	—	—	1	1	1			

Keys

Preservation Key:
A. H_2SO_4
B. HCL
C. HNO_3
D. NaOH
E. None
F. Other: _____
G. Other: _____
H. Other: _____

Container Information Key:
1. 40 ml Vial
2. 1 L Amber
3. 250 ml Plastic
4. 500 ml Plastic
5. Encore
6. 2 oz. Glass
7. 4 oz. Glass
8. 8 oz. Glass
9. Other: _____
10. Other: _____

Matrix Key:
SO - Soil
W - Water
T - Tissue
SE - Sediment
SL - Sludge
A - Air
NL - NAPL/Oil
SW - Sample Wipe
Other: _____

Special Instructions/Comments:

☐ Special QA/QC Instructions(✓):

Laboratory Information and Receipt

Lab Name: Xenco
☑ Cooler packed with ice (✓)
Specify Turnaround Requirements: Standard TAT
Shipping Tracking #:
Cooler Custody Seal (✓) ☐ Intact ☐ Not Intact
Sample Receipt: Condition/Cooler Temp: 0.3/0.0

Relinquished By	Received By	Relinquished By	Laboratory Received By
Printed Name: Jerry S. Longwell	Printed Name: Winston Ward	Printed Name: Winston Ward	Printed Name: Julian Martinez
Signature:	Signature:	Signature:	Signature:
Firm: Arcadis	Firm/Courier: Xenco	Firm/Courier: Xenco	Firm: Xenco
Date/Time: 09/11/18 1632	Date/Time: 09/11/18 16:59	Date/Time: 09/11/18	Date/Time: 9-11-18 19:00

20730826 CofC AR Form 08.27.2015

Distribution: WHITE – Laboratory returns with results; YELLOW – Lab copy; PINK – Retained by Arcadis

Received by OCD: 3/25/2020 3:45:40 PM
Final 1.000
Page 58 of 61
Released to Imaging: 6/14/2022 10:44:20 AM

Inter-Office Shipment

IOS Number **113764**

Date/Time: 09/12/18 08:16
Lab# From: **Midland**
Lab# To: **Houston**

Created by: Brianna Teel
Delivery Priority:
Air Bill No.: 773204462358

Please send report to: Kelsey Brooks
Address: 1211 W. Florida Ave, Midland TX 79701
E-Mail: kelsey.brooks@xenco.com

Sample Id	Matrix	Client Sample Id	Sample Collection	Method	Method Name	Lab Due	HT Due	PM	Analytes	Sign
598697-001	W	MW001-W-180911	09/11/18 11:50	SW6020_DIS	Dissolved Metals by SW6020A	09/17/18	03/10/19	KEB	AS BA CR	
598697-002	W	MW046A-W-180911	09/11/18 12:20	SW6020_DIS	Dissolved Metals by SW6020A	09/17/18	03/10/19	KEB	AS BA CR	
598697-003	W	MW045-W-180911	09/11/18 12:26	SW6020_DIS	Dissolved Metals by SW6020A	09/17/18	03/10/19	KEB	AS BA CR	
598697-004	W	MW037-W-180911	09/11/18 12:49	SW6020_DIS	Dissolved Metals by SW6020A	09/17/18	03/10/19	KEB	AS BA CR	
598697-005	W	MW043-W-180911	09/11/18 13:46	SW6020_DIS	Dissolved Metals by SW6020A	09/17/18	03/10/19	KEB	AS BA CR	
598697-006	W	IW019-W-180911	09/11/18 13:17	SW6020_DIS	Dissolved Metals by SW6020A	09/17/18	03/10/19	KEB	AS BA CR	
598697-007	W	MW100-W-180911	09/11/18 13:42	SW6020_DIS	Dissolved Metals by SW6020A	09/17/18	03/10/19	KEB	AS BA CR	
598697-008	W	MW076SA-W-180911	09/11/18 14:02	SW6020_DIS	Dissolved Metals by SW6020A	09/17/18	03/10/19	KEB	AS BA CR	
598697-009	W	MW075SA-W-180911	09/11/18 14:12	SW6020_DIS	Dissolved Metals by SW6020A	09/17/18	03/10/19	KEB	AS BA CR	
598697-010	W	MW084SA-W-180911	09/11/18 14:23	SW6020_DIS	Dissolved Metals by SW6020A	09/17/18	03/10/19	KEB	AS BA CR	
598697-011	W	MW085SA-W-180911	09/11/18 14:32	SW6020_DIS	Dissolved Metals by SW6020A	09/17/18	03/10/19	KEB	AS BA CR	
598697-012	W	MW086SA-W-180911	09/11/18 14:47	SW6020_DIS	Dissolved Metals by SW6020A	09/17/18	03/10/19	KEB	AS BA CR	
598697-013	W	DUP03-W-180911	09/11/18 00:00	SW6020_DIS	Dissolved Metals by SW6020A	09/17/18	03/10/19	KEB	AS BA CR	
598697-014	W	DUP07-W-180911	09/11/18 00:00	SW6020_DIS	Dissolved Metals by SW6020A	09/17/18	03/10/19	KEB	AS BA CR	

Inter Office Shipment or Sample Comments:

Relinquished By: Brianna Teel
Brianna Teel

Date Relinquished: 09/12/2018

Received By: Maria Paula Guerra

Date Received: 09/13/2018 09:30

Cooler Temperature: 4.5

XENCO Laboratories

Inter Office Report- Sample Receipt Checklist

Sent To: Houston

IOS #: 113764

Acceptable Temperature Range: 0 - 6 degC
Air and Metal samples Acceptable Range: Ambient
Temperature Measuring device used : IR:HOU068

Sent By: Brianna Teel **Date Sent:** 09/12/2018 08:16 AM

Received By: Maria Paula Guerra **Date Received:** 09/13/2018 09:30 AM

Sample Receipt Checklist		Comments
#1 *Temperature of cooler(s)?	4.5	
#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: mPaula Guerra Date: 09/13/2018

Maria Paula Guerra

XENCO Laboratories

Prelogin/Nonconformance Report- Sample Log-In

Client: ARCADIS

Date/ Time Received: 09/11/2018 07:00:00 PM

Work Order #: 598697

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

Temperature Measuring device used : R8

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**	Metals to Stafford
#18 Water VOC samples have zero headspace?	**Yes**	

*** Must be completed for after-hours delivery of samples prior to placing in the refrigerator**

Analyst: BT

PH Device/Lot#: 213315

Checklist completed by: Brianna Teel — Date: 09/12/2018

Brianna Teel

Checklist reviewed by: Kelsey Brooks — Date: 09/13/2018

Kelsey Brooks

Analytical Report 598921

for

ARCADIS

Project Manager: Brett Krehbiel

Chevron N. Eunice

B0048789.0004

19-SEP-18

Collected By: Client





1211 W. Florida Ave, Midland TX 79701

Xenco-Houston (EPA Lab Code: TX00122):
Texas (T104704215-18-27), Arizona (AZ0765), Florida (E871002-24), Louisiana (03054)
Oklahoma (2017-142)

Xenco-Dallas (EPA Lab Code: TX01468):
Texas (T104704295-18-17), Arizona (AZ0809), Arkansas (17-063-0)

Xenco-El Paso (EPA Lab Code: TX00127): Texas (T104704221-18-13)
Xenco-Lubbock (EPA Lab Code: TX00139): Texas (T104704219-18-17)
Xenco-Midland (EPA Lab Code: TX00158): Texas (T104704400-18-16)
Xenco-San Antonio (EPA Lab Code: TNI02385): Texas (T104704534-18-4)
Xenco Phoenix (EPA Lab Code: AZ00901): Arizona (AZ0757)
Xenco-Phoenix Mobile (EPA Lab Code: AZ00901): Arizona (AZM757)
Xenco-Atlanta (LELAP Lab ID #04176)
Xenco-Tampa: Florida (E87429)
Xenco-Lakeland: Florida (E84098)

Released to Imaging: 6/14/2022 10:44:20 AM

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Released to Imaging: 6/14/2022 10:44:20 AM

19-SEP-18

Project Manager: **Brett Krehbiel**
ARCADIS
1004 N. Big Spring St.
Midland, TX 79701

Reference: XENCO Report No(s): **598921**
Chevron N. Eunice
Project Address: Eunice, NM

Brett Krehbiel:

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 XENCO Report Number(s) 598921. 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 XENCO Laboratories. 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. 598921 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 XENCO Laboratories to serve your analytical needs. If you have any questions concerning this report, please feel free to contact us at any time.

Respectfully,

Kelsey Brooks
Project Manager

Recipient of the Prestigious Small Business Administration Award of Excellence in 1994.
Certified and approved by numerous States and Agencies.
A Small Business and Minority Status Company that delivers SERVICE and QUALITY

Houston - Dallas - Midland - San Antonio - Phoenix - Oklahoma - Latin America

Sample Cross Reference 598921

ARCADIS, Midland, TX

Chevron N. Eunice

Sample Id	Matrix	Date Collected	Sample Depth	Lab Sample Id
MW071SA-W-180912	W	09-12-18 09:11		598921-001
MW074SA-W-180912	W	09-12-18 09:26		598921-002
MW056SA-W-180912	W	09-12-18 09:42		598921-003
MW055SA-W-180912	W	09-12-18 09:54		598921-004
MW066SA-W-180912	W	09-12-18 10:05		598921-005
MW073SA-W-180912	W	09-12-18 10:16		598921-006
MW072SA-W-180912	W	09-12-18 11:35		598921-007
MW021SA-W-180912	W	09-12-18 11:48		598921-008
MW050SA-W-180912	W	09-12-18 11:59		598921-009
MW051SA-W-180912	W	09-12-18 12:11		598921-010
MW079SA-W-180912	W	09-12-18 12:25		598921-011
MW054SA-W-180912	W	09-12-18 12:42		598921-012
DUP04-W-180912	W	09-12-18 00:00		598921-013
DUP05-W-180912	W	09-12-18 00:00		598921-014
MW052SA-W-180912	W	09-12-18 13:09		598921-015
MW049SA-W-180912	W	09-12-18 13:20		598921-016
MW048SA-W-180912	W	09-12-18 13:32		598921-017
MW041A-W-180912	W	09-12-18 13:44		598921-018
MW062A-W-180912	W	09-12-18 14:03		598921-019
MW063A-W-180912	W	09-12-18 14:14		598921-020
MW024A-W-180912	W	09-12-18 14:43		598921-021
MW070A-W-180912	W	09-12-18 15:02		598921-022
Dup02-W-180912	W	09-12-18 00:00		598921-023
MW057SA-W-180912	W	09-12-18 11:35		598921-024

CASE NARRATIVE SUMMARY

Client Name: ***ARCADIS***

Project Name: ***Chevron N. Eunice***

Project ID:	*B0048789.0004*	*Report Date:*	*19-SEP-18*
Work Order Number:	*598921*	*Date Received:*	*12-SEP-18*

Kelsey Brooks
Project Manager

Certificate of Analytical Results
598921
ARCADIS, Midland, TX
Chevron N. Eunice

Sample Id: **MW071SA-W-180912** Matrix: Water Sample Depth:

Lab Sample Id: 598921-001 Date Collected: 09.12.18 09.11 Date Received: 09.12.18 19.00

Analytical Method: TDS by SM2540C Prep Method:

Analyst: OJS % Moist: Tech: OJS

Seq Number: 3063197 Date Prep:

Prep seq:

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Total Dissolved Solids	1642222	**1580**	5.00	5.00	mg/L	09.13.18 16:30		1

Analytical Method: Chloride by EPA 300 Prep Method: E300P

Analyst: SCM % Moist: Tech: SCM

Seq Number: 3063369 Date Prep: 09.13.18 15.00

Prep seq: 7662262

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Chloride	16887-00-6	**613**	5.00	0.858	mg/L	09.14.18 04:28		10

Analytical Method: Dissolved Metals by SW6020A Prep Method: 3010A

Analyst: DEP % Moist: Tech: MLI

Seq Number: 3063327 Date Prep: 09.15.18 11.05

Subcontractor: SUB: TX104704215-18-27 Prep seq: 7662348

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Arsenic	7440-38-2	**0.00951**	0.00400	0.000246	mg/L	09.17.18 00:28		1
Barium	7440-39-3	**0.0829**	0.00400	0.000484	mg/L	09.17.18 00:28		1
Chromium	7440-47-3	**0.00142**	0.00400	0.000525	mg/L	09.17.18 00:28	J	1

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

Analyst: OJS % Moist: Tech: OJS

Seq Number: 3063018 Date Prep:

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	09.13.18 08:05	U	1

Certificate of Analytical Results
598921
ARCADIS, Midland, TX
Chevron N. Eunice

Sample Id: **MW074SA-W-180912** Matrix: Water Sample Depth:

Lab Sample Id: 598921-002 Date Collected: 09.12.18 09.26 Date Received: 09.12.18 19.00

Analytical Method: TDS by SM2540C Prep Method:

Analyst: OJS % Moist: Tech: OJS

Seq Number: 3063197 Date Prep:

Prep seq:

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Total Dissolved Solids	1642222	**1510**	5.00	5.00	mg/L	09.13.18 16:30		1

Analytical Method: Chloride by EPA 300 Prep Method: E300P

Analyst: SCM % Moist: Tech: SCM

Seq Number: 3063369 Date Prep: 09.13.18 15.00

Prep seq: 7662262

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Chloride	16887-00-6	**376**	5.00	0.858	mg/L	09.14.18 04:39		10

Analytical Method: Dissolved Metals by SW6020A Prep Method: 3010A

Analyst: DEP % Moist: Tech: MLI

Seq Number: 3063327 Date Prep: 09.15.18 11.05

Subcontractor: SUB: TX104704215-18-27 Prep seq: 7662348

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Arsenic	7440-38-2	**0.0152**	0.00400	0.000246	mg/L	09.17.18 00:31		1
Barium	7440-39-3	**0.0349**	0.00400	0.000484	mg/L	09.17.18 00:31		1
Chromium	7440-47-3	**0.00517**	0.00400	0.000525	mg/L	09.17.18 00:31		1

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

Analyst: OJS % Moist: Tech: OJS

Seq Number: 3063018 Date Prep:

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	09.13.18 08:05	U	1

Certificate of Analytical Results
598921
ARCADIS, Midland, TX
Chevron N. Eunice

Sample Id: **MW056SA-W-180912** Matrix: Water Sample Depth:

Lab Sample Id: 598921-003 Date Collected: 09.12.18 09.42 Date Received: 09.12.18 19.00

Analytical Method: TDS by SM2540C Prep Method:

Analyst: OJS % Moist: Tech: OJS

Seq Number: 3063197 Date Prep:

Prep seq:

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Total Dissolved Solids	1642222	**3380**	5.00	5.00	mg/L	09.13.18 16:30		1

Analytical Method: Chloride by EPA 300 Prep Method: E300P

Analyst: SCM % Moist: Tech: SCM

Seq Number: 3063369 Date Prep: 09.13.18 15.00

Prep seq: 7662262

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Chloride	16887-00-6	**1130**	25.0	4.29	mg/L	09.14.18 04:50		50

Analytical Method: Dissolved Metals by SW6020A Prep Method: 3010A

Analyst: DEP % Moist: Tech: MLI

Seq Number: 3063327 Date Prep: 09.15.18 11.05

Subcontractor: SUB: TX104704215-18-27 Prep seq: 7662348

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Arsenic	7440-38-2	**0.0155**	0.00400	0.000246	mg/L	09.17.18 00:35		1
Barium	7440-39-3	**0.0252**	0.00400	0.000484	mg/L	09.17.18 00:35		1
Chromium	7440-47-3	**0.417**	0.00400	0.000525	mg/L	09.17.18 00:35		1

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

Analyst: OJS % Moist: Tech: OJS

Seq Number: 3063018 Date Prep:

Prep seq:

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Chromium, Hexavalent	18540-29-9	**0.401**	0.0100	0.00273	mg/L	09.13.18 08:05		1

Certificate of Analytical Results
598921
ARCADIS, Midland, TX
Chevron N. Eunice

Sample Id: **MW055SA-W-180912** Matrix: Water Sample Depth:

Lab Sample Id: 598921-004 Date Collected: 09.12.18 09.54 Date Received: 09.12.18 19.00

Analytical Method: TDS by SM2540C Prep Method:

Analyst: OJS % Moist: Tech: OJS

Seq Number: 3063197 Date Prep:

Prep seq:

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Total Dissolved Solids	1642222	**1660**	5.00	5.00	mg/L	09.13.18 16:30		1

Analytical Method: Chloride by EPA 300 Prep Method: E300P

Analyst: SCM % Moist: Tech: SCM

Seq Number: 3063369 Date Prep: 09.13.18 15.00

Prep seq: 7662262

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Chloride	16887-00-6	**622**	10.0	1.72	mg/L	09.14.18 05:24		20

Analytical Method: Dissolved Metals by SW6020A Prep Method: 3010A

Analyst: DEP % Moist: Tech: MLI

Seq Number: 3063327 Date Prep: 09.15.18 11.05

Subcontractor: SUB: TX104704215-18-27 Prep seq: 7662348

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Arsenic	7440-38-2	**0.00784**	0.00400	0.000246	mg/L	09.17.18 00:38		1
Barium	7440-39-3	**0.0259**	0.00400	0.000484	mg/L	09.17.18 00:38		1
Chromium	7440-47-3	**0.171**	0.00400	0.000525	mg/L	09.17.18 00:38		1

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

Analyst: OJS % Moist: Tech: OJS

Seq Number: 3063018 Date Prep:

Prep seq:

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Chromium, Hexavalent	18540-29-9	**0.166**	0.0100	0.00273	mg/L	09.13.18 08:05		1

Certificate of Analytical Results
598921
ARCADIS, Midland, TX
Chevron N. Eunice

Sample Id: **MW066SA-W-180912** Matrix: Water Sample Depth:

Lab Sample Id: 598921-005 Date Collected: 09.12.18 10.05 Date Received: 09.12.18 19.00

Analytical Method: TDS by SM2540C Prep Method:

Analyst: OJS % Moist: Tech: OJS

Seq Number: 3063197 Date Prep:

Prep seq:

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Total Dissolved Solids	1642222	**2350**	5.00	5.00	mg/L	09.13.18 16:30		1

Analytical Method: Chloride by EPA 300 Prep Method: E300P

Analyst: SCM % Moist: Tech: SCM

Seq Number: 3063369 Date Prep: 09.13.18 15.00

Prep seq: 7662262

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Chloride	16887-00-6	**884**	10.0	1.72	mg/L	09.14.18 17:06		20

Analytical Method: Dissolved Metals by SW6020A Prep Method: 3010A

Analyst: DEP % Moist: Tech: MLI

Seq Number: 3063327 Date Prep: 09.15.18 11.05

Subcontractor: SUB: TX104704215-18-27 Prep seq: 7662348

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Arsenic	7440-38-2	**0.00987**	0.00400	0.000246	mg/L	09.17.18 00:41		1
Barium	7440-39-3	**0.0345**	0.00400	0.000484	mg/L	09.17.18 00:41		1
Chromium	7440-47-3	**0.0186**	0.00400	0.000525	mg/L	09.17.18 00:41		1

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

Analyst: OJS % Moist: Tech: OJS

Seq Number: 3063018 Date Prep:

Prep seq:

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Chromium, Hexavalent	18540-29-9	**0.0137**	0.0100	0.00273	mg/L	09.13.18 08:05		1

Certificate of Analytical Results
598921
ARCADIS, Midland, TX
Chevron N. Eunice

Sample Id: **MW073SA-W-180912** Matrix: Water Sample Depth:

Lab Sample Id: 598921-006 Date Collected: 09.12.18 10.16 Date Received: 09.12.18 19.00

Analytical Method: TDS by SM2540C Prep Method:

Analyst: OJS % Moist: Tech: OJS

Seq Number: 3063197 Date Prep:

Prep seq:

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Total Dissolved Solids	1642222	**965**	5.00	5.00	mg/L	09.13.18 16:30		1

Analytical Method: Chloride by EPA 300 Prep Method: E300P

Analyst: SCM % Moist: Tech: SCM

Seq Number: 3063369 Date Prep: 09.13.18 15.00

Prep seq: 7662262

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Chloride	16887-00-6	**229**	5.00	0.858	mg/L	09.14.18 17:14		10

Analytical Method: Dissolved Metals by SW6020A Prep Method: 3010A

Analyst: DEP % Moist: Tech: AHI

Seq Number: 3063648 Date Prep: 09.17.18 10.20

Subcontractor: SUB: TX104704215-18-27 Prep seq: 7662384

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Arsenic	7440-38-2	**0.0112**	0.00400	0.000246	mg/L	09.18.18 15:36		1
Barium	7440-39-3	**0.0397**	0.00400	0.000484	mg/L	09.18.18 15:36		1
Chromium	7440-47-3	<0.000525	0.00400	0.000525	mg/L	09.18.18 15:36	U	1

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

Analyst: OJS % Moist: Tech: OJS

Seq Number: 3063018 Date Prep:

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	09.13.18 08:05	U	1

Certificate of Analytical Results
598921
ARCADIS, Midland, TX
Chevron N. Eunice

Sample Id: **MW072SA-W-180912** Matrix: Water Sample Depth:

Lab Sample Id: 598921-007 Date Collected: 09.12.18 11.35 Date Received: 09.12.18 19.00

Analytical Method: TDS by SM2540C Prep Method:

Analyst: OJS % Moist: Tech: OJS

Seq Number: 3063326 Date Prep:

Prep seq:

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Total Dissolved Solids	1642222	**1090**	5.00	5.00	mg/L	09.13.18 15:45		1

Analytical Method: Chloride by EPA 300 Prep Method: E300P

Analyst: SCM % Moist: Tech: SCM

Seq Number: 3063369 Date Prep: 09.13.18 15.00

Prep seq: 7662262

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Chloride	16887-00-6	**238**	5.00	0.858	mg/L	09.14.18 17:21		10

Analytical Method: Dissolved Metals by SW6020A Prep Method: 3010A

Analyst: DEP % Moist: Tech: AHI

Seq Number: 3063648 Date Prep: 09.17.18 10.20

Subcontractor: SUB: TX104704215-18-27 Prep seq: 7662384

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Arsenic	7440-38-2	**0.0179**	0.00400	0.000246	mg/L	09.18.18 15:40		1
Barium	7440-39-3	**0.0295**	0.00400	0.000484	mg/L	09.18.18 15:40		1
Chromium	7440-47-3	<0.000525	0.00400	0.000525	mg/L	09.18.18 15:40	U	1

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

Analyst: OJS % Moist: Tech: OJS

Seq Number: 3063018 Date Prep:

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	09.13.18 08:05	U	1

Certificate of Analytical Results
598921
ARCADIS, Midland, TX
Chevron N. Eunice

Sample Id: **MW021SA-W-180912** Matrix: Water Sample Depth:

Lab Sample Id: 598921-008 Date Collected: 09.12.18 11.48 Date Received: 09.12.18 19.00

Analytical Method: TDS by SM2540C Prep Method:

Analyst: OJS % Moist: Tech: OJS

Seq Number: 3063326 Date Prep:

Prep seq:

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Total Dissolved Solids	1642222	**5170**	5.00	5.00	mg/L	09.13.18 15:45		1

Analytical Method: Chloride by EPA 300 Prep Method: E300P

Analyst: SCM % Moist: Tech: SCM

Seq Number: 3063369 Date Prep: 09.13.18 15.00

Prep seq: 7662262

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Chloride	16887-00-6	**2330**	25.0	4.29	mg/L	09.14.18 17:29		50

Analytical Method: Dissolved Metals by SW6020A Prep Method: 3010A

Analyst: DEP % Moist: Tech: AHI

Seq Number: 3063648 Date Prep: 09.17.18 10.20

Subcontractor: SUB: TX104704215-18-27 Prep seq: 7662384

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Arsenic	7440-38-2	**0.0106**	0.00400	0.000246	mg/L	09.18.18 15:43		1
Barium	7440-39-3	**0.0274**	0.00400	0.000484	mg/L	09.18.18 15:43		1
Chromium	7440-47-3	**0.00352**	0.00400	0.000525	mg/L	09.18.18 15:43	J	1

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

Analyst: OJS % Moist: Tech: OJS

Seq Number: 3063018 Date Prep:

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	09.13.18 08:05	U	1

Certificate of Analytical Results
598921
ARCADIS, Midland, TX
Chevron N. Eunice

Sample Id: **MW050SA-W-180912** Matrix: Water Sample Depth:

Lab Sample Id: 598921-009 Date Collected: 09.12.18 11.59 Date Received: 09.12.18 19.00

Analytical Method: TDS by SM2540C Prep Method:

Analyst: OJS % Moist: Tech: OJS

Seq Number: 3063326 Date Prep:

Prep seq:

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Total Dissolved Solids	1642222	**3580**	5.00	5.00	mg/L	09.13.18 15:45		1

Analytical Method: Chloride by EPA 300 Prep Method: E300P

Analyst: SCM % Moist: Tech: SCM

Seq Number: 3063369 Date Prep: 09.13.18 15.00

Prep seq: 7662262

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Chloride	16887-00-6	**1510**	25.0	4.29	mg/L	09.14.18 17:36		50

Analytical Method: Dissolved Metals by SW6020A Prep Method: 3010A

Analyst: DEP % Moist: Tech: AHI

Seq Number: 3063648 Date Prep: 09.17.18 10.20

Subcontractor: SUB: TX104704215-18-27 Prep seq: 7662384

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Arsenic	7440-38-2	**0.00822**	0.00400	0.000246	mg/L	09.18.18 15:46		1
Barium	7440-39-3	**0.0341**	0.00400	0.000484	mg/L	09.18.18 15:46		1
Chromium	7440-47-3	**0.442**	0.00400	0.000525	mg/L	09.18.18 15:46		1

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

Analyst: OJS % Moist: Tech: OJS

Seq Number: 3063018 Date Prep:

Prep seq:

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Chromium, Hexavalent	18540-29-9	**0.405**	0.0100	0.00273	mg/L	09.13.18 08:05		1

Certificate of Analytical Results
598921
ARCADIS, Midland, TX
Chevron N. Eunice

Sample Id: **MW051SA-W-180912** Matrix: Water Sample Depth:

Lab Sample Id: 598921-010 Date Collected: 09.12.18 12.11 Date Received: 09.12.18 19.00

Analytical Method: TDS by SM2540C Prep Method:

Analyst: OJS % Moist: Tech: OJS

Seq Number: 3063326 Date Prep:

Prep seq:

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Total Dissolved Solids	1642222	**3300**	5.00	5.00	mg/L	09.13.18 15:45		1

Analytical Method: Chloride by EPA 300 Prep Method: E300P

Analyst: SCM % Moist: Tech: SCM

Seq Number: 3063369 Date Prep: 09.13.18 15.00

Prep seq: 7662262

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Chloride	16887-00-6	**1120**	25.0	4.29	mg/L	09.14.18 17:43		50

Analytical Method: Dissolved Metals by SW6020A Prep Method: 3010A

Analyst: DEP % Moist: Tech: AHI

Seq Number: 3063648 Date Prep: 09.17.18 10.20

Subcontractor: SUB: TX104704215-18-27 Prep seq: 7662384

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Arsenic	7440-38-2	**0.0116**	0.00400	0.000246	mg/L	09.18.18 15:49		1
Barium	7440-39-3	**0.0137**	0.00400	0.000484	mg/L	09.18.18 15:49		1
Chromium	7440-47-3	**0.799**	0.00400	0.000525	mg/L	09.18.18 15:49		1

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

Analyst: OJS % Moist: Tech: OJS

Seq Number: 3063018 Date Prep:

Prep seq:

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Chromium, Hexavalent	18540-29-9	**0.668**	0.0500	0.0136	mg/L	09.13.18 08:05		5

Certificate of Analytical Results
598921
ARCADIS, Midland, TX
Chevron N. Eunice

Sample Id: **MW079SA-W-180912** Matrix: Water Sample Depth:

Lab Sample Id: 598921-011 Date Collected: 09.12.18 12.25 Date Received: 09.12.18 19.00

Analytical Method: TDS by SM2540C Prep Method:

Analyst: OJS % Moist: Tech: OJS

Seq Number: 3063326 Date Prep:

Prep seq:

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Total Dissolved Solids	1642222	**1140**	5.00	5.00	mg/L	09.13.18 15:45		1

Analytical Method: Chloride by EPA 300 Prep Method: E300P

Analyst: SCM % Moist: Tech: SCM

Seq Number: 3063369 Date Prep: 09.13.18 15.00

Prep seq: 7662262

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Chloride	16887-00-6	**270**	5.00	0.858	mg/L	09.14.18 17:51		10

Analytical Method: Dissolved Metals by SW6020A Prep Method: 3010A

Analyst: DEP % Moist: Tech: AHI

Seq Number: 3063648 Date Prep: 09.17.18 10.20

Subcontractor: SUB: TX104704215-18-27 Prep seq: 7662384

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Arsenic	7440-38-2	**0.00709**	0.00400	0.000246	mg/L	09.18.18 15:52		1
Barium	7440-39-3	**0.0416**	0.00400	0.000484	mg/L	09.18.18 15:52		1
Chromium	7440-47-3	**0.000775**	0.00400	0.000525	mg/L	09.18.18 15:52	J	1

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

Analyst: OJS % Moist: Tech: OJS

Seq Number: 3063019 Date Prep:

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	09.13.18 10:00	U	1

Certificate of Analytical Results
598921
ARCADIS, Midland, TX
Chevron N. Eunice

Sample Id: **MW054SA-W-180912** Matrix: Water Sample Depth:

Lab Sample Id: 598921-012 Date Collected: 09.12.18 12.42 Date Received: 09.12.18 19.00

Analytical Method: TDS by SM2540C Prep Method:

Analyst: OJS % Moist: Tech: OJS

Seq Number: 3063326 Date Prep:

Prep seq:

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Total Dissolved Solids	1642222	**1970**	5.00	5.00	mg/L	09.13.18 15:45		1

Analytical Method: Chloride by EPA 300 Prep Method: E300P

Analyst: SCM % Moist: Tech: SCM

Seq Number: 3063369 Date Prep: 09.13.18 15.00

Prep seq: 7662262

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Chloride	16887-00-6	**800**	10.0	1.72	mg/L	09.14.18 17:58		20

Analytical Method: Dissolved Metals by SW6020A Prep Method: 3010A

Analyst: DEP % Moist: Tech: AHI

Seq Number: 3063648 Date Prep: 09.17.18 10.20

Subcontractor: SUB: TX104704215-18-27 Prep seq: 7662384

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Arsenic	7440-38-2	**0.0107**	0.00400	0.000246	mg/L	09.18.18 15:56		1
Barium	7440-39-3	**0.0422**	0.00400	0.000484	mg/L	09.18.18 15:56		1
Chromium	7440-47-3	**0.131**	0.00400	0.000525	mg/L	09.18.18 15:56		1

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

Analyst: OJS % Moist: Tech: OJS

Seq Number: 3063019 Date Prep:

Prep seq:

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Chromium, Hexavalent	18540-29-9	**0.115**	0.0100	0.00273	mg/L	09.13.18 10:00		1

Certificate of Analytical Results
598921
ARCADIS, Midland, TX
Chevron N. Eunice

Sample Id: **DUP04-W-180912** Matrix: Water Sample Depth:

Lab Sample Id: 598921-013 Date Collected: 09.12.18 00.00 Date Received: 09.12.18 19.00

Analytical Method: TDS by SM2540C Prep Method:

Analyst: OJS % Moist: Tech: OJS

Seq Number: 3063326 Date Prep:

Prep seq:

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Total Dissolved Solids	1642222	**1970**	5.00	5.00	mg/L	09.13.18 15:45		1

Analytical Method: Chloride by EPA 300 Prep Method: E300P

Analyst: SCM % Moist: Tech: SCM

Seq Number: 3063369 Date Prep: 09.13.18 15.00

Prep seq: 7662262

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Chloride	16887-00-6	**801**	10.0	1.72	mg/L	09.14.18 18:06		20

Analytical Method: Dissolved Metals by SW6020A Prep Method: 3010A

Analyst: DEP % Moist: Tech: AHI

Seq Number: 3063648 Date Prep: 09.17.18 10.20

Subcontractor: SUB: TX104704215-18-27 Prep seq: 7662384

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Arsenic	7440-38-2	**0.0108**	0.00400	0.000246	mg/L	09.18.18 15:59		1
Barium	7440-39-3	**0.0414**	0.00400	0.000484	mg/L	09.18.18 15:59		1
Chromium	7440-47-3	**0.129**	0.00400	0.000525	mg/L	09.18.18 15:59		1

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

Analyst: OJS % Moist: Tech: OJS

Seq Number: 3063019 Date Prep:

Prep seq:

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Chromium, Hexavalent	18540-29-9	**0.118**	0.0100	0.00273	mg/L	09.13.18 10:00		1

Certificate of Analytical Results
598921
ARCADIS, Midland, TX
Chevron N. Eunice

Sample Id: **DUP05-W-180912** Matrix: Water Sample Depth:

Lab Sample Id: 598921-014 Date Collected: 09.12.18 00.00 Date Received: 09.12.18 19.00

Analytical Method: TDS by SM2540C Prep Method:

Analyst: OJS % Moist: Tech: OJS

Seq Number: 3063326 Date Prep:

Prep seq:

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Total Dissolved Solids	1642222	**1030**	5.00	5.00	mg/L	09.13.18 15:45		1

Analytical Method: Chloride by EPA 300 Prep Method: E300P

Analyst: SCM % Moist: Tech: SCM

Seq Number: 3063369 Date Prep: 09.13.18 15.00

Prep seq: 7662262

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Chloride	16887-00-6	**269**	5.00	0.858	mg/L	09.14.18 18:13		10

Analytical Method: Dissolved Metals by SW6020A Prep Method: 3010A

Analyst: DEP % Moist: Tech: AHI

Seq Number: 3063648 Date Prep: 09.17.18 10.20

Subcontractor: SUB: TX104704215-18-27 Prep seq: 7662384

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Arsenic	7440-38-2	**0.00707**	0.00400	0.000246	mg/L	09.18.18 16:02		1
Barium	7440-39-3	**0.0429**	0.00400	0.000484	mg/L	09.18.18 16:02		1
Chromium	7440-47-3	**0.000783**	0.00400	0.000525	mg/L	09.18.18 16:02	J	1

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

Analyst: OJS % Moist: Tech: OJS

Seq Number: 3063019 Date Prep:

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	09.13.18 10:00	U	1

Certificate of Analytical Results
598921
ARCADIS, Midland, TX
Chevron N. Eunice

Sample Id: **MW052SA-W-180912** Matrix: Water Sample Depth:

Lab Sample Id: 598921-015 Date Collected: 09.12.18 13.09 Date Received: 09.12.18 19.00

Analytical Method: TDS by SM2540C Prep Method:

Analyst: OJS % Moist: Tech: OJS

Seq Number: 3063326 Date Prep:

Prep seq:

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Total Dissolved Solids	1642222	**3020**	5.00	5.00	mg/L	09.13.18 15:45		1

Analytical Method: Chloride by EPA 300 Prep Method: E300P

Analyst: SCM % Moist: Tech: SCM

Seq Number: 3063369 Date Prep: 09.13.18 15.00

Prep seq: 7662262

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Chloride	16887-00-6	**1400**	25.0	4.29	mg/L	09.14.18 18:43		50

Analytical Method: Dissolved Metals by SW6020A Prep Method: 3010A

Analyst: DEP % Moist: Tech: AHI

Seq Number: 3063648 Date Prep: 09.17.18 10.20

Subcontractor: SUB: TX104704215-18-27 Prep seq: 7662384

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Arsenic	7440-38-2	**0.0131**	0.00400	0.000246	mg/L	09.18.18 16:18		1
Barium	7440-39-3	**0.0233**	0.00400	0.000484	mg/L	09.18.18 16:18		1
Chromium	7440-47-3	**0.242**	0.00400	0.000525	mg/L	09.18.18 16:18		1

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

Analyst: OJS % Moist: Tech: OJS

Seq Number: 3063019 Date Prep:

Prep seq:

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Chromium, Hexavalent	18540-29-9	**0.222**	0.0100	0.00273	mg/L	09.13.18 10:00		1

Certificate of Analytical Results
598921
ARCADIS, Midland, TX
Chevron N. Eunice

Sample Id: **MW049SA-W-180912** Matrix: Water Sample Depth:

Lab Sample Id: 598921-016 Date Collected: 09.12.18 13.20 Date Received: 09.12.18 19.00

Analytical Method: TDS by SM2540C Prep Method:

Analyst: OJS % Moist: Tech: OJS

Seq Number: 3063326 Date Prep:

Prep seq:

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Total Dissolved Solids	1642222	**2960**	5.00	5.00	mg/L	09.13.18 15:45		1

Analytical Method: Chloride by EPA 300 Prep Method: E300P

Analyst: SCM % Moist: Tech: SCM

Seq Number: 3063369 Date Prep: 09.13.18 15.00

Prep seq: 7662262

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Chloride	16887-00-6	**1300**	25.0	4.29	mg/L	09.14.18 18:50		50

Analytical Method: Dissolved Metals by SW6020A Prep Method: 3010A

Analyst: DEP % Moist: Tech: AHI

Seq Number: 3063648 Date Prep: 09.17.18 10.20

Subcontractor: SUB: TX104704215-18-27 Prep seq: 7662384

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Arsenic	7440-38-2	**0.0116**	0.00400	0.000246	mg/L	09.18.18 16:21		1
Barium	7440-39-3	**0.0190**	0.00400	0.000484	mg/L	09.18.18 16:21		1
Chromium	7440-47-3	**0.188**	0.00400	0.000525	mg/L	09.18.18 16:21		1

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

Analyst: OJS % Moist: Tech: OJS

Seq Number: 3063019 Date Prep:

Prep seq:

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Chromium, Hexavalent	18540-29-9	**0.171**	0.0100	0.00273	mg/L	09.13.18 10:00		1

Certificate of Analytical Results
598921
ARCADIS, Midland, TX
Chevron N. Eunice

Sample Id: **MW048SA-W-180912** Matrix: Water Sample Depth:

Lab Sample Id: 598921-017 Date Collected: 09.12.18 13.32 Date Received: 09.12.18 19.00

Analytical Method: TDS by SM2540C Prep Method:

Analyst: OJS % Moist: Tech: OJS

Seq Number: 3063326 Date Prep:

Prep seq:

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Total Dissolved Solids	1642222	**1960**	5.00	5.00	mg/L	09.13.18 15:45		1

Analytical Method: Chloride by EPA 300 Prep Method: E300P

Analyst: SCM % Moist: Tech: SCM

Seq Number: 3063369 Date Prep: 09.13.18 15.00

Prep seq: 7662262

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Chloride	16887-00-6	**583**	10.0	1.72	mg/L	09.14.18 18:58		20

Analytical Method: Dissolved Metals by SW6020A Prep Method: 3010A

Analyst: DEP % Moist: Tech: AHI

Seq Number: 3063648 Date Prep: 09.17.18 10.20

Subcontractor: SUB: TX104704215-18-27 Prep seq: 7662384

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Arsenic	7440-38-2	**0.0119**	0.00400	0.000246	mg/L	09.18.18 16:24		1
Barium	7440-39-3	**0.0156**	0.00400	0.000484	mg/L	09.18.18 16:24		1
Chromium	7440-47-3	**0.453**	0.00400	0.000525	mg/L	09.18.18 16:24		1

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

Analyst: OJS % Moist: Tech: OJS

Seq Number: 3063019 Date Prep:

Prep seq:

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Chromium, Hexavalent	18540-29-9	**0.404**	0.0100	0.00273	mg/L	09.13.18 10:00		1

Certificate of Analytical Results
598921
ARCADIS, Midland, TX
Chevron N. Eunice

Sample Id: **MW041A-W-180912** Matrix: Water Sample Depth:

Lab Sample Id: 598921-018 Date Collected: 09.12.18 13.44 Date Received: 09.12.18 19.00

Analytical Method: TDS by SM2540C Prep Method:

Analyst: OJS % Moist: Tech: OJS

Seq Number: 3063326 Date Prep:

Prep seq:

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Total Dissolved Solids	1642222	**1600**	5.00	5.00	mg/L	09.13.18 15:45		1

Analytical Method: Chloride by EPA 300 Prep Method: E300P

Analyst: SCM % Moist: Tech: SCM

Seq Number: 3063374 Date Prep: 09.14.18 12.33

Prep seq: 7662274

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Chloride	16887-00-6	**403**	5.00	0.858	mg/L	09.15.18 00:47		10

Analytical Method: Dissolved Metals by SW6020A Prep Method: 3010A

Analyst: DEP % Moist: Tech: AHI

Seq Number: 3063648 Date Prep: 09.17.18 10.20

Subcontractor: SUB: TX104704215-18-27 Prep seq: 7662384

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Arsenic	7440-38-2	**0.0103**	0.00400	0.000246	mg/L	09.18.18 16:28		1
Barium	7440-39-3	**0.0241**	0.00400	0.000484	mg/L	09.18.18 16:28		1
Chromium	7440-47-3	**0.206**	0.00400	0.000525	mg/L	09.18.18 16:28		1

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

Analyst: OJS % Moist: Tech: OJS

Seq Number: 3063019 Date Prep:

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	09.13.18 10:00		1

Certificate of Analytical Results
598921
ARCADIS, Midland, TX
Chevron N. Eunice

Sample Id: **MW062A-W-180912** Matrix: Water Sample Depth:

Lab Sample Id: 598921-019 Date Collected: 09.12.18 14.03 Date Received: 09.12.18 19.00

Analytical Method: TDS by SM2540C Prep Method:

Analyst: OJS % Moist: Tech: OJS

Seq Number: 3063326 Date Prep:

Prep seq:

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Total Dissolved Solids	1642222	**497**	5.00	5.00	mg/L	09.13.18 15:45		1

Analytical Method: Chloride by EPA 300 Prep Method: E300P

Analyst: SCM % Moist: Tech: SCM

Seq Number: 3063374 Date Prep: 09.14.18 12.33

Prep seq: 7662274

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Chloride	16887-00-6	**57.9**	2.50	0.429	mg/L	09.15.18 00:55		5

Analytical Method: Dissolved Metals by SW6020A Prep Method: 3010A

Analyst: DEP % Moist: Tech: AHI

Seq Number: 3063648 Date Prep: 09.17.18 10.20

Subcontractor: SUB: TX104704215-18-27 Prep seq: 7662384

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Arsenic	7440-38-2	**0.0240**	0.00400	0.000246	mg/L	09.18.18 16:31		1
Barium	7440-39-3	**0.0347**	0.00400	0.000484	mg/L	09.18.18 16:31		1
Chromium	7440-47-3	**0.00213**	0.00400	0.000525	mg/L	09.18.18 16:31	J	1

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

Analyst: OJS % Moist: Tech: OJS

Seq Number: 3063019 Date Prep:

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	09.13.18 10:00	U	1

Certificate of Analytical Results
598921
ARCADIS, Midland, TX
Chevron N. Eunice

Sample Id: **MW063A-W-180912** Matrix: Water Sample Depth:

Lab Sample Id: 598921-020 Date Collected: 09.12.18 14.14 Date Received: 09.12.18 19.00

Analytical Method: TDS by SM2540C Prep Method:

Analyst: OJS % Moist: Tech: OJS

Seq Number: 3063326 Date Prep:

Prep seq:

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Total Dissolved Solids	1642222	**472**	5.00	5.00	mg/L	09.13.18 15:45		1

Analytical Method: Chloride by EPA 300 Prep Method: E300P

Analyst: SCM % Moist: Tech: SCM

Seq Number: 3063374 Date Prep: 09.14.18 12.33

Prep seq: 7662274

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Chloride	16887-00-6	**51.7**	2.50	0.429	mg/L	09.15.18 01:02		5

Analytical Method: Dissolved Metals by SW6020A Prep Method: 3010A

Analyst: DEP % Moist: Tech: AHI

Seq Number: 3063648 Date Prep: 09.17.18 10.20

Subcontractor: SUB: TX104704215-18-27 Prep seq: 7662384

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Arsenic	7440-38-2	**0.0233**	0.00400	0.000246	mg/L	09.18.18 16:34		1
Barium	7440-39-3	**0.0375**	0.00400	0.000484	mg/L	09.18.18 16:34		1
Chromium	7440-47-3	**0.00162**	0.00400	0.000525	mg/L	09.18.18 16:34	J	1

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

Analyst: OJS % Moist: Tech: OJS

Seq Number: 3063019 Date Prep:

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	09.13.18 10:00	U	1

Certificate of Analytical Results
598921
ARCADIS, Midland, TX
Chevron N. Eunice

Sample Id: **MW024A-W-180912** Matrix: Water Sample Depth:

Lab Sample Id: 598921-021 Date Collected: 09.12.18 14.43 Date Received: 09.12.18 19.00

Analytical Method: TDS by SM2540C Prep Method:

Analyst: OJS % Moist: Tech: OJS

Seq Number: 3063326 Date Prep:

Prep seq:

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Total Dissolved Solids	1642222	**2420**	5.00	5.00	mg/L	09.13.18 15:45		1

Analytical Method: Chloride by EPA 300 Prep Method: E300P

Analyst: SCM % Moist: Tech: SCM

Seq Number: 3063374 Date Prep: 09.14.18 12.33

Prep seq: 7662274

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Chloride	16887-00-6	**901**	10.0	1.72	mg/L	09.15.18 01:10		20

Analytical Method: Dissolved Metals by SW6020A Prep Method: 3010A

Analyst: DEP % Moist: Tech: AHI

Seq Number: 3063648 Date Prep: 09.17.18 10.20

Subcontractor: SUB: TX104704215-18-27 Prep seq: 7662384

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Arsenic	7440-38-2	**0.0125**	0.00400	0.000246	mg/L	09.18.18 16:37		1
Barium	7440-39-3	**0.0359**	0.00400	0.000484	mg/L	09.18.18 16:37		1
Chromium	7440-47-3	**0.579**	0.00400	0.000525	mg/L	09.18.18 16:37		1

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

Analyst: OJS % Moist: Tech: OJS

Seq Number: 3063022 Date Prep:

Prep seq:

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Chromium, Hexavalent	18540-29-9	**0.477**	0.0500	0.0136	mg/L	09.13.18 11:15		5

Certificate of Analytical Results
598921
ARCADIS, Midland, TX
Chevron N. Eunice

Sample Id: **MW070A-W-180912** Matrix: Water Sample Depth:

Lab Sample Id: 598921-022 Date Collected: 09.12.18 15.02 Date Received: 09.12.18 19.00

Analytical Method: TDS by SM2540C Prep Method:

Analyst: OJS % Moist: Tech: OJS

Seq Number: 3063326 Date Prep:

Prep seq:

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Total Dissolved Solids	1642222	**1120**	5.00	5.00	mg/L	09.13.18 15:45		1

Analytical Method: Chloride by EPA 300 Prep Method: E300P

Analyst: SCM % Moist: Tech: SCM

Seq Number: 3063374 Date Prep: 09.14.18 12.33

Prep seq: 7662274

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Chloride	16887-00-6	**387**	5.00	0.858	mg/L	09.15.18 01:39		10

Analytical Method: Dissolved Metals by SW6020A Prep Method: 3010A

Analyst: DEP % Moist: Tech: AHI

Seq Number: 3063675 Date Prep: 09.18.18 09.00

Subcontractor: SUB: TX104704215-18-27 Prep seq: 7662476

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Arsenic	7440-38-2	**0.0145**	0.00400	0.000246	mg/L	09.18.18 20:02		1
Barium	7440-39-3	**0.0982**	0.00400	0.000484	mg/L	09.18.18 20:02		1
Chromium	7440-47-3	**0.000838**	0.00400	0.000525	mg/L	09.18.18 20:02	J	1

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

Analyst: OJS % Moist: Tech: OJS

Seq Number: 3063022 Date Prep:

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	09.13.18 11:15	U	1

Certificate of Analytical Results
598921
ARCADIS, Midland, TX
Chevron N. Eunice

Sample Id: **Dup02-W-180912** Matrix: Water Sample Depth:

Lab Sample Id: 598921-023 Date Collected: 09.12.18 00.00 Date Received: 09.12.18 19.00

Analytical Method: TDS by SM2540C Prep Method:

Analyst: OJS % Moist: Tech: OJS

Seq Number: 3063326 Date Prep:

Prep seq:

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Total Dissolved Solids	1642222	**2310**	5.00	5.00	mg/L	09.13.18 15:45		1

Analytical Method: Chloride by EPA 300 Prep Method: E300P

Analyst: SCM % Moist: Tech: SCM

Seq Number: 3063374 Date Prep: 09.14.18 12.33

Prep seq: 7662274

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Chloride	16887-00-6	**894**	10.0	1.72	mg/L	09.15.18 01:47		20

Analytical Method: Dissolved Metals by SW6020A Prep Method: 3010A

Analyst: DEP % Moist: Tech: AHI

Seq Number: 3063675 Date Prep: 09.18.18 09.00

Subcontractor: SUB: TX104704215-18-27 Prep seq: 7662476

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Arsenic	7440-38-2	**0.0126**	0.00400	0.000246	mg/L	09.19.18 15:34		1
Barium	7440-39-3	**0.0386**	0.00400	0.000484	mg/L	09.19.18 15:34		1
Chromium	7440-47-3	**0.547**	0.00400	0.000525	mg/L	09.19.18 15:34		1

Sample Id: **Dup02-W-180912** Matrix: Water Sample Depth:

Lab Sample Id: 598921-023 Date Collected: 09.12.18 00.00 Date Received: 09.12.18 19.00

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

Analyst: OJS % Moist: Tech: OJS

Seq Number: 3063022 Date Prep:

Prep seq:

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Chromium, Hexavalent	18540-29-9	**0.520**	0.0500	0.0136	mg/L	09.13.18 11:15	K	5

Certificate of Analytical Results
598921
ARCADIS, Midland, TX
Chevron N. Eunice

Sample Id: **MW057SA-W-180912** Matrix: Water Sample Depth:

Lab Sample Id: 598921-024 Date Collected: 09.12.18 11.35 Date Received: 09.12.18 19.00

Analytical Method: TDS by SM2540C Prep Method:

Analyst: OJS % Moist: Tech: OJS

Seq Number: 3063326 Date Prep:

Prep seq:

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Total Dissolved Solids	1642222	**1450**	5.00	5.00	mg/L	09.13.18 15:45		1

Analytical Method: Chloride by EPA 300 Prep Method: E300P

Analyst: SCM % Moist: Tech: SCM

Seq Number: 3063374 Date Prep: 09.14.18 12.33

Prep seq: 7662274

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Chloride	16887-00-6	**346**	5.00	0.858	mg/L	09.15.18 01:54		10

Analytical Method: Dissolved Metals by SW6020A Prep Method: 3010A

Analyst: DEP % Moist: Tech: AHI

Seq Number: 3063675 Date Prep: 09.18.18 09.00

Subcontractor: SUB: TX104704215-18-27 Prep seq: 7662476

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Arsenic	7440-38-2	**0.0127**	0.00400	0.000246	mg/L	09.19.18 15:37		1
Barium	7440-39-3	**0.0784**	0.00400	0.000484	mg/L	09.19.18 15:37		1
Chromium	7440-47-3	**0.0387**	0.00400	0.000525	mg/L	09.19.18 15:37		1

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

Analyst: OJS % Moist: Tech: OJS

Seq Number: 3063022 Date Prep:

Prep seq:

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Chromium, Hexavalent	18540-29-9	**0.0276**	0.0100	0.00273	mg/L	09.13.18 11:15		1

Certificate of Analytical Results

598921

ARCADIS, Midland, TX

Chevron N. Eunice

Sample Id: **3063018-1-BLK** Matrix: Water Sample Depth:

Lab Sample Id: 3063018-1-BLK Date Collected: Date Received:

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

Analyst: OJS % Moist: Tech: OJS

Seq Number: 3063018 Date Prep:

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	09.13.18 08:05	U	1

Sample Id: **3063019-1-BLK** Matrix: Water Sample Depth:

Lab Sample Id: 3063019-1-BLK Date Collected: Date Received:

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

Analyst: OJS % Moist: Tech: OJS

Seq Number: 3063019 Date Prep:

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	09.13.18 10:00	U	1

Sample Id: **3063022-1-BLK** Matrix: Water Sample Depth:

Lab Sample Id: 3063022-1-BLK Date Collected: Date Received:

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

Analyst: OJS % Moist: Tech: OJS

Seq Number: 3063022 Date Prep:

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	09.13.18 11:15	U	1

Sample Id: **3063197-1-BLK** Matrix: Water Sample Depth:

Lab Sample Id: 3063197-1-BLK Date Collected: Date Received:

Analytical Method: TDS by SM2540C Prep Method:

Analyst: OJS % Moist: Tech: OJS

Seq Number: 3063197 Date Prep:

Prep seq:

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Total Dissolved Solids	1642222	<5.00	5.00	5.00	mg/L	09.12.18 17:10	U	1

Certificate of Analytical Results
598921
ARCADIS, Midland, TX
Chevron N. Eunice

Sample Id: **3063326-1-BLK** Matrix: Water Sample Depth:
Lab Sample Id: 3063326-1-BLK Date Collected: Date Received:
Analytical Method: TDS by SM2540C Prep Method:
Analyst: OJS % Moist: Tech: OJS
Seq Number: 3063326 Date Prep:
Prep seq:

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Total Dissolved Solids	1642222	<5.00	5.00	5.00	mg/L	09.13.18 15:45	U	1

Sample Id: **7662262-1-BLK** Matrix: Water Sample Depth:
Lab Sample Id: 7662262-1-BLK Date Collected: Date Received:
Analytical Method: Chloride by EPA 300 Prep Method: E300P
Analyst: SCM % Moist: Tech: SCM
Seq Number: 3063369 Date Prep: 09.13.18 15.00
Prep seq: 7662262

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Chloride	16887-00-6	<0.0858	0.500	0.0858	mg/L	09.14.18 03:10	U	1
Nitrate as N	14797-55-8	<0.0157	0.100	0.0157	mg/L	09.14.18 03:10	U	1
Nitrite as N	14797-65-0	<0.0159	0.100	0.0159	mg/L	09.14.18 03:10	U	1

Sample Id: **7662274-1-BLK** Matrix: Water Sample Depth:
Lab Sample Id: 7662274-1-BLK Date Collected: Date Received:
Analytical Method: Chloride by EPA 300 Prep Method: E300P
Analyst: SCM % Moist: Tech: SCM
Seq Number: 3063374 Date Prep: 09.14.18 12.33
Prep seq: 7662274

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Chloride	16887-00-6	<0.0858	0.500	0.0858	mg/L	09.14.18 23:40	U	1

Certificate of Analytical Results
598921
ARCADIS, Midland, TX
Chevron N. Eunice

Sample Id: **7662348-1-BLK** Matrix: Water Sample Depth:

Lab Sample Id: 7662348-1-BLK Date Collected: Date Received:

Analytical Method: Dissolved Metals by SW6020A Prep Method: 3010A

Analyst: DEP % Moist: Tech: MLI

Seq Number: 3063327 Date Prep: 09.15.18 11.05

Subcontractor: SUB: TX104704215-18-27 Prep seq: 7662348

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Arsenic	7440-38-2	<0.000246	0.00400	0.000246	mg/L	09.16.18 23:09	U	1
Barium	7440-39-3	<0.000484	0.00400	0.000484	mg/L	09.16.18 23:09	U	1
Chromium	7440-47-3	<0.000525	0.00400	0.000525	mg/L	09.16.18 23:09	U	1

Sample Id: **7662384-1-BLK** Matrix: Water Sample Depth:

Lab Sample Id: 7662384-1-BLK Date Collected: Date Received:

Analytical Method: Dissolved Metals by SW6020A Prep Method: 3010A

Analyst: DEP % Moist: Tech: AHI

Seq Number: 3063648 Date Prep: 09.17.18 10.20

Subcontractor: SUB: TX104704215-18-27 Prep seq: 7662384

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Arsenic	7440-38-2	<0.000246	0.00400	0.000246	mg/L	09.18.18 13:48	U	1
Barium	7440-39-3	<0.000484	0.00400	0.000484	mg/L	09.18.18 13:48	U	1
Chromium	7440-47-3	<0.000525	0.00400	0.000525	mg/L	09.18.18 13:48	U	1

Sample Id: **7662476-1-BLK** Matrix: Water Sample Depth:

Lab Sample Id: 7662476-1-BLK Date Collected: Date Received:

Analytical Method: Dissolved Metals by SW6020A Prep Method: 3010A

Analyst: DEP % Moist: Tech: AHI

Seq Number: 3063675 Date Prep: 09.18.18 09.00

Subcontractor: SUB: TX104704215-18-27 Prep seq: 7662476

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Arsenic	7440-38-2	<0.000246	0.00400	0.000246	mg/L	09.18.18 19:52	U	1
Barium	7440-39-3	<0.000484	0.00400	0.000484	mg/L	09.18.18 19:52	U	1
Chromium	7440-47-3	<0.000525	0.00400	0.000525	mg/L	09.18.18 19:52	U	1

XENCO LABORATORIES

CHRONOLOGY OF HOLDING TIMES

Analytical Method : Chloride by EPA 300
Work Order #: **598921**
Date Received: 09/12/18

Client : ARCADIS
Project ID: B0048789.0004

Field Sample ID	Lab Sample ID	Date Collected	Date Extracted	Max Holding Time Extracted (Days)	Time Held Extracted (Days)	Date Analyzed	Max Holding Time Analyzed (Days)	Time Held Analyzed (Days)	Q
MW071SA-W-180912	598921-001	09/12/18				09/14/18	28	2	P
MW074SA-W-180912	598921-002	09/12/18				09/14/18	28	2	P
MW056SA-W-180912	598921-003	09/12/18				09/14/18	28	2	P
MW055SA-W-180912	598921-004	09/12/18				09/14/18	28	2	P
MW066SA-W-180912	598921-005	09/12/18				09/14/18	28	2	P
MW073SA-W-180912	598921-006	09/12/18				09/14/18	28	2	P
MW072SA-W-180912	598921-007	09/12/18				09/14/18	28	2	P
MW021SA-W-180912	598921-008	09/12/18				09/14/18	28	2	P
MW050SA-W-180912	598921-009	09/12/18				09/14/18	28	2	P
MW051SA-W-180912	598921-010	09/12/18				09/14/18	28	2	P
MW079SA-W-180912	598921-011	09/12/18				09/14/18	28	2	P
MW054SA-W-180912	598921-012	09/12/18				09/14/18	28	2	P
DUP04-W-180912	598921-013	09/12/18				09/14/18	28	2	P
DUP05-W-180912	598921-014	09/12/18				09/14/18	28	2	P
MW052SA-W-180912	598921-015	09/12/18				09/14/18	28	2	P
MW049SA-W-180912	598921-016	09/12/18				09/14/18	28	2	P
MW048SA-W-180912	598921-017	09/12/18				09/14/18	28	2	P
MW041A-W-180912	598921-018	09/12/18				09/15/18	28	3	P
MW062A-W-180912	598921-019	09/12/18				09/15/18	28	3	P
MW063A-W-180912	598921-020	09/12/18				09/15/18	28	3	P
MW024A-W-180912	598921-021	09/12/18				09/15/18	28	3	P
MW070A-W-180912	598921-022	09/12/18				09/15/18	28	3	P
Dup02-W-180912	598921-023	09/12/18				09/15/18	28	3	P
MW057SA-W-180912	598921-024	09/12/18				09/15/18	28	3	P

XENCO LABORATORIES

CHRONOLOGY OF HOLDING TIMES

Analytical Method : TDS by SM2540C
Work Order #: **598921**
Date Received: 09/12/18

Client : ARCADIS
Project ID: B0048789.0004

Field Sample ID	Lab Sample ID	Date Collected	Date Extracted	Max Holding Time Extracted (Days)	Time Held Extracted (Days)	Date Analyzed	Max Holding Time Analyzed (Days)	Time Held Analyzed (Days)	Q
MW071SA-W-180912	598921-001	09/12/18				09/13/18	7	1	P
MW074SA-W-180912	598921-002	09/12/18				09/13/18	7	1	P
MW056SA-W-180912	598921-003	09/12/18				09/13/18	7	1	P
MW055SA-W-180912	598921-004	09/12/18				09/13/18	7	1	P
MW066SA-W-180912	598921-005	09/12/18				09/13/18	7	1	P
MW073SA-W-180912	598921-006	09/12/18				09/13/18	7	1	P
MW072SA-W-180912	598921-007	09/12/18				09/13/18	7	1	P
MW021SA-W-180912	598921-008	09/12/18				09/13/18	7	1	P
MW050SA-W-180912	598921-009	09/12/18				09/13/18	7	1	P
MW051SA-W-180912	598921-010	09/12/18				09/13/18	7	1	P
MW079SA-W-180912	598921-011	09/12/18				09/13/18	7	1	P
MW054SA-W-180912	598921-012	09/12/18				09/13/18	7	1	P
DUP04-W-180912	598921-013	09/12/18				09/13/18	7	1	P
DUP05-W-180912	598921-014	09/12/18				09/13/18	7	1	P
MW052SA-W-180912	598921-015	09/12/18				09/13/18	7	1	P
MW049SA-W-180912	598921-016	09/12/18				09/13/18	7	1	P
MW048SA-W-180912	598921-017	09/12/18				09/13/18	7	1	P
MW041A-W-180912	598921-018	09/12/18				09/13/18	7	1	P
MW062A-W-180912	598921-019	09/12/18				09/13/18	7	1	P
MW063A-W-180912	598921-020	09/12/18				09/13/18	7	1	P
MW024A-W-180912	598921-021	09/12/18				09/13/18	7	1	P
MW070A-W-180912	598921-022	09/12/18				09/13/18	7	1	P
Dup02-W-180912	598921-023	09/12/18				09/13/18	7	1	P
MW057SA-W-180912	598921-024	09/12/18				09/13/18	7	1	P

CHRONOLOGY OF HOLDING TIMES

Analytical Method : Dissolved Metals by SW6020A
Client : ARCADIS
Work Order #: **598921**
Project ID: B0048789.0004
Date Received: 09/12/18

Field Sample ID	Lab Sample ID	Date Collected	Date Extracted	Max Holding Time Extracted (Days)	Time Held Extracted (Days)	Date Analyzed	Max Holding Time Analyzed (Days)	Time Held Analyzed (Days)	Q
MW071SA-W-180912	598921-001	09/12/18	09/15/18	180	3	09/17/18	180	2	P
MW074SA-W-180912	598921-002	09/12/18	09/15/18	180	3	09/17/18	180	2	P
MW056SA-W-180912	598921-003	09/12/18	09/15/18	180	3	09/17/18	180	2	P
MW055SA-W-180912	598921-004	09/12/18	09/15/18	180	3	09/17/18	180	2	P
MW066SA-W-180912	598921-005	09/12/18	09/15/18	180	3	09/17/18	180	2	P
MW073SA-W-180912	598921-006	09/12/18	09/17/18	180	5	09/18/18	180	1	P
MW072SA-W-180912	598921-007	09/12/18	09/17/18	180	5	09/18/18	180	1	P
MW021SA-W-180912	598921-008	09/12/18	09/17/18	180	5	09/18/18	180	1	P
MW050SA-W-180912	598921-009	09/12/18	09/17/18	180	5	09/18/18	180	1	P
MW051SA-W-180912	598921-010	09/12/18	09/17/18	180	5	09/18/18	180	1	P
MW079SA-W-180912	598921-011	09/12/18	09/17/18	180	5	09/18/18	180	1	P
MW054SA-W-180912	598921-012	09/12/18	09/17/18	180	5	09/18/18	180	1	P
DUP04-W-180912	598921-013	09/12/18	09/17/18	180	5	09/18/18	180	1	P
DUP05-W-180912	598921-014	09/12/18	09/17/18	180	5	09/18/18	180	1	P
MW052SA-W-180912	598921-015	09/12/18	09/17/18	180	5	09/18/18	180	1	P
MW049SA-W-180912	598921-016	09/12/18	09/17/18	180	5	09/18/18	180	1	P
MW048SA-W-180912	598921-017	09/12/18	09/17/18	180	5	09/18/18	180	1	P
MW041A-W-180912	598921-018	09/12/18	09/17/18	180	5	09/18/18	180	1	P
MW062A-W-180912	598921-019	09/12/18	09/17/18	180	5	09/18/18	180	1	P
MW063A-W-180912	598921-020	09/12/18	09/17/18	180	5	09/18/18	180	1	P
MW024A-W-180912	598921-021	09/12/18	09/17/18	180	5	09/18/18	180	1	P
MW070A-W-180912	598921-022	09/12/18	09/18/18	180	6	09/18/18	180	0	P
Dup02-W-180912	598921-023	09/12/18	09/18/18	180	6	09/19/18	180	1	P
MW057SA-W-180912	598921-024	09/12/18	09/18/18	180	6	09/19/18	180	1	P

XENCO LABORATORIES

CHRONOLOGY OF HOLDING TIMES

Analytical Method : Chromium, Hexavalent by SW 7196A
Client : ARCADIS
Work Order #: **598921**
Project ID: B0048789.0004
Date Received: 09/12/18

Field Sample ID	Lab Sample ID	Date Collected	Date Extracted	Max Holding Time Extracted (Hour)	Time Held Extracted (Hour)	Date Analyzed	Max Holding Time Analyzed (Hour)	Time Held Analyzed (Hour)	Q
MW071SA-W-180912	598921-001	09/12/18				09/13/18	24	23	P
MW074SA-W-180912	598921-002	09/12/18				09/13/18	24	23	P
MW056SA-W-180912	598921-003	09/12/18				09/13/18	24	22	P
MW055SA-W-180912	598921-004	09/12/18				09/13/18	24	22	P
MW066SA-W-180912	598921-005	09/12/18				09/13/18	24	22	P
MW073SA-W-180912	598921-006	09/12/18				09/13/18	24	22	P
MW072SA-W-180912	598921-007	09/12/18				09/13/18	24	21	P
MW021SA-W-180912	598921-008	09/12/18				09/13/18	24	20	P
MW050SA-W-180912	598921-009	09/12/18				09/13/18	24	20	P
MW051SA-W-180912	598921-010	09/12/18				09/13/18	24	20	P
MW079SA-W-180912	598921-011	09/12/18				09/13/18	24	22	P
MW054SA-W-180912	598921-012	09/12/18				09/13/18	24	21	P
DUP04-W-180912	598921-013	09/12/18				09/13/18	24	1	P
DUP05-W-180912	598921-014	09/12/18				09/13/18	24	1	P
MW052SA-W-180912	598921-015	09/12/18				09/13/18	24	21	P
MW049SA-W-180912	598921-016	09/12/18				09/13/18	24	21	P
MW048SA-W-180912	598921-017	09/12/18				09/13/18	24	20	P
MW041A-W-180912	598921-018	09/12/18				09/13/18	24	20	P
MW062A-W-180912	598921-019	09/12/18				09/13/18	24	20	P
MW063A-W-180912	598921-020	09/12/18				09/13/18	24	20	P
MW024A-W-180912	598921-021	09/12/18				09/13/18	24	21	P
MW070A-W-180912	598921-022	09/12/18				09/13/18	24	20	P
Dup02-W-180912	598921-023	09/12/18				09/13/18	24	1	P
MW057SA-W-180912	598921-024	09/12/18				09/13/18	24	24	P

F = These samples were analyzed outside the recommended holding time.
P = Samples analyzed within the recommended holding time.

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.

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

Analytical Log

Analytical Method:	Chromium, Hexavalent by SW 7196A	Batch #:	3063018
Project Name:	Chevron N. Eunice	Project ID:	B0048789.0004
Client Name:	ARCADIS	WO Number:	598921

Client Sample Id	Lab Sample Id	QC Types
MW021SA-W-180912	598921-008	SMP
MW050SA-W-180912	598921-009	SMP
MW051SA-W-180912	598921-010	SMP
MW055SA-W-180912	598921-004	SMP
MW056SA-W-180912	598921-003	SMP
MW066SA-W-180912	598921-005	SMP
MW071SA-W-180912	598921-001	SMP
MW072SA-W-180912	598921-007	SMP
MW073SA-W-180912	598921-006	SMP
MW074SA-W-180912	598921-002	SMP
	3063018-1-BKS	BKS
	3063018-1-BLK	BLK
	3063018-1-BSD	BSD
	598921-001 S	MS
	598921-001 SD	MSD

Analytical Log

Analytical Method:	Chromium, Hexavalent by SW 7196A	Batch #:	3063019
Project Name:	Chevron N. Eunice	Project ID:	B0048789.0004
Client Name:	ARCADIS	WO Number:	598921

Client Sample Id	Lab Sample Id	QC Types
DUP04-W-180912	598921-013	SMP
DUP05-W-180912	598921-014	SMP
MW041A-W-180912	598921-018	SMP
MW048SA-W-180912	598921-017	SMP
MW049SA-W-180912	598921-016	SMP
MW052SA-W-180912	598921-015	SMP
MW054SA-W-180912	598921-012	SMP
MW062A-W-180912	598921-019	SMP
MW063A-W-180912	598921-020	SMP
MW079SA-W-180912	598921-011	SMP
	3063019-1-BKS	BKS
	3063019-1-BLK	BLK
	3063019-1-BSD	BSD
	598921-011 S	MS
	598921-011 SD	MSD

Analytical Log

Analytical Method:	Chromium, Hexavalent by SW 7196A	Batch #:	3063022
Project Name:	Chevron N. Eunice	Project ID:	B0048789.0004
Client Name:	ARCADIS	WO Number:	598921

Client Sample Id	Lab Sample Id	QC Types
Dup02-W-180912	598921-023	SMP
MW024A-W-180912	598921-021	SMP
MW057SA-W-180912	598921-024	SMP
MW070A-W-180912	598921-022	SMP
	3063022-1-BKS	BKS
	3063022-1-BLK	BLK
	3063022-1-BSD	BSD
	598921-022 S	MS
	598921-022 SD	MSD

Analytical Log

Analytical Method:	TDS by SM2540C	Batch #:	3063197
Project Name:	Chevron N. Eunice	Project ID:	B0048789.0004
Client Name:	ARCADIS	WO Number:	598921

Client Sample Id	Lab Sample Id	QC Types
MW055SA-W-180912	598921-004	SMP
MW056SA-W-180912	598921-003	SMP
MW066SA-W-180912	598921-005	SMP
MW071SA-W-180912	598921-001	SMP
MW073SA-W-180912	598921-006	SMP
MW074SA-W-180912	598921-002	SMP
	3063197-1-BKS	BKS
	3063197-1-BLK	BLK
	3063197-1-BSD	BSD
	598697-001 D	MD
	598697-014 D	MD

Analytical Log

Analytical Method:	TDS by SM2540C	Batch #:	3063326
Project Name:	Chevron N. Eunice	Project ID:	B0048789.0004
Client Name:	ARCADIS	WO Number:	598921

Client Sample Id	Lab Sample Id	QC Types
DUP04-W-180912	598921-013	SMP
DUP05-W-180912	598921-014	SMP
Dup02-W-180912	598921-023	SMP
MW021SA-W-180912	598921-008	SMP
MW024A-W-180912	598921-021	SMP
MW041A-W-180912	598921-018	SMP
MW048SA-W-180912	598921-017	SMP
MW049SA-W-180912	598921-016	SMP
MW050SA-W-180912	598921-009	SMP
MW051SA-W-180912	598921-010	SMP
MW052SA-W-180912	598921-015	SMP
MW054SA-W-180912	598921-012	SMP
MW057SA-W-180912	598921-024	SMP
MW062A-W-180912	598921-019	SMP
MW063A-W-180912	598921-020	SMP
MW070A-W-180912	598921-022	SMP
MW072SA-W-180912	598921-007	SMP
MW079SA-W-180912	598921-011	SMP
	3063326-1-BKS	BKS
	3063326-1-BLK	BLK
	3063326-1-BSD	BSD
	598921-007 D	MD
	598921-024 D	MD

Analytical Log

Analytical Method:	Dissolved Metals by SW6020A	Batch #:	3063327
Project Name:	Chevron N. Eunice	Project ID:	B0048789.0004
Client Name:	ARCADIS	WO Number:	598921

Client Sample Id	Lab Sample Id	QC Types
MW055SA-W-180912	598921-004	SMP
MW056SA-W-180912	598921-003	SMP
MW066SA-W-180912	598921-005	SMP
MW071SA-W-180912	598921-001	SMP
MW074SA-W-180912	598921-002	SMP
	598697-001 S	MS
	598697-001 SD	MSD
	7662348-1-BKS	BKS
	7662348-1-BLK	BLK
	7662348-1-BSD	BSD

Analytical Log

Analytical Method:	Chloride by EPA 300	Batch #:	3063369
Project Name:	Chevron N. Eunice	Project ID:	B0048789.0004
Client Name:	ARCADIS	WO Number:	598921

Client Sample Id	Lab Sample Id	QC Types
DUP04-W-180912	598921-013	SMP
DUP05-W-180912	598921-014	SMP
MW021SA-W-180912	598921-008	SMP
MW048SA-W-180912	598921-017	SMP
MW049SA-W-180912	598921-016	SMP
MW050SA-W-180912	598921-009	SMP
MW051SA-W-180912	598921-010	SMP
MW052SA-W-180912	598921-015	SMP
MW054SA-W-180912	598921-012	SMP
MW055SA-W-180912	598921-004	SMP
MW056SA-W-180912	598921-003	SMP
MW066SA-W-180912	598921-005	SMP
MW071SA-W-180912	598921-001	SMP
MW072SA-W-180912	598921-007	SMP
MW073SA-W-180912	598921-006	SMP
MW074SA-W-180912	598921-002	SMP
MW079SA-W-180912	598921-011	SMP
	598918-001 S	MS
	598918-001 SD	MSD
	598920-001 S	MS
	598920-001 SD	MSD
	7662262-1-BKS	BKS
	7662262-1-BLK	BLK
	7662262-1-BSD	BSD

Analytical Log

Analytical Method:	Chloride by EPA 300	Batch #:	3063374
Project Name:	Chevron N. Eunice	Project ID:	B0048789.0004
Client Name:	ARCADIS	WO Number:	598921

Client Sample Id	Lab Sample Id	QC Types
Dup02-W-180912	598921-023	SMP
MW024A-W-180912	598921-021	SMP
MW041A-W-180912	598921-018	SMP
MW057SA-W-180912	598921-024	SMP
MW062A-W-180912	598921-019	SMP
MW063A-W-180912	598921-020	SMP
MW070A-W-180912	598921-022	SMP
	599041-001 S	MS
	599041-001 SD	MSD
	599042-001 S	MS
	599042-001 SD	MSD
	7662274-1-BKS	BKS
	7662274-1-BLK	BLK
	7662274-1-BSD	BSD

Analytical Log

Analytical Method:	Dissolved Metals by SW6020A	Batch #:	3063648
Project Name:	Chevron N. Eunice	Project ID:	B0048789.0004
Client Name:	ARCADIS	WO Number:	598921

Client Sample Id	Lab Sample Id	QC Types
DUP04-W-180912	598921-013	SMP
DUP05-W-180912	598921-014	SMP
MW021SA-W-180912	598921-008	SMP
MW024A-W-180912	598921-021	SMP
MW041A-W-180912	598921-018	SMP
MW048SA-W-180912	598921-017	SMP
MW049SA-W-180912	598921-016	SMP
MW050SA-W-180912	598921-009	SMP
MW051SA-W-180912	598921-010	SMP
MW052SA-W-180912	598921-015	SMP
MW054SA-W-180912	598921-012	SMP
MW062A-W-180912	598921-019	SMP
MW063A-W-180912	598921-020	SMP
MW072SA-W-180912	598921-007	SMP
MW073SA-W-180912	598921-006	SMP
MW079SA-W-180912	598921-011	SMP
	598788-014 S	MS
	598788-014 SD	MSD
	7662384-1-BKS	BKS
	7662384-1-BLK	BLK
	7662384-1-BSD	BSD

Analytical Log

Analytical Method:	Dissolved Metals by SW6020A	Batch #:	3063675
Project Name:	Chevron N. Eunice	Project ID:	B0048789.0004
Client Name:	ARCADIS	WO Number:	598921

Client Sample Id	Lab Sample Id	QC Types
Dup02-W-180912	598921-023	SMP
MW057SA-W-180912	598921-024	SMP
MW070A-W-180912	598921-022	SMP
	598921-022 S	MS
	598921-022 SD	MSD
	598921-022 SDL	SDL
	7662476-1-BKS	BKS
	7662476-1-BLK	BLK
	7662476-1-BSD	BSD

BS / BSD Recoveries

Project Name: Chevron N. Eunice

Work Order #: 598921 **Project ID:** B0048789.0004

Analyst: SCM **Date Prepared:** 09/13/2018 **Date Analyzed:** 09/14/2018

Lab Batch ID: 3063369 **Sample:** 7662262-1-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	<0.0858	25.0	27.0	108	25.0	27.0	108	0	90-110	20	

Analyst: SCM **Date Prepared:** 09/14/2018 **Date Analyzed:** 09/14/2018

Lab Batch ID: 3063374 **Sample:** 7662274-1-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	<0.0858	25.0	26.8	107	25.0	26.8	107	0	90-110	20	

Analyst: OJS **Date Prepared:** 09/13/2018 **Date Analyzed:** 09/13/2018

Lab Batch ID: 3063018 **Sample:** 3063018-1-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	0.0396	99	0.0400	0.0397	99	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

BS / BSD Recoveries

Project Name: Chevron N. Eunice

Work Order #: 598921 **Project ID:** B0048789.0004

Analyst: OJS **Date Prepared:** 09/13/2018 **Date Analyzed:** 09/13/2018

Lab Batch ID: 3063019 **Sample:** 3063019-1-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	0.0396	99	0.0400	0.0397	99	0	85-115	20	

Analyst: OJS **Date Prepared:** 09/13/2018 **Date Analyzed:** 09/13/2018

Lab Batch ID: 3063022 **Sample:** 3063022-1-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	0.0396	99	0.0400	0.0397	99	0	85-115	20	

Analyst: DEP **Date Prepared:** 09/15/2018 **Date Analyzed:** 09/16/2018

Lab Batch ID: 3063327 **Sample:** 7662348-1-BKS **Batch #:** 1 **Matrix:** Water

Units: mg/L

BLANK /BLANK SPIKE / BLANK SPIKE DUPLICATE RECOVERY STUDY

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	0.101	101	0	80-120	20	
Barium	<0.000484	0.100	0.100	100	0.100	0.101	101	1	80-120	20	
Chromium	<0.000525	0.100	0.0999	100	0.100	0.0980	98	2	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

BS / BSD Recoveries

Project Name: Chevron N. Eunice

Work Order #: 598921 **Project ID:** B0048789.0004

Analyst: DEP **Date Prepared:** 09/17/2018 **Date Analyzed:** 09/18/2018

Lab Batch ID: 3063648 **Sample:** 7662384-1-BKS **Batch #:** 1 **Matrix:** Water

Units: mg/L

BLANK /BLANK SPIKE / BLANK SPIKE DUPLICATE RECOVERY STUDY

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	0.102	102	2	80-120	20	
Barium	<0.000484	0.100	0.100	100	0.100	0.0993	99	1	80-120	20	
Chromium	<0.000525	0.100	0.101	101	0.100	0.0997	100	1	80-120	20	

Analyst: DEP **Date Prepared:** 09/18/2018 **Date Analyzed:** 09/18/2018

Lab Batch ID: 3063675 **Sample:** 7662476-1-BKS **Batch #:** 1 **Matrix:** Water

Units: mg/L

BLANK /BLANK SPIKE / BLANK SPIKE DUPLICATE RECOVERY STUDY

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	0.0983	98	0.100	0.0957	96	3	80-120	20	
Barium	<0.000484	0.100	0.0958	96	0.100	0.0976	98	2	80-120	20	
Chromium	<0.000525	0.100	0.0958	96	0.100	0.0977	98	2	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

BS / BSD Recoveries

Project Name: Chevron N. Eunice

Work Order #: 598921 **Project ID:** B0048789.0004

Analyst: OJS **Date Prepared:** 09/12/2018 **Date Analyzed:** 09/12/2018

Lab Batch ID: 3063197 **Sample:** 3063197-1-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	<5.00	1000	985	99	1000	954	95	3	80-120	10	

Analyst: OJS **Date Prepared:** 09/13/2018 **Date Analyzed:** 09/13/2018

Lab Batch ID: 3063326 **Sample:** 3063326-1-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	<5.00	1000	933	93	1000	939	94	1	80-120	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

Form 3 - MS / MSD Recoveries

Project Name: Chevron N. Eunice

Work Order # : 598921 **Project ID:** B0048789.0004

Lab Batch ID: 3063369 **QC- Sample ID:** 598918-001 S **Batch #:** 1 **Matrix:** Drinking Water

Date Analyzed: 09/14/2018 **Date Prepared:** 09/13/2018 **Analyst:** SCM

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	5.17	25.0	32.5	109	25.0	32.4	109	0	90-110	20	

Lab Batch ID: 3063369 **QC- Sample ID:** 598920-001 S **Batch #:** 1 **Matrix:** Drinking Water

Date Analyzed: 09/14/2018 **Date Prepared:** 09/13/2018 **Analyst:** SCM

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	35.6	25.0	60.9	101	25.0	60.8	101	0	90-110	20	

Lab Batch ID: 3063374 **QC- Sample ID:** 599041-001 S **Batch #:** 1 **Matrix:** Drinking Water

Date Analyzed: 09/15/2018 **Date Prepared:** 09/14/2018 **Analyst:** SCM

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	6.33	25.0	33.5	109	25.0	33.7	109	1	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.

Form 3 - MS / MSD Recoveries

Project Name: Chevron N. Eunice

Work Order # : 598921 **Project ID:** B0048789.0004

Lab Batch ID: 3063374 **QC- Sample ID:** 599042-001 S **Batch #:** 1 **Matrix:** Drinking Water

Date Analyzed: 09/15/2018 **Date Prepared:** 09/14/2018 **Analyst:** SCM

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	3.70	25.0	31.0	109	25.0	31.0	109	0	90-110	20	

Lab Batch ID: 3063018 **QC- Sample ID:** 598921-001 S **Batch #:** 1 **Matrix:** Water

Date Analyzed: 09/13/2018 **Date Prepared:** 09/13/2018 **Analyst:** OJS

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	0.204	102	5	75-125	20	

Lab Batch ID: 3063019 **QC- Sample ID:** 598921-011 S **Batch #:** 1 **Matrix:** Water

Date Analyzed: 09/13/2018 **Date Prepared:** 09/13/2018 **Analyst:** OJS

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	0.204	102	0.200	0.209	105	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.

Form 3 - MS / MSD Recoveries

Project Name: Chevron N. Eunice

Work Order # : 598921 **Project ID:** B0048789.0004

Lab Batch ID: 3063022 **QC- Sample ID:** 598921-022 S **Batch #:** 1 **Matrix:** Water

Date Analyzed: 09/13/2018 **Date Prepared:** 09/13/2018 **Analyst:** OJS

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	

Lab Batch ID: 3063327 **QC- Sample ID:** 598697-001 S **Batch #:** 1 **Matrix:** Water

Date Analyzed: 09/16/2018 **Date Prepared:** 09/15/2018 **Analyst:** DEP

Reporting Units: mg/L

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY STUDY

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	0.00241	0.100	0.106	104	0.100	0.107	105	1	75-125	20	
Barium	0.0518	0.100	0.160	108	0.100	0.159	107	1	75-125	20	
Chromium	0.00146	0.100	0.0989	97	0.100	0.0976	96	1	75-125	20	

Lab Batch ID: 3063648 **QC- Sample ID:** 598788-014 S **Batch #:** 1 **Matrix:** Surface Water

Date Analyzed: 09/18/2018 **Date Prepared:** 09/17/2018 **Analyst:** DEP

Reporting Units: mg/L

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY STUDY

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	0.000338	0.100	0.0987	98	0.100	0.0957	95	3	75-125	20	
Barium	0.0365	0.100	0.132	96	0.100	0.130	94	2	75-125	20	
Chromium	<0.000525	0.100	0.0971	97	0.100	0.0993	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.

Form 3 - MS / MSD Recoveries

Project Name: Chevron N. Eunice

Work Order # : 598921 **Project ID:** B0048789.0004

Lab Batch ID: 3063675 **QC- Sample ID:** 598921-022 S **Batch #:** 1 **Matrix:** Water

Date Analyzed: 09/18/2018 **Date Prepared:** 09/18/2018 **Analyst:** DEP

Reporting Units: mg/L

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY STUDY

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	0.0145	0.100	0.112	98	0.100	0.113	99	1	75-125	20	
Barium	0.0982	0.100	0.197	99	0.100	0.200	102	2	75-125	20	
Chromium	0.000838	0.100	0.0933	92	0.100	0.0975	97	4	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.

Sample Duplicate Recovery

Project Name: Chevron N. Eunice

Work Order #: 598921

Lab Batch #: 3063197 **Project ID:** B0048789.0004

Date Analyzed: 09/12/2018 17:10 **Date Prepared:** 09/12/2018 **Analyst:** OJS

QC- Sample ID: 598697-001 D **Batch #:** 1 **Matrix:** Water

Reporting Units: mg/L

TDS by SM2540C	SAMPLE / SAMPLE DUPLICATE RECOVERY				
Analyte	Parent Sample Result [A]	Sample Duplicate Result [B]	%RPD	RPD Limit	Flag
Total Dissolved Solids	2610	2530	3	10	

Lab Batch #: 3063197

Date Analyzed: 09/12/2018 17:10 **Date Prepared:** 09/12/2018 **Analyst:** OJS

QC- Sample ID: 598697-014 D **Batch #:** 1 **Matrix:** Water

Reporting Units: mg/L

TDS by SM2540C	SAMPLE / SAMPLE DUPLICATE RECOVERY				
Analyte	Parent Sample Result [A]	Sample Duplicate Result [B]	%RPD	RPD Limit	Flag
Total Dissolved Solids	1730	1750	1	10	

Lab Batch #: 3063326

Date Analyzed: 09/13/2018 15:45 **Date Prepared:** 09/13/2018 **Analyst:** OJS

QC- Sample ID: 598921-007 D **Batch #:** 1 **Matrix:** Water

Reporting Units: mg/L

TDS by SM2540C	SAMPLE / SAMPLE DUPLICATE RECOVERY				
Analyte	Parent Sample Result [A]	Sample Duplicate Result [B]	%RPD	RPD Limit	Flag
Total Dissolved Solids	1090	1130	4	10	

Lab Batch #: 3063326

Date Analyzed: 09/13/2018 15:45 **Date Prepared:** 09/13/2018 **Analyst:** OJS

QC- Sample ID: 598921-024 D **Batch #:** 1 **Matrix:** Water

Reporting Units: mg/L

TDS by SM2540C	SAMPLE / SAMPLE DUPLICATE RECOVERY				
Analyte	Parent Sample Result [A]	Sample Duplicate Result [B]	%RPD	RPD Limit	Flag
Total Dissolved Solids	1450	1500	3	10	

Log Difference Log Diff. = Log(Sample Duplicate) - Log(Original Sample)

Spike Relative Difference RPD 200 * | (B-A)/(B+A) |

All Results are based on MDL and validated for QC purposes.

BRL - Below Reporting Limit

Attachment A Laboratory Data Package Cover Page

Project Name: **Chevron N. Eunice** Laboratory Number: **598921**

This Data package consists of : Laboratory Batch No(s) **3063648, 3063326, 3063675, 3063374, 3063**

This signature page, the laboratory review checklist, and the following reportable data:

[X] R1 Field chain-of-custody documentation;

[X] R2 Sample identification cross-reference;

[X] R3 Test reports (analytical data sheets) for each environmental sample that includes:
a) Items consistent with NELAC 5
b) dilution factors,
c) preparation methods,
d) cleanup methods, and
e) if required for the project, tentatively identified compounds (TICs).

[X] R4 Surrogate Recovery data including:
a) Calculated recovery (%R), and
b) The laboratory's surrogate QC limits.

[X] R5 Test reports/summary forms for blank samples;

[X] R6 Test reports/summary forms for laboratory control samples (LCSs) including:
a) LCS spiking amounts,
b) Calculated %R for each analyte, and
c) The laboratory's LCS QC limits.

[X] R7 Test reports for project matrix spike/matrix spike duplicates (MS/MSDs) including:
a) Samples associated with the MS/MSD clearly identified,
b) MS/MSD spiking amounts,
c) Concentration of each MS/MSD analyte measured in the parent and spiked samples,
d) Calculated %Rs and relative percent differences (RPDs) and
e) The laboratory's MS/MSD QC limits

[X] R8 Laboratory anaytical duplicate (if applicable) recovery and precision:
a) the amount of analyte measured in the duplicate,
b) the calculated RPD, and
c) the laboratory's QC limits for analytical duplicates.

[X] R9 List of method quantitation limits (MQLs) and detectability check sample results for each analyte for each method and matrix;

[X] R10 Other problems or anomalies.

[X] Exception Report for every "No" or "Not Reviewed (NR)" item in Laboratory Review Checklist and for each analyte, matrix, and method for which the laboratory does not hold NELAC accreditation under the Texas Laboratory Accreditation Program.

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

Check, if applicable: [ ] This laboratory meets an exception under 30 TAC 25.6 and was last inspection by [ ] TCEQ or [ ] _____ on (enter date of last inspection). Any findings affecting the data in this laboratory data package are noted in the Exception Reports herein. The offical signing the cover page of the report in which these data are used is responsible for releasing this data package and is by signature affirming the above release statement is true.

Kelsey Brooks		**Project Manager**	**19-SEP-18**
Name (Printed)	Signature	Official Title (printed)	Date

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Attachment A (cont'd) : Laboratory Review Checklist: Reportable Data

Laboratory Name:	XENCO LABORATORIES	LRC Date :	19-SEP-18
Project Name:	Chevron N. Eunice	Laboratory Job Number :	598921
Reviewer Name:	KEB	Batch Number(s) :	3063648, 3063326, 3063675, 3063374, 3063018, 3063197, 3063369, 3063022, 3063327, 3063019

#[1]	A[2]	Description	Yes	No	NA[3]	NR[4]	ER#[5]
R1	OI	**Chain-of-Custody (COC)**					
		Did samples meet the laboratory's standard conditions of sample acceptability upon receipt?	X				
		Were all departures from standard conditions described in an exception report?			X		
R2	OI	**Sample and Quality Control (QC) Identification**					
		Are all field sample ID numbers cross-referenced to the laboratory ID numbers?	X				
		Are all laboratory ID numbers cross-referenced to the corresponding QC data?	X				
R3	OI	**Test Reports**					
		Were all samples prepared and analyzed within holding times?	X				
		Other than those results <MQL, were all other raw values bracketed by calibration standards?	X				
		Were calculations checked by a peer or supervisor?	X				
		Were all analyte identifications checked by a peer or supervisor?	X				
		Were sample detection limits reported for all analytes not detected?	X				
		Were all results for soil and sediment samples reported on a dry weight basis?			X		
		Were % moisture (or solids) reported for all soil and sediment samples?			X		
		Were bulk soil/solid samples for volatile analysis extracted with methanol per SW846 Method 5035?			X		
		If required for the project, were TICs reported?			X		
R4	O	**Surrogate Recovery Data**					
		Were surrogates added prior to extraction?			X		
		Were surrogate percent recoveries in all samples within the laboratory QC limits?			X		
R5	OI	**Test Reports/Summary Forms for Blank Samples**					
		Were appropriate type(s) of blanks analyzed?	X				
		Were blanks analyzed at the appropriate frequency ?	X				
		Were method blanks taken through the entire analytical procedure, including preparation and, if applicable, cleanup procedures ?	X				
		Were Blank Concentrations <MQL?	X				
R6	OI	**Laboratory Control Samples (LCS):**					
		Were all COCs included in the LCS?	X				
		Was each LCS taken through the entire analytical procedure, including prep and cleanup steps?	X				
		Were LCSs analyzed at the required frequency?	X				
		Were LCS (and LCSD, if applicable) %Rs within the laboratory QC limits?	X				
		Does the detectability check sample data document the laboratory's capability to detect the COCs at the MDL used to calculate the SDLs?	X				
		Was the LCSD RPD within the QC limits?	X				
R7	OI	**Matrix Spike (MS) and Matrix Spike Duplicate (MSD) data**					
		Were the project/method specified analytes included in the MS and MSD?	X				
		Were MS/MSD analyzed at the appropriate frequency?	X				
		Were MS (and MSD, if applicable) %Rs within the laboratory QC limits?	X				
		Were MS/MSD RPDs within the laboratory QC limits?	X				
R8	OI	**Analytical Duplicate Data**					
		Were appropriate analytical duplicates analyzed for each matrix?	X				
		Were analytical duplicates analyzed at the appropriate frequency?	X				
		Were RPDs or relative standard deviations within the laboratory QC limits?	X				
R9	OI	**Method Quantitation Limits (MQLs)**					
		Are the MQLs for each method analyte included in the laboratory data package?	X				
		Do the MQLs correspond to the concentration of the lowest non-zero calibration standard?	X				
		Are unadjusted MQLs and DCSs included in the laboratory data package?	X				
R10	OI	**Other Problems/Anomalies**					
		Are all known problems/anomalies/special conditions noted in this LRC and ER?	X				
		Is the laboratory NELAC-accredited under the Texas Laboratory Accreditation Program for the analytes, matrices and methods associated with this laboratory data package?	X				
		Was applicable and available technology used to lower the SDL to minimize the matrix interference effects on the sample results?	X				

Attachment A (cont'd) : Laboratory Review Checklist: Reportable Data

Laboratory Name:	XENCO LABORATORIES	LRC Date :	19-SEP-18
Project Name:	Chevron N. Eunice	Laboratory Job Number :	598921
Reviewer Name:	KEB	Batch Number(s) :	3063648, 3063326, 3063675, 3063374, 3063018, 3063197, 3063369, 3063022, 3063327, 3063019

#[1]	A[2]	Description	Yes	No	NA[3]	NR[4]	ER#[5]
S1	OI	**Initial Calibration (ICAL)**					
		Were response factors and/or relative response factors for each analyte within QC limits?	X				
		Were percent RSDs or correlation coefficient criteria met?	X				
		Was the number of standards recommended in the method used for all analytes?	X				
		Were all points generated between the lowest and the highest standard used to calculate the curve?	X				
		Are ICAL data available for all instruments used?	X				
		Has the initial calibration curve been verified using an appropriate second source standard?	X				
S2	OI	**Initial and Continuing Calibration Verification (ICCV and CCV) and continuing calibration blank (**					
		Was the CCV analyzed at the method-required frequency?	X				
		Were percent differences for each analyte within the method-required QC limits?	X				
		Was the ICAL curve verified for each analyte?	X				
		Was the absolute value of the analyte concentration in the inorganic CCB <MDL?	X				
S3	O	**Mass Spectral Tuning**					
		Was the appropriate compound for the method used for tuning?			X		
		Were ion abundance data within the method-required QC limits?			X		
S4	O	**Internal Standard (IS)**					
		Were IS area counts and retention times within the method-required QC limits?			X		
S5	OI	**Raw Data (NELAC 5.5.10)**					
		Were the raw data (for example, chromatograms, spectral data) reviewed by an analyst?	X				
		Were data associated with manual integrations flagged on the raw data?	X				
S6	O	**Dual Column Confirmation**					
		Did dual column confirmation results meet the method-required QC?			X		
S7	O	**Tentatively Identified Compounds (TICs)**					
		If TICs were requested, were the mass spectra and TIC data subject to appropriate checks?			X		
S8	I	**Interference Check Sample (ICS) Results**					
		Were percent recoveries within method QC limits?	X				
S9	I	**Serial Dilutions, Post Digestions Spikes, and Method of Standard Additions**					
		Were percent differences, recoveries, and the linearity within the QC limits specified in the method?	X				
S10	OI	**Method Detection Limit (MDL) Studies**					
		Was a MDL study performed for each reported analyte?	X				
		Is the MDL either adjusted or supported by the analysis of DCSs?	X				
S11	OI	**Proficiency Test Reports**					
		Was the laboratory's performance acceptable on the applicable proficiency tests or evaluation studies?	X				
S12	OI	**Standards Documentation**					
		Are all standards used in the analyses NIST-traceable or obtained from other appropriate sources?	X				
S13	OI	**Compound/Analyte Identification Procedures**					
		Are the procedures for compound/analyte identification documented?	X				
S14	OI	**Demonstration of Analyst Competency (DOC)**					
		Was DOC conducted consistent with NELAC Chapter 5?	X				
		Is documentation of the analyst's competency up-to-date and on file?	X				
S15	OI	**Verification/Validation Documentation for Methods (NELAC Chapter 5)**					
		Are all methods used to generate the data documented, verified, and validated, where applicable?	X				
S16	OI	**Laboratory Standard Operating Procedures (SOPs)**					
		Are laboratory SOPs current and on file for each method performed?	X				

1. Items identified by the letter "R" must be included in the laboratory data package submitted to the TCEQ-required report(s). Items identified by the letter "S" should be retained and made available upon request for the appropriate retention period.
2. O = organic analyses; I = inorganic analyses (and general chemistry, when applicable).
3. NA = Not applicable;
4. NR = Not reviewed;
5. ER# = Exception Report Identification number (an Exception Report should be completed for an item if "NR" or "No" is checked).

Attachment A (cont'd): Laboratory Review Checklist: Exception Reports

Laboratory Name:	XENCO LABORATORIES	LRC Date:	19-SEP-18
Project Name:	Chevron N. Eunice	Laboratory Job Number:	598921
Reviewer Name:	KEB	Batch Number(s) :	3063648, 3063326, 3063675, 3063374, 3063018, 3063197, 3063369, 3063022, 3063327, 3063019

ER# [1]	DESCRIPTION

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

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Released to Imaging: 6/14/2022 10:44:20 AM

DCS Summary 598921

ARCADIS, Midland, TX

Chevron N. Eunice

Analytical Method: **Chloride by EPA 300** Matrix: **Water**

Prep Method: **E300P** Laboratory: **Xenco - Midland**

Parameter	SDL	MQL	Spike Amount	Actual Amount	Units
Chloride	0.0858	0.500	0.250	0.177	mg/L

Analytical Method: **Chromium, Hexavalent by SW 7196A** Matrix: **Water**

Prep Method: Laboratory: **Xenco - Midland**

Parameter	SDL	MQL	Spike Amount	Actual Amount	Units
Chromium, Hexavalent	0.00273	0.0100	0.00800	0.00510	mg/L

Analytical Method: **Dissolved Metals by SW6020A** Matrix: **Water**

Prep Method: **SW3010A** Laboratory: **Xenco - Houston**

Parameter	SDL	MQL	Spike Amount	Actual Amount	Units
Arsenic	0.000246	0.00400	0.00200	0.00294	mg/L
Barium	0.000484	0.00400	0.00400	0.00401	mg/L
Chromium	0.000525	0.00400	0.00200	0.00400	mg/L

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ARCADIS

ID#:

CHAIN OF CUSTODY & LABORATORY ANALYSIS REQUEST FORM

Page 1 of 2

Lab Work Order # 698921

Send Results to:

Contact & Company Name: Brett Krehbiel Arcadis
Telephone: 916-786-0320
Address: 101 Creekside Ridge Court, Suite 200
Fax: 916-786-0366
City: Roseville State: CA Zip: 95678
E-mail Address: brett.krehbiel@arcadis.com
Project Name/Location (City, State): Chevron N. Eunice
Project #: B0048789.0004
Sampler's Printed Name: Jerry Shongwell
Sampler's Signature:

Sample ID	Collection Date	Collection Time	Type (✓) Comp	Type (✓) Grab	Matrix
MW071SA-W-180912	9/12/18	0911		X	W
MW074SA-W-180912	9/12/18	0926		X	W
MW056SA-W-180912	9/12/18	0940		X	W
MW055SA-W-180912	9/12/18	0954		X	W
MW066SA-W-180912	9/12/18	1005		X	W
MW073SA-W-180912	9/12/18	1016		X	W
MW072SA-W-180912	9/12/18	1135		X	W
MW021A-W-180912	9/12/18	1149		X	W
MW050SA-W-180912	9/12/18	1159		X	W
MW051SA-W-180912	9/12/18	1211		X	W
MW028SA-W-180912	9/12/18	1225		X	W
MW054SA-N-180912	9/12/18	1242		X	W
DUP04-W-180912	9/12/18			X	W
DUP05-W-180912	9/12/18	—		X	W

Preservative	B	B	C	E	E			
Filtered (✓)			✓	✓				
# of Containers			19	19	19			
Container Information	1	1	3	4	4			

PARAMETER ANALYSIS & METHOD

Sample ID	BTEX 8021B	TPH GRO & DRO 8015B	Dissolved As, Mn, Fe, Cr 6010B	Dissolved Hex Chromium 7196	Chloride & TDS			
MW071SA-W-180912			1	1	1			
MW074SA-W-180912			1	1	1			
MW056SA-W-180912			1	1	1			
MW055SA-W-180912			1	1	1			
MW066SA-W-180912			1	1	1			
MW073SA-W-180912			1	1	1			
MW072SA-W-180912			1	1	1			
MW021A-W-180912			1	1	1			
MW050SA-W-180912			1	1	1			
MW051SA-W-180912			1	1	1			
MW028SA-W-180912			1	1	1			
MW054SA-N-180912			1	1	1			
DUP04-W-180912			1	1	1			
DUP05-W-180912			1	1	1			

Keys

Preservation Key:
A. H_2SO_4
B. HCL
C. HNO_3
D. NaOH
E. None
F. Other: _____
G. Other: _____
H. Other: _____

Container Information Key:
1. 40 ml Vial
2. 1 L Amber
3. 250 ml Plastic
4. 500 ml Plastic
5. Encore
6. 2 oz. Glass
7. 4 oz. Glass
8. 8 oz. Glass
9. Other: _____
10. Other: _____

Matrix Key:
SO - Soil
W - Water
T - Tissue
SE - Sediment
SL - Sludge
A - Air
NL - NAPL/Oil
SW - Sample Wipe
Other: _____

REMARKS

Special Instructions/Comments:

☐ Special QA/QC Instructions(✓):

Laboratory Information and Receipt

Lab Name: Xenco
☑ Cooler packed with ice (✓)
Specific Turnaround Requirements: 5 Business Days TAT
Shipping Tracking #:

Cooler Custody Seal (✓): ☑ Intact ☐ Not Intact
Sample Receipt: R80.030
Condition/Cooler Temp: 3.0

Relinquished By	Received By	Relinquished By	Laboratory Received By
Printed Name: Jerry Shongwell	Printed Name: Winston Nod	Printed Name: Winston Nod	Printed Name: Katie Lave
Signature:	Signature:	Signature:	Signature:
Firm: Arcadis	Firm/Courier: Xenco	Firm/Courier: Xenco	Firm: Xenco
Date/Time: 09/12/18 1708	Date/Time: 09/12/18 17:08	Date/Time: 09/12/18 19:00	Date/Time: 9/12/18 19:00

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ARCADIS

ID#:

CHAIN OF CUSTODY & LABORATORY ANALYSIS REQUEST FORM

Page 2 of 2

Lab Work Order #: 598921

Send Results to:

Contact & Company Name: Brett Krehbiel Arcadis
Telephone: 916-786-0320
Address: 101 Creekside Ridge Court, Suite 200
Fax: 916-786-0366
City: Roseville State: CA Zip: 95678
E-mail Address: brett.krehbiel@arcadis.com
Project Name/Location (City, State): Chevron N. Eunice
Project #: B0048789.0004
Sampler's Printed Name: Jerry Slongwell
Sampler's Signature:

Preservative	B	B	C	E	E		
Filtered (✓)			✓	✓			
# of Containers			3	4	4		
Container Information	1	1	3	4	4		

Keys

Preservation Key:
A. H_2SO_4
B. HCL
C. HNO_3
D. NaOH
E. None
F. Other: _____
G. Other: _____
H. Other: _____

Container Information Key:
1. 40 ml Vial
2. 1 L Amber
3. 250 ml Plastic
4. 500 ml Plastic
5. Encore
6. 2 oz. Glass
7. 4 oz. Glass
8. 8 oz. Glass
9. Other: _____
10. Other: _____

Matrix Key:
SO - Soil
W - Water
T - Tissue
SE - Sediment
SL - Sludge
A - Air
NL - NAPL/Oil
SW - Sample Wipe
Other: _____

PARAMETER ANALYSIS & METHOD

Sample ID	Collection Date	Collection Time	Type (✓) Comp	Type (✓) Grab	Matrix	BTEX 8021B	TPH GRO & DRO 8015B	Dissolved As, Mn, Fe, Cr 6010B	Dissolved Hex Chromium 7196	Chloride & TDS	REMARKS
MW057SA-W-180912 0912	9/12/18	1809		X	W			1	1	1	
MW048SA-W-180912	9/12/18	1320		X	W			1	1	1	
MW048SA-W-180912	9/12/18	1332		X	W			1	1	1	
MW049A-W-180912	9/12/18	1347		X	W			1	1	1	
MW062A-W-180912	9/12/18	1803		X	W			1	1	1	
MW063A-W-180912	9/12/18	1824		X	W			1	1	1	
MW074A-W-180912	9/12/18	1843		X	W			1	1	1	
MW070-W-180912	9/12/18	1502		X	W			1	1	1	
DUP02-W-180912	9/12/18	—		X	W			1	1	1	

Special Instructions/Comments: MW057SA-W-180912 9/12/18 11:35

☐ Special QA/QC Instructions(✓):

Laboratory Information and Receipt		Relinquished By	Received By	Relinquished By	Laboratory Received By
Lab Name: Xenco	Cooler Custody Seal (✓) ☑ Intact ☐ Not Intact	Printed Name: Jerry S. Longwell	Printed Name: Winston Nod	Printed Name: Winston Nod	Printed Name:
☑ Cooler packed with ice (✓)		Signature:	Signature:	Signature:	Signature:
Specify Turnaround Requirements: Standard TAT	Sample Receipt: R80.03.0	Firm: Arcadis	Firm/Courier: Xenco	Firm/Courier: Xenco	Firm:
Shipping Tracking #:	Condition/Cooler Temp: 3.0	Date/Time: 09/12/18 1708	Date/Time: 09/12/18 17:08	Date/Time: 09/12/18 19:00	Date/Time:

20730826 CofC AR Form 08.27.2015

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Inter-Office Shipment

IOS Number **113951**

Date/Time: 09/13/18 08:02
Created by: Brianna Teel
Please send report to: Kelsey Brooks

Lab# From: **Midland**
Delivery Priority:
Address: 1211 W. Florida Ave, Midland TX 79701

Lab# To: **Houston**
Air Bill No.: 773214945614
E-Mail: kelsey.brooks@xenco.com

Sample Id	Matrix	Client Sample Id	Sample Collection	Method	Method Name	Lab Due	HT Due	PM	Analytes	Sign
598921-001	W	MW071SA-W-180912	09/12/18 09:11	SW6020_DIS	Dissolved Metals by SW6020A	09/18/18	03/11/19	KEB	AS BA CR	
598921-002	W	MW074SA-W-180912	09/12/18 09:26	SW6020_DIS	Dissolved Metals by SW6020A	09/18/18	03/11/19	KEB	AS BA CR	
598921-003	W	MW056SA-W-180912	09/12/18 09:42	SW6020_DIS	Dissolved Metals by SW6020A	09/18/18	03/11/19	KEB	AS BA CR	
598921-004	W	MW055SA-W-180912	09/12/18 09:54	SW6020_DIS	Dissolved Metals by SW6020A	09/18/18	03/11/19	KEB	AS BA CR	
598921-005	W	MW066SA-W-180912	09/12/18 10:05	SW6020_DIS	Dissolved Metals by SW6020A	09/18/18	03/11/19	KEB	AS BA CR	
598921-006	W	MW073SA-W-180912	09/12/18 10:16	SW6020_DIS	Dissolved Metals by SW6020A	09/18/18	03/11/19	KEB	AS BA CR	
598921-007	W	MW072SA-W-180912	09/12/18 11:35	SW6020_DIS	Dissolved Metals by SW6020A	09/18/18	03/11/19	KEB	AS BA CR	
598921-008	W	MW021SA-W-180912	09/12/18 11:48	SW6020_DIS	Dissolved Metals by SW6020A	09/18/18	03/11/19	KEB	AS BA CR	
598921-009	W	MW050SA-W-180912	09/12/18 11:59	SW6020_DIS	Dissolved Metals by SW6020A	09/18/18	03/11/19	KEB	AS BA CR	
598921-010	W	MW051SA-W-180912	09/12/18 12:11	SW6020_DIS	Dissolved Metals by SW6020A	09/18/18	03/11/19	KEB	AS BA CR	
598921-011	W	MW079SA-W-180912	09/12/18 12:25	SW6020_DIS	Dissolved Metals by SW6020A	09/18/18	03/11/19	KEB	AS BA CR	
598921-012	W	MW054SA-W-180912	09/12/18 12:42	SW6020_DIS	Dissolved Metals by SW6020A	09/18/18	03/11/19	KEB	AS BA CR	
598921-013	W	DUP04-W-180912	09/12/18 00:00	SW6020_DIS	Dissolved Metals by SW6020A	09/18/18	03/11/19	KEB	AS BA CR	
598921-014	W	DUP05-W-180912	09/12/18 00:00	SW6020_DIS	Dissolved Metals by SW6020A	09/18/18	03/11/19	KEB	AS BA CR	
598921-015	W	MW052SA-W-180912	09/12/18 13:09	SW6020_DIS	Dissolved Metals by SW6020A	09/18/18	03/11/19	KEB	AS BA CR	
598921-016	W	MW049SA-W-180912	09/12/18 13:20	SW6020_DIS	Dissolved Metals by SW6020A	09/18/18	03/11/19	KEB	AS BA CR	
598921-017	W	MW048SA-W-180912	09/12/18 13:32	SW6020_DIS	Dissolved Metals by SW6020A	09/18/18	03/11/19	KEB	AS BA CR	
598921-018	W	MW041A-W-180912	09/12/18 13:44	SW6020_DIS	Dissolved Metals by SW6020A	09/18/18	03/11/19	KEB	AS BA CR	
598921-019	W	MW062A-W-180912	09/12/18 14:03	SW6020_DIS	Dissolved Metals by SW6020A	09/18/18	03/11/19	KEB	AS BA CR	
598921-020	W	MW063A-W-180912	09/12/18 14:14	SW6020_DIS	Dissolved Metals by SW6020A	09/18/18	03/11/19	KEB	AS BA CR	
598921-021	W	MW024A-W-180912	09/12/18 14:43	SW6020_DIS	Dissolved Metals by SW6020A	09/18/18	03/11/19	KEB	AS BA CR	
598921-022	W	MW070A-W-180912	09/12/18 15:02	SW6020_DIS	Dissolved Metals by SW6020A	09/18/18	03/11/19	KEB	AS BA CR	
598921-023	W	Dup-02-W-180912	09/12/18 00:00	SW6020_DIS	Dissolved Metals by SW6020A	09/18/18	03/11/19	KEB	AS BA CR	
598921-024	W	MW057SA-W-180912	09/12/18 11:35	SW6020_DIS	Dissolved Metals by SW6020A	09/18/18	03/11/19	KEB	AS BA CR	

Inter-Office Shipment

IOS Number **113951**

Date/Time: 09/13/18 08:02
Created by: Brianna Teel
Please send report to: Kelsey Brooks

Lab# From: **Midland**
Delivery Priority:
Address: 1211 W. Florida Ave, Midland TX 79701

Lab# To: **Houston**
Air Bill No.: 773214945614
E-Mail: kelsey.brooks@xenco.com

Inter Office Shipment or Sample Comments:

Relinquished By: Katie Lowe

Date Relinquished: 09/13/2018

Received By: Rene Vandenberghe

Date Received: 09/14/2018 09:10

Cooler Temperature: 3.4

XENCO Laboratories

Inter Office Report- Sample Receipt Checklist

Sent To: Houston

IOS #: 113951

Acceptable Temperature Range: 0 - 6 degC
Air and Metal samples Acceptable Range: Ambient
Temperature Measuring device used : hou-068

Sent By: Brianna Teel **Date Sent:** 09/13/2018 08:02 AM

Received By: Rene Vandenberghe **Date Received:** 09/14/2018 09:10 AM

Sample Receipt Checklist		Comments
#1 *Temperature of cooler(s)?	3.4	
#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: R. C. Vandenberghe Date: 09/14/2018

Rene Vandenberghe

XENCO Laboratories

Prelogin/Nonconformance Report- Sample Log-In

Client: ARCADIS

Date/ Time Received: 09/12/2018 07:00:00 PM

Work Order #: 598921

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

Temperature Measuring device used : R8

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**	Metals to 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: BT

PH Device/Lot#: 213315

Checklist completed by: Katie Lowe Date: 09/12/2018

Checklist reviewed by: Kelsey Brooks Date: 09/14/2018

Analytical Report 599078

for

ARCADIS

Project Manager: Brett Krehbiel

Chevron N. Eunice

B0048789.0004

20-SEP-18

Collected By: Client

1211 W. Florida Ave, Midland TX 79701

Xenco-Houston (EPA Lab Code: TX00122):
Texas (T104704215-18-27), Arizona (AZ0765), Florida (E871002-24), Louisiana (03054)
Oklahoma (2017-142)

Xenco-Dallas (EPA Lab Code: TX01468):
Texas (T104704295-18-17), Arizona (AZ0809), Arkansas (17-063-0)

Xenco-El Paso (EPA Lab Code: TX00127): Texas (T104704221-18-13)
Xenco-Lubbock (EPA Lab Code: TX00139): Texas (T104704219-18-17)
Xenco-Midland (EPA Lab Code: TX00158): Texas (T104704400-18-16)
Xenco-San Antonio (EPA Lab Code: TNI02385): Texas (T104704534-18-4)
Xenco Phoenix (EPA Lab Code: AZ00901): Arizona (AZ0757)
Xenco-Phoenix Mobile (EPA Lab Code: AZ00901): Arizona (AZM757)
Xenco-Atlanta (LELAP Lab ID #04176)
Xenco-Tampa: Florida (E87429)
Xenco-Lakeland: Florida (E84098)

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20-SEP-18

Project Manager: **Brett Krehbiel**
ARCADIS
1004 N. Big Spring St.
Midland, TX 79701

Reference: XENCO Report No(s): **599078**
Chevron N. Eunice
Project Address: Eunice, NM

Brett Krehbiel:

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 XENCO Report Number(s) 599078. 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 XENCO Laboratories. 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. 599078 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 XENCO Laboratories to serve your analytical needs. If you have any questions concerning this report, please feel free to contact us at any time.

Respectfully,

Kelsey Brooks
Project Manager

Recipient of the Prestigious Small Business Administration Award of Excellence in 1994.
Certified and approved by numerous States and Agencies.
A Small Business and Minority Status Company that delivers SERVICE and QUALITY

Houston - Dallas - Midland - San Antonio - Phoenix - Oklahoma - Latin America

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Sample Cross Reference 599078

ARCADIS, Midland, TX

Chevron N. Eunice

Sample Id	Matrix	Date Collected	Sample Depth	Lab Sample Id
MW088M-W-180913	W	09-13-18 14:47		599078-001
MW013-W-180913	W	09-13-18 14:38		599078-002
MW040A-W-180913	W	09-13-18 14:29		599078-003
MW010-W-180913	W	09-13-18 14:21		599078-004
MW019A-W-180913	W	09-13-18 14:09		599078-005
MW018-W-180913	W	09-13-18 13:46		599078-006
MW020A-W-180913	W	09-13-18 14:00		599078-007
MW099-W-180913	W	09-13-18 13:21		599078-008
MW015A-W-180913	W	09-13-18 12:49		599078-009
MW026-W-180913	W	09-13-18 12:39		599078-010
MW027-W-180913	W	09-13-18 12:28		599078-011
MW032-W-180913	W	09-13-18 12:19		599078-012
MW068-W-180913	W	09-13-18 11:44		599078-013
MW061-W-180913	W	09-13-18 11:32		599078-014
MW095-W-180913	W	09-13-18 11:17		599078-015
MW030-W-180913	W	09-13-18 09:58		599078-016
MW031-W-180913	W	09-13-18 10:30		599078-017
MW060-W-180913	W	09-13-18 11:03		599078-018
MW059-W-180913	W	09-13-18 10:10		599078-019
MW069-W-180913	W	09-13-18 10:41		599078-020
MW023-W-180913	W	09-13-18 10:20		599078-021

Version: 1.%

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CASE NARRATIVE SUMMARY

Client Name: ***ARCADIS***

Project Name: ***Chevron N. Eunice***

Project ID:	*B0048789.0004*	*Report Date:*	*20-SEP-18*
Work Order Number:	*599078*	*Date Received:*	*13-SEP-18*

Kelsey Brooks
Project Manager

Certificate of Analytical Results

599078

ARCADIS, Midland, TX

Chevron N. Eunice

Sample Id: **MW088M-W-180913** Matrix: Water Sample Depth:

Lab Sample Id: 599078-001 Date Collected: 09.13.18 14.47 Date Received: 09.13.18 19.00

Analytical Method: TDS by SM2540C Prep Method:

Analyst: OJS % Moist: Tech: OJS

Seq Number: 3063565 Date Prep:

Prep seq:

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Total Dissolved Solids	1642222	**3200**	5.00	5.00	mg/L	09.15.18 12:00		1

Analytical Method: Chloride by EPA 300 Prep Method: E300P

Analyst: SCM % Moist: Tech: CHE

Seq Number: 3063721 Date Prep: 09.18.18 13.15

Prep seq: 7662536

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Chloride	16887-00-6	**1760**	25.0	4.29	mg/L	09.18.18 18:46		50

Analytical Method: Dissolved Metals by SW6020A Prep Method: 3010A

Analyst: DEP % Moist: Tech: AHI

Seq Number: 3063648 Date Prep: 09.17.18 10.20

Subcontractor: SUB: TX104704215-18-27 Prep seq: 7662384

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Arsenic	7440-38-2	**0.0234**	0.00400	0.000246	mg/L	09.18.18 16:12		1
Barium	7440-39-3	**0.376**	0.00400	0.000484	mg/L	09.18.18 16:12		1
Chromium	7440-47-3	**0.157**	0.00400	0.000525	mg/L	09.18.18 16:12		1

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

Analyst: OJS % Moist: Tech: OJS

Seq Number: 3063189 Date Prep:

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	09.14.18 07:20	U	1

Certificate of Analytical Results

599078

ARCADIS, Midland, TX

Chevron N. Eunice

Sample Id: **MW013-W-180913** Matrix: Water Sample Depth:

Lab Sample Id: 599078-002 Date Collected: 09.13.18 14.38 Date Received: 09.13.18 19.00

Analytical Method: TDS by SM2540C Prep Method:

Analyst: OJS % Moist: Tech: OJS

Seq Number: 3063565 Date Prep:

Prep seq:

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Total Dissolved Solids	1642222	**2810**	5.00	5.00	mg/L	09.15.18 12:00		1

Analytical Method: Chloride by EPA 300 Prep Method: E300P

Analyst: SCM % Moist: Tech: CHE

Seq Number: 3063721 Date Prep: 09.18.18 13.15

Prep seq: 7662536

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Chloride	16887-00-6	**692**	10.0	1.72	mg/L	09.18.18 18:56		20

Analytical Method: Dissolved Metals by SW6020A Prep Method: 3010A

Analyst: DEP % Moist: Tech: AHI

Seq Number: 3063648 Date Prep: 09.17.18 10.20

Subcontractor: SUB: TX104704215-18-27 Prep seq: 7662384

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Arsenic	7440-38-2	**0.00757**	0.00400	0.000246	mg/L	09.18.18 16:15		1
Barium	7440-39-3	**0.0208**	0.00400	0.000484	mg/L	09.18.18 16:15		1
Chromium	7440-47-3	**1.76**	0.00400	0.000525	mg/L	09.18.18 16:15		1

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

Analyst: OJS % Moist: Tech: OJS

Seq Number: 3063189 Date Prep:

Prep seq:

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Chromium, Hexavalent	18540-29-9	**1.84**	0.0500	0.0136	mg/L	09.14.18 07:20		5

Certificate of Analytical Results

599078

ARCADIS, Midland, TX

Chevron N. Eunice

Sample Id: **MW040A-W-180913** Matrix: Water Sample Depth:

Lab Sample Id: 599078-003 Date Collected: 09.13.18 14.29 Date Received: 09.13.18 19.00

Analytical Method: TDS by SM2540C Prep Method:

Analyst: OJS % Moist: Tech: OJS

Seq Number: 3063565 Date Prep:

Prep seq:

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Total Dissolved Solids	1642222	**497**	5.00	5.00	mg/L	09.15.18 12:00		1

Analytical Method: Chloride by EPA 300 Prep Method: E300P

Analyst: SCM % Moist: Tech: CHE

Seq Number: 3063721 Date Prep: 09.18.18 13.15

Prep seq: 7662536

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Chloride	16887-00-6	**51.6**	2.50	0.429	mg/L	09.18.18 19:07		5

Analytical Method: Dissolved Metals by SW6020A Prep Method: 3010A

Analyst: DEP % Moist: Tech: AHI

Seq Number: 3063675 Date Prep: 09.18.18 09.00

Subcontractor: SUB: TX104704215-18-27 Prep seq: 7662476

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Arsenic	7440-38-2	**0.0195**	0.0200	0.00123	mg/L	09.19.18 17:20	J	5
Barium	7440-39-3	**0.0371**	0.0200	0.00242	mg/L	09.19.18 17:20		5
Chromium	7440-47-3	<0.00262	0.0200	0.00262	mg/L	09.19.18 17:20	U	5

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

Analyst: OJS % Moist: Tech: OJS

Seq Number: 3063189 Date Prep:

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	09.14.18 07:20	U	1

Certificate of Analytical Results
599078
ARCADIS, Midland, TX
Chevron N. Eunice

Sample Id: **MW010-W-180913** Matrix: Water Sample Depth:

Lab Sample Id: 599078-004 Date Collected: 09.13.18 14.21 Date Received: 09.13.18 19.00

Analytical Method: TDS by SM2540C Prep Method:

Analyst: OJS % Moist: Tech: OJS

Seq Number: 3063565 Date Prep:

Prep seq:

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Total Dissolved Solids	1642222	**4990**	5.00	5.00	mg/L	09.15.18 12:00		1

Analytical Method: Chloride by EPA 300 Prep Method: E300P

Analyst: SCM % Moist: Tech: CHE

Seq Number: 3063721 Date Prep: 09.18.18 13.15

Prep seq: 7662536

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Chloride	16887-00-6	**2550**	25.0	4.29	mg/L	09.18.18 19:17		50

Analytical Method: Dissolved Metals by SW6020A Prep Method: 3010A

Analyst: DEP % Moist: Tech: AHI

Seq Number: 3063675 Date Prep: 09.18.18 09.00

Subcontractor: SUB: TX104704215-18-27 Prep seq: 7662476

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Arsenic	7440-38-2	**0.00939**	0.0200	0.00123	mg/L	09.19.18 17:23	J	5
Barium	7440-39-3	**0.0533**	0.0200	0.00242	mg/L	09.19.18 17:23		5
Chromium	7440-47-3	**0.0228**	0.0200	0.00262	mg/L	09.19.18 17:23		5

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

Analyst: OJS % Moist: Tech: OJS

Seq Number: 3063189 Date Prep:

Prep seq:

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Chromium, Hexavalent	18540-29-9	**0.0120**	0.0100	0.00273	mg/L	09.14.18 07:20		1

Certificate of Analytical Results

599078

ARCADIS, Midland, TX

Chevron N. Eunice

Sample Id: **MW019A-W-180913** Matrix: Water Sample Depth:

Lab Sample Id: 599078-005 Date Collected: 09.13.18 14.09 Date Received: 09.13.18 19.00

Analytical Method: TDS by SM2540C Prep Method:

Analyst: OJS % Moist: Tech: OJS

Seq Number: 3063565 Date Prep:

Prep seq:

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Total Dissolved Solids	1642222	**1170**	5.00	5.00	mg/L	09.15.18 12:00		1

Analytical Method: Chloride by EPA 300 Prep Method: E300P

Analyst: SCM % Moist: Tech: CHE

Seq Number: 3063721 Date Prep: 09.18.18 13.15

Prep seq: 7662536

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Chloride	16887-00-6	**291**	5.00	0.858	mg/L	09.18.18 19:48		10

Analytical Method: Dissolved Metals by SW6020A Prep Method: 3010A

Analyst: DEP % Moist: Tech: AHI

Seq Number: 3063675 Date Prep: 09.18.18 09.00

Subcontractor: SUB: TX104704215-18-27 Prep seq: 7662476

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Arsenic	7440-38-2	**0.0116**	0.0200	0.00123	mg/L	09.19.18 17:26	J	5
Barium	7440-39-3	**0.0453**	0.0200	0.00242	mg/L	09.19.18 17:26		5
Chromium	7440-47-3	<0.00262	0.0200	0.00262	mg/L	09.19.18 17:26	U	5

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

Analyst: OJS % Moist: Tech: OJS

Seq Number: 3063189 Date Prep:

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	09.14.18 07:20	U	1

Certificate of Analytical Results

599078

ARCADIS, Midland, TX

Chevron N. Eunice

Sample Id: **MW018-W-180913** Matrix: Water Sample Depth:

Lab Sample Id: 599078-006 Date Collected: 09.13.18 13.46 Date Received: 09.13.18 19.00

Analytical Method: TDS by SM2540C Prep Method:

Analyst: OJS % Moist: Tech: OJS

Seq Number: 3063565 Date Prep:

Prep seq:

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Total Dissolved Solids	1642222	**2210**	5.00	5.00	mg/L	09.15.18 12:00		1

Analytical Method: Chloride by EPA 300 Prep Method: E300P

Analyst: SCM % Moist: Tech: CHE

Seq Number: 3063721 Date Prep: 09.18.18 13.15

Prep seq: 7662536

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Chloride	16887-00-6	**528**	10.0	1.72	mg/L	09.18.18 19:58		20

Analytical Method: Dissolved Metals by SW6020A Prep Method: 3010A

Analyst: DEP % Moist: Tech: AHI

Seq Number: 3063675 Date Prep: 09.18.18 09.00

Subcontractor: SUB: TX104704215-18-27 Prep seq: 7662476

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Arsenic	7440-38-2	**0.00937**	0.0200	0.00123	mg/L	09.19.18 17:29	J	5
Barium	7440-39-3	**0.0562**	0.0200	0.00242	mg/L	09.19.18 17:29		5
Chromium	7440-47-3	<0.00262	0.0200	0.00262	mg/L	09.19.18 17:29	U	5

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

Analyst: OJS % Moist: Tech: OJS

Seq Number: 3063189 Date Prep:

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	09.14.18 07:20	U	1

Certificate of Analytical Results

599078

ARCADIS, Midland, TX

Chevron N. Eunice

Sample Id: **MW020A-W-180913** Matrix: Water Sample Depth:

Lab Sample Id: 599078-007 Date Collected: 09.13.18 14.00 Date Received: 09.13.18 19.00

Analytical Method: TDS by SM2540C Prep Method:

Analyst: OJS % Moist: Tech: OJS

Seq Number: 3063565 Date Prep:

Prep seq:

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Total Dissolved Solids	1642222	**2370**	5.00	5.00	mg/L	09.15.18 12:00		1

Analytical Method: Chloride by EPA 300 Prep Method: E300P

Analyst: SCM % Moist: Tech: CHE

Seq Number: 3063721 Date Prep: 09.18.18 13.15

Prep seq: 7662536

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Chloride	16887-00-6	**961**	10.0	1.72	mg/L	09.18.18 20:09		20

Analytical Method: Dissolved Metals by SW6020A Prep Method: 3010A

Analyst: DEP % Moist: Tech: AHI

Seq Number: 3063675 Date Prep: 09.18.18 09.00

Subcontractor: SUB: TX104704215-18-27 Prep seq: 7662476

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Arsenic	7440-38-2	**0.0112**	0.0200	0.00123	mg/L	09.19.18 17:32	J	5
Barium	7440-39-3	**0.0305**	0.0200	0.00242	mg/L	09.19.18 17:32		5
Chromium	7440-47-3	**0.00675**	0.0200	0.00262	mg/L	09.19.18 17:32	J	5

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

Analyst: OJS % Moist: Tech: OJS

Seq Number: 3063189 Date Prep:

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	09.14.18 07:20	U	1

Certificate of Analytical Results

599078

ARCADIS, Midland, TX

Chevron N. Eunice

Sample Id: **MW099-W-180913** Matrix: Water Sample Depth:

Lab Sample Id: 599078-008 Date Collected: 09.13.18 13.21 Date Received: 09.13.18 19.00

Analytical Method: TDS by SM2540C Prep Method:

Analyst: OJS % Moist: Tech: OJS

Seq Number: 3063565 Date Prep:

Prep seq:

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Total Dissolved Solids	1642222	**496**	5.00	5.00	mg/L	09.15.18 12:00		1

Analytical Method: Chloride by EPA 300 Prep Method: E300P

Analyst: SCM % Moist: Tech: CHE

Seq Number: 3063721 Date Prep: 09.18.18 13.15

Prep seq: 7662536

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Chloride	16887-00-6	**64.6**	2.50	0.429	mg/L	09.18.18 20:19		5

Analytical Method: Dissolved Metals by SW6020A Prep Method: 3010A

Analyst: DEP % Moist: Tech: AHI

Seq Number: 3063675 Date Prep: 09.18.18 09.00

Subcontractor: SUB: TX104704215-18-27 Prep seq: 7662476

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Arsenic	7440-38-2	**0.00898**	0.0200	0.00123	mg/L	09.19.18 17:36	J	5
Barium	7440-39-3	**0.0956**	0.0200	0.00242	mg/L	09.19.18 17:36		5
Chromium	7440-47-3	<0.00262	0.0200	0.00262	mg/L	09.19.18 17:36	U	5

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

Analyst: OJS % Moist: Tech: OJS

Seq Number: 3063189 Date Prep:

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	09.14.18 07:20	U	1

Certificate of Analytical Results

599078

ARCADIS, Midland, TX

Chevron N. Eunice

Sample Id: **MW015A-W-180913** Matrix: Water Sample Depth:

Lab Sample Id: 599078-009 Date Collected: 09.13.18 12.49 Date Received: 09.13.18 19.00

Analytical Method: TDS by SM2540C Prep Method:

Analyst: OJS % Moist: Tech: OJS

Seq Number: 3063565 Date Prep:

Prep seq:

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Total Dissolved Solids	1642222	**9850**	5.00	5.00	mg/L	09.15.18 12:00		1

Analytical Method: Chloride by EPA 300 Prep Method: E300P

Analyst: SCM % Moist: Tech: CHE

Seq Number: 3063721 Date Prep: 09.18.18 13.15

Prep seq: 7662536

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Chloride	16887-00-6	**5950**	25.0	4.29	mg/L	09.18.18 20:29		50

Analytical Method: Dissolved Metals by SW6020A Prep Method: 3010A

Analyst: DEP % Moist: Tech: AHI

Seq Number: 3063675 Date Prep: 09.18.18 09.00

Subcontractor: SUB: TX104704215-18-27 Prep seq: 7662476

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Arsenic	7440-38-2	**0.00882**	0.0200	0.00123	mg/L	09.19.18 17:39	J	5
Barium	7440-39-3	**0.202**	0.0200	0.00242	mg/L	09.19.18 17:39		5
Chromium	7440-47-3	**0.00534**	0.0200	0.00262	mg/L	09.19.18 17:39	J	5

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

Analyst: OJS % Moist: Tech: OJS

Seq Number: 3063189 Date Prep:

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	09.14.18 07:20	U	1

Certificate of Analytical Results

599078

ARCADIS, Midland, TX

Chevron N. Eunice

Sample Id: **MW026-W-180913** Matrix: Water Sample Depth:

Lab Sample Id: 599078-010 Date Collected: 09.13.18 12.39 Date Received: 09.13.18 19.00

Analytical Method: TDS by SM2540C Prep Method:

Analyst: OJS % Moist: Tech: OJS

Seq Number: 3063565 Date Prep:

Prep seq:

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Total Dissolved Solids	1642222	**860**	5.00	5.00	mg/L	09.15.18 12:00		1

Analytical Method: Chloride by EPA 300 Prep Method: E300P

Analyst: SCM % Moist: Tech: CHE

Seq Number: 3063721 Date Prep: 09.18.18 13.15

Prep seq: 7662536

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Chloride	16887-00-6	**129**	2.50	0.429	mg/L	09.18.18 21:11		5

Analytical Method: Dissolved Metals by SW6020A Prep Method: 3010A

Analyst: DEP % Moist: Tech: AHI

Seq Number: 3063675 Date Prep: 09.18.18 09.00

Subcontractor: SUB: TX104704215-18-27 Prep seq: 7662476

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Arsenic	7440-38-2	**0.00774**	0.0200	0.00123	mg/L	09.19.18 17:42	J	5
Barium	7440-39-3	**0.0532**	0.0200	0.00242	mg/L	09.19.18 17:42		5
Chromium	7440-47-3	<0.00262	0.0200	0.00262	mg/L	09.19.18 17:42	U	5

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

Analyst: OJS % Moist: Tech: OJS

Seq Number: 3063189 Date Prep:

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	09.14.18 07:20	U	1

Certificate of Analytical Results

599078

ARCADIS, Midland, TX

Chevron N. Eunice

Sample Id: **MW027-W-180913** Matrix: Water Sample Depth:

Lab Sample Id: 599078-011 Date Collected: 09.13.18 12.28 Date Received: 09.13.18 19.00

Analytical Method: TDS by SM2540C Prep Method:

Analyst: OJS % Moist: Tech: OJS

Seq Number: 3063565 Date Prep:

Prep seq:

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Total Dissolved Solids	1642222	**1600**	5.00	5.00	mg/L	09.15.18 12:00		1

Analytical Method: Chloride by EPA 300 Prep Method: E300P

Analyst: SCM % Moist: Tech: CHE

Seq Number: 3063721 Date Prep: 09.18.18 13.15

Prep seq: 7662536

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Chloride	16887-00-6	**355**	5.00	0.858	mg/L	09.18.18 21:21		10

Analytical Method: Dissolved Metals by SW6020A Prep Method: 3010A

Analyst: DEP % Moist: Tech: AHI

Seq Number: 3063675 Date Prep: 09.18.18 09.00

Subcontractor: SUB: TX104704215-18-27 Prep seq: 7662476

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Arsenic	7440-38-2	**0.00682**	0.0200	0.00123	mg/L	09.19.18 17:45	J	5
Barium	7440-39-3	**0.0393**	0.0200	0.00242	mg/L	09.19.18 17:45		5
Chromium	7440-47-3	<0.00262	0.0200	0.00262	mg/L	09.19.18 17:45	U	5

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

Analyst: OJS % Moist: Tech: OJS

Seq Number: 3063195 Date Prep:

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	09.14.18 08:15	U	1

Certificate of Analytical Results

599078

ARCADIS, Midland, TX

Chevron N. Eunice

Sample Id: **MW032-W-180913** Matrix: Water Sample Depth:

Lab Sample Id: 599078-012 Date Collected: 09.13.18 12.19 Date Received: 09.13.18 19.00

Analytical Method: TDS by SM2540C Prep Method:

Analyst: OJS % Moist: Tech: OJS

Seq Number: 3063565 Date Prep:

Prep seq:

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Total Dissolved Solids	1642222	**1190**	5.00	5.00	mg/L	09.15.18 12:00		1

Analytical Method: Chloride by EPA 300 Prep Method: E300P

Analyst: SCM % Moist: Tech: CHE

Seq Number: 3063721 Date Prep: 09.18.18 13.15

Prep seq: 7662536

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Chloride	16887-00-6	**309**	5.00	0.858	mg/L	09.18.18 21:52		10

Analytical Method: Dissolved Metals by SW6020A Prep Method: 3010A

Analyst: DEP % Moist: Tech: AHI

Seq Number: 3063675 Date Prep: 09.18.18 09.00

Subcontractor: SUB: TX104704215-18-27 Prep seq: 7662476

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Arsenic	7440-38-2	**0.00389**	0.0200	0.00123	mg/L	09.19.18 17:58	J	5
Barium	7440-39-3	**0.0728**	0.0200	0.00242	mg/L	09.19.18 17:58		5
Chromium	7440-47-3	<0.00262	0.0200	0.00262	mg/L	09.19.18 17:58	U	5

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

Analyst: OJS % Moist: Tech: OJS

Seq Number: 3063195 Date Prep:

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	09.14.18 08:15	U	1

Certificate of Analytical Results

599078

ARCADIS, Midland, TX

Chevron N. Eunice

Sample Id: **MW068-W-180913** Matrix: Water Sample Depth:

Lab Sample Id: 599078-013 Date Collected: 09.13.18 11.44 Date Received: 09.13.18 19.00

Analytical Method: TDS by SM2540C Prep Method:

Analyst: OJS % Moist: Tech: OJS

Seq Number: 3063565 Date Prep:

Prep seq:

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Total Dissolved Solids	1642222	**18000**	5.00	5.00	mg/L	09.15.18 12:00		1

Analytical Method: Chloride by EPA 300 Prep Method: E300P

Analyst: SCM % Moist: Tech: CHE

Seq Number: 3063721 Date Prep: 09.18.18 13.15

Prep seq: 7662536

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Chloride	16887-00-6	**11700**	50.0	8.58	mg/L	09.18.18 22:03		100

Analytical Method: Dissolved Metals by SW6020A Prep Method: 3010A

Analyst: DEP % Moist: Tech: AHI

Seq Number: 3063675 Date Prep: 09.18.18 09.00

Subcontractor: SUB: TX104704215-18-27 Prep seq: 7662476

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Arsenic	7440-38-2	**0.0180**	0.0200	0.00123	mg/L	09.19.18 18:01	J	5
Barium	7440-39-3	**0.263**	0.0200	0.00242	mg/L	09.19.18 18:01		5
Chromium	7440-47-3	<0.00262	0.0200	0.00262	mg/L	09.19.18 18:01	U	5

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

Analyst: OJS % Moist: Tech: OJS

Seq Number: 3063195 Date Prep:

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	09.14.18 08:15	U	1

Certificate of Analytical Results
599078
ARCADIS, Midland, TX
Chevron N. Eunice

Sample Id: **MW061-W-180913** Matrix: Water Sample Depth:

Lab Sample Id: 599078-014 Date Collected: 09.13.18 11.32 Date Received: 09.13.18 19.00

Analytical Method: TDS by SM2540C Prep Method:

Analyst: OJS % Moist: Tech: OJS

Seq Number: 3063565 Date Prep:

Prep seq:

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Total Dissolved Solids	1642222	**3830**	5.00	5.00	mg/L	09.15.18 12:00		1

Analytical Method: Chloride by EPA 300 Prep Method: E300P

Analyst: SCM % Moist: Tech: CHE

Seq Number: 3063721 Date Prep: 09.18.18 13.15

Prep seq: 7662536

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Chloride	16887-00-6	**1060**	25.0	4.29	mg/L	09.18.18 22:13		50

Analytical Method: Dissolved Metals by SW6020A Prep Method: 3010A

Analyst: DEP % Moist: Tech: AHI

Seq Number: 3063675 Date Prep: 09.18.18 09.00

Subcontractor: SUB: TX104704215-18-27 Prep seq: 7662476

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Arsenic	7440-38-2	**0.0120**	0.0200	0.00123	mg/L	09.19.18 18:04	J	5
Barium	7440-39-3	**0.0310**	0.0200	0.00242	mg/L	09.19.18 18:04		5
Chromium	7440-47-3	**1.56**	0.0200	0.00262	mg/L	09.19.18 18:04		5

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

Analyst: OJS % Moist: Tech: OJS

Seq Number: 3063195 Date Prep:

Prep seq:

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Chromium, Hexavalent	18540-29-9	**1.44**	0.0500	0.0136	mg/L	09.14.18 08:15		5

Certificate of Analytical Results

599078

ARCADIS, Midland, TX

Chevron N. Eunice

Sample Id: **MW095-W-180913** Matrix: Water Sample Depth:

Lab Sample Id: 599078-015 Date Collected: 09.13.18 11.17 Date Received: 09.13.18 19.00

Analytical Method: TDS by SM2540C Prep Method:

Analyst: OJS % Moist: Tech: OJS

Seq Number: 3063565 Date Prep:

Prep seq:

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Total Dissolved Solids	1642222	**3650**	5.00	5.00	mg/L	09.15.18 12:00		1

Analytical Method: Chloride by EPA 300 Prep Method: E300P

Analyst: SCM % Moist: Tech: CHE

Seq Number: 3063721 Date Prep: 09.18.18 13.15

Prep seq: 7662536

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Chloride	16887-00-6	**1380**	25.0	4.29	mg/L	09.18.18 22:23		50

Analytical Method: Dissolved Metals by SW6020A Prep Method: 3010A

Analyst: DEP % Moist: Tech: AHI

Seq Number: 3063675 Date Prep: 09.18.18 09.00

Subcontractor: SUB: TX104704215-18-27 Prep seq: 7662476

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Arsenic	7440-38-2	**0.00984**	0.0200	0.00123	mg/L	09.19.18 18:08	J	5
Barium	7440-39-3	**0.0415**	0.0200	0.00242	mg/L	09.19.18 18:08		5
Chromium	7440-47-3	**3.93**	0.0200	0.00262	mg/L	09.19.18 18:08		5

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

Analyst: OJS % Moist: Tech: OJS

Seq Number: 3063195 Date Prep:

Prep seq:

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Chromium, Hexavalent	18540-29-9	**3.62**	0.200	0.0545	mg/L	09.14.18 08:15		20

Certificate of Analytical Results
599078
ARCADIS, Midland, TX
Chevron N. Eunice

Sample Id: **MW030-W-180913** Matrix: Water Sample Depth:

Lab Sample Id: 599078-016 Date Collected: 09.13.18 09.58 Date Received: 09.13.18 19.00

Analytical Method: TDS by SM2540C Prep Method:

Analyst: OJS % Moist: Tech: OJS

Seq Number: 3063565 Date Prep:

Prep seq:

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Total Dissolved Solids	1642222	**726**	5.00	5.00	mg/L	09.15.18 12:00		1

Analytical Method: Chloride by EPA 300 Prep Method: E300P

Analyst: SCM % Moist: Tech: CHE

Seq Number: 3063721 Date Prep: 09.18.18 13.15

Prep seq: 7662536

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Chloride	16887-00-6	**245**	2.50	0.429	mg/L	09.18.18 22:34		5

Analytical Method: Dissolved Metals by SW6020A Prep Method: 3010A

Analyst: DEP % Moist: Tech: AHI

Seq Number: 3063675 Date Prep: 09.18.18 09.00

Subcontractor: SUB: TX104704215-18-27 Prep seq: 7662476

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Arsenic	7440-38-2	**0.0189**	0.0200	0.00123	mg/L	09.19.18 18:11	J	5
Barium	7440-39-3	**0.0635**	0.0200	0.00242	mg/L	09.19.18 18:11		5
Chromium	7440-47-3	<0.00262	0.0200	0.00262	mg/L	09.19.18 18:11	U	5

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

Analyst: OJS % Moist: Tech: OJS

Seq Number: 3063195 Date Prep:

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	09.14.18 08:15	U	1

Certificate of Analytical Results

599078

ARCADIS, Midland, TX

Chevron N. Eunice

Sample Id: **MW031-W-180913** Matrix: Water Sample Depth:

Lab Sample Id: 599078-017 Date Collected: 09.13.18 10.30 Date Received: 09.13.18 19.00

Analytical Method: TDS by SM2540C Prep Method:

Analyst: OJS % Moist: Tech: OJS

Seq Number: 3063565 Date Prep:

Prep seq:

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Total Dissolved Solids	1642222	**832**	5.00	5.00	mg/L	09.15.18 12:00		1

Analytical Method: Chloride by EPA 300 Prep Method: E300P

Analyst: SCM % Moist: Tech: CHE

Seq Number: 3063721 Date Prep: 09.18.18 13.15

Prep seq: 7662536

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Chloride	16887-00-6	**233**	5.00	0.858	mg/L	09.18.18 22:44		10

Analytical Method: Dissolved Metals by SW6020A Prep Method: 3010A

Analyst: DEP % Moist: Tech: AHI

Seq Number: 3063675 Date Prep: 09.18.18 09.00

Subcontractor: SUB: TX104704215-18-27 Prep seq: 7662476

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Arsenic	7440-38-2	**0.102**	0.0200	0.00123	mg/L	09.19.18 18:14		5
Barium	7440-39-3	**0.106**	0.0200	0.00242	mg/L	09.19.18 18:14		5
Chromium	7440-47-3	<0.00262	0.0200	0.00262	mg/L	09.19.18 18:14	U	5

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

Analyst: OJS % Moist: Tech: OJS

Seq Number: 3063195 Date Prep:

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	09.14.18 08:15	U	1

Certificate of Analytical Results

599078

ARCADIS, Midland, TX

Chevron N. Eunice

Sample Id: **MW060-W-180913** Matrix: Water Sample Depth:

Lab Sample Id: 599078-018 Date Collected: 09.13.18 11.03 Date Received: 09.13.18 19.00

Analytical Method: TDS by SM2540C Prep Method:

Analyst: OJS % Moist: Tech: OJS

Seq Number: 3063565 Date Prep:

Prep seq:

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Total Dissolved Solids	1642222	**3470**	5.00	5.00	mg/L	09.15.18 12:00		1

Analytical Method: Chloride by EPA 300 Prep Method: E300P

Analyst: SCM % Moist: Tech: CHE

Seq Number: 3063721 Date Prep: 09.18.18 13.15

Prep seq: 7662536

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Chloride	16887-00-6	**1560**	25.0	4.29	mg/L	09.18.18 22:54		50

Analytical Method: Dissolved Metals by SW6020A Prep Method: 3010A

Analyst: DEP % Moist: Tech: AHI

Seq Number: 3063675 Date Prep: 09.18.18 09.00

Subcontractor: SUB: TX104704215-18-27 Prep seq: 7662476

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Arsenic	7440-38-2	**0.00342**	0.0200	0.00123	mg/L	09.19.18 18:17	J	5
Barium	7440-39-3	**0.0535**	0.0200	0.00242	mg/L	09.19.18 18:17		5
Chromium	7440-47-3	<0.00262	0.0200	0.00262	mg/L	09.19.18 18:17	U	5

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

Analyst: OJS % Moist: Tech: OJS

Seq Number: 3063195 Date Prep:

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	09.14.18 08:15	U	1

Certificate of Analytical Results

599078

ARCADIS, Midland, TX

Chevron N. Eunice

Sample Id: **MW059-W-180913** Matrix: Water Sample Depth:

Lab Sample Id: 599078-019 Date Collected: 09.13.18 10.10 Date Received: 09.13.18 19.00

Analytical Method: TDS by SM2540C Prep Method:

Analyst: OJS % Moist: Tech: OJS

Seq Number: 3063565 Date Prep:

Prep seq:

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Total Dissolved Solids	1642222	**3070**	5.00	5.00	mg/L	09.15.18 12:00		1

Analytical Method: Chloride by EPA 300 Prep Method: E300P

Analyst: SCM % Moist: Tech: SCM

Seq Number: 3063723 Date Prep: 09.18.18 15.00

Prep seq: 7662538

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Chloride	16887-00-6	**904**	25.0	4.29	mg/L	09.19.18 00:27		50

Analytical Method: Dissolved Metals by SW6020A Prep Method: 3010A

Analyst: DEP % Moist: Tech: AHI

Seq Number: 3063675 Date Prep: 09.18.18 09.00

Subcontractor: SUB: TX104704215-18-27 Prep seq: 7662476

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Arsenic	7440-38-2	**0.0141**	0.0200	0.00123	mg/L	09.19.18 18:20	J	5
Barium	7440-39-3	**0.0330**	0.0200	0.00242	mg/L	09.19.18 18:20		5
Chromium	7440-47-3	**0.556**	0.0200	0.00262	mg/L	09.19.18 18:20		5

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

Analyst: OJS % Moist: Tech: OJS

Seq Number: 3063195 Date Prep:

Prep seq:

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Chromium, Hexavalent	18540-29-9	**0.469**	0.0500	0.0136	mg/L	09.14.18 08:15		5

Certificate of Analytical Results

599078

ARCADIS, Midland, TX

Chevron N. Eunice

Sample Id: **MW069-W-180913** Matrix: Water Sample Depth:

Lab Sample Id: 599078-020 Date Collected: 09.13.18 10.41 Date Received: 09.13.18 19.00

Analytical Method: TDS by SM2540C Prep Method:

Analyst: OJS % Moist: Tech: OJS

Seq Number: 3063565 Date Prep:

Prep seq:

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Total Dissolved Solids	1642222	**1990**	5.00	5.00	mg/L	09.15.18 12:00		1

Analytical Method: Chloride by EPA 300 Prep Method: E300P

Analyst: SCM % Moist: Tech: SCM

Seq Number: 3063723 Date Prep: 09.18.18 15.00

Prep seq: 7662538

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Chloride	16887-00-6	**804**	10.0	1.72	mg/L	09.19.18 00:38		20

Analytical Method: Dissolved Metals by SW6020A Prep Method: 3010A

Analyst: DEP % Moist: Tech: AHI

Seq Number: 3063644 Date Prep: 09.18.18 09.00

Subcontractor: SUB: TX104704215-18-27 Prep seq: 7662477

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Arsenic	7440-38-2	**0.0149**	0.00400	0.000246	mg/L	09.18.18 18:26		1
Barium	7440-39-3	**0.101**	0.00400	0.000484	mg/L	09.18.18 18:26		1
Chromium	7440-47-3	<0.000525	0.00400	0.000525	mg/L	09.18.18 18:26	U	1

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

Analyst: OJS % Moist: Tech: OJS

Seq Number: 3063196 Date Prep:

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	09.14.18 09:00	U	1

Certificate of Analytical Results

599078

ARCADIS, Midland, TX

Chevron N. Eunice

Sample Id: **MW023-W-180913** Matrix: Water Sample Depth:

Lab Sample Id: 599078-021 Date Collected: 09.13.18 10.20 Date Received: 09.13.18 19.00

Analytical Method: TDS by SM2540C Prep Method:

Analyst: OJS % Moist: Tech: OJS

Seq Number: 3063679 Date Prep:

Prep seq:

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Total Dissolved Solids	1642222	**3160**	5.00	5.00	mg/L	09.17.18 16:00		1

Analytical Method: Chloride by EPA 300 Prep Method: E300P

Analyst: SCM % Moist: Tech: SCM

Seq Number: 3063723 Date Prep: 09.18.18 15.00

Prep seq: 7662538

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Chloride	16887-00-6	**785**	25.0	4.29	mg/L	09.19.18 00:48		50

Analytical Method: Dissolved Metals by SW6020A Prep Method: 3010A

Analyst: DEP % Moist: Tech: AHI

Seq Number: 3063644 Date Prep: 09.18.18 09.00

Subcontractor: SUB: TX104704215-18-27 Prep seq: 7662477

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Arsenic	7440-38-2	**0.00933**	0.00400	0.000246	mg/L	09.18.18 18:54		1
Barium	7440-39-3	**0.0197**	0.00400	0.000484	mg/L	09.18.18 18:54		1
Chromium	7440-47-3	**1.72**	0.00400	0.000525	mg/L	09.18.18 18:54		1

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

Analyst: OJS % Moist: Tech: OJS

Seq Number: 3063195 Date Prep:

Prep seq:

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Chromium, Hexavalent	18540-29-9	**1.43**	0.0500	0.0136	mg/L	09.14.18 08:15		5

Certificate of Analytical Results

599078

ARCADIS, Midland, TX

Chevron N. Eunice

Sample Id: **3063189-1-BLK** Matrix: Water Sample Depth:

Lab Sample Id: 3063189-1-BLK Date Collected: Date Received:

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

Analyst: OJS % Moist: Tech: OJS

Seq Number: 3063189 Date Prep:

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	09.14.18 07:20	U	1

Sample Id: **3063195-1-BLK** Matrix: Water Sample Depth:

Lab Sample Id: 3063195-1-BLK Date Collected: Date Received:

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

Analyst: OJS % Moist: Tech: OJS

Seq Number: 3063195 Date Prep:

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	09.14.18 08:15	U	1

Sample Id: **3063196-1-BLK** Matrix: Water Sample Depth:

Lab Sample Id: 3063196-1-BLK Date Collected: Date Received:

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

Analyst: OJS % Moist: Tech: OJS

Seq Number: 3063196 Date Prep:

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	09.14.18 09:00	U	1

Sample Id: **3063565-1-BLK** Matrix: Water Sample Depth:

Lab Sample Id: 3063565-1-BLK Date Collected: Date Received:

Analytical Method: TDS by SM2540C Prep Method:

Analyst: OJS % Moist: Tech: OJS

Seq Number: 3063565 Date Prep:

Prep seq:

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Total Dissolved Solids	1642222	<5.00	5.00	5.00	mg/L	09.15.18 12:00	U	1

Certificate of Analytical Results

599078

ARCADIS, Midland, TX

Chevron N. Eunice

Sample Id: **3063679-1-BLK** Matrix: Water Sample Depth:

Lab Sample Id: 3063679-1-BLK Date Collected: Date Received:

Analytical Method: TDS by SM2540C Prep Method:

Analyst: OJS % Moist: Tech: OJS

Seq Number: 3063679 Date Prep:

Prep seq:

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Total Dissolved Solids	1642222	<5.00	5.00	5.00	mg/L	09.17.18 16:00	U	1

Sample Id: **7662384-1-BLK** Matrix: Water Sample Depth:

Lab Sample Id: 7662384-1-BLK Date Collected: Date Received:

Analytical Method: Dissolved Metals by SW6020A Prep Method: 3010A

Analyst: DEP % Moist: Tech: AHI

Seq Number: 3063648 Date Prep: 09.17.18 10.20

Subcontractor: SUB: TX104704215-18-27 Prep seq: 7662384

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Arsenic	7440-38-2	<0.000246	0.00400	0.000246	mg/L	09.18.18 13:48	U	1
Barium	7440-39-3	<0.000484	0.00400	0.000484	mg/L	09.18.18 13:48	U	1
Chromium	7440-47-3	<0.000525	0.00400	0.000525	mg/L	09.18.18 13:48	U	1

Sample Id: **7662476-1-BLK** Matrix: Water Sample Depth:

Lab Sample Id: 7662476-1-BLK Date Collected: Date Received:

Analytical Method: Dissolved Metals by SW6020A Prep Method: 3010A

Analyst: DEP % Moist: Tech: AHI

Seq Number: 3063675 Date Prep: 09.18.18 09.00

Subcontractor: SUB: TX104704215-18-27 Prep seq: 7662476

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Arsenic	7440-38-2	<0.000246	0.00400	0.000246	mg/L	09.18.18 19:52	U	1
Barium	7440-39-3	<0.000484	0.00400	0.000484	mg/L	09.18.18 19:52	U	1
Chromium	7440-47-3	<0.000525	0.00400	0.000525	mg/L	09.18.18 19:52	U	1

Certificate of Analytical Results

599078

ARCADIS, Midland, TX

Chevron N. Eunice

Sample Id: **7662477-1-BLK** Matrix: Water Sample Depth:

Lab Sample Id: 7662477-1-BLK Date Collected: Date Received:

Analytical Method: Dissolved Metals by SW6020A Prep Method: 3010A

Analyst: DEP % Moist: Tech: AHI

Seq Number: 3063644 Date Prep: 09.18.18 09.00

Subcontractor: SUB: TX104704215-18-27 Prep seq: 7662477

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Arsenic	7440-38-2	<0.000246	0.00400	0.000246	mg/L	09.18.18 18:13	U	1
Barium	7440-39-3	<0.000484	0.00400	0.000484	mg/L	09.18.18 18:13	U	1
Chromium	7440-47-3	<0.000525	0.00400	0.000525	mg/L	09.18.18 18:13	U	1

Sample Id: **7662536-1-BLK** Matrix: Water Sample Depth:

Lab Sample Id: 7662536-1-BLK Date Collected: Date Received:

Analytical Method: Chloride by EPA 300 Prep Method: E300P

Analyst: SCM % Moist: Tech: CHE

Seq Number: 3063721 Date Prep: 09.18.18 13.15

Prep seq: 7662536

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Chloride	16887-00-6	<0.0858	0.500	0.0858	mg/L	09.18.18 17:44	U	1
Nitrate as N	14797-55-8	<0.0157	0.100	0.0157	mg/L	09.18.18 17:44	U	1
Nitrite as N	14797-65-0	<0.0159	0.100	0.0159	mg/L	09.18.18 17:44	U	1

Sample Id: **7662538-1-BLK** Matrix: Water Sample Depth:

Lab Sample Id: 7662538-1-BLK Date Collected: Date Received:

Analytical Method: Chloride by EPA 300 Prep Method: E300P

Analyst: SCM % Moist: Tech: SCM

Seq Number: 3063723 Date Prep: 09.18.18 15.00

Prep seq: 7662538

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Chloride	16887-00-6	<0.0858	0.500	0.0858	mg/L	09.18.18 23:25	U	1

CHRONOLOGY OF HOLDING TIMES

Analytical Method : Chloride by EPA 300
Work Order #: **599078**
Date Received: 09/13/18

Client : ARCADIS
Project ID: B0048789.0004

Field Sample ID	Lab Sample ID	Date Collected	Date Extracted	Max Holding Time Extracted (Days)	Time Held Extracted (Days)	Date Analyzed	Max Holding Time Analyzed (Days)	Time Held Analyzed (Days)	Q
MW088M-W-180913	599078-001	09/13/18				09/18/18	28	5	P
MW013-W-180913	599078-002	09/13/18				09/18/18	28	5	P
MW040A-W-180913	599078-003	09/13/18				09/18/18	28	5	P
MW010-W-180913	599078-004	09/13/18				09/18/18	28	5	P
MW019A-W-180913	599078-005	09/13/18				09/18/18	28	5	P
MW018-W-180913	599078-006	09/13/18				09/18/18	28	5	P
MW020A-W-180913	599078-007	09/13/18				09/18/18	28	5	P
MW099-W-180913	599078-008	09/13/18				09/18/18	28	5	P
MW015A-W-180913	599078-009	09/13/18				09/18/18	28	5	P
MW026-W-180913	599078-010	09/13/18				09/18/18	28	5	P
MW027-W-180913	599078-011	09/13/18				09/18/18	28	5	P
MW032-W-180913	599078-012	09/13/18				09/18/18	28	5	P
MW068-W-180913	599078-013	09/13/18				09/18/18	28	5	P
MW061-W-180913	599078-014	09/13/18				09/18/18	28	5	P
MW095-W-180913	599078-015	09/13/18				09/18/18	28	5	P
MW030-W-180913	599078-016	09/13/18				09/18/18	28	5	P
MW031-W-180913	599078-017	09/13/18				09/18/18	28	5	P
MW060-W-180913	599078-018	09/13/18				09/18/18	28	5	P
MW059-W-180913	599078-019	09/13/18				09/19/18	28	6	P
MW069-W-180913	599078-020	09/13/18				09/19/18	28	6	P
MW023-W-180913	599078-021	09/13/18				09/19/18	28	6	P

XENCO LABORATORIES

CHRONOLOGY OF HOLDING TIMES

Analytical Method : TDS by SM2540C
Work Order #: **599078**
Date Received: 09/13/18

Client : ARCADIS
Project ID: B0048789.0004

Field Sample ID	Lab Sample ID	Date Collected	Date Extracted	Max Holding Time Extracted (Days)	Time Held Extracted (Days)	Date Analyzed	Max Holding Time Analyzed (Days)	Time Held Analyzed (Days)	Q
MW088M-W-180913	599078-001	09/13/18				09/15/18	7	2	P
MW013-W-180913	599078-002	09/13/18				09/15/18	7	2	P
MW040A-W-180913	599078-003	09/13/18				09/15/18	7	2	P
MW010-W-180913	599078-004	09/13/18				09/15/18	7	2	P
MW019A-W-180913	599078-005	09/13/18				09/15/18	7	2	P
MW018-W-180913	599078-006	09/13/18				09/15/18	7	2	P
MW020A-W-180913	599078-007	09/13/18				09/15/18	7	2	P
MW099-W-180913	599078-008	09/13/18				09/15/18	7	2	P
MW015A-W-180913	599078-009	09/13/18				09/15/18	7	2	P
MW026-W-180913	599078-010	09/13/18				09/15/18	7	2	P
MW027-W-180913	599078-011	09/13/18				09/15/18	7	2	P
MW032-W-180913	599078-012	09/13/18				09/15/18	7	2	P
MW068-W-180913	599078-013	09/13/18				09/15/18	7	2	P
MW061-W-180913	599078-014	09/13/18				09/15/18	7	2	P
MW095-W-180913	599078-015	09/13/18				09/15/18	7	2	P
MW030-W-180913	599078-016	09/13/18				09/15/18	7	2	P
MW031-W-180913	599078-017	09/13/18				09/15/18	7	2	P
MW060-W-180913	599078-018	09/13/18				09/15/18	7	2	P
MW059-W-180913	599078-019	09/13/18				09/15/18	7	2	P
MW069-W-180913	599078-020	09/13/18				09/15/18	7	2	P
MW023-W-180913	599078-021	09/13/18				09/17/18	7	4	P

CHRONOLOGY OF HOLDING TIMES

Analytical Method : Dissolved Metals by SW6020A
Client : ARCADIS
Work Order #: **599078**
Project ID: B0048789.0004
Date Received: 09/13/18

Field Sample ID	Lab Sample ID	Date Collected	Date Extracted	Max Holding Time Extracted (Days)	Time Held Extracted (Days)	Date Analyzed	Max Holding Time Analyzed (Days)	Time Held Analyzed (Days)	Q
MW088M-W-180913	599078-001	09/13/18	09/17/18	180	4	09/18/18	180	1	P
MW013-W-180913	599078-002	09/13/18	09/17/18	180	4	09/18/18	180	1	P
MW040A-W-180913	599078-003	09/13/18	09/18/18	180	5	09/19/18	180	1	P
MW010-W-180913	599078-004	09/13/18	09/18/18	180	5	09/19/18	180	1	P
MW019A-W-180913	599078-005	09/13/18	09/18/18	180	5	09/19/18	180	1	P
MW018-W-180913	599078-006	09/13/18	09/18/18	180	5	09/19/18	180	1	P
MW020A-W-180913	599078-007	09/13/18	09/18/18	180	5	09/19/18	180	1	P
MW099-W-180913	599078-008	09/13/18	09/18/18	180	5	09/19/18	180	1	P
MW015A-W-180913	599078-009	09/13/18	09/18/18	180	5	09/19/18	180	1	P
MW026-W-180913	599078-010	09/13/18	09/18/18	180	5	09/19/18	180	1	P
MW027-W-180913	599078-011	09/13/18	09/18/18	180	5	09/19/18	180	1	P
MW032-W-180913	599078-012	09/13/18	09/18/18	180	5	09/19/18	180	1	P
MW068-W-180913	599078-013	09/13/18	09/18/18	180	5	09/19/18	180	1	P
MW061-W-180913	599078-014	09/13/18	09/18/18	180	5	09/19/18	180	1	P
MW095-W-180913	599078-015	09/13/18	09/18/18	180	5	09/19/18	180	1	P
MW030-W-180913	599078-016	09/13/18	09/18/18	180	5	09/19/18	180	1	P
MW031-W-180913	599078-017	09/13/18	09/18/18	180	5	09/19/18	180	1	P
MW060-W-180913	599078-018	09/13/18	09/18/18	180	5	09/19/18	180	1	P
MW059-W-180913	599078-019	09/13/18	09/18/18	180	5	09/19/18	180	1	P
MW069-W-180913	599078-020	09/13/18	09/18/18	180	5	09/18/18	180	0	P
MW023-W-180913	599078-021	09/13/18	09/18/18	180	5	09/18/18	180	0	P

XENCO LABORATORIES

CHRONOLOGY OF HOLDING TIMES

Analytical Method : Chromium, Hexavalent by SW 7196A
Client : ARCADIS
Work Order #: **599078**
Project ID: B0048789.0004
Date Received: 09/13/18

Field Sample ID	Lab Sample ID	Date Collected	Date Extracted	Max Holding Time Extracted (Hour)	Time Held Extracted (Hour)	Date Analyzed	Max Holding Time Analyzed (Hour)	Time Held Analyzed (Hour)	Q
MW088M-W-180913	599078-001	09/13/18				09/14/18	24	17	P
MW013-W-180913	599078-002	09/13/18				09/14/18	24	17	P
MW040A-W-180913	599078-003	09/13/18				09/14/18	24	17	P
MW010-W-180913	599078-004	09/13/18				09/14/18	24	17	P
MW019A-W-180913	599078-005	09/13/18				09/14/18	24	17	P
MW018-W-180913	599078-006	09/13/18				09/14/18	24	18	P
MW020A-W-180913	599078-007	09/13/18				09/14/18	24	17	P
MW099-W-180913	599078-008	09/13/18				09/14/18	24	18	P
MW015A-W-180913	599078-009	09/13/18				09/14/18	24	19	P
MW026-W-180913	599078-010	09/13/18				09/14/18	24	19	P
MW027-W-180913	599078-011	09/13/18				09/14/18	24	20	P
MW032-W-180913	599078-012	09/13/18				09/14/18	24	20	P
MW068-W-180913	599078-013	09/13/18				09/14/18	24	21	P
MW061-W-180913	599078-014	09/13/18				09/14/18	24	21	P
MW095-W-180913	599078-015	09/13/18				09/14/18	24	21	P
MW030-W-180913	599078-016	09/13/18				09/14/18	24	22	P
MW031-W-180913	599078-017	09/13/18				09/14/18	24	22	P
MW060-W-180913	599078-018	09/13/18				09/14/18	24	21	P
MW059-W-180913	599078-019	09/13/18				09/14/18	24	22	P
MW069-W-180913	599078-020	09/13/18				09/14/18	24	22	P
MW023-W-180913	599078-021	09/13/18				09/14/18	24	22	P

F = These samples were analyzed outside the recommended holding time.
P = Samples analyzed within the recommended holding time.

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.

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

Analytical Log

Analytical Method:	Chromium, Hexavalent by SW 7196A	Batch #:	3063189
Project Name:	Chevron N. Eunice	Project ID:	B0048789.0004
Client Name:	ARCADIS	WO Number:	599078

Client Sample Id	Lab Sample Id	QC Types
MW010-W-180913	599078-004	SMP
MW013-W-180913	599078-002	SMP
MW015A-W-180913	599078-009	SMP
MW018-W-180913	599078-006	SMP
MW019A-W-180913	599078-005	SMP
MW020A-W-180913	599078-007	SMP
MW026-W-180913	599078-010	SMP
MW040A-W-180913	599078-003	SMP
MW088M-W-180913	599078-001	SMP
MW099-W-180913	599078-008	SMP
	3063189-1-BKS	BKS
	3063189-1-BLK	BLK
	3063189-1-BSD	BSD
	599078-003 S	MS
	599078-003 SD	MSD

Version: 1.014

Analytical Log

Analytical Method:	Chromium, Hexavalent by SW 7196A	Batch #:	3063195
Project Name:	Chevron N. Eunice	Project ID:	B0048789.0004
Client Name:	ARCADIS	WO Number:	599078

Client Sample Id	Lab Sample Id	QC Types
MW023-W-180913	599078-021	SMP
MW027-W-180913	599078-011	SMP
MW030-W-180913	599078-016	SMP
MW031-W-180913	599078-017	SMP
MW032-W-180913	599078-012	SMP
MW059-W-180913	599078-019	SMP
MW060-W-180913	599078-018	SMP
MW061-W-180913	599078-014	SMP
MW068-W-180913	599078-013	SMP
MW095-W-180913	599078-015	SMP
	3063195-1-BKS	BKS
	3063195-1-BLK	BLK
	3063195-1-BSD	BSD
	599078-016 S	MS
	599078-016 SD	MSD

Version: 1.014

Analytical Log

Analytical Method:	Chromium, Hexavalent by SW 7196A	Batch #:	3063196
Project Name:	Chevron N. Eunice	Project ID:	B0048789.0004
Client Name:	ARCADIS	WO Number:	599078

Client Sample Id	Lab Sample Id	QC Types
MW069-W-180913	599078-020	SMP
	3063196-1-BKS	BKS
	3063196-1-BLK	BLK
	3063196-1-BSD	BSD
	599078-020 S	MS
	599078-020 SD	MSD

Version: 1.014

Analytical Log

Analytical Method:	TDS by SM2540C	Batch #:	3063565
Project Name:	Chevron N. Eunice	Project ID:	B0048789.0004
Client Name:	ARCADIS	WO Number:	599078

Client Sample Id	Lab Sample Id	QC Types
MW010-W-180913	599078-004	SMP
MW013-W-180913	599078-002	SMP
MW015A-W-180913	599078-009	SMP
MW018-W-180913	599078-006	SMP
MW019A-W-180913	599078-005	SMP
MW020A-W-180913	599078-007	SMP
MW026-W-180913	599078-010	SMP
MW027-W-180913	599078-011	SMP
MW030-W-180913	599078-016	SMP
MW031-W-180913	599078-017	SMP
MW032-W-180913	599078-012	SMP
MW040A-W-180913	599078-003	SMP
MW059-W-180913	599078-019	SMP
MW060-W-180913	599078-018	SMP
MW061-W-180913	599078-014	SMP
MW068-W-180913	599078-013	SMP
MW069-W-180913	599078-020	SMP
MW088M-W-180913	599078-001	SMP
MW095-W-180913	599078-015	SMP
MW099-W-180913	599078-008	SMP
	3063565-1-BKS	BKS
	3063565-1-BLK	BLK
	3063565-1-BSD	BSD
	599078-001 D	MD
	599078-020 D	MD

Version: 1.014

Analytical Log

Analytical Method:	Dissolved Metals by SW6020A	Batch #:	3063644
Project Name:	Chevron N. Eunice	Project ID:	B0048789.0004
Client Name:	ARCADIS	WO Number:	599078

Client Sample Id	Lab Sample Id	QC Types
MW023-W-180913	599078-021	SMP
MW069-W-180913	599078-020	SMP
	599078-020 S	MS
	599078-020 SD	MSD
	599078-020 SDL	SDL
	7662477-1-BKS	BKS
	7662477-1-BLK	BLK
	7662477-1-BSD	BSD

Version: 1.014

Analytical Log

Analytical Method:	Dissolved Metals by SW6020A	Batch #:	3063648
Project Name:	Chevron N. Eunice	Project ID:	B0048789.0004
Client Name:	ARCADIS	WO Number:	599078

Client Sample Id	Lab Sample Id	QC Types
MW013-W-180913	599078-002	SMP
MW088M-W-180913	599078-001	SMP
	598788-014 S	MS
	598788-014 SD	MSD
	7662384-1-BKS	BKS
	7662384-1-BLK	BLK
	7662384-1-BSD	BSD

Version: 1.014

Analytical Log

Analytical Method:	Dissolved Metals by SW6020A	Batch #:	3063675
Project Name:	Chevron N. Eunice	Project ID:	B0048789.0004
Client Name:	ARCADIS	WO Number:	599078

Client Sample Id	Lab Sample Id	QC Types
MW010-W-180913	599078-004	SMP
MW015A-W-180913	599078-009	SMP
MW018-W-180913	599078-006	SMP
MW019A-W-180913	599078-005	SMP
MW020A-W-180913	599078-007	SMP
MW026-W-180913	599078-010	SMP
MW027-W-180913	599078-011	SMP
MW030-W-180913	599078-016	SMP
MW031-W-180913	599078-017	SMP
MW032-W-180913	599078-012	SMP
MW040A-W-180913	599078-003	SMP
MW059-W-180913	599078-019	SMP
MW060-W-180913	599078-018	SMP
MW061-W-180913	599078-014	SMP
MW068-W-180913	599078-013	SMP
MW095-W-180913	599078-015	SMP
MW099-W-180913	599078-008	SMP
	598921-022 S	MS
	598921-022 SD	MSD
	7662476-1-BKS	BKS
	7662476-1-BLK	BLK
	7662476-1-BSD	BSD

Version: 1.014

Analytical Log

Analytical Method:	TDS by SM2540C	Batch #:	3063679
Project Name:	Chevron N. Eunice	Project ID:	B0048789.0004
Client Name:	ARCADIS	WO Number:	599078

Client Sample Id	Lab Sample Id	QC Types
MW023-W-180913	599078-021	SMP
	3063679-1-BKS	BKS
	3063679-1-BLK	BLK
	3063679-1-BSD	BSD
	599078-021 D	MD
	599188-001 D	MD

Version: 1.014

Analytical Log

Analytical Method:	Chloride by EPA 300	Batch #:	3063721
Project Name:	Chevron N. Eunice	Project ID:	B0048789.0004
Client Name:	ARCADIS	WO Number:	599078

Client Sample Id	Lab Sample Id	QC Types
MW010-W-180913	599078-004	SMP
MW013-W-180913	599078-002	SMP
MW015A-W-180913	599078-009	SMP
MW018-W-180913	599078-006	SMP
MW019A-W-180913	599078-005	SMP
MW020A-W-180913	599078-007	SMP
MW026-W-180913	599078-010	SMP
MW027-W-180913	599078-011	SMP
MW030-W-180913	599078-016	SMP
MW031-W-180913	599078-017	SMP
MW032-W-180913	599078-012	SMP
MW040A-W-180913	599078-003	SMP
MW060-W-180913	599078-018	SMP
MW061-W-180913	599078-014	SMP
MW068-W-180913	599078-013	SMP
MW088M-W-180913	599078-001	SMP
MW095-W-180913	599078-015	SMP
MW099-W-180913	599078-008	SMP
	599335-001 S	MS
	599335-001 SD	MSD
	599336-001 S	MS
	599336-001 SD	MSD
	7662536-1-BKS	BKS
	7662536-1-BLK	BLK
	7662536-1-BSD	BSD

Version: 1.014

Analytical Log

Analytical Method:	Chloride by EPA 300	Batch #:	3063723
Project Name:	Chevron N. Eunice	Project ID:	B0048789.0004
Client Name:	ARCADIS	WO Number:	599078

Client Sample Id	Lab Sample Id	QC Types
MW023-W-180913	599078-021	SMP
MW059-W-180913	599078-019	SMP
MW069-W-180913	599078-020	SMP
	599196-003 S	MS
	599196-003 SD	MSD
	599337-001 S	MS
	599337-001 SD	MSD
	7662538-1-BKS	BKS
	7662538-1-BLK	BLK
	7662538-1-BSD	BSD

Version: 1.014

BS / BSD Recoveries

Project Name: Chevron N. Eunice

Work Order #: 599078 **Project ID:** B0048789.0004

Analyst: SCM **Date Prepared:** 09/18/2018 **Date Analyzed:** 09/18/2018

Lab Batch ID: 3063721 **Sample:** 7662536-1-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	<0.0858	25.0	26.1	104	25.0	26.1	104	0	90-110	20	

Analyst: SCM **Date Prepared:** 09/18/2018 **Date Analyzed:** 09/18/2018

Lab Batch ID: 3063723 **Sample:** 7662538-1-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	<0.0858	25.0	26.2	105	25.0	26.1	104	0	90-110	20	

Analyst: OJS **Date Prepared:** 09/14/2018 **Date Analyzed:** 09/14/2018

Lab Batch ID: 3063189 **Sample:** 3063189-1-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	0.0399	100	0.0400	0.0402	101	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

Version: 1.%

BS / BSD Recoveries

Project Name: Chevron N. Eunice

Work Order #: 599078 **Project ID:** B0048789.0004

Analyst: OJS **Date Prepared:** 09/14/2018 **Date Analyzed:** 09/14/2018

Lab Batch ID: 3063195 **Sample:** 3063195-1-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	0.0399	100	0.0400	0.0402	101	1	85-115	20	

Analyst: OJS **Date Prepared:** 09/14/2018 **Date Analyzed:** 09/14/2018

Lab Batch ID: 3063196 **Sample:** 3063196-1-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	0.0399	100	0.0400	0.0402	101	1	85-115	20	

Analyst: DEP **Date Prepared:** 09/17/2018 **Date Analyzed:** 09/18/2018

Lab Batch ID: 3063648 **Sample:** 7662384-1-BKS **Batch #:** 1 **Matrix:** Water

Units: mg/L

BLANK /BLANK SPIKE / BLANK SPIKE DUPLICATE RECOVERY STUDY

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	0.102	102	2	80-120	20	
Barium	<0.000484	0.100	0.100	100	0.100	0.0993	99	1	80-120	20	
Chromium	<0.000525	0.100	0.101	101	0.100	0.0997	100	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

Version: 1.%

BS / BSD Recoveries

Project Name: Chevron N. Eunice

Work Order #: 599078 **Project ID:** B0048789.0004

Analyst: DEP **Date Prepared:** 09/18/2018 **Date Analyzed:** 09/18/2018

Lab Batch ID: 3063675 **Sample:** 7662476-1-BKS **Batch #:** 1 **Matrix:** Water

Units: mg/L

BLANK /BLANK SPIKE / BLANK SPIKE DUPLICATE RECOVERY STUDY

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	0.0983	98	0.100	0.0957	96	3	80-120	20	
Barium	<0.000484	0.100	0.0958	96	0.100	0.0976	98	2	80-120	20	
Chromium	<0.000525	0.100	0.0958	96	0.100	0.0977	98	2	80-120	20	

Analyst: DEP **Date Prepared:** 09/18/2018 **Date Analyzed:** 09/18/2018

Lab Batch ID: 3063644 **Sample:** 7662477-1-BKS **Batch #:** 1 **Matrix:** Water

Units: mg/L

BLANK /BLANK SPIKE / BLANK SPIKE DUPLICATE RECOVERY STUDY

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	0.100	100	1	80-120	20	
Barium	<0.000484	0.100	0.0992	99	0.100	0.0977	98	2	80-120	20	
Chromium	<0.000525	0.100	0.0991	99	0.100	0.0983	98	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

Version: 1.%

BS / BSD Recoveries

Project Name: Chevron N. Eunice

Work Order #: 599078 **Project ID:** B0048789.0004

Analyst: OJS **Date Prepared:** 09/15/2018 **Date Analyzed:** 09/15/2018

Lab Batch ID: 3063565 **Sample:** 3063565-1-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	<5.00	1000	973	97	1000	988	99	2	80-120	10	

Analyst: OJS **Date Prepared:** 09/17/2018 **Date Analyzed:** 09/17/2018

Lab Batch ID: 3063679 **Sample:** 3063679-1-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	<5.00	1000	962	96	1000	979	98	2	80-120	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

Version: 1.%

Form 3 - MS / MSD Recoveries

Project Name: Chevron N. Eunice

Work Order # : 599078 **Project ID:** B0048789.0004

Lab Batch ID: 3063721 **QC- Sample ID:** 599335-001 S **Batch #:** 1 **Matrix:** Drinking Water

Date Analyzed: 09/18/2018 **Date Prepared:** 09/18/2018 **Analyst:** SCM

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	4.78	25.0	30.5	103	25.0	30.5	103	0	90-110	20	

Lab Batch ID: 3063721 **QC- Sample ID:** 599336-001 S **Batch #:** 1 **Matrix:** Drinking Water

Date Analyzed: 09/18/2018 **Date Prepared:** 09/18/2018 **Analyst:** SCM

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	25.6	25.0	52.9	109	25.0	55.4	119	5	90-110	20	X

Lab Batch ID: 3063723 **QC- Sample ID:** 599196-003 S **Batch #:** 1 **Matrix:** Water

Date Analyzed: 09/19/2018 **Date Prepared:** 09/18/2018 **Analyst:** SCM

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	38.6	25.0	64.5	104	25.0	64.5	104	0	90-110	20	

Matrix Spike Percent Recovery [D] = 100*(C-A)/B

Matrix Spike Duplicate Percent Recovery [G] = 100*(F-A)/E

Relative Percent Difference RPD = 200*|(C-F)/(C+F)|

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.

Form 3 - MS / MSD Recoveries

Project Name: Chevron N. Eunice

Work Order # : 599078 **Project ID:** B0048789.0004

Lab Batch ID: 3063723 **QC- Sample ID:** 599337-001 S **Batch #:** 1 **Matrix:** Drinking Water

Date Analyzed: 09/19/2018 **Date Prepared:** 09/18/2018 **Analyst:** SCM

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	27.6	25.0	54.5	108	25.0	54.6	108	0	90-110	20	

Lab Batch ID: 3063189 **QC- Sample ID:** 599078-003 S **Batch #:** 1 **Matrix:** Water

Date Analyzed: 09/14/2018 **Date Prepared:** 09/14/2018 **Analyst:** OJS

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	0.202	101	0.200	0.202	101	0	75-125	20	

Lab Batch ID: 3063195 **QC- Sample ID:** 599078-016 S **Batch #:** 1 **Matrix:** Water

Date Analyzed: 09/14/2018 **Date Prepared:** 09/14/2018 **Analyst:** OJS

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	0.186	93	0.200	0.192	96	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.

Form 3 - MS / MSD Recoveries

Project Name: Chevron N. Eunice

Work Order # : 599078 **Project ID:** B0048789.0004

Lab Batch ID: 3063196 **QC- Sample ID:** 599078-020 S **Batch #:** 1 **Matrix:** Water

Date Analyzed: 09/14/2018 **Date Prepared:** 09/14/2018 **Analyst:** OJS

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	0.203	102	0.200	0.208	104	2	75-125	20	

Lab Batch ID: 3063644 **QC- Sample ID:** 599078-020 S **Batch #:** 1 **Matrix:** Water

Date Analyzed: 09/18/2018 **Date Prepared:** 09/18/2018 **Analyst:** DEP

Reporting Units: mg/L

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY STUDY

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	0.0149	0.100	0.115	100	0.100	0.115	100	0	75-125	20	
Barium	0.101	0.100	0.196	95	0.100	0.199	98	2	75-125	20	
Chromium	<0.000525	0.100	0.0997	100	0.100	0.0996	100	0	75-125	20	

Lab Batch ID: 3063648 **QC- Sample ID:** 598788-014 S **Batch #:** 1 **Matrix:** Surface Water

Date Analyzed: 09/18/2018 **Date Prepared:** 09/17/2018 **Analyst:** DEP

Reporting Units: mg/L

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY STUDY

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	0.000338	0.100	0.0987	98	0.100	0.0957	95	3	75-125	20	
Barium	0.0365	0.100	0.132	96	0.100	0.130	94	2	75-125	20	
Chromium	<0.000525	0.100	0.0971	97	0.100	0.0993	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.

Form 3 - MS / MSD Recoveries

Project Name: Chevron N. Eunice

Work Order # : 599078 **Project ID:** B0048789.0004

Lab Batch ID: 3063675 **QC- Sample ID:** 598921-022 S **Batch #:** 1 **Matrix:** Water

Date Analyzed: 09/18/2018 **Date Prepared:** 09/18/2018 **Analyst:** DEP

Reporting Units: mg/L

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY STUDY

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	0.0145	0.100	0.112	98	0.100	0.113	99	1	75-125	20	
Barium	0.0982	0.100	0.197	99	0.100	0.200	102	2	75-125	20	
Chromium	0.000838	0.100	0.0933	92	0.100	0.0975	97	4	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.

Sample Duplicate Recovery

Project Name: Chevron N. Eunice

Work Order #: 599078

Lab Batch #: 3063565 **Project ID:** B0048789.0004

Date Analyzed: 09/15/2018 12:00 **Date Prepared:** 09/15/2018 **Analyst:** OJS

QC- Sample ID: 599078-001 D **Batch #:** 1 **Matrix:** Water

Reporting Units: mg/L

TDS by SM2540C	SAMPLE / SAMPLE DUPLICATE RECOVERY				
Analyte	Parent Sample Result [A]	Sample Duplicate Result [B]	%RPD	RPD Limit	Flag
Total Dissolved Solids	3200	3280	2	10	

Lab Batch #: 3063565

Date Analyzed: 09/15/2018 12:00 **Date Prepared:** 09/15/2018 **Analyst:** OJS

QC- Sample ID: 599078-020 D **Batch #:** 1 **Matrix:** Water

Reporting Units: mg/L

TDS by SM2540C	SAMPLE / SAMPLE DUPLICATE RECOVERY				
Analyte	Parent Sample Result [A]	Sample Duplicate Result [B]	%RPD	RPD Limit	Flag
Total Dissolved Solids	1990	2000	1	10	

Lab Batch #: 3063679

Date Analyzed: 09/17/2018 16:00 **Date Prepared:** 09/17/2018 **Analyst:** OJS

QC- Sample ID: 599078-021 D **Batch #:** 1 **Matrix:** Water

Reporting Units: mg/L

TDS by SM2540C	SAMPLE / SAMPLE DUPLICATE RECOVERY				
Analyte	Parent Sample Result [A]	Sample Duplicate Result [B]	%RPD	RPD Limit	Flag
Total Dissolved Solids	3160	3240	3	10	

Lab Batch #: 3063679

Date Analyzed: 09/17/2018 16:00 **Date Prepared:** 09/17/2018 **Analyst:** OJS

QC- Sample ID: 599188-001 D **Batch #:** 1 **Matrix:** Water

Reporting Units: mg/L

TDS by SM2540C	SAMPLE / SAMPLE DUPLICATE RECOVERY				
Analyte	Parent Sample Result [A]	Sample Duplicate Result [B]	%RPD	RPD Limit	Flag
Total Dissolved Solids	3040	3080	1	10	

Log Difference Log Diff. = Log(Sample Duplicate) - Log(Original Sample)

Spike Relative Difference RPD 200 * | (B-A)/(B+A) |

All Results are based on MDL and validated for QC purposes.

BRL - Below Reporting Limit

Version: 1.%

Released to Imaging: 6/14/2022 10:44:20 AM

Attachment A Laboratory Data Package Cover Page

Project Name: **Chevron N. Eunice** Laboratory Number: **599078**

This Data package consists of : Laboratory Batch No(s) **3063648, 3063721, 3063675, 3063189, 3063**

This signature page, the laboratory review checklist, and the following reportable data:

[X] R1 Field chain-of-custody documentation;

[X] R2 Sample identification cross-reference;

[X] R3 Test reports (analytical data sheets) for each environmental sample that includes:
a) Items consistent with NELAC 5
b) dilution factors,
c) preparation methods,
d) cleanup methods, and
e) if required for the project, tentatively identified compounds (TICs).

[X] R4 Surrogate Recovery data including:
a) Calculated recovery (%R), and
b) The laboratory's surrogate QC limits.

[X] R5 Test reports/summary forms for blank samples;

[X] R6 Test reports/summary forms for laboratory control samples (LCSs) including:
a) LCS spiking amounts,
b) Calculated %R for each analyte, and
c) The laboratory's LCS QC limits.

[X] R7 Test reports for project matrix spike/matrix spike duplicates (MS/MSDs) including:
a) Samples associated with the MS/MSD clearly identified,
b) MS/MSD spiking amounts,
c) Concentration of each MS/MSD analyte measured in the parent and spiked samples,
d) Calculated %Rs and relative percent differences (RPDs) and
e) The laboratory's MS/MSD QC limits

[X] R8 Laboratory anaytical duplicate (if applicable) recovery and precision:
a) the amount of analyte measured in the duplicate,
b) the calculated RPD, and
c) the laboratory's QC limits for analytical duplicates.

[X] R9 List of method quantitation limits (MQLs) and detectability check sample results for each analyte for each method and matrix;

[X] R10 Other problems or anomalies.

[X] Exception Report for every "No" or "Not Reviewed (NR)" item in Laboratory Review Checklist and for each analyte, matrix, and method for which the laboratory does not hold NELAC accreditation under the Texas Laboratory Accreditation Program.

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

Check, if applicable: [ ] This laboratory meets an exception under 30 TAC 25.6 and was last inspection by [ ] TCEQ or [ ] _____ on (enter date of last inspection). Any findings affecting the data in this laboratory data package are noted in the Exception Reports herein. The offical signing the cover page of the report in which these data are used is responsible for releasing this data package and is by signature affirming the above release statement is true.

Kelsey Brooks		**Project Manager**	**20-SEP-18**
Name (Printed)	Signature	Official Title (printed)	Date

A1

Released to Imaging: 6/14/2022 10:44:20 AM

Attachment A (cont'd) : Laboratory Review Checklist: Reportable Data

Laboratory Name:	XENCO LABORATORIES	LRC Date :	20-SEP-18
Project Name:	Chevron N. Eunice	Laboratory Job Number :	599078
Reviewer Name:	KEB	Batch Number(s) :	3063648, 3063721, 3063675, 3063189, 3063679, 3063195, 3063565, 3063196, 3063723, 3063644

#[1]	A[2]	Description	Yes	No	NA[3]	NR[4]	ER#[5]
R1	OI	**Chain-of-Custody (COC)**					
		Did samples meet the laboratory's standard conditions of sample acceptability upon receipt?	X				
		Were all departures from standard conditions described in an exception report?			X		
R2	OI	**Sample and Quality Control (QC) Identification**					
		Are all field sample ID numbers cross-referenced to the laboratory ID numbers?	X				
		Are all laboratory ID numbers cross-referenced to the corresponding QC data?	X				
R3	OI	**Test Reports**					
		Were all samples prepared and analyzed within holding times?	X				
		Other than those results <MQL, were all other raw values bracketed by calibration standards?	X				
		Were calculations checked by a peer or supervisor?	X				
		Were all analyte identifications checked by a peer or supervisor?	X				
		Were sample detection limits reported for all analytes not detected?	X				
		Were all results for soil and sediment samples reported on a dry weight basis?			X		
		Were % moisture (or solids) reported for all soil and sediment samples?			X		
		Were bulk soil/solid samples for volatile analysis extracted with methanol per SW846 Method 5035?			X		
		If required for the project, were TICs reported?			X		
R4	O	**Surrogate Recovery Data**					
		Were surrogates added prior to extraction?			X		
		Were surrogate percent recoveries in all samples within the laboratory QC limits?			X		
R5	OI	**Test Reports/Summary Forms for Blank Samples**					
		Were appropriate type(s) of blanks analyzed?	X				
		Were blanks analyzed at the appropriate frequency ?	X				
		Were method blanks taken through the entire analytical procedure, including preparation and, if applicable, cleanup procedures ?	X				
		Were Blank Concentrations <MQL?	X				
R6	OI	**Laboratory Control Samples (LCS):**					
		Were all COCs included in the LCS?	X				
		Was each LCS taken through the entire analytical procedure, including prep and cleanup steps?	X				
		Were LCSs analyzed at the required frequency?	X				
		Were LCS (and LCSD, if applicable) %Rs within the laboratory QC limits?	X				
		Does the detectability check sample data document the laboratory's capability to detect the COCs at the MDL used to calculate the SDLs?	X				
		Was the LCSD RPD within the QC limits?	X				
R7	OI	**Matrix Spike (MS) and Matrix Spike Duplicate (MSD) data**					
		Were the project/method specified analytes included in the MS and MSD?	X				
		Were MS/MSD analyzed at the appropriate frequency?	X				
		Were MS (and MSD, if applicable) %Rs within the laboratory QC limits?	X				
		Were MS/MSD RPDs within the laboratory QC limits?	X				
R8	OI	**Analytical Duplicate Data**					
		Were appropriate analytical duplicates analyzed for each matrix?	X				
		Were analytical duplicates analyzed at the appropriate frequency?	X				
		Were RPDs or relative standard deviations within the laboratory QC limits?	X				
R9	OI	**Method Quantitation Limits (MQLs)**					
		Are the MQLs for each method analyte included in the laboratory data package?	X				
		Do the MQLs correspond to the concentration of the lowest non-zero calibration standard?	X				
		Are unadjusted MQLs and DCSs included in the laboratory data package?	X				
R10	OI	**Other Problems/Anomalies**					
		Are all known problems/anomalies/special conditions noted in this LRC and ER?	X				
		Is the laboratory NELAC-accredited under the Texas Laboratory Accreditation Program for the analytes, matrices and methods associated with this laboratory data package?	X				
		Was applicable and available technology used to lower the SDL to minimize the matrix interference effects on the sample results?	X				

Attachment A (cont'd) : Laboratory Review Checklist: Reportable Data

Laboratory Name:	XENCO LABORATORIES	LRC Date :	20-SEP-18
Project Name:	Chevron N. Eunice	Laboratory Job Number :	599078
Reviewer Name:	KEB	Batch Number(s) :	3063648, 3063721, 3063675, 3063189, 3063679, 3063195, 3063565, 3063196, 3063723, 3063644

#[1]	A[2]	Description	Yes	No	NA[3]	NR[4]	ER#[5]
S1	OI	**Initial Calibration (ICAL)**					
		Were response factors and/or relative response factors for each analyte within QC limits?	X				
		Were percent RSDs or correlation coefficient criteria met?	X				
		Was the number of standards recommended in the method used for all analytes?	X				
		Were all points generated between the lowest and the highest standard used to calculate the curve?	X				
		Are ICAL data available for all instruments used?	X				
		Has the initial calibration curve been verified using an appropriate second source standard?	X				
S2	OI	**Initial and Continuing Calibration Verification (ICCV and CCV) and continuing calibration blank (**					
		Was the CCV analyzed at the method-required frequency?	X				
		Were percent differences for each analyte within the method-required QC limits?	X				
		Was the ICAL curve verified for each analyte?	X				
		Was the absolute value of the analyte concentration in the inorganic CCB <MDL?	X				
S3	O	**Mass Spectral Tuning**					
		Was the appropriate compound for the method used for tuning?			X		
		Were ion abundance data within the method-required QC limits?			X		
S4	O	**Internal Standard (IS)**					
		Were IS area counts and retention times within the method-required QC limits?			X		
S5	OI	**Raw Data (NELAC 5.5.10)**					
		Were the raw data (for example, chromatograms, spectral data) reviewed by an analyst?	X				
		Were data associated with manual integrations flagged on the raw data?	X				
S6	O	**Dual Column Confirmation**					
		Did dual column confirmation results meet the method-required QC?			X		
S7	O	**Tentatively Identified Compounds (TICs)**					
		If TICs were requested, were the mass spectra and TIC data subject to appropriate checks?			X		
S8	I	**Interference Check Sample (ICS) Results**					
		Were percent recoveries within method QC limits?	X				
S9	I	**Serial Dilutions, Post Digestions Spikes, and Method of Standard Additions**					
		Were percent differences, recoveries, and the linearity within the QC limits specified in the method?	X				
S10	OI	**Method Detection Limit (MDL) Studies**					
		Was a MDL study performed for each reported analyte?	X				
		Is the MDL either adjusted or supported by the analysis of DCSs?	X				
S11	OI	**Proficiency Test Reports**					
		Was the laboratory's performance acceptable on the applicable proficiency tests or evaluation studies?	X				
S12	OI	**Standards Documentation**					
		Are all standards used in the analyses NIST-traceable or obtained from other appropriate sources?	X				
S13	OI	**Compound/Analyte Identification Procedures**					
		Are the procedures for compound/analyte identification documented?	X				
S14	OI	**Demonstration of Analyst Competency (DOC)**					
		Was DOC conducted consistent with NELAC Chapter 5?	X				
		Is documentation of the analyst's competency up-to-date and on file?	X				
S15	OI	**Verification/Validation Documentation for Methods (NELAC Chapter 5)**					
		Are all methods used to generate the data documented, verified, and validated, where applicable?	X				
S16	OI	**Laboratory Standard Operating Procedures (SOPs)**					
		Are laboratory SOPs current and on file for each method performed?	X				

1. Items identified by the letter "R" must be included in the laboratory data package submitted to the TCEQ-required report(s). Items identified by the letter "S" should be retained and made available upon request for the appropriate retention period.
2. O = organic analyses; I = inorganic analyses (and general chemistry, when applicable).
3. NA = Not applicable;
4. NR = Not reviewed;
5. ER# = Exception Report Identification number (an Exception Report should be completed for an item if "NR" or "No" is checked).

Attachment A (cont'd): Laboratory Review Checklist: Exception Reports

Laboratory Name:	XENCO LABORATORIES	LRC Date:	20-SEP-18
Project Name:	Chevron N. Eunice	Laboratory Job Number:	599078
Reviewer Name:	KEB	Batch Number(s) :	3063648, 3063721, 3063675, 3063189, 3063679, 3063195, 3063565, 3063196, 3063723, 3063644

ER# [1]	DESCRIPTION

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

A4

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DCS Summary 599078

ARCADIS, Midland, TX

Chevron N. Eunice

Analytical Method: **Chloride by EPA 300** Matrix: **Water**

Prep Method: **E300P** Laboratory: **Xenco - Midland**

Parameter	SDL	MQL	Spike Amount	Actual Amount	Units
Chloride	0.0858	0.500	0.250	0.177	mg/L

Analytical Method: **Chromium, Hexavalent by SW 7196A** Matrix: **Water**

Prep Method: Laboratory: **Xenco - Midland**

Parameter	SDL	MQL	Spike Amount	Actual Amount	Units
Chromium, Hexavalent	0.00273	0.0100	0.00800	0.00510	mg/L

Analytical Method: **Dissolved Metals by SW6020A** Matrix: **Water**

Prep Method: **SW3010A** Laboratory: **Xenco - Houston**

Parameter	SDL	MQL	Spike Amount	Actual Amount	Units
Arsenic	0.000246	0.00400	0.00200	0.00294	mg/L
Barium	0.000484	0.00400	0.00400	0.00401	mg/L
Chromium	0.000525	0.00400	0.00200	0.00400	mg/L

Page 917 of 1147

ARCADIS

ID#:

CHAIN OF CUSTODY & LABORATORY ANALYSIS REQUEST FORM

Page 1 of 2

Lab Work Order # 590178

Send Results to:

Contact & Company Name: Brett Krehbiel Arcadis
Telephone: 916-786-0320
Address: 101 Creekside Ridge Court, Suite 200
Fax: 916-786-0366
City: Roseville State: CA Zip: 95678
E-mail Address: brett.krehbiel@arcadis.com
Project Name/Location (City, State): Chevron N. Eunice
Project #: B0048789.0004
Sampler's Printed Name: Gary S. Hongwell
Sampler's Signature:

Preservative	B	B	C	E	E		
Filtered (✓)			✓	✓			
# of Containers							
Container Information	1	1	3	4	4		

Keys

Preservation Key:
A. H_2SO_4
B. HCL
C. HNO_3
D. NaOH
E. None
F. Other: _____
G. Other: _____
H. Other: _____

Container Information Key:
1. 40 ml Vial
2. 1 L Amber
3. 250 ml Plastic
4. 500 ml Plastic
5. Encore
6. 2 oz. Glass
7. 4 oz. Glass
8. 8 oz. Glass
9. Other: _____
10. Other: _____

Matrix Key:
SO - Soil
SE - Sediment
NL - NAPL/Oil
W - Water
SL - Sludge
SW - Sample Wipe
T - Tissue
A - Air
Other: _____

Sample ID	Collection Date	Collection Time	Type (✓) Comp	Type (✓) Grab	Matrix	BTEX 8021B	TPH GRO & DRO 8015B	Dissolved As, Mn, Fe, Cr 6010B	Dissolved Hex Chromium 7196	Chloride & TDS	REMARKS
MW088M-W-180913	9/13/18	1447		X	W			1	1	1	
MW013-W-180913	9/13/18	1434		X	W			1	1	1	
MW084DA-W-180913	9/13/18	1429		X	W			1	1	1	
MW010-W-180913	9/13/18	1421		X	W			1	1	1	
MW019A-W-180913	9/13/18	1409		X	W			1	1	1	
MW018-W-180913	9/13/18	1346		X	W			1	1	1	
MW020A-W-180913	9/13/18	1400		X	W			1	1	1	
MW099-W-180913	9/13/18	1321		X	W			1	1	1	
MW015A-W-180913	9/13/18	1259		X	W			1	1	1	
MW026-W-180913	9/13/18	1239		X	W			1	1	1	
MW027-W-180913	9/13/18	1229		X	W			1	1	1	
MW032-W-180913	9/13/18	1213		X	W			1	1	1	
MW068-W-180913	9/13/18	1144		X	W			2	1	1	
MW061-W-180913	9/13/18	1132		X	W			1	1	1	

Special Instructions/Comments:

☐ Special QA/QC Instructions(✓):

Laboratory Information and Receipt

Lab Name: Xenco
☐ Cooler packed with ice (✓)
Specify Turnaround Requirements: Standard TAT
Shipping Tracking #:
Cooler Custody Seal (✓): ☑ Intact ☐ Not Intact
Sample Receipt: 190.03.0
Condition/Cooler Temp: 3.0

Relinquished By	Received By	Relinquished By	Laboratory Received By
Printed Name: Gary Shongwell	Printed Name: Winston Abel	Printed Name: Winston Abel	Printed Name: Brianna Teel
Signature:	Signature:	Signature:	Signature:
Firm: Arcadis	Firm/Courier: Xenco	Firm/Courier: Xenco	Firm: Xenco
Date/Time: 9/13/18 1657	Date/Time: 09/13/18 16:57	Date/Time: 09/13/18 1900	Date/Time: 9/13/18 1900

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ARCADIS

ID#:

CHAIN OF CUSTODY & LABORATORY ANALYSIS REQUEST FORM

Page 2 of 2

Lab Work Order #: 599078

Send Results to:

Contact & Company Name: Brett Krehbiel Arcadis
Telephone: 916-786-0320
Address: 101 Creekside Ridge Court, Suite 200
Fax: 916-786-0366
City: Roseville State: CA Zip: 95678
E-mail Address: brett.krehbiel@arcadis.com
Project Name/Location (City, State): Chevron N. Eunice
Project #: B0048789.0004
Sampler's Printed Name: Jerry Silvergueel
Sampler's Signature:

Sample ID	Collection Date	Collection Time	Type (✓) Comp	Type (✓) Grab	Matrix	Preservative	B	B	C	E	E
						Filtered (✓)			✓	✓	
						# of Containers					
						Container Information	1	1	3	4	4
MW095-W-180913	9/13/18	1117		X	W			1	1	1	
MW030-W-180913	9/13/18	0958		X	W			1	1	1	
MW031-W-180913	9/13/18	1030		X	W			1	1	1	
MW060-W-180913	9/13/18	1003		X	W			1	1	1	
MW059-W-180913	9/13/18	1010		X	W			1	1	1	
MW069-W-180913	9/13/18	1041		X	W			1	1	1	
MW023-W-180913	9/13/18	1020		X	W			1	1	1	

PARAMETER ANALYSIS & METHOD

BTEX 8021B; TPH GRO & DRO 8015B; Dissolved As, Mn, Fe, Cr 6010B; Dissolved Hex Chromium 7196; Chloride & TDS

Keys

Preservation Key:
A. H_2SO_4
B. HCL
C. HNO_3
D. NaOH
E. None
F. Other: _____
G. Other: _____
H. Other: _____

Container Information Key:
1. 40 ml Vial
2. 1 L Amber
3. 250 ml Plastic
4. 500 ml Plastic
5. Encore
6. 2 oz. Glass
7. 4 oz. Glass
8. 8 oz. Glass
9. Other: _____
10. Other: _____

Matrix Key:
SO - Soil; SE - Sediment; NL - NAPL/Oil
W - Water; SL - Sludge; SW - Sample Wipe
T - Tissue; A - Air; Other: _____

REMARKS

Special Instructions/Comments:

☐ Special QA/QC Instructions(✓):

Laboratory Information and Receipt

Lab Name: Xenco
☐ Cooler packed with ice (✓)
Specify Turnaround Requirements: Standard TAT
Shipping Tracking #:
Cooler Custody Seal (✓): ☑ Intact ☐ Not Intact
Sample Receipt: RQ 0.0 3.0
Condition/Cooler Temp: _____

Relinquished By	Received By	Relinquished By	Laboratory Received By
Printed Name: Jerry Silvergueel	Printed Name: Winston Neal	Printed Name: Winston Neal	Printed Name: Brittney Teel
Signature:	Signature:	Signature:	Signature:
Firm: Arcadis	Firm/Courier: Xenco	Firm/Courier: Xenco	Firm: Xenco
Date/Time: 9/13/18 1657	Date/Time: 09/13/18 16:57	Date/Time: 09/13/18 1900	Date/Time: 9/13/18 1900

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Inter-Office Shipment

IOS Number **114005**

Date/Time: 09/14/18 08:29
Created by: Brianna Teel
Please send report to: Kelsey Brooks

Lab# From: **Midland**
Delivery Priority:
Address: 1211 W. Florida Ave, Midland TX 79701

Lab# To: **Houston**
Air Bill No.: 773225421654
E-Mail: kelsey.brooks@xenco.com

Sample Id	Matrix	Client Sample Id	Sample Collection	Method	Method Name	Lab Due	HT Due	PM	Analytes	Sign
599078-001	W	MW088M-W-180913	09/13/18 14:47	SW6020_DIS	Dissolved Metals by SW6020A	09/19/18	03/12/19	KEB	AS BA CR	
599078-002	W	MW013-W-180913	09/13/18 14:38	SW6020_DIS	Dissolved Metals by SW6020A	09/19/18	03/12/19	KEB	AS BA CR	
599078-003	W	MW040A-W-180913	09/13/18 14:29	SW6020_DIS	Dissolved Metals by SW6020A	09/19/18	03/12/19	KEB	AS BA CR	
599078-004	W	MW010-W-180913	09/13/18 14:21	SW6020_DIS	Dissolved Metals by SW6020A	09/19/18	03/12/19	KEB	AS BA CR	
599078-005	W	MW019A-W-180913	09/13/18 14:09	SW6020_DIS	Dissolved Metals by SW6020A	09/19/18	03/12/19	KEB	AS BA CR	
599078-006	W	MW018-W-180913	09/13/18 13:46	SW6020_DIS	Dissolved Metals by SW6020A	09/19/18	03/12/19	KEB	AS BA CR	
599078-007	W	MW020A-W-180913	09/13/18 14:00	SW6020_DIS	Dissolved Metals by SW6020A	09/19/18	03/12/19	KEB	AS BA CR	
599078-008	W	MW099-W-180913	09/13/18 13:21	SW6020_DIS	Dissolved Metals by SW6020A	09/19/18	03/12/19	KEB	AS BA CR	
599078-009	W	MW015A-W-180913	09/13/18 12:49	SW6020_DIS	Dissolved Metals by SW6020A	09/19/18	03/12/19	KEB	AS BA CR	
599078-010	W	MW026-W-180913	09/13/18 12:39	SW6020_DIS	Dissolved Metals by SW6020A	09/19/18	03/12/19	KEB	AS BA CR	
599078-011	W	MW027-W-180913	09/13/18 12:28	SW6020_DIS	Dissolved Metals by SW6020A	09/19/18	03/12/19	KEB	AS BA CR	
599078-012	W	MW032-W-180913	09/13/18 12:19	SW6020_DIS	Dissolved Metals by SW6020A	09/19/18	03/12/19	KEB	AS BA CR	
599078-013	W	MW068-W-180913	09/13/18 11:44	SW6020_DIS	Dissolved Metals by SW6020A	09/19/18	03/12/19	KEB	AS BA CR	
599078-014	W	MW061-W-180913	09/13/18 11:32	SW6020_DIS	Dissolved Metals by SW6020A	09/19/18	03/12/19	KEB	AS BA CR	
599078-015	W	MW095-W-180913	09/13/18 11:17	SW6020_DIS	Dissolved Metals by SW6020A	09/19/18	03/12/19	KEB	AS BA CR	
599078-016	W	MW030-W-180913	09/13/18 09:58	SW6020_DIS	Dissolved Metals by SW6020A	09/19/18	03/12/19	KEB	AS BA CR	
599078-017	W	MW031-W-180913	09/13/18 10:30	SW6020_DIS	Dissolved Metals by SW6020A	09/19/18	03/12/19	KEB	AS BA CR	
599078-018	W	MW060-W-180913	09/13/18 11:03	SW6020_DIS	Dissolved Metals by SW6020A	09/19/18	03/12/19	KEB	AS BA CR	
599078-019	W	MW059-W-180913	09/13/18 10:10	SW6020_DIS	Dissolved Metals by SW6020A	09/19/18	03/12/19	KEB	AS BA CR	
599078-020	W	MW069-W-180913	09/13/18 10:41	SW6020_DIS	Dissolved Metals by SW6020A	09/19/18	03/12/19	KEB	AS BA CR	
599078-021	W	MW023-W-180913	09/13/18 10:20	SW6020_DIS	Dissolved Metals by SW6020A	09/19/18	03/12/19	KEB	AS BA CR	

Inter-Office Shipment

IOS Number **114005**

Date/Time: 09/14/18 08:29
Lab# From: **Midland**
Lab# To: **Houston**

Created by: Brianna Teel
Delivery Priority:
Air Bill No.: 773225421654

Please send report to: Kelsey Brooks
Address: 1211 W. Florida Ave, Midland TX 79701
E-Mail: kelsey.brooks@xenco.com

Inter Office Shipment or Sample Comments:

Relinquished By: Brianna Teel
Brianna Teel

Date Relinquished: 09/14/2018

Received By: Rene Vandenberghe

Date Received: 09/15/2018 09:30

Cooler Temperature: 3.2

XENCO Laboratories

Inter Office Report- Sample Receipt Checklist

Sent To: Houston

IOS #: 114005

Acceptable Temperature Range: 0 - 6 degC
Air and Metal samples Acceptable Range: Ambient
Temperature Measuring device used : hou-068

Sent By: Brianna Teel **Date Sent:** 09/14/2018 08:29 AM

Received By: Rene Vandenberghe **Date Received:** 09/15/2018 09:30 AM

Sample Receipt Checklist		Comments
#1 *Temperature of cooler(s)?	3.2	
#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: R. C. Vandenberghe Date: 09/15/2018

Rene Vandenberghe

XENCO Laboratories

Prelogin/Nonconformance Report- Sample Log-In

Client: ARCADIS

Date/ Time Received: 09/13/2018 07:00:00 PM

Work Order #: 599078

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

Temperature Measuring device used : R8

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**	Metals to 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: Bt

PH Device/Lot#: 213315

Checklist completed by: Brianna Teel

Brianna Teel

Date: 09/14/2018

Checklist reviewed by: Kelsey Brooks

Kelsey Brooks

Date: 09/14/2018

Analytical Report 599188

for

ARCADIS

Project Manager: Brett Krehbiel

Chevron N. Eunice

B0048789.0004

21-SEP-18

Collected By: Client





1211 W. Florida Ave, Midland TX 79701

Xenco-Houston (EPA Lab Code: TX00122):
Texas (T104704215-18-27), Arizona (AZ0765), Florida (E871002-24), Louisiana (03054)
Oklahoma (2017-142)

Xenco-Dallas (EPA Lab Code: TX01468):
Texas (T104704295-18-17), Arizona (AZ0809), Arkansas (17-063-0)

Xenco-El Paso (EPA Lab Code: TX00127): Texas (T104704221-18-13)
Xenco-Lubbock (EPA Lab Code: TX00139): Texas (T104704219-18-17)
Xenco-Midland (EPA Lab Code: TX00158): Texas (T104704400-18-16)
Xenco-San Antonio (EPA Lab Code: TNI02385): Texas (T104704534-18-4)
Xenco Phoenix (EPA Lab Code: AZ00901): Arizona (AZ0757)
Xenco-Phoenix Mobile (EPA Lab Code: AZ00901): Arizona (AZM757)
Xenco-Atlanta (LELAP Lab ID #04176)
Xenco-Tampa: Florida (E87429)
Xenco-Lakeland: Florida (E84098)

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21-SEP-18

Project Manager: **Brett Krehbiel**
ARCADIS
1004 N. Big Spring St.
Midland, TX 79701

Reference: XENCO Report No(s): **599188**
Chevron N. Eunice
Project Address: Eunice, NM

Brett Krehbiel:

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 XENCO Report Number(s) 599188. 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 XENCO Laboratories. 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. 599188 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 XENCO Laboratories to serve your analytical needs. If you have any questions concerning this report, please feel free to contact us at any time.

Respectfully,

Kelsey Brooks
Project Manager

Recipient of the Prestigious Small Business Administration Award of Excellence in 1994.
Certified and approved by numerous States and Agencies.
A Small Business and Minority Status Company that delivers SERVICE and QUALITY

Houston - Dallas - Midland - San Antonio - Phoenix - Oklahoma - Latin America

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Sample Cross Reference 599188

ARCADIS, Midland, TX

Chevron N. Eunice

Sample Id	Matrix	Date Collected	Sample Depth	Lab Sample Id
MW007A-W-180914	W	09-14-18 09:46		599188-001
MW011A-W-180914	W	09-14-18 12:53		599188-002
MW002A-W-180914	W	09-14-18 09:46		599188-003
DUP1-W-180914	W	09-14-18 10:18		599188-004
MW016A-W-180914	W	09-14-18 10:34		599188-005
MW047-W-180914	W	09-14-18 00:00		599188-006
MW008M-W-180914	W	09-14-18 11:13		599188-007
MW089SA-W-180914	W	09-14-18 09:32		599188-008
MW004A-W-180914	W	09-14-18 09:57		599188-009
DUP6-W-180914	W	09-14-18 09:26		599188-010
IW023-W-180914	W	09-14-18 09:17		599188-011
MW093SA-W-180914	W	09-14-18 00:00		599188-012

CASE NARRATIVE SUMMARY

Client Name: ***ARCADIS***

Project Name: ***Chevron N. Eunice***

Project ID:	*B0048789.0004*	*Report Date:*	*21-SEP-18*
Work Order Number:	*599188*	*Date Received:*	*14-SEP-18*

Kelsey Brooks
Project Manager

Certificate of Analytical Results

599188

ARCADIS, Midland, TX

Chevron N. Eunice

Sample Id: **MW007A-W-180914** Matrix: Water Sample Depth:

Lab Sample Id: 599188-001 Date Collected: 09.14.18 09.46 Date Received: 09.14.18 15.14

Analytical Method: TDS by SM2540C Prep Method:

Analyst: OJS % Moist: Tech: OJS

Seq Number: 3063679 Date Prep:

Prep seq:

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Total Dissolved Solids	1642222	**3040**	5.00	5.00	mg/L	09.17.18 16:00		1

Analytical Method: Chloride by EPA 300 Prep Method: E300P

Analyst: SCM % Moist: Tech: SCM

Seq Number: 3063723 Date Prep: 09.18.18 15.00

Prep seq: 7662538

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Chloride	16887-00-6	**801**	10.0	1.72	mg/L	09.19.18 01:29		20

Analytical Method: Dissolved Metals by SW6020A Prep Method: 3010A

Analyst: DEP % Moist: Tech: AHI

Seq Number: 3063644 Date Prep: 09.18.18 09.00

Subcontractor: SUB: TX104704215-18-27 Prep seq: 7662477

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Arsenic	7440-38-2	**0.0115**	0.00400	0.000246	mg/L	09.18.18 18:58		1
Barium	7440-39-3	**0.0195**	0.00400	0.000484	mg/L	09.18.18 18:58		1
Chromium	7440-47-3	**0.763**	0.00400	0.000525	mg/L	09.18.18 18:58		1

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

Analyst: OJS % Moist: Tech: OJS

Seq Number: 3063196 Date Prep:

Prep seq:

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Chromium, Hexavalent	18540-29-9	**0.670**	0.0500	0.0136	mg/L	09.14.18 16:00		5

Certificate of Analytical Results

599188

ARCADIS, Midland, TX

Chevron N. Eunice

Sample Id: **MW011A-W-180914** Matrix: Water Sample Depth:

Lab Sample Id: 599188-002 Date Collected: 09.14.18 12.53 Date Received: 09.14.18 15.14

Analytical Method: TDS by SM2540C Prep Method:

Analyst: OJS % Moist: Tech: OJS

Seq Number: 3063679 Date Prep:

Prep seq:

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Total Dissolved Solids	1642222	**2160**	5.00	5.00	mg/L	09.17.18 16:00		1

Analytical Method: Dissolved Metals by SW6020A Prep Method: 3010A

Analyst: DEP % Moist: Tech: AHI

Seq Number: 3063644 Date Prep: 09.18.18 09.00

Subcontractor: SUB: TX104704215-18-27 Prep seq: 7662477

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Arsenic	7440-38-2	**0.0142**	0.00400	0.000246	mg/L	09.18.18 19:01		1
Barium	7440-39-3	**0.0265**	0.00400	0.000484	mg/L	09.18.18 19:01		1
Chromium	7440-47-3	**0.291**	0.00400	0.000525	mg/L	09.18.18 19:01		1

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

Analyst: OJS % Moist: Tech: OJS

Seq Number: 3063196 Date Prep:

Prep seq:

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Chromium, Hexavalent	18540-29-9	**0.242**	0.0100	0.00273	mg/L	09.14.18 16:00		1

Sample Id: **MW011A-W-180914** Matrix: Water Sample Depth:

Lab Sample Id: 599188-002 Date Collected: 09.14.18 12.53 Date Received: 09.14.18 15.14

Analytical Method: Chloride by EPA 300 Prep Method: E300P

Analyst: SCM % Moist: Tech: SCM

Seq Number: 3063723 Date Prep: 09.18.18 15.00

Prep seq: 7662538

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Chloride	16887-00-6	**646**	10.0	1.72	mg/L	09.19.18 01:40		20

Certificate of Analytical Results

599188

ARCADIS, Midland, TX

Chevron N. Eunice

Sample Id: **MW002A-W-180914** Matrix: Water Sample Depth:

Lab Sample Id: 599188-003 Date Collected: 09.14.18 09.46 Date Received: 09.14.18 15.14

Analytical Method: TDS by SM2540C Prep Method:

Analyst: OJS % Moist: Tech: OJS

Seq Number: 3063679 Date Prep:

Prep seq:

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Total Dissolved Solids	1642222	**3330**	5.00	5.00	mg/L	09.17.18 16:00		1

Analytical Method: Chloride by EPA 300 Prep Method: E300P

Analyst: SCM % Moist: Tech: SCM

Seq Number: 3063723 Date Prep: 09.18.18 15.00

Prep seq: 7662538

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Chloride	16887-00-6	**1610**	25.0	4.29	mg/L	09.19.18 01:50		50

Analytical Method: Dissolved Metals by SW6020A Prep Method: 3010A

Analyst: DEP % Moist: Tech: AHI

Seq Number: 3063644 Date Prep: 09.18.18 09.00

Subcontractor: SUB: TX104704215-18-27 Prep seq: 7662477

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Arsenic	7440-38-2	**0.0195**	0.00400	0.000246	mg/L	09.18.18 19:04		1
Barium	7440-39-3	**0.0252**	0.00400	0.000484	mg/L	09.18.18 19:04		1
Chromium	7440-47-3	**0.963**	0.00400	0.000525	mg/L	09.18.18 19:04		1

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

Analyst: OJS % Moist: Tech: OJS

Seq Number: 3063196 Date Prep:

Prep seq:

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Chromium, Hexavalent	18540-29-9	**0.796**	0.0500	0.0136	mg/L	09.14.18 16:00		5

Certificate of Analytical Results
599188
ARCADIS, Midland, TX
Chevron N. Eunice

Sample Id: **DUP1-W-180914** Matrix: Water Sample Depth:

Lab Sample Id: 599188-004 Date Collected: 09.14.18 10.18 Date Received: 09.14.18 15.14

Analytical Method: TDS by SM2540C Prep Method:

Analyst: OJS % Moist: Tech: OJS

Seq Number: 3063679 Date Prep:

Prep seq:

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Total Dissolved Solids	1642222	**2080**	5.00	5.00	mg/L	09.17.18 16:00		1

Analytical Method: Chloride by EPA 300 Prep Method: E300P

Analyst: SCM % Moist: Tech: SCM

Seq Number: 3063723 Date Prep: 09.18.18 15.00

Prep seq: 7662538

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Chloride	16887-00-6	**576**	10.0	1.72	mg/L	09.19.18 02:00		20

Analytical Method: Dissolved Metals by SW6020A Prep Method: 3010A

Analyst: DEP % Moist: Tech: AHI

Seq Number: 3063644 Date Prep: 09.18.18 09.00

Subcontractor: SUB: TX104704215-18-27 Prep seq: 7662477

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Arsenic	7440-38-2	**0.0136**	0.00400	0.000246	mg/L	09.18.18 19:07		1
Barium	7440-39-3	**0.0252**	0.00400	0.000484	mg/L	09.18.18 19:07		1
Chromium	7440-47-3	**0.277**	0.00400	0.000525	mg/L	09.18.18 19:07		1

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

Analyst: OJS % Moist: Tech: OJS

Seq Number: 3063196 Date Prep:

Prep seq:

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Chromium, Hexavalent	18540-29-9	**0.239**	0.0100	0.00273	mg/L	09.14.18 16:00		1

Certificate of Analytical Results
599188
ARCADIS, Midland, TX
Chevron N. Eunice

Sample Id: **MW016A-W-180914** Matrix: Water Sample Depth:

Lab Sample Id: 599188-005 Date Collected: 09.14.18 10.34 Date Received: 09.14.18 15.14

Analytical Method: TDS by SM2540C Prep Method:

Analyst: OJS % Moist: Tech: OJS

Seq Number: 3063679 Date Prep:

Prep seq:

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Total Dissolved Solids	1642222	**1290**	5.00	5.00	mg/L	09.17.18 16:00		1

Analytical Method: Chloride by EPA 300 Prep Method: E300P

Analyst: SCM % Moist: Tech: SCM

Seq Number: 3063723 Date Prep: 09.18.18 15.00

Prep seq: 7662538

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Chloride	16887-00-6	**513**	5.00	0.858	mg/L	09.19.18 02:11		10

Analytical Method: Dissolved Metals by SW6020A Prep Method: 3010A

Analyst: DEP % Moist: Tech: AHI

Seq Number: 3063644 Date Prep: 09.18.18 09.00

Subcontractor: SUB: TX104704215-18-27 Prep seq: 7662477

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Arsenic	7440-38-2	**0.00914**	0.00400	0.000246	mg/L	09.18.18 19:10		1
Barium	7440-39-3	**0.200**	0.00400	0.000484	mg/L	09.18.18 19:10		1
Chromium	7440-47-3	**0.00528**	0.00400	0.000525	mg/L	09.18.18 19:10		1

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

Analyst: OJS % Moist: Tech: OJS

Seq Number: 3063315 Date Prep:

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	09.14.18 16:00	U	1

Certificate of Analytical Results
599188
ARCADIS, Midland, TX
Chevron N. Eunice

Sample Id: **MW047-W-180914** Matrix: Water Sample Depth:

Lab Sample Id: 599188-006 Date Collected: 09.14.18 00.00 Date Received: 09.14.18 15.14

Analytical Method: TDS by SM2540C Prep Method:

Analyst: OJS % Moist: Tech: OJS

Seq Number: 3063679 Date Prep:

Prep seq:

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Total Dissolved Solids	1642222	**1950**	5.00	5.00	mg/L	09.17.18 16:00		1

Analytical Method: Chloride by EPA 300 Prep Method: E300P

Analyst: SCM % Moist: Tech: SCM

Seq Number: 3063723 Date Prep: 09.18.18 15.00

Prep seq: 7662538

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Chloride	16887-00-6	**276**	10.0	1.72	mg/L	09.19.18 02:52		20

Analytical Method: Dissolved Metals by SW6020A Prep Method: 3010A

Analyst: DEP % Moist: Tech: AHI

Seq Number: 3063644 Date Prep: 09.18.18 09.00

Subcontractor: SUB: TX104704215-18-27 Prep seq: 7662477

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Arsenic	7440-38-2	**0.0120**	0.00400	0.000246	mg/L	09.19.18 17:55		1
Barium	7440-39-3	**0.0337**	0.00400	0.000484	mg/L	09.19.18 17:55		1
Chromium	7440-47-3	**0.0600**	0.00400	0.000525	mg/L	09.19.18 17:55		1

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

Analyst: OJS % Moist: Tech: OJS

Seq Number: 3063315 Date Prep:

Prep seq:

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Chromium, Hexavalent	18540-29-9	**0.0507**	0.0100	0.00273	mg/L	09.14.18 16:00		1

Certificate of Analytical Results
599188
ARCADIS, Midland, TX
Chevron N. Eunice

Sample Id: **MW008M-W-180914** Matrix: Water Sample Depth:

Lab Sample Id: 599188-007 Date Collected: 09.14.18 11.13 Date Received: 09.14.18 15.14

Analytical Method: TDS by SM2540C Prep Method:

Analyst: OJS % Moist: Tech: OJS

Seq Number: 3063679 Date Prep:

Prep seq:

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Total Dissolved Solids	1642222	**4600**	5.00	5.00	mg/L	09.17.18 16:00		1

Analytical Method: Chloride by EPA 300 Prep Method: E300P

Analyst: SCM % Moist: Tech: SCM

Seq Number: 3063723 Date Prep: 09.18.18 15.00

Prep seq: 7662538

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Chloride	16887-00-6	**1350**	25.0	4.29	mg/L	09.19.18 03:03		50

Analytical Method: Dissolved Metals by SW6020A Prep Method: 3010A

Analyst: DEP % Moist: Tech: AHI

Seq Number: 3063644 Date Prep: 09.18.18 09.00

Subcontractor: SUB: TX104704215-18-27 Prep seq: 7662477

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Arsenic	7440-38-2	**0.00312**	0.00400	0.000246	mg/L	09.18.18 19:17	J	1
Barium	7440-39-3	**0.0831**	0.00400	0.000484	mg/L	09.18.18 19:17		1
Chromium	7440-47-3	**0.00775**	0.00400	0.000525	mg/L	09.18.18 19:17		1

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

Analyst: OJS % Moist: Tech: OJS

Seq Number: 3063196 Date Prep:

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	09.14.18 16:00	U	1

Certificate of Analytical Results
599188
ARCADIS, Midland, TX
Chevron N. Eunice

Sample Id: **MW089SA-W-180914** Matrix: Water Sample Depth:

Lab Sample Id: 599188-008 Date Collected: 09.14.18 09.32 Date Received: 09.14.18 15.14

Analytical Method: TDS by SM2540C Prep Method:

Analyst: OJS % Moist: Tech: OJS

Seq Number: 3063679 Date Prep:

Prep seq:

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Total Dissolved Solids	1642222	**3780**	5.00	5.00	mg/L	09.17.18 16:00		1

Analytical Method: Chloride by EPA 300 Prep Method: E300P

Analyst: SCM % Moist: Tech: SCM

Seq Number: 3063723 Date Prep: 09.18.18 15.00

Prep seq: 7662538

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Chloride	16887-00-6	**1040**	25.0	4.29	mg/L	09.19.18 08:22		50

Analytical Method: Dissolved Metals by SW6020A Prep Method: 3010A

Analyst: DEP % Moist: Tech: AHI

Seq Number: 3063644 Date Prep: 09.18.18 09.00

Subcontractor: SUB: TX104704215-18-27 Prep seq: 7662477

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Arsenic	7440-38-2	**0.0109**	0.00400	0.000246	mg/L	09.18.18 19:26		1
Barium	7440-39-3	**0.0211**	0.00400	0.000484	mg/L	09.18.18 19:26		1
Chromium	7440-47-3	**1.18**	0.00400	0.000525	mg/L	09.18.18 19:26		1

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

Analyst: OJS % Moist: Tech: OJS

Seq Number: 3063315 Date Prep:

Prep seq:

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Chromium, Hexavalent	18540-29-9	**1.04**	0.0500	0.0136	mg/L	09.14.18 16:00		5

Certificate of Analytical Results

599188

ARCADIS, Midland, TX

Chevron N. Eunice

Sample Id: **MW004A-W-180914** Matrix: Water Sample Depth:

Lab Sample Id: 599188-009 Date Collected: 09.14.18 09.57 Date Received: 09.14.18 15.14

Analytical Method: TDS by SM2540C Prep Method:

Analyst: OJS % Moist: Tech: OJS

Seq Number: 3063679 Date Prep:

Prep seq:

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Total Dissolved Solids	1642222	**2230**	5.00	5.00	mg/L	09.17.18 16:00		1

Analytical Method: Chloride by EPA 300 Prep Method: E300P

Analyst: SCM % Moist: Tech: SCM

Seq Number: 3063723 Date Prep: 09.18.18 15.00

Prep seq: 7662538

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Chloride	16887-00-6	**632**	10.0	1.72	mg/L	09.19.18 08:32		20

Analytical Method: Dissolved Metals by SW6020A Prep Method: 3010A

Analyst: DEP % Moist: Tech: AHI

Seq Number: 3063644 Date Prep: 09.18.18 09.00

Subcontractor: SUB: TX104704215-18-27 Prep seq: 7662477

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Arsenic	7440-38-2	**0.0158**	0.00400	0.000246	mg/L	09.18.18 19:30		1
Barium	7440-39-3	**0.0231**	0.00400	0.000484	mg/L	09.18.18 19:30		1
Chromium	7440-47-3	**0.515**	0.00400	0.000525	mg/L	09.18.18 19:30		1

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

Analyst: OJS % Moist: Tech: OJS

Seq Number: 3063315 Date Prep:

Prep seq:

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Chromium, Hexavalent	18540-29-9	**0.497**	0.0100	0.00273	mg/L	09.14.18 16:00		1

Certificate of Analytical Results
599188
ARCADIS, Midland, TX
Chevron N. Eunice

Sample Id: **DUP6-W-180914** Matrix: Water Sample Depth:

Lab Sample Id: 599188-010 Date Collected: 09.14.18 09.26 Date Received: 09.14.18 15.14

Analytical Method: TDS by SM2540C Prep Method:

Analyst: OJS % Moist: Tech: OJS

Seq Number: 3063679 Date Prep:

Prep seq:

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Total Dissolved Solids	1642222	**2880**	5.00	5.00	mg/L	09.17.18 16:00		1

Analytical Method: Chloride by EPA 300 Prep Method: E300P

Analyst: SCM % Moist: Tech: SCM

Seq Number: 3063723 Date Prep: 09.18.18 15.00

Prep seq: 7662538

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Chloride	16887-00-6	**638**	10.0	1.72	mg/L	09.19.18 08:42		20

Analytical Method: Dissolved Metals by SW6020A Prep Method: 3010A

Analyst: DEP % Moist: Tech: AHI

Seq Number: 3063644 Date Prep: 09.18.18 09.00

Subcontractor: SUB: TX104704215-18-27 Prep seq: 7662477

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Arsenic	7440-38-2	**0.0101**	0.00400	0.000246	mg/L	09.18.18 19:33		1
Barium	7440-39-3	**0.0250**	0.00400	0.000484	mg/L	09.18.18 19:33		1
Chromium	7440-47-3	**0.383**	0.00400	0.000525	mg/L	09.18.18 19:33		1

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

Analyst: OJS % Moist: Tech: OJS

Seq Number: 3063315 Date Prep:

Prep seq:

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Chromium, Hexavalent	18540-29-9	**0.269**	0.0100	0.00273	mg/L	09.14.18 16:00		1

Certificate of Analytical Results
599188
ARCADIS, Midland, TX
Chevron N. Eunice

Sample Id: **IW023-W-180914** Matrix: Water Sample Depth:

Lab Sample Id: 599188-011 Date Collected: 09.14.18 09.17 Date Received: 09.14.18 15.14

Analytical Method: TDS by SM2540C Prep Method:

Analyst: OJS % Moist: Tech: OJS

Seq Number: 3063679 Date Prep:

Prep seq:

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Total Dissolved Solids	1642222	**2790**	5.00	5.00	mg/L	09.17.18 16:00		1

Analytical Method: Chloride by EPA 300 Prep Method: E300P

Analyst: SCM % Moist: Tech: SCM

Seq Number: 3063723 Date Prep: 09.18.18 15.00

Prep seq: 7662538

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Chloride	16887-00-6	**645**	10.0	1.72	mg/L	09.19.18 08:53		20

Analytical Method: Dissolved Metals by SW6020A Prep Method: 3010A

Analyst: DEP % Moist: Tech: AHI

Seq Number: 3063644 Date Prep: 09.18.18 09.00

Subcontractor: SUB: TX104704215-18-27 Prep seq: 7662477

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Arsenic	7440-38-2	**0.0102**	0.00400	0.000246	mg/L	09.18.18 19:36		1
Barium	7440-39-3	**0.0261**	0.00400	0.000484	mg/L	09.18.18 19:36		1
Chromium	7440-47-3	**0.376**	0.00400	0.000525	mg/L	09.18.18 19:36		1

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

Analyst: OJS % Moist: Tech: OJS

Seq Number: 3063315 Date Prep:

Prep seq:

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Chromium, Hexavalent	18540-29-9	**0.307**	0.0100	0.00273	mg/L	09.14.18 16:00		1

Certificate of Analytical Results
599188
ARCADIS, Midland, TX
Chevron N. Eunice

Sample Id: **MW093SA-W-180914** Matrix: Water Sample Depth:

Lab Sample Id: 599188-012 Date Collected: 09.14.18 00.00 Date Received: 09.14.18 15.14

Analytical Method: TDS by SM2540C Prep Method:

Analyst: OJS % Moist: Tech: OJS

Seq Number: 3063679 Date Prep:

Prep seq:

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Total Dissolved Solids	1642222	**3440**	5.00	5.00	mg/L	09.17.18 16:00		1

Analytical Method: Chloride by EPA 300 Prep Method: E300P

Analyst: SCM % Moist: Tech: SCM

Seq Number: 3063723 Date Prep: 09.18.18 15.00

Prep seq: 7662538

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Chloride	16887-00-6	**914**	25.0	4.29	mg/L	09.19.18 09:03		50

Analytical Method: Dissolved Metals by SW6020A Prep Method: 3010A

Analyst: DEP % Moist: Tech: AHI

Seq Number: 3063644 Date Prep: 09.18.18 09.00

Subcontractor: SUB: TX104704215-18-27 Prep seq: 7662477

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Arsenic	7440-38-2	**0.00859**	0.00400	0.000246	mg/L	09.18.18 19:39		1
Barium	7440-39-3	**0.0345**	0.00400	0.000484	mg/L	09.18.18 19:39		1
Chromium	7440-47-3	**0.494**	0.00400	0.000525	mg/L	09.18.18 19:39		1

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

Analyst: OJS % Moist: Tech: OJS

Seq Number: 3063315 Date Prep:

Prep seq:

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Chromium, Hexavalent	18540-29-9	**0.504**	0.0500	0.0136	mg/L	09.14.18 16:00		5

Certificate of Analytical Results
599188
ARCADIS, Midland, TX
Chevron N. Eunice

Sample Id: **3063196-1-BLK** Matrix: Water Sample Depth:
Lab Sample Id: 3063196-1-BLK Date Collected: Date Received:
Analytical Method: Chromium, Hexavalent by SW 7196A Prep Method:
Analyst: OJS % Moist: Tech: OJS
Seq Number: 3063196 Date Prep:
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	09.14.18 09:00	U	1

Sample Id: **3063315-1-BLK** Matrix: Water Sample Depth:
Lab Sample Id: 3063315-1-BLK Date Collected: Date Received:
Analytical Method: Chromium, Hexavalent by SW 7196A Prep Method:
Analyst: OJS % Moist: Tech: OJS
Seq Number: 3063315 Date Prep:
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	09.14.18 16:00	U	1

Sample Id: **3063679-1-BLK** Matrix: Water Sample Depth:
Lab Sample Id: 3063679-1-BLK Date Collected: Date Received:
Analytical Method: TDS by SM2540C Prep Method:
Analyst: OJS % Moist: Tech: OJS
Seq Number: 3063679 Date Prep:
Prep seq:

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Total Dissolved Solids	1642222	<5.00	5.00	5.00	mg/L	09.17.18 16:00	U	1

Certificate of Analytical Results

599188

ARCADIS, Midland, TX

Chevron N. Eunice

Sample Id: **7662477-1-BLK** Matrix: Water Sample Depth:

Lab Sample Id: 7662477-1-BLK Date Collected: Date Received:

Analytical Method: Dissolved Metals by SW6020A Prep Method: 3010A

Analyst: DEP % Moist: Tech: AHI

Seq Number: 3063644 Date Prep: 09.18.18 09.00

Subcontractor: SUB: TX104704215-18-27 Prep seq: 7662477

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Arsenic	7440-38-2	<0.000246	0.00400	0.000246	mg/L	09.18.18 18:13	U	1
Barium	7440-39-3	<0.000484	0.00400	0.000484	mg/L	09.18.18 18:13	U	1
Chromium	7440-47-3	<0.000525	0.00400	0.000525	mg/L	09.18.18 18:13	U	1

Sample Id: **7662538-1-BLK** Matrix: Water Sample Depth:

Lab Sample Id: 7662538-1-BLK Date Collected: Date Received:

Analytical Method: Chloride by EPA 300 Prep Method: E300P

Analyst: SCM % Moist: Tech: SCM

Seq Number: 3063723 Date Prep: 09.18.18 15.00

Prep seq: 7662538

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Chloride	16887-00-6	<0.0858	0.500	0.0858	mg/L	09.18.18 23:25	U	1

CHRONOLOGY OF HOLDING TIMES

Analytical Method : Chloride by EPA 300
Work Order #: **599188**
Date Received: 09/14/18

Client : ARCADIS
Project ID: B0048789.0004

Field Sample ID	Lab Sample ID	Date Collected	Date Extracted	Max Holding Time Extracted (Days)	Time Held Extracted (Days)	Date Analyzed	Max Holding Time Analyzed (Days)	Time Held Analyzed (Days)	Q
MW007A-W-180914	599188-001	09/14/18				09/19/18	28	5	P
MW011A-W-180914	599188-002	09/14/18				09/19/18	28	5	P
MW002A-W-180914	599188-003	09/14/18				09/19/18	28	5	P
DUP1-W-180914	599188-004	09/14/18				09/19/18	28	5	P
MW016A-W-180914	599188-005	09/14/18				09/19/18	28	5	P
MW047-W-180914	599188-006	09/14/18				09/19/18	28	5	P
MW008M-W-180914	599188-007	09/14/18				09/19/18	28	5	P
MW089SA-W-180914	599188-008	09/14/18				09/19/18	28	5	P
MW004A-W-180914	599188-009	09/14/18				09/19/18	28	5	P
DUP6-W-180914	599188-010	09/14/18				09/19/18	28	5	P
IW023-W-180914	599188-011	09/14/18				09/19/18	28	5	P
MW093SA-W-180914	599188-012	09/14/18				09/19/18	28	5	P

CHRONOLOGY OF HOLDING TIMES

Analytical Method : TDS by SM2540C
Work Order #: **599188**
Date Received: 09/14/18

Client : ARCADIS
Project ID: B0048789.0004

Field Sample ID	Lab Sample ID	Date Collected	Date Extracted	Max Holding Time Extracted (Days)	Time Held Extracted (Days)	Date Analyzed	Max Holding Time Analyzed (Days)	Time Held Analyzed (Days)	Q
MW007A-W-180914	599188-001	09/14/18				09/17/18	7	3	P
MW011A-W-180914	599188-002	09/14/18				09/17/18	7	3	P
MW002A-W-180914	599188-003	09/14/18				09/17/18	7	3	P
DUP1-W-180914	599188-004	09/14/18				09/17/18	7	3	P
MW016A-W-180914	599188-005	09/14/18				09/17/18	7	3	P
MW047-W-180914	599188-006	09/14/18				09/17/18	7	3	P
MW008M-W-180914	599188-007	09/14/18				09/17/18	7	3	P
MW089SA-W-180914	599188-008	09/14/18				09/17/18	7	3	P
MW004A-W-180914	599188-009	09/14/18				09/17/18	7	3	P
DUP6-W-180914	599188-010	09/14/18				09/17/18	7	3	P
IW023-W-180914	599188-011	09/14/18				09/17/18	7	3	P
MW093SA-W-180914	599188-012	09/14/18				09/17/18	7	3	P

CHRONOLOGY OF HOLDING TIMES

Analytical Method : Dissolved Metals by SW6020A
Work Order #: **599188**
Date Received: 09/14/18

Client : ARCADIS
Project ID: B0048789.0004

Field Sample ID	Lab Sample ID	Date Collected	Date Extracted	Max Holding Time Extracted (Days)	Time Held Extracted (Days)	Date Analyzed	Max Holding Time Analyzed (Days)	Time Held Analyzed (Days)	Q
MW007A-W-180914	599188-001	09/14/18	09/18/18	180	4	09/18/18	180	0	P
MW011A-W-180914	599188-002	09/14/18	09/18/18	180	4	09/18/18	180	0	P
MW002A-W-180914	599188-003	09/14/18	09/18/18	180	4	09/18/18	180	0	P
DUP1-W-180914	599188-004	09/14/18	09/18/18	180	4	09/18/18	180	0	P
MW016A-W-180914	599188-005	09/14/18	09/18/18	180	4	09/18/18	180	0	P
MW047-W-180914	599188-006	09/14/18	09/18/18	180	4	09/18/18	180	0	P
MW008M-W-180914	599188-007	09/14/18	09/18/18	180	4	09/18/18	180	0	P
MW089SA-W-180914	599188-008	09/14/18	09/18/18	180	4	09/18/18	180	0	P
MW004A-W-180914	599188-009	09/14/18	09/18/18	180	4	09/18/18	180	0	P
DUP6-W-180914	599188-010	09/14/18	09/18/18	180	4	09/18/18	180	0	P
IW023-W-180914	599188-011	09/14/18	09/18/18	180	4	09/18/18	180	0	P
MW093SA-W-180914	599188-012	09/14/18	09/18/18	180	4	09/18/18	180	0	P

CHRONOLOGY OF HOLDING TIMES

Analytical Method : Chromium, Hexavalent by SW 7196A
Client : ARCADIS
Work Order #: **599188**
Project ID: B0048789.0004
Date Received: 09/14/18

Field Sample ID	Lab Sample ID	Date Collected	Date Extracted	Max Holding Time Extracted (Hour)	Time Held Extracted (Hour)	Date Analyzed	Max Holding Time Analyzed (Hour)	Time Held Analyzed (Hour)	Q
MW007A-W-180914	599188-001	09/14/18				09/14/18	24	6	P
MW011A-W-180914	599188-002	09/14/18				09/14/18	24	3	P
MW002A-W-180914	599188-003	09/14/18				09/14/18	24	6	P
DUP1-W-180914	599188-004	09/14/18				09/14/18	24	6	P
MW016A-W-180914	599188-005	09/14/18				09/14/18	24	5	P
MW047-W-180914	599188-006	09/14/18				09/14/18	24	16	P
MW008M-W-180914	599188-007	09/14/18				09/14/18	24	5	P
MW089SA-W-180914	599188-008	09/14/18				09/14/18	24	6	P
MW004A-W-180914	599188-009	09/14/18				09/14/18	24	6	P
DUP6-W-180914	599188-010	09/14/18				09/14/18	24	7	P
IW023-W-180914	599188-011	09/14/18				09/14/18	24	7	P
MW093SA-W-180914	599188-012	09/14/18				09/14/18	24	16	P

F = These samples were analyzed outside the recommended holding time.
P = Samples analyzed within the recommended holding time.

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.

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

Analytical Log

Analytical Method:	Chromium, Hexavalent by SW 7196A	Batch #:	3063196
Project Name:	Chevron N. Eunice	Project ID:	B0048789.0004
Client Name:	ARCADIS	WO Number:	599188

Client Sample Id	Lab Sample Id	QC Types
DUP1-W-180914	599188-004	SMP
MW002A-W-180914	599188-003	SMP
MW007A-W-180914	599188-001	SMP
MW008M-W-180914	599188-007	SMP
MW011A-W-180914	599188-002	SMP
	3063196-1-BKS	BKS
	3063196-1-BLK	BLK
	3063196-1-BSD	BSD
	599078-020 S	MS
	599078-020 SD	MSD

Analytical Log

Analytical Method:	Chromium, Hexavalent by SW 7196A	Batch #:	3063315
Project Name:	Chevron N. Eunice	Project ID:	B0048789.0004
Client Name:	ARCADIS	WO Number:	599188

Client Sample Id	Lab Sample Id	QC Types
DUP6-W-180914	599188-010	SMP
IW023-W-180914	599188-011	SMP
MW004A-W-180914	599188-009	SMP
MW016A-W-180914	599188-005	SMP
MW047-W-180914	599188-006	SMP
MW089SA-W-180914	599188-008	SMP
MW093SA-W-180914	599188-012	SMP
	3063315-1-BKS	BKS
	3063315-1-BLK	BLK
	3063315-1-BSD	BSD
	599188-005 S	MS
	599188-005 SD	MSD

Analytical Log

Analytical Method:	Dissolved Metals by SW6020A	Batch #:	3063644
Project Name:	Chevron N. Eunice	Project ID:	B0048789.0004
Client Name:	ARCADIS	WO Number:	599188

Client Sample Id	Lab Sample Id	QC Types
DUP1-W-180914	599188-004	SMP
DUP6-W-180914	599188-010	SMP
IW023-W-180914	599188-011	SMP
MW002A-W-180914	599188-003	SMP
MW004A-W-180914	599188-009	SMP
MW007A-W-180914	599188-001	SMP
MW008M-W-180914	599188-007	SMP
MW011A-W-180914	599188-002	SMP
MW016A-W-180914	599188-005	SMP
MW047-W-180914	599188-006	SMP
MW089SA-W-180914	599188-008	SMP
MW093SA-W-180914	599188-012	SMP
	599078-020 S	MS
	599078-020 SD	MSD
	7662477-1-BKS	BKS
	7662477-1-BLK	BLK
	7662477-1-BSD	BSD

Analytical Log

Analytical Method:	TDS by SM2540C	Batch #:	3063679
Project Name:	Chevron N. Eunice	Project ID:	B0048789.0004
Client Name:	ARCADIS	WO Number:	599188

Client Sample Id	Lab Sample Id	QC Types
DUP1-W-180914	599188-004	SMP
DUP6-W-180914	599188-010	SMP
IW023-W-180914	599188-011	SMP
MW002A-W-180914	599188-003	SMP
MW004A-W-180914	599188-009	SMP
MW007A-W-180914	599188-001	SMP
MW008M-W-180914	599188-007	SMP
MW011A-W-180914	599188-002	SMP
MW016A-W-180914	599188-005	SMP
MW047-W-180914	599188-006	SMP
MW089SA-W-180914	599188-008	SMP
MW093SA-W-180914	599188-012	SMP
	3063679-1-BKS	BKS
	3063679-1-BLK	BLK
	3063679-1-BSD	BSD
	599078-021 D	MD
	599188-001 D	MD

Analytical Log

Analytical Method:	Chloride by EPA 300	Batch #:	3063723
Project Name:	Chevron N. Eunice	Project ID:	B0048789.0004
Client Name:	ARCADIS	WO Number:	599188

Client Sample Id	Lab Sample Id	QC Types
DUP1-W-180914	599188-004	SMP
DUP6-W-180914	599188-010	SMP
IW023-W-180914	599188-011	SMP
MW002A-W-180914	599188-003	SMP
MW004A-W-180914	599188-009	SMP
MW007A-W-180914	599188-001	SMP
MW008M-W-180914	599188-007	SMP
MW011A-W-180914	599188-002	SMP
MW016A-W-180914	599188-005	SMP
MW047-W-180914	599188-006	SMP
MW089SA-W-180914	599188-008	SMP
MW093SA-W-180914	599188-012	SMP
	599196-003 S	MS
	599196-003 SD	MSD
	599337-001 S	MS
	599337-001 SD	MSD
	7662538-1-BKS	BKS
	7662538-1-BLK	BLK
	7662538-1-BSD	BSD

BS / BSD Recoveries

Project Name: Chevron N. Eunice

Work Order #: 599188 **Project ID:** B0048789.0004

Analyst: SCM **Date Prepared:** 09/18/2018 **Date Analyzed:** 09/18/2018

Lab Batch ID: 3063723 **Sample:** 7662538-1-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	<0.0858	25.0	26.2	105	25.0	26.1	104	0	90-110	20	

Analyst: OJS **Date Prepared:** 09/14/2018 **Date Analyzed:** 09/14/2018

Lab Batch ID: 3063196 **Sample:** 3063196-1-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	0.0399	100	0.0400	0.0402	101	1	85-115	20	

Analyst: OJS **Date Prepared:** 09/14/2018 **Date Analyzed:** 09/14/2018

Lab Batch ID: 3063315 **Sample:** 3063315-1-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	0.0406	102	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

BS / BSD Recoveries

Project Name: Chevron N. Eunice

Work Order #: 599188 **Project ID:** B0048789.0004

Analyst: DEP **Date Prepared:** 09/18/2018 **Date Analyzed:** 09/18/2018

Lab Batch ID: 3063644 **Sample:** 7662477-1-BKS **Batch #:** 1 **Matrix:** Water

Units: mg/L

BLANK /BLANK SPIKE / BLANK SPIKE DUPLICATE RECOVERY STUDY

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	0.100	100	1	80-120	20	
Barium	<0.000484	0.100	0.0992	99	0.100	0.0977	98	2	80-120	20	
Chromium	<0.000525	0.100	0.0991	99	0.100	0.0983	98	1	80-120	20	

Analyst: OJS **Date Prepared:** 09/17/2018 **Date Analyzed:** 09/17/2018

Lab Batch ID: 3063679 **Sample:** 3063679-1-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	<5.00	1000	962	96	1000	979	98	2	80-120	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

Form 3 - MS / MSD Recoveries

Project Name: Chevron N. Eunice

Work Order # : 599188 **Project ID:** B0048789.0004

Lab Batch ID: 3063723 **QC- Sample ID:** 599196-003 S **Batch #:** 1 **Matrix:** Water

Date Analyzed: 09/19/2018 **Date Prepared:** 09/18/2018 **Analyst:** SCM

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	38.6	25.0	64.5	104	25.0	64.5	104	0	90-110	20	

Lab Batch ID: 3063723 **QC- Sample ID:** 599337-001 S **Batch #:** 1 **Matrix:** Drinking Water

Date Analyzed: 09/19/2018 **Date Prepared:** 09/18/2018 **Analyst:** SCM

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	27.6	25.0	54.5	108	25.0	54.6	108	0	90-110	20	

Lab Batch ID: 3063196 **QC- Sample ID:** 599078-020 S **Batch #:** 1 **Matrix:** Water

Date Analyzed: 09/14/2018 **Date Prepared:** 09/14/2018 **Analyst:** OJS

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	0.203	102	0.200	0.208	104	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.

Form 3 - MS / MSD Recoveries

Project Name: Chevron N. Eunice

Work Order # : 599188 **Project ID:** B0048789.0004

Lab Batch ID: 3063315 **QC- Sample ID:** 599188-005 S **Batch #:** 1 **Matrix:** Water

Date Analyzed: 09/14/2018 **Date Prepared:** 09/14/2018 **Analyst:** OJS

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	0.232	116	0.200	0.233	117	0	75-125	20	

Lab Batch ID: 3063644 **QC- Sample ID:** 599078-020 S **Batch #:** 1 **Matrix:** Water

Date Analyzed: 09/18/2018 **Date Prepared:** 09/18/2018 **Analyst:** DEP

Reporting Units: mg/L

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY STUDY

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	0.0149	0.100	0.115	100	0.100	0.115	100	0	75-125	20	
Barium	0.101	0.100	0.196	95	0.100	0.199	98	2	75-125	20	
Chromium	<0.000525	0.100	0.0997	100	0.100	0.0996	100	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.

Sample Duplicate Recovery

Project Name: Chevron N. Eunice

Work Order #: 599188

Lab Batch #: 3063679 **Project ID:** B0048789.0004

Date Analyzed: 09/17/2018 16:00 **Date Prepared:** 09/17/2018 **Analyst:** OJS

QC- Sample ID: 599078-021 D **Batch #:** 1 **Matrix:** Water

Reporting Units: mg/L

TDS by SM2540C	SAMPLE / SAMPLE DUPLICATE RECOVERY				
Analyte	Parent Sample Result [A]	Sample Duplicate Result [B]	%RPD	RPD Limit	Flag
Total Dissolved Solids	3160	3240	3	10	

Lab Batch #: 3063679

Date Analyzed: 09/17/2018 16:00 **Date Prepared:** 09/17/2018 **Analyst:** OJS

QC- Sample ID: 599188-001 D **Batch #:** 1 **Matrix:** Water

Reporting Units: mg/L

TDS by SM2540C	SAMPLE / SAMPLE DUPLICATE RECOVERY				
Analyte	Parent Sample Result [A]	Sample Duplicate Result [B]	%RPD	RPD Limit	Flag
Total Dissolved Solids	3040	3080	1	10	

Log Difference Log Diff. = Log(Sample Duplicate) - Log(Original Sample)

Spike Relative Difference RPD 200 * | (B-A)/(B+A) |

All Results are based on MDL and validated for QC purposes.

BRL - Below Reporting Limit

Attachment A Laboratory Data Package Cover Page

Project Name: **Chevron N. Eunice** Laboratory Number: **599188**

This Data package consists of : Laboratory Batch No(s) **3063679, 3063315, 3063196, 3063723, 3063**

This signature page, the laboratory review checklist, and the following reportable data:

[X] R1 Field chain-of-custody documentation;

[X] R2 Sample identification cross-reference;

[X] R3 Test reports (analytical data sheets) for each environmental sample that includes:
- a) Items consistent with NELAC 5
- b) dilution factors,
- c) preparation methods,
- d) cleanup methods, and
- e) if required for the project, tentatively identified compounds (TICs).

[X] R4 Surrogate Recovery data including:
- a) Calculated recovery (%R), and
- b) The laboratory's surrogate QC limits.

[X] R5 Test reports/summary forms for blank samples;

[X] R6 Test reports/summary forms for laboratory control samples (LCSs) including:
- a) LCS spiking amounts,
- b) Calculated %R for each analyte, and
- c) The laboratory's LCS QC limits.

[X] R7 Test reports for project matrix spike/matrix spike duplicates (MS/MSDs) including:
- a) Samples associated with the MS/MSD clearly identified,
- b) MS/MSD spiking amounts,
- c) Concentration of each MS/MSD analyte measured in the parent and spiked samples,
- d) Calculated %Rs and relative percent differences (RPDs) and
- e) The laboratory's MS/MSD QC limits

[X] R8 Laboratory anaytical duplicate (if applicable) recovery and precision:
- a) the amount of analyte measured in the duplicate,
- b) the calculated RPD, and
- c) the laboratory's QC limits for analytical duplicates.

[X] R9 List of method quantitation limits (MQLs) and detectability check sample results for each analyte for each method and matrix;

[X] R10 Other problems or anomalies.

[X] Exception Report for every "No" or "Not Reviewed (NR)" item in Laboratory Review Checklist and for each analyte, matrix, and method for which the laboratory does not hold NELAC accreditation under the Texas Laboratory Accreditation Program.

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

Check, if applicable: [ ] This laboratory meets an exception under 30 TAC 25.6 and was last inspection by [ ] TCEQ or [ ] _____ on (enter date of last inspection). Any findings affecting the data in this laboratory data package are noted in the Exception Reports herein. The offical signing the cover page of the report in which these data are used is responsible for releasing this data package and is by signature affirming the above release statement is true.

Kelsey Brooks		**Project Manager**	**21-SEP-18**
Name (Printed)	Signature	Official Title (printed)	Date

A1

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Attachment A (cont'd) : Laboratory Review Checklist: Reportable Data

Laboratory Name:	XENCO LABORATORIES	LRC Date :	21-SEP-18
Project Name:	Chevron N. Eunice	Laboratory Job Number :	599188
Reviewer Name:	KEB	Batch Number(s) :	3063679, 3063315, 3063196, 3063723, 3063644

#[1]	A[2]	Description	Yes	No	NA[3]	NR[4]	ER#[5]
R1	OI	**Chain-of-Custody (COC)**					
		Did samples meet the laboratory's standard conditions of sample acceptability upon receipt?	X				
		Were all departures from standard conditions described in an exception report?			X		
R2	OI	**Sample and Quality Control (QC) Identification**					
		Are all field sample ID numbers cross-referenced to the laboratory ID numbers?	X				
		Are all laboratory ID numbers cross-referenced to the corresponding QC data?	X				
R3	OI	**Test Reports**					
		Were all samples prepared and analyzed within holding times?	X				
		Other than those results <MQL, were all other raw values bracketed by calibration standards?	X				
		Were calculations checked by a peer or supervisor?	X				
		Were all analyte identifications checked by a peer or supervisor?	X				
		Were sample detection limits reported for all analytes not detected?	X				
		Were all results for soil and sediment samples reported on a dry weight basis?			X		
		Were % moisture (or solids) reported for all soil and sediment samples?			X		
		Were bulk soil/solid samples for volatile analysis extracted with methanol per SW846 Method 5035?			X		
		If required for the project, were TICs reported?			X		
R4	O	**Surrogate Recovery Data**					
		Were surrogates added prior to extraction?			X		
		Were surrogate percent recoveries in all samples within the laboratory QC limits?			X		
R5	OI	**Test Reports/Summary Forms for Blank Samples**					
		Were appropriate type(s) of blanks analyzed?	X				
		Were blanks analyzed at the appropriate frequency ?	X				
		Were method blanks taken through the entire analytical procedure, including preparation and, if applicable, cleanup procedures ?	X				
		Were Blank Concentrations <MQL?	X				
R6	OI	**Laboratory Control Samples (LCS):**					
		Were all COCs included in the LCS?	X				
		Was each LCS taken through the entire analytical procedure, including prep and cleanup steps?	X				
		Were LCSs analyzed at the required frequency?	X				
		Were LCS (and LCSD, if applicable) %Rs within the laboratory QC limits?	X				
		Does the detectability check sample data document the laboratory's capability to detect the COCs at the MDL used to calculate the SDLs?	X				
		Was the LCSD RPD within the QC limits?	X				
R7	OI	**Matrix Spike (MS) and Matrix Spike Duplicate (MSD) data**					
		Were the project/method specified analytes included in the MS and MSD?	X				
		Were MS/MSD analyzed at the appropriate frequency?	X				
		Were MS (and MSD, if applicable) %Rs within the laboratory QC limits?	X				
		Were MS/MSD RPDs within the laboratory QC limits?	X				
R8	OI	**Analytical Duplicate Data**					
		Were appropriate analytical duplicates analyzed for each matrix?	X				
		Were analytical duplicates analyzed at the appropriate frequency?	X				
		Were RPDs or relative standard deviations within the laboratory QC limits?	X				
R9	OI	**Method Quantitation Limits (MQLs)**					
		Are the MQLs for each method analyte included in the laboratory data package?	X				
		Do the MQLs correspond to the concentration of the lowest non-zero calibration standard?	X				
		Are unadjusted MQLs and DCSs included in the laboratory data package?	X				
R10	OI	**Other Problems/Anomalies**					
		Are all known problems/anomalies/special conditions noted in this LRC and ER?	X				
		Is the laboratory NELAC-accredited under the Texas Laboratory Accreditation Program for the analytes, matrices and methods associated with this laboratory data package?	X				
		Was applicable and available technology used to lower the SDL to minimize the matrix interference effects on the sample results?	X				

Attachment A (cont'd) : Laboratory Review Checklist: Reportable Data

Laboratory Name:	XENCO LABORATORIES	LRC Date :	21-SEP-18
Project Name:	Chevron N. Eunice	Laboratory Job Number :	599188
Reviewer Name:	KEB	Batch Number(s) :	3063679, 3063315, 3063196, 3063723, 3063644

#[1]	A[2]	Description	Yes	No	NA[3]	NR[4]	ER#[5]
S1	OI	**Initial Calibration (ICAL)**					
		Were response factors and/or relative response factors for each analyte within QC limits?	X				
		Were percent RSDs or correlation coefficient criteria met?	X				
		Was the number of standards recommended in the method used for all analytes?	X				
		Were all points generated between the lowest and the highest standard used to calculate the curve?	X				
		Are ICAL data available for all instruments used?	X				
		Has the initial calibration curve been verified using an appropriate second source standard?	X				
S2	OI	**Initial and Continuing Calibration Verification (ICCV and CCV) and continuing calibration blank (**					
		Was the CCV analyzed at the method-required frequency?	X				
		Were percent differences for each analyte within the method-required QC limits?	X				
		Was the ICAL curve verified for each analyte?	X				
		Was the absolute value of the analyte concentration in the inorganic CCB <MDL?	X				
S3	O	**Mass Spectral Tuning**					
		Was the appropriate compound for the method used for tuning?			X		
		Were ion abundance data within the method-required QC limits?			X		
S4	O	**Internal Standard (IS)**					
		Were IS area counts and retention times within the method-required QC limits?			X		
S5	OI	**Raw Data (NELAC 5.5.10)**					
		Were the raw data (for example, chromatograms, spectral data) reviewed by an analyst?	X				
		Were data associated with manual integrations flagged on the raw data?	X				
S6	O	**Dual Column Confirmation**					
		Did dual column confirmation results meet the method-required QC?			X		
S7	O	**Tentatively Identified Compounds (TICs)**					
		If TICs were requested, were the mass spectra and TIC data subject to appropriate checks?			X		
S8	I	**Interference Check Sample (ICS) Results**					
		Were percent recoveries within method QC limits?	X				
S9	I	**Serial Dilutions, Post Digestions Spikes, and Method of Standard Additions**					
		Were percent differences, recoveries, and the linearity within the QC limits specified in the method?	X				
S10	OI	**Method Detection Limit (MDL) Studies**					
		Was a MDL study performed for each reported analyte?	X				
		Is the MDL either adjusted or supported by the analysis of DCSs?	X				
S11	OI	**Proficiency Test Reports**					
		Was the laboratory's performance acceptable on the applicable proficiency tests or evaluation studies?	X				
S12	OI	**Standards Documentation**					
		Are all standards used in the analyses NIST-traceable or obtained from other appropriate sources?	X				
S13	OI	**Compound/Analyte Identification Procedures**					
		Are the procedures for compound/analyte identification documented?	X				
S14	OI	**Demonstration of Analyst Competency (DOC)**					
		Was DOC conducted consistent with NELAC Chapter 5?	X				
		Is documentation of the analyst's competency up-to-date and on file?	X				
S15	OI	**Verification/Validation Documentation for Methods (NELAC Chapter 5)**					
		Are all methods used to generate the data documented, verified, and validated, where applicable?	X				
S16	OI	**Laboratory Standard Operating Procedures (SOPs)**					
		Are laboratory SOPs current and on file for each method performed?	X				

1. Items identified by the letter "R" must be included in the laboratory data package submitted to the TCEQ-required report(s). Items identified by the letter "S" should be retained and made available upon request for the appropriate retention period.
2. O = organic analyses; I = inorganic analyses (and general chemistry, when applicable).
3. NA = Not applicable;
4. NR = Not reviewed;
5. ER# = Exception Report Identification number (an Exception Report should be completed for an item if "NR" or "No" is checked).

Attachment A (cont'd): Laboratory Review Checklist: Exception Reports

Laboratory Name:	XENCO LABORATORIES	LRC Date:	21-SEP-18
Project Name:	Chevron N. Eunice	Laboratory Job Number:	599188
Reviewer Name:	KEB	Batch Number(s) :	3063679, 3063315, 3063196, 3063723, 3063644

ER# [1]	DESCRIPTION

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

A4

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DCS Summary 599188

ARCADIS, Midland, TX

Chevron N. Eunice

Analytical Method: **Chloride by EPA 300** Matrix: **Water**

Prep Method: **E300P** Laboratory: **Xenco - Midland**

Parameter	SDL	MQL	Spike Amount	Actual Amount	Units
Chloride	0.0858	0.500	0.250	0.177	mg/L

Analytical Method: **Chromium, Hexavalent by SW 7196A** Matrix: **Water**

Prep Method: Laboratory: **Xenco - Midland**

Parameter	SDL	MQL	Spike Amount	Actual Amount	Units
Chromium, Hexavalent	0.00273	0.0100	0.00800	0.00510	mg/L

Analytical Method: **Dissolved Metals by SW6020A** Matrix: **Water**

Prep Method: **SW3010A** Laboratory: **Xenco - Houston**

Parameter	SDL	MQL	Spike Amount	Actual Amount	Units
Arsenic	0.000246	0.00400	0.00200	0.00294	mg/L
Barium	0.000484	0.00400	0.00400	0.00401	mg/L
Chromium	0.000525	0.00400	0.00200	0.00400	mg/L

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ARCADIS

ID#:

CHAIN OF CUSTODY & LABORATORY ANALYSIS REQUEST FORM

Page 1 of 1

Lab Work Order #: 599188

Send Results to:

Contact & Company Name: Brett Krehbiel Arcadis
Telephone: 916-786-0320
Address: 101 Creekside Ridge Court, Suite 200
Fax: 916-786-0366
City: Roseville State: CA Zip: 95678
E-mail Address: brett.krehbiel@arcadis.com
Project Name/Location (City, State): Chevron N. Eunice
Project #: B0048789.0004
Sampler's Printed Name: Jerry Montgomery
Sampler's Signature:

Sample ID	Collection Date	Collection Time	Type (✓) Comp	Type (✓) Grab	Matrix	Preservative	Filtered (✓)	# of Containers	Container Information	BTEX 8021B	TPH GRO & DRO 8015B	Dissolved As, Mn, Fe, Cr 6010B	Dissolved Hex Chromium 7196	Chloride & TDS	REMARKS
						B		1	1						
						B		1	1						
						C	✓	3	3						
						E	✓	4	4						
						E		4	4						
MW07A-W-180914	9/14/18	0946		X	W							1	1	1	
MW011A-W-180914	9/14/18	1014		X	W							1	1	1	
MW002A-W-180914	9/14/18	1034		X	W							1	1	1	
DUP-1-W-180914	9/14/18	—		X	W							1	1	1	
MW01EA-W-180914	9/14/18	1113		X	W							1	1	1	
MW047-W-180914	9/14/18	0937		X	W							1	1	1	
MW008M-W-180914	9/14/18	0957		X	W							1	1	1	
MW095A-W-180914	9/14/18	0926		X	W							1	1	1	
MW004A-W-180914	9/14/18	0917		X	W							1	1	1	
DUP2-W-180914	9/14/18	—		X	W							1	1	1	
EW023-W-180914	9/14/18	0850		X	W							1	1	1	
MW035A-W-180914	9/14/18	0904		X	W							1	1	1	

Keys

Preservation Key:
A. H_2SO_4
B. HCL
C. HNO_3
D. NaOH
E. None
F. Other: _____
G. Other: _____
H. Other: _____

Container Information Key:
1. 40 ml Vial
2. 1 L Amber
3. 250 ml Plastic
4. 500 ml Plastic
5. Encore
6. 2 oz. Glass
7. 4 oz. Glass
8. 8 oz. Glass
9. Other: _____
10. Other: _____

Matrix Key:
SO - Soil
W - Water
T - Tissue
SE - Sediment
SL - Sludge
A - Air
NL - NAPL/Oil
SW - Sample Wipe
Other: _____

Special Instructions/Comments:

☐ Special QA/QC Instructions(✓):

Temp. 5.3 R8 0.0

Laboratory Information and Receipt		Relinquished By	Received By	Relinquished By	Laboratory Received By
Lab Name: Xenco	Cooler Custody Seal (✓) ☐ Intact ☐ Not Intact	Printed Name: Jerry Montgomery	Printed Name: Shawnee Gomez	Printed Name:	Printed Name:
☒ Cooler packed with ice (✓)		Signature:	Signature: Shawnee Gomez	Signature:	Signature:
Specify Turnaround Requirements: Standard TAT	Sample Receipt:	Firm: Arcadis	Firm/Courier: Xenco	Firm/Courier:	Firm:
Shipping Tracking #:	Condition/Cooler Temp: _____	Date/Time: 09/14/18 1514	Date/Time: 9.14.18 15:14	Date/Time:	Date/Time:

20730828 CofC AR Form 08.27.2015

Distribution: WHITE – Laboratory returns with results YELLOW – Lab copy PINK – Retained by Arcadis

Received by OCD: 3/25/2020 3:45:40 PM
Released to Imaging: 6/14/2022 10:44:20 AM
Final 1.000
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Inter-Office Shipment

IOS Number **114043**

Date/Time: 09/14/18 15:39
Lab# From: **Midland**
Lab# To: **Houston**

Created by: Shawnee Gomez
Delivery Priority:
Air Bill No.: 773225421654

Please send report to: Kelsey Brooks
Address: 1211 W. Florida Ave, Midland TX 79701
E-Mail: kelsey.brooks@xenco.com

Sample Id	Matrix	Client Sample Id	Sample Collection	Method	Method Name	Lab Due	HT Due	PM	Analytes	Sign
599188-001	W	MW07A-W-180914	09/14/18 09:46	SW6020_DIS	Dissolved Metals by SW6020A	09/20/18	03/13/19	KEB	AS BA CR	
599188-002	W	MW011A-W-180914	09/14/18 12:53	SW6020_DIS	Dissolved Metals by SW6020A	09/20/18	03/13/19	KEB	AS BA CR	
599188-003	W	MW002A-W-180914	09/14/18 09:46	SW6020_DIS	Dissolved Metals by SW6020A	09/20/18	03/13/19	KEB	AS BA CR	
599188-004	W	DUP-1-N-180914	09/14/18 10:18	SW6020_DIS	Dissolved Metals by SW6020A	09/20/18	03/13/19	KEB	AS BA CR	
599188-005	W	MW016A-W-180914	09/14/18 10:34	SW6020_DIS	Dissolved Metals by SW6020A	09/20/18	03/13/19	KEB	AS BA CR	
599188-006	W	MW047-W-180914	09/14/18 00:00	SW6020_DIS	Dissolved Metals by SW6020A	09/20/18	03/13/19	KEB	AS BA CR	
599188-007	W	MW008-M-180914	09/14/18 11:13	SW6020_DIS	Dissolved Metals by SW6020A	09/20/18	03/13/19	KEB	AS BA CR	
599188-008	W	MW089SA-W-180914	09/14/18 09:32	SW6020_DIS	Dissolved Metals by SW6020A	09/20/18	03/13/19	KEB	AS BA CR	
599188-009	W	MW004A-W-180914	09/14/18 09:57	SW6020_DIS	Dissolved Metals by SW6020A	09/20/18	03/13/19	KEB	AS BA CR	
599188-010	W	DUP-6-W-180914	09/14/18 09:26	SW6020_DIS	Dissolved Metals by SW6020A	09/20/18	03/13/19	KEB	AS BA CR	
599188-011	W	IW023-W-180914	09/14/18 09:17	SW6020_DIS	Dissolved Metals by SW6020A	09/20/18	03/13/19	KEB	AS BA CR	
599188-012	W	MW0935A-W-180914	09/14/18 00:00	SW6020_DIS	Dissolved Metals by SW6020A	09/20/18	03/13/19	KEB	AS BA CR	

Inter Office Shipment or Sample Comments:

Relinquished By: Shawnee Gomez

Date Relinquished: 09/14/2018

Received By: Rene Vandenberghe

Date Received: 09/15/2018 09:30

Cooler Temperature: 3.2

XENCO Laboratories

Inter Office Report- Sample Receipt Checklist

Sent To: Houston

IOS #: 114043

Acceptable Temperature Range: 0 - 6 degC
Air and Metal samples Acceptable Range: Ambient
Temperature Measuring device used : hou-068

Sent By: Shawnee Gomez **Date Sent:** 09/14/2018 03:39 PM

Received By: Rene Vandenberghe **Date Received:** 09/15/2018 09:30 AM

Sample Receipt Checklist		Comments
#1 *Temperature of cooler(s)?	3.2	
#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: R. C. Vandenberghe Date: 09/15/2018

Rene Vandenberghe

XENCO Laboratories

Prelogin/Nonconformance Report- Sample Log-In

Client: ARCADIS

Date/ Time Received: 09/14/2018 03:14:00 PM

Work Order #: 599188

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

Temperature Measuring device used : R8

Sample Receipt Checklist		Comments
#1 *Temperature of cooler(s)?	5.3	
#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**	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: SG PH Device/Lot#: 213315

Checklist completed by: Shawnee Gomez Date: 09/14/2018

Checklist reviewed by: Kelsey Brooks Date: 09/17/2018

Analytical Report 599188

for

ARCADIS

Project Manager: Brett Krehbiel

Chevron N. Eunice

B0048789.0004

26-SEP-18

Collected By: Client





1211 W. Florida Ave, Midland TX 79701

Xenco-Houston (EPA Lab Code: TX00122):
Texas (T104704215-18-27), Arizona (AZ0765), Florida (E871002-24), Louisiana (03054)
Oklahoma (2017-142)

Xenco-Dallas (EPA Lab Code: TX01468):
Texas (T104704295-18-17), Arizona (AZ0809), Arkansas (17-063-0)

Xenco-El Paso (EPA Lab Code: TX00127): Texas (T104704221-18-13)
Xenco-Lubbock (EPA Lab Code: TX00139): Texas (T104704219-18-17)
Xenco-Midland (EPA Lab Code: TX00158): Texas (T104704400-18-16)
Xenco-San Antonio (EPA Lab Code: TNI02385): Texas (T104704534-18-4)
Xenco Phoenix (EPA Lab Code: AZ00901): Arizona (AZ0757)
Xenco-Phoenix Mobile (EPA Lab Code: AZ00901): Arizona (AZM757)
Xenco-Atlanta (LELAP Lab ID #04176)
Xenco-Tampa: Florida (E87429)
Xenco-Lakeland: Florida (E84098)

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26-SEP-18

Project Manager: **Brett Krehbiel**
ARCADIS
1004 N. Big Spring St.
Midland, TX 79701

Reference: XENCO Report No(s): **599188**
Chevron N. Eunice
Project Address: Eunice, NM

Brett Krehbiel:

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 XENCO Report Number(s) 599188. 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 XENCO Laboratories. 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. 599188 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 XENCO Laboratories to serve your analytical needs. If you have any questions concerning this report, please feel free to contact us at any time.

Respectfully,

Kelsey Brooks
Project Manager

Recipient of the Prestigious Small Business Administration Award of Excellence in 1994.
Certified and approved by numerous States and Agencies.
A Small Business and Minority Status Company that delivers SERVICE and QUALITY

Houston - Dallas - Midland - San Antonio - Phoenix - Oklahoma - Latin America

Sample Cross Reference 599188

ARCADIS, Midland, TX

Chevron N. Eunice

Sample Id	Matrix	Date Collected	Sample Depth	Lab Sample Id
MW007A-W-180914	W	09-14-18 09:46		599188-001
MW011A-W-180914	W	09-14-18 12:53		599188-002
MW002A-W-180914	W	09-14-18 09:46		599188-003
DUP01-W-180914	W	09-14-18 10:18		599188-004
MW016A-W-180914	W	09-14-18 10:34		599188-005
MW047-W-180914	W	09-14-18 00:00		599188-006
MW008M-W-180914	W	09-14-18 11:13		599188-007
MW089SA-W-180914	W	09-14-18 09:32		599188-008
MW004A-W-180914	W	09-14-18 09:57		599188-009
DUP06-W-180914	W	09-14-18 09:26		599188-010
IW023-W-180914	W	09-14-18 09:17		599188-011
MW093SA-W-180914	W	09-14-18 00:00		599188-012

CASE NARRATIVE SUMMARY

Client Name: ***ARCADIS***

Project Name: ***Chevron N. Eunice***

Project ID:	*B0048789.0004*	*Report Date:*	*26-SEP-18*
Work Order Number:	*599188*	*Date Received:*	*14-SEP-18*

Kelsey Brooks
Project Manager

Certificate of Analytical Results

599188

ARCADIS, Midland, TX

Chevron N. Eunice

Sample Id: **MW007A-W-180914** Matrix: Water Sample Depth:

Lab Sample Id: 599188-001 Date Collected: 09.14.18 09.46 Date Received: 09.14.18 15.14

Analytical Method: TDS by SM2540C Prep Method:

Analyst: OJS % Moist: Tech: OJS

Seq Number: 3063679 Date Prep:

Prep seq:

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Total Dissolved Solids	1642222	**3040**	5.00	5.00	mg/L	09.17.18 16:00		1

Analytical Method: Chloride by EPA 300 Prep Method: E300P

Analyst: SCM % Moist: Tech: SCM

Seq Number: 3063723 Date Prep: 09.18.18 15.00

Prep seq: 7662538

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Chloride	16887-00-6	**801**	10.0	1.72	mg/L	09.19.18 01:29		20

Analytical Method: Dissolved Metals by SW6020A Prep Method: 3010A

Analyst: DEP % Moist: Tech: AHI

Seq Number: 3063644 Date Prep: 09.18.18 09.00

Subcontractor: SUB: TX104704215-18-27 Prep seq: 7662477

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Arsenic	7440-38-2	**0.0115**	0.00400	0.000246	mg/L	09.18.18 18:58		1
Barium	7440-39-3	**0.0195**	0.00400	0.000484	mg/L	09.18.18 18:58		1
Chromium	7440-47-3	**0.763**	0.00400	0.000525	mg/L	09.18.18 18:58		1

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

Analyst: OJS % Moist: Tech: OJS

Seq Number: 3063196 Date Prep:

Prep seq:

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Chromium, Hexavalent	18540-29-9	**0.670**	0.0500	0.0136	mg/L	09.14.18 16:00		5

Certificate of Analytical Results

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ARCADIS, Midland, TX

Chevron N. Eunice

Sample Id: **MW011A-W-180914** Matrix: Water Sample Depth:

Lab Sample Id: 599188-002 Date Collected: 09.14.18 12.53 Date Received: 09.14.18 15.14

Analytical Method: TDS by SM2540C Prep Method:

Analyst: OJS % Moist: Tech: OJS

Seq Number: 3063679 Date Prep:

Prep seq:

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Total Dissolved Solids	1642222	**2160**	5.00	5.00	mg/L	09.17.18 16:00		1

Analytical Method: Dissolved Metals by SW6020A Prep Method: 3010A

Analyst: DEP % Moist: Tech: AHI

Seq Number: 3063644 Date Prep: 09.18.18 09.00

Subcontractor: SUB: TX104704215-18-27 Prep seq: 7662477

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Arsenic	7440-38-2	**0.0142**	0.00400	0.000246	mg/L	09.18.18 19:01		1
Barium	7440-39-3	**0.0265**	0.00400	0.000484	mg/L	09.18.18 19:01		1
Chromium	7440-47-3	**0.291**	0.00400	0.000525	mg/L	09.18.18 19:01		1

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

Analyst: OJS % Moist: Tech: OJS

Seq Number: 3063196 Date Prep:

Prep seq:

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Chromium, Hexavalent	18540-29-9	**0.242**	0.0100	0.00273	mg/L	09.14.18 16:00		1

Sample Id: **MW011A-W-180914** Matrix: Water Sample Depth:

Lab Sample Id: 599188-002 Date Collected: 09.14.18 12.53 Date Received: 09.14.18 15.14

Analytical Method: Chloride by EPA 300 Prep Method: E300P

Analyst: SCM % Moist: Tech: SCM

Seq Number: 3063723 Date Prep: 09.18.18 15.00

Prep seq: 7662538

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Chloride	16887-00-6	**646**	10.0	1.72	mg/L	09.19.18 01:40		20

Certificate of Analytical Results
599188
ARCADIS, Midland, TX
Chevron N. Eunice

Sample Id: **MW002A-W-180914** Matrix: Water Sample Depth:

Lab Sample Id: 599188-003 Date Collected: 09.14.18 09.46 Date Received: 09.14.18 15.14

Analytical Method: TDS by SM2540C Prep Method:

Analyst: OJS % Moist: Tech: OJS

Seq Number: 3063679 Date Prep:

Prep seq:

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Total Dissolved Solids	1642222	**3330**	5.00	5.00	mg/L	09.17.18 16:00		1

Analytical Method: Chloride by EPA 300 Prep Method: E300P

Analyst: SCM % Moist: Tech: SCM

Seq Number: 3063723 Date Prep: 09.18.18 15.00

Prep seq: 7662538

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Chloride	16887-00-6	**1610**	25.0	4.29	mg/L	09.19.18 01:50		50

Analytical Method: Dissolved Metals by SW6020A Prep Method: 3010A

Analyst: DEP % Moist: Tech: AHI

Seq Number: 3063644 Date Prep: 09.18.18 09.00

Subcontractor: SUB: TX104704215-18-27 Prep seq: 7662477

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Arsenic	7440-38-2	**0.0195**	0.00400	0.000246	mg/L	09.18.18 19:04		1
Barium	7440-39-3	**0.0252**	0.00400	0.000484	mg/L	09.18.18 19:04		1
Chromium	7440-47-3	**0.963**	0.00400	0.000525	mg/L	09.18.18 19:04		1

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

Analyst: OJS % Moist: Tech: OJS

Seq Number: 3063196 Date Prep:

Prep seq:

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Chromium, Hexavalent	18540-29-9	**0.796**	0.0500	0.0136	mg/L	09.14.18 16:00		5

Certificate of Analytical Results
599188
ARCADIS, Midland, TX
Chevron N. Eunice

Sample Id: **DUP01-W-180914** Matrix: Water Sample Depth:

Lab Sample Id: 599188-004 Date Collected: 09.14.18 10.18 Date Received: 09.14.18 15.14

Analytical Method: TDS by SM2540C Prep Method:

Analyst: OJS % Moist: Tech: OJS

Seq Number: 3063679 Date Prep:

Prep seq:

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Total Dissolved Solids	1642222	**2080**	5.00	5.00	mg/L	09.17.18 16:00		1

Analytical Method: Chloride by EPA 300 Prep Method: E300P

Analyst: SCM % Moist: Tech: SCM

Seq Number: 3063723 Date Prep: 09.18.18 15.00

Prep seq: 7662538

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Chloride	16887-00-6	**576**	10.0	1.72	mg/L	09.19.18 02:00		20

Analytical Method: Dissolved Metals by SW6020A Prep Method: 3010A

Analyst: DEP % Moist: Tech: AHI

Seq Number: 3063644 Date Prep: 09.18.18 09.00

Subcontractor: SUB: TX104704215-18-27 Prep seq: 7662477

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Arsenic	7440-38-2	**0.0136**	0.00400	0.000246	mg/L	09.18.18 19:07		1
Barium	7440-39-3	**0.0252**	0.00400	0.000484	mg/L	09.18.18 19:07		1
Chromium	7440-47-3	**0.277**	0.00400	0.000525	mg/L	09.18.18 19:07		1

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

Analyst: OJS % Moist: Tech: OJS

Seq Number: 3063196 Date Prep:

Prep seq:

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Chromium, Hexavalent	18540-29-9	**0.239**	0.0100	0.00273	mg/L	09.14.18 16:00		1

Certificate of Analytical Results
599188
ARCADIS, Midland, TX
Chevron N. Eunice

Sample Id: **MW016A-W-180914** Matrix: Water Sample Depth:

Lab Sample Id: 599188-005 Date Collected: 09.14.18 10.34 Date Received: 09.14.18 15.14

Analytical Method: TDS by SM2540C Prep Method:

Analyst: OJS % Moist: Tech: OJS

Seq Number: 3063679 Date Prep:

Prep seq:

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Total Dissolved Solids	1642222	**1290**	5.00	5.00	mg/L	09.17.18 16:00		1

Analytical Method: Chloride by EPA 300 Prep Method: E300P

Analyst: SCM % Moist: Tech: SCM

Seq Number: 3063723 Date Prep: 09.18.18 15.00

Prep seq: 7662538

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Chloride	16887-00-6	**513**	5.00	0.858	mg/L	09.19.18 02:11		10

Analytical Method: Dissolved Metals by SW6020A Prep Method: 3010A

Analyst: DEP % Moist: Tech: AHI

Seq Number: 3063644 Date Prep: 09.18.18 09.00

Subcontractor: SUB: TX104704215-18-27 Prep seq: 7662477

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Arsenic	7440-38-2	**0.00914**	0.00400	0.000246	mg/L	09.18.18 19:10		1
Barium	7440-39-3	**0.200**	0.00400	0.000484	mg/L	09.18.18 19:10		1
Chromium	7440-47-3	**0.00528**	0.00400	0.000525	mg/L	09.18.18 19:10		1

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

Analyst: OJS % Moist: Tech: OJS

Seq Number: 3063315 Date Prep:

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	09.14.18 16:00	U	1

Certificate of Analytical Results
599188
ARCADIS, Midland, TX
Chevron N. Eunice

Sample Id: **MW047-W-180914** Matrix: Water Sample Depth:

Lab Sample Id: 599188-006 Date Collected: 09.14.18 00.00 Date Received: 09.14.18 15.14

Analytical Method: TDS by SM2540C Prep Method:

Analyst: OJS % Moist: Tech: OJS

Seq Number: 3063679 Date Prep:

Prep seq:

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Total Dissolved Solids	1642222	**1950**	5.00	5.00	mg/L	09.17.18 16:00		1

Analytical Method: Chloride by EPA 300 Prep Method: E300P

Analyst: SCM % Moist: Tech: SCM

Seq Number: 3063723 Date Prep: 09.18.18 15.00

Prep seq: 7662538

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Chloride	16887-00-6	**276**	10.0	1.72	mg/L	09.19.18 02:52		20

Analytical Method: Dissolved Metals by SW6020A Prep Method: 3010A

Analyst: DEP % Moist: Tech: AHI

Seq Number: 3063644 Date Prep: 09.18.18 09.00

Subcontractor: SUB: TX104704215-18-27 Prep seq: 7662477

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Arsenic	7440-38-2	**0.0120**	0.00400	0.000246	mg/L	09.19.18 17:55		1
Barium	7440-39-3	**0.0337**	0.00400	0.000484	mg/L	09.19.18 17:55		1
Chromium	7440-47-3	**0.0600**	0.00400	0.000525	mg/L	09.19.18 17:55		1

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

Analyst: OJS % Moist: Tech: OJS

Seq Number: 3063315 Date Prep:

Prep seq:

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Chromium, Hexavalent	18540-29-9	**0.0507**	0.0100	0.00273	mg/L	09.14.18 16:00		1

Certificate of Analytical Results
599188
ARCADIS, Midland, TX
Chevron N. Eunice

Sample Id: **MW008M-W-180914** Matrix: Water Sample Depth:

Lab Sample Id: 599188-007 Date Collected: 09.14.18 11.13 Date Received: 09.14.18 15.14

Analytical Method: TDS by SM2540C Prep Method:

Analyst: OJS % Moist: Tech: OJS

Seq Number: 3063679 Date Prep:

Prep seq:

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Total Dissolved Solids	1642222	**4600**	5.00	5.00	mg/L	09.17.18 16:00		1

Analytical Method: Chloride by EPA 300 Prep Method: E300P

Analyst: SCM % Moist: Tech: SCM

Seq Number: 3063723 Date Prep: 09.18.18 15.00

Prep seq: 7662538

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Chloride	16887-00-6	**1350**	25.0	4.29	mg/L	09.19.18 03:03		50

Analytical Method: Dissolved Metals by SW6020A Prep Method: 3010A

Analyst: DEP % Moist: Tech: AHI

Seq Number: 3063644 Date Prep: 09.18.18 09.00

Subcontractor: SUB: TX104704215-18-27 Prep seq: 7662477

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Arsenic	7440-38-2	**0.00312**	0.00400	0.000246	mg/L	09.18.18 19:17	J	1
Barium	7440-39-3	**0.0831**	0.00400	0.000484	mg/L	09.18.18 19:17		1
Chromium	7440-47-3	**0.00775**	0.00400	0.000525	mg/L	09.18.18 19:17		1

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

Analyst: OJS % Moist: Tech: OJS

Seq Number: 3063196 Date Prep:

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	09.14.18 16:00	U	1

Certificate of Analytical Results
599188
ARCADIS, Midland, TX
Chevron N. Eunice

Sample Id: **MW089SA-W-180914** Matrix: Water Sample Depth:

Lab Sample Id: 599188-008 Date Collected: 09.14.18 09.32 Date Received: 09.14.18 15.14

Analytical Method: TDS by SM2540C Prep Method:

Analyst: OJS % Moist: Tech: OJS

Seq Number: 3063679 Date Prep:

Prep seq:

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Total Dissolved Solids	1642222	**3780**	5.00	5.00	mg/L	09.17.18 16:00		1

Analytical Method: Chloride by EPA 300 Prep Method: E300P

Analyst: SCM % Moist: Tech: SCM

Seq Number: 3063723 Date Prep: 09.18.18 15.00

Prep seq: 7662538

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Chloride	16887-00-6	**1040**	25.0	4.29	mg/L	09.19.18 08:22		50

Analytical Method: Dissolved Metals by SW6020A Prep Method: 3010A

Analyst: DEP % Moist: Tech: AHI

Seq Number: 3063644 Date Prep: 09.18.18 09.00

Subcontractor: SUB: TX104704215-18-27 Prep seq: 7662477

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Arsenic	7440-38-2	**0.0109**	0.00400	0.000246	mg/L	09.18.18 19:26		1
Barium	7440-39-3	**0.0211**	0.00400	0.000484	mg/L	09.18.18 19:26		1
Chromium	7440-47-3	**1.18**	0.00400	0.000525	mg/L	09.18.18 19:26		1

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

Analyst: OJS % Moist: Tech: OJS

Seq Number: 3063315 Date Prep:

Prep seq:

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Chromium, Hexavalent	18540-29-9	**1.04**	0.0500	0.0136	mg/L	09.14.18 16:00		5

Certificate of Analytical Results
599188
ARCADIS, Midland, TX
Chevron N. Eunice

Sample Id: **MW004A-W-180914** Matrix: Water Sample Depth:

Lab Sample Id: 599188-009 Date Collected: 09.14.18 09.57 Date Received: 09.14.18 15.14

Analytical Method: TDS by SM2540C Prep Method:

Analyst: OJS % Moist: Tech: OJS

Seq Number: 3063679 Date Prep:

Prep seq:

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Total Dissolved Solids	1642222	**2230**	5.00	5.00	mg/L	09.17.18 16:00		1

Analytical Method: Chloride by EPA 300 Prep Method: E300P

Analyst: SCM % Moist: Tech: SCM

Seq Number: 3063723 Date Prep: 09.18.18 15.00

Prep seq: 7662538

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Chloride	16887-00-6	**632**	10.0	1.72	mg/L	09.19.18 08:32		20

Analytical Method: Dissolved Metals by SW6020A Prep Method: 3010A

Analyst: DEP % Moist: Tech: AHI

Seq Number: 3063644 Date Prep: 09.18.18 09.00

Subcontractor: SUB: TX104704215-18-27 Prep seq: 7662477

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Arsenic	7440-38-2	**0.0158**	0.00400	0.000246	mg/L	09.18.18 19:30		1
Barium	7440-39-3	**0.0231**	0.00400	0.000484	mg/L	09.18.18 19:30		1
Chromium	7440-47-3	**0.515**	0.00400	0.000525	mg/L	09.18.18 19:30		1

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

Analyst: OJS % Moist: Tech: OJS

Seq Number: 3063315 Date Prep:

Prep seq:

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Chromium, Hexavalent	18540-29-9	**0.497**	0.0100	0.00273	mg/L	09.14.18 16:00		1

Certificate of Analytical Results
599188
ARCADIS, Midland, TX
Chevron N. Eunice

Sample Id: **DUP06-W-180914** Matrix: Water Sample Depth:

Lab Sample Id: 599188-010 Date Collected: 09.14.18 09.26 Date Received: 09.14.18 15.14

Analytical Method: TDS by SM2540C Prep Method:

Analyst: OJS % Moist: Tech: OJS

Seq Number: 3063679 Date Prep:

Prep seq:

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Total Dissolved Solids	1642222	**2880**	5.00	5.00	mg/L	09.17.18 16:00		1

Analytical Method: Chloride by EPA 300 Prep Method: E300P

Analyst: SCM % Moist: Tech: SCM

Seq Number: 3063723 Date Prep: 09.18.18 15.00

Prep seq: 7662538

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Chloride	16887-00-6	**638**	10.0	1.72	mg/L	09.19.18 08:42		20

Analytical Method: Dissolved Metals by SW6020A Prep Method: 3010A

Analyst: DEP % Moist: Tech: AHI

Seq Number: 3063644 Date Prep: 09.18.18 09.00

Subcontractor: SUB: TX104704215-18-27 Prep seq: 7662477

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Arsenic	7440-38-2	**0.0101**	0.00400	0.000246	mg/L	09.18.18 19:33		1
Barium	7440-39-3	**0.0250**	0.00400	0.000484	mg/L	09.18.18 19:33		1
Chromium	7440-47-3	**0.383**	0.00400	0.000525	mg/L	09.18.18 19:33		1

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

Analyst: OJS % Moist: Tech: OJS

Seq Number: 3063315 Date Prep:

Prep seq:

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Chromium, Hexavalent	18540-29-9	**0.269**	0.0100	0.00273	mg/L	09.14.18 16:00		1

Certificate of Analytical Results
599188
ARCADIS, Midland, TX
Chevron N. Eunice

Sample Id: **IW023-W-180914** Matrix: Water Sample Depth:

Lab Sample Id: 599188-011 Date Collected: 09.14.18 09.17 Date Received: 09.14.18 15.14

Analytical Method: TDS by SM2540C Prep Method:

Analyst: OJS % Moist: Tech: OJS

Seq Number: 3063679 Date Prep:

Prep seq:

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Total Dissolved Solids	1642222	**2790**	5.00	5.00	mg/L	09.17.18 16:00		1

Analytical Method: Chloride by EPA 300 Prep Method: E300P

Analyst: SCM % Moist: Tech: SCM

Seq Number: 3063723 Date Prep: 09.18.18 15.00

Prep seq: 7662538

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Chloride	16887-00-6	**645**	10.0	1.72	mg/L	09.19.18 08:53		20

Analytical Method: Dissolved Metals by SW6020A Prep Method: 3010A

Analyst: DEP % Moist: Tech: AHI

Seq Number: 3063644 Date Prep: 09.18.18 09.00

Subcontractor: SUB: TX104704215-18-27 Prep seq: 7662477

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Arsenic	7440-38-2	**0.0102**	0.00400	0.000246	mg/L	09.18.18 19:36		1
Barium	7440-39-3	**0.0261**	0.00400	0.000484	mg/L	09.18.18 19:36		1
Chromium	7440-47-3	**0.376**	0.00400	0.000525	mg/L	09.18.18 19:36		1

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

Analyst: OJS % Moist: Tech: OJS

Seq Number: 3063315 Date Prep:

Prep seq:

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Chromium, Hexavalent	18540-29-9	**0.307**	0.0100	0.00273	mg/L	09.14.18 16:00		1

Certificate of Analytical Results

599188

ARCADIS, Midland, TX

Chevron N. Eunice

Sample Id: **MW093SA-W-180914** Matrix: Water Sample Depth:

Lab Sample Id: 599188-012 Date Collected: 09.14.18 00.00 Date Received: 09.14.18 15.14

Analytical Method: TDS by SM2540C Prep Method:

Analyst: OJS % Moist: Tech: OJS

Seq Number: 3063679 Date Prep:

Prep seq:

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Total Dissolved Solids	1642222	**3440**	5.00	5.00	mg/L	09.17.18 16:00		1

Analytical Method: Chloride by EPA 300 Prep Method: E300P

Analyst: SCM % Moist: Tech: SCM

Seq Number: 3063723 Date Prep: 09.18.18 15.00

Prep seq: 7662538

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Chloride	16887-00-6	**914**	25.0	4.29	mg/L	09.19.18 09:03		50

Analytical Method: Dissolved Metals by SW6020A Prep Method: 3010A

Analyst: DEP % Moist: Tech: AHI

Seq Number: 3063644 Date Prep: 09.18.18 09.00

Subcontractor: SUB: TX104704215-18-27 Prep seq: 7662477

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Arsenic	7440-38-2	**0.00859**	0.00400	0.000246	mg/L	09.18.18 19:39		1
Barium	7440-39-3	**0.0345**	0.00400	0.000484	mg/L	09.18.18 19:39		1
Chromium	7440-47-3	**0.494**	0.00400	0.000525	mg/L	09.18.18 19:39		1

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

Analyst: OJS % Moist: Tech: OJS

Seq Number: 3063315 Date Prep:

Prep seq:

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Chromium, Hexavalent	18540-29-9	**0.504**	0.0500	0.0136	mg/L	09.14.18 16:00		5

Certificate of Analytical Results

599188

ARCADIS, Midland, TX

Chevron N. Eunice

Sample Id: **3063196-1-BLK** Matrix: Water Sample Depth:

Lab Sample Id: 3063196-1-BLK Date Collected: Date Received:

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

Analyst: OJS % Moist: Tech: OJS

Seq Number: 3063196 Date Prep:

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	09.14.18 09:00	U	1

Sample Id: **3063315-1-BLK** Matrix: Water Sample Depth:

Lab Sample Id: 3063315-1-BLK Date Collected: Date Received:

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

Analyst: OJS % Moist: Tech: OJS

Seq Number: 3063315 Date Prep:

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	09.14.18 16:00	U	1

Sample Id: **3063679-1-BLK** Matrix: Water Sample Depth:

Lab Sample Id: 3063679-1-BLK Date Collected: Date Received:

Analytical Method: TDS by SM2540C Prep Method:

Analyst: OJS % Moist: Tech: OJS

Seq Number: 3063679 Date Prep:

Prep seq:

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Total Dissolved Solids	1642222	<5.00	5.00	5.00	mg/L	09.17.18 16:00	U	1

Certificate of Analytical Results

599188

ARCADIS, Midland, TX

Chevron N. Eunice

Sample Id: **7662477-1-BLK** Matrix: Water Sample Depth:

Lab Sample Id: 7662477-1-BLK Date Collected: Date Received:

Analytical Method: Dissolved Metals by SW6020A Prep Method: 3010A

Analyst: DEP % Moist: Tech: AHI

Seq Number: 3063644 Date Prep: 09.18.18 09.00

Subcontractor: SUB: TX104704215-18-27 Prep seq: 7662477

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Arsenic	7440-38-2	<0.000246	0.00400	0.000246	mg/L	09.18.18 18:13	U	1
Barium	7440-39-3	<0.000484	0.00400	0.000484	mg/L	09.18.18 18:13	U	1
Chromium	7440-47-3	<0.000525	0.00400	0.000525	mg/L	09.18.18 18:13	U	1

Sample Id: **7662538-1-BLK** Matrix: Water Sample Depth:

Lab Sample Id: 7662538-1-BLK Date Collected: Date Received:

Analytical Method: Chloride by EPA 300 Prep Method: E300P

Analyst: SCM % Moist: Tech: SCM

Seq Number: 3063723 Date Prep: 09.18.18 15.00

Prep seq: 7662538

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Chloride	16887-00-6	<0.0858	0.500	0.0858	mg/L	09.18.18 23:25	U	1

CHRONOLOGY OF HOLDING TIMES

Analytical Method : Chloride by EPA 300
Work Order #: **599188**
Date Received: 09/14/18

Client : ARCADIS
Project ID: B0048789.0004

Field Sample ID	Lab Sample ID	Date Collected	Date Extracted	Max Holding Time Extracted (Days)	Time Held Extracted (Days)	Date Analyzed	Max Holding Time Analyzed (Days)	Time Held Analyzed (Days)	Q
MW007A-W-180914	599188-001	09/14/18				09/19/18	28	5	P
MW011A-W-180914	599188-002	09/14/18				09/19/18	28	5	P
MW002A-W-180914	599188-003	09/14/18				09/19/18	28	5	P
DUP01-W-180914	599188-004	09/14/18				09/19/18	28	5	P
MW016A-W-180914	599188-005	09/14/18				09/19/18	28	5	P
MW047-W-180914	599188-006	09/14/18				09/19/18	28	5	P
MW008M-W-180914	599188-007	09/14/18				09/19/18	28	5	P
MW089SA-W-180914	599188-008	09/14/18				09/19/18	28	5	P
MW004A-W-180914	599188-009	09/14/18				09/19/18	28	5	P
DUP06-W-180914	599188-010	09/14/18				09/19/18	28	5	P
IW023-W-180914	599188-011	09/14/18				09/19/18	28	5	P
MW093SA-W-180914	599188-012	09/14/18				09/19/18	28	5	P

CHRONOLOGY OF HOLDING TIMES

Analytical Method : TDS by SM2540C
Work Order #: **599188**
Date Received: 09/14/18

Client : ARCADIS
Project ID: B0048789.0004

Field Sample ID	Lab Sample ID	Date Collected	Date Extracted	Max Holding Time Extracted (Days)	Time Held Extracted (Days)	Date Analyzed	Max Holding Time Analyzed (Days)	Time Held Analyzed (Days)	Q
MW007A-W-180914	599188-001	09/14/18				09/17/18	7	3	P
MW011A-W-180914	599188-002	09/14/18				09/17/18	7	3	P
MW002A-W-180914	599188-003	09/14/18				09/17/18	7	3	P
DUP01-W-180914	599188-004	09/14/18				09/17/18	7	3	P
MW016A-W-180914	599188-005	09/14/18				09/17/18	7	3	P
MW047-W-180914	599188-006	09/14/18				09/17/18	7	3	P
MW008M-W-180914	599188-007	09/14/18				09/17/18	7	3	P
MW089SA-W-180914	599188-008	09/14/18				09/17/18	7	3	P
MW004A-W-180914	599188-009	09/14/18				09/17/18	7	3	P
DUP06-W-180914	599188-010	09/14/18				09/17/18	7	3	P
IW023-W-180914	599188-011	09/14/18				09/17/18	7	3	P
MW093SA-W-180914	599188-012	09/14/18				09/17/18	7	3	P

CHRONOLOGY OF HOLDING TIMES

Analytical Method : Dissolved Metals by SW6020A
Work Order #: **599188**
Date Received: 09/14/18

Client : ARCADIS
Project ID: B0048789.0004

Field Sample ID	Lab Sample ID	Date Collected	Date Extracted	Max Holding Time Extracted (Days)	Time Held Extracted (Days)	Date Analyzed	Max Holding Time Analyzed (Days)	Time Held Analyzed (Days)	Q
MW007A-W-180914	599188-001	09/14/18	09/18/18	180	4	09/18/18	180	0	P
MW011A-W-180914	599188-002	09/14/18	09/18/18	180	4	09/18/18	180	0	P
MW002A-W-180914	599188-003	09/14/18	09/18/18	180	4	09/18/18	180	0	P
DUP01-W-180914	599188-004	09/14/18	09/18/18	180	4	09/18/18	180	0	P
MW016A-W-180914	599188-005	09/14/18	09/18/18	180	4	09/18/18	180	0	P
MW047-W-180914	599188-006	09/14/18	09/18/18	180	4	09/18/18	180	0	P
MW008M-W-180914	599188-007	09/14/18	09/18/18	180	4	09/18/18	180	0	P
MW089SA-W-180914	599188-008	09/14/18	09/18/18	180	4	09/18/18	180	0	P
MW004A-W-180914	599188-009	09/14/18	09/18/18	180	4	09/18/18	180	0	P
DUP06-W-180914	599188-010	09/14/18	09/18/18	180	4	09/18/18	180	0	P
IW023-W-180914	599188-011	09/14/18	09/18/18	180	4	09/18/18	180	0	P
MW093SA-W-180914	599188-012	09/14/18	09/18/18	180	4	09/18/18	180	0	P

CHRONOLOGY OF HOLDING TIMES

Analytical Method : Chromium, Hexavalent by SW 7196A
Client : ARCADIS
Work Order #: **599188**
Project ID: B0048789.0004
Date Received: 09/14/18

Field Sample ID	Lab Sample ID	Date Collected	Date Extracted	Max Holding Time Extracted (Hour)	Time Held Extracted (Hour)	Date Analyzed	Max Holding Time Analyzed (Hour)	Time Held Analyzed (Hour)	Q
MW007A-W-180914	599188-001	09/14/18				09/14/18	24	6	P
MW011A-W-180914	599188-002	09/14/18				09/14/18	24	3	P
MW002A-W-180914	599188-003	09/14/18				09/14/18	24	6	P
DUP01-W-180914	599188-004	09/14/18				09/14/18	24	6	P
MW016A-W-180914	599188-005	09/14/18				09/14/18	24	5	P
MW047-W-180914	599188-006	09/14/18				09/14/18	24	16	P
MW008M-W-180914	599188-007	09/14/18				09/14/18	24	5	P
MW089SA-W-180914	599188-008	09/14/18				09/14/18	24	6	P
MW004A-W-180914	599188-009	09/14/18				09/14/18	24	6	P
DUP06-W-180914	599188-010	09/14/18				09/14/18	24	7	P
IW023-W-180914	599188-011	09/14/18				09/14/18	24	7	P
MW093SA-W-180914	599188-012	09/14/18				09/14/18	24	16	P

F = These samples were analyzed outside the recommended holding time.
P = Samples analyzed within the recommended holding time.

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.

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

Analytical Log

Analytical Method:	Chromium, Hexavalent by SW 7196A	Batch #:	3063196
Project Name:	Chevron N. Eunice	Project ID:	B0048789.0004
Client Name:	ARCADIS	WO Number:	599188

Client Sample Id	Lab Sample Id	QC Types
DUP01-W-180914	599188-004	SMP
MW002A-W-180914	599188-003	SMP
MW007A-W-180914	599188-001	SMP
MW008M-W-180914	599188-007	SMP
MW011A-W-180914	599188-002	SMP
	3063196-1-BKS	BKS
	3063196-1-BLK	BLK
	3063196-1-BSD	BSD
	599078-020 S	MS
	599078-020 SD	MSD

Analytical Log

Analytical Method:	Chromium, Hexavalent by SW 7196A	Batch #:	3063315
Project Name:	Chevron N. Eunice	Project ID:	B0048789.0004
Client Name:	ARCADIS	WO Number:	599188

Client Sample Id	Lab Sample Id	QC Types
DUP06-W-180914	599188-010	SMP
IW023-W-180914	599188-011	SMP
MW004A-W-180914	599188-009	SMP
MW016A-W-180914	599188-005	SMP
MW047-W-180914	599188-006	SMP
MW089SA-W-180914	599188-008	SMP
MW093SA-W-180914	599188-012	SMP
	3063315-1-BKS	BKS
	3063315-1-BLK	BLK
	3063315-1-BSD	BSD
	599188-005 S	MS
	599188-005 SD	MSD

Analytical Log

Analytical Method:	Dissolved Metals by SW6020A	Batch #:	3063644
Project Name:	Chevron N. Eunice	Project ID:	B0048789.0004
Client Name:	ARCADIS	WO Number:	599188

Client Sample Id	Lab Sample Id	QC Types
DUP01-W-180914	599188-004	SMP
DUP06-W-180914	599188-010	SMP
IW023-W-180914	599188-011	SMP
MW002A-W-180914	599188-003	SMP
MW004A-W-180914	599188-009	SMP
MW007A-W-180914	599188-001	SMP
MW008M-W-180914	599188-007	SMP
MW011A-W-180914	599188-002	SMP
MW016A-W-180914	599188-005	SMP
MW047-W-180914	599188-006	SMP
MW089SA-W-180914	599188-008	SMP
MW093SA-W-180914	599188-012	SMP
	599078-020 S	MS
	599078-020 SD	MSD
	7662477-1-BKS	BKS
	7662477-1-BLK	BLK
	7662477-1-BSD	BSD

Analytical Log

Analytical Method:	TDS by SM2540C	Batch #:	3063679
Project Name:	Chevron N. Eunice	Project ID:	B0048789.0004
Client Name:	ARCADIS	WO Number:	599188

Client Sample Id	Lab Sample Id	QC Types
DUP01-W-180914	599188-004	SMP
DUP06-W-180914	599188-010	SMP
IW023-W-180914	599188-011	SMP
MW002A-W-180914	599188-003	SMP
MW004A-W-180914	599188-009	SMP
MW007A-W-180914	599188-001	SMP
MW008M-W-180914	599188-007	SMP
MW011A-W-180914	599188-002	SMP
MW016A-W-180914	599188-005	SMP
MW047-W-180914	599188-006	SMP
MW089SA-W-180914	599188-008	SMP
MW093SA-W-180914	599188-012	SMP
	3063679-1-BKS	BKS
	3063679-1-BLK	BLK
	3063679-1-BSD	BSD
	599078-021 D	MD
	599188-001 D	MD

Analytical Log

Analytical Method:	Chloride by EPA 300	Batch #:	3063723
Project Name:	Chevron N. Eunice	Project ID:	B0048789.0004
Client Name:	ARCADIS	WO Number:	599188

Client Sample Id	Lab Sample Id	QC Types
DUP01-W-180914	599188-004	SMP
DUP06-W-180914	599188-010	SMP
IW023-W-180914	599188-011	SMP
MW002A-W-180914	599188-003	SMP
MW004A-W-180914	599188-009	SMP
MW007A-W-180914	599188-001	SMP
MW008M-W-180914	599188-007	SMP
MW011A-W-180914	599188-002	SMP
MW016A-W-180914	599188-005	SMP
MW047-W-180914	599188-006	SMP
MW089SA-W-180914	599188-008	SMP
MW093SA-W-180914	599188-012	SMP
	599196-003 S	MS
	599196-003 SD	MSD
	599337-001 S	MS
	599337-001 SD	MSD
	7662538-1-BKS	BKS
	7662538-1-BLK	BLK
	7662538-1-BSD	BSD

BS / BSD Recoveries

Project Name: Chevron N. Eunice

Work Order #: 599188 **Project ID:** B0048789.0004

Analyst: SCM **Date Prepared:** 09/18/2018 **Date Analyzed:** 09/18/2018

Lab Batch ID: 3063723 **Sample:** 7662538-1-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	<0.0858	25.0	26.2	105	25.0	26.1	104	0	90-110	20	

Analyst: OJS **Date Prepared:** 09/14/2018 **Date Analyzed:** 09/14/2018

Lab Batch ID: 3063196 **Sample:** 3063196-1-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	0.0399	100	0.0400	0.0402	101	1	85-115	20	

Analyst: OJS **Date Prepared:** 09/14/2018 **Date Analyzed:** 09/14/2018

Lab Batch ID: 3063315 **Sample:** 3063315-1-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	0.0406	102	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

BS / BSD Recoveries

Project Name: Chevron N. Eunice

Work Order #: 599188 **Project ID:** B0048789.0004

Analyst: DEP **Date Prepared:** 09/18/2018 **Date Analyzed:** 09/18/2018

Lab Batch ID: 3063644 **Sample:** 7662477-1-BKS **Batch #:** 1 **Matrix:** Water

Units: mg/L

BLANK /BLANK SPIKE / BLANK SPIKE DUPLICATE RECOVERY STUDY

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	0.100	100	1	80-120	20	
Barium	<0.000484	0.100	0.0992	99	0.100	0.0977	98	2	80-120	20	
Chromium	<0.000525	0.100	0.0991	99	0.100	0.0983	98	1	80-120	20	

Analyst: OJS **Date Prepared:** 09/17/2018 **Date Analyzed:** 09/17/2018

Lab Batch ID: 3063679 **Sample:** 3063679-1-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	<5.00	1000	962	96	1000	979	98	2	80-120	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

Form 3 - MS / MSD Recoveries

Project Name: Chevron N. Eunice

Work Order # : 599188 **Project ID:** B0048789.0004

Lab Batch ID: 3063723 **QC- Sample ID:** 599196-003 S **Batch #:** 1 **Matrix:** Water

Date Analyzed: 09/19/2018 **Date Prepared:** 09/18/2018 **Analyst:** SCM

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	38.6	25.0	64.5	104	25.0	64.5	104	0	90-110	20	

Lab Batch ID: 3063723 **QC- Sample ID:** 599337-001 S **Batch #:** 1 **Matrix:** Drinking Water

Date Analyzed: 09/19/2018 **Date Prepared:** 09/18/2018 **Analyst:** SCM

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	27.6	25.0	54.5	108	25.0	54.6	108	0	90-110	20	

Lab Batch ID: 3063196 **QC- Sample ID:** 599078-020 S **Batch #:** 1 **Matrix:** Water

Date Analyzed: 09/14/2018 **Date Prepared:** 09/14/2018 **Analyst:** OJS

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	0.203	102	0.200	0.208	104	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.

Form 3 - MS / MSD Recoveries

Project Name: Chevron N. Eunice

Work Order # : 599188 **Project ID:** B0048789.0004

Lab Batch ID: 3063315 **QC- Sample ID:** 599188-005 S **Batch #:** 1 **Matrix:** Water

Date Analyzed: 09/14/2018 **Date Prepared:** 09/14/2018 **Analyst:** OJS

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	0.232	116	0.200	0.233	117	0	75-125	20	

Lab Batch ID: 3063644 **QC- Sample ID:** 599078-020 S **Batch #:** 1 **Matrix:** Water

Date Analyzed: 09/18/2018 **Date Prepared:** 09/18/2018 **Analyst:** DEP

Reporting Units: mg/L

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY STUDY

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	0.0149	0.100	0.115	100	0.100	0.115	100	0	75-125	20	
Barium	0.101	0.100	0.196	95	0.100	0.199	98	2	75-125	20	
Chromium	<0.000525	0.100	0.0997	100	0.100	0.0996	100	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.

Sample Duplicate Recovery

Project Name: Chevron N. Eunice

Work Order #: 599188

Lab Batch #: 3063679 **Project ID:** B0048789.0004

Date Analyzed: 09/17/2018 16:00 **Date Prepared:** 09/17/2018 **Analyst:** OJS

QC- Sample ID: 599078-021 D **Batch #:** 1 **Matrix:** Water

Reporting Units: mg/L

TDS by SM2540C	SAMPLE / SAMPLE DUPLICATE RECOVERY				
Analyte	Parent Sample Result [A]	Sample Duplicate Result [B]	%RPD	RPD Limit	Flag
Total Dissolved Solids	3160	3240	3	10	

Lab Batch #: 3063679

Date Analyzed: 09/17/2018 16:00 **Date Prepared:** 09/17/2018 **Analyst:** OJS

QC- Sample ID: 599188-001 D **Batch #:** 1 **Matrix:** Water

Reporting Units: mg/L

TDS by SM2540C	SAMPLE / SAMPLE DUPLICATE RECOVERY				
Analyte	Parent Sample Result [A]	Sample Duplicate Result [B]	%RPD	RPD Limit	Flag
Total Dissolved Solids	3040	3080	1	10	

Log Difference Log Diff. = Log(Sample Duplicate) - Log(Original Sample)

Spike Relative Difference RPD 200 * | (B-A)/(B+A) |

All Results are based on MDL and validated for QC purposes.

BRL - Below Reporting Limit

Attachment A Laboratory Data Package Cover Page

Project Name: **Chevron N. Eunice** Laboratory Number: **599188**

This Data package consists of : Laboratory Batch No(s) **3063679, 3063315, 3063196, 3063723, 3063**

This signature page, the laboratory review checklist, and the following reportable data:

[X] R1 Field chain-of-custody documentation;

[X] R2 Sample identification cross-reference;

[X] R3 Test reports (analytical data sheets) for each environmental sample that includes:
- a) Items consistent with NELAC 5
- b) dilution factors,
- c) preparation methods,
- d) cleanup methods, and
- e) if required for the project, tentatively identified compounds (TICs).

[X] R4 Surrogate Recovery data including:
- a) Calculated recovery (%R), and
- b) The laboratory's surrogate QC limits.

[X] R5 Test reports/summary forms for blank samples;

[X] R6 Test reports/summary forms for laboratory control samples (LCSs) including:
- a) LCS spiking amounts,
- b) Calculated %R for each analyte, and
- c) The laboratory's LCS QC limits.

[X] R7 Test reports for project matrix spike/matrix spike duplicates (MS/MSDs) including:
- a) Samples associated with the MS/MSD clearly identified,
- b) MS/MSD spiking amounts,
- c) Concentration of each MS/MSD analyte measured in the parent and spiked samples,
- d) Calculated %Rs and relative percent differences (RPDs) and
- e) The laboratory's MS/MSD QC limits

[X] R8 Laboratory anaytical duplicate (if applicable) recovery and precision:
- a) the amount of analyte measured in the duplicate,
- b) the calculated RPD, and
- c) the laboratory's QC limits for analytical duplicates.

[X] R9 List of method quantitation limits (MQLs) and detectability check sample results for each analyte for each method and matrix;

[X] R10 Other problems or anomalies.

[X] Exception Report for every "No" or "Not Reviewed (NR)" item in Laboratory Review Checklist and for each analyte, matrix, and method for which the laboratory does not hold NELAC accreditation under the Texas Laboratory Accreditation Program.

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

Check, if applicable: [ ] This laboratory meets an exception under 30 TAC 25.6 and was last inspection by [ ] TCEQ or [ ] _____ on (enter date of last inspection). Any findings affecting the data in this laboratory data package are noted in the Exception Reports herein. The offical signing the cover page of the report in which these data are used is responsible for releasing this data package and is by signature affirming the above release statement is true.

Kelsey Brooks		**Project Manager**	**26-SEP-18**
Name (Printed)	Signature	Official Title (printed)	Date

A1

Released to Imaging: 6/14/2022 10:44:20 AM

Attachment A (cont'd) : Laboratory Review Checklist: Reportable Data

Laboratory Name:	XENCO LABORATORIES	LRC Date :	26-SEP-18
Project Name:	Chevron N. Eunice	Laboratory Job Number :	599188
Reviewer Name:	KEB	Batch Number(s) :	3063679, 3063315, 3063196, 3063723, 3063644

#[1]	A[2]	Description	Yes	No	NA[3]	NR[4]	ER#[5]
R1	OI	**Chain-of-Custody (COC)**					
		Did samples meet the laboratory's standard conditions of sample acceptability upon receipt?	X				
		Were all departures from standard conditions described in an exception report?			X		
R2	OI	**Sample and Quality Control (QC) Identification**					
		Are all field sample ID numbers cross-referenced to the laboratory ID numbers?	X				
		Are all laboratory ID numbers cross-referenced to the corresponding QC data?	X				
R3	OI	**Test Reports**					
		Were all samples prepared and analyzed within holding times?	X				
		Other than those results <MQL, were all other raw values bracketed by calibration standards?	X				
		Were calculations checked by a peer or supervisor?	X				
		Were all analyte identifications checked by a peer or supervisor?	X				
		Were sample detection limits reported for all analytes not detected?	X				
		Were all results for soil and sediment samples reported on a dry weight basis?			X		
		Were % moisture (or solids) reported for all soil and sediment samples?			X		
		Were bulk soil/solid samples for volatile analysis extracted with methanol per SW846 Method 5035?			X		
		If required for the project, were TICs reported?			X		
R4	O	**Surrogate Recovery Data**					
		Were surrogates added prior to extraction?			X		
		Were surrogate percent recoveries in all samples within the laboratory QC limits?			X		
R5	OI	**Test Reports/Summary Forms for Blank Samples**					
		Were appropriate type(s) of blanks analyzed?	X				
		Were blanks analyzed at the appropriate frequency ?	X				
		Were method blanks taken through the entire analytical procedure, including preparation and, if applicable, cleanup procedures ?	X				
		Were Blank Concentrations <MQL?	X				
R6	OI	**Laboratory Control Samples (LCS):**					
		Were all COCs included in the LCS?	X				
		Was each LCS taken through the entire analytical procedure, including prep and cleanup steps?	X				
		Were LCSs analyzed at the required frequency?	X				
		Were LCS (and LCSD, if applicable) %Rs within the laboratory QC limits?	X				
		Does the detectability check sample data document the laboratory's capability to detect the COCs at the MDL used to calculate the SDLs?	X				
		Was the LCSD RPD within the QC limits?	X				
R7	OI	**Matrix Spike (MS) and Matrix Spike Duplicate (MSD) data**					
		Were the project/method specified analytes included in the MS and MSD?	X				
		Were MS/MSD analyzed at the appropriate frequency?	X				
		Were MS (and MSD, if applicable) %Rs within the laboratory QC limits?	X				
		Were MS/MSD RPDs within the laboratory QC limits?	X				
R8	OI	**Analytical Duplicate Data**					
		Were appropriate analytical duplicates analyzed for each matrix?	X				
		Were analytical duplicates analyzed at the appropriate frequency?	X				
		Were RPDs or relative standard deviations within the laboratory QC limits?	X				
R9	OI	**Method Quantitation Limits (MQLs)**					
		Are the MQLs for each method analyte included in the laboratory data package?	X				
		Do the MQLs correspond to the concentration of the lowest non-zero calibration standard?	X				
		Are unadjusted MQLs and DCSs included in the laboratory data package?	X				
R10	OI	**Other Problems/Anomalies**					
		Are all known problems/anomalies/special conditions noted in this LRC and ER?	X				
		Is the laboratory NELAC-accredited under the Texas Laboratory Accreditation Program for the analytes, matrices and methods associated with this laboratory data package?	X				
		Was applicable and available technology used to lower the SDL to minimize the matrix interference effects on the sample results?	X				

Attachment A (cont'd) : Laboratory Review Checklist: Reportable Data

Laboratory Name:	XENCO LABORATORIES	LRC Date :	26-SEP-18
Project Name:	Chevron N. Eunice	Laboratory Job Number :	599188
Reviewer Name:	KEB	Batch Number(s) :	3063679, 3063315, 3063196, 3063723, 3063644

#[1]	A[2]	Description	Yes	No	NA[3]	NR[4]	ER#[5]
S1	OI	**Initial Calibration (ICAL)**					
		Were response factors and/or relative response factors for each analyte within QC limits?	X				
		Were percent RSDs or correlation coefficient criteria met?	X				
		Was the number of standards recommended in the method used for all analytes?	X				
		Were all points generated between the lowest and the highest standard used to calculate the curve?	X				
		Are ICAL data available for all instruments used?	X				
		Has the initial calibration curve been verified using an appropriate second source standard?	X				
S2	OI	**Initial and Continuing Calibration Verification (ICCV and CCV) and continuing calibration blank (**					
		Was the CCV analyzed at the method-required frequency?	X				
		Were percent differences for each analyte within the method-required QC limits?	X				
		Was the ICAL curve verified for each analyte?	X				
		Was the absolute value of the analyte concentration in the inorganic CCB <MDL?	X				
S3	O	**Mass Spectral Tuning**					
		Was the appropriate compound for the method used for tuning?			X		
		Were ion abundance data within the method-required QC limits?			X		
S4	O	**Internal Standard (IS)**					
		Were IS area counts and retention times within the method-required QC limits?			X		
S5	OI	**Raw Data (NELAC 5.5.10)**					
		Were the raw data (for example, chromatograms, spectral data) reviewed by an analyst?	X				
		Were data associated with manual integrations flagged on the raw data?	X				
S6	O	**Dual Column Confirmation**					
		Did dual column confirmation results meet the method-required QC?			X		
S7	O	**Tentatively Identified Compounds (TICs)**					
		If TICs were requested, were the mass spectra and TIC data subject to appropriate checks?			X		
S8	I	**Interference Check Sample (ICS) Results**					
		Were percent recoveries within method QC limits?	X				
S9	I	**Serial Dilutions, Post Digestions Spikes, and Method of Standard Additions**					
		Were percent differences, recoveries, and the linearity within the QC limits specified in the method?	X				
S10	OI	**Method Detection Limit (MDL) Studies**					
		Was a MDL study performed for each reported analyte?	X				
		Is the MDL either adjusted or supported by the analysis of DCSs?	X				
S11	OI	**Proficiency Test Reports**					
		Was the laboratory's performance acceptable on the applicable proficiency tests or evaluation studies?	X				
S12	OI	**Standards Documentation**					
		Are all standards used in the analyses NIST-traceable or obtained from other appropriate sources?	X				
S13	OI	**Compound/Analyte Identification Procedures**					
		Are the procedures for compound/analyte identification documented?	X				
S14	OI	**Demonstration of Analyst Competency (DOC)**					
		Was DOC conducted consistent with NELAC Chapter 5?	X				
		Is documentation of the analyst's competency up-to-date and on file?	X				
S15	OI	**Verification/Validation Documentation for Methods (NELAC Chapter 5)**					
		Are all methods used to generate the data documented, verified, and validated, where applicable?	X				
S16	OI	**Laboratory Standard Operating Procedures (SOPs)**					
		Are laboratory SOPs current and on file for each method performed?	X				

1. Items identified by the letter "R" must be included in the laboratory data package submitted to the TCEQ-required report(s). Items identified by the letter "S" should be retained and made available upon request for the appropriate retention period.
2. O = organic analyses; I = inorganic analyses (and general chemistry, when applicable).
3. NA = Not applicable;
4. NR = Not reviewed;
5. ER# = Exception Report Identification number (an Exception Report should be completed for an item if "NR" or "No" is checked).

Attachment A (cont'd): Laboratory Review Checklist: Exception Reports

Laboratory Name:	XENCO LABORATORIES	LRC Date:	26-SEP-18
Project Name:	Chevron N. Eunice	Laboratory Job Number:	599188
Reviewer Name:	KEB	Batch Number(s) :	3063679, 3063315, 3063196, 3063723, 3063644

ER# [1]	DESCRIPTION

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

A4

DCS Summary 599188

ARCADIS, Midland, TX

Chevron N. Eunice

Analytical Method: **Chloride by EPA 300** Matrix: **Water**

Prep Method: **E300P** Laboratory: **Xenco - Midland**

Parameter	SDL	MQL	Spike Amount	Actual Amount	Units
Chloride	0.0858	0.500	0.250	0.177	mg/L

Analytical Method: **Chromium, Hexavalent by SW 7196A** Matrix: **Water**

Prep Method: Laboratory: **Xenco - Midland**

Parameter	SDL	MQL	Spike Amount	Actual Amount	Units
Chromium, Hexavalent	0.00273	0.0100	0.00800	0.00510	mg/L

Analytical Method: **Dissolved Metals by SW6020A** Matrix: **Water**

Prep Method: **SW3010A** Laboratory: **Xenco - Houston**

Parameter	SDL	MQL	Spike Amount	Actual Amount	Units
Arsenic	0.000246	0.00400	0.00200	0.00294	mg/L
Barium	0.000484	0.00400	0.00400	0.00401	mg/L
Chromium	0.000525	0.00400	0.00200	0.00400	mg/L

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ARCADIS

ID#:

CHAIN OF CUSTODY & LABORATORY ANALYSIS REQUEST FORM

Page 1 of 1

Lab Work Order # 599188

Send Results to:

Contact & Company Name: Brett Krehbiel Arcadis
Telephone: 916-786-0320
Address: 101 Creekside Ridge Court, Suite 200
Fax: 916-786-0366
City: Roseville State: CA Zip: 95678
E-mail Address: brett.krehbiel@arcadis.com
Project Name/Location (City, State): Chevron N. Eunice
Project #: B0048789.0004
Sampler's Printed Name: Jerry Montgomery
Sampler's Signature:

Sample ID	Collection Date	Collection Time	Type (✓) Comp	Type (✓) Grab	Matrix	Preservative	Filtered (✓)	# of Containers	Container Information	BTEX 8021B	TPH GRO & DRO 8015B	Dissolved As, Mn, Fe, Cr 6010B	Dissolved Hex Chromium 7196	Chloride & TDS	REMARKS
						B		1	1						
						B		1	1						
						C	✓	3	3						
						E	✓	4	4						
						E		4	4						
MW07A-W-180914	9/14/18	0946		X	W							1	1	1	
MW011A-W-180914	9/14/18	1014		X	W							1	1	1	
MW002A-W-180914	9/14/18	1034		X	W							1	1	1	
DUP-1-W-180914	9/14/18	—		X	W							1	1	1	
MW01EA-W-180914	9/14/18	1113		X	W							1	1	1	
MW047-W-180914	9/14/18	0937		X	W							1	1	1	
MW008M-W-180914	9/14/18	0957		X	W							1	1	1	
MW095A-W-180914	9/14/18	0926		X	W							1	1	1	
MW004A-W-180914	9/14/18	0917		X	W							1	1	1	
DUP2-W-180914	9/14/18	—		X	W							1	1	1	
EW023-W-180914	9/14/18	0850		X	W							1	1	1	
MW035A-W-180914	9/14/18	0904		X	W							1	1	1	

Keys

Preservation Key:
A. H_2SO_4
B. HCL
C. HNO_3
D. NaOH
E. None
F. Other: _____
G. Other: _____
H. Other: _____

Container Information Key:
1. 40 ml Vial
2. 1 L Amber
3. 250 ml Plastic
4. 500 ml Plastic
5. Encore
6. 2 oz. Glass
7. 4 oz. Glass
8. 8 oz. Glass
9. Other: _____
10. Other: _____

Matrix Key:
SO - Soil
W - Water
T - Tissue
SE - Sediment
SL - Sludge
A - Air
NL - NAPL/Oil
SW - Sample Wipe
Other: _____

Special Instructions/Comments:

☐ Special QA/QC Instructions(✓):

Temp. 5.3 R8 0.0

Laboratory Information and Receipt		Relinquished By	Received By	Relinquished By	Laboratory Received By
Lab Name: Xenco	Cooler Custody Seal (✓) ☐ Intact ☐ Not Intact	Printed Name: Jerry Montgomery	Printed Name: Shawnee Gomez	Printed Name:	Printed Name:
☒ Cooler packed with ice (✓)		Signature:	Signature: Shawnee Gomez	Signature:	Signature:
Specify Turnaround Requirements: Standard TAT	Sample Receipt:	Firm: Arcadis	Firm/Courier: Xenco	Firm/Courier:	Firm:
Shipping Tracking #:	Condition/Cooler Temp: _____	Date/Time: 09/14/18 1514	Date/Time: 9.14.18 15:14	Date/Time:	Date/Time:

20730828 CofC AR Form 08.27.2015

Distribution: WHITE – Laboratory returns with results YELLOW – Lab copy PINK – Retained by Arcadis

Received by OCD: 3/25/2020 3:45:40 PM
Released to Imaging: 6/14/2022 10:44:20 AM
Final 1.001
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Inter-Office Shipment

IOS Number **114043**

Date/Time: 09/14/18 15:39
Lab# From: **Midland**
Lab# To: **Houston**

Created by: Shawnee Gomez
Delivery Priority:
Air Bill No.: 773225421654

Please send report to: Kelsey Brooks
Address: 1211 W. Florida Ave, Midland TX 79701
E-Mail: kelsey.brooks@xenco.com

Sample Id	Matrix	Client Sample Id	Sample Collection	Method	Method Name	Lab Due	HT Due	PM	Analytes	Sign
599188-001	W	MW07A-W-180914	09/14/18 09:46	SW6020_DIS	Dissolved Metals by SW6020A	09/20/18	03/13/19	KEB	AS BA CR	
599188-002	W	MW011A-W-180914	09/14/18 12:53	SW6020_DIS	Dissolved Metals by SW6020A	09/20/18	03/13/19	KEB	AS BA CR	
599188-003	W	MW002A-W-180914	09/14/18 09:46	SW6020_DIS	Dissolved Metals by SW6020A	09/20/18	03/13/19	KEB	AS BA CR	
599188-004	W	DUP-1-N-180914	09/14/18 10:18	SW6020_DIS	Dissolved Metals by SW6020A	09/20/18	03/13/19	KEB	AS BA CR	
599188-005	W	MW016A-W-180914	09/14/18 10:34	SW6020_DIS	Dissolved Metals by SW6020A	09/20/18	03/13/19	KEB	AS BA CR	
599188-006	W	MW047-W-180914	09/14/18 00:00	SW6020_DIS	Dissolved Metals by SW6020A	09/20/18	03/13/19	KEB	AS BA CR	
599188-007	W	MW008-M-180914	09/14/18 11:13	SW6020_DIS	Dissolved Metals by SW6020A	09/20/18	03/13/19	KEB	AS BA CR	
599188-008	W	MW089SA-W-180914	09/14/18 09:32	SW6020_DIS	Dissolved Metals by SW6020A	09/20/18	03/13/19	KEB	AS BA CR	
599188-009	W	MW004A-W-180914	09/14/18 09:57	SW6020_DIS	Dissolved Metals by SW6020A	09/20/18	03/13/19	KEB	AS BA CR	
599188-010	W	DUP-6-W-180914	09/14/18 09:26	SW6020_DIS	Dissolved Metals by SW6020A	09/20/18	03/13/19	KEB	AS BA CR	
599188-011	W	IW023-W-180914	09/14/18 09:17	SW6020_DIS	Dissolved Metals by SW6020A	09/20/18	03/13/19	KEB	AS BA CR	
599188-012	W	MW0935A-W-180914	09/14/18 00:00	SW6020_DIS	Dissolved Metals by SW6020A	09/20/18	03/13/19	KEB	AS BA CR	

Inter Office Shipment or Sample Comments:

Relinquished By: Shawnee Gomez

Date Relinquished: 09/14/2018

Received By: Rene Vandenberghe

Date Received: 09/15/2018 09:30

Cooler Temperature: 3.2

XENCO Laboratories

Inter Office Report- Sample Receipt Checklist

Sent To: Houston

IOS #: 114043

Acceptable Temperature Range: 0 - 6 degC
Air and Metal samples Acceptable Range: Ambient
Temperature Measuring device used : hou-068

Sent By: Shawnee Gomez **Date Sent:** 09/14/2018 03:39 PM

Received By: Rene Vandenberghe **Date Received:** 09/15/2018 09:30 AM

Sample Receipt Checklist		Comments
#1 *Temperature of cooler(s)?	3.2	
#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: R. C. Vandenberghe Date: 09/15/2018

Rene Vandenberghe

XENCO Laboratories

Prelogin/Nonconformance Report- Sample Log-In

Client: ARCADIS

Date/ Time Received: 09/14/2018 03:14:00 PM

Work Order #: 599188

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

Temperature Measuring device used : R8

Sample Receipt Checklist		Comments
#1 *Temperature of cooler(s)?	5.3	
#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**	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: SG

PH Device/Lot#: 213315

Checklist completed by: Shawnee Gomez Date: 09/14/2018

Checklist reviewed by: Kelsey Brooks Date: 09/17/2018

APPENDIX E

Historical Analytical Data (through 2017)

Released to Imaging: 6/14/2022 10:44:20 AM

ARCADIS Design & Consultancy for natural and built assets

Received by OCD: 3/25/2020 3:45:40 PM

Location ID	Sample Date	Sample Type	Chemical Name / Units / NMWQCC Standard	Dissolved Arsenic mg/l 0.1	Total Arsenic mg/l 0.1	Dissolved Chromium mg/l 0.05	Total Chromium mg/l 0.05	Dissolved Chromium VI mg/l 0.05	Total Chromium VI mg/l 0.05	Dissolved Iron mg/l 1	Total Iron mg/l 1	Dissolved Manganese mg/l 0.2	Total Manganese mg/l 0.2	Benzene ug/l 5	Toluene ug/l 1,000	Ethylbenzene ug/l 700	Total Xylenes ug/l 620	DRO mg/l	GRO mg/l	Chloride mg/l 250	TDS mg/l 1000
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
	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	--
	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	--

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Released to Imaging: 6/14/2022 10:44:20 AM

Received by OCD: 3/25/2020 3:45:40 PM

		Chemical Name	Dissolved Arsenic	Total Arsenic	Dissolved Chromium	Total Chromium	Dissolved Chromium VI	Total Chromium VI	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	0.1	0.1	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	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**
	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**
	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**	**--**

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		Chemical Name	Dissolved Arsenic	Total Arsenic	Dissolved Chromium	Total Chromium	Dissolved Chromium VI	Total Chromium VI	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	0.1	0.1	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																		
IW004	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
	5/8/2017	N	0.0186	--	0.0124	--	< 0.01 U	--	10.9	--	2.73	--	--	--	--	--	--	--	822	2,400
IW006	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	--
	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	--
	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	--

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Chemical Name			Dissolved Arsenic	Total Arsenic	Dissolved Chromium	Total Chromium	Dissolved Chromium VI	Total Chromium VI	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			0.1	0.1	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																		
	4/12/2007	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	--
	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	--	--	0.0747	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

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		Chemical Name	Dissolved Arsenic	Total Arsenic	Dissolved Chromium	Total Chromium	Dissolved Chromium VI	Total Chromium VI	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	0.1	0.1	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																		
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	--
	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
	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
IW011	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	--
	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

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ARCADIS Design & Consultancy for natural and built assets

Received by OCD: 3/25/2020 3:45:40 PM

Chemical Name			Dissolved Arsenic	Total Arsenic	Dissolved Chromium	Total Chromium	Dissolved Chromium VI	Total Chromium VI	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			0.1	0.1	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																		
	3/4/2010	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	--
	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	--
IW013	7/14/2005	N	--	< 0.1 U	0.5	0.5	< 0.05 U	--	264	254	6.5	6.2	--	--	--	--	--	--	540	--
	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
	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	--
IW014	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
	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

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Released to Imaging: 6/14/2022 10:44:20 AM

Received by OCD: 3/25/2020 3:45:40 PM

Chemical Name			Dissolved Arsenic	Total Arsenic	Dissolved Chromium	Total Chromium	Dissolved Chromium VI	Total Chromium VI	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			0.1	0.1	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																		
	5/15/2012	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**
IW015	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**	--
	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**
	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**
	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**
IW016	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**
	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**	--
	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**
IW018	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**
	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**

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Received by OCD: 3/25/2020 3:45:40 PM

		Chemical Name	Dissolved Arsenic	Total Arsenic	Dissolved Chromium	Total Chromium	Dissolved Chromium VI	Total Chromium VI	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	0.1	0.1	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																		
IW019	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
	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
IW020	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	--
	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
	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
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
	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

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ARCADIS Design & Consultancy for natural and built assets

Received by OCD: 3/25/2020 3:45:40 PM

		Chemical Name	Dissolved Arsenic	Total Arsenic	Dissolved Chromium	Total Chromium	Dissolved Chromium VI	Total Chromium VI	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	0.1	0.1	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																		
IW024	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
	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
	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
IW026	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	--
	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
	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
IW027	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
	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
IW028	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
	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	--	--	--	--	--	--	--	--	--	--	--	--

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Chemical Name			Dissolved Arsenic	Total Arsenic	Dissolved Chromium	Total Chromium	Dissolved Chromium VI	Total Chromium VI	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			0.1	0.1	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																		
IW029P	9/6/2012	N	--	--	--	**0.184**	--	**0.126**	< 0.200 U	< 0.200 U	--	--	--	--	--	--	--	--	--	--
	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**
IW030	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**	--	--	--	--	--	--	--	--	--	--	--	--
	9/6/2012	N	--	--	--	**0.429**	--	**0.356**	< 0.200 U	**0.227**	--	--	--	--	--	--	--	--	--	--
	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	--	--	--	--	--	--	--	--	--	--
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**

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Location ID	Sample Date	Sample Type	Chemical Name	Dissolved Arsenic	Total Arsenic	Dissolved Chromium	Total Chromium	Dissolved Chromium VI	Total Chromium VI	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	0.1	0.1	0.05	0.05	0.05	0.05	1	1	0.2	0.2	5	1,000	700	620			250	1000
MW002	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**
	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**
	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**
	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**	--
	6/29/2004	N		--	--	**0.5**	--	**0.38**	--	--	--	--	--	< 2 U	< 2 U	< 2 U	< 6 U	< 0.25 U	< 0.05 U	**740**	--

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		Chemical Name	Dissolved Arsenic	Total Arsenic	Dissolved Chromium	Total Chromium	Dissolved Chromium VI	Total Chromium VI	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	0.1	0.1	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																		
MW003	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**
	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**
MW004	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**	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	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**
	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**
MW004A	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**	--
	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**
	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**
	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**

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ARCADIS Design & Consultancy for natural and built assets

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Chemical Name			Dissolved Arsenic	Total Arsenic	Dissolved Chromium	Total Chromium	Dissolved Chromium VI	Total Chromium VI	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			0.1	0.1	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																		
MW005	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**	--
	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**
	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**
MW006	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**
	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**
MW007	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**	--
	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**
MW007A	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**
	1/29/2002	N	--	--	**0.19**	--	**0.09**	--	< 0.1 U	< 0.1 U	< 0.05 U	< 0.05 U	--	--	--	--	--	--	**350**	**1,640**
	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**

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Chemical Name			Dissolved Arsenic	Total Arsenic	Dissolved Chromium	Total Chromium	Dissolved Chromium VI	Total Chromium VI	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			0.1	0.1	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																		
	9/6/2012	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**
	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**
MW008	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**
	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**
	10/28/1997	N	< 0.10 U	--	**2.3**	--	--	--	--	--	--	--	< 1 U	< 1 U	< 1 U	< 1 U	--	--	**13**	**3,700**

Released to Imaging: 6/14/2022 10:44:20 AM

Received by OCD: 3/25/2020 3:45:40 PM

Chemical Name			Dissolved Arsenic	Total Arsenic	Dissolved Chromium	Total Chromium	Dissolved Chromium VI	Total Chromium VI	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			0.1	0.1	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	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
	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
	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
	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	--

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		Chemical Name	Dissolved Arsenic	Total Arsenic	Dissolved Chromium	Total Chromium	Dissolved Chromium VI	Total Chromium VI	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	0.1	0.1	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																		
MW008M	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	--
	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
	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	--

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Chemical Name			Dissolved Arsenic	Total Arsenic	Dissolved Chromium	Total Chromium	Dissolved Chromium VI	Total Chromium VI	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			0.1	0.1	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																		
MW009A	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**	--
	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**	--
	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**	--
	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**	--
MW010	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**
	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**

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Released to Imaging: 6/14/2022 10:44:20 AM

Received by OCD: 3/25/2020 3:45:40 PM

Chemical Name			Dissolved Arsenic	Total Arsenic	Dissolved Chromium	Total Chromium	Dissolved Chromium VI	Total Chromium VI	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			0.1	0.1	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																		
MW011	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	--
	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	--
	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
	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	--

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Received by OCD: 3/25/2020 3:45:40 PM

Chemical Name			Dissolved Arsenic	Total Arsenic	Dissolved Chromium	Total Chromium	Dissolved Chromium VI	Total Chromium VI	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			0.1	0.1	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	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	--
	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
	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
	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	--

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Released to Imaging: 6/14/2022 10:44:20 AM

Received by OCD: 3/25/2020 3:45:40 PM

Chemical Name			Dissolved Arsenic	Total Arsenic	Dissolved Chromium	Total Chromium	Dissolved Chromium VI	Total Chromium VI	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			0.1	0.1	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																		
MW011M	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**
	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**
	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**
MW012	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**	--
	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**	--

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Chemical Name			Dissolved Arsenic	Total Arsenic	Dissolved Chromium	Total Chromium	Dissolved Chromium VI	Total Chromium VI	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			0.1	0.1	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																		
MW012A	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**
	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**
	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**

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Chemical Name			Dissolved Arsenic	Total Arsenic	Dissolved Chromium	Total Chromium	Dissolved Chromium VI	Total Chromium VI	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			0.1	0.1	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																		
	5/22/2015	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**
	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**	--
	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**	--
MW012M	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**
	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 U < 0.5 U	< 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**

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Released to Imaging: 6/14/2022 10:44:20 AM

ARCADIS Design & Consultancy for natural and built assets

Received by OCD: 3/25/2020 3:45:40 PM

Chemical Name			Dissolved Arsenic	Total Arsenic	Dissolved Chromium	Total Chromium	Dissolved Chromium VI	Total Chromium VI	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			0.1	0.1	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	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**
	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**
	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**	--
MW013A	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**
	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**

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Received by OCD: 3/25/2020 3:45:40 PM

Chemical Name			Dissolved Arsenic	Total Arsenic	Dissolved Chromium	Total Chromium	Dissolved Chromium VI	Total Chromium VI	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			0.1	0.1	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																		
MW014	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	--
	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	--	--	--	--	--	--	--	--
	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
MW014A	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
	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	--
	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	--
	6/24/2004	N	--	--	0.01	--	0.005	--	--	--	--	--	--	--	--	--	--	--	2,100	--
	1/4/2005	N	--	--	0.01	--	0.01	--	--	--	--	--	--	--	--	--	--	--	2,800	--

Released to Imaging: 6/14/2022 10:44:20 AM

ARCADIS Design & Consultancy for natural and built assets

Received by OCD: 3/25/2020 3:45:40 PM

Chemical Name			Dissolved Arsenic	Total Arsenic	Dissolved Chromium	Total Chromium	Dissolved Chromium VI	Total Chromium VI	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			0.1	0.1	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																		
MW015	6/3/2005	N	--	--	**0.01**	--	--	--	--	--	--	--	--	--	--	--	--	--	**2,490**	--
	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**
	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**
MW015A	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**
	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**	--
	3/4/2003	N	--	--	--	--	< 0.005 U	--	--	--	--	--	--	--	--	--	--	--	**240**	--
	5/21/2003	N	--	--	--	--	< 0.005 U	--	--	--	--	--	--	--	--	--	--	--	**300**	--

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Chemical Name			Dissolved Arsenic	Total Arsenic	Dissolved Chromium	Total Chromium	Dissolved Chromium VI	Total Chromium VI	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			0.1	0.1	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																		
MW016A	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	< 0.05 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	--
	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**
	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**

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Chemical Name			Dissolved Arsenic	Total Arsenic	Dissolved Chromium	Total Chromium	Dissolved Chromium VI	Total Chromium VI	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			0.1	0.1	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	**0.0241**	--	< 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**	--
	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**
	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**	--
MW019A	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**
	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**

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Appendix E
Historical Analytical Data (through 2017)
2018 Annual Groundwater Monitoring Report
Former Eunice North Gas Plant

		Chemical Name	Dissolved Arsenic	Total Arsenic	Dissolved Chromium	Total Chromium	Dissolved Chromium VI	Total Chromium VI	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	0.1	0.1	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																		
	9/21/2017	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**
MW020	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**	--
	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**
MW020A	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**	--
	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**
	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**

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Chemical Name			Dissolved Arsenic	Total Arsenic	Dissolved Chromium	Total Chromium	Dissolved Chromium VI	Total Chromium VI	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			0.1	0.1	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																		
	9/21/2017	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
MW021A	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	--
	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
	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
	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	--

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Received by OCD: 3/25/2020 3:45:40 PM

Chemical Name			Dissolved Arsenic	Total Arsenic	Dissolved Chromium	Total Chromium	Dissolved Chromium VI	Total Chromium VI	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			0.1	0.1	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																		
MW022A	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
	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	--
MW023	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
	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

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ARCADIS Design & Consultancy for natural and built assets

Received by OCD: 3/25/2020 3:45:40 PM

		Chemical Name	Dissolved Arsenic	Total Arsenic	Dissolved Chromium	Total Chromium	Dissolved Chromium VI	Total Chromium VI	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	0.1	0.1	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																		
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**
	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**
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**
	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**	--

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Received by OCD: 3/25/2020 3:45:40 PM

		Chemical Name	Dissolved Arsenic	Total Arsenic	Dissolved Chromium	Total Chromium	Dissolved Chromium VI	Total Chromium VI	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	0.1	0.1	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	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
	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
	11/17/1999	N	--	--	< 0.05 U	--	--	--	--	--	--	--	--	--	--	--	--	--	500	1,500

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Chemical Name			Dissolved Arsenic	Total Arsenic	Dissolved Chromium	Total Chromium	Dissolved Chromium VI	Total Chromium VI	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			0.1	0.1	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																		
MW026	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**
	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**
	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**	--	< 0.0100 U	< 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**
MW027	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**	--
	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**

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Chemical Name			Dissolved Arsenic	Total Arsenic	Dissolved Chromium	Total Chromium	Dissolved Chromium VI	Total Chromium VI	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			0.1	0.1	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																		
MW028	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	--
	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
	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
	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
MW030	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
	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

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Chemical Name			Dissolved Arsenic	Total Arsenic	Dissolved Chromium	Total Chromium	Dissolved Chromium VI	Total Chromium VI	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			0.1	0.1	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																		
MW030P	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**
	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**
	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**

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Released to Imaging: 6/14/2022 10:44:20 AM

ARCADIS Design & Consultancy for natural and built assets

Received by OCD: 3/25/2020 3:45:40 PM

Chemical Name			Dissolved Arsenic	Total Arsenic	Dissolved Chromium	Total Chromium	Dissolved Chromium VI	Total Chromium VI	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			0.1	0.1	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																		
	5/20/2013	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**
	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**
	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**	--
	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**	--
	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**	--
MW035	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**	--

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Received by OCD: 3/25/2020 3:45:40 PM

Location ID	Sample Date	Sample Type	Chemical Name	Dissolved Arsenic	Total Arsenic	Dissolved Chromium	Total Chromium	Dissolved Chromium VI	Total Chromium VI	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	0.1	0.1	0.05	0.05	0.05	0.05	1	1	0.2	0.2	5	1,000	700	620			250	1000
MW035	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
	4/4/2018	Reg		--	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	Reg		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
	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	--

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Chemical Name			Dissolved Arsenic	Total Arsenic	Dissolved Chromium	Total Chromium	Dissolved Chromium VI	Total Chromium VI	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			0.1	0.1	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																		
MW038	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	--
	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
MW039A	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	--
	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
MW040A	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	--
	12/15/2004	N	--	--	< 0.01 U	--	< 0.005 U	--	--	--	--	--	--	--	--	--	--	--	60	--
	12/15/2004	FD	--	--	< 0.01 U	--	< 0.005 U	--	--	--	--	--	--	--	--	--	--	--	60	--
	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

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		Chemical Name	Dissolved Arsenic	Total Arsenic	Dissolved Chromium	Total Chromium	Dissolved Chromium VI	Total Chromium VI	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	0.1	0.1	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																		
	5/17/2013	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**
	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**
MW041A	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	Reg	--	**0.00948**	--	**0.206**	--	**0.184**	< 0.1	--	--	**0.00242**	--	--	--	--	--	--	**390**	**1,520**
	9/12/2018	Reg	**0.0103**	--	**0.206**	--	**0.167**	--	--	< 0.100 U	**0.00121 J**	--	--	--	--	--	--	--	**403**	**1,600**
MW042A	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**	--
	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**
	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**
	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**	--

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Chemical Name			Dissolved Arsenic	Total Arsenic	Dissolved Chromium	Total Chromium	Dissolved Chromium VI	Total Chromium VI	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			0.1	0.1	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																		
MW043	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**	--
	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**
MW044	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**
	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**
MW045	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**
	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**
	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**

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Received by OCD: 3/25/2020 3:45:40 PM

		Chemical Name	Dissolved Arsenic	Total Arsenic	Dissolved Chromium	Total Chromium	Dissolved Chromium VI	Total Chromium VI	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	0.1	0.1	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																		
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
MW046A	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	--
	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	Reg	--	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	Reg	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	--
	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

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- Released to Imaging: 6/14/2022 10:44:20 AM

Received by OCD: 3/25/2020 3:45:40 PM

Chemical Name			Dissolved Arsenic	Total Arsenic	Dissolved Chromium	Total Chromium	Dissolved Chromium VI	Total Chromium VI	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			0.1	0.1	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																		
	5/27/2014	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**
	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**
MW049SA	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**	--
	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**
	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**

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		Chemical Name	Dissolved Arsenic	Total Arsenic	Dissolved Chromium	Total Chromium	Dissolved Chromium VI	Total Chromium VI	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	0.1	0.1	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																		
MW050SA	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	Reg	--	0.0112	--	0.186	--	0.193	< 0.1	--	--	0.000274 J	--	--	--	--	--	--	1,530	3,880
	9/12/2018	Reg	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	--
	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
	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
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
	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

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Chemical Name			Dissolved Arsenic	Total Arsenic	Dissolved Chromium	Total Chromium	Dissolved Chromium VI	Total Chromium VI	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			0.1	0.1	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																		
MW052SA	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**	--
	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**
	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**
MW054SA	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**
	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**

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Released to Imaging: 6/14/2022 10:44:20 AM

Received by OCD: 3/25/2020 3:45:40 PM

		Chemical Name	Dissolved Arsenic	Total Arsenic	Dissolved Chromium	Total Chromium	Dissolved Chromium VI	Total Chromium VI	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	0.1	0.1	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																		
	5/12/2015	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	Reg	--	**0.011**	--	**0.125**	--	**0.12**	< 0.1	--	--	< 0.00200 U	--	--	--	--	--	--	**777**	**2,200**
	9/12/2018	Reg	**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**	--
	6/7/2005	N	--	--	**0.18**	--	--	--	--	--	--	--	--	--	--	--	--	--	**600**	--
	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**
MW055SA	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**
	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**

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Released to Imaging: 6/14/2022 10:44:20 AM

Received by OCD: 3/25/2020 3:45:40 PM

Location ID	Sample Date	Sample Type	Chemical Name	Dissolved Arsenic	Total Arsenic	Dissolved Chromium	Total Chromium	Dissolved Chromium VI	Total Chromium VI	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	0.1	0.1	0.05	0.05	0.05	0.05	1	1	0.2	0.2	5	1,000	700	620			250	1000
MW057SA	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**
MW058	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**
	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**

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Released to Imaging: 6/14/2022 10:44:20 AM

ARCADIS Design & Consultancy for natural and built assets

Received by OCD: 3/25/2020 3:45:40 PM

		Chemical Name	Dissolved Arsenic	Total Arsenic	Dissolved Chromium	Total Chromium	Dissolved Chromium VI	Total Chromium VI	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	0.1	0.1	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																		
	10/31/2013	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**
	9/21/2016	N	< 0.00336 U	--	**2.56**	--	**3.09**	--	< 0.00616 U	--	< 0.000585 U	--	--	--	--	--	--	--	**1,060**	**3,740**
	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**
	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**
MW059	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**
	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**
MW060	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**

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- Released to Imaging: 6/14/2022 10:44:20 AM

ARCADIS Design & Consultancy for natural and built assets

Received by OCD: 3/25/2020 3:45:40 PM

Chemical Name			Dissolved Arsenic	Total Arsenic	Dissolved Chromium	Total Chromium	Dissolved Chromium VI	Total Chromium VI	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			0.1	0.1	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																		
	9/22/2017	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**
	9/13/2018	Reg	**0.00342 J**	--	< 0.0200 U	--	< 0.0100 U	--	--	**0.765**	**10.5**	--	--	--	--	--	--	--	**1,560**	**3,470**
MW061	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**
	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**
	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**
MW062A	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**
	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**
	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**

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		Chemical Name	Dissolved Arsenic	Total Arsenic	Dissolved Chromium	Total Chromium	Dissolved Chromium VI	Total Chromium VI	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	0.1	0.1	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	--	**0.0242**	--	**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**
MW063SA	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**
	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**
	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**
MW064SA	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**
	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**
	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**

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Appendix E
Historical Analytical Data (through 2017)
2018 Annual Groundwater Monitoring Report
Former Eunice North Gas Plant

ARCADIS Design & Consultancy for natural and built assets

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Chemical Name			Dissolved Arsenic	Total Arsenic	Dissolved Chromium	Total Chromium	Dissolved Chromium VI	Total Chromium VI	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			0.1	0.1	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																		
MW065SA	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	--	--	--	--	--	--	--	--
	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**
MW066SA	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**
	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**
	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**

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Appendix E
Historical Analytical Data (through 2017)
2018 Annual Groundwater Monitoring Report
Former Eunice North Gas Plant

		Chemical Name	Dissolved Arsenic	Total Arsenic	Dissolved Chromium	Total Chromium	Dissolved Chromium VI	Total Chromium VI	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	0.1	0.1	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																		
MW067SA	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**
MW068	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**
MW068	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**	--
	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**

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Released to Imaging: 6/14/2022 10:44:20 AM

Received by OCD: 3/25/2020 3:45:40 PM

Chemical Name			Dissolved Arsenic	Total Arsenic	Dissolved Chromium	Total Chromium	Dissolved Chromium VI	Total Chromium VI	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			0.1	0.1	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																		
MW069	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**
	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**
MW070	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**
	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**
	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**

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Chemical Name			Dissolved Arsenic	Total Arsenic	Dissolved Chromium	Total Chromium	Dissolved Chromium VI	Total Chromium VI	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			0.1	0.1	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	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**
	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**
MW071SA	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**
	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**
	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	--	--	--	--	--	--	--	--	--	--	--	--	--

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Chemical Name			Dissolved Arsenic	Total Arsenic	Dissolved Chromium	Total Chromium	Dissolved Chromium VI	Total Chromium VI	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			0.1	0.1	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																		
MW072SA	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**
	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**
	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**

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Chemical Name			Dissolved Arsenic	Total Arsenic	Dissolved Chromium	Total Chromium	Dissolved Chromium VI	Total Chromium VI	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			0.1	0.1	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																		
MW074SA	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
	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
MW075SA	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
	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
	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

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ARCADIS Design & Consultancy for natural and built assets

Received by OCD: 3/25/2020 3:45:40 PM

Chemical Name			Dissolved Arsenic	Total Arsenic	Dissolved Chromium	Total Chromium	Dissolved Chromium VI	Total Chromium VI	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			0.1	0.1	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																		
	11/11/2014	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**
	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**
	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**
MW078SA	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**
	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**

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Received by OCD: 3/25/2020 3:45:40 PM

		Chemical Name	Dissolved Arsenic	Total Arsenic	Dissolved Chromium	Total Chromium	Dissolved Chromium VI	Total Chromium VI	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	0.1	0.1	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	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
	3/23/2018	Reg	--	0.00663	--	< 0.00400 U	--	< 0.0100 U	0.335	--	--	0.0531	--	--	--	--	--	--	278	635
	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	--

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Received by OCD: 3/25/2020 3:45:40 PM

Chemical Name			Dissolved Arsenic	Total Arsenic	Dissolved Chromium	Total Chromium	Dissolved Chromium VI	Total Chromium VI	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			0.1	0.1	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																		
	4/2/2008	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
MW081SA	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
	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	--
	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
	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
MW082SA	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

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Released to Imaging: 6/14/2022 10:44:20 AM

Received by OCD: 3/25/2020 3:45:40 PM

		Chemical Name	Dissolved Arsenic	Total Arsenic	Dissolved Chromium	Total Chromium	Dissolved Chromium VI	Total Chromium VI	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	0.1	0.1	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																		
	11/10/2015	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**	--
	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**	--
	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**	--
MW084SA	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**
	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**
	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**	--
MW085SA	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**

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Chemical Name			Dissolved Arsenic	Total Arsenic	Dissolved Chromium	Total Chromium	Dissolved Chromium VI	Total Chromium VI	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			0.1	0.1	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																		
	3/3/2010	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**
	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**
	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**
	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	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW087A	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**
	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**

Released to Imaging: 6/14/2022 10:44:20 AM

ARCADIS Design & Consultancy for natural and built assets

Received by OCD: 3/25/2020 3:45:40 PM

		Chemical Name	Dissolved Arsenic	Total Arsenic	Dissolved Chromium	Total Chromium	Dissolved Chromium VI	Total Chromium VI	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	0.1	0.1	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																		
	6/3/2015	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**
	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**
MW088M	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**
	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**
MW089SA	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**
	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**
MW090SA	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**
	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**
	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**
	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**

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		Chemical Name	Dissolved Arsenic	Total Arsenic	Dissolved Chromium	Total Chromium	Dissolved Chromium VI	Total Chromium VI	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	0.1	0.1	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																		
MW091SA	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
	5/13/2016	N	0.0705	--	4.49	--	4.65	--	--	--	--	--	--	--	--	--	--	--	1,460	4,170
	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	--	--	--	--	--	--	--	--	--	--

Released to Imaging: 6/14/2022 10:44:20 AM

Received by OCD: 3/25/2020 3:45:40 PM

Chemical Name			Dissolved Arsenic	Total Arsenic	Dissolved Chromium	Total Chromium	Dissolved Chromium VI	Total Chromium VI	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			0.1	0.1	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																		
	5/7/2014	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**	--
	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**

Released to Imaging: 6/14/2022 10:44:20 AM

Received by OCD: 3/25/2020 3:45:40 PM

Chemical Name			Dissolved Arsenic	Total Arsenic	Dissolved Chromium	Total Chromium	Dissolved Chromium VI	Total Chromium VI	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			0.1	0.1	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																		
	1/25/2005	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
	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	--
	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	--
RW003	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
	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
	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
	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	--

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Released to Imaging: 6/14/2022 10:44:20 AM

Received by OCD: 3/25/2020 3:45:40 PM

Chemical Name			Dissolved Arsenic	Total Arsenic	Dissolved Chromium	Total Chromium	Dissolved Chromium VI	Total Chromium VI	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			0.1	0.1	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																		
RW004A	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**
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:
he NMWQCC Standard are highlighted

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Chemical Name			Dissolved Arsenic	Total Arsenic	Dissolved Chromium	Total Chromium	Dissolved Chromium VI	Total Chromium VI	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			0.1	0.1	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																		
ted analytes are bolded.																				
-- = not analyzed																				
< = less than																				
diluted due to instrument range																				
= field duplicate sample																				
ID = identification																				
J = estimated value																				
/l = milligrams per liter																				
N = Normal Sample																				
xico Water Quality Control Commission																				
= total dissolved solids																				
U = non-detect																				
= micrograms per liter																				

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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
Report Units			mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
Location ID	Date Sampled	Sample Purpose						
NMWQCC Domestic			0.1 mg/L	0.05 mg/L	0.05 mg/L	1.0 mg/L	2 mg/L	0.2 mg/L
IW001	5/5/2017	REG	0.0179 J	0.0108 J	< 0.0100 U	1.54 J	--	1.84 J
IW002	5/5/2017	REG	0.0172	0.0116	< 0.0100 U	25.6	--	1.1
IW003	5/8/2017	REG	0.0137	0.00781	< 0.0100 U	6.3	--	8.02
IW003	3/22/2018	REG	0.00717	0.00409	0.00330 J	3.57	1.94	--
IW003	4/15/2019	REG	0.0157	0.0088	< 0.0100 U	5.02	--	3.74
IW004	5/8/2017	REG	0.00202	0.0123	< 0.0100 U	1.68	--	3.97
IW005	5/8/2017	REG	0.0186	0.0124	< 0.0100 U	10.9	--	2.73
IW006	5/8/2017	REG	0.0196	0.00869	< 0.0100 U	3.93	--	4.15
IW007	5/8/2017	REG	0.0843	0.0192	< 0.0100 U	17.1	--	3.93
IW008	5/8/2017	REG	0.033	0.00545	< 0.0100 U	5.22	--	1.93
IW008	5/8/2017	FD	0.0323	0.00515	< 0.0100 U	5.34	--	1.97
IW008	3/22/2018	REG	0.0248	0.00370 J	< 0.0100 U	4.24	1.2	1.58
IW008	4/12/2019	REG	0.0235	0.00388 J	< 0.0100 U	4.78	--	1.9
IW010	5/8/2017	REG	0.00571	< 0.00400 U	0.00620 J	11	--	7.31
IW010	3/22/2018	REG	0.00789	0.00191 J	< 0.0100 U	8.83	0.0599	5.01
IW010	4/12/2019	REG	0.00899	0.00202 J	0.00310 J	11.8	--	7.96
IW011	5/8/2017	REG	0.00779	< 0.00400 U	< 0.0100 U	0.173	--	0.588
IW012	5/8/2017	REG	0.0103	0.0126	< 0.0100 U	2.55	--	0.32
IW013	5/8/2017	REG	0.00494	0.00637	< 0.0100 U	0.839	--	0.18
IW014	5/8/2017	REG	0.0346	0.00776	< 0.0100 U	0.0237	--	0.2
IW015	5/8/2017	REG	0.0102	0.0119	< 0.0100 U	0.196	--	0.0861
IW016	5/8/2017	REG	0.00501	< 0.00400 U	< 0.0100 UJ	0.0498	--	0.0772
IW019	5/5/2017	REG	0.00833 J	0.563 J	0.87	< 0.0200 U	--	0.0328 J
IW019	9/26/2017	REG	0.00947	0.743	0.693	0.157 J	--	0.24
IW019	4/4/2018	REG	0.00908	0.66	0.616	< 0.100 U	--	0.381
IW019	9/11/2018	REG	0.0101	0.757	0.687	< 0.100 U	--	0.0349
IW019	4/16/2019	REG	0.00987	0.672	0.664	0.0721 J	--	0.139
IW019	4/16/2019	FD	0.0106 J	0.736	0.698	< 0.500 U	--	0.105
IW019	10/10/2019	REG	0.00931	0.621	0.609	< 0.100 U	--	0.0482 J
IW021	5/5/2017	REG	0.00845	0.706	0.766	< 0.0200 U	--	< 0.00200 U
IW022	5/5/2017	REG	0.00833	0.171	0.178	< 0.0200 U	--	< 0.00200 U
IW023	5/5/2017	REG	0.00817	0.397	0.41	< 0.0200 U	--	< 0.00200 U
IW023	9/22/2017	REG	0.00936	0.423	0.406	0.0417 J	--	0.00149 J
IW023	3/29/2018	REG	0.00871	0.378	0.369	< 0.1	--	0.000378 J
IW023	9/14/2018	REG	0.0102	0.376	0.307	< 0.100 U	--	0.000254 J
IW023	9/14/2018	FD	0.0101	0.383	0.269	< 0.100 U	--	< 0.00200 U
IW023	4/16/2019	REG	0.00961	0.345 J	0.315 J	0.0487 J	--	0.00282
IW023	10/10/2019	REG	0.00981	0.315	0.312	0.0668 J	--	0.00412 J
IW024	5/4/2017	REG	0.00877	1.13	1.26	< 0.0200 U	--	< 0.00200 U
IW024	4/4/2018	REG	0.00924	0.99	1.04	< 0.100 U	--	0.000827 J
IW024	4/16/2019	REG	0.0113	1.21	1.02	0.321	--	0.0288
IW025	5/4/2017	REG	< 0.00200 U	0.0255	< 0.0100 U	0.063	--	0.822

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GROUNDWATER ANALYTICAL RESULTS
UBU3250 EUNICE NORTH GAS PLANT

Parameter Name			Arsenic	Chromium	Chromium, Hexavalent	Iron	Barium	Manganese
Report Units			mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
Location ID	Date Sampled	Sample Purpose						
NMWQCC Domestic			0.1 mg/L	0.05 mg/L	0.05 mg/L	1.0 mg/L	2 mg/L	0.2 mg/L
IW026	5/4/2017	REG	0.0085	0.69	0.737	< 0.0200 U	--	< 0.00200 U
IW027	5/4/2017	REG	0.00815	0.282	0.293	0.189	--	0.00787
IW028	5/4/2017	REG	0.00949	0.694	0.758	< 0.0200 U	--	0.00436
IW029P	5/11/2017	REG	0.106	0.00148 J	< 0.0100 U	81.4	--	4.41
IW029P	5/11/2017	FD	0.107	0.00185 J	< 0.0100 U	80.7	--	4.18
LordWW	5/11/2017	REG	0.000551 J	0.00161 J	< 0.0100 U	0.18	--	0.0971
MW001	5/10/2017	REG	0.00199 J	0.0181	< 0.0100 U	0.0102 J	--	0.91
MW001	5/10/2017	FD	0.00185 J	0.02	0.0135	0.0125 J	--	0.937
MW001	9/26/2017	REG	0.00221	0.00906	< 0.0100 U	< 0.100 U	--	0.694
MW001	4/4/2018	REG	0.00154 J	0.00146 J	< 0.0100 U	< 0.100 U	--	0.739
MW001	9/11/2018	REG	0.00241 J	0.00146 J	< 0.0100 U	< 0.100 U	--	0.584
MW001	4/17/2019	REG	0.00174 J	0.00142 J	< 0.0100 U	< 0.100 U	--	0.858
MW001	10/10/2019	REG	0.00160 J	0.00176 J	< 0.0100 U	< 0.100 U	--	0.954 J
MW002	5/9/2017	REG	0.00922 J	0.285	0.271	< 0.100 U	--	0.00199 J
MW002A	5/9/2017	REG	0.0164	0.709	0.781	< 0.100 U	--	0.0235
MW002A	9/22/2017	REG	0.0204	0.867	0.892	0.0591 J	--	0.0234
MW002A	4/4/2018	REG	0.0146	0.638	0.724	< 0.100 U	--	0.0163
MW002A	9/14/2018	REG	0.0195	0.963	0.796	< 0.100 U	--	0.0193
MW002A	4/17/2019	REG	0.0193	0.889	0.00890 J	< 1.00 U	--	0.0201
MW002A	10/10/2019	REG	0.0177	0.812	0.758	< 0.100 U	--	0.0163 J
MW002A	10/10/2019	FD	0.0192	0.917	0.79	< 0.100 U	--	0.0190 J
MW003	5/4/2017	REG	0.0135	0.0481	< 0.0100 U	< 0.0200 U	--	< 0.00200 U
MW004	5/5/2017	REG	0.00984	0.339 J	0.257 J	0.0228	--	< 0.00200 UJ
MW004	5/5/2017	FD	0.00898	0.672 J	0.796 J	< 0.0200 U	--	0.0428 J
MW004A	5/5/2017	REG	0.0154 J	0.489 J	0.494	< 0.0200 U	--	< 0.00200 U
MW004A	9/22/2017	REG	0.0154	0.463	0.448	< 0.100 U	--	0.000947 J
MW004A	4/4/2018	REG	0.0145	0.498	0.438	< 0.100 U	--	0.000681 J
MW004A	9/14/2018	REG	0.0158	0.515	0.497	< 0.100 U	--	0.000320 J
MW004A	4/16/2019	REG	0.0156	0.558	0.459	< 0.100 U	--	0.000551 J
MW004A	10/11/2019	REG	0.0148 J	0.415	0.378	< 0.500 U	--	< 0.0100 U
MW007	5/4/2017	REG	0.0119	0.0105	< 0.0100 U	< 0.0200 U	--	< 0.00200 U
MW007A	5/4/2017	REG	0.0102	0.661	0.769	< 0.0200 U	--	< 0.00200 U
MW007A	9/22/2017	REG	0.0116	0.729	0.65	< 0.100 U	--	0.00327
MW007A	4/4/2018	REG	0.0102	0.705	0.129	< 0.100 U	--	0.000979 J
MW007A	9/14/2018	REG	0.0115	0.763	0.67	< 0.100 U	--	0.000655 J
MW007A	4/17/2019	REG	0.0109	0.711	0.66	< 1.00 U	--	0.000644 J
MW007A	10/11/2019	REG	0.0113 J	0.676	0.592	< 0.500 U	--	0.00257 J
MW008	5/4/2017	REG	0.0191	0.00575	< 0.0100 U	4.61	--	0.583
MW008A	5/4/2017	REG	0.0618	0.0767	< 0.0100 U	17	--	0.176
MW008M	5/4/2017	REG	0.00325	0.0101	< 0.0100 U	59.9	--	3.11
MW008M	9/22/2017	REG	0.0032	0.00823	< 0.0100 U	56.5	--	3.23
MW008M	4/4/2018	REG	0.00803	0.0219	< 0.0100 U	107	--	2.96

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GROUNDWATER ANALYTICAL RESULTS
UBU3250 EUNICE NORTH GAS PLANT

Parameter Name			Arsenic	Chromium	Chromium, Hexavalent	Iron	Barium	Manganese
Report Units			mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
Location ID	Date Sampled	Sample Purpose						
NMWQCC Domestic			0.1 mg/L	0.05 mg/L	0.05 mg/L	1.0 mg/L	2 mg/L	0.2 mg/L
MW008M	4/4/2018	FD	0.00222	0.00842	< 0.0100 U	91.3	--	3.23
MW008M	9/14/2018	REG	0.00312 J	0.00775	< 0.0100 U	40.4	--	3.08
MW008M	4/17/2019	REG	0.00329 J	0.0071	0.00430 J	35.9	--	2.95
MW008M	10/10/2019	REG	0.00362 J	0.00693	0.00710 J	26.5	--	2.80 J
MW009	5/4/2017	REG	0.00655	0.0151	0.0115	< 0.0200 U	--	0.0111
MW009A	5/4/2017	REG	0.00378	0.00684	< 0.0100 U	0.0912 UB	--	1.03
MW010	5/9/2017	REG	0.00884	0.0295	0.0271	0.0314	--	0.00459
MW010	9/21/2017	REG	0.00803	0.0190 J	0.00310 J	< 0.100 U	--	0.0104
MW010	4/2/2018	REG	0.00889	0.0242	0.0157	< 0.100 U	--	0.000740 J
MW010	9/13/2018	REG	0.00939 J	0.0228	0.012	< 0.500 U	--	0.00206 J
MW010	4/16/2019	REG	0.00885 J	0.0273	0.0213	< 0.500 U	--	< 0.0100 U
MW010	10/10/2019	REG	0.00811	0.02	0.088	< 0.100 U	--	0.00474 J
MW010	10/10/2019	FD	0.00883	0.016	0.0135	< 0.100 U	--	0.00284 J
MW011	5/5/2017	REG	0.00802 J	0.00476 UB	< 0.0100	16.5 J	--	1.64
MW011A	5/5/2017	REG	0.0128 J	1.03 J	0.976	< 0.0200 U	--	0.197 J
MW011A	9/22/2017	REG	0.0133	0.692	0.65	< 0.100 U	--	0.182
MW011A	9/22/2017	FD	0.0134	0.707	0.645	< 0.100 U	--	0.183
MW011A	4/4/2018	REG	0.0119	0.371	0.329	< 0.100 U	--	0.16
MW011A	9/14/2018	REG	0.0142	0.291	0.242	< 0.100 U	--	0.193
MW011A	9/14/2018	FD	0.0136	0.277	0.239	< 0.100 U	--	0.187
MW011A	4/17/2019	REG	0.0144	0.159	< 0.0100 U	< 0.100 U	--	0.182
MW011A	10/10/2019	REG	0.0133	0.1	0.0834	< 0.100 U	--	0.167 J
MW011M	5/5/2017	REG	0.00253 J	0.0202 J	< 0.0100 U	2.28 J	--	0.0305 J
MW012	5/5/2017	REG	0.0149	< 0.00400 U	< 0.0100 U	3.08	--	4.29
MW012A	5/5/2017	REG	0.0163	< 0.00400 U	< 0.0100 U	0.0741	--	0.0559
MW012M	5/5/2017	REG	0.105	0.0411	< 0.0100 U	7.82	--	0.0876
MW012M	4/4/2018	REG	0.0815	0.0351	< 0.0100 U	4.76	--	0.052
MW012M	4/17/2019	REG	0.0652	0.0306	< 0.0100 U	3.94	--	0.0507
MW013	5/9/2017	REG	0.00811	1.42	0.15	0.0226	--	0.000450 J
MW013	9/21/2017	REG	0.00734	1.25 J	1.25	< 0.100 U	--	0.00442
MW013	4/2/2018	REG	0.00798	1.75	1.88	< 0.100 U	--	0.000295 J
MW013	9/13/2018	REG	0.00757	1.76	1.84	< 0.100 U	--	0.000747 J
MW013	4/16/2019	REG	0.00809	2.54	2.22 J	< 0.100 U	--	< 0.00200 U
MW013	10/10/2019	REG	0.00767	1.97	1.75	0.0266 J	--	0.000714 J
MW013A	5/11/2017	REG	0.0195	0.00456	0.00320 J	0.00385 J	--	0.000398 J
MW015	5/11/2017	REG	0.00558	0.00267 J	< 0.0100 U	0.00384 J	--	0.000542 J
MW015A	5/11/2017	REG	0.0105	0.0123	0.0112	0.0119 J	--	0.00376
MW015A	9/22/2017	REG	0.00763	0.00192 J	0.00240 J	0.152	--	0.00417
MW015A	4/2/2018	REG	0.00351	0.00546	< 0.0100 U	0.24	--	0.0428
MW015A	4/2/2018	FD	0.00222	0.0048	< 0.0100 U	0.214	--	0.0573
MW015A	9/13/2018	REG	0.00882 J	0.00534 J	< 0.0100 U	0.164 J	--	0.0197
MW015A	4/16/2019	REG	0.0136 J	0.00983 J	< 0.0100 UJ	< 0.500 U	--	0.00203 J

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GROUNDWATER ANALYTICAL RESULTS
UBU3250 EUNICE NORTH GAS PLANT

Parameter Name			Arsenic	Chromium	Chromium, Hexavalent	Iron	Barium	Manganese
Report Units			mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
Location ID	Date Sampled	Sample Purpose						
NMWQCC Domestic			0.1 mg/L	0.05 mg/L	0.05 mg/L	1.0 mg/L	2 mg/L	0.2 mg/L
MW015A	10/9/2019	REG	0.012	0.0127	0.00480 J	0.0304 J	--	0.00551
MW016A	9/14/2018	REG	0.00914	0.00528	< 0.0100 U	< 0.100 U	--	< 0.00200 U
MW018	5/10/2017	REG	0.00994	< 0.00129 UB	< 0.0100 U	0.00457 J	--	< 0.00200 U
MW018	9/21/2017	REG	0.0128	< 0.00400 U	< 0.0100 U	< 0.100 U	--	< 0.00200 U
MW018	4/2/2018	REG	0.00969	< 0.00400 U	< 0.0100 U	< 0.100 U	--	0.00133 J
MW018	4/2/2018	FD	0.00933	0.000717 J	< 0.0100 U	< 0.100 U	--	0.00151 J
MW018	9/13/2018	REG	0.00937 J	< 0.0200 U	< 0.0100 U	< 0.500 U	--	0.00220 J
MW018	4/16/2019	REG	0.0124	< 0.00400 U	< 0.0100 U	0.0574 J	--	0.00194 J
MW018	10/9/2019	REG	0.0103	< 0.00400 U	< 0.0100 U	< 0.100 U	--	0.000437 J
MW019A	5/10/2017	REG	0.0106	0.00182 J	< 0.0100 U	0.0154 J	--	0.00169 J
MW019A	9/21/2017	REG	0.0134	0.000637 J	< 0.0100 U	< 0.100 U	--	0.000387 J
MW019A	4/2/2018	REG	0.0125	0.000668 J	< 0.0100 U	< 0.100 U	--	0.00157 J
MW019A	9/13/2018	REG	0.0116 J	< 0.0200 U	< 0.0100 U	< 0.500 U	--	0.0118
MW019A	4/16/2019	REG	0.00627	0.000853 J	< 0.0100 U	0.0538 J	--	0.0179
MW019A	10/9/2019	REG	0.0103	0.000533 J	< 0.0100 U	< 0.100 U	--	0.00424
MW020	5/11/2017	REG	0.0105	0.00371 J	< 0.0100 U	0.0236	--	0.00101 J
MW020A	5/11/2017	REG	0.00893	0.00723	0.00290 J	0.00408 J	--	0.000342 J
MW020A	9/21/2017	REG	0.0108	0.00696 J	< 0.0100 U	< 0.100 U	--	< 0.00200 U
MW020A	4/2/2018	REG	0.0101	0.00589	< 0.0100 U	< 0.100 U	--	0.00115 J
MW020A	9/13/2018	REG	0.0112 J	0.00675 J	< 0.0100 U	< 0.500 U	--	0.00217 J
MW020A	4/16/2019	REG	0.0111 J	0.00560 J	< 0.0100 U	< 0.500 U	--	0.00112 J
MW020A	4/16/2019	FD	0.0106 J	0.00511	< 0.0100 U	< 0.500 U	--	0.00123 J
MW020A	10/9/2019	REG	0.00988	0.00604	0.00630 J	< 0.100 U	--	0.000518 J
MW021A	5/10/2017	REG	0.00938	0.00422	< 0.0100 U	0.0123 J	--	0.0724
MW021A	9/22/2017	REG	0.0117	0.00429	< 0.0100 U	< 0.100 U	--	0.0106
MW021A	4/3/2018	REG	0.0106	0.00392 J	< 0.0100 U	< 0.100 U	--	0.0159 J
MW021A	9/12/2018	REG	0.0106	0.00352 J	< 0.0100 U	< 0.100 U	--	0.0108
MW021A	4/12/2019	REG	0.011	0.00295 J	< 0.0100 U	< 0.100 U	--	0.0126
MW021A	10/10/2019	REG	0.0113	0.00301 J	< 0.0100 U	0.0228 J	--	0.0166 J
MW023	5/11/2017	REG	0.00749	1.09	1.05	0.00308 J	--	0.000372 J
MW023	9/21/2017	REG	0.01	1.32 J	1.09	< 0.100 U	--	< 0.00200 U
MW023	3/29/2018	REG	0.00928	1.42	1.31	< 0.1	--	0.000486 J
MW023	9/13/2018	REG	0.00933	1.72	1.43	< 0.100 U	--	< 0.00200 U
MW023	4/15/2019	REG	0.00878	2.22	2.07	0.0352 J	--	0.00488
MW023	10/8/2019	REG	0.00946	2.75	2.32	< 0.100 U	--	< 0.00200 U
MW023A	5/11/2017	REG	0.0189	0.00535	< 0.0100 U	0.00417 J	--	0.000257 J
MW024	5/11/2017	REG	0.00875	0.128	0.13	0.00318 J	--	0.00809
MW024A	5/11/2017	REG	0.0109	0.724	0.785	0.00442 J	--	0.000468 J
MW024A	9/21/2017	REG	0.0128	0.437 J	0.457 J	< 0.100 U	--	0.000585 J
MW024A	9/21/2017	FD	0.012	0.689 J	< 0.852 UJ	< 0.100 U	--	< 0.00200 U
MW024A	3/29/2018	REG	0.012	0.621	0.479	< 0.1	--	0.000484 J
MW024A	9/12/2018	REG	0.0125	0.579	0.477	< 0.100 U	--	< 0.00200 U

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GROUNDWATER ANALYTICAL RESULTS
UBU3250 EUNICE NORTH GAS PLANT

Parameter Name			Arsenic	Chromium	Chromium, Hexavalent	Iron	Barium	Manganese
Report Units			mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
Location ID	Date Sampled	Sample Purpose						
NMWQCC Domestic			0.1 mg/L	0.05 mg/L	0.05 mg/L	1.0 mg/L	2 mg/L	0.2 mg/L
MW024A	9/12/2018	FD	0.0126	0.547	0.52	< 0.100 U	--	0.000247 J
MW024A	4/12/2019	REG	0.0119	0.5	0.474	< 0.100 U	--	< 0.00200 U
MW024A	10/8/2019	REG	0.0128	0.504	0.457	< 0.100 U	--	< 0.00200 U
MW026	9/22/2017	REG	0.00716	< 0.00400 U	< 0.0100 U	< 0.100 U	--	< 0.00200 U
MW026	4/5/2018	REG	0.00716	0.00255 J	< 0.0100 U	< 0.100 U	--	< 0.00200 U
MW026	9/13/2018	REG	0.00774 J	< 0.0200 U	< 0.0100 U	< 0.500 U	--	0.00160 J
MW026	4/16/2019	REG	0.00768	< 0.00400 U	< 0.0100 UJ	< 0.100 U	--	0.000977 J
MW026	10/11/2019	REG	0.00801	< 0.00400 U	< 0.0100 U	< 0.100 U	--	0.000348 J
MW027	5/11/2017	REG	0.00529	0.00238 J	< 0.0100 U	0.00482 J	--	0.000440 J
MW027	9/22/2017	REG	0.00703	0.00211 J	< 0.0100 U	< 0.100 U	--	0.000557 J
MW027	4/3/2018	REG	0.0063	0.00154 J	< 0.0100 U	< 0.100 U	--	0.00155 J
MW027	9/13/2018	REG	0.00682 J	< 0.0200 U	< 0.0100 U	< 0.500 U	--	0.00133 J
MW027	4/16/2019	REG	0.00653	0.00139 J	< 0.0100 UJ	0.0457 J	--	0.00129 J
MW027	10/9/2019	REG	0.00685	0.00107 J	< 0.0100 U	< 0.100 U	--	0.000539 J
MW030	5/11/2017	REG	0.0144	0.00256 J	< 0.0100 U	0.0300 J	--	0.00120 J
MW030	9/21/2017	REG	0.0194	0.00147 J	< 0.0100 U	0.0315 J	--	0.000561 J
MW030	3/29/2018	REG	0.0179	0.00135 J	< 0.0100 U	< 0.1	--	0.000316 J
MW030	9/13/2018	REG	0.0189 J	< 0.0200 U	< 0.0100 U	< 0.500 U	--	0.00159 J
MW030	4/12/2019	REG	0.0197	0.00126 J	< 0.0100 U	< 0.100 U	--	0.000594 J
MW030	10/8/2019	REG	0.0204	0.00156 J	< 0.0100 U	0.0382 J	--	0.000554 J
MW030P	5/4/2017	REG	0.239	0.0101	0.027	65.3	--	0.465
MW031	5/11/2017	REG	0.0144	0.00175 J	< 0.0100 U	0.00590 J	--	0.000627 J
MW031	9/21/2017	REG	0.0227	< 0.00400 U	< 0.0100 U	0.0475 J	--	0.815
MW031	3/29/2018	REG	0.0511	< 0.00400 U	< 0.0100 U	0.538	--	1.36
MW031	9/13/2018	REG	0.102	< 0.0200 U	< 0.0100 U	4.17	--	1.02
MW031	4/15/2019	REG	0.0847	< 0.00400 U	< 0.0100 U	3.36	--	0.866
MW031	10/9/2019	REG	0.0962 J	< 0.00400 U	0.00570 J	4.93 J	--	0.833
MW031	10/9/2019	FD	0.0550 J	< 0.00400 U	< 0.0100 U	2.08 J	--	0.818
MW032	9/22/2017	REG	0.00397	0.00188 J	< 0.0100 U	0.0228 J	--	0.00117 J
MW032	4/3/2018	REG	0.00332	0.00177 J	< 0.0100 U	< 0.100 U	--	0.000594 J
MW032	9/13/2018	REG	0.00389 J	< 0.0200 U	< 0.0100 U	< 0.500 U	--	0.00249 J
MW032	4/16/2019	REG	0.00370 J	0.00473	< 0.0100 UJ	< 0.100 U	--	0.00172 J
MW032	4/16/2019	FD	0.00315 J	0.00505	< 0.0100 U	0.0230 J	--	0.00127 J
MW032	10/9/2019	REG	0.00362 J	0.00407	0.00350 J	< 0.100 U	--	0.000854 J
MW034	5/5/2017	REG	0.00624	0.0185	0.0126	0.0438	--	< 0.00200 U
MW036	5/9/2017	REG	0.06	0.00153 J	< 0.0100 U	29.7	--	0.358
MW037	5/9/2017	REG	0.0604	0.00211 J	0.00250 J	15.1	--	0.617
MW037	9/26/2017	REG	0.0526	0.00311 J	< 0.0100 U	8.70 J	--	0.178
MW037	4/4/2018	REG	0.0433	0.00105 J	< 0.0100 U	8.01	--	0.0823
MW037	4/4/2018	FD	0.0413	0.00107 J	< 0.0100 U	7.74	--	0.0796
MW037	9/11/2018	REG	0.0502	0.00126 J	< 0.0100 U	7.15	--	0.0653
MW037	4/16/2019	REG	0.0546	0.00116 J	< 0.0100 U	8.05	--	0.0493

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GROUNDWATER ANALYTICAL RESULTS
UBU3250 EUNICE NORTH GAS PLANT

Parameter Name			Arsenic	Chromium	Chromium, Hexavalent	Iron	Barium	Manganese
Report Units			mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
Location ID	Date Sampled	Sample Purpose						
NMWQCC Domestic			0.1 mg/L	0.05 mg/L	0.05 mg/L	1.0 mg/L	2 mg/L	0.2 mg/L
MW037	10/10/2019	REG	0.0538	0.00111 J	0.0131	7.15	--	0.0537 J
MW038	5/9/2017	REG	0.0114	0.0042	0.00810 J	9.62	--	0.14
MW038	5/9/2017	FD	0.0116	0.00449	0.00710 J	9.27	--	0.114
MW040A	5/9/2017	REG	0.0176	0.00285 J	< 0.0100 U	0.00278 J	--	< 0.00200 U
MW040A	9/21/2017	REG	0.0187	0.00164 J	< 0.0100 U	< 0.100 U	--	< 0.00200 U
MW040A	4/2/2018	REG	0.0207	0.00231 J	< 0.0100 U	< 0.100 U	--	0.000290 J
MW040A	9/13/2018	REG	0.0195 J	< 0.0200 U	< 0.0100 U	< 0.500 U	--	0.00163 J
MW040A	4/16/2019	REG	0.0203	0.00285 J	< 0.0100 UJ	< 0.100 U	--	0.000271 J
MW040A	10/10/2019	REG	0.02	0.00312 J	< 0.0100 U	< 0.100 U	--	< 0.00200 UJ
MW041A	5/5/2017	REG	0.0093	0.197	0.203	0.0462	--	0.00232
MW041A	9/21/2017	REG	0.0104	0.210 J	0.174	0.0310 J	--	0.0024
MW041A	3/29/2018	REG	0.00948	0.206	0.184	< 0.1	--	0.00242
MW041A	9/12/2018	REG	0.0103	0.206	0.167	< 0.100 U	--	0.00121 J
MW041A	4/16/2019	REG	0.0104	0.201	0.175	< 0.100 U	--	0.00107 J
MW041A	10/9/2019	REG	0.0104	0.193	0.178	< 0.100 U	--	0.000914 J
MW042A	5/9/2017	REG	0.00693 J	0.391	0.381	0.0624 J	--	0.0279
MW043	5/9/2017	REG	0.00198 J	0.00207 J	< 0.0100 U	1.31	--	0.549
MW043	9/26/2017	FD	0.00366	0.00214 J	< 0.0100 U	1.28 J	--	0.653
MW043	9/26/2017	REG	0.00427	0.00202 J	< 0.0100 U	0.739 J	--	0.626
MW043	4/3/2018	REG	0.00535	0.00110 J	< 0.0100 U	0.345	--	0.608 J
MW043	9/11/2018	REG	0.00508	0.000688 J	< 0.0100 U	0.152	--	0.545
MW043	9/11/2018	FD	0.00524	0.000605 J	< 0.0100 U	0.156	--	0.553
MW043	4/15/2019	REG	0.00504	0.000894 J	< 0.0100 U	0.593	--	0.573
MW043	10/10/2019	REG	0.00503	0.000528 J	< 0.0100 U	0.257	--	0.499 J
MW044	5/9/2017	REG	0.00578 J	0.0554	< 0.0100 U	0.178	--	0.212
MW044	4/4/2018	REG	0.00843	0.00235 J	< 0.0100 U	0.471	--	0.077
MW045	5/9/2017	REG	< 0.0100 U	0.0197 J	< 0.0100 U	0.0201 J	--	0.0579
MW045	9/26/2017	REG	0.00229	0.0195	< 0.0100 U	< 0.100 U	--	0.0614
MW045	4/5/2018	REG	0.00173 J	0.0126	< 0.0100 U	< 0.100 U	--	0.0634
MW045	4/5/2018	REG	0.00196 J	0.0139	< 0.0100 U	< 0.100 U	--	0.0618
MW045	4/5/2018	REG	0.00177 J	0.0142	< 0.0100 U	< 0.100 U	--	0.0604
MW045	9/11/2018	REG	0.00213 J	0.0131	< 0.0100 U	< 0.100 U	--	0.071
MW045	4/17/2019	REG	0.00232 J	0.012	< 0.0100 U	0.0767 J	--	0.0782
MW045	4/17/2019	FD	0.00221 J	0.0111	< 0.0100 U	0.0544 J	--	0.0736
MW045	10/10/2019	REG	0.00203 J	0.0103	< 0.0100 U	< 0.100 U	--	0.0751 J
MW046	5/9/2017	REG	0.0438	0.00500 J	< 0.0100 U	3.5	--	0.776
MW046A	5/9/2017	REG	0.0103	1.69	1.78	0.105	--	0.0253
MW046A	9/26/2017	REG	0.0113	1.84	1.63	0.0416 J	--	0.00285
MW046A	4/4/2018	REG	0.01	1.74	1.57	< 0.100 U	--	0.0028
MW046A	9/11/2018	REG	0.0106	1.77	1.67	< 0.100 U	--	0.00129 J
MW046A	4/17/2019	REG	0.0103	1.49	1.73	< 1.00 U	--	0.00333
MW046A	10/10/2019	REG	0.0103	2.08	2.19	0.108	--	0.00398 J

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GROUNDWATER ANALYTICAL RESULTS
UBU3250 EUNICE NORTH GAS PLANT

Parameter Name			Arsenic	Chromium	Chromium, Hexavalent	Iron	Barium	Manganese
Report Units			mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
Location ID	Date Sampled	Sample Purpose						
NMWQCC Domestic			0.1 mg/L	0.05 mg/L	0.05 mg/L	1.0 mg/L	2 mg/L	0.2 mg/L
MW047	5/10/2017	REG	0.00901	0.107	0.136	0.00410 J	--	< 0.00200 U
MW047	9/22/2017	REG	0.0105	0.129	0.139	< 0.100 U	--	< 0.00200 U
MW047	4/4/2018	REG	0.0107	0.0896	0.0746	< 0.100 U	--	0.000787 J
MW047	9/14/2018	REG	0.012	0.06	0.0507	< 0.100 U	--	< 0.00200 U
MW047	4/17/2019	REG	0.0116	0.0809	0.0709	0.0228 J	--	0.000519 J
MW047	10/11/2019	REG	0.00113 J	0.00379 J	< 0.0100 U	0.0560 J	--	1.13
MW048SA	5/5/2017	REG	0.00985	0.576	0.55	0.0411	--	< 0.00200 U
MW048SA	5/5/2017	FD	0.00976	0.54	0.55	< 0.0200 U	--	< 0.00200 U
MW048SA	9/20/2017	REG	0.0111	0.559	0.542	< 0.100 U	--	0.000794 J
MW048SA	3/23/2018	REG	0.0117	0.457	0.453	< 0.1	--	0.000252 J
MW048SA	9/12/2018	REG	0.0119	0.453	0.404	0.136	--	0.000896 J
MW048SA	4/16/2019	REG	0.0121	0.396	0.363	0.0259 J	--	0.00124 J
MW048SA	10/9/2019	REG	0.0115	0.369	0.36	0.0356 J	--	0.00168 J
MW049SA	5/5/2017	REG	0.00926	0.185	0.193	0.0205	--	< 0.00200 U
MW049SA	9/20/2017	REG	0.0107	0.196	0.19	< 0.100 U	--	0.000498 J
MW049SA	3/23/2018	REG	0.0112	0.186	0.193	< 0.1	--	0.000274 J
MW049SA	9/12/2018	REG	0.0116	0.188	0.171	< 0.100 U	--	0.000414 J
MW049SA	4/16/2019	REG	0.0125 J	0.2	0.176	< 0.500 U	--	< 0.0100 U
MW049SA	10/9/2019	REG	0.013	0.246	0.187	0.123	--	0.00393
MW050SA	5/10/2017	REG	0.0081	0.309	0.276	0.00504 J	--	0.0209
MW050SA	9/21/2017	REG	0.00926	0.409 J	0.346	< 0.100 U	--	0.0166
MW050SA	4/3/2018	REG	0.0086	0.287	0.196	< 0.100 U	--	0.0173
MW050SA	4/3/2018	FD	0.00887	0.272	0.184	< 0.100 U	--	0.0164
MW050SA	9/12/2018	REG	0.00822	0.442	0.405	< 0.100 U	--	0.0204
MW050SA	4/15/2019	REG	0.00854	0.329	0.29	< 0.100 U	--	0.0191
MW050SA	10/9/2019	REG	0.00869	0.394	0.355	< 0.100 U	--	0.0158
MW051SA	5/10/2017	REG	0.0114	0.818	0.819	0.00232 J	--	0.000337 J
MW051SA	9/20/2017	REG	0.0119	0.793	0.764	< 0.100 U	--	0.000608 J
MW051SA	4/3/2018	REG	0.012	0.788	0.691	< 0.100 U	--	0.000993 J
MW051SA	9/12/2018	REG	0.0116	0.799	0.668	< 0.100 U	--	0.00236
MW051SA	4/15/2019	REG	0.0126	0.779	0.733	< 0.100 U	--	0.00822
MW051SA	10/10/2019	REG	0.0119	0.699	0.658	0.0345 J	--	0.00252 J
MW052SA	5/10/2017	REG	0.0116	0.207	0.222	0.00339 J	--	0.000376 J
MW052SA	9/20/2017	REG	0.0137	0.239	0.215	0.246	--	0.00892
MW052SA	3/23/2018	REG	0.0135	0.222	0.225	< 0.1	--	0.000710 J
MW052SA	9/12/2018	REG	0.0131	0.242	0.222	< 0.100 U	--	0.000660 J
MW052SA	4/16/2019	REG	0.0138	0.246	0.224	0.11	--	0.00376
MW052SA	10/9/2019	REG	0.0119	0.201	0.239	< 0.100 U	--	0.000382 J
MW054SA	5/10/2017	REG	0.00952	0.122	0.126	0.0113 J	--	0.000350 J
MW054SA	9/20/2017	REG	0.0108	0.132	0.117	< 0.100 U	--	0.000414 J
MW054SA	9/20/2017	FD	0.0103	0.128	0.119	< 0.100 U	--	0.000392 J
MW054SA	3/23/2018	REG	0.011	0.125	0.12	< 0.1	--	< 0.00200 U

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GROUNDWATER ANALYTICAL RESULTS
UBU3250 EUNICE NORTH GAS PLANT

Parameter Name			Arsenic	Chromium	Chromium, Hexavalent	Iron	Barium	Manganese
Report Units			mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
Location ID	Date Sampled	Sample Purpose						
NMWQCC Domestic			0.1 mg/L	0.05 mg/L	0.05 mg/L	1.0 mg/L	2 mg/L	0.2 mg/L
MW054SA	9/12/2018	REG	0.0107	0.131	0.115	0.103	--	0.00315
MW054SA	9/12/2018	FD	0.0108	0.129	0.118	0.0672 J	--	0.00235
MW054SA	4/16/2019	REG	0.0109	0.122	0.117	0.227	--	0.0073
MW054SA	10/9/2019	REG	0.0105	0.117	0.114	< 0.100 U	--	0.000327 J
MW055SA	5/9/2017	REG	0.00647	0.159	0.169	0.00386 J	--	0.000225 J
MW055SA	9/20/2017	REG	0.00754	0.181	0.165	< 0.100 U	--	0.000399 J
MW055SA	3/22/2018	REG	0.00734	0.179	0.154	< 0.1	0.0224	0.000368
MW055SA	9/12/2018	REG	0.00784	0.171	0.166	< 0.100 U	--	0.000439 J
MW055SA	4/12/2019	REG	0.00749	0.177	0.157	< 0.100 U	--	0.000651 J
MW055SA	10/8/2019	REG	0.00745	0.178	0.169	< 0.100 U	--	0.000250 J
MW056SA	5/9/2017	REG	0.0146	0.378	0.348	0.122 J	--	0.000680 J
MW056SA	9/20/2017	REG	0.0149	0.413	0.369	< 0.100 U	--	0.000501 J
MW056SA	4/3/2018	REG	0.0136	0.416	0.401	< 0.100 U	--	0.000495 J
MW056SA	9/12/2018	REG	0.0155	0.417	0.401	0.0257 J	--	0.000575 J
MW056SA	4/17/2019	REG	0.0137	0.382	< 0.0100 U	< 0.200 U	--	0.000420 J
MW056SA	10/9/2019	REG	0.0137	0.33	0.312	0.0830 J	--	0.00116 J
MW057SA	5/9/2017	REG	0.012	0.0247	0.0241	0.0176 J	--	0.000496 J
MW057SA	9/20/2017	REG	0.0121	0.0349	0.0266	0.0947 J	--	0.00413
MW057SA	3/22/2018	REG	0.0125	0.0268	0.0163	< 0.1	0.0649	< 0.002
MW057SA	9/12/2018	REG	0.0127	0.0387	0.0276	< 0.100 U	--	0.000203 J
MW057SA	4/15/2019	REG	0.0124	0.0385	0.0343	0.0850 J	--	0.0034
MW057SA	10/9/2019	REG	0.0118	0.0408	0.0398	0.0797 J	--	0.0029
MW058	5/11/2017	REG	0.0121	2.72	2.48	0.516 J	--	0.00896
MW058	5/11/2017	FD	0.0119	2.85	2.47	0.343 J	--	0.00555
MW058	3/29/2018	REG	0.0124	2.83	2.99	0.0325	--	0.000881 J
MW058	4/12/2019	REG	0.0127	3.16	2.74	< 0.100 U	--	< 0.00200 U
MW058	4/12/2019	FD	0.013	3.25	2.9	< 0.100 U	--	< 0.00200 U
MW059	5/11/2017	REG	0.0118	0.535	0.441	0.0336	--	0.000967 J
MW059	9/21/2017	REG	0.014	0.563 J	0.473	0.0436 J	--	0.000998 J
MW059	3/29/2018	REG	0.0132	0.562	0.448 J	< 0.1	--	0.000366 J
MW059	9/13/2018	REG	0.0141 J	0.556	0.469	< 0.500 U	--	0.00308 J
MW059	4/15/2019	REG	0.0148	0.46	0.401	< 0.100 U	--	0.00107 J
MW059	10/8/2019	REG	0.0136	0.568	0.523	< 0.100 U	--	< 0.00200 U
MW059	10/8/2019	FD	0.0137	0.587	0.524	< 0.100 U	--	< 0.00200 U
MW060	9/22/2017	REG	0.00363	< 0.00400 U	< 0.0100 U	0.639	--	9.71
MW060	3/29/2018	REG	0.0056	< 0.00400 U	< 0.0100 U	1.26	--	9.7
MW060	9/13/2018	REG	0.00342 J	< 0.0200 U	< 0.0100 U	0.765	--	10.5
MW060	4/16/2019	REG	0.00265 J	0.00195 J	< 0.0100 UJ	0.796	--	12.5
MW060	10/9/2019	REG	0.00492	< 0.00400 U	< 0.0100 U	1.86	--	6.47
MW061	5/11/2017	REG	0.0107	1.96	2.13	0.127	--	0.0221
MW061	9/22/2017	REG	0.0119	2.2	1.99	< 0.100 U	--	0.0292
MW061	4/3/2018	REG	0.011	1.68	1.49	< 0.100 U	--	0.0702 J

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GROUNDWATER ANALYTICAL RESULTS
UBU3250 EUNICE NORTH GAS PLANT

Parameter Name			Arsenic	Chromium	Chromium, Hexavalent	Iron	Barium	Manganese
Report Units			mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
Location ID	Date Sampled	Sample Purpose						
NMWQCC Domestic			0.1 mg/L	0.05 mg/L	0.05 mg/L	1.0 mg/L	2 mg/L	0.2 mg/L
MW061	4/3/2018	FD	0.0107	2.11	1.44	< 0.100 U	--	0.0394 J
MW061	9/13/2018	REG	0.0120 J	1.56	1.44	< 0.500 U	--	0.036
MW061	4/16/2019	REG	0.0114	1.38	1.51 J	0.0231 J	--	0.0246
MW061	10/9/2019	REG	0.012	1.2	1.15	< 0.100 U	--	0.0603
MW062A	5/11/2017	REG	0.0214	0.00312 J	< 0.0100 U	0.00369 J	--	0.000214 J
MW062A	5/11/2017	FD	0.0203	0.00336 J	< 0.0100 U	0.0102 J	--	0.000357 J
MW062A	9/21/2017	REG	0.0254	0.00193 J	< 0.0100 U	< 0.100 U	--	0.000262 J
MW062A	3/29/2018	REG	0.0242	0.00207 J	< 0.0100 U	< 0.1	--	0.000335 J
MW062A	9/12/2018	REG	0.024	0.00213 J	< 0.0100 U	< 0.100 U	--	< 0.00200 U
MW062A	4/12/2019	REG	0.0249	0.00200 J	< 0.0100 U	< 0.100 U	--	< 0.00200 U
MW062A	10/8/2019	REG	0.0242	0.00187 J	< 0.0100 U	< 0.100 U	--	< 0.00200 U
MW063A	5/11/2017	REG	0.021	0.00309 J	< 0.0100 U	0.00612 J	--	0.000251 J
MW063A	9/21/2017	REG	0.0248	0.00154 J	< 0.0100 U	< 0.100 U	--	0.000408 J
MW063A	3/29/2018	REG	0.0233	0.00126 J	< 0.0100 U	< 0.1	--	0.000891 J
MW063A	9/12/2018	REG	0.0233	0.00162 J	< 0.0100 U	< 0.100 U	--	0.000592 J
MW063A	4/12/2019	REG	0.0244	0.00160 J	< 0.0100 U	< 0.100 U	--	0.000653 J
MW063A	10/8/2019	REG	0.0249	0.00168 J	< 0.0100 U	< 0.100 U	--	0.000251 J
MW065SA	5/9/2017	REG	0.0101	0.0631	0.0547 J	0.0149 J	--	0.0125
MW065SA	5/9/2017	FD	0.00999	0.0606	0.572 J	0.00336 J	--	0.0121
MW065SA	4/5/2018	REG	0.00851	0.114	0.11	< 0.100 U	--	0.0131
MW065SA	4/11/2019	REG	0.0103	0.0134	0.00690 J	< 0.100 U	--	0.0107
MW066SA	5/9/2017	REG	0.00815	0.094	0.0932	0.0548 J	--	0.298
MW066SA	9/20/2017	REG	0.00898	0.0801	0.0635	< 0.100 U	--	0.0741
MW066SA	3/22/2018	REG	0.00898	0.0387	0.021	< 0.1	0.0325	0.0118
MW066SA	9/12/2018	REG	0.00987	0.0186	0.0137	0.0408 J	--	0.115
MW066SA	4/11/2019	REG	0.00974	0.0179	0.00650 J	0.0678 J	--	0.0699
MW066SA	10/8/2019	REG	0.0108	0.00565	0.00610 J	< 0.100 U	--	0.00819
MW067SA	5/8/2017	REG	0.0169	< 0.00400 U	< 0.0100 U	< 0.0200 U	--	< 0.00200 U
MW067SA	9/20/2017	REG	0.0194	0.000881 J	< 0.0100 U	< 0.100 U	--	0.000652 J
MW067SA	9/20/2017	FD	0.0196	0.00117 J	< 0.0100 U	< 0.100 U	--	0.000925 J
MW068	5/11/2017	REG	0.0193	0.00262 J	< 0.0100 U	0.343	--	3.29
MW068	9/22/2017	REG	0.0163	0.000550 J	< 0.0100 U	0.298	--	2.6
MW068	4/3/2018	REG	0.0148	0.000799 J	< 0.0100 U	0.32	--	2.33 J
MW068	9/13/2018	REG	0.0180 J	< 0.0200 U	< 0.0100 U	0.345 J	--	2.37
MW068	4/15/2019	REG	0.0180 J	< 0.0200 U	< 0.0100 U	1.66	--	2.87
MW068	10/9/2019	REG	0.017	< 0.00400 U	< 0.0100 U	0.362	--	2.01
MW069	5/11/2017	REG	0.0157	0.00188 J	< 0.0100 U	1.35	--	0.72
MW069	9/21/2017	REG	0.0151	< 0.00400 U	< 0.0100 U	0.282	--	0.778
MW069	3/29/2018	REG	0.014	< 0.00400 U	< 0.0100 U	0.456	--	0.78
MW069	9/13/2018	REG	0.0149	< 0.00400 U	< 0.0100 U	0.563	--	0.774
MW069	4/15/2019	REG	0.0113 J	< 0.0200 U	< 0.0100 U	< 0.500 U	--	0.0902
MW069	10/9/2019	REG	0.00906	< 0.00400 U	< 0.0100 U	0.100 J	--	0.293

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GROUNDWATER ANALYTICAL RESULTS
UBU3250 EUNICE NORTH GAS PLANT

Parameter Name			Arsenic	Chromium	Chromium, Hexavalent	Iron	Barium	Manganese
Report Units			mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
Location ID	Date Sampled	Sample Purpose						
NMWQCC Domestic			0.1 mg/L	0.05 mg/L	0.05 mg/L	1.0 mg/L	2 mg/L	0.2 mg/L
MW070	5/11/2017	REG	0.0131	0.00191 J	< 0.0100 U	0.00494 J	--	0.000213 J
MW070	9/21/2017	REG	0.0155	0.000718 J	< 0.0100 U	< 0.100 U	--	< 0.00200 U
MW070	3/29/2018	REG	0.0141	< 0.00400 U	< 0.0100 U	< 0.1	--	0.000337 J
MW070	3/29/2018	FD	0.0133	< 0.00400 U	< 0.0100 U	< 0.1	--	0.00149 J
MW070	9/12/2018	REG	0.0145	0.000838 J	< 0.0100 U	< 0.100 U	--	0.000481 J
MW070	4/12/2019	REG	0.0141	< 0.00400 U	< 0.0100 U	0.0443 J	--	0.000935 J
MW070	10/8/2019	REG	0.0138	< 0.00400 U	< 0.0100 U	< 0.100 U	--	< 0.00200 U
MW071SA	5/9/2017	REG	0.00711	0.0076	< 0.0100 U	0.252 J	--	0.389
MW071SA	9/20/2017	REG	0.00923	0.00315 J	< 0.0100 U	0.155	--	0.299
MW071SA	3/22/2018	REG	0.00852	0.00884	< 0.0100 U	< 0.1	0.0624	0.142
MW071SA	9/12/2018	REG	0.00951	0.00142 J	< 0.0100 U	0.100 J	--	0.293
MW071SA	4/11/2019	REG	0.00836	0.00587	< 0.0100 U	0.0284 J	--	0.216
MW071SA	10/8/2019	REG	0.00874	0.000795 J	< 0.0100 U	< 0.100 U	--	0.273
MW071SA	10/8/2019	FD	0.00879	0.00110 J	< 0.0100 U	0.0251 J	--	0.284
MW072SA	5/9/2017	REG	0.0154	0.00268 J	< 0.0100 U	0.00480 J	--	< 0.00200 U
MW072SA	9/20/2017	REG	0.017	0.00101 J	< 0.0100 U	< 0.100 U	--	0.000510 J
MW072SA	3/22/2018	REG	0.0148	0.000617 J	< 0.0100 U	0.0909	0.0246	0.00382
MW072SA	9/12/2018	REG	0.0179	< 0.00400 U	< 0.0100 U	< 0.100 U	--	0.000362 J
MW072SA	4/11/2019	REG	0.0186	< 0.00400 U	< 0.0100 U	0.0464 J	--	0.00182 J
MW072SA	10/9/2019	REG	0.0189	< 0.00400 U	< 0.0100 U	< 0.100 U	--	0.00204
MW073SA	5/9/2017	REG	0.0112	0.00230 J	< 0.0100 U	0.0147 J	--	0.0112
MW073SA	9/20/2017	REG	0.0128	0.000850 J	< 0.0100	< 0.100 U	--	0.00351
MW073SA	3/22/2018	REG	0.0118	< 0.00400 U	< 0.0100 U	< 0.1	0.0368	0.000798
MW073SA	9/12/2018	REG	0.0112	< 0.00400 U	< 0.0100 U	0.231	--	0.00136 J
MW073SA	4/11/2019	REG	0.0102	< 0.00400 U	< 0.0100 U	< 0.100 U	--	0.00344
MW073SA	10/9/2019	REG	0.0119	< 0.00400 U	< 0.0100 U	< 0.100 U	--	0.0104
MW074SA	5/9/2017	REG	0.0122	0.00866	0.00440 J	0.0776 J	--	0.00170 J
MW074SA	9/20/2017	REG	0.0131	0.00754	< 0.0100 U	< 0.100 U	--	0.000218 J
MW074SA	3/22/2018	REG	0.0125	0.00601	< 0.0100 U	< 0.1	0.0288	< 0.002
MW074SA	9/12/2018	REG	0.0152	0.00517	< 0.0100 U	< 0.100 U	--	0.000226 J
MW074SA	4/12/2019	REG	0.0151	0.00508	< 0.0100 U	0.0318 J	--	0.000585 J
MW074SA	10/8/2019	REG	0.0153	0.0058	0.00610 J	< 0.100 U	--	< 0.00200 U
MW075SA	5/8/2017	REG	0.0125	0.0112	0.00840 J	< 0.0200 U	--	< 0.00200 U
MW075SA	9/20/2017	REG	0.0143	0.0135	0.00650 J	< 0.100 U	--	0.000256 J
MW075SA	3/22/2018	REG	0.0123	0.0121	< 0.0100 U	< 0.1	0.0136	< 0.002
MW075SA	9/11/2018	REG	0.0152	0.0135	0.00660 J	< 0.100 U	--	0.000321 J
MW075SA	4/11/2019	REG	0.0134	0.0128	0.00940 J	< 0.100 U	--	0.000224 J
MW075SA	10/8/2019	REG	0.0146	0.0116	0.0113	< 0.100 U	--	< 0.00200 U
MW075SA	10/8/2019	FD	0.0144	0.0117	0.0100 J	< 0.100 U	--	< 0.00200 U
MW076SA	5/8/2017	REG	0.0103	0.012	0.00920 J	< 0.0200 U	--	< 0.00200 U
MW076SA	9/20/2017	REG	0.0119	0.0146	0.00760 J	< 0.100 U	--	0.000882 J
MW076SA	3/22/2018	REG	0.0109	0.0128	0.00300 J	0.0973	0.0222	0.00196

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GROUNDWATER ANALYTICAL RESULTS
UBU3250 EUNICE NORTH GAS PLANT

Parameter Name			Arsenic	Chromium	Chromium, Hexavalent	Iron	Barium	Manganese
Report Units			mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
Location ID	Date Sampled	Sample Purpose						
NMWQCC Domestic			0.1 mg/L	0.05 mg/L	0.05 mg/L	1.0 mg/L	2 mg/L	0.2 mg/L
MW076SA	9/11/2018	REG	0.013	0.0137	0.00580 J	0.0231 J	--	0.000582 J
MW076SA	4/11/2019	REG	0.0123	0.0119	0.0143	0.225	--	0.00388
MW076SA	10/8/2019	REG	0.0126	0.00657	0.00740 J	0.0567 J	--	0.000831 J
MW079SA	5/8/2017	REG	0.00324	< 0.00400 U	< 0.0100 U	0.428	--	0.0566
MW079SA	9/20/2017	REG	0.00748	0.00105 J	< 0.0100 U	0.101	--	0.0251
MW079SA	3/23/2018	REG	0.00663	< 0.00400 U	< 0.0100 U	0.335	--	0.0531
MW079SA	9/12/2018	REG	0.00709	0.000775 J	< 0.0100 U	0.176	--	0.0406
MW079SA	9/12/2018	FD	0.00707	0.000783 J	< 0.0100 U	0.184	--	0.042
MW079SA	4/15/2019	REG	0.00583	0.00103 J	< 0.0100 U	0.581	--	0.0511
MW079SA	10/9/2019	REG	0.00843	< 0.00400 U	< 0.0100 U	0.0585 J	--	0.0218
MW083SA	5/8/2017	REG	0.0115	0.00703	< 0.0100 U	0.867	--	0.0785
MW084SA	5/8/2017	REG	0.0108	0.0328	0.0313	0.0341	--	< 0.00200 U
MW084SA	9/20/2017	REG	0.0098	0.0165	0.0112	< 0.100 U	--	0.00181 J
MW084SA	3/22/2018	REG	0.00734	0.0126	< 0.0100 U	0.324	0.0369	0.0115
MW084SA	9/11/2018	REG	0.00938	0.0168	0.00860 J	< 0.100 U	--	0.0029
MW084SA	4/11/2019	REG	0.00962	0.0205	0.0167	0.415	--	0.0177
MW084SA	10/8/2019	REG	0.00979	0.0208	0.0204	< 0.100 U	--	0.00474
MW085SA	5/8/2017	REG	0.0111	0.0254	0.0244	< 0.0200 U	--	0.00864
MW085SA	9/20/2017	REG	0.0124	0.0293	0.0182	< 0.100 U	--	0.0241
MW085SA	3/22/2018	REG	0.0142	0.0336	0.0126	0.0345	0.0449	0.0332
MW085SA	9/11/2018	REG	0.014	0.0258	0.00280 J	0.177	--	0.115
MW085SA	4/11/2019	REG	0.0141	0.0559	0.0236	0.319	--	0.0265
MW085SA	10/8/2019	REG	0.0128	0.0497	0.0318	0.102	--	0.0167
MW086SA	5/9/2017	REG	0.0103	0.0549	0.00840 J	0.241 J	--	0.00381
MW086SA	9/20/2017	REG	0.0111	0.0475	0.0464	0.515	--	0.0101
MW086SA	3/22/2018	REG	0.00957	0.039	0.0341	0.266	0.0267	0.00512
MW086SA	9/11/2018	REG	0.0123	0.034	0.0255	< 0.100 U	--	0.00153 J
MW086SA	4/11/2019	REG	0.0116	0.0482	0.0385	0.0839 J	--	0.00235
MW086SA	10/8/2019	REG	0.0123	0.0762	0.067	< 0.100 U	--	0.00833
MW087A	5/4/2017	REG	0.00338	0.0478	< 0.0100 U	1.12	--	0.548
MW087A	4/4/2018	REG	0.00115 J	0.0265	< 0.0100 U	1.18	--	0.281
MW087A	4/17/2019	REG	0.00120 J	0.0423	0.00490 J	3.56	--	0.185
MW088M	5/5/2017	REG	0.0235	0.165	< 0.0100 U	0.688	--	0.798
MW088M	9/22/2017	REG	0.0304	0.194	< 0.0100 U	7.5	--	0.931
MW088M	4/4/2018	REG	0.0286	0.164	< 0.0100 U	7.59	--	0.788
MW088M	9/13/2018	REG	0.0234	0.157	< 0.0100 U	1.99	--	0.994
MW088M	4/17/2019	REG	0.0217	0.138	< 0.0100 U	1.72 J	--	1.26
MW088M	10/10/2019	REG	0.0178	0.135	< 0.0100 U	1.98	--	1.40 J
MW089SA	5/4/2017	REG	0.0101	1.15	1.02	< 0.0200 U	--	< 0.00200 U
MW089SA	9/22/2017	REG	0.0112	1.24	1.26	< 0.100 U	--	0.000274 J
MW089SA	4/4/2018	REG	0.0102	1.14	1.02	< 0.100 U	--	0.000901 J
MW089SA	9/14/2018	REG	0.0109	1.18	1.04	< 0.100 U	--	0.000448 J

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GROUNDWATER ANALYTICAL RESULTS
UBU3250 EUNICE NORTH GAS PLANT

Parameter Name			Arsenic	Chromium	Chromium, Hexavalent	Iron	Barium	Manganese
Report Units			mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
Location ID	Date Sampled	Sample Purpose						
NMWQCC Domestic			0.1 mg/L	0.05 mg/L	0.05 mg/L	1.0 mg/L	2 mg/L	0.2 mg/L
MW089SA	4/17/2019	REG	0.0107	1.1	1.06	< 1.00 U	--	0.00835
MW089SA	10/11/2019	REG	0.0103	1.12	1.15	< 0.100 U	--	0.000543 J
MW090	5/4/2017	FD	0.00813	0.187	0.19	< 0.0200 U	--	< 0.00200 U
MW090SA	5/4/2017	REG	0.0094	0.194	0.188	< 0.0200 U	--	< 0.00200 U
MW090SA	4/4/2018	REG	0.00926	0.263	0.258	< 0.100 U	--	0.000541 J
MW090SA	4/17/2019	REG	0.0096	0.265	0.31	< 0.100 U	--	0.000728 J
MW091SA	5/5/2017	REG	0.00905	0.786	0.687	< 0.0200 U	--	< 0.00200 U
MW093SA	9/22/2017	REG	0.00906	0.645	0.702	< 1.00 U	--	0.0478
MW093SA	3/29/2018	REG	0.00826	0.523	0.557	< 0.1	--	0.142
MW093SA	9/14/2018	REG	0.00859	0.494	0.504	< 0.100 U	--	0.019
MW093SA	4/16/2019	REG	0.00811	0.405	0.365	0.0483 J	--	0.244
MW093SA	10/10/2019	REG	0.0092	0.547	0.518	0.0382 J	--	0.121 J
MW093SA	10/10/2019	FD	0.0092	0.563	0.528	0.0313 J	--	0.119 J
MW094	5/11/2017	REG	0.00835	1.62	1.72	0.0465	--	0.0363
MW094	4/3/2018	REG	0.0095	1.74	1.65	< 0.100 U	--	0.0140 J
MW094	4/16/2019	REG	0.0108	1.53	1.88 J	0.134	--	0.0141
MW095	5/11/2017	REG	0.00731	4.07	4.06	0.0336	--	0.0688
MW095	3/29/2018	REG	0.00933	4.15	1.03	< 0.1	--	0.132
MW095	9/13/2018	REG	0.00984 J	3.93	3.62	< 0.500 U	--	0.14
MW095	4/16/2019	REG	0.0093	3.77	3.46 J	0.242	--	0.147
MW095	4/16/2019	FD	0.00823	3.97	3.54	0.239	--	0.126
MW095	10/9/2019	REG	0.00909	3.29	3.02	< 0.100 U	--	0.142
MW095	10/9/2019	FD	0.00914	3.58	3.11 J	< 0.100 U	--	0.141
MW096P	5/4/2017	REG	0.0116	0.0615	0.0162	0.119	--	0.242
MW097P	5/4/2017	REG	0.00811	0.39	0.379	< 0.0200 U	--	0.0722
MW097P	4/4/2018	REG	0.00869	0.385	0.371	< 0.100 U	--	0.0554
MW097P	4/16/2019	REG	0.0111 J	0.479	0.36	< 0.500 U	--	0.0557
MW099	5/11/2017	REG	0.0375	0.00134 J	< 0.0100 U	0.0509 J	--	0.387
MW099	9/21/2017	REG	0.0297	< 0.00400 U	< 0.0100 U	0.0705 J	--	0.322
MW099	3/29/2018	REG	0.0124	< 0.00400 U	< 0.0100 U	0.0835	--	0.262
MW099	3/29/2018	FD	0.012	< 0.00400 U	< 0.0100 U	0.0661	--	0.252
MW099	9/13/2018	REG	0.00898 J	< 0.0200 U	< 0.0100 U	< 0.500 U	--	0.219
MW099	4/12/2019	REG	0.00744	< 0.00400 U	< 0.0100 U	0.0423 J	--	0.18
MW099	10/9/2019	REG	0.01	< 0.00400 U	< 0.0100 U	0.0626 J	--	0.195
MW100	5/9/2017	REG	0.00793	0.00191 J	< 0.0100 U	0.151 J	--	0.184
MW100	5/9/2017	FD	0.00873	0.00209 J	< 0.0100	0.212 J	--	0.246
MW100	9/20/2017	REG	0.0129	0.00223 J	< 0.0100 U	0.528	--	0.124
MW100	9/20/2017	FD	0.0139	0.00125 J	< 0.0100 U	0.426	--	0.116
MW100	3/22/2018	REG	0.00858	< 0.00400 U	< 0.0100 U	0.0727	0.0385	0.172
MW100	9/11/2018	REG	0.00935	< 0.00400 U	< 0.0100 U	0.0583 J	--	0.253
MW100	9/11/2018	FD	0.00906	< 0.00400 U	< 0.0100 U	0.0569 J	--	0.223
MW100	4/11/2019	REG	0.0106	0.00733	< 0.0100 U	0.36	--	0.299

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GROUNDWATER ANALYTICAL RESULTS
UBU3250 EUNICE NORTH GAS PLANT

Parameter Name			Arsenic	Chromium	Chromium, Hexavalent	Iron	Barium	Manganese
Report Units			mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
Location ID	Date Sampled	Sample Purpose						
NMWQCC Domestic			0.1 mg/L	0.05 mg/L	0.05 mg/L	1.0 mg/L	2 mg/L	0.2 mg/L
MW100	4/11/2019	FD	0.0106	0.00692	< 0.0100 U	0.345	--	0.303
MW100	10/8/2019	REG	0.00952	0.000802 J	< 0.0100 U	0.0928 J	--	0.27
MW70A	5/11/2017	REG	0.0182	0.00348 J	< 0.0100 U	0.00351 J	--	0.000259 J
RW003	5/5/2017	REG	0.0792	< 0.00400 U	< 0.0100 U	38.7	--	1.21
RW004A	5/4/2017	REG	0.036	0.0285	< 0.0100 U	23.1	--	0.274
Teague	5/11/2017	REG	0.00457	0.00844	< 0.0100 U	0.0466 J	--	0.0185
Trip Blank	5/5/2017	TB	--	--	--	--	--	--
Trip Blank	5/9/2017	TB	--	--	--	--	--	--
Trip Blank	5/10/2017	TB	--	--	--	--	--	--
Trip Blank	5/11/2017	TB	--	--	--	--	--	--
WoodellWW	5/11/2017	REG	0.0095	0.115	0.113	0.0826 J	--	0.000684 J

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GROUNDWATER ANALYTICAL RESULTS
UBU3250 EUNICE NORTH GAS PLANT

Parameter Name			Benzene	Toluene	Ethylbenzene	Xylene (total)	Petroleum Hydrocarbons (C6-C10)-GRO
Report Units			mg/L	mg/L	mg/L	mg/L	mg/L
Location ID	Date Sampled	Sample Purpose					
NMWQCC Domestic			0.005 mg/L	1 mg/L	0.7 mg/L	0.62 mg/L	--
IW001	5/5/2017	REG	--	--	--	--	--
IW002	5/5/2017	REG	--	--	--	--	--
IW003	5/8/2017	REG	--	--	--	--	--
IW003	3/22/2018	REG	--	--	--	--	--
IW003	4/15/2019	REG	--	--	--	--	--
IW004	5/8/2017	REG	--	--	--	--	--
IW005	5/8/2017	REG	--	--	--	--	--
IW006	5/8/2017	REG	--	--	--	--	--
IW007	5/8/2017	REG	--	--	--	--	--
IW008	5/8/2017	REG	--	--	--	--	--
IW008	5/8/2017	FD	--	--	--	--	--
IW008	3/22/2018	REG	--	--	--	--	--
IW008	4/12/2019	REG	--	--	--	--	--
IW010	5/8/2017	REG	--	--	--	--	--
IW010	3/22/2018	REG	--	--	--	--	--
IW010	4/12/2019	REG	--	--	--	--	--
IW011	5/8/2017	REG	--	--	--	--	--
IW012	5/8/2017	REG	--	--	--	--	--
IW013	5/8/2017	REG	--	--	--	--	--
IW014	5/8/2017	REG	--	--	--	--	--
IW015	5/8/2017	REG	--	--	--	--	--
IW016	5/8/2017	REG	--	--	--	--	--
IW019	5/5/2017	REG	< 0.002 U	< 0.002 U	< 0.002 U	< 0.002 U	< 1.50 U
IW019	9/26/2017	REG	< 0.002 U	< 0.002 U	< 0.002 U	< 0.002 U	< 1.50 U
IW019	4/4/2018	REG	< 0.002 U	< 0.002 U	< 0.002 U	< 0.002 U	< 1.50 U
IW019	9/11/2018	REG	< 0.002 U	< 0.002 U	< 0.002 U	< 0.002 U	< 1.50 U
IW019	4/16/2019	REG	< 0.002 U	< 0.002 U	< 0.002 U	< 0.002 U	< 1.50 U
IW019	4/16/2019	FD	< 0.002 U	< 0.002 U	< 0.002 U	< 0.002 U	< 1.50 U
IW019	10/10/2019	REG	< 0.002 U	< 0.002 U	< 0.002 UJ	< 0.002 U	< 2.12 U
IW021	5/5/2017	REG	--	--	--	--	--
IW022	5/5/2017	REG	--	--	--	--	--
IW023	5/5/2017	REG	--	--	--	--	--
IW023	9/22/2017	REG	--	--	--	--	--
IW023	3/29/2018	REG	--	--	--	--	--
IW023	9/14/2018	REG	--	--	--	--	--
IW023	9/14/2018	FD	--	--	--	--	--
IW023	4/16/2019	REG	--	--	--	--	--
IW023	10/10/2019	REG	--	--	--	--	--
IW024	5/4/2017	REG	--	--	--	--	--
IW024	4/4/2018	REG	--	--	--	--	--
IW024	4/16/2019	REG	--	--	--	--	--
IW025	5/4/2017	REG	--	--	--	--	--

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GROUNDWATER ANALYTICAL RESULTS
UBU3250 EUNICE NORTH GAS PLANT

Parameter Name			Benzene	Toluene	Ethylbenzene	Xylene (total)	Petroleum Hydrocarbons (C6-C10)-GRO
Report Units			mg/L	mg/L	mg/L	mg/L	mg/L
Location ID	Date Sampled	Sample Purpose					
NMWQCC Domestic			0.005 mg/L	1 mg/L	0.7 mg/L	0.62 mg/L	--
IW026	5/4/2017	REG	--	--	--	--	--
IW027	5/4/2017	REG	--	--	--	--	--
IW028	5/4/2017	REG	--	--	--	--	--
IW029P	5/11/2017	REG	< 0.002 U	< 0.002 U	< 0.002 U	< 0.002 U	< 1.50 U
IW029P	5/11/2017	FD	< 0.002 U	< 0.002 U	< 0.002 U	**0.00866**	< 1.50 U
LordWW	5/11/2017	REG	--	--	--	--	--
MW001	5/10/2017	REG	< 0.002 U	< 0.002 U	**0.0364**	< 0.002 U	< 1.50 U
MW001	5/10/2017	FD	< 0.002 U	< 0.002 U	**0.0315**	< 0.002 U	< 1.50 U
MW001	9/26/2017	REG	< 0.002 U	< 0.002 U	< 0.002 U	< 0.002 U	< 1.50 U
MW001	4/4/2018	REG	< 0.002 U	< 0.002 U	< 0.002 U	< 0.002 U	< 1.50 U
MW001	9/11/2018	REG	< 0.002 U	< 0.002 U	< 0.002 U	< 0.002 U	< 1.50 U
MW001	4/17/2019	REG	< 0.002 U	< 0.002 U	< 0.002 U	< 0.002 U	< 1.50 U
MW001	10/10/2019	REG	< 0.002 U	< 0.002 U	< 0.002 UJ	< 0.002 U	< 2.14 U
MW002	5/9/2017	REG	< 0.002 U	< 0.002 U	< 0.002 U	< 0.002 U	< 1.50 U
MW002A	5/9/2017	REG	--	--	--	--	--
MW002A	9/22/2017	REG	--	--	--	--	--
MW002A	4/4/2018	REG	--	--	--	--	--
MW002A	9/14/2018	REG	--	--	--	--	--
MW002A	4/17/2019	REG	--	--	--	--	--
MW002A	10/10/2019	REG	--	--	--	--	--
MW002A	10/10/2019	FD	--	--	--	--	--
MW003	5/4/2017	REG	--	--	--	--	--
MW004	5/5/2017	REG	< 0.002 U	< 0.002 U	< 0.002 U	< 0.002 U	< 1.50 U
MW004	5/5/2017	FD	< 0.002 U	< 0.002 U	< 0.002 U	< 0.002 U	< 1.50 U
MW004A	5/5/2017	REG	--	--	--	--	--
MW004A	9/22/2017	REG	--	--	--	--	--
MW004A	4/4/2018	REG	< 0.002 U	< 0.002 U	< 0.002 U	< 0.002 U	< 1.50 U
MW004A	9/14/2018	REG	--	--	--	--	--
MW004A	4/16/2019	REG	--	--	--	--	--
MW004A	10/11/2019	REG	--	--	--	--	--
MW007	5/4/2017	REG	--	--	--	--	--
MW007A	5/4/2017	REG	--	--	--	--	--
MW007A	9/22/2017	REG	--	--	--	--	--
MW007A	4/4/2018	REG	--	--	--	--	--
MW007A	9/14/2018	REG	--	--	--	--	--
MW007A	4/17/2019	REG	--	--	--	--	--
MW007A	10/11/2019	REG	--	--	--	--	--
MW008	5/4/2017	REG	--	--	--	--	--
MW008A	5/4/2017	REG	--	--	--	--	--
MW008M	5/4/2017	REG	--	--	--	--	--
MW008M	9/22/2017	REG	--	--	--	--	--
MW008M	4/4/2018	REG	--	--	--	--	--

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GROUNDWATER ANALYTICAL RESULTS
UBU3250 EUNICE NORTH GAS PLANT

Parameter Name			Benzene	Toluene	Ethylbenzene	Xylene (total)	Petroleum Hydrocarbons (C6-C10)-GRO
Report Units			mg/L	mg/L	mg/L	mg/L	mg/L
Location ID	Date Sampled	Sample Purpose					
NMWQCC Domestic			0.005 mg/L	1 mg/L	0.7 mg/L	0.62 mg/L	--
MW008M	4/4/2018	FD	--	--	--	--	--
MW008M	9/14/2018	REG	--	--	--	--	--
MW008M	4/17/2019	REG	--	--	--	--	--
MW008M	10/10/2019	REG	--	--	--	--	--
MW009	5/4/2017	REG	--	--	--	--	--
MW009A	5/4/2017	REG	--	--	--	--	--
MW010	5/9/2017	REG	--	--	--	--	--
MW010	9/21/2017	REG	--	--	--	--	--
MW010	4/2/2018	REG	--	--	--	--	--
MW010	9/13/2018	REG	--	--	--	--	--
MW010	4/16/2019	REG	--	--	--	--	--
MW010	10/10/2019	REG	--	--	--	--	--
MW010	10/10/2019	FD	--	--	--	--	--
MW011	5/5/2017	REG	--	--	--	--	--
MW011A	5/5/2017	REG	--	--	--	--	--
MW011A	9/22/2017	REG	--	--	--	--	--
MW011A	9/22/2017	FD	--	--	--	--	--
MW011A	4/4/2018	REG	--	--	--	--	--
MW011A	9/14/2018	REG	--	--	--	--	--
MW011A	9/14/2018	FD	--	--	--	--	--
MW011A	4/17/2019	REG	--	--	--	--	--
MW011A	10/10/2019	REG	--	--	--	--	--
MW011M	5/5/2017	REG	--	--	--	--	--
MW012	5/5/2017	REG	--	--	--	--	--
MW012A	5/5/2017	REG	--	--	--	--	--
MW012M	5/5/2017	REG	--	--	--	--	--
MW012M	4/4/2018	REG	--	--	--	--	--
MW012M	4/17/2019	REG	--	--	--	--	--
MW013	5/9/2017	REG	--	--	--	--	--
MW013	9/21/2017	REG	--	--	--	--	--
MW013	4/2/2018	REG	--	--	--	--	--
MW013	9/13/2018	REG	--	--	--	--	--
MW013	4/16/2019	REG	--	--	--	--	--
MW013	10/10/2019	REG	--	--	--	--	--
MW013A	5/11/2017	REG	--	--	--	--	--
MW015	5/11/2017	REG	--	--	--	--	--
MW015A	5/11/2017	REG	--	--	--	--	--
MW015A	9/22/2017	REG	--	--	--	--	--
MW015A	4/2/2018	REG	--	--	--	--	--
MW015A	4/2/2018	FD	--	--	--	--	--
MW015A	9/13/2018	REG	--	--	--	--	--
MW015A	4/16/2019	REG	--	--	--	--	--

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GROUNDWATER ANALYTICAL RESULTS
UBU3250 EUNICE NORTH GAS PLANT

Parameter Name			Benzene	Toluene	Ethylbenzene	Xylene (total)	Petroleum Hydrocarbons (C6-C10)-GRO
Report Units			mg/L	mg/L	mg/L	mg/L	mg/L
Location ID	Date Sampled	Sample Purpose					
NMWQCC Domestic			0.005 mg/L	1 mg/L	0.7 mg/L	0.62 mg/L	--
MW015A	10/9/2019	REG	--	--	--	--	--
MW016A	9/14/2018	REG	--	--	--	--	--
MW018	5/10/2017	REG	--	--	--	--	--
MW018	9/21/2017	REG	--	--	--	--	--
MW018	4/2/2018	REG	--	--	--	--	--
MW018	4/2/2018	FD	--	--	--	--	--
MW018	9/13/2018	REG	--	--	--	--	--
MW018	4/16/2019	REG	--	--	--	--	--
MW018	10/9/2019	REG	--	--	--	--	--
MW019A	5/10/2017	REG	--	--	--	--	--
MW019A	9/21/2017	REG	--	--	--	--	--
MW019A	4/2/2018	REG	--	--	--	--	--
MW019A	9/13/2018	REG	--	--	--	--	--
MW019A	4/16/2019	REG	--	--	--	--	--
MW019A	10/9/2019	REG	--	--	--	--	--
MW020	5/11/2017	REG	--	--	--	--	--
MW020A	5/11/2017	REG	--	--	--	--	--
MW020A	9/21/2017	REG	--	--	--	--	--
MW020A	4/2/2018	REG	--	--	--	--	--
MW020A	9/13/2018	REG	--	--	--	--	--
MW020A	4/16/2019	REG	--	--	--	--	--
MW020A	4/16/2019	FD	--	--	--	--	--
MW020A	10/9/2019	REG	--	--	--	--	--
MW021A	5/10/2017	REG	--	--	--	--	--
MW021A	9/22/2017	REG	--	--	--	--	--
MW021A	4/3/2018	REG	--	--	--	--	--
MW021A	9/12/2018	REG	--	--	--	--	--
MW021A	4/12/2019	REG	--	--	--	--	--
MW021A	10/10/2019	REG	--	--	--	--	--
MW023	5/11/2017	REG	--	--	--	--	--
MW023	9/21/2017	REG	--	--	--	--	--
MW023	3/29/2018	REG	--	--	--	--	--
MW023	9/13/2018	REG	--	--	--	--	--
MW023	4/15/2019	REG	--	--	--	--	--
MW023	10/8/2019	REG	--	--	--	--	--
MW023A	5/11/2017	REG	--	--	--	--	--
MW024	5/11/2017	REG	< 0.002 U	< 0.002 U	< 0.002 U	< 0.002 U	< 1.50 U
MW024A	5/11/2017	REG	--	--	--	--	--
MW024A	9/21/2017	REG	--	--	--	--	--
MW024A	9/21/2017	FD	--	--	--	--	--
MW024A	3/29/2018	REG	--	--	--	--	--
MW024A	9/12/2018	REG	--	--	--	--	--

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GROUNDWATER ANALYTICAL RESULTS
UBU3250 EUNICE NORTH GAS PLANT

Parameter Name			Benzene	Toluene	Ethylbenzene	Xylene (total)	Petroleum Hydrocarbons (C6-C10)-GRO
Report Units			mg/L	mg/L	mg/L	mg/L	mg/L
Location ID	Date Sampled	Sample Purpose					
NMWQCC Domestic			0.005 mg/L	1 mg/L	0.7 mg/L	0.62 mg/L	--
MW024A	9/12/2018	FD	--	--	--	--	--
MW024A	4/12/2019	REG	--	--	--	--	--
MW024A	10/8/2019	REG	--	--	--	--	--
MW026	9/22/2017	REG	--	--	--	--	--
MW026	4/5/2018	REG	--	--	--	--	--
MW026	9/13/2018	REG	--	--	--	--	--
MW026	4/16/2019	REG	--	--	--	--	--
MW026	10/11/2019	REG	--	--	--	--	--
MW027	5/11/2017	REG	--	--	--	--	--
MW027	9/22/2017	REG	--	--	--	--	--
MW027	4/3/2018	REG	--	--	--	--	--
MW027	9/13/2018	REG	--	--	--	--	--
MW027	4/16/2019	REG	--	--	--	--	--
MW027	10/9/2019	REG	--	--	--	--	--
MW030	5/11/2017	REG	--	--	--	--	--
MW030	9/21/2017	REG	--	--	--	--	--
MW030	3/29/2018	REG	--	--	--	--	--
MW030	9/13/2018	REG	--	--	--	--	--
MW030	4/12/2019	REG	--	--	--	--	--
MW030	10/8/2019	REG	--	--	--	--	--
MW030P	5/4/2017	REG	--	--	--	--	--
MW031	5/11/2017	REG	--	--	--	--	--
MW031	9/21/2017	REG	--	--	--	--	--
MW031	3/29/2018	REG	--	--	--	--	--
MW031	9/13/2018	REG	--	--	--	--	--
MW031	4/15/2019	REG	--	--	--	--	--
MW031	10/9/2019	REG	--	--	--	--	--
MW031	10/9/2019	FD	--	--	--	--	--
MW032	9/22/2017	REG	--	--	--	--	--
MW032	4/3/2018	REG	--	--	--	--	--
MW032	9/13/2018	REG	--	--	--	--	--
MW032	4/16/2019	REG	--	--	--	--	--
MW032	4/16/2019	FD	--	--	--	--	--
MW032	10/9/2019	REG	--	--	--	--	--
MW034	5/5/2017	REG	--	--	--	--	--
MW036	5/9/2017	REG	**0.407**	< 0.01 U	**0.588**	**0.0411**	**4.41**
MW037	5/9/2017	REG	**0.0572**	< 0.002 U	**0.0422**	< 0.002 U	**1.76**
MW037	9/26/2017	REG	**0.252**	**0.00271**	**0.173**	< 0.002 U	< 1.50 U
MW037	4/4/2018	REG	**0.0225**	**0.0006 J**	**0.00974**	< 0.002 U	< 1.50 U
MW037	4/4/2018	FD	**0.0254**	< 0.002 U	**0.0116**	< 0.002 U	< 1.50 U
MW037	9/11/2018	REG	**0.0719**	< 0.002 U	**0.0108**	**0.00977**	< 1.50 U
MW037	4/16/2019	REG	**0.719 D**	**0.00039 J**	**0.134**	**0.00272**	**3.22**

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GROUNDWATER ANALYTICAL RESULTS
UBU3250 EUNICE NORTH GAS PLANT

Parameter Name			Benzene	Toluene	Ethylbenzene	Xylene (total)	Petroleum Hydrocarbons (C6-C10)-GRO
Report Units			mg/L	mg/L	mg/L	mg/L	mg/L
Location ID	Date Sampled	Sample Purpose					
NMWQCC Domestic			0.005 mg/L	1 mg/L	0.7 mg/L	0.62 mg/L	--
MW037	10/10/2019	REG	**0.0926**	< 0.002 U	**0.0136 J**	< 0.002 U	**1.37 J**
MW038	5/9/2017	REG	**0.00943**	< 0.002 U	**0.00296**	< 0.002 U	< 1.50 U
MW038	5/9/2017	FD	**0.00799**	< 0.002 U	< 0.002 U	< 0.002 U	**1.04 J**
MW040A	5/9/2017	REG	--	--	--	--	--
MW040A	9/21/2017	REG	--	--	--	--	--
MW040A	4/2/2018	REG	--	--	--	--	--
MW040A	9/13/2018	REG	--	--	--	--	--
MW040A	4/16/2019	REG	--	--	--	--	--
MW040A	10/10/2019	REG	--	--	--	--	--
MW041A	5/5/2017	REG	--	--	--	--	--
MW041A	9/21/2017	REG	--	--	--	--	--
MW041A	3/29/2018	REG	--	--	--	--	--
MW041A	9/12/2018	REG	--	--	--	--	--
MW041A	4/16/2019	REG	--	--	--	--	--
MW041A	10/9/2019	REG	--	--	--	--	--
MW042A	5/9/2017	REG	< 0.002 U	< 0.002 U	< 0.002 U	< 0.002 U	< 1.50 U
MW043	5/9/2017	REG	< 0.002 U	< 0.002 U	< 0.002 U	< 0.002 U	**0.987 J**
MW043	9/26/2017	FD	< 0.002 U	< 0.002 U	< 0.002 U	< 0.002 U	< 1.50 U
MW043	9/26/2017	REG	< 0.002 U	< 0.002 U	< 0.002 U	< 0.002 U	< 1.50 U
MW043	4/3/2018	REG	< 0.002 U	< 0.002 U	< 0.002 U	**0.00087 J**	< 1.50 U
MW043	9/11/2018	REG	< 0.002 UJ	< 0.002 UJ	< 0.002 UJ	**0.00347 J**	< 1.50 U
MW043	9/11/2018	FD	< 0.002 U	< 0.002 U	< 0.002 U	**0.00319**	< 1.50 U
MW043	4/15/2019	REG	< 0.002 U	< 0.002 U	< 0.002 U	**0.00234**	< 1.50 U
MW043	10/10/2019	REG	< 0.002 U	< 0.002 U	< 0.002 UJ	< 0.002 U	**1.12 J**
MW044	5/9/2017	REG	< 0.002 U	< 0.002 U	< 0.002 U	< 0.002 U	< 1.50 U
MW044	4/4/2018	REG	< 0.002 U	< 0.002 U	< 0.002 U	< 0.002 U	< 1.50 U
MW045	5/9/2017	REG	< 0.002 U	< 0.002 U	< 0.002 U	< 0.002 U	< 1.50 U
MW045	9/26/2017	REG	< 0.002 U	< 0.002 U	< 0.002 U	< 0.002 U	< 1.50 U
MW045	4/5/2018	REG	< 0.002 U	< 0.002 U	< 0.002 U	< 0.002 U	< 1.50 U
MW045	4/5/2018	REG	< 0.002 U	< 0.002 U	< 0.002 U	< 0.002 U	< 1.50 U
MW045	4/5/2018	REG	< 0.002 U	< 0.002 U	< 0.002 U	< 0.002 U	< 1.50 U
MW045	9/11/2018	REG	< 0.002 U	< 0.002 U	< 0.002 U	< 0.002 U	< 1.50 U
MW045	4/17/2019	REG	< 0.002 U	< 0.002 U	< 0.002 U	< 0.002 U	< 1.50 U
MW045	4/17/2019	FD	< 0.002 U	< 0.002 U	< 0.002 U	< 0.002 U	< 1.50 U
MW045	10/10/2019	REG	< 0.002 U	< 0.002 U	< 0.002 UJ	< 0.002 U	< 2.20 U
MW046	5/9/2017	REG	**0.063**	< 0.002 U	**0.12**	**0.0177**	**2.09**
MW046A	5/9/2017	REG	< 0.002 U	< 0.002 U	< 0.002 U	< 0.002 U	< 1.50 U
MW046A	9/26/2017	REG	< 0.002 U	< 0.002 U	< 0.002 U	< 0.002 U	< 1.50 U
MW046A	4/4/2018	REG	< 0.002 U	< 0.002 U	< 0.002 U	< 0.002 U	< 1.50 U
MW046A	9/11/2018	REG	< 0.002 U	< 0.002 U	< 0.002 U	< 0.002 U	< 1.50 U
MW046A	4/17/2019	REG	< 0.002 U	< 0.002 U	< 0.002 U	< 0.002 U	< 1.50 U
MW046A	10/10/2019	REG	< 0.002 U	< 0.002 U	< 0.002 UJ	< 0.002 U	< 2.16 U

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GROUNDWATER ANALYTICAL RESULTS
UBU3250 EUNICE NORTH GAS PLANT

Parameter Name			Benzene	Toluene	Ethylbenzene	Xylene (total)	Petroleum Hydrocarbons (C6-C10)-GRO
Report Units			mg/L	mg/L	mg/L	mg/L	mg/L
Location ID	Date Sampled	Sample Purpose					
NMWQCC Domestic			0.005 mg/L	1 mg/L	0.7 mg/L	0.62 mg/L	--
MW047	5/10/2017	REG	--	--	--	--	--
MW047	9/22/2017	REG	--	--	--	--	--
MW047	4/4/2018	REG	--	--	--	--	--
MW047	9/14/2018	REG	--	--	--	--	--
MW047	4/17/2019	REG	--	--	--	--	--
MW047	10/11/2019	REG	--	--	--	--	--
MW048SA	5/5/2017	REG	--	--	--	--	--
MW048SA	5/5/2017	FD	--	--	--	--	--
MW048SA	9/20/2017	REG	--	--	--	--	--
MW048SA	3/23/2018	REG	--	--	--	--	--
MW048SA	9/12/2018	REG	--	--	--	--	--
MW048SA	4/16/2019	REG	--	--	--	--	--
MW048SA	10/9/2019	REG	--	--	--	--	--
MW049SA	5/5/2017	REG	--	--	--	--	--
MW049SA	9/20/2017	REG	--	--	--	--	--
MW049SA	3/23/2018	REG	--	--	--	--	--
MW049SA	9/12/2018	REG	--	--	--	--	--
MW049SA	4/16/2019	REG	--	--	--	--	--
MW049SA	10/9/2019	REG	--	--	--	--	--
MW050SA	5/10/2017	REG	--	--	--	--	--
MW050SA	9/21/2017	REG	--	--	--	--	--
MW050SA	4/3/2018	REG	--	--	--	--	--
MW050SA	4/3/2018	FD	--	--	--	--	--
MW050SA	9/12/2018	REG	--	--	--	--	--
MW050SA	4/15/2019	REG	--	--	--	--	--
MW050SA	10/9/2019	REG	--	--	--	--	--
MW051SA	5/10/2017	REG	--	--	--	--	--
MW051SA	9/20/2017	REG	--	--	--	--	--
MW051SA	4/3/2018	REG	--	--	--	--	--
MW051SA	9/12/2018	REG	--	--	--	--	--
MW051SA	4/15/2019	REG	--	--	--	--	--
MW051SA	10/10/2019	REG	--	--	--	--	--
MW052SA	5/10/2017	REG	--	--	--	--	--
MW052SA	9/20/2017	REG	--	--	--	--	--
MW052SA	3/23/2018	REG	--	--	--	--	--
MW052SA	9/12/2018	REG	--	--	--	--	--
MW052SA	4/16/2019	REG	--	--	--	--	--
MW052SA	10/9/2019	REG	--	--	--	--	--
MW054SA	5/10/2017	REG	--	--	--	--	--
MW054SA	9/20/2017	REG	--	--	--	--	--
MW054SA	9/20/2017	FD	--	--	--	--	--
MW054SA	3/23/2018	REG	--	--	--	--	--

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GROUNDWATER ANALYTICAL RESULTS
UBU3250 EUNICE NORTH GAS PLANT

Parameter Name			Benzene	Toluene	Ethylbenzene	Xylene (total)	Petroleum Hydrocarbons (C6-C10)-GRO
Report Units			mg/L	mg/L	mg/L	mg/L	mg/L
Location ID	Date Sampled	Sample Purpose					
NMWQCC Domestic			0.005 mg/L	1 mg/L	0.7 mg/L	0.62 mg/L	--
MW054SA	9/12/2018	REG	--	--	--	--	--
MW054SA	9/12/2018	FD	--	--	--	--	--
MW054SA	4/16/2019	REG	--	--	--	--	--
MW054SA	10/9/2019	REG	--	--	--	--	--
MW055SA	5/9/2017	REG	--	--	--	--	--
MW055SA	9/20/2017	REG	--	--	--	--	--
MW055SA	3/22/2018	REG	--	--	--	--	--
MW055SA	9/12/2018	REG	--	--	--	--	--
MW055SA	4/12/2019	REG	--	--	--	--	--
MW055SA	10/8/2019	REG	--	--	--	--	--
MW056SA	5/9/2017	REG	--	--	--	--	--
MW056SA	9/20/2017	REG	--	--	--	--	--
MW056SA	4/3/2018	REG	--	--	--	--	--
MW056SA	9/12/2018	REG	--	--	--	--	--
MW056SA	4/17/2019	REG	--	--	--	--	--
MW056SA	10/9/2019	REG	--	--	--	--	--
MW057SA	5/9/2017	REG	--	--	--	--	--
MW057SA	9/20/2017	REG	--	--	--	--	--
MW057SA	3/22/2018	REG	--	--	--	--	--
MW057SA	9/12/2018	REG	--	--	--	--	--
MW057SA	4/15/2019	REG	--	--	--	--	--
MW057SA	10/9/2019	REG	--	--	--	--	--
MW058	5/11/2017	REG	--	--	--	--	--
MW058	5/11/2017	FD	--	--	--	--	--
MW058	3/29/2018	REG	--	--	--	--	--
MW058	4/12/2019	REG	--	--	--	--	--
MW058	4/12/2019	FD	--	--	--	--	--
MW059	5/11/2017	REG	--	--	--	--	--
MW059	9/21/2017	REG	--	--	--	--	--
MW059	3/29/2018	REG	--	--	--	--	--
MW059	9/13/2018	REG	--	--	--	--	--
MW059	4/15/2019	REG	--	--	--	--	--
MW059	10/8/2019	REG	--	--	--	--	--
MW059	10/8/2019	FD	--	--	--	--	--
MW060	9/22/2017	REG	--	--	--	--	--
MW060	3/29/2018	REG	--	--	--	--	--
MW060	9/13/2018	REG	--	--	--	--	--
MW060	4/16/2019	REG	--	--	--	--	--
MW060	10/9/2019	REG	--	--	--	--	--
MW061	5/11/2017	REG	--	--	--	--	--
MW061	9/22/2017	REG	--	--	--	--	--
MW061	4/3/2018	REG	--	--	--	--	--

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GROUNDWATER ANALYTICAL RESULTS
UBU3250 EUNICE NORTH GAS PLANT

Parameter Name			Benzene	Toluene	Ethylbenzene	Xylene (total)	Petroleum Hydrocarbons (C6-C10)-GRO
Report Units			mg/L	mg/L	mg/L	mg/L	mg/L
Location ID	Date Sampled	Sample Purpose					
NMWQCC Domestic			0.005 mg/L	1 mg/L	0.7 mg/L	0.62 mg/L	--
MW061	4/3/2018	FD	--	--	--	--	--
MW061	9/13/2018	REG	--	--	--	--	--
MW061	4/16/2019	REG	--	--	--	--	--
MW061	10/9/2019	REG	--	--	--	--	--
MW062A	5/11/2017	REG	--	--	--	--	--
MW062A	5/11/2017	FD	--	--	--	--	--
MW062A	9/21/2017	REG	--	--	--	--	--
MW062A	3/29/2018	REG	--	--	--	--	--
MW062A	9/12/2018	REG	--	--	--	--	--
MW062A	4/12/2019	REG	--	--	--	--	--
MW062A	10/8/2019	REG	--	--	--	--	--
MW063A	5/11/2017	REG	--	--	--	--	--
MW063A	9/21/2017	REG	--	--	--	--	--
MW063A	3/29/2018	REG	--	--	--	--	--
MW063A	9/12/2018	REG	--	--	--	--	--
MW063A	4/12/2019	REG	--	--	--	--	--
MW063A	10/8/2019	REG	--	--	--	--	--
MW065SA	5/9/2017	REG	--	--	--	--	--
MW065SA	5/9/2017	FD	--	--	--	--	--
MW065SA	4/5/2018	REG	--	--	--	--	--
MW065SA	4/11/2019	REG	--	--	--	--	--
MW066SA	5/9/2017	REG	--	--	--	--	--
MW066SA	9/20/2017	REG	--	--	--	--	--
MW066SA	3/22/2018	REG	--	--	--	--	--
MW066SA	9/12/2018	REG	--	--	--	--	--
MW066SA	4/11/2019	REG	--	--	--	--	--
MW066SA	10/8/2019	REG	--	--	--	--	--
MW067SA	5/8/2017	REG	--	--	--	--	--
MW067SA	9/20/2017	REG	--	--	--	--	--
MW067SA	9/20/2017	FD	--	--	--	--	--
MW068	5/11/2017	REG	--	--	--	--	--
MW068	9/22/2017	REG	--	--	--	--	--
MW068	4/3/2018	REG	--	--	--	--	--
MW068	9/13/2018	REG	--	--	--	--	--
MW068	4/15/2019	REG	--	--	--	--	--
MW068	10/9/2019	REG	--	--	--	--	--
MW069	5/11/2017	REG	--	--	--	--	--
MW069	9/21/2017	REG	--	--	--	--	--
MW069	3/29/2018	REG	--	--	--	--	--
MW069	9/13/2018	REG	--	--	--	--	--
MW069	4/15/2019	REG	--	--	--	--	--
MW069	10/9/2019	REG	--	--	--	--	--

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GROUNDWATER ANALYTICAL RESULTS
UBU3250 EUNICE NORTH GAS PLANT

Parameter Name			Benzene	Toluene	Ethylbenzene	Xylene (total)	Petroleum Hydrocarbons (C6-C10)-GRO
Report Units			mg/L	mg/L	mg/L	mg/L	mg/L
Location ID	Date Sampled	Sample Purpose					
NMWQCC Domestic			0.005 mg/L	1 mg/L	0.7 mg/L	0.62 mg/L	--
MW070	5/11/2017	REG	--	--	--	--	--
MW070	9/21/2017	REG	--	--	--	--	--
MW070	3/29/2018	REG	--	--	--	--	--
MW070	3/29/2018	FD	--	--	--	--	--
MW070	9/12/2018	REG	--	--	--	--	--
MW070	4/12/2019	REG	--	--	--	--	--
MW070	10/8/2019	REG	--	--	--	--	--
MW071SA	5/9/2017	REG	--	--	--	--	--
MW071SA	9/20/2017	REG	--	--	--	--	--
MW071SA	3/22/2018	REG	--	--	--	--	--
MW071SA	9/12/2018	REG	--	--	--	--	--
MW071SA	4/11/2019	REG	--	--	--	--	--
MW071SA	10/8/2019	REG	--	--	--	--	--
MW071SA	10/8/2019	FD	--	--	--	--	--
MW072SA	5/9/2017	REG	--	--	--	--	--
MW072SA	9/20/2017	REG	--	--	--	--	--
MW072SA	3/22/2018	REG	--	--	--	--	--
MW072SA	9/12/2018	REG	--	--	--	--	--
MW072SA	4/11/2019	REG	--	--	--	--	--
MW072SA	10/9/2019	REG	--	--	--	--	--
MW073SA	5/9/2017	REG	--	--	--	--	--
MW073SA	9/20/2017	REG	--	--	--	--	--
MW073SA	3/22/2018	REG	--	--	--	--	--
MW073SA	9/12/2018	REG	--	--	--	--	--
MW073SA	4/11/2019	REG	--	--	--	--	--
MW073SA	10/9/2019	REG	--	--	--	--	--
MW074SA	5/9/2017	REG	--	--	--	--	--
MW074SA	9/20/2017	REG	--	--	--	--	--
MW074SA	3/22/2018	REG	--	--	--	--	--
MW074SA	9/12/2018	REG	--	--	--	--	--
MW074SA	4/12/2019	REG	--	--	--	--	--
MW074SA	10/8/2019	REG	--	--	--	--	--
MW075SA	5/8/2017	REG	--	--	--	--	--
MW075SA	9/20/2017	REG	--	--	--	--	--
MW075SA	3/22/2018	REG	--	--	--	--	--
MW075SA	9/11/2018	REG	--	--	--	--	--
MW075SA	4/11/2019	REG	--	--	--	--	--
MW075SA	10/8/2019	REG	--	--	--	--	--
MW075SA	10/8/2019	FD	--	--	--	--	--
MW076SA	5/8/2017	REG	--	--	--	--	--
MW076SA	9/20/2017	REG	--	--	--	--	--
MW076SA	3/22/2018	REG	--	--	--	--	--

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GROUNDWATER ANALYTICAL RESULTS
UBU3250 EUNICE NORTH GAS PLANT

Parameter Name			Benzene	Toluene	Ethylbenzene	Xylene (total)	Petroleum Hydrocarbons (C6-C10)-GRO
Report Units			mg/L	mg/L	mg/L	mg/L	mg/L
Location ID	Date Sampled	Sample Purpose					
NMWQCC Domestic			0.005 mg/L	1 mg/L	0.7 mg/L	0.62 mg/L	--
MW076SA	9/11/2018	REG	--	--	--	--	--
MW076SA	4/11/2019	REG	--	--	--	--	--
MW076SA	10/8/2019	REG	--	--	--	--	--
MW079SA	5/8/2017	REG	--	--	--	--	--
MW079SA	9/20/2017	REG	--	--	--	--	--
MW079SA	3/23/2018	REG	--	--	--	--	--
MW079SA	9/12/2018	REG	--	--	--	--	--
MW079SA	9/12/2018	FD	--	--	--	--	--
MW079SA	4/15/2019	REG	--	--	--	--	--
MW079SA	10/9/2019	REG	--	--	--	--	--
MW083SA	5/8/2017	REG	--	--	--	--	--
MW084SA	5/8/2017	REG	--	--	--	--	--
MW084SA	9/20/2017	REG	--	--	--	--	--
MW084SA	3/22/2018	REG	--	--	--	--	--
MW084SA	9/11/2018	REG	--	--	--	--	--
MW084SA	4/11/2019	REG	--	--	--	--	--
MW084SA	10/8/2019	REG	--	--	--	--	--
MW085SA	5/8/2017	REG	--	--	--	--	--
MW085SA	9/20/2017	REG	--	--	--	--	--
MW085SA	3/22/2018	REG	--	--	--	--	--
MW085SA	9/11/2018	REG	--	--	--	--	--
MW085SA	4/11/2019	REG	--	--	--	--	--
MW085SA	10/8/2019	REG	--	--	--	--	--
MW086SA	5/9/2017	REG	--	--	--	--	--
MW086SA	9/20/2017	REG	--	--	--	--	--
MW086SA	3/22/2018	REG	--	--	--	--	--
MW086SA	9/11/2018	REG	--	--	--	--	--
MW086SA	4/11/2019	REG	--	--	--	--	--
MW086SA	10/8/2019	REG	--	--	--	--	--
MW087A	5/4/2017	REG	--	--	--	--	--
MW087A	4/4/2018	REG	--	--	--	--	--
MW087A	4/17/2019	REG	--	--	--	--	--
MW088M	5/5/2017	REG	--	--	--	--	--
MW088M	9/22/2017	REG	--	--	--	--	--
MW088M	4/4/2018	REG	--	--	--	--	--
MW088M	9/13/2018	REG	--	--	--	--	--
MW088M	4/17/2019	REG	--	--	--	--	--
MW088M	10/10/2019	REG	--	--	--	--	--
MW089SA	5/4/2017	REG	--	--	--	--	--
MW089SA	9/22/2017	REG	--	--	--	--	--
MW089SA	4/4/2018	REG	--	--	--	--	--
MW089SA	9/14/2018	REG	--	--	--	--	--

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GROUNDWATER ANALYTICAL RESULTS
UBU3250 EUNICE NORTH GAS PLANT

Parameter Name			Benzene	Toluene	Ethylbenzene	Xylene (total)	Petroleum Hydrocarbons (C6-C10)-GRO
Report Units			mg/L	mg/L	mg/L	mg/L	mg/L
Location ID	Date Sampled	Sample Purpose					
NMWQCC Domestic			0.005 mg/L	1 mg/L	0.7 mg/L	0.62 mg/L	--
MW089SA	4/17/2019	REG	--	--	--	--	--
MW089SA	10/11/2019	REG	--	--	--	--	--
MW090	5/4/2017	FD	--	--	--	--	--
MW090SA	5/4/2017	REG	--	--	--	--	--
MW090SA	4/4/2018	REG	--	--	--	--	--
MW090SA	4/17/2019	REG	--	--	--	--	--
MW091SA	5/5/2017	REG	--	--	--	--	--
MW093SA	9/22/2017	REG	--	--	--	--	--
MW093SA	3/29/2018	REG	--	--	--	--	--
MW093SA	9/14/2018	REG	--	--	--	--	--
MW093SA	4/16/2019	REG	--	--	--	--	--
MW093SA	10/10/2019	REG	--	--	--	--	--
MW093SA	10/10/2019	FD	--	--	--	--	--
MW094	5/11/2017	REG	--	--	--	--	--
MW094	4/3/2018	REG	--	--	--	--	--
MW094	4/16/2019	REG	--	--	--	--	--
MW095	5/11/2017	REG	--	--	--	--	--
MW095	3/29/2018	REG	--	--	--	--	--
MW095	9/13/2018	REG	--	--	--	--	--
MW095	4/16/2019	REG	--	--	--	--	--
MW095	4/16/2019	FD	--	--	--	--	--
MW095	10/9/2019	REG	--	--	--	--	--
MW095	10/9/2019	FD	--	--	--	--	--
MW096P	5/4/2017	REG	--	--	--	--	--
MW097P	5/4/2017	REG	--	--	--	--	--
MW097P	4/4/2018	REG	--	--	--	--	--
MW097P	4/16/2019	REG	--	--	--	--	--
MW099	5/11/2017	REG	--	--	--	--	--
MW099	9/21/2017	REG	--	--	--	--	--
MW099	3/29/2018	REG	--	--	--	--	--
MW099	3/29/2018	FD	--	--	--	--	--
MW099	9/13/2018	REG	--	--	--	--	--
MW099	4/12/2019	REG	--	--	--	--	--
MW099	10/9/2019	REG	--	--	--	--	--
MW100	5/9/2017	REG	--	--	--	--	--
MW100	5/9/2017	FD	--	--	--	--	--
MW100	9/20/2017	REG	--	--	--	--	--
MW100	9/20/2017	FD	--	--	--	--	--
MW100	3/22/2018	REG	--	--	--	--	--
MW100	9/11/2018	REG	--	--	--	--	--
MW100	9/11/2018	FD	--	--	--	--	--
MW100	4/11/2019	REG	--	--	--	--	--

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GROUNDWATER ANALYTICAL RESULTS
UBU3250 EUNICE NORTH GAS PLANT

Parameter Name			Benzene	Toluene	Ethylbenzene	Xylene (total)	Petroleum Hydrocarbons (C6-C10)-GRO
Report Units			mg/L	mg/L	mg/L	mg/L	mg/L
Location ID	Date Sampled	Sample Purpose					
NMWQCC Domestic			0.005 mg/L	1 mg/L	0.7 mg/L	0.62 mg/L	--
MW100	4/11/2019	FD	--	--	--	--	--
MW100	10/8/2019	REG	--	--	--	--	--
MW70A	5/11/2017	REG	--	--	--	--	--
RW003	5/5/2017	REG	--	--	--	--	--
RW004A	5/4/2017	REG	--	--	--	--	--
Teague	5/11/2017	REG	--	--	--	--	--
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	--	--	--	--	--

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GROUNDWATER ANALYTICAL RESULTS
UBU3250 EUNICE NORTH GAS PLANT

Parameter Name			C10-C28 Petroleum Hydrocarbons, Diesel	Chloride	Total Dissolved Solids (TDS)
Report Units			mg/L	mg/L	mg/L
Location ID	Date Sampled	Sample Purpose			
NMWQCC Domestic			--	250 mg/L	1000 mg/L
IW001	5/5/2017	REG	--	1,030	4,350
IW002	5/5/2017	REG	--	526	2,960
IW003	5/8/2017	REG	--	1,090	2,600
IW003	3/22/2018	REG	--	999	2,200
IW003	4/15/2019	REG	--	1,130	2,410
IW004	5/8/2017	REG	--	1,000	2,620
IW005	5/8/2017	REG	--	822	2,400
IW006	5/8/2017	REG	--	741	2,150
IW007	5/8/2017	REG	--	893	2,570
IW008	5/8/2017	REG	--	608	1,900
IW008	5/8/2017	FD	--	584	1,710
IW008	3/22/2018	REG	--	707	2,060
IW008	4/12/2019	REG	--	875	2,160
IW010	5/8/2017	REG	--	913	3,080
IW010	3/22/2018	REG	--	906	2,940
IW010	4/12/2019	REG	--	2,280	3,120
IW011	5/8/2017	REG	--	993	2,780
IW012	5/8/2017	REG	--	952	3,320
IW013	5/8/2017	REG	--	2,180	5,430
IW014	5/8/2017	REG	--	1,400	3,380
IW015	5/8/2017	REG	--	948	2,460
IW016	5/8/2017	REG	--	328	1,270
IW019	5/5/2017	REG	< 1.50 U	1,070	2,540
IW019	9/26/2017	REG	< 1.50 U	1,000	4,380
IW019	4/4/2018	REG	< 1.50 U	1,070	3,190
IW019	9/11/2018	REG	< 1.50 U	1,060	3,270
IW019	4/16/2019	REG	< 1.50 U	1,130 J	3,310
IW019	4/16/2019	FD	< 1.50 U	361 J	3,190
IW019	10/10/2019	REG	< 2.12 U	1,120	3,770
IW021	5/5/2017	REG	--	855	3,740
IW022	5/5/2017	REG	--	739	3,070
IW023	5/5/2017	REG	--	729	2,900
IW023	9/22/2017	REG	--	631	2,990
IW023	3/29/2018	REG	--	644	2,760
IW023	9/14/2018	REG	--	645	2,790
IW023	9/14/2018	FD	--	638	2,880
IW023	4/16/2019	REG	--	765 J	2,790
IW023	10/10/2019	REG	--	33.3	3,040
IW024	5/4/2017	REG	--	871	3,960
IW024	4/4/2018	REG	--	920	3,450
IW024	4/16/2019	REG	--	817	4,350
IW025	5/4/2017	REG	--	832	3,750

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GROUNDWATER ANALYTICAL RESULTS
UBU3250 EUNICE NORTH GAS PLANT

Parameter Name			C10-C28 Petroleum Hydrocarbons, Diesel	Chloride	Total Dissolved Solids (TDS)
Report Units			mg/L	mg/L	mg/L
Location ID	Date Sampled	Sample Purpose			
NMWQCC Domestic			--	250 mg/L	1000 mg/L
IW026	5/4/2017	REG	--	698	3,140
IW027	5/4/2017	REG	--	430	2,320
IW028	5/4/2017	REG	--	702	2,740
IW029P	5/11/2017	REG	< 1.50 U	1,100	5,550
IW029P	5/11/2017	FD	< 1.50 U	1,080	5,440
LordWW	5/11/2017	REG	--	1,490	2,730
MW001	5/10/2017	REG	< 1.50 U	408	2,500
MW001	5/10/2017	FD	< 1.50 U	475	2,580
MW001	9/26/2017	REG	< 1.50 U	482	2,810
MW001	4/4/2018	REG	< 1.50 U	292	2,350
MW001	9/11/2018	REG	< 1.50 U	275	2,610
MW001	4/17/2019	REG	< 1.50 U	451	2,570
MW001	10/10/2019	REG	< 2.14 U	498	2,680
MW002	5/9/2017	REG	< 1.50 U	845	2,750
MW002A	5/9/2017	REG	--	1,400	3,510
MW002A	9/22/2017	REG	--	1,310	3,550
MW002A	4/4/2018	REG	--	1,620	3,010
MW002A	9/14/2018	REG	--	1,610	3,330
MW002A	4/17/2019	REG	--	1,430	3,420
MW002A	10/10/2019	REG	--	1,630	3,410
MW002A	10/10/2019	FD	--	1,390	3,430
MW003	5/4/2017	REG	--	64.1	784
MW004	5/5/2017	REG	< 1.50 U	672 J	2,880
MW004	5/5/2017	FD	< 1.50 U	1,120 J	3,550
MW004A	5/5/2017	REG	--	643	2,420
MW004A	9/22/2017	REG	--	579	2,640
MW004A	4/4/2018	REG	< 1.50 U	628	2,110
MW004A	9/14/2018	REG	--	632	2,230
MW004A	4/16/2019	REG	--	550	1,080
MW004A	10/11/2019	REG	--	635	2,230
MW007	5/4/2017	REG	--	43.2	1,040
MW007A	5/4/2017	REG	--	764	2,950
MW007A	9/22/2017	REG	--	662	3,290
MW007A	4/4/2018	REG	--	815	3,060
MW007A	9/14/2018	REG	--	801	3,040
MW007A	4/17/2019	REG	--	792	3,350
MW007A	10/11/2019	REG	--	843	2,980
MW008	5/4/2017	REG	--	824	3,420
MW008A	5/4/2017	REG	--	771	2,740
MW008M	5/4/2017	REG	--	1,390	4,730
MW008M	9/22/2017	REG	--	1,250	4,930
MW008M	4/4/2018	REG	--	1,470	4,580

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GROUNDWATER ANALYTICAL RESULTS
UBU3250 EUNICE NORTH GAS PLANT

Parameter Name			C10-C28 Petroleum Hydrocarbons, Diesel	Chloride	Total Dissolved Solids (TDS)
Report Units			mg/L	mg/L	mg/L
Location ID	Date Sampled	Sample Purpose			
NMWQCC Domestic			--	250 mg/L	1000 mg/L
MW008M	4/4/2018	FD	--	1,490	3,820
MW008M	9/14/2018	REG	--	1,350	4,600
MW008M	4/17/2019	REG	--	1,350	5,040
MW008M	10/10/2019	REG	--	1,530	4,680
MW009	5/4/2017	REG	--	120	1,010
MW009A	5/4/2017	REG	--	447	1,780
MW010	5/9/2017	REG	--	2,730	6,960
MW010	9/21/2017	REG	--	2,360	5,620
MW010	4/2/2018	REG	--	2,920	4,910
MW010	9/13/2018	REG	--	2,550	4,990
MW010	4/16/2019	REG	--	2,380	4,160
MW010	10/10/2019	REG	--	2,450	5,330
MW010	10/10/2019	FD	--	2,520	5,300
MW011	5/5/2017	REG	--	1,580	4,630
MW011A	5/5/2017	REG	--	941	3,310
MW011A	9/22/2017	REG	--	785	3,530
MW011A	9/22/2017	FD	--	790	2,950
MW011A	4/4/2018	REG	--	729	2,090
MW011A	9/14/2018	REG	--	646	2,160
MW011A	9/14/2018	FD	--	576	2,080
MW011A	4/17/2019	REG	--	511	1,930
MW011A	10/10/2019	REG	--	433	1,800
MW011M	5/5/2017	REG	--	1,360	3,970
MW012	5/5/2017	REG	--	469	2,080
MW012A	5/5/2017	REG	--	85.4	528
MW012M	5/5/2017	REG	--	752	3,690
MW012M	4/4/2018	REG	--	800	3,140
MW012M	4/17/2019	REG	--	800	3,130
MW013	5/9/2017	REG	--	816	3,220
MW013	9/21/2017	REG	--	255	3,220
MW013	4/2/2018	REG	--	850	2,880
MW013	9/13/2018	REG	--	692	2,810
MW013	4/16/2019	REG	--	859	2,940
MW013	10/10/2019	REG	--	814	3,220
MW013A	5/11/2017	REG	--	84.5	506
MW015	5/11/2017	REG	--	476	1,700
MW015A	5/11/2017	REG	--	3,800	6,250
MW015A	9/22/2017	REG	--	361	1,940
MW015A	4/2/2018	REG	--	5,570	8,370
MW015A	4/2/2018	FD	--	5,430	8,500
MW015A	9/13/2018	REG	--	5,950	9,850
MW015A	4/16/2019	REG	--	4,250	6,120

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GROUNDWATER ANALYTICAL RESULTS
UBU3250 EUNICE NORTH GAS PLANT

Parameter Name			C10-C28 Petroleum Hydrocarbons, Diesel	Chloride	Total Dissolved Solids (TDS)
Report Units			mg/L	mg/L	mg/L
Location ID	Date Sampled	Sample Purpose			
NMWQCC Domestic			--	250 mg/L	1000 mg/L
MW015A	10/9/2019	REG	--	5,480	9,970
MW016A	9/14/2018	REG	--	513	1,290
MW018	5/10/2017	REG	--	210	1,120
MW018	9/21/2017	REG	--	241	1,290
MW018	4/2/2018	REG	--	660	1,900
MW018	4/2/2018	FD	--	601	2,020
MW018	9/13/2018	REG	--	528	2,210
MW018	4/16/2019	REG	--	455	1,600
MW018	10/9/2019	REG	--	502	1,650
MW019A	5/10/2017	REG	--	327	1,300
MW019A	9/21/2017	REG	--	262	1,250
MW019A	4/2/2018	REG	--	301	1,060
MW019A	9/13/2018	REG	--	291	1,170
MW019A	4/16/2019	REG	--	303	1,110
MW019A	10/9/2019	REG	--	346	1,200
MW020	5/11/2017	REG	--	733	2,180
MW020A	5/11/2017	REG	--	1,070	2,410
MW020A	9/21/2017	REG	--	1,010	2,700
MW020A	4/2/2018	REG	--	1,130	2,180
MW020A	9/13/2018	REG	--	961	2,370
MW020A	4/16/2019	REG	--	1,320	2,180
MW020A	4/16/2019	FD	--	1,060	2,140
MW020A	10/9/2019	REG	--	1,260	2,560
MW021A	5/10/2017	REG	--	2,530	5,210
MW021A	9/22/2017	REG	--	2,210	5,830
MW021A	4/3/2018	REG	--	2,640	4,240
MW021A	9/12/2018	REG	--	2,330	5,170
MW021A	4/12/2019	REG	--	1,020	5,150
MW021A	10/10/2019	REG	--	2,360	5,810
MW023	5/11/2017	REG	--	798	3,180
MW023	9/21/2017	REG	--	739	3,540
MW023	3/29/2018	REG	--	747	2,800
MW023	9/13/2018	REG	--	785	3,160
MW023	4/15/2019	REG	--	860	3,150
MW023	10/8/2019	REG	--	716	3,360
MW023A	5/11/2017	REG	--	49.9	594
MW024	5/11/2017	REG	< 1.50 U	875	1,720
MW024A	5/11/2017	REG	--	918	2,370
MW024A	9/21/2017	REG	--	790	2,620
MW024A	9/21/2017	FD	--	748	3,010
MW024A	3/29/2018	REG	--	884	2,360
MW024A	9/12/2018	REG	--	901	2,420

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GROUNDWATER ANALYTICAL RESULTS
UBU3250 EUNICE NORTH GAS PLANT

Parameter Name			C10-C28 Petroleum Hydrocarbons, Diesel	Chloride	Total Dissolved Solids (TDS)
Report Units			mg/L	mg/L	mg/L
Location ID	Date Sampled	Sample Purpose			
NMWQCC Domestic			--	250 mg/L	1000 mg/L
MW024A	9/12/2018	FD	--	894	2,310
MW024A	4/12/2019	REG	--	997	2,140
MW024A	10/8/2019	REG	--	790	2,470
MW026	9/22/2017	REG	--	108	890
MW026	4/5/2018	REG	--	229	1,180
MW026	9/13/2018	REG	--	129	860
MW026	4/16/2019	REG	--	104	696
MW026	10/11/2019	REG	--	105	741
MW027	5/11/2017	REG	--	365	1,680
MW027	9/22/2017	REG	--	351	1,760
MW027	4/3/2018	REG	--	366	1,480
MW027	9/13/2018	REG	--	355	1,600
MW027	4/16/2019	REG	--	367	1,550
MW027	10/9/2019	REG	--	358	1,610
MW030	5/11/2017	REG	--	249	588
MW030	9/21/2017	REG	--	202	778
MW030	3/29/2018	REG	--	241	662
MW030	9/13/2018	REG	--	245	726
MW030	4/12/2019	REG	--	220	694
MW030	10/8/2019	REG	--	190	715
MW030P	5/4/2017	REG	--	478	2,020
MW031	5/11/2017	REG	--	138	780
MW031	9/21/2017	REG	--	166	854
MW031	3/29/2018	REG	--	228	840
MW031	9/13/2018	REG	--	233	832
MW031	4/15/2019	REG	--	263	874
MW031	10/9/2019	REG	--	230	876
MW031	10/9/2019	FD	--	243	866
MW032	9/22/2017	REG	--	250	1,400
MW032	4/3/2018	REG	--	285	1,190
MW032	9/13/2018	REG	--	309	1,190
MW032	4/16/2019	REG	--	386	1,340 J
MW032	4/16/2019	FD	--	374	372 J
MW032	10/9/2019	REG	--	428	1,390
MW034	5/5/2017	REG	--	431	1,630
MW036	5/9/2017	REG	< 1.50 U	165	914
MW037	5/9/2017	REG	1.36 J	647	1,510
MW037	9/26/2017	REG	1.51	513	1,470
MW037	4/4/2018	REG	0.944 J	516	1,770
MW037	4/4/2018	FD	0.961 J	432	1,400
MW037	9/11/2018	REG	1.04 J	549	1,470
MW037	4/16/2019	REG	2.87	405	1,320

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GROUNDWATER ANALYTICAL RESULTS
UBU3250 EUNICE NORTH GAS PLANT

Parameter Name			C10-C28 Petroleum Hydrocarbons, Diesel	Chloride	Total Dissolved Solids (TDS)
Report Units			mg/L	mg/L	mg/L
Location ID	Date Sampled	Sample Purpose			
NMWQCC Domestic			--	250 mg/L	1000 mg/L
MW037	10/10/2019	REG	1.56 J	559	1,440
MW038	5/9/2017	REG	1.19 J	104	966
MW038	5/9/2017	FD	0.988 J	111	1,010
MW040A	5/9/2017	REG	--	53.7	574
MW040A	9/21/2017	REG	--	203	540
MW040A	4/2/2018	REG	--	50.3	504
MW040A	9/13/2018	REG	--	51.6	497
MW040A	4/16/2019	REG	--	56.4	481
MW040A	10/10/2019	REG	--	55.8	526
MW041A	5/5/2017	REG	--	408	1,630
MW041A	9/21/2017	REG	--	377	1,680
MW041A	3/29/2018	REG	--	390	1,520
MW041A	9/12/2018	REG	--	403	1,600
MW041A	4/16/2019	REG	--	461	1,530
MW041A	10/9/2019	REG	--	488	1,620
MW042A	5/9/2017	REG	< 1.50 U	2,470	5,270
MW043	5/9/2017	REG	< 1.50 U	712	556
MW043	9/26/2017	FD	< 1.50 U	679 J	1,780
MW043	9/26/2017	REG	< 1.50 U	530 J	1,650
MW043	4/3/2018	REG	< 1.50 U	724	1,960
MW043	9/11/2018	REG	< 1.50 U	610	1,620
MW043	9/11/2018	FD	< 1.50 U	641	1,670
MW043	4/15/2019	REG	< 1.50 U	843	1,840
MW043	10/10/2019	REG	< 2.16 U	862	2,000
MW044	5/9/2017	REG	< 1.50 U	492 J	2,620
MW044	4/4/2018	REG	< 1.50 U	346	1,430
MW045	5/9/2017	REG	< 1.50 U	79.8	1,450
MW045	9/26/2017	REG	0.997 J	76.7	1,430
MW045	4/5/2018	REG	< 1.50 U	69.3	1,120
MW045	4/5/2018	REG	< 1.50 U	70.2	1,370
MW045	4/5/2018	REG	< 1.50 U	69	1,370
MW045	9/11/2018	REG	< 1.50 U	72.1	1,350
MW045	4/17/2019	REG	< 1.50 U	76	1,460
MW045	4/17/2019	FD	< 1.50 U	77.3	1,400
MW045	10/10/2019	REG	< 2.20 U	79.7	1,330
MW046	5/9/2017	REG	1.38 J	175	1,200
MW046A	5/9/2017	REG	< 1.50 U	704	3,100
MW046A	9/26/2017	REG	< 1.50 U	639	3,040
MW046A	4/4/2018	REG	< 1.50 U	704	2,370
MW046A	9/11/2018	REG	< 1.50 U	704	2,980
MW046A	4/17/2019	REG	< 1.50 U	745	3,260
MW046A	10/10/2019	REG	< 2.16 U	719	3,080

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GROUNDWATER ANALYTICAL RESULTS
UBU3250 EUNICE NORTH GAS PLANT

Parameter Name			C10-C28 Petroleum Hydrocarbons, Diesel	Chloride	Total Dissolved Solids (TDS)
Report Units			mg/L	mg/L	mg/L
Location ID	Date Sampled	Sample Purpose			
NMWQCC Domestic			--	250 mg/L	1000 mg/L
MW047	5/10/2017	REG	--	498	2,440
MW047	9/22/2017	REG	--	446	2,550
MW047	4/4/2018	REG	--	388	2,050
MW047	9/14/2018	REG	--	276	1,950
MW047	4/17/2019	REG	--	272	968
MW047	10/11/2019	REG	--	486	2,650
MW048SA	5/5/2017	REG	--	647	2,220
MW048SA	5/5/2017	FD	--	674	2,360
MW048SA	9/20/2017	REG	--	667	2,370
MW048SA	3/23/2018	REG	--	643	2,110
MW048SA	9/12/2018	REG	--	583	1,960
MW048SA	4/16/2019	REG	--	607	1,860
MW048SA	10/9/2019	REG	--	631	2,900
MW049SA	5/5/2017	REG	--	1,560	3,700
MW049SA	9/20/2017	REG	--	1,640	3,880
MW049SA	3/23/2018	REG	--	1,530	3,880
MW049SA	9/12/2018	REG	--	1,300	2,960
MW049SA	4/16/2019	REG	--	1,320	2,530
MW049SA	10/9/2019	REG	--	1,210	2,800
MW050SA	5/10/2017	REG	--	1,260	3,560
MW050SA	9/21/2017	REG	--	533	3,960
MW050SA	4/3/2018	REG	--	1,470	3,480
MW050SA	4/3/2018	FD	--	1,440	3,500
MW050SA	9/12/2018	REG	--	1,510	3,580
MW050SA	4/15/2019	REG	--	1,420	3,500
MW050SA	10/9/2019	REG	--	1,450	3,800
MW051SA	5/10/2017	REG	--	1,210	3,390
MW051SA	9/20/2017	REG	--	1,120	3,620
MW051SA	4/3/2018	REG	--	1,360	3,320
MW051SA	9/12/2018	REG	--	1,120	3,300
MW051SA	4/15/2019	REG	--	1,220	3,160
MW051SA	10/10/2019	REG	--	1,050	3,330
MW052SA	5/10/2017	REG	--	1,450	3,150
MW052SA	9/20/2017	REG	--	1,630	3,720
MW052SA	3/23/2018	REG	--	1,360	3,020
MW052SA	9/12/2018	REG	--	1,400	3,020
MW052SA	4/16/2019	REG	--	1,590	3,060
MW052SA	10/9/2019	REG	--	1,470	3,040
MW054SA	5/10/2017	REG	--	826	1,990
MW054SA	9/20/2017	REG	--	866	2,190
MW054SA	9/20/2017	FD	--	863	2,380
MW054SA	3/23/2018	REG	--	777	2,200

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GROUNDWATER ANALYTICAL RESULTS
UBU3250 EUNICE NORTH GAS PLANT

Parameter Name			C10-C28 Petroleum Hydrocarbons, Diesel	Chloride	Total Dissolved Solids (TDS)
Report Units			mg/L	mg/L	mg/L
Location ID	Date Sampled	Sample Purpose			
NMWQCC Domestic			--	250 mg/L	1000 mg/L
MW054SA	9/12/2018	REG	--	800	1,970
MW054SA	9/12/2018	FD	--	801	1,970
MW054SA	4/16/2019	REG	--	951	1,910
MW054SA	10/9/2019	REG	--	913	1,940
MW055SA	5/9/2017	REG	--	613	1,800
MW055SA	9/20/2017	REG	--	650	1,920
MW055SA	3/22/2018	REG	--	620	1,650
MW055SA	9/12/2018	REG	--	622	1,660
MW055SA	4/12/2019	REG	--	653	1,700
MW055SA	10/8/2019	REG	--	574	1,810
MW056SA	5/9/2017	REG	--	1,180	3,800
MW056SA	9/20/2017	REG	--	1,240	3,970
MW056SA	4/3/2018	REG	--	1,260	3,560
MW056SA	9/12/2018	REG	--	1,130	3,380
MW056SA	4/17/2019	REG	--	1,120	3,650
MW056SA	10/9/2019	REG	--	1,190	3,220
MW057SA	5/9/2017	REG	--	272	1,210
MW057SA	9/20/2017	REG	--	324	1,480
MW057SA	3/22/2018	REG	--	302	1,470
MW057SA	9/12/2018	REG	--	346	1,450
MW057SA	4/15/2019	REG	--	357	1,500
MW057SA	10/9/2019	REG	--	387	1,500
MW058	5/11/2017	REG	--	995 J	3,530 J
MW058	5/11/2017	FD	--	627 J	1,670 J
MW058	3/29/2018	REG	--	1,230	3,980
MW058	4/12/2019	REG	--	1,150	4,180
MW058	4/12/2019	FD	--	1,040	3,900
MW059	5/11/2017	REG	--	951	3,670
MW059	9/21/2017	REG	--	810	3,820
MW059	3/29/2018	REG	--	925	3,610
MW059	9/13/2018	REG	--	904	3,070
MW059	4/15/2019	REG	--	891	2,950
MW059	10/8/2019	REG	--	640 J	3,530
MW059	10/8/2019	FD	--	885 J	3,400
MW060	9/22/2017	REG	--	1,370	3,950
MW060	3/29/2018	REG	--	1,750	3,600
MW060	9/13/2018	REG	--	1,560	3,470
MW060	4/16/2019	REG	--	1,670	3,390
MW060	10/9/2019	REG	--	1,490	3,480
MW061	5/11/2017	REG	--	883	3,840
MW061	9/22/2017	REG	--	927	4,900
MW061	4/3/2018	REG	--	1,030	3,600

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GROUNDWATER ANALYTICAL RESULTS
UBU3250 EUNICE NORTH GAS PLANT

Parameter Name			C10-C28 Petroleum Hydrocarbons, Diesel	Chloride	Total Dissolved Solids (TDS)
Report Units			mg/L	mg/L	mg/L
Location ID	Date Sampled	Sample Purpose			
NMWQCC Domestic			--	250 mg/L	1000 mg/L
MW061	4/3/2018	FD	--	1,140	3,660
MW061	9/13/2018	REG	--	1,060	3,830
MW061	4/16/2019	REG	--	1,180	3,980
MW061	10/9/2019	REG	--	1,040	4,300
MW062A	5/11/2017	REG	--	63	334
MW062A	5/11/2017	FD	--	62.8	418
MW062A	9/21/2017	REG	--	59	482
MW062A	3/29/2018	REG	--	55.8	471
MW062A	9/12/2018	REG	--	57.9	497
MW062A	4/12/2019	REG	--	62.9	474
MW062A	10/8/2019	REG	--	60.8	489
MW063A	5/11/2017	REG	--	67.8	414
MW063A	9/21/2017	REG	--	51.7	518
MW063A	3/29/2018	REG	--	49.2	444
MW063A	9/12/2018	REG	--	51.7	472
MW063A	4/12/2019	REG	--	58.5	459
MW063A	10/8/2019	REG	--	54.4	484
MW065SA	5/9/2017	REG	--	1,050	3,380
MW065SA	5/9/2017	FD	--	1,060	3,050
MW065SA	4/5/2018	REG	--	1,050	2,910
MW065SA	4/11/2019	REG	--	1,050	2,590
MW066SA	5/9/2017	REG	--	1,160	3,560
MW066SA	9/20/2017	REG	--	1,170	3,120
MW066SA	3/22/2018	REG	--	1,050	1,050
MW066SA	9/12/2018	REG	--	884	2,350
MW066SA	4/11/2019	REG	--	836	2,040
MW066SA	10/8/2019	REG	--	510	1,860
MW067SA	5/8/2017	REG	--	165	944
MW067SA	9/20/2017	REG	--	163	1,070
MW067SA	9/20/2017	FD	--	163	1,050
MW068	5/11/2017	REG	--	8,760	10,400
MW068	9/22/2017	REG	--	10,100	18,800
MW068	4/3/2018	REG	--	11,700	14,300
MW068	9/13/2018	REG	--	11,700	18,000
MW068	4/15/2019	REG	--	7,100	10,500
MW068	10/9/2019	REG	--	8,880	15,500
MW069	5/11/2017	REG	--	981	2,450
MW069	9/21/2017	REG	--	715	2,120
MW069	3/29/2018	REG	--	846	1,730
MW069	9/13/2018	REG	--	804	1,990
MW069	4/15/2019	REG	--	9,650	14,800
MW069	10/9/2019	REG	--	9,140	14,200

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GROUNDWATER ANALYTICAL RESULTS
UBU3250 EUNICE NORTH GAS PLANT

Parameter Name			C10-C28 Petroleum Hydrocarbons, Diesel	Chloride	Total Dissolved Solids (TDS)
Report Units			mg/L	mg/L	mg/L
Location ID	Date Sampled	Sample Purpose			
NMWQCC Domestic			--	250 mg/L	1000 mg/L
MW070	5/11/2017	REG	--	298	672
MW070	9/21/2017	REG	--	287	1,040
MW070	3/29/2018	REG	--	350	956
MW070	3/29/2018	FD	--	350	996
MW070	9/12/2018	REG	--	387	1,120
MW070	4/12/2019	REG	--	444	1,130
MW070	10/8/2019	REG	--	398	1,220
MW071SA	5/9/2017	REG	--	590	1,750
MW071SA	9/20/2017	REG	--	495	1,380
MW071SA	3/22/2018	REG	--	560	1,410
MW071SA	9/12/2018	REG	--	613	1,580
MW071SA	4/11/2019	REG	--	636	1,490
MW071SA	10/8/2019	REG	--	587	1,580
MW071SA	10/8/2019	FD	--	707	1,580
MW072SA	5/9/2017	REG	--	262	1,150
MW072SA	9/20/2017	REG	--	273	1,190
MW072SA	3/22/2018	REG	--	231	882
MW072SA	9/12/2018	REG	--	238	1,090
MW072SA	4/11/2019	REG	--	218	1,050
MW072SA	10/9/2019	REG	--	282	1,050
MW073SA	5/9/2017	REG	--	409	902
MW073SA	9/20/2017	REG	--	250	886
MW073SA	3/22/2018	REG	--	189	3,270
MW073SA	9/12/2018	REG	--	229	965
MW073SA	4/11/2019	REG	--	1,000	2,020
MW073SA	10/9/2019	REG	--	2,100	4,320
MW074SA	5/9/2017	REG	--	394	1,610
MW074SA	9/20/2017	REG	--	382	1,700
MW074SA	3/22/2018	REG	--	350	1,580
MW074SA	9/12/2018	REG	--	376	1,510
MW074SA	4/12/2019	REG	--	384	1,520
MW074SA	10/8/2019	REG	--	363	1,640
MW075SA	5/8/2017	REG	--	397	1,820
MW075SA	9/20/2017	REG	--	377	1,880
MW075SA	3/22/2018	REG	--	362	1,730
MW075SA	9/11/2018	REG	--	399	1,670
MW075SA	4/11/2019	REG	--	466	1,770
MW075SA	10/8/2019	REG	--	422	1,830
MW075SA	10/8/2019	FD	--	495	1,850
MW076SA	5/8/2017	REG	--	580	2,170
MW076SA	9/20/2017	REG	--	623	2,060
MW076SA	3/22/2018	REG	--	579	2,020

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GROUNDWATER ANALYTICAL RESULTS
UBU3250 EUNICE NORTH GAS PLANT

Parameter Name			C10-C28 Petroleum Hydrocarbons, Diesel	Chloride	Total Dissolved Solids (TDS)
Report Units			mg/L	mg/L	mg/L
Location ID	Date Sampled	Sample Purpose			
NMWQCC Domestic			--	250 mg/L	1000 mg/L
MW076SA	9/11/2018	REG	--	583	1,850
MW076SA	4/11/2019	REG	--	601	1,950
MW076SA	10/8/2019	REG	--	398	1,890
MW079SA	5/8/2017	REG	--	303	1,130
MW079SA	9/20/2017	REG	--	308	1,220
MW079SA	3/23/2018	REG	--	278	635
MW079SA	9/12/2018	REG	--	270	1,140
MW079SA	9/12/2018	FD	--	269	1,030
MW079SA	4/15/2019	REG	--	271	1,140
MW079SA	10/9/2019	REG	--	271	1,100
MW083SA	5/8/2017	REG	--	1,510	3,780
MW084SA	5/8/2017	REG	--	1,210	2,980
MW084SA	9/20/2017	REG	--	1,610	3,970
MW084SA	3/22/2018	REG	--	1,400	3,890
MW084SA	9/11/2018	REG	--	1,370	3,060
MW084SA	4/11/2019	REG	--	1,220	5,910
MW084SA	10/8/2019	REG	--	791	2,860
MW085SA	5/8/2017	REG	--	1,430	3,850
MW085SA	9/20/2017	REG	--	1,410	4,160
MW085SA	3/22/2018	REG	--	1,470	4,090
MW085SA	9/11/2018	REG	--	1,650	3,270
MW085SA	4/11/2019	REG	--	1,580	3,660
MW085SA	10/8/2019	REG	--	1,210	3,890
MW086SA	5/9/2017	REG	--	1,470	3,800
MW086SA	9/20/2017	REG	--	1,370	3,420
MW086SA	3/22/2018	REG	--	1,260	2,640
MW086SA	9/11/2018	REG	--	1,260	3,110
MW086SA	4/11/2019	REG	--	1,370	3,160
MW086SA	10/8/2019	REG	--	1,110	3,240
MW087A	5/4/2017	REG	--	1,210	3,550
MW087A	4/4/2018	REG	--	1,270	4,040
MW087A	4/17/2019	REG	--	1,190	3,840
MW088M	5/5/2017	REG	--	942	3,300
MW088M	9/22/2017	REG	--	820	3,100
MW088M	4/4/2018	REG	--	876	3,290
MW088M	9/13/2018	REG	--	1,760	3,200
MW088M	4/17/2019	REG	--	957	3,690
MW088M	10/10/2019	REG	--	980	3,620
MW089SA	5/4/2017	REG	--	948	3,160
MW089SA	9/22/2017	REG	--	905	4,240
MW089SA	4/4/2018	REG	--	1,020	3,730
MW089SA	9/14/2018	REG	--	1,040	3,780

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GROUNDWATER ANALYTICAL RESULTS
UBU3250 EUNICE NORTH GAS PLANT

Parameter Name			C10-C28 Petroleum Hydrocarbons, Diesel	Chloride	Total Dissolved Solids (TDS)
Report Units			mg/L	mg/L	mg/L
Location ID	Date Sampled	Sample Purpose			
NMWQCC Domestic			--	250 mg/L	1000 mg/L
MW089SA	4/17/2019	REG	--	934	4,260
MW089SA	10/11/2019	REG	--	929	3,770
MW090	5/4/2017	FD	--	374	2,320
MW090SA	5/4/2017	REG	--	471	2,460
MW090SA	4/4/2018	REG	--	520	2,280
MW090SA	4/17/2019	REG	--	520	2,210
MW091SA	5/5/2017	REG	--	780	3,340
MW093SA	9/22/2017	REG	--	857	3,880
MW093SA	3/29/2018	REG	--	982	3,000
MW093SA	9/14/2018	REG	--	914	3,440
MW093SA	4/16/2019	REG	--	984	3,220
MW093SA	10/10/2019	REG	--	18.2 J	3,500
MW093SA	10/10/2019	FD	--	885 J	3,390
MW094	5/11/2017	REG	--	873	4,000
MW094	4/3/2018	REG	--	960	3,390
MW094	4/16/2019	REG	--	1,070	3,860
MW095	5/11/2017	REG	--	1,650	6,570
MW095	3/29/2018	REG	--	1,520	4,020
MW095	9/13/2018	REG	--	1,380	3,650
MW095	4/16/2019	REG	--	1,500	3,760 J
MW095	4/16/2019	FD	--	1,410	5,320 J
MW095	10/9/2019	REG	--	1,280	3,440
MW095	10/9/2019	FD	--	1,260	3,740
MW096P	5/4/2017	REG	--	330	1,390
MW097P	5/4/2017	REG	--	1,010	3,760
MW097P	4/4/2018	REG	--	965	3,670
MW097P	4/16/2019	REG	--	1,010	3,480
MW099	5/11/2017	REG	--	74	336
MW099	9/21/2017	REG	--	66.9	496
MW099	3/29/2018	REG	--	64.8	429
MW099	3/29/2018	FD	--	67.2	447
MW099	9/13/2018	REG	--	64.6	496
MW099	4/12/2019	REG	--	72.8	453
MW099	10/9/2019	REG	--	67.1	486
MW100	5/9/2017	REG	--	690	1,780
MW100	5/9/2017	FD	--	632	1,700
MW100	9/20/2017	REG	--	667 J	1,640 J
MW100	9/20/2017	FD	--	216 J	760 J
MW100	3/22/2018	REG	--	743	2,200
MW100	9/11/2018	REG	--	789	1,640
MW100	9/11/2018	FD	--	865	1,730
MW100	4/11/2019	REG	--	948	1,900

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GROUNDWATER ANALYTICAL RESULTS
UBU3250 EUNICE NORTH GAS PLANT

Parameter Name			C10-C28 Petroleum Hydrocarbons, Diesel	Chloride	Total Dissolved Solids (TDS)
Report Units			mg/L	mg/L	mg/L
Location ID	Date Sampled	Sample Purpose			
NMWQCC Domestic			--	250 mg/L	1000 mg/L
MW100	4/11/2019	FD	--	976	1,970
MW100	10/8/2019	REG	--	899	2,210
MW70A	5/11/2017	REG	--	49.3	414
RW003	5/5/2017	REG	--	509	2,460
RW004A	5/4/2017	REG	--	573	3,310
Teague	5/11/2017	REG	--	1,170	2,830
Trip Blank	5/5/2017	TB	--	--	--
Trip Blank	5/9/2017	TB	--	--	--
Trip Blank	5/10/2017	TB	--	--	--
Trip Blank	5/11/2017	TB	--	--	--
WoodellWW	5/11/2017	REG	--	532	1,630

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APPENDIX G

Trend Analysis Summary

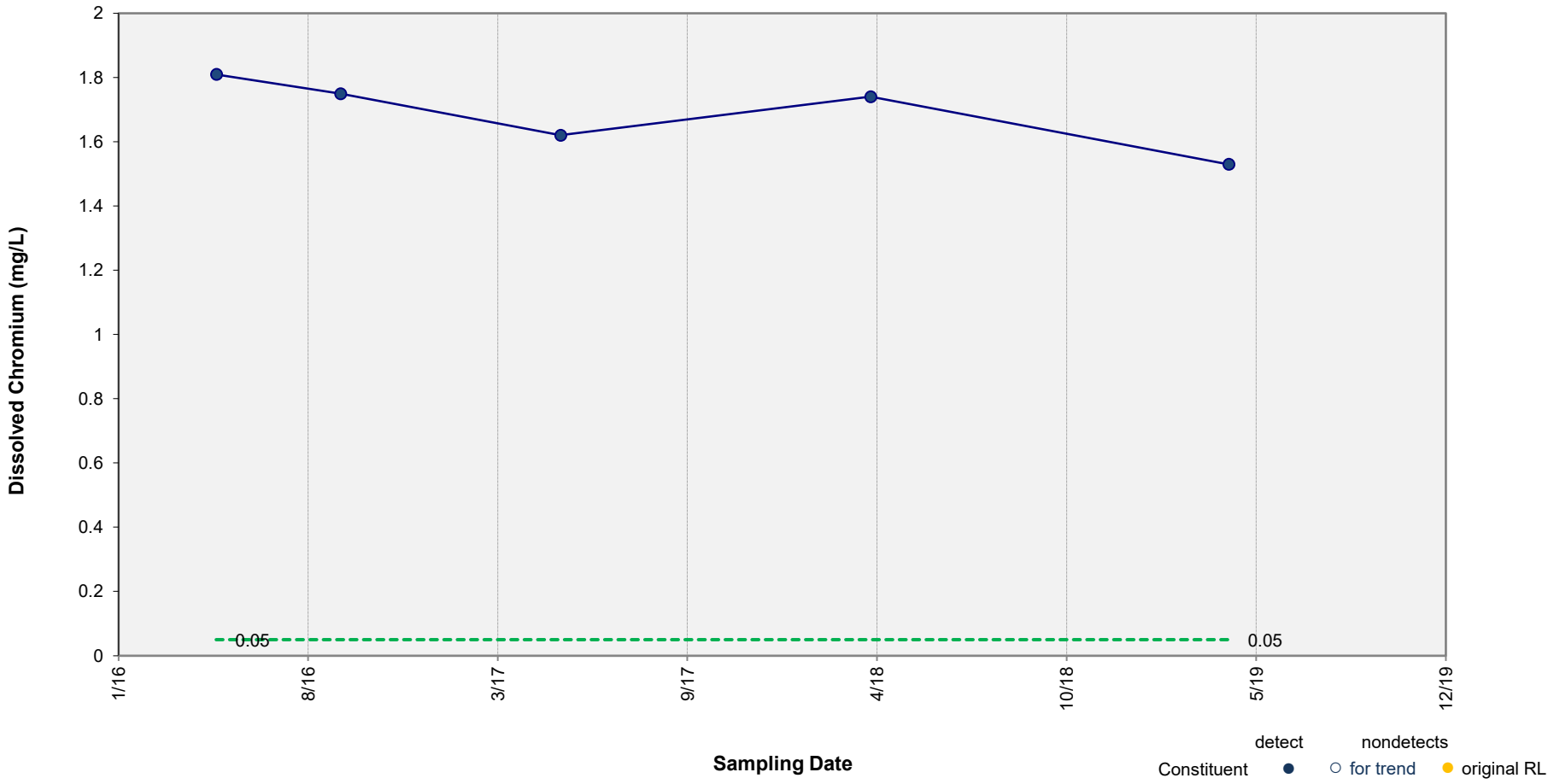
Table G-1 - 2019 Mann-Kendall Analysis Summary
Former Eunice North Gas Plant, New Mexico

Monitoring Well	Constituent	Criteria (mg/L)	Start Date	End Date	Summary Statistics							Mann-Kendall			
					n	% ND	Minimum Concentration (mg/L)	Maximum Concentration (mg/L)	Average Detected Concentration (mg/L)	Most Recent Concentration (mg/L)	CV	S-Statistic	p-value	Trend Determination	Significance
MW013	Chloride	250	5/16/2016	10/10/2019	8	0	255	936	748	814	0.28	-2	0.45	No trend	NS
	Dissolved Chromium	0.05			8	0	0.943	2.54	1.60	1.97	0.32	24	< 0.01	Increasing	Significant
MW041A	Chloride	250	5/16/2016	10/9/2019	7	0	377	488	423	488	0.09	7	0.19	Potentially increasing	NS
	Dissolved Chromium	0.05			7	0	0.189	0.210 J	0.200	0.193	0.04	0	0.56	Stable	NS
MW047	Chloride	250	5/20/2016	10/11/2019	7	0	272	498	408	486	0.24	-11	0.07	Decreasing	Significant
MW051SA	Chloride	250	5/18/2016	10/10/2019	7	0	1050	1,360	1,161	1,050	0.10	1	0.50	Stable	NS
	Dissolved Chromium (since 2017)	0.05	5/10/2017	10/10/2019	6	0	0.699	0.818	0.779	0.699	0.05	-11	0.03	Decreasing	Significant
MW058	Chloride	250	5/16/2016	4/12/2019	5	0	995	1,230	1,125	1,150	0.09	0	0.59	Stable	NS
	Dissolved Chromium	0.05			5	0	2.46	3.16	2.75	3.16	0.10	10	< 0.01	Increasing	Significant
MW069	Chloride	250	5/13/2016	10/9/2019	8	0	715	20,900	6,501	9,140	1.10	-4	0.36	Variable	NS
MW073SA	Chloride	250	5/17/2016	10/9/2019	8	0	189	2,100	583	2,100	1.15	6	0.27	Potentially increasing	NS
MW085SA	Chloride	250	5/17/2016	10/8/2019	8	0	1,210	1,650	1,429	1,210	0.10	10	0.14	Potentially increasing	NS
	Dissolved Chromium	0.05			8	0	0.0101	0.0559	0.0321	0.0497	0.45	18	0.02	Increasing	Significant
MW086SA	Chloride (since 2017)	250	5/9/2017	10/8/2019	6	0	1,110	1,470	1,307	1,110	0.10	-9	0.07	Decreasing	Significant
	Dissolved Chromium	0.05	5/18/2016	10/8/2019	8	0	0.0340	0.0762	0.0496	0.0762	0.26	0	0.55	Variable	NS
MW094	Chloride	250	5/13/2016	4/16/2019	5	0	873	1,130	1,019	1,070	0.10	-2	0.41	Stable	NS
	Dissolved Chromium	0.05			5	0	1.53	1.81	1.69	1.53	0.07	-8	0.04	Decreasing	Significant

Notes:
1. p-value <0.1 indicates a statistically significant trend (90% confidence level).

Acronyms:
% - percent
CV - coefficient of variation
mg/L - milligrams per liter
NS - not significant

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

p value = 0.042 Note: p value < 0.1 indicates a statistically significant trend (90% confidence level).

ARCADIS

Concentration vs. Time Plot - Dissolved Chromium in MW094

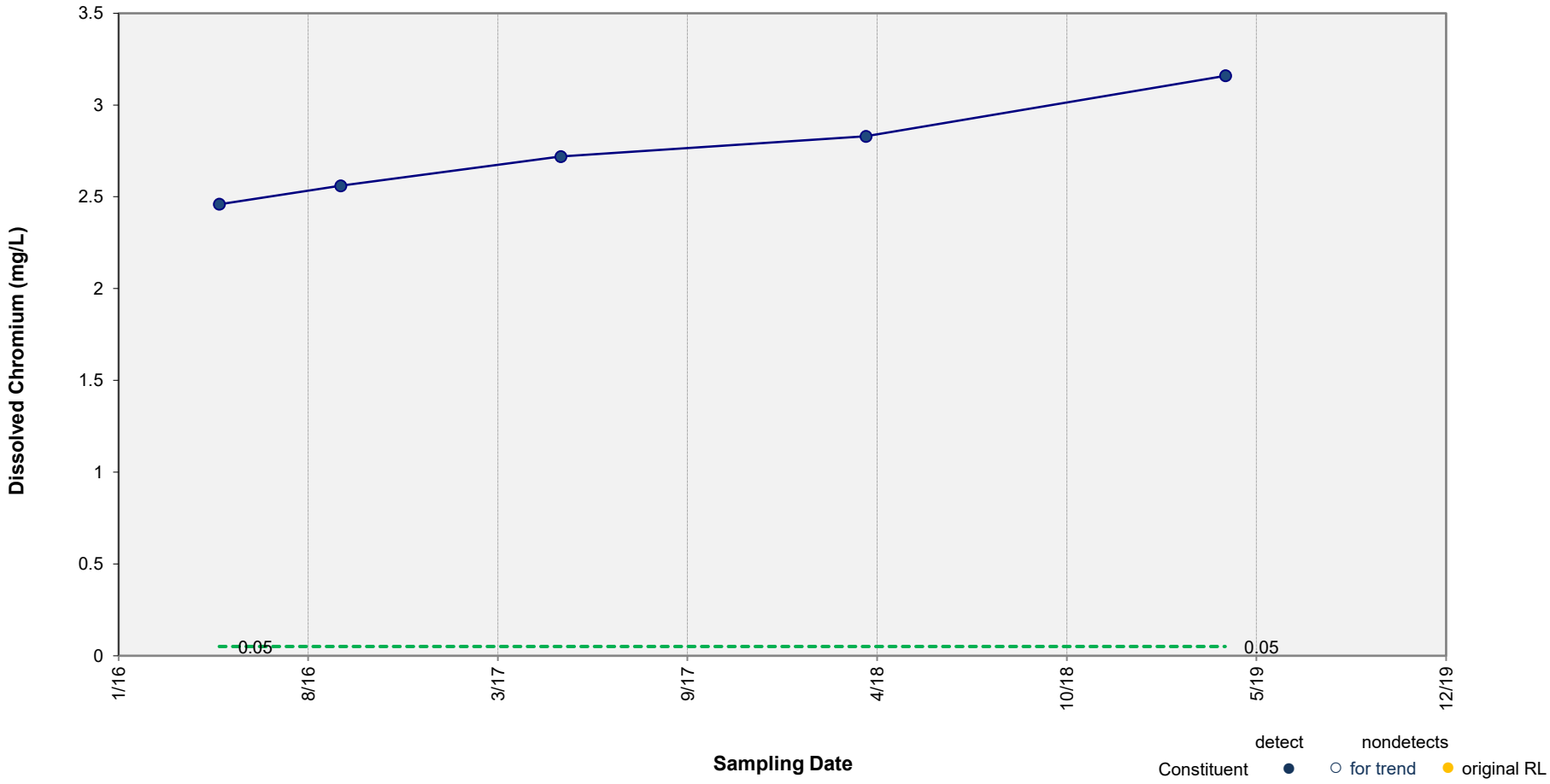
Eunice North, New Mexico

Figure G-1

MK Trends_MW094_Chromium_HS.xlsx

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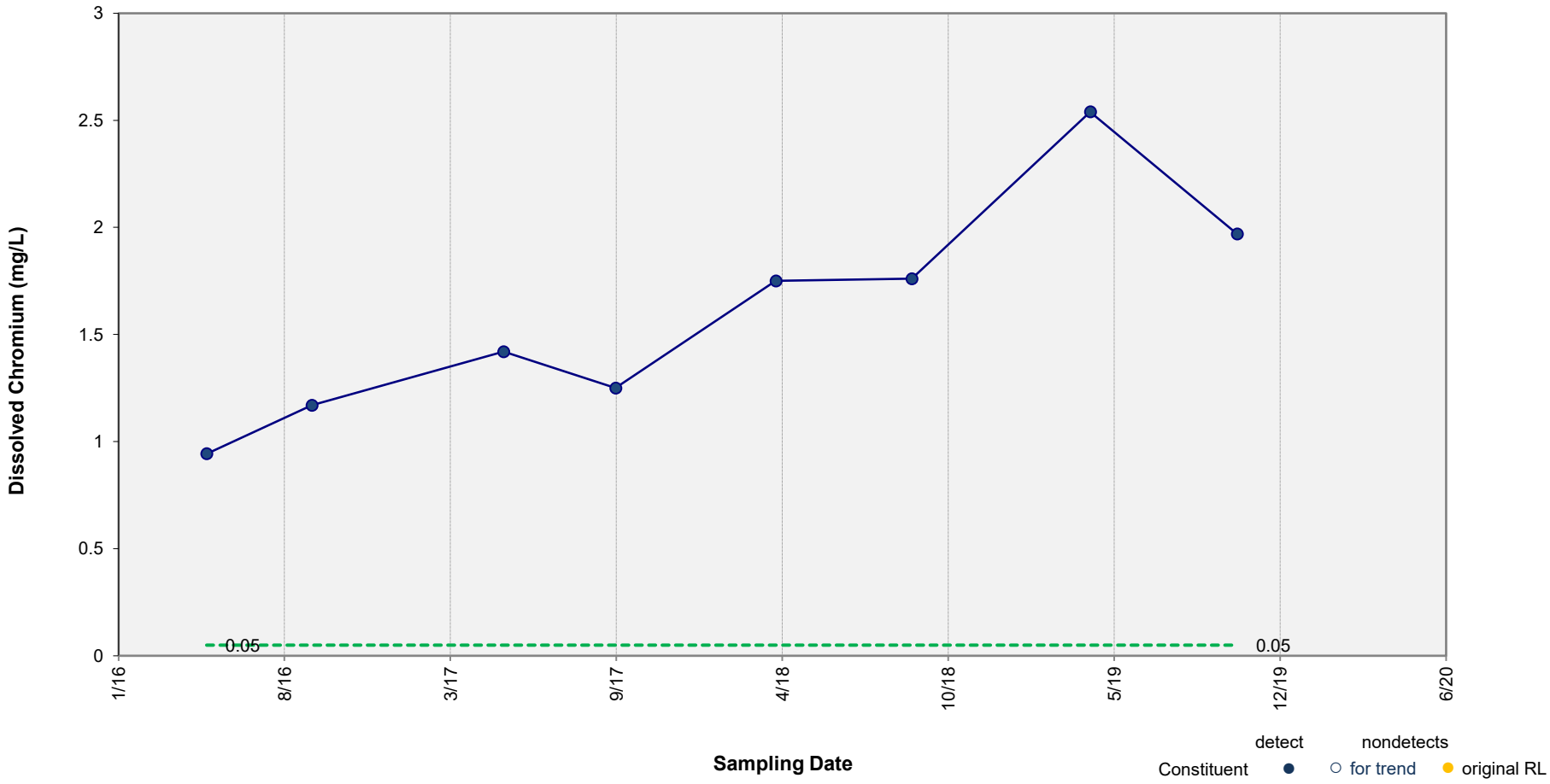
Results of Mann-Kendall Test for Trend: **INCREASING TREND**

p value = 0.008 Note: p value < 0.1 indicates a statistically significant trend (90% confidence level).

ARCADIS	**Concentration vs. Time Plot - Dissolved Chromium in MW058** Eunice North, New Mexico	**Figure G-2**

MK Trends_MW058_Chromium_HS.xlsx

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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

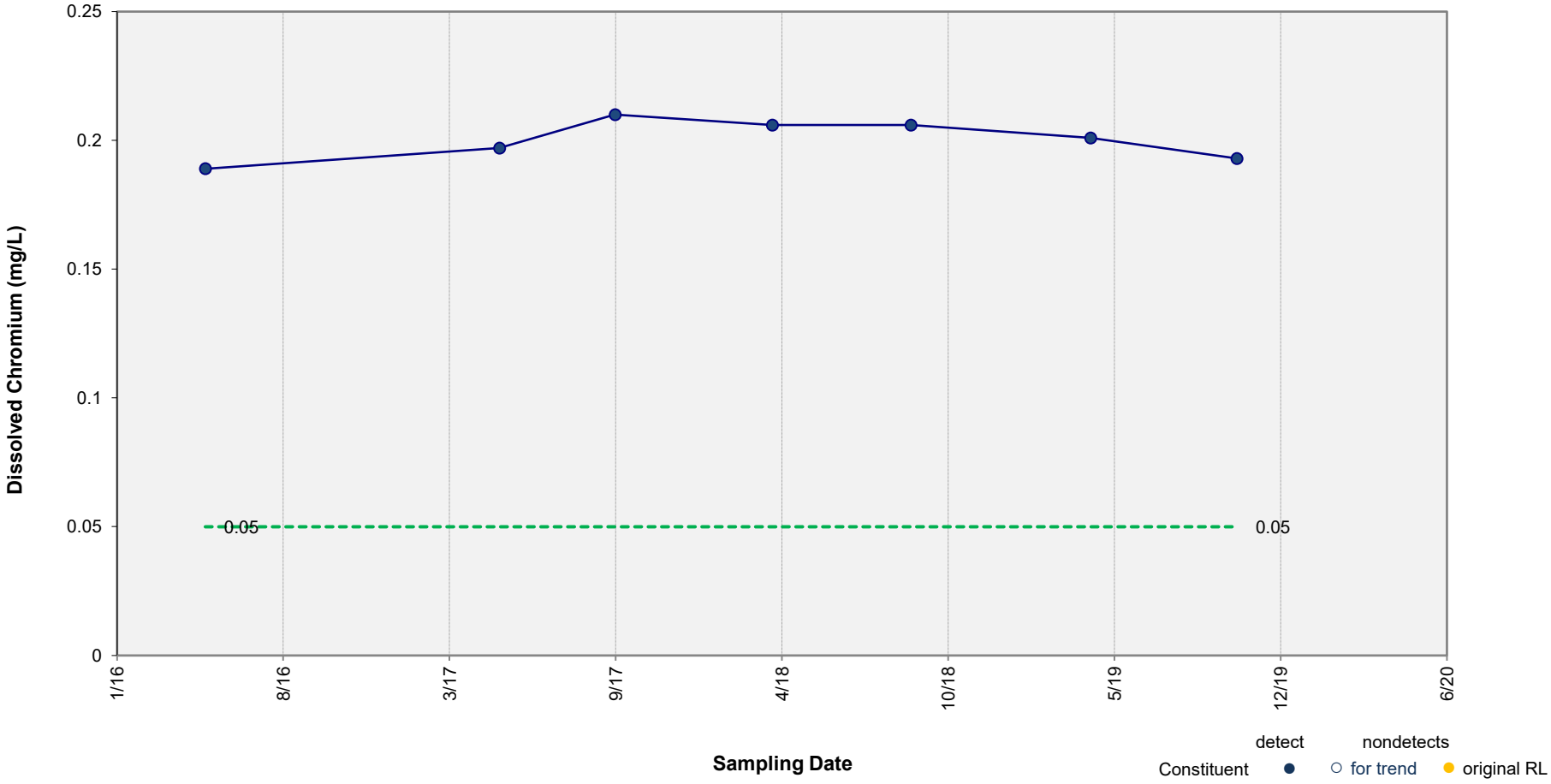
Concentration vs. Time Plot - Dissolved Chromium in MW013

Eunice North, New Mexico

Figure G-3

MK Trends_MW013_Chromium_HS.xlsx

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

p value = 0.563 Note: p value < 0.1 indicates a statistically significant trend (90% confidence level).

ARCADIS

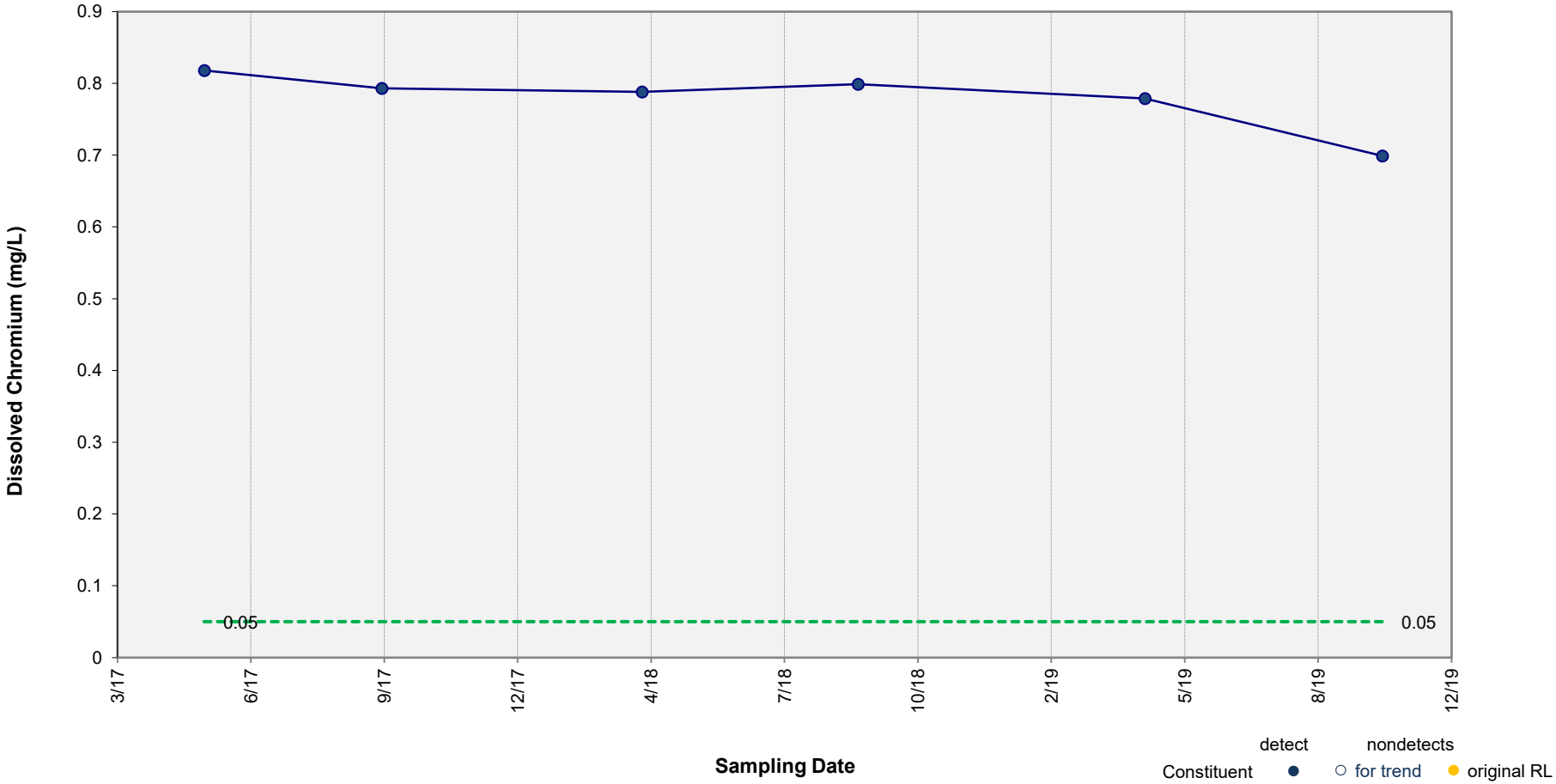
Concentration vs. Time Plot - Dissolved Chromium in MW041A

Eunice North, New Mexico

Figure G-4

MK Trends_MW041A_Chromium_HS.xlsx

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

p value = 0.028 Note: p value < 0.1 indicates a statistically significant trend (90% confidence level).

ARCADIS

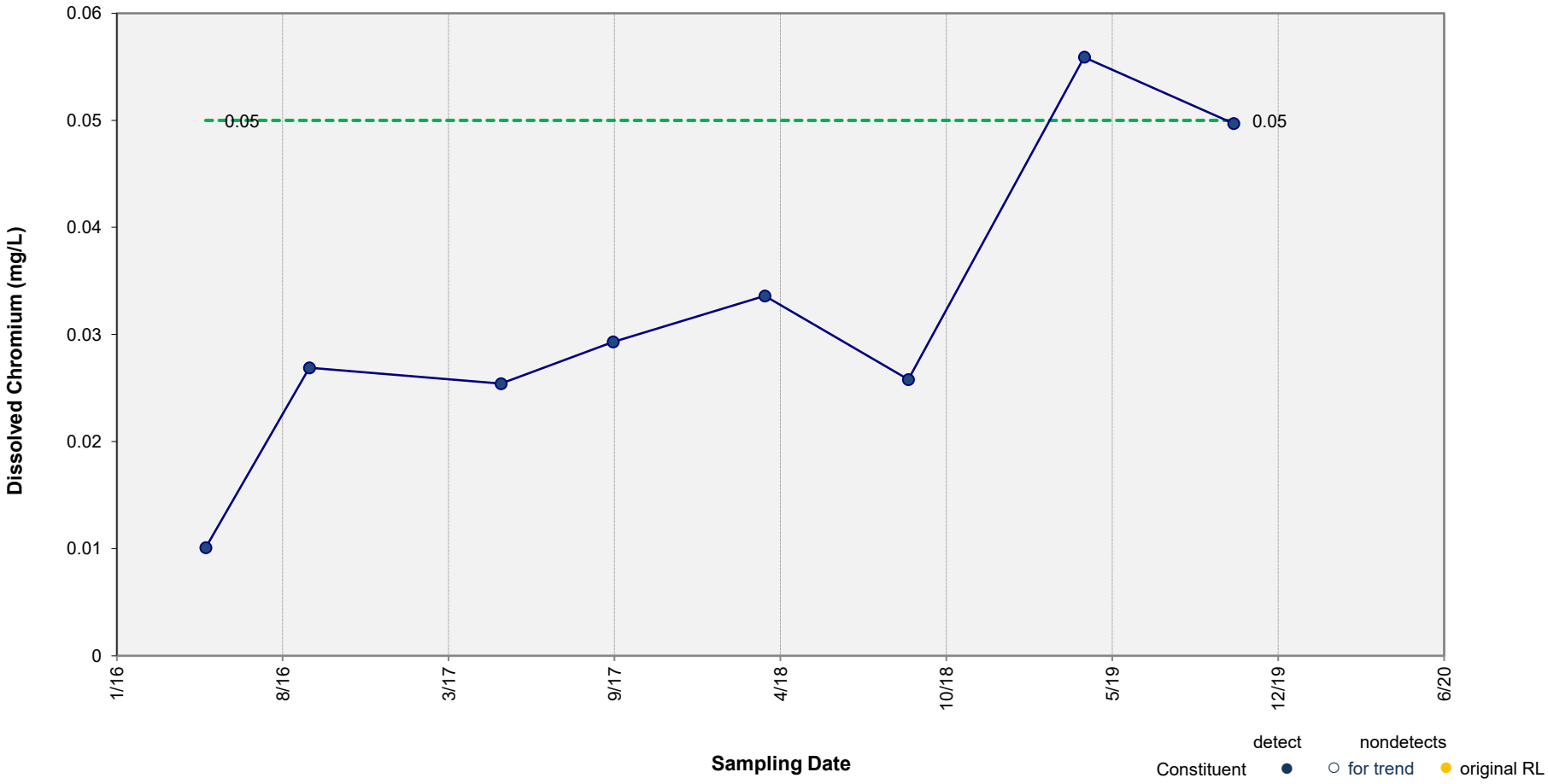
Concentration vs. Time Plot - Dissolved Chromium in MW051SA (since 2017)

Eunice North, New Mexico

Figure G-5

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

p value = 0.016 Note: p value < 0.1 indicates a statistically significant trend (90% confidence level).

ARCADIS

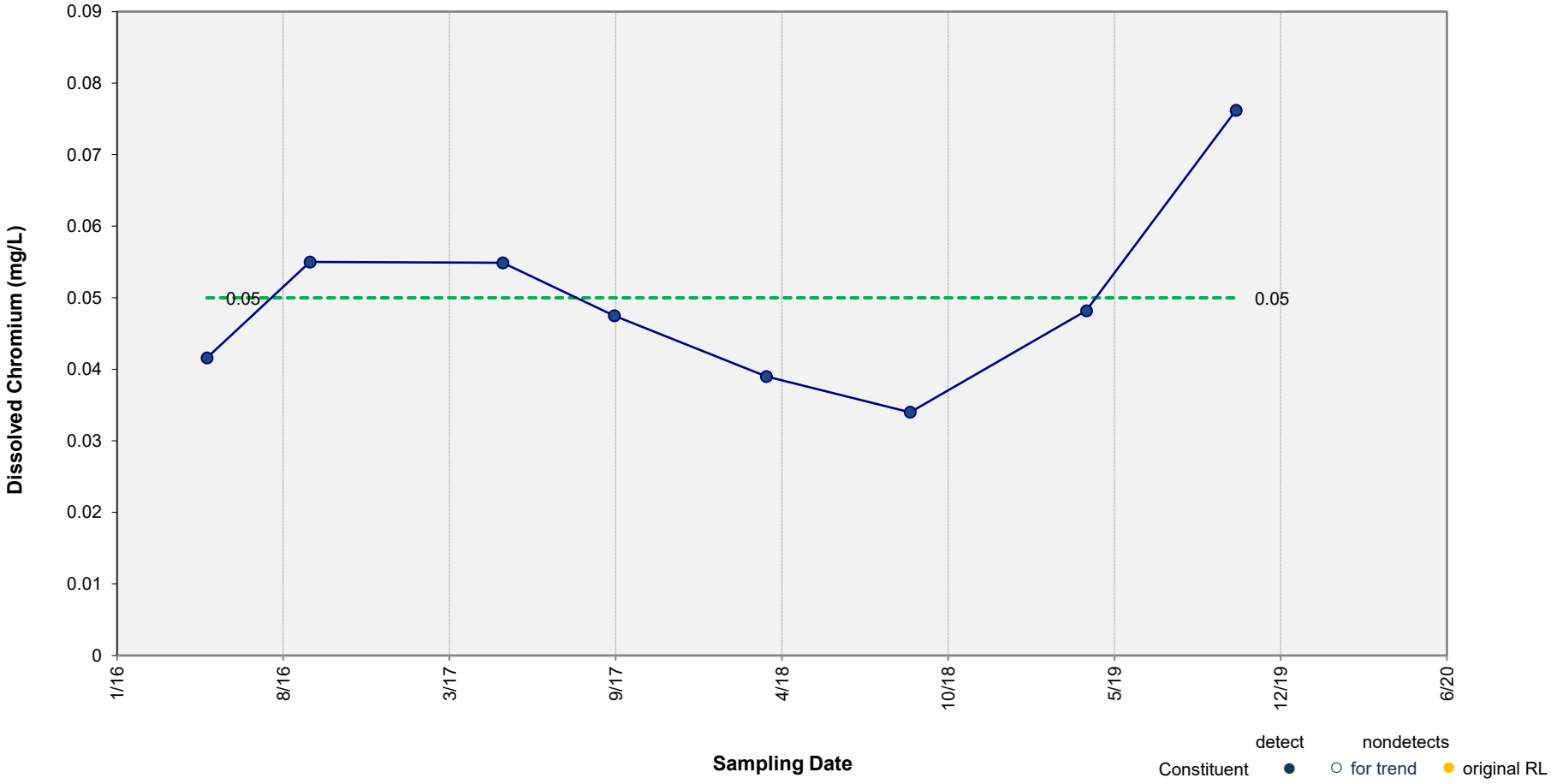
Concentration vs. Time Plot - Dissolved Chromium in MW085SA

Eunice North, New Mexico

Figure G-6

Page 1130 of 1147

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

p value = 0.548 Note: p value < 0.1 indicates a statistically significant trend (90% confidence level).

ARCADIS

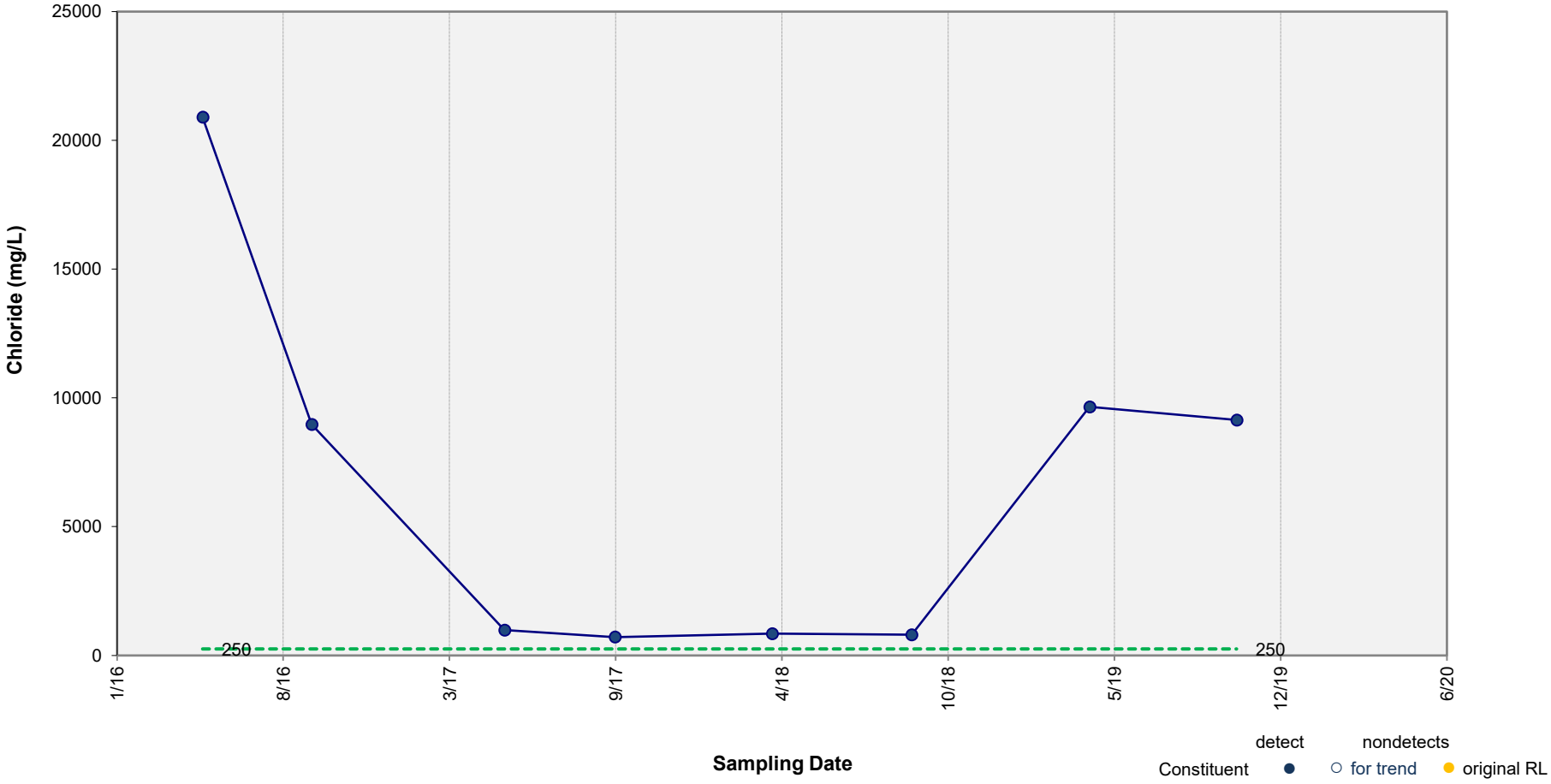
Concentration vs. Time Plot - Dissolved Chromium in MW086SA

Eunice North, New Mexico

Figure G-7

MK Trends_MW086SA_Chromium_HS.xlsx

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

p value = 0.360 Note: p value < 0.1 indicates a statistically significant trend (90% confidence level).

ARCADIS

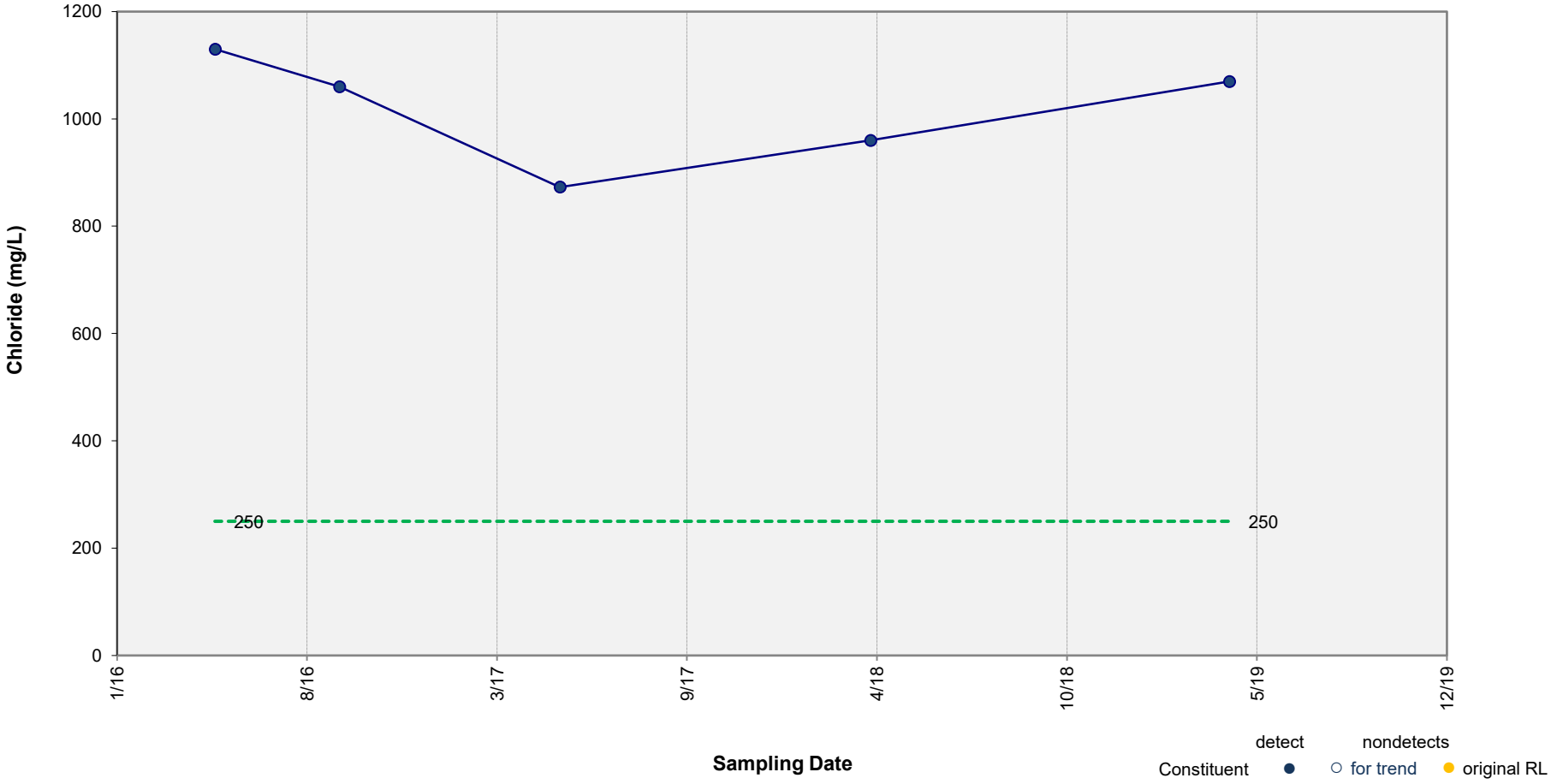
Concentration vs. Time Plot - Chloride in MW069

Eunice North, New Mexico

Figure G-8

MK Trends_MW069_Chloride_HS.xlsx

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

p value = 0.408 Note: p value < 0.1 indicates a statistically significant trend (90% confidence level).

ARCADIS

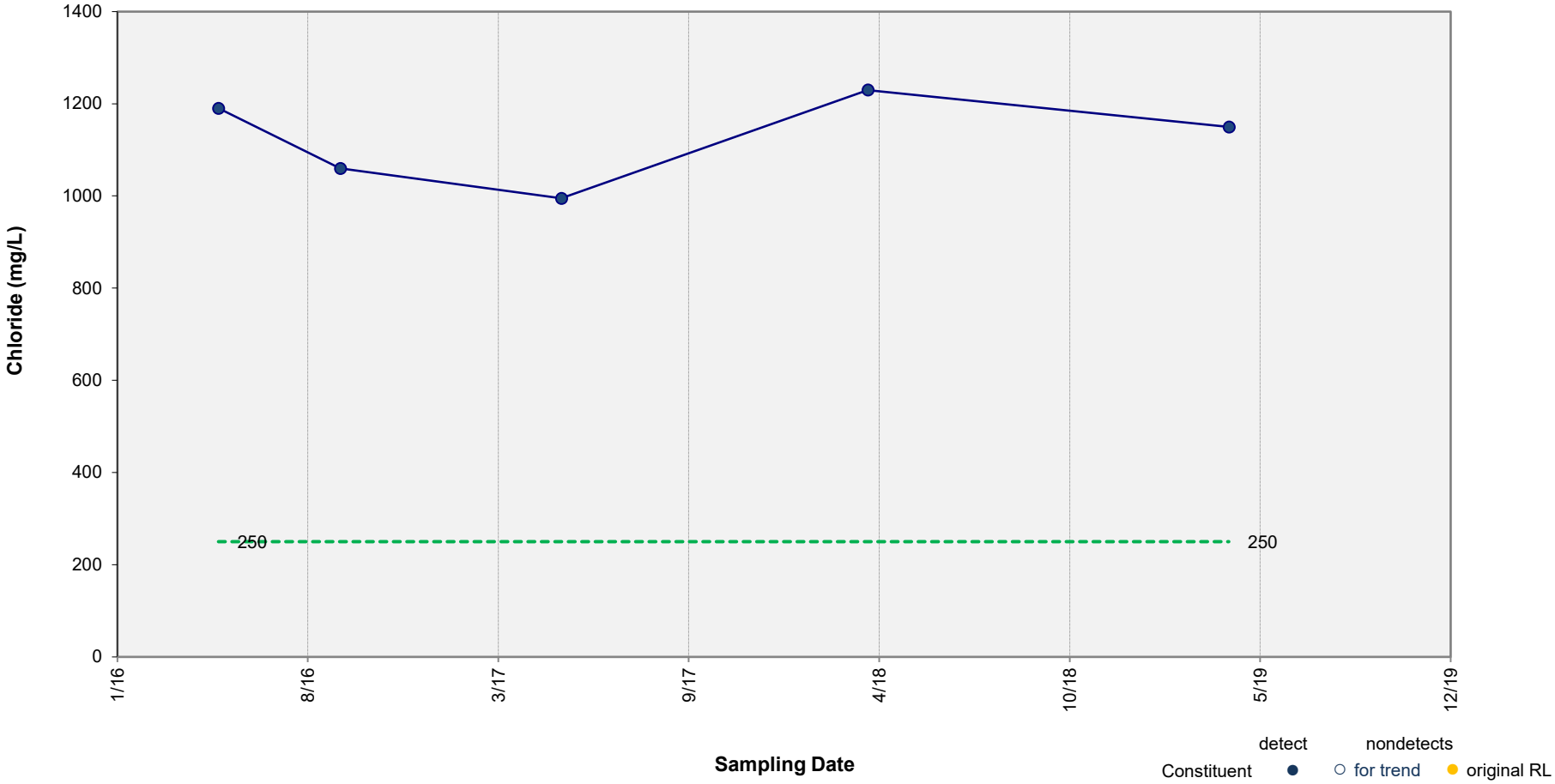
Concentration vs. Time Plot - Chloride in MW094

Eunice North, New Mexico

Figure G-9

MK Trends_MW094_Chloride_HS.xlsx

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

p value = 0.592 Note: p value < 0.1 indicates a statistically significant trend (90% confidence level).

ARCADIS

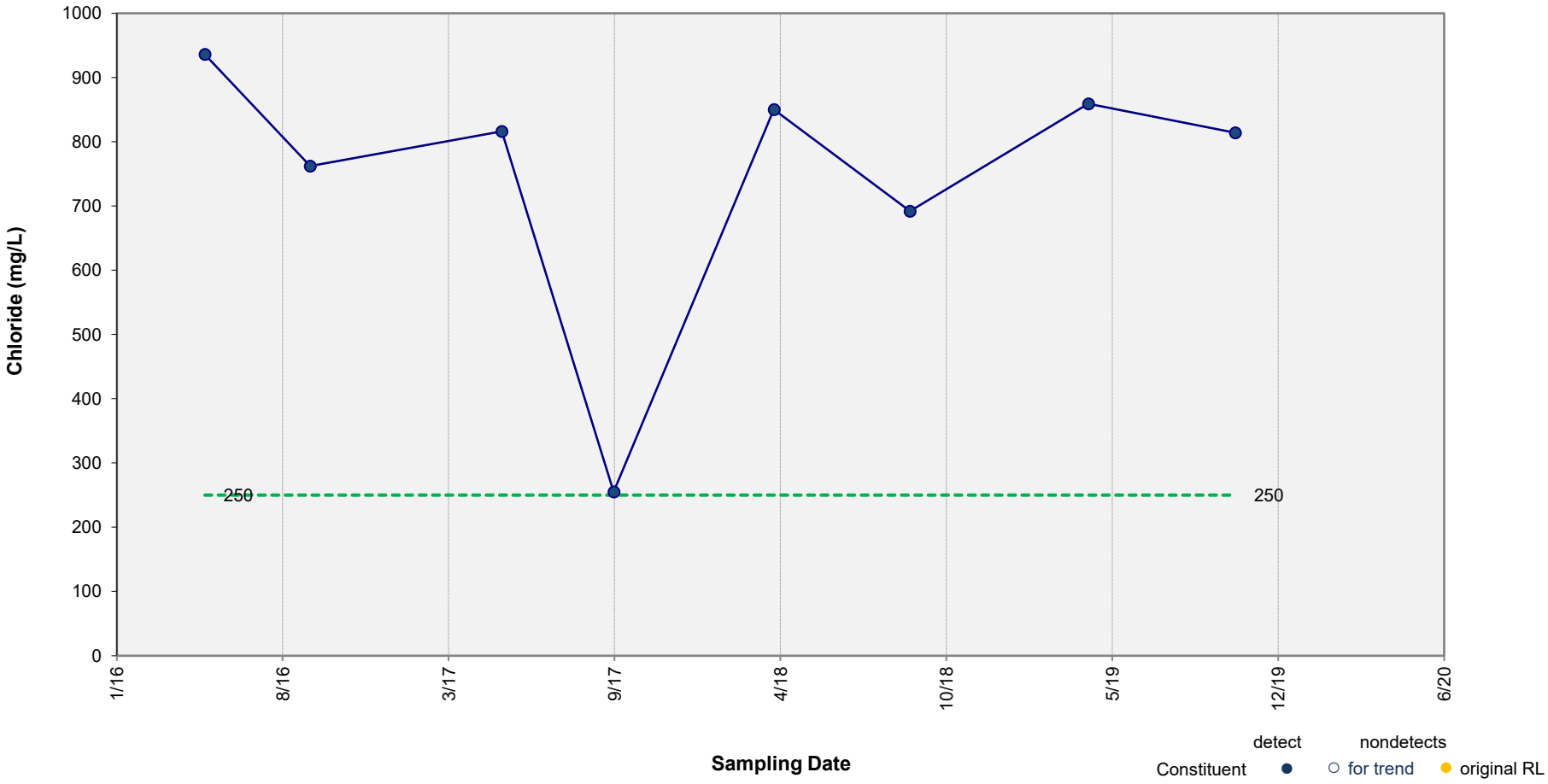
Concentration vs. Time Plot - Chloride in MW058

Eunice North, New Mexico

Figure G-10

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

p value = 0.452 Note: p value < 0.1 indicates a statistically significant trend (90% confidence level).

ARCADIS

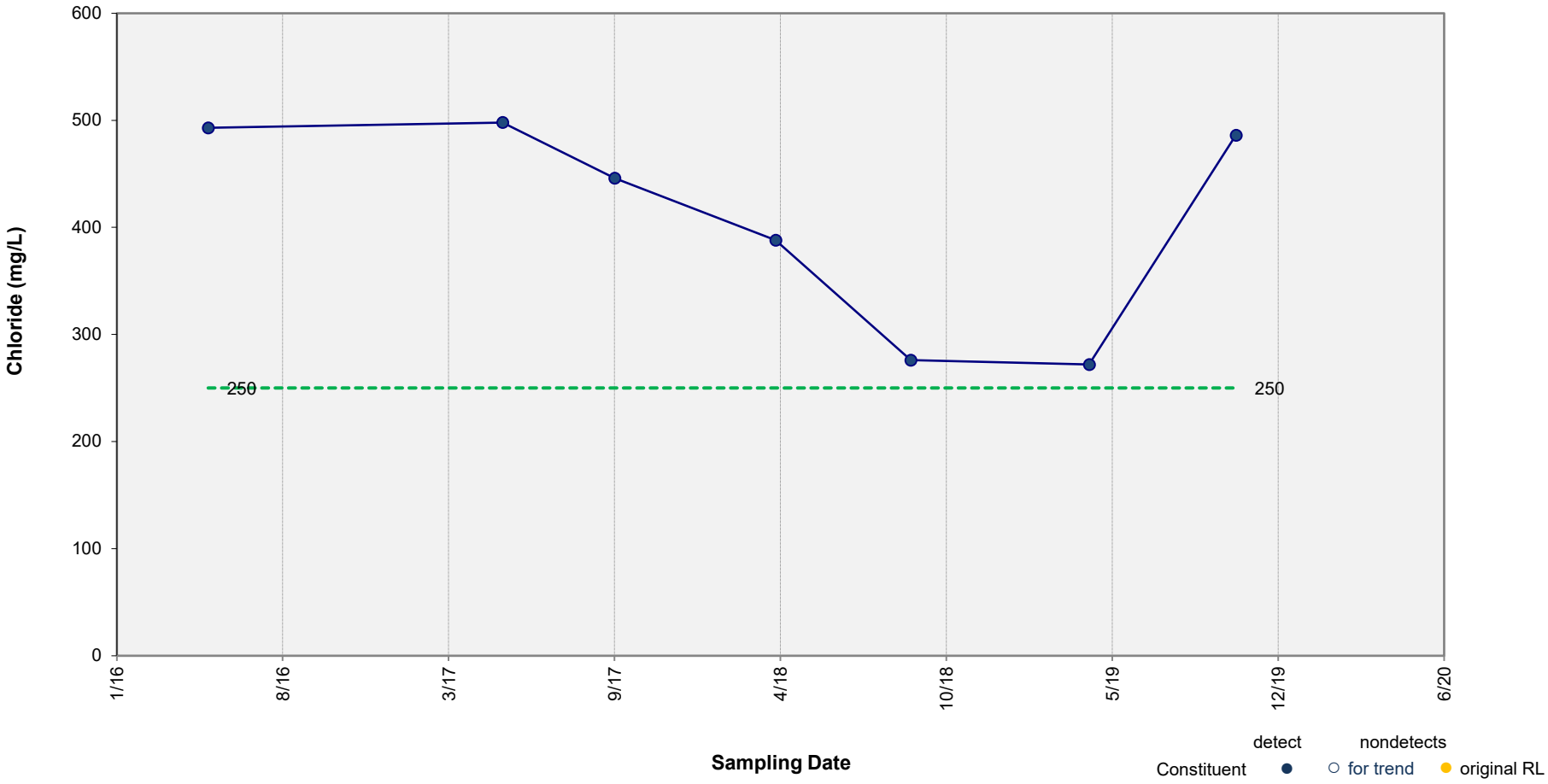
Concentration vs. Time Plot - Chloride in MW013

Eunice North, New Mexico

Figure G-11

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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

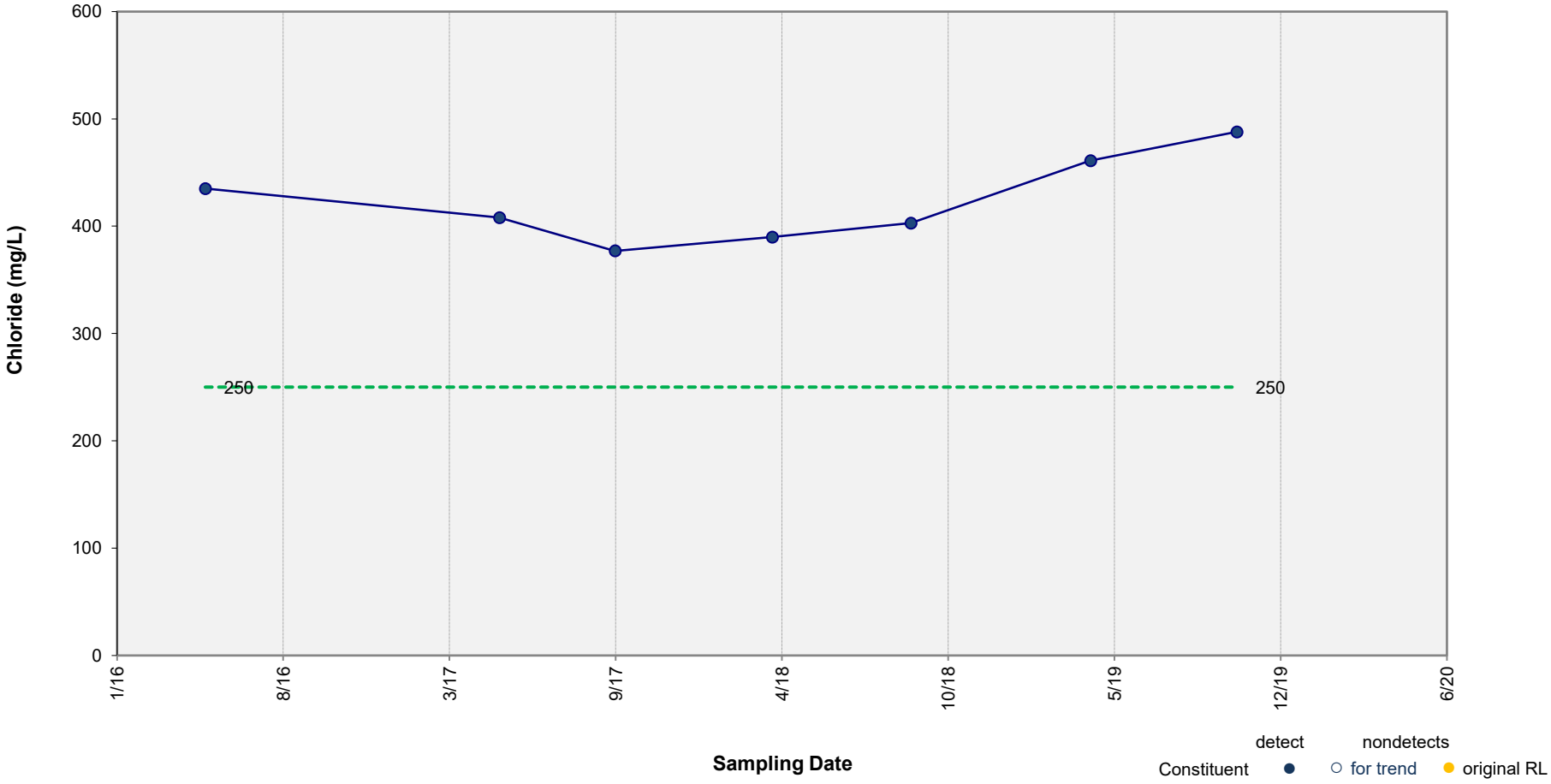
Concentration vs. Time Plot - Chloride in MW047

Eunice North, New Mexico

Figure G-12

MK Trends_MW047_Chloride_HS.xlsx

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

p value = 0.191 Note: p value < 0.1 indicates a statistically significant trend (90% confidence level).

ARCADIS

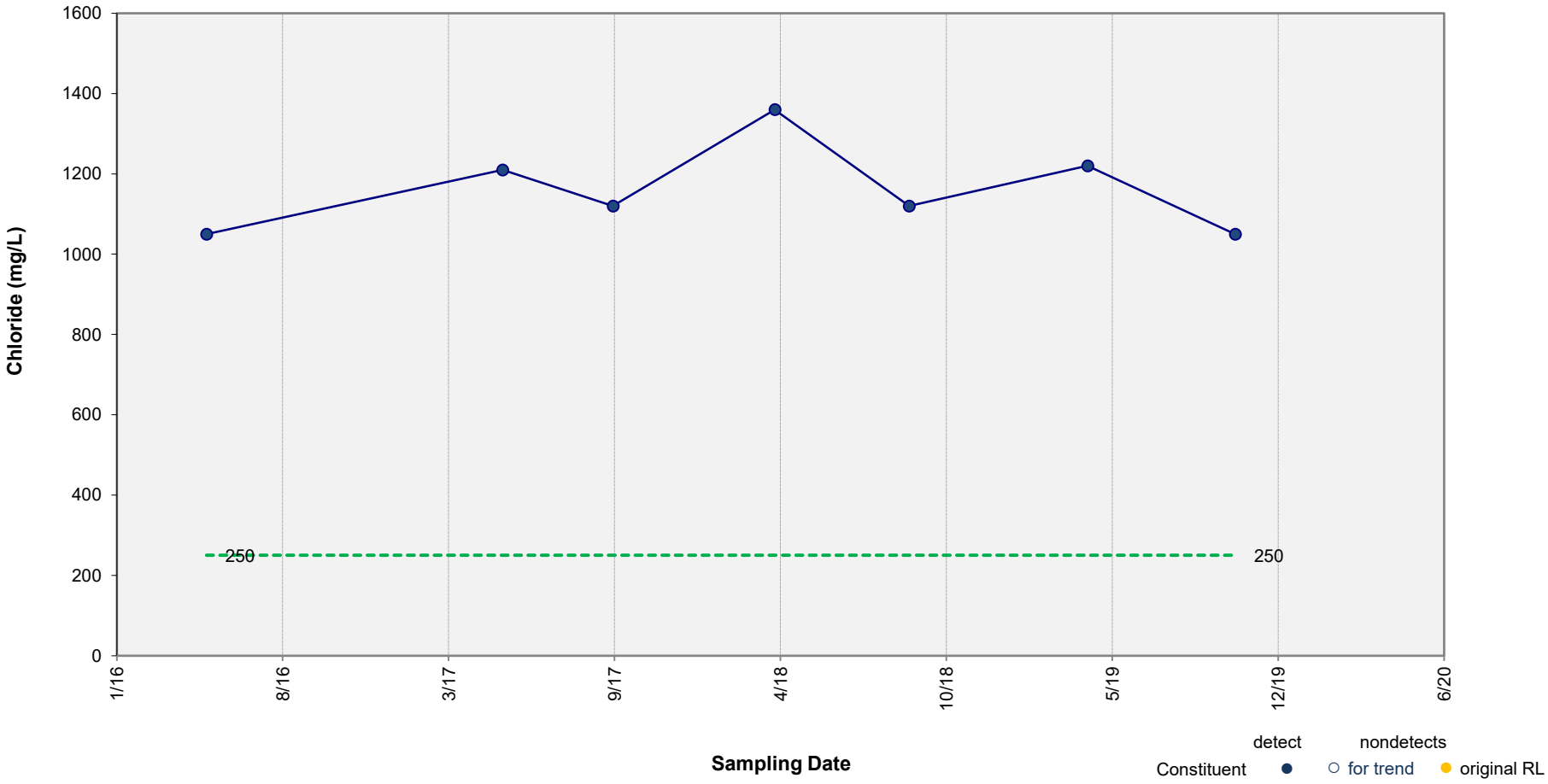
Concentration vs. Time Plot - Chloride in MW041A

Eunice North, New Mexico

Figure G-13

MK Trends_MW041A_Chloride_HS.xlsx

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

p value = 0.500 Note: p value < 0.1 indicates a statistically significant trend (90% confidence level).

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Concentration vs. Time Plot - Chloride in MW051SA

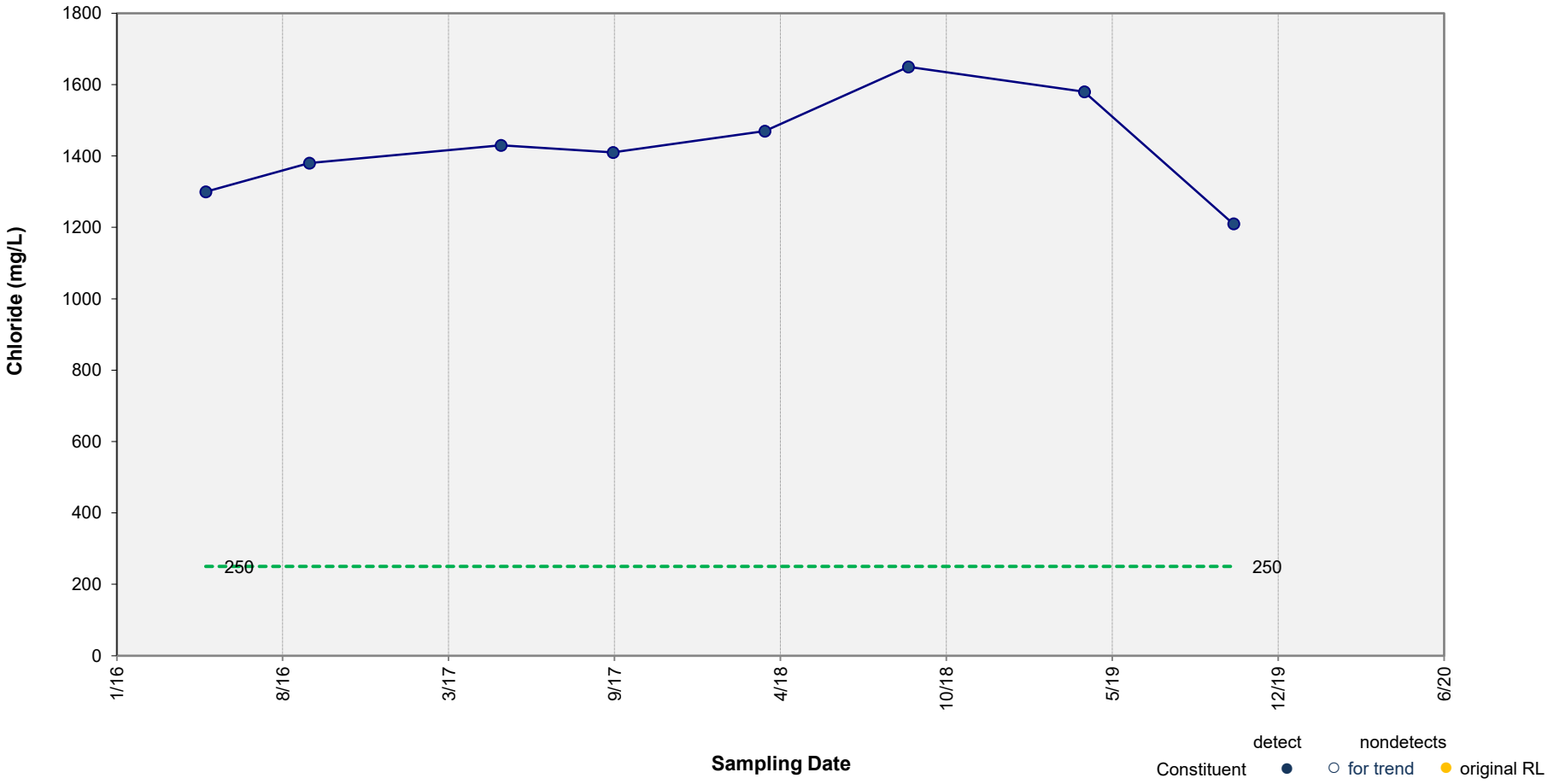
Eunice North

Figure G-14

MK Trends_MW051SA_Chloride_HS.xlsx

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

p value = 0.138 Note: p value < 0.1 indicates a statistically significant trend (90% confidence level).

ARCADIS

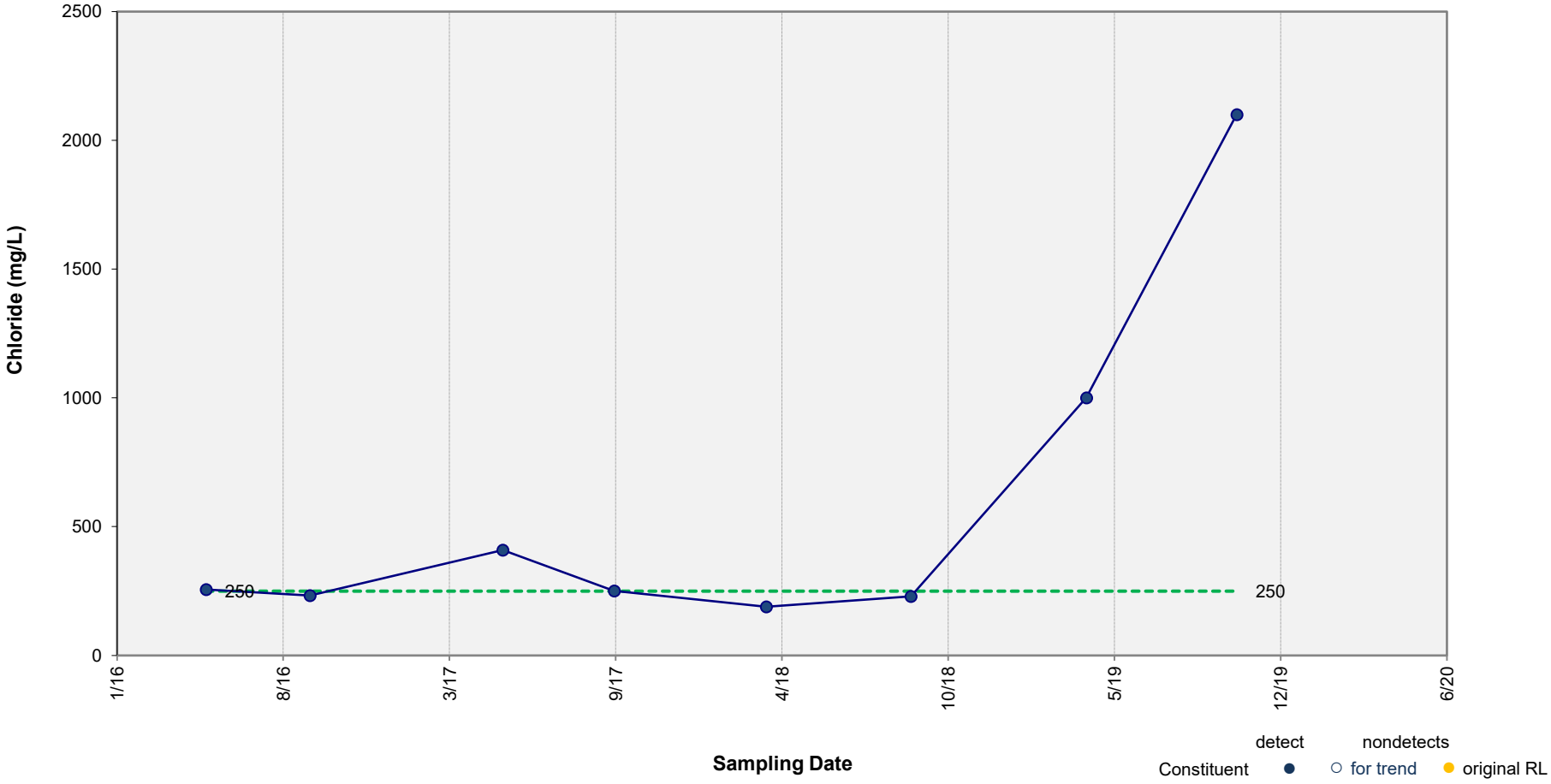
Concentration vs. Time Plot - Chloride in MW085SA

Eunice North, New Mexico

Figure G-15

MK Trends_MW085SA_Chloride_HS.xlsx

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

p value = 0.274 Note: p value < 0.1 indicates a statistically significant trend (90% confidence level).

ARCADIS

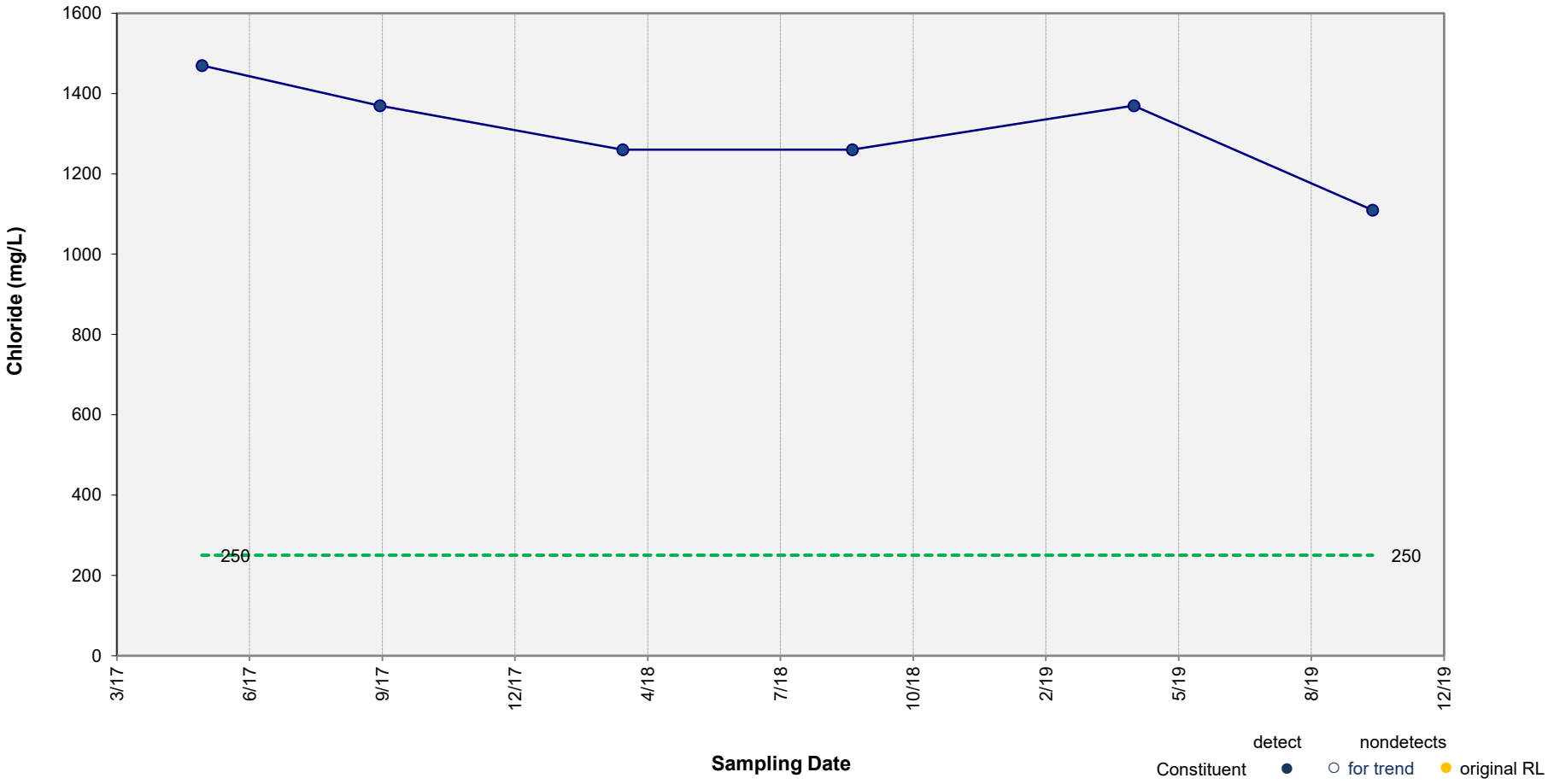
Concentration vs. Time Plot - Chloride in MW073SA

Eunice North, New Mexico

Figure G-16

MK Trends_MW073SA_Chloride_HS.xlsx

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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).

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

Eunice North, New Mexico

Figure G-17

MK Trends_MW086SA_Chloride_HS_2017.xlsx

LEGEND

- MONITORING WELL
- INJECTION WELL
- RECOVERY WELL
- WATER WELL
- GAS PLANT PROPERTY BOUNDARY / FENCE LINE
- WATER SUPPLY LINE
- 2.54 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
- <0.004 U NOT DETECTED ABOVE REPORTING LIMIT
- NS NOT SAMPLED

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 8, 9, 10 AND 11 OCTOBER, 2019.
6. ONLY DATA COLLECTED IN 2019 ARE POSTED. CONTOURS ARE BASED ON HISTORICAL DATA DATING BACK TO 2017 WHERE CURRENT DATA ARE NOT AVAILABLE.

- VARIABLE
- STABLE
- INCREASING
- DECREASING

CONTINENTAL ROAD
6th STREET
MAIN STREET (STATE LOOP 207)
AVENUE "R"
AVENUE "Q"
AVENUE "P"
AVENUE "O" (STATE HIGHWAY NO. 8)
20th STREET
19th STREET
18th STREET
17th STREET
16th STREET
15th STREET

N

0 300' 600'
GRAPHIC SCALE

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

DISSOLVED CHROMIUM TREND SUMMARY MAP

ARCADIS Design & Consultancy for natural and built assets

FIGURE G-18

DW/GROUP: ENVCAD
C:\Users\ndigera\819118\M 360\Arcadis\ANA - CHEVRON CORPORATION\Project Files\Eunice North Gas Plant-Site O&M\2020\30006114\01-DWG\EUN Fig 7 DCIM Fall 2019.dwg LAYOUT: 7 SAVED: 2/14/2020 12:19 PM ACADVER: 23.1S (LMS TECH) PAGESETUP: ---- PLOTSTYLETABLE: ---- PLOTTED: 2/14/2020 12:23 PM BY: NADIGERA, CHIDAMBARA
XREFS: IMAGES: 05_32103826.jpg

LEGEND

- MONITORING WELL
- INJECTION WELL
- RECOVERY WELL
- WATER WELL
- GAS PLANT PROPERTY BOUNDARY / FENCE LINE
- WATER SUPPLY LINE
- 1670 CHLORIDE CONCENTRATION/DUPLICATE RESULT IN MILLIGRAMS PER LITER (mg/L)
- CHLORIDE ISOCONCENTRATION CONTOUR (mg/L; DASHED WHERE INFERRED)
  - >250
  - >500
  - >1,000
  - >3,000
- NS NOT SAMPLED

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 8, 9 10 AND 11 OCTOBER, 2019.
6. ONLY DATA COLLECTED IN 2019 ARE POSTED. CONTOURS ARE BASED ON HISTORICAL DATA DATING BACK TO 2017 WHERE CURRENT DATA ARE NOT AVAILABLE.

- NO TREND/VARIABLE
- STABLE
- POTENTIALLY INCREASING
- DECREASING

CONTINENTAL ROAD
6th STREET
AVENUE "R"
AVENUE "Q"
AVENUE "P"
AVENUE "O" (STATE HIGHWAY NO. 8)
20th STREET
19th STREET
18th STREET
17th STREET
16th STREET
15th STREET
MAIN STREET (STATE LOOP 207)
6th STREET
TEAGUE
WOODELLWW
LORDWW
ROLANDWW

N

0 300' 600'
GRAPHIC SCALE

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

CHLORIDE TREND SUMMARY MAP

ARCADIS Design & Consultancy for natural and built assets

FIGURE
G-19

DIV/GROUP: ENVCAD
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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 4691

CONDITIONS

Operator: Arcadis U.S., Inc 630 Plaza Drive Highlands Ranch, CO 80129	OGRID: 329073
	Action Number: 4691
	Action Type: [C-141] Release Corrective Action (C-141)

CONDITIONS

Created By	Condition	Condition Date
bbillings	None	6/14/2022