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March 31, 2020

Mr. Bradford Billings
Environmental Bureau
New Mexico Oil Conservation Division
1220 South Saint Francis Drive
Santa Fe, New Mexico 87505

Re: Semi-Annual Groundwater Monitoring Report (July to December 2020)
Chevron Dollarhide Groundwater Remediation Site
Andrews County, Texas
RRC OCP No. 08-1048
NMOCD RP No. 1R-3944

Dear Mr. Billings:

Chevron Environmental Management and Real Estate Company (CEMREC) submits herein to the Railroad Commission of Texas (RRC) the *Semi-Annual Groundwater Monitoring Report (July to December 2020)* for the Chevron Dollarhide Oil Field Unit located in Andrews County, Texas (Site). This report was prepared by GHD Services Inc. (GHD), on behalf of CEMREC, to document groundwater monitoring activities performed at the Site during the above referenced reporting period.

If you have any questions regarding this submittal, please contact me at (832) 854-5601 or Nick Casten of GHD at (225) 296-6513.

Respectfully,
Chevron Environmental Management and Real Estate Company
on behalf of Chevron U.S.A. Inc.

A handwritten signature in black ink that reads "Jason Michelson".

Jason Michelson

Encl.

cc: Kent Stallings – RRC Site Remediation Section
Nick Casten – GHD

Accepted - 10/25/2022

NV



Semi Annual Groundwater Monitoring Report (July to December 2020)

Dollarhide Oil Field Unit
Andrews County, Texas
RRC OCP No. 08-1048
OCD RP No. 1R -944

Chevron Environmental Management and Real Estate Company





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1. Introduction

GHD Services Inc. (GHD), on behalf of Chevron Environmental Management and Real Estate Company (CEMREC), submits herein to the Railroad Commission of Texas (RRC) the *Semi-Annual Groundwater Monitoring Report (July to December 2020)* for the Dollarhide Oil Field Unit located in Andrews County, Texas (Site). The latitude/longitude coordinates for the Site are 32° 08' 45.60" N and 103° 03' 20.12" W, and a vicinity map showing the Site location is included as Figure 1. This report presents a summary and evaluation of the annual groundwater monitoring data collected in the second half of 2020.

2. Background

It is believed that historical operations at the Site have contributed to elevated chloride concentrations in groundwater in the Ogallala Aquifer. The Site was discovered as an oil and gas production field in 1945 and, over the years, was owned and operated and/or leased by various companies that disposed of excess produced water and drilling fluids into pits. The use of pits for water disposal ceased in 1967, and the Site operators began using an injection system for disposal. In 1971, the first evidence of elevated chloride concentrations in groundwater was identified in Tract 26, and then in 1974 in Tract 45. Groundwater assessment was initiated in 1974, and groundwater recovery was initiated in 1994 by Union Oil Company of California (Unocal).

Representatives of Unocal and the RRC participated in a meeting on June 2, 1994, to discuss the installation of 24 recovery wells located in Texas along the Texas and New Mexico State Line to remove chloride-impacted groundwater from the Ogallala aquifer. Unocal received RRC approval of the recovery system in written correspondence on July 7, 1994. Since 1994, two additional recovery wells were installed, totaling 26 recovery wells that recovered groundwater from the Site. The recovered groundwater was pumped into two on-Site injection wells for oil reservoir pressure maintenance. Chevron Corporation purchased Unocal in August 2005. Since that time, Chevron U.S.A., Inc. (Chevron) continued to operate the groundwater recovery system until the system shutdown in November 2017, with concurrence from the RRC and New Mexico Oil Conservation Division (OCD).

Former Pits

Prior to the 1970s, it was an accepted practice in oil field operations to store produced water in pits adjacent to well locations. After livestock water wells in the vicinity of the Site began exhibiting elevated chloride concentrations, soil borings were installed in all former pit locations to assess possible chlorides in soil leaching to groundwater. Historical aerial photographs were reviewed to assess potential source areas. A 1955 aerial photograph identified the presence of approximately 84 former produced water (brine) pits adjacent to Site well locations. A large-scale evaporation pit located to the northwest of the existing gas plant that had been utilized to store mixed brine was identified as a potential source area. Soil samples were collected from various depths within the former pits and were submitted for laboratory analysis of chlorides. Former pit locations with soil chloride concentrations less than 700 parts per million (ppm) were determined not to be potential source areas and were left in place. The former pit locations with soil chloride concentrations



greater than 700 ppm were determined to be potential source areas, and Unocal capped the pits with a geosynthetic clay liner to prevent any further leaching of chlorides.

Light Non-Aqueous Phase Liquid

During a groundwater sampling event in January 2000, dissolved hydrocarbon constituents and light non-aqueous phase liquid (LNAPL) were detected in recovery well 44-J-WW during a routine groundwater sampling event. The LNAPL exhibited elevated concentrations of hydrocarbons in the C₆-C₁₂ range, indicative of natural gas liquids. A north-south trending underground pipeline that contains hydrocarbon products, operated by another company (not Chevron), is located within 100 feet of monitor well 44-J-WW. Soil investigations were conducted in 2000 by Unocal and 2011 by CEMREC, to determine the source area of the release; however, no hydrocarbon impacts were detected in soil. On November 5, 2010, LNAPL was discovered in two additional recovery wells, 44-I-WW and 44-II-WW, during routine operation and maintenance. Due to the presence of LNAPL, these three wells remained inactive through November 2017, when the groundwater recovery system was shut down to prevent the introduction of LNAPL into the groundwater recovery system. The LNAPL identified in these three wells (44-J-WW, 44-I-WW, and 44-II-WW) is not located near any Chevron assets that contain hydrocarbons, and the LNAPL is believed to be associated with other third-party pipelines in the vicinity. LNAPL investigation efforts have been summarized in previous reports that have been submitted to the RRC.

3. Regulatory Framework

The RRC has regulatory jurisdiction over oil and gas production operations in the State of Texas. CEMREC has been working under the guidance of the RRC to address the groundwater chloride impacts as a result of historic operations at the Site. Under the RRC, the Site is regulated under Title 16 of the Texas Administrative Code (TAC) Chapter 3 (relating to the Oil and Gas Division) Rule §3.8(b) (Statewide Rule 8 Water Protection).

On October 13, 2015, representatives of the OCD and CEMREC participated in a meeting at the OCD office in Santa Fe, New Mexico, to discuss the installation of groundwater monitor wells on CEMREC-owned property in New Mexico to delineate and to further assess the impacts to the Site's groundwater with respect to chlorides and total dissolved solids (TDS). Subsequent to the meeting, CEMREC submitted a Release Notification and Corrective Action (C-141) Form in a written correspondence on October 28, 2015, per OCD's request, in order to establish a file for the Site. Following the 2015 meeting with the OCD, CEMREC completed groundwater investigations in 2015, 2016, and 2017 that included installation of monitor wells in Texas and New Mexico to further delineate the plume boundary.

On May 16, 2017, representatives from CEMREC and GHD met with the RRC and the OCD at their respective offices. The meeting was held via teleconference to provide a project status update to both regulatory agencies and to ensure that the regulatory agencies involved in the project are in alignment with the path forward for the Site. During the joint regulatory meeting, the current and future use of the recovery system was discussed. CEMREC informed the RRC and OCD of its intentions to temporarily shut down the groundwater recovery system in the fourth quarter of 2017, for at least one calendar year, to evaluate non-pumping aquifer and plume conditions. The RRC



and OCD agreed with this approach and the groundwater recovery system was shut down in November 2017.

4. Groundwater Recovery

In the fourth quarter of 2018, representatives from CEMREC and GHD met with the RRC (November 28, 2018) and the OCD (December 13, 2018) at their respective offices. The purpose of these meetings was to provide a project status update to both regulatory agencies and discuss the path forward for the Site. During both 2018 regulatory meetings, CEMREC informed the RRC and the OCD of its intentions to permanently shut down the groundwater recovery system. The RRC and OCD both agreed with this approach, and the groundwater recovery system will remain permanently shut down.

5. Groundwater Monitoring

Groundwater sampling was initiated in 2008 at the Site on a semi-annual basis. In 2017, CEMREC initiated quarterly groundwater sampling to provide concentration data trends. Currently, groundwater monitoring at the Site is being performed on a quarterly basis, with events conducted in January, April, July, and October. The groundwater monitoring system consists of 67 monitor wells and 8 non-remedial wells screened in the Ogallala Aquifer approximately 120 feet below ground surface. Groundwater well designations are shown on Figure 2 and listed in Table 1. During the January and July events, all viable wells in the groundwater monitoring system are sampled. During the voluntary April and October events, only the wells installed during the 2015, 2016, 2017, 2019, and 2020 groundwater investigations are sampled to develop concentration trends over time. The groundwater data collected during the July and October 2020 events are discussed below.

5.1 Potentiometric Conditions

Prior to sampling during each event, depth-to-groundwater measurements were collected at each well with an oil/water interface probe, with an accuracy of 0.01 foot, to determine the groundwater elevation in each well. Groundwater potentiometric elevations and contours for the July and October 2020 events are shown on Figures 3 and 4, respectively. The measurements indicate that the groundwater flow direction is generally to the southwest which is consistent with previous events. A summary of the depth-to-groundwater measurements and the corresponding groundwater elevations is included in Tables 2 and 3. Historical groundwater elevations are included in Appendix A.

5.2 Groundwater Sampling

During the July and October 2020 sampling events, investigative groundwater samples were collected via no-purge grab sampling techniques. The groundwater samples were collected directly from the screened interval of each well using a HydraSleeve. The HydraSleeve is deployed during the gauging event to allow the well to return to equilibrium prior to sampling. Groundwater samples were collected in laboratory-supplied containers, preserved on ice, and transported to Xenco Laboratories located in Midland, Texas, following proper chain-of-custody procedures. All



groundwater samples were submitted for analysis of chloride by United States Environmental Protection Agency (EPA) Method 300/300.1 and TDS by EPA Method SM2540C. The results received from Xenco Laboratories for the July and October 2020 sampling events are reported herein.

5.3 Analytical Results

Groundwater sample analytical results were compared to the Texas Commission of Environmental Quality (TCEQ) Secondary Drinking Water Standards and Secondary Constituent levels for chlorides (300 milligrams per liter [mg/L]) and TDS (1,000 mg/L). The groundwater sample analytical results from the July and October 2020 events are listed in Table 4. The groundwater chloride and TDS concentrations and isolopleths for the July and October 2020 sampling events are shown on Figures 5 through 8, and the analytical laboratory reports are included in Appendix B. The concentrations of chlorides and TDS are generally consistent with historical events. The chloride plume has been fully delineated in the downgradient direction in both Texas and New Mexico following the installation of the 2020 monitor wells. A table of historical analytical results is included in Appendix C.

5.4 Quality Assurance/Quality Control

During the July and October 2020 sampling events, four field duplicate sample sets were collected for chloride and TDS during each sampling event to confirm sample quality and reproducibility. No significant deviations were encountered in the sample results for duplicate constituents. All certified groundwater laboratory reports received during the July and October 2020 sampling events were reviewed by a GHD analytical chemist for laboratory and field method quality assurance/quality control (QA/QC). All laboratory reports were approved, and the associated data validation reports issued by GHD are included in Appendix D.

6. Conclusions and Path Forward

The results of the 2020 groundwater monitoring events will be used to update the groundwater model and to continue development for the strategy and path forward for the Site. CEMREC will continue conducting quarterly monitoring only for the monitor wells recently installed in 2019 and 2020 in order to establish concentration trends over time. Monitor wells installed prior to 2019 will continue to be sampled semi-annually.

Should you have any questions regarding this submittal, please contact Nick G. Casten of GHD at (225) 296-6513 or Jason Michelson of CEMREC at (832) 854-5601.

All of which is Respectfully Submitted

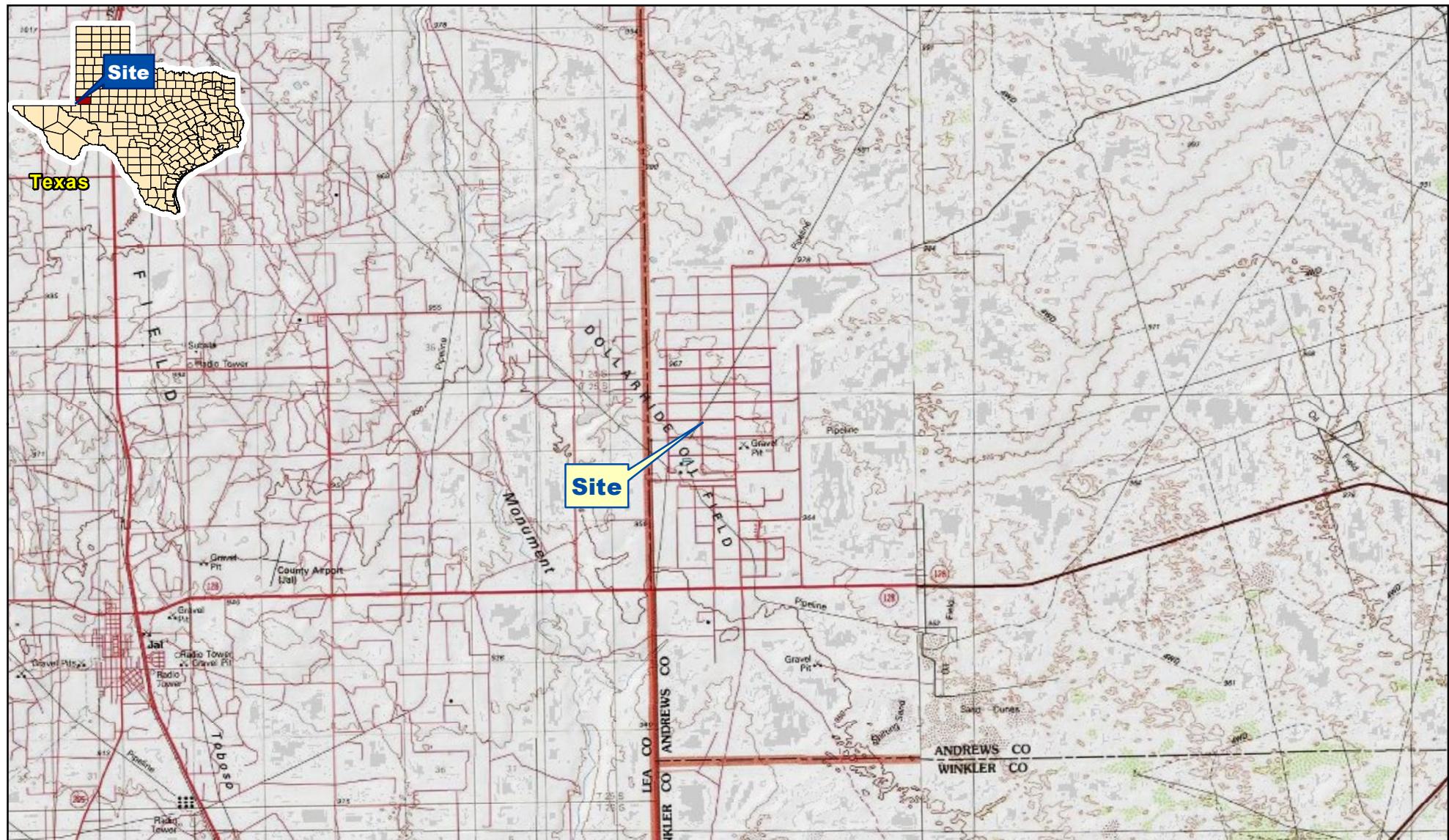
GHD,

A handwritten signature in black ink, appearing to read "Nicholas G. Casten".

Nicholas G. Casten

A handwritten signature in blue ink, appearing to read "Brian L. Carter".

Brian L. Carter, PhD
Texas PG No. 10319



Source: USGS 7.5 Minute Topographic Maps.

0 1 2
Miles

Coordinate System:
NAD 1983 UTM Zone 13N

CHEVRON ENVIRONMENTAL MANAGEMENT COMPANY
ANDREWS COUNTY, TEXAS
CHEVRON DOLLARHIDE UNIT

SITE VICINITY MAP

055270
Jun 30, 2020

FIGURE 1

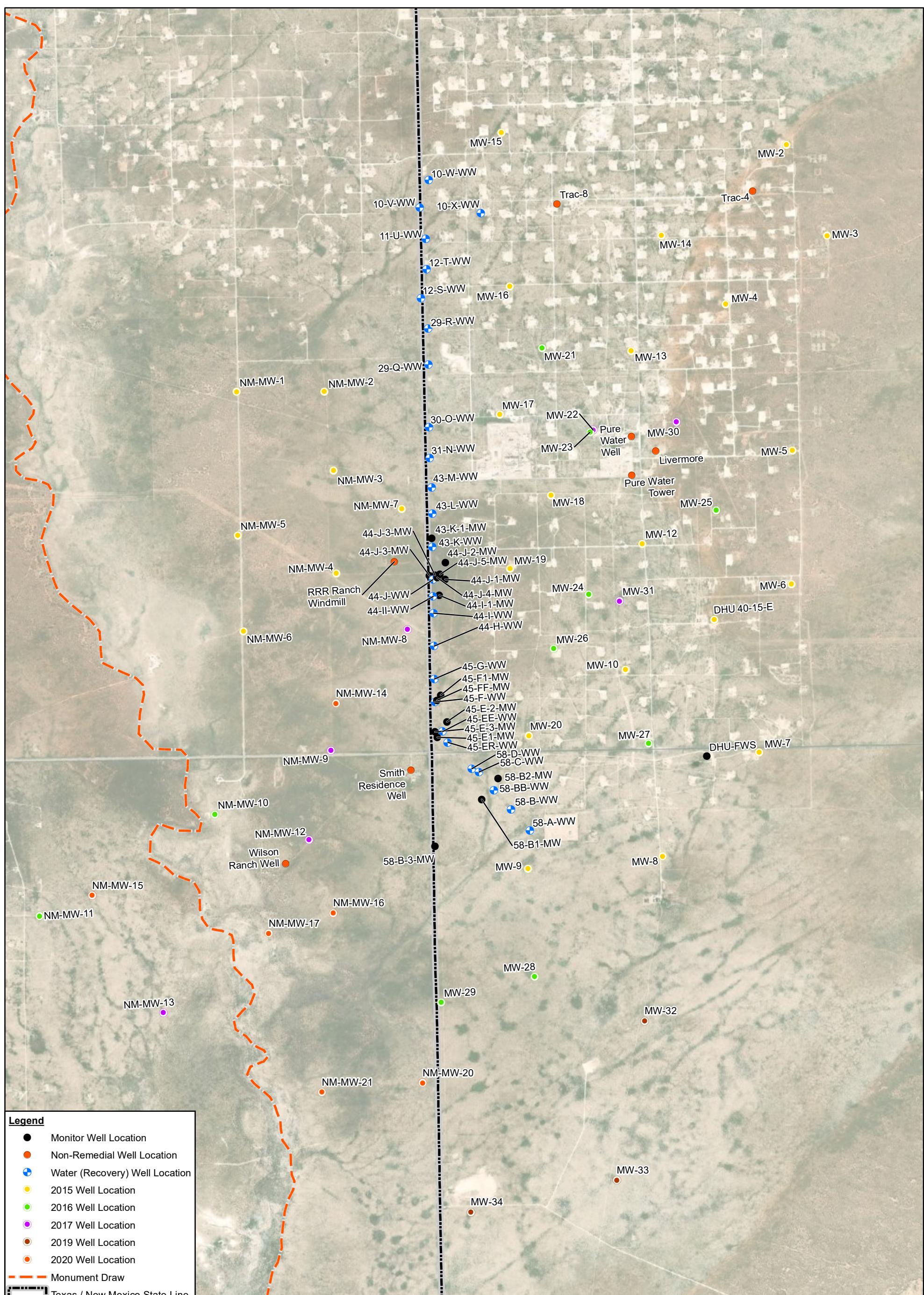
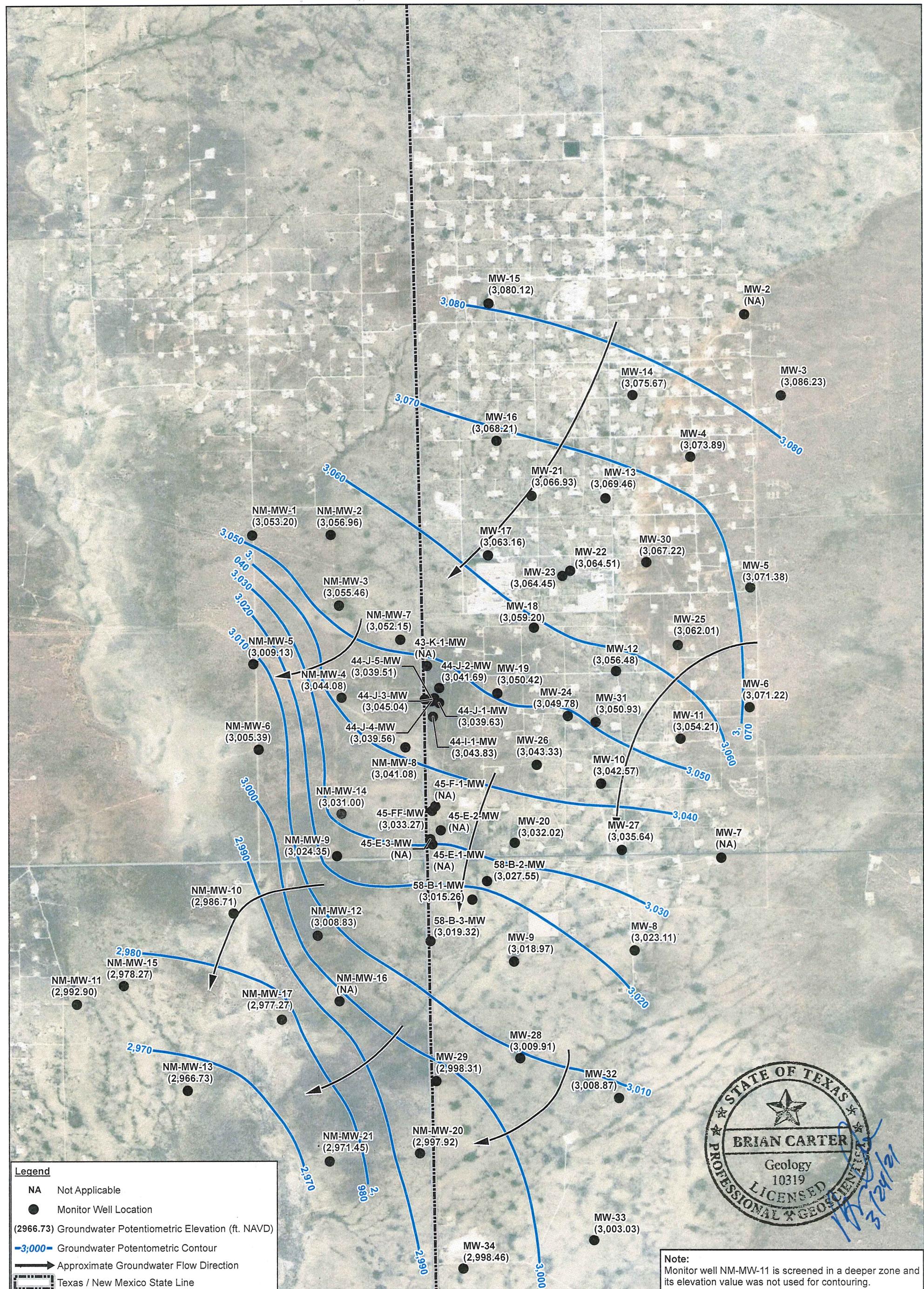
055270
Jul 2, 2020

FIGURE 2



Source: ESRI World Imagery Basemap Service.

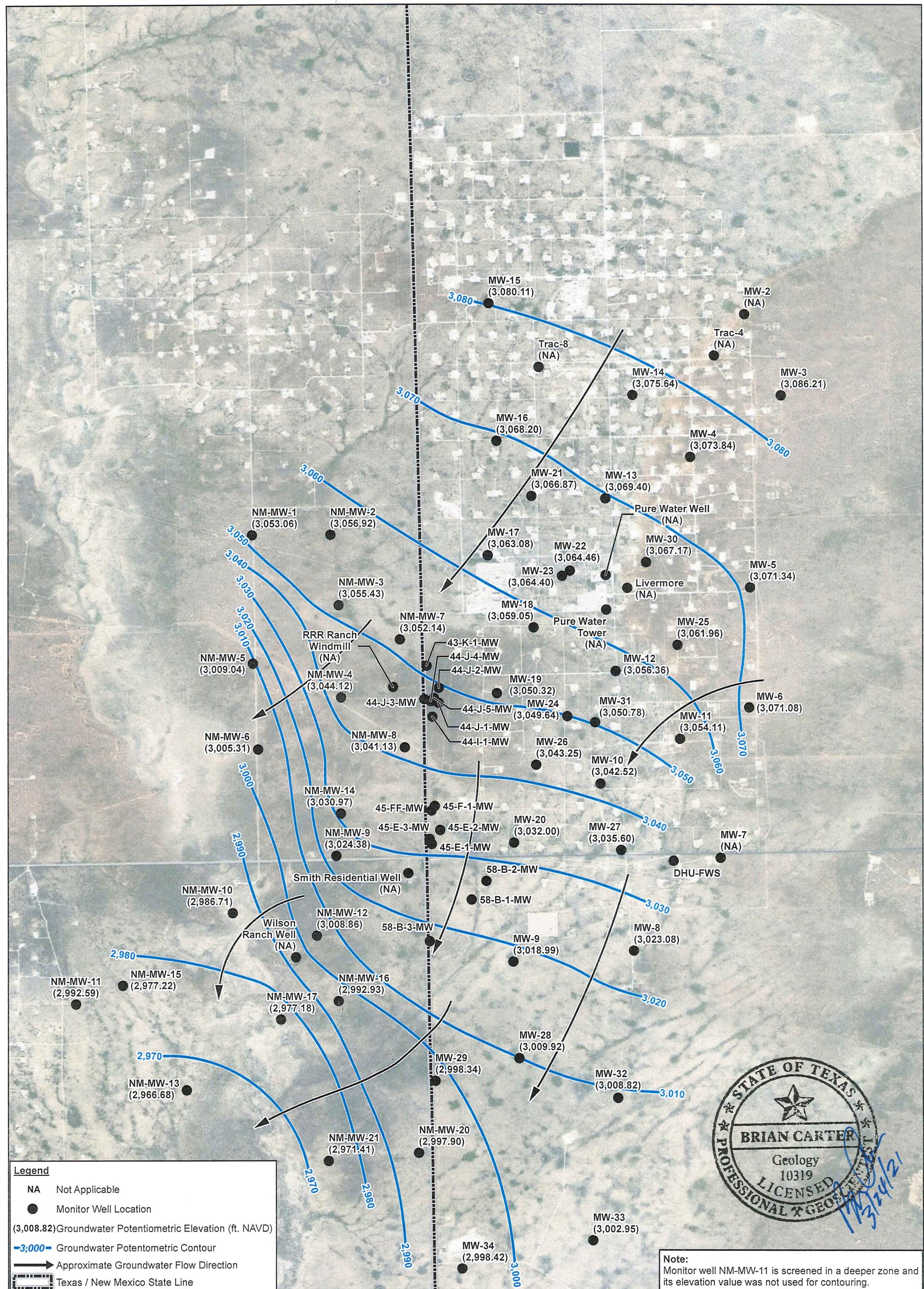
0 1,500 3,000
Feet

Coordinate System:
NAD 1983 UTM Zone 13N

CHEVRON ENVIRONMENTAL MANAGEMENT COMPANY
ANDREWS COUNTY, TEXAS
DOLLARHIDE OIL FIELD UNIT
JULY 2020 GROUNDWATER POTENTIOMETRIC
ELEVATIONS & CONTOURS

055270
Mar 9, 2021

FIGURE 3



Source: ESRI World Imagery Basemap Service.

0 1,500 3,000
Feet

Coordinate System:
NAD 1983 UTM Zone 13N

CHEVRON ENVIRONMENTAL MANAGEMENT COMPANY
ANDREWS COUNTY, TEXAS
DOLLARHIDE OIL FIELD UNIT
OCTOBER 2020 GROUNDWATER POTENTIOMETRIC
ELEVATIONS & CONTOURS

055270
Mar 9, 2021

FIGURE 4

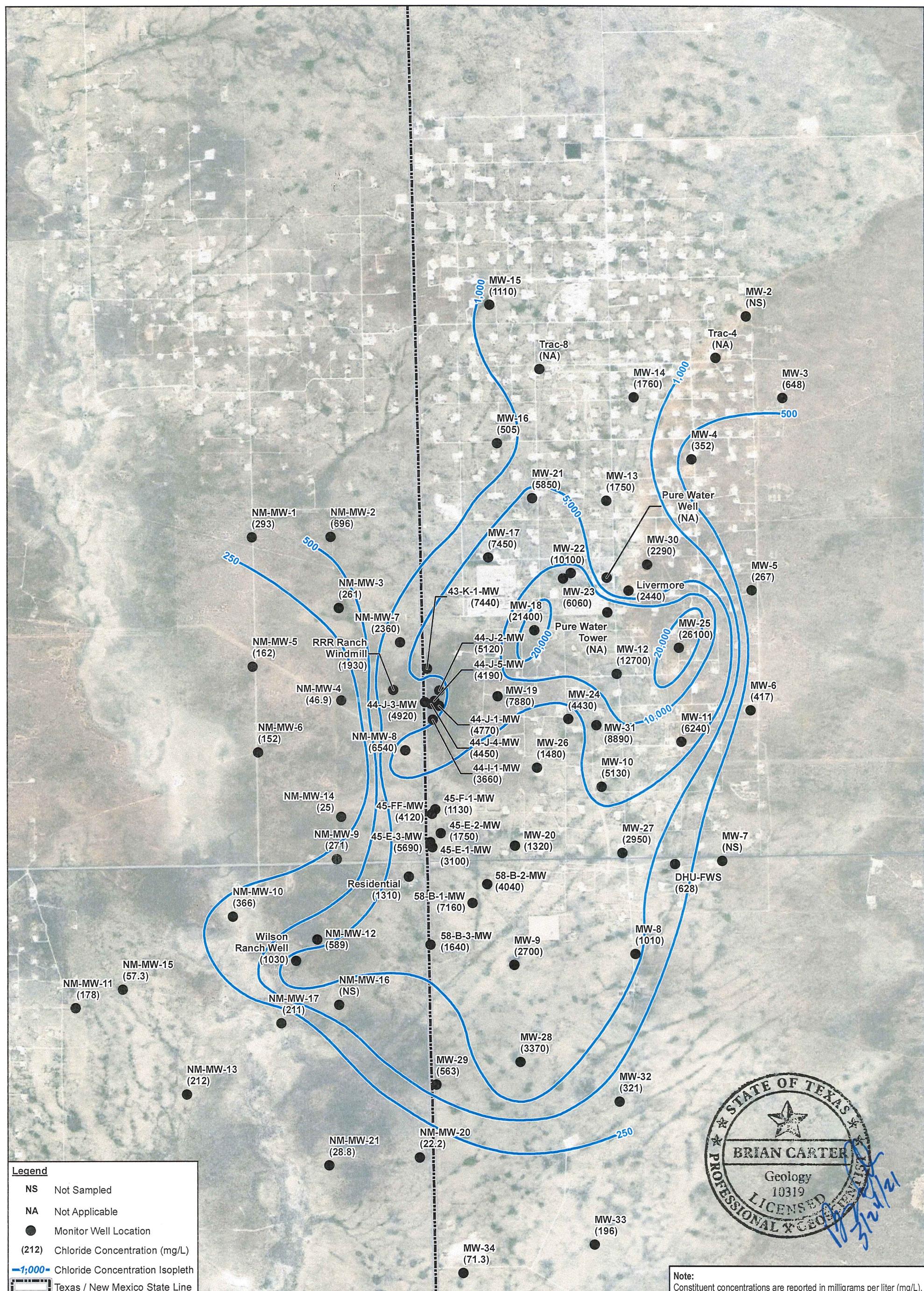
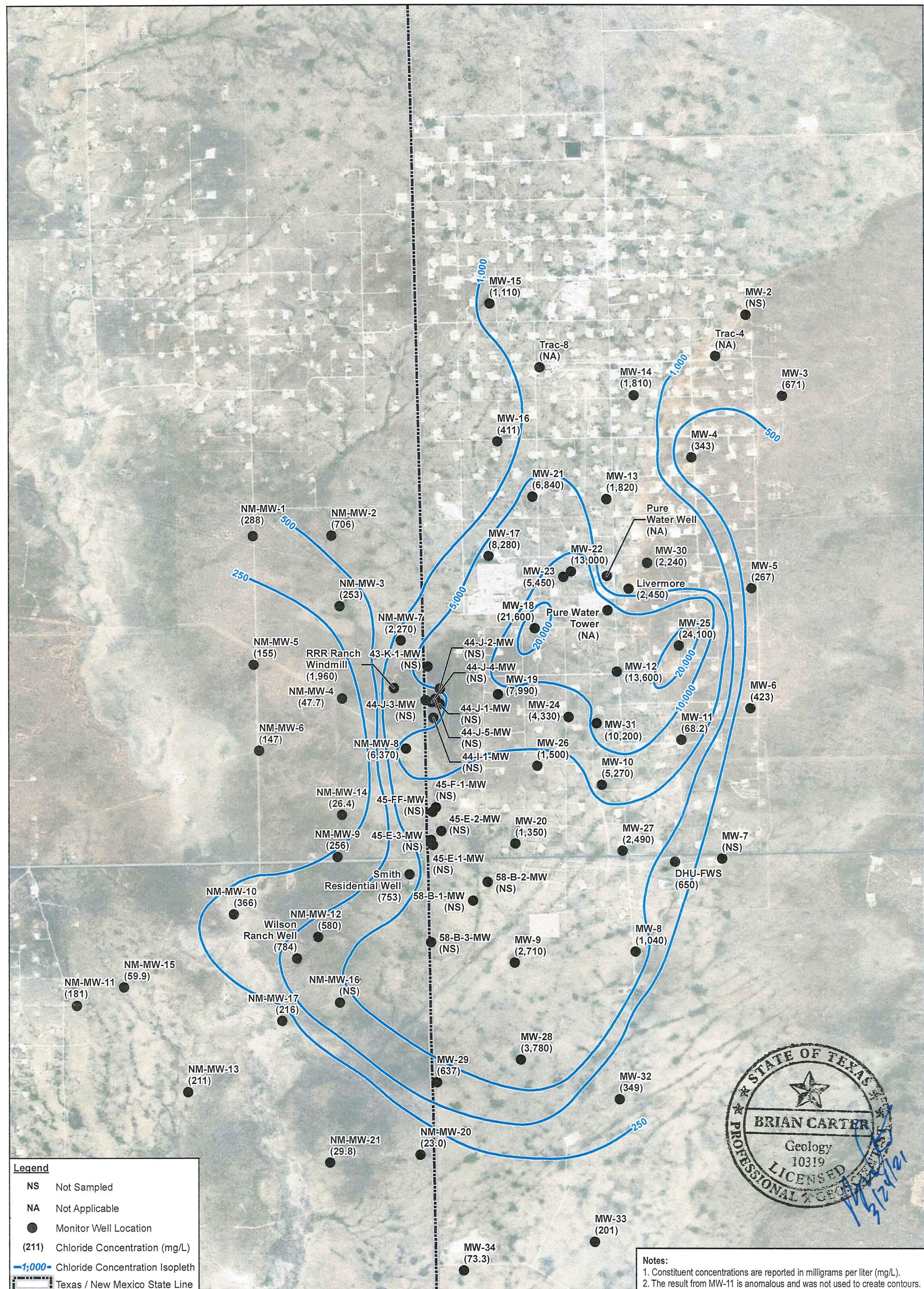
055270
Mar 10, 2021

FIGURE 5



Source: ESRI World Imagery Basemap Service.

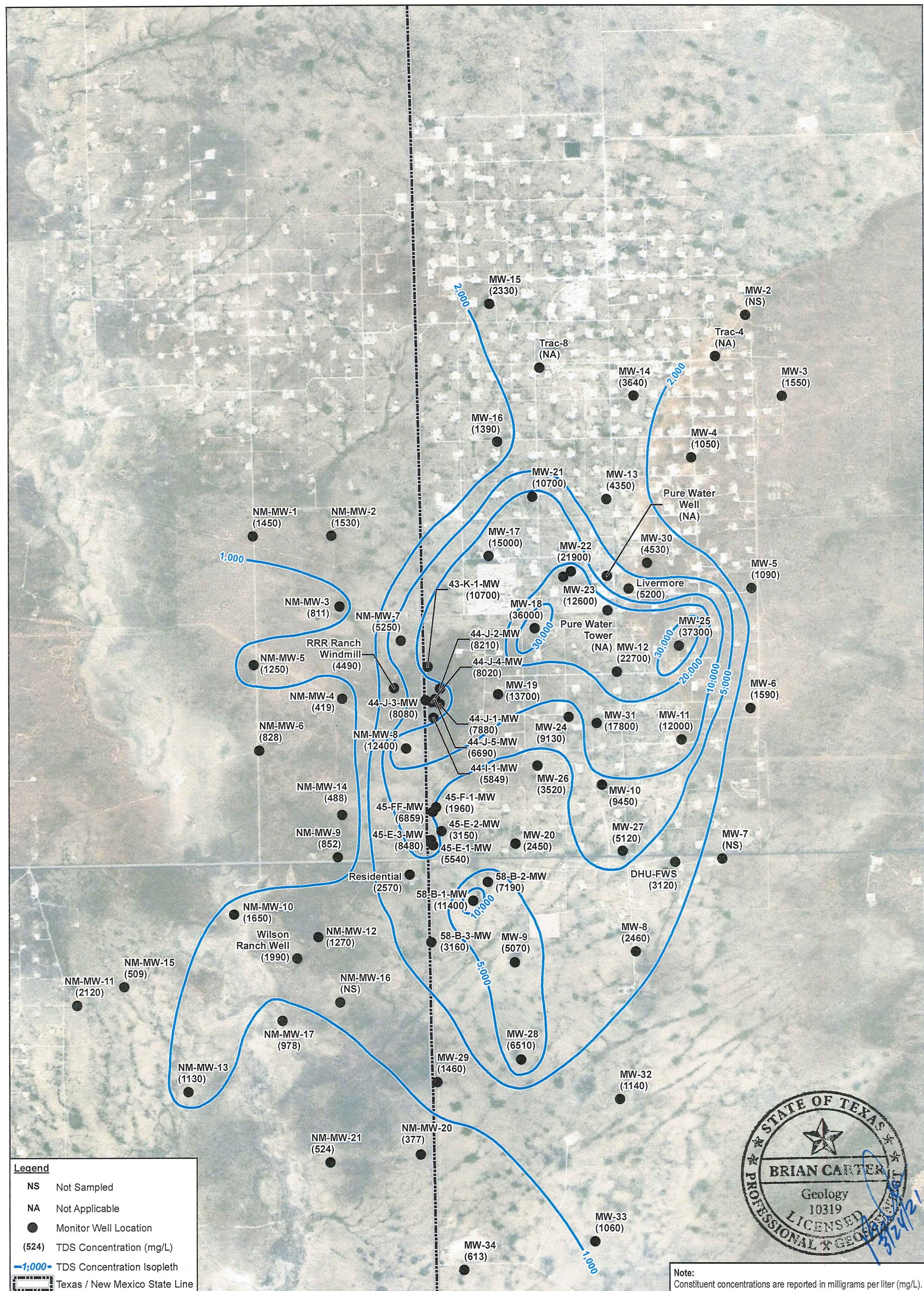
0 1,500 3,000
Feet

Coordinate System:
NAD 1983 UTM Zone 13N

CHEVRON ENVIRONMENTAL MANAGEMENT COMPANY
ANDREWS COUNTY, TEXAS
DOLLARHIDE OIL FIELD UNIT
OCTOBER 2020 GROUNDWATER CHLORIDE
CONCENTRATIONS & ISOPLLETHS

055270
Mar 10, 2021

FIGURE 6



Source: ESRI World Imagery Basemap Service.

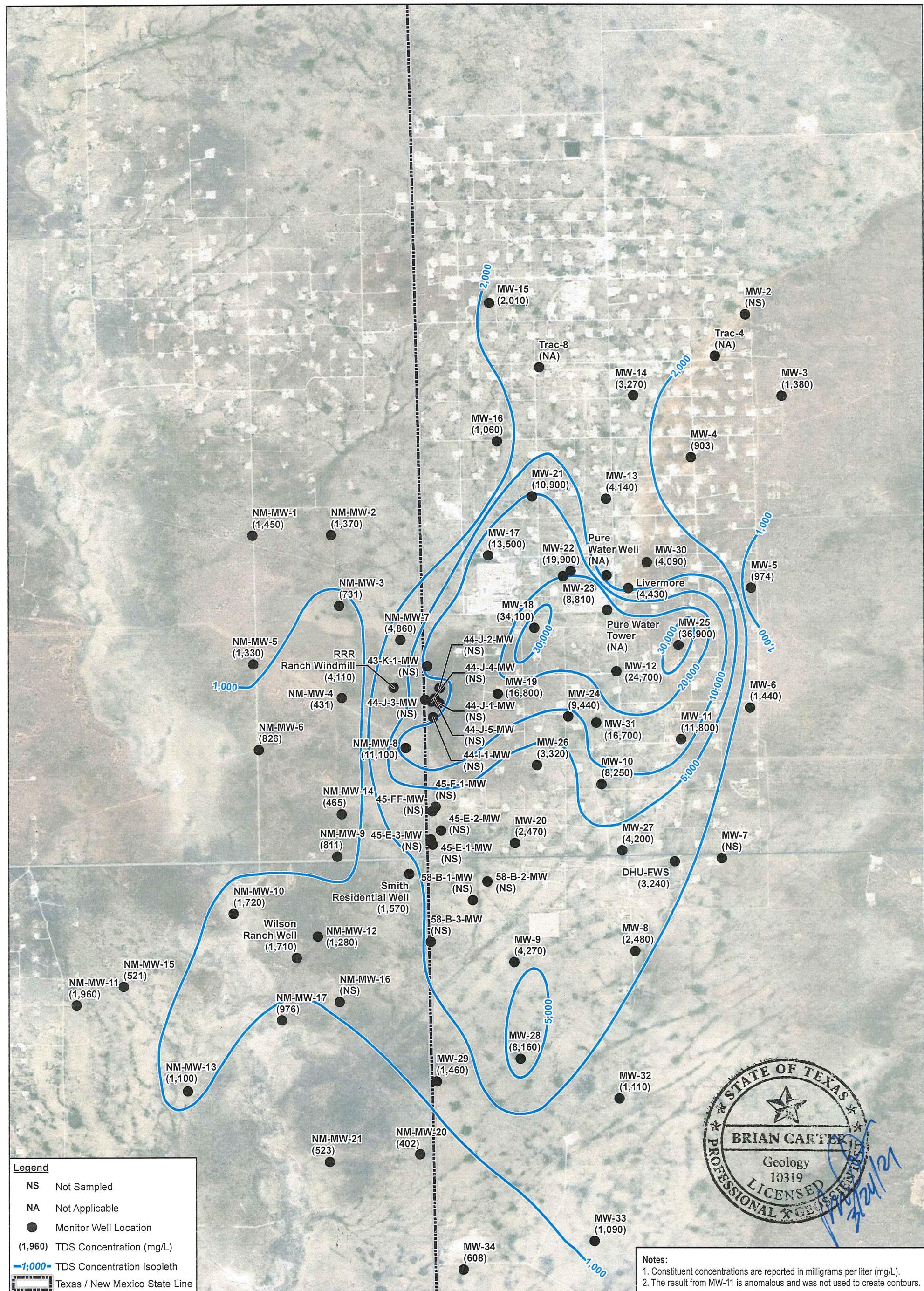
0 1,500 3,000
Feet

Coordinate System:
NAD 1983 UTM Zone 13N

CHEVRON ENVIRONMENTAL MANAGEMENT COMPANY
ANDREWS COUNTY, TEXAS
DOLLARHIDE OIL FIELD UNIT
JULY 2020 GROUNDWATER TOTAL DISSOLVED
SOLIDS (TDS) CONCENTRATIONS & ISOPLETHS

055270
Mar 10, 2021

FIGURE 7



Source: ESRI World Imagery Basemap Service.

0 1,500 3,000
Feet

Coordinate System:
NAD 1983 UTM Zone 13N

CHEVRON ENVIRONMENTAL MANAGEMENT COMPANY
ANDREWS COUNTY, TEXAS
DOLLARHIDE OIL FIELD UNIT
OCTOBER 2020 GROUNDWATER TOTAL DISSOLVED
SOLIDS (TDS) CONCENTRATIONS & ISOPLETHS

055270
Mar 10, 2021

FIGURE 8

Table 1
Groundwater Well Designations
Chevron Dollarhide Unit
Dollarhide, Texas

| Well Group Designation | Well Identification |
|------------------------|----------------------|
| Recovery Wells | 10-V-WW |
| | 10-W-WW |
| | 10-X-WW |
| | 11-U-WW |
| | 12-S-WW |
| | 12-T-WW |
| | 29-Q-WW |
| | 29-R-WW |
| | 30-O-WW |
| | 31-N-WW |
| | 43-K-WW |
| | 43-L-WW |
| | 43-M-WW |
| | 44-H-WW |
| | 44-I-WW |
| | 44-II-WW |
| | 44-J-WW |
| | 45-EE-WW |
| | 45-ER-WW |
| | 45-F-WW |
| | 45-G-WW |
| | 58-A-WW |
| | 58-B-WW |
| | 58-BB-WW |
| | 58-C-WW |
| | 58-D-WW |
| Monitor Wells | 43-K-1-MW |
| | 44-I-1-MW |
| | 44-J-1-MW |
| | 44-J-2-MW |
| | 44-J-3-MW |
| | 44-J-4-MW |
| | 44-J-5-MW |
| | 45-E-1-MW |
| | 45-E-2-MW |
| | 45-E-3-MW |
| | 45-F-1-MW |
| | 45-FF-MW |
| | 58-B-1-MW |
| | 58-B-2-MW |
| | 58-B-3-MW |
| | MW-2 ⁽¹⁾ |
| | MW-3 ⁽¹⁾ |
| | MW-4 ⁽¹⁾ |
| | MW-5 ⁽¹⁾ |
| | MW-6 ⁽¹⁾ |
| | MW-7 ⁽¹⁾ |
| | MW-8 ⁽¹⁾ |
| | MW-9 ⁽¹⁾ |
| | MW-10 ⁽¹⁾ |
| | MW-11 ⁽¹⁾ |
| | MW-12 ⁽¹⁾ |
| | MW-13 ⁽¹⁾ |

Table 1

**Groundwater Well Designations
Chevron Dollarhide Unit
Dollarhide, Texas**

| Well Group Designation | Well Identification |
|-------------------------------|----------------------------|
| Monitor Wells | MW-14 ⁽¹⁾ |
| | MW-15 ⁽¹⁾ |
| | MW-16 ⁽¹⁾ |
| | MW-17 ⁽¹⁾ |
| | MW-18 ⁽¹⁾ |
| | MW-19 ⁽¹⁾ |
| | MW-20 ⁽¹⁾ |
| | MW-21 ⁽¹⁾ |
| | MW-22 ⁽¹⁾ |
| | MW-23 ⁽¹⁾ |
| | MW-24 ⁽¹⁾ |
| | MW-25 ⁽¹⁾ |
| | MW-26 ⁽¹⁾ |
| | MW-27 ⁽¹⁾ |
| | MW-28 ⁽¹⁾ |
| | MW-29 ⁽¹⁾ |
| | MW-30 ⁽¹⁾ |
| | MW-31 ⁽¹⁾ |
| | MW-32 ⁽¹⁾ |
| | MW-33 ⁽¹⁾ |
| | MW-34 ⁽¹⁾ |
| | NM-MW-1 ⁽¹⁾ |
| | NM-MW-2 ⁽¹⁾ |
| | NM-MW-3 ⁽¹⁾ |
| | NM-MW-4 ⁽¹⁾ |
| | NM-MW-5 ⁽¹⁾ |
| | NM-MW-6 ⁽¹⁾ |
| | NM-MW-7 ⁽¹⁾ |
| | NM-MW-8 ⁽¹⁾ |
| | NM-MW-9 ⁽¹⁾ |
| | NM-MW-10 ⁽¹⁾ |
| | NM-MW-11 ⁽¹⁾ |
| | NM-MW-12 ⁽¹⁾ |
| | NM-MW-13 ⁽¹⁾ |
| | NM-MW-14 ⁽¹⁾ |
| | NM-MW-15 ⁽¹⁾ |
| | NM-MW-16 ⁽¹⁾ |
| | NM-MW-17 ⁽¹⁾ |
| | NM-MW-20 ⁽¹⁾ |
| | NM-MW-21 ⁽¹⁾ |
| Non-Remedial Wells | Livermore |
| | Pure Water Tower |
| | Pure Water Well |
| | RRR Ranch Windmill |
| | TRAC-4 |
| | TRAC-8 |
| | Smith Residence |
| | Wilson Ranch Well |

Note:

⁽¹⁾ Indicates monitor wells installed in 2015, 2016, 2017, 2019, and 2020 that are voluntarily sampled quarterly.

Table 2

July 2020 Groundwater Elevation Measurements
Chevron Dollarhide Unit
Andrews County, Texas

| Well Identification | TOC Elevation (ft NAVD) | Depth to Water (ft below TOC) | Groundwater Elevation (ft NAVD) |
|----------------------|-------------------------|-------------------------------|---------------------------------|
| Monitor Wells | | | |
| 43-K-1-MW | NM | 93.85 | NA |
| 44-I-1-MW | 3,138.93 | 95.10 | 3,043.83 |
| 44-J-1-MW | 3,134.50 | 94.87 | 3,039.63 |
| 44-J-2-MW | 3,135.30 | 93.61 | 3,041.69 |
| 44-J-3-MW | 3,140.19 | 95.15 | 3,045.04 |
| 44-J-4-MW | 3,133.69 | 94.13 | 3,039.56 |
| 44-J-5-MW | 3,134.75 | 95.24 | 3,039.51 |
| 45-E-1-MW | NM | 87.16 | NA |
| 45-E-2-MW | NM | 84.62 | NA |
| 45-E-3-MW | NM | 87.66 | NA |
| 45-F-1-MW | NM | 88.99 | NA |
| 45-FF-MW | 3,122.70 | 89.43 | 3,033.27 |
| 58-B-1-MW | 3,100.59 | 85.33 | 3,015.26 |
| 58-B-2-MW | 3,111.91 | 84.36 | 3,027.55 |
| 58-B-3-MW | 3,108.46 | 89.14 | 3,019.32 |
| MW-2 | 3,204.56 | DRY | NA |
| MW-3 | 3,199.51 | 113.28 | 3,086.23 |
| MW-4 | 3,189.69 | 115.80 | 3,073.89 |
| MW-5 | 3,174.43 | 103.05 | 3,071.38 |
| MW-6 | 3,165.25 | 94.03 | 3,071.22 |
| MW-7 | 3,132.14 | DRY | NA |
| MW-8 | 3,107.34 | 84.23 | 3,023.11 |
| MW-9 | 3,103.82 | 84.85 | 3,018.97 |
| MW-10 | 3,139.71 | 97.14 | 3,042.57 |
| MW-11 | 3,156.65 | 102.44 | 3,054.21 |
| MW-12 | 3,151.33 | 94.85 | 3,056.48 |
| MW-13 | 3,168.41 | 98.95 | 3,069.46 |
| MW-14 | 3,182.69 | 107.02 | 3,075.67 |
| MW-15 | 3,184.55 | 104.43 | 3,080.12 |
| MW-16 | 3,167.93 | 99.72 | 3,068.21 |
| MW-17 | 3,147.44 | 84.28 | 3,063.16 |
| MW-18 | 3,155.01 | 95.81 | 3,059.20 |
| MW-19 | 3,149.90 | 99.48 | 3,050.42 |
| MW-20 | 3,120.09 | 88.07 | 3,032.02 |
| MW-21 | 3,159.65 | 92.72 | 3,066.93 |
| MW-22 | 3,152.50 | 87.99 | 3,064.51 |
| MW-23 | 3,151.66 | 87.21 | 3,064.45 |
| MW-24 | 3,144.88 | 95.10 | 3,049.78 |
| MW-25 | 3,165.45 | 103.44 | 3,062.01 |
| MW-26 | 3,136.99 | 93.66 | 3,043.33 |

Table 2

July 2020 Groundwater Elevation Measurements
Chevron Dollarhide Unit
Andrews County, Texas

| Well Identification | TOC Elevation (ft NAVD) | Depth to Water (ft below TOC) | Groundwater Elevation (ft NAVD) |
|---------------------------|-------------------------|-------------------------------|---------------------------------|
| MW-27 | 3,126.99 | 91.35 | 3,035.64 |
| MW-28 | 3,093.86 | 83.95 | 3,009.91 |
| MW-29 | 3,098.60 | 100.29 | 2,998.31 |
| MW-30 | 3,170.95 | 103.73 | 3,067.22 |
| MW-31 | 3,145.41 | 94.48 | 3,050.93 |
| MW-32 | 3,090.28 | 81.41 | 3,008.87 |
| MW-33 | 3,080.02 | 76.99 | 3,003.03 |
| MW-34 | 3,069.95 | 71.49 | 2,998.46 |
| NM-MW-1 | 3,124.90 | 71.70 | 3,053.20 |
| NM-MW-2 | 3,152.86 | 95.90 | 3,056.96 |
| NM-MW-3 | 3,146.86 | 91.40 | 3,055.46 |
| NM-MW-4 | 3,154.21 | 110.13 | 3,044.08 |
| NM-MW-5 | 3,109.14 | 100.01 | 3,009.13 |
| NM-MW-6 | 3,093.23 | 87.84 | 3,005.39 |
| NM-MW-7 | 3,147.67 | 95.52 | 3,052.15 |
| NM-MW-8 | 3,138.62 | 97.54 | 3,041.08 |
| NM-MW-9 | 3,118.18 | 93.83 | 3,024.35 |
| NM-MW-10 | 3,066.32 | 79.61 | 2,986.71 |
| NM-MW-11 | 3,075.44 | 82.54 | 2,992.90 |
| NM-MW-12 | 3,105.47 | 96.64 | 3,008.83 |
| NM-MW-13 | 3,051.17 | 84.44 | 2,966.73 |
| NM-MW-14 | 3,126.82 | 95.82 | 3,031.00 |
| NM-MW-15 | 3,064.93 | 86.66 | 2,978.27 |
| NM-MW-16 | 3,085.99 | DRY | NA |
| NM-MW-17 | 3,035.70 | 58.43 | 2,977.27 |
| NM-MW-20 | 3,091.29 | 93.37 | 2,997.92 |
| NM-MW-21 | 3,047.98 | 76.53 | 2,971.45 |
| Non-Remedial Wells | | | |
| RRR Ranch Windmill | NM | 93.57 | NA |
| Livermore | NM | 95.48 | NA |
| Pure Water Tower | 3,154.43 | NM | NA |
| TRAC-4 | NM | NM | NA |
| TRAC-8 | NM | NM | NA |
| Pure Water Well | 3,151.80 | NM | NA |
| Smith Residential Well | NM | NM | NA |
| Wilson Ranch | NM | NM | NA |

Notes:

ft = feet

NM = Not Measured

NA = Not Applicable

TOC = top of casing

NAVD = North American Vertical Datum

Table 3

October 2020 Groundwater Elevation Measurements
Chevron Dollarhide Unit
Andrews County, Texas

| Well Identification | TOC Elevation (ft NAVD) | Depth to Water (ft below TOC) | Groundwater Elevation (ft NAVD) |
|----------------------|-------------------------|-------------------------------|---------------------------------|
| Monitor Wells | | | |
| MW-2 | 3,204.56 | DRY | NA |
| MW-3 | 3,199.51 | 113.30 | 3,086.21 |
| MW-4 | 3,189.69 | 115.85 | 3,073.84 |
| MW-5 | 3,174.43 | 103.09 | 3,071.34 |
| MW-6 | 3,165.25 | 94.17 | 3,071.08 |
| MW-7 | 3,132.14 | DRY | NA |
| MW-8 | 3,107.34 | 84.26 | 3,023.08 |
| MW-9 | 3,103.82 | 84.82 | 3,019.00 |
| MW-10 | 3,139.71 | 97.19 | 3,042.52 |
| MW-11 | 3,156.65 | 102.54 | 3,054.11 |
| MW-12 | 3,151.33 | 94.97 | 3,056.36 |
| MW-13 | 3,168.41 | 99.01 | 3,069.40 |
| MW-14 | 3,182.69 | 107.05 | 3,075.64 |
| MW-15 | 3,184.55 | 104.44 | 3,080.11 |
| MW-16 | 3,167.93 | 99.73 | 3,068.20 |
| MW-17 | 3,147.44 | 84.36 | 3,063.08 |
| MW-18 | 3,155.01 | 95.96 | 3,059.05 |
| MW-19 | 3,149.90 | 99.58 | 3,050.32 |
| MW-20 | 3,120.09 | 88.09 | 3,032.00 |
| MW-21 | 3,159.65 | 92.78 | 3,066.87 |
| MW-22 | 3,152.50 | 88.04 | 3,064.46 |
| MW-23 | 3,151.66 | 87.26 | 3,064.40 |
| MW-24 | 3,144.88 | 95.24 | 3,049.64 |
| MW-25 | 3,165.45 | 103.49 | 3,061.96 |
| MW-26 | 3,136.99 | 93.74 | 3,043.25 |
| MW-27 | 3,126.99 | 91.39 | 3,035.60 |
| MW-28 | 3,093.86 | 83.94 | 3,009.92 |
| MW-29 | 3,098.60 | 100.26 | 2,998.34 |
| MW-30 | 3,170.95 | 103.78 | 3,067.17 |
| MW-31 | 3,145.41 | 94.63 | 3,050.78 |
| MW-32 | 3,090.28 | 81.46 | 3,008.82 |
| MW-33 | 3,080.02 | 77.07 | 3,002.95 |
| MW-34 | 3,069.95 | 71.53 | 2,998.42 |

Table 3

October 2020 Groundwater Elevation Measurements
Chevron Dollarhide Unit
Andrews County, Texas

| Well Identification | TOC Elevation (ft NAVD) | Depth to Water (ft below TOC) | Groundwater Elevation (ft NAVD) |
|----------------------------|--------------------------------|--------------------------------------|--|
| NM-MW-1 | 3,124.90 | 71.84 | 3,053.06 |
| NM-MW-2 | 3,152.86 | 95.94 | 3,056.92 |
| NM-MW-3 | 3,146.86 | 91.43 | 3,055.43 |
| NM-MW-4 | 3,154.21 | 110.09 | 3,044.12 |
| NM-MW-5 | 3,109.14 | 100.10 | 3,009.04 |
| NM-MW-6 | 3,093.23 | 87.92 | 3,005.31 |
| NM-MW-7 | 3,147.67 | 95.53 | 3,052.14 |
| NM-MW-8 | 3,138.62 | 97.49 | 3,041.13 |
| NM-MW-9 | 3,118.18 | 93.80 | 3,024.38 |
| NM-MW-10 | 3,066.32 | 79.61 | 2,986.71 |
| NM-MW-11 | 3,075.44 | 82.85 | 2,992.59 |
| NM-MW-12 | 3,105.47 | 96.61 | 3,008.86 |
| NM-MW-13 | 3,051.17 | 84.49 | 2,966.68 |
| NM-MW-14 | 3,126.82 | 95.85 | 3,030.97 |
| NM-MW-15 | 3,064.93 | 87.71 | 2,977.22 |
| NM-MW-16 | 3,085.99 | 93.06 | 2,992.93 |
| NM-MW-17 | 3,035.70 | 58.52 | 2,977.18 |
| NM-MW-20 | 3,091.29 | 93.39 | 2,997.90 |
| NM-MW-21 | 3,047.98 | 76.57 | 2,971.41 |
| Non-Remedial Wells | | | |
| RRR Ranch Windmill | NM | 93.55 | NA |
| Livermore | NM | 95.52 | NA |
| Pure Water Tower | 3,154.43 | NM | NA |
| TRAC-4 | NM | NM | NA |
| TRAC-8 | NM | NM | NA |
| Pure Water Well | 3,151.80 | NM | NA |
| Smith Residential Well | NM | NM | NA |
| Wilson Ranch | NM | NM | NA |

Notes:

ft = feet

NM = Not Measured

NA = Not Applicable

TOC = top of casing

NAVD = North American Vertical Datum

Table 4

Second Half 2020 Groundwater Analytical Results Summary
Chevron Dollarhide Unit
Andrews County, Texas

| Sample ID | July | | October | |
|---|--------------------|----------------------------------|--------------------|----------------------------------|
| | Chloride (mg/L) | Total Dissolved Solids (mg/L) | Chloride (mg/L) | Total Dissolved Solids (mg/L) |
| TCEQ Secondary Drinking Water Standards (mg/L) | 300 | 1,000 | 300 | 1,000 |
| Monitor Wells | | | | |
| 43-K-1-MW | 7,440 | 10,700 | NS | NS |
| 44-I-1-MW | 3,660 | 5,840 | NS | NS |
| 44-J-1-MW | 4,770 | 7,880 | NS | NS |
| 44-J-2-MW | 5,120 | 8,210 | NS | NS |
| 44-J-3-MW | 4,920 | 8,080 | NS | NS |
| 44-J-4-MW | 4,450 | 8,020 | NS | NS |
| 44-J-5-MW | 4,190 | 6,690 | NS | NS |
| 45-E-1-MW | 3,100 | 5,540 | NS | NS |
| 45-E-2-MW | 1,750 | 3,150 | NS | NS |
| 45-E-3-MW | 5,690 | 8,480 | NS | NS |
| 45-F-1-MW | 1,130 | 1,960 | NS | NS |
| 45-FF-MW | 4,120 | 6,850 | NS | NS |
| 58-B-1-MW | 7,160 | 11,400 | NS | NS |
| 58-B-2-MW | 4,040 | 7,190 | NS | NS |
| 58-B-3-MW | 1,640 | 3,160 | NS | NS |
| MW-2 | NS | NS | NS | NS |
| MW-3 | 648 | 1,550 | 671 | 1,380 |
| MW-4 | 352 | 1,050 | 343 | 903 |
| MW-5 | 267 | 1,090 | 267 | 974 |
| MW-6 | 417 | 1,590 | 423 | 1,440 |
| MW-7 | NS | NS | NS | NS |
| MW-8 | 1,010 | 2,460 | 1,040 | 2,480 |
| MW-9 | 2,700 | 5,070 | 2,710 | 4,270 |
| MW-10 | 5,130 | 9,450 | 5,270 | 8,250 |
| MW-11 | 6,240 | 12,000 | 68.2 | 11,800 |
| MW-12 | 12,700 | 22,700 | 13,600 | 24,700 |
| MW-13 | 1,750 | 4,350 | 1,820 | 4,140 |
| MW-14 | 1,760 | 3,640 | 1,810 | 3,270 |
| MW-15 | 1,110 | 2,330 | 1,110 | 2,010 |
| MW-16 | 505 | 1,390 | 411 | 1,060 |
| MW-17 | 7,450 | 15,000 | 8,280 | 13,500 |
| MW-18 | 21,400 | 36,000 | 21,600 | 34,100 |
| MW-19 | 7,880 | 13,700 | 7,990 | 16,800 |
| MW-20 | 1,320 | 2,450 | 1,350 | 2,470 |
| MW-21 | 5,850 | 10,700 | 6,840 | 10,900 |
| MW-22 | 10,100 | 21,900 | 13,000 | 19,900 |
| MW-23 | 6,060 | 12,600 | 5,450 | 8,810 |
| MW-24 | 4,430 | 9,130 | 4,330 | 9,440 |
| MW-25 | 26,100 | 37,300 | 24,100 | 36,900 |
| MW-26 | 1,480 | 3,520 | 1,500 | 3,320 |

Table 4

Second Half 2020 Groundwater Analytical Results Summary
Chevron Dollarhide Unit
Andrews County, Texas

| Sample ID | July | | October | |
|---|--------------------|----------------------------------|--------------------|----------------------------------|
| | Chloride (mg/L) | Total Dissolved Solids (mg/L) | Chloride (mg/L) | Total Dissolved Solids (mg/L) |
| TCEQ Secondary Drinking Water Standards (mg/L) | 300 | 1,000 | 300 | 1,000 |
| MW-27 | 2,950 | 5,120 | 2,490 | 4,200 |
| MW-28 | 3,370 | 6,510 | 3,780 | 8,160 |
| MW-29 | 563 | 1,460 | 637 | 1,460 |
| MW-30 | 2,290 | 4,530 | 2,240 | 4,090 |
| MW-31 | 8,890 | 17,800 | 10,200 | 16,700 |
| MW-32 | 321 | 1,140 | 349 | 1,110 |
| MW-33 | 196 | 1,060 | 201 | 1,090 |
| MW-34 | 71.3 | 613 | 73.3 | 608 |
| NM-MW-1 | 293 | 1,450 | 288 | 1,450 |
| NM-MW-2 | 696 | 1,530 | 706 | 1,370 |
| NM-MW-3 | 261 | 811 | 253 | 731 |
| NM-MW-4 | 46.9 | 419 | 47.7 | 431 |
| NM-MW-5 | 162 | 1,250 | 155 | 1,330 |
| NM-MW-6 | 152 | 828 | 147 | 826 |
| NM-MW-7 | 2,360 | 5,250 | 2,270 | 4,860 |
| NM-MW-8 | 6,540 | 12,400 | 6,370 | 11,100 |
| NM-MW-9 | 271 | 852 | 256 | 811 |
| NM-MW-10 | 366 | 1,650 | 366 | 1,720 |
| NM-MW-11 | 178 | 2,120 | 181 | 1,960 |
| NM-MW-12 | 589 | 1,270 | 580 | 1,280 |
| NM-MW-13 | 212 | 1,130 | 211 | 1,100 |
| NM-MW-14 | 25.0 | 488 | 26.4 | 465 |
| NM-MW-15 | 57.3 | 509 | 59.9 | 521 |
| NM-MW-16 | NS | NS | NS | NS |
| NM-MW-17 | 211 | 978 | 216 | 976 |
| NM-MW-20 | 22.2 | 377 | 23.0 | 402 |
| NM-MW-21 | 28.8 | 524 | 29.8 | 523 |
| Non-Remedial Wells | | | | |
| Livermore | 2,440 | 5,200 | 2,450 | 4,430 |
| Pure Water Tower | NA | NA | NA | NA |
| Pure Water Well | NA | NA | NA | NA |
| RRR Ranch Windmill | 1,930 | 4,490 | 1,960 | 4,110 |
| Smith Residential Well | 1,310 | 2,570 | 753 | 1,570 |
| TRAC-4 | NA | NA | NA | NA |
| TRAC-8 | NA | NA | NA | NA |
| Wilson Ranch | 1,030 | 1,990 | 784 | 1,710 |
| DHU-FWS | 628 | 3,120 | 650 | 3,240 |

Notes:

- Constituent concentrations are reported in milligrams per liter (mg/L).
 - Bold font indicates that a detected result was above the TCEQ Secondary Drinking Water
- NA = Not Applicable
 NS = Not Sampled

Appendices

Appendix A

Historical Groundwater Elevations

Appendix A

Historical Groundwater Elevation Measurements
Chevron Dollarhide Unit
Dollarhide, Texas

| TOC Elevation (ft NAVD) | Date | Total Depth (ft below TOC) | Depth to Water (ft below TOC) | Depth to LNAPL (ft below TOC) | LNAPL Thickness (ft) | Groundwater Elevation (ft NAVD) ⁽¹⁾ |
|-------------------------------|----------|-------------------------------|----------------------------------|----------------------------------|-------------------------|--|
| Monitor Wells | | | | | | |
| 43-K-1-MW | | | | | | |
| NM | 02/28/07 | NM | 94.85 | NA | NA | NA |
| | 01/22/08 | 112.95 | 95.26 | NA | NA | NA |
| | 07/07/08 | NM | 95.33 | NA | NA | NA |
| | 08/26/09 | 114.28 | 95.69 | NA | NA | NA |
| | 01/28/09 | 112.95 | 95.32 | NA | NA | NA |
| | 08/16/10 | NM | 95.40 | NA | NA | NA |
| | 02/11/11 | 112.00 | 95.45 | NA | NA | NA |
| | 08/02/11 | 112.91 | 94.79 | NA | NA | NA |
| | 01/30/13 | 112.90 | 95.23 | NA | NA | NA |
| | 01/13/14 | 112.96 | 92.33 | NA | NA | NA |
| | 07/14/14 | NM | 95.29 | NA | NA | NA |
| | 01/12/15 | NM | 95.21 | NA | NA | NA |
| | 07/14/15 | NM | 95.00 | NA | NA | NA |
| | 01/25/16 | 116.47 | 94.90 | NA | NA | NA |
| | 07/20/16 | NM | 94.87 | NA | NA | NA |
| | 01/11/17 | NM | 94.82 | NA | NA | NA |
| | 07/13/17 | NM | 95.00 | NA | NA | NA |
| | 01/12/18 | NM | 94.61 | NA | NA | NA |
| | 07/02/18 | NM | 94.47 | NA | NA | NA |
| | 01/07/19 | NM | 94.20 | NA | NA | NA |
| | 07/11/19 | 112.89 | 94.16 | NA | NA | NA |
| | 01/15/20 | NM | 93.99 | NA | NA | NA |
| | 07/07/20 | 112.89 | 93.85 | NA | NA | NA |
| 44-I-1-MW | | | | | | |
| 3,133.50 | 06/13/06 | 108.25 | 93.55 | NA | NA | 3,039.95 |
| | 08/15/06 | 110.00 | 96.85 | NA | NA | 3,036.65 |
| | 09/13/06 | 106.38 | 96.91 | NA | NA | 3,036.59 |
| | 09/20/06 | 110.00 | 96.72 | NA | NA | 3,036.78 |
| | 10/04/06 | 110.00 | 96.94 | NA | NA | 3,036.56 |
| | 12/08/06 | 111.05 | 97.09 | NA | NA | 3,036.41 |
| | 02/13/07 | 108.25 | 96.85 | NA | NA | 3,036.65 |
| | 02/28/07 | NM | 96.85 | NA | NA | 3,036.65 |
| | 07/30/07 | 108.25 | 96.88 | NA | NA | 3,036.62 |
| | 01/22/08 | 108.25 | 97.05 | NA | NA | 3,036.45 |
| | 07/09/08 | 108.25 | 97.13 | NA | NA | 3,036.37 |
| | 01/28/09 | 108.25 | 97.46 | NA | NA | 3,036.04 |
| | 08/27/09 | 106.20 | 97.57 | NA | NA | 3,035.93 |
| | 02/19/10 | NM | 97.31 | NA | NA | 3,036.19 |
| | 08/16/10 | NM | 97.30 | NA | NA | 3,036.20 |
| | 02/11/11 | NM | 96.68 | NA | NA | 3,036.82 |
| | 08/02/11 | 106.70 | 96.17 | NA | NA | 3,037.33 |
| | 08/15/12 | 106.65 | 96.21 | NA | NA | 3,037.29 |
| | 01/30/13 | 106.26 | 95.97 | NA | NA | 3,037.53 |
| | 07/30/13 | 106.65 | 96.18 | NA | NA | 3,037.32 |
| | 01/13/14 | 106.65 | 96.21 | NA | NA | 3,037.29 |
| | 07/14/14 | 111.17 | 95.85 | NA | NA | 3,037.65 |
| | 01/12/15 | NM | 96.27 | NA | NA | 3,037.23 |
| | 07/14/15 | NM | 95.91 | NA | NA | 3,037.59 |
| 3,138.93 | 01/25/16 | 106.94 | 95.96 | NA | NA | 3,042.97 |
| | 07/20/16 | NM | 96.10 | NA | NA | 3,042.83 |
| | 01/12/17 | NM | 95.84 | NA | NA | 3,043.09 |
| | 07/13/17 | NM | 96.03 | NA | NA | 3,042.90 |
| | 01/12/18 | NM | 95.64 | NA | NA | 3,043.29 |
| | 07/02/18 | NM | 95.94 | NA | NA | 3,042.99 |
| | 01/09/19 | NM | 95.82 | NA | NA | 3,043.11 |
| | 07/11/19 | 106.21 | 95.53 | NA | NA | 3,043.40 |
| | 01/14/20 | NM | 95.39 | NA | NA | 3,043.54 |
| | 07/09/20 | 106.12 | 95.10 | NA | NA | 3,043.83 |

Appendix A

Historical Groundwater Elevation Measurements
Chevron Dollarhide Unit
Dollarhide, Texas

| TOC Elevation (ft NAVD) | Date | Total Depth (ft below TOC) | Depth to Water (ft below TOC) | Depth to LNAPL (ft below TOC) | LNAPL Thickness (ft) | Groundwater Elevation (ft NAVD) ⁽¹⁾ |
|-------------------------------|----------|-------------------------------|----------------------------------|----------------------------------|-------------------------|--|
| 44-J-1-MW | | | | | | |
| 3,134.50 | 06/13/06 | 111.04 | 96.31 | NA | NA | 3,038.19 |
| | 07/13/06 | 111.04 | 96.38 | NA | NA | 3,038.12 |
| | 08/15/06 | 111.00 | 96.53 | NA | NA | 3,037.97 |
| | 09/13/06 | 110.00 | 96.54 | NA | NA | 3,037.96 |
| | 09/20/06 | 111.00 | 96.40 | NA | NA | 3,038.10 |
| | 10/04/06 | 111.00 | 96.64 | NA | NA | 3,037.86 |
| | 12/08/06 | 111.97 | 97.41 | NA | NA | 3,037.09 |
| | 02/13/07 | 111.04 | 96.39 | NA | NA | 3,038.11 |
| | 02/28/07 | NM | 96.39 | NA | NA | 3,038.11 |
| | 07/30/07 | 111.04 | 96.51 | NA | NA | 3,037.99 |
| | 01/22/08 | 111.04 | 96.86 | NA | NA | 3,037.64 |
| | 07/09/08 | 111.04 | 96.90 | NA | NA | 3,037.60 |
| | 01/28/09 | 111.04 | 97.21 | NA | NA | 3,037.29 |
| | 08/28/09 | 110.40 | 97.27 | NA | NA | 3,037.23 |
| | 08/16/10 | NM | 96.82 | NA | NA | 3,037.68 |
| | 02/11/11 | NM | 96.42 | NA | NA | 3,038.08 |
| | 08/02/11 | 110.72 | 95.90 | NA | NA | 3,038.60 |
| | 08/15/12 | 110.04 | 96.03 | NA | NA | 3,038.47 |
| | 01/30/13 | 110.69 | 95.79 | NA | NA | 3,038.71 |
| | 07/30/13 | 110.80 | 95.92 | NA | NA | 3,038.58 |
| | 01/13/14 | 110.81 | 95.96 | NA | NA | 3,038.54 |
| | 07/14/14 | 110.76 | 95.91 | NA | NA | 3,038.59 |
| | 01/12/15 | NM | 96.01 | NA | NA | 3,038.49 |
| | 01/25/16 | NM | 95.72 | NA | NA | 3,038.78 |
| | 07/20/16 | NM | 95.85 | NA | NA | 3,038.65 |
| | 01/12/17 | NM | 95.60 | NA | NA | 3,038.90 |
| | 07/13/17 | NM | 95.80 | NA | NA | 3,038.70 |
| | 01/12/18 | NM | 95.41 | NA | NA | 3,039.09 |
| | 07/02/18 | NM | 95.70 | NA | NA | 3,038.80 |
| | 01/09/19 | NM | 95.57 | NA | NA | 3,038.93 |
| | 07/11/19 | 110.59 | 95.29 | NA | NA | 3,039.21 |
| | 01/14/20 | NM | 95.15 | NA | NA | 3,039.35 |
| | 07/09/20 | 110.52 | 94.87 | NA | NA | 3,039.63 |
| 44-J-2-MW | | | | | | |
| 3,135.30 | 06/13/06 | 109.87 | 91.83 | NA | NA | 3,043.47 |
| | 07/13/06 | 109.87 | 94.82 | NA | NA | 3,040.48 |
| | 08/15/06 | 110.00 | 94.97 | NA | NA | 3,040.33 |
| | 09/13/06 | 110.00 | 95.01 | NA | NA | 3,040.29 |
| | 09/20/06 | 110.00 | 94.97 | NA | NA | 3,040.33 |
| | 10/04/06 | 110.00 | 96.56 | NA | NA | 3,038.74 |
| | 12/08/06 | 114.32 | 95.14 | NA | NA | 3,040.16 |
| | 02/13/07 | 109.87 | 94.68 | NA | NA | 3,040.62 |
| | 02/28/07 | NM | 94.68 | NA | NA | 3,040.62 |
| | 07/30/07 | 109.87 | 94.82 | NA | NA | 3,040.48 |
| | 01/22/08 | 109.87 | 95.04 | NA | NA | 3,040.26 |
| | 07/09/08 | 109.87 | 95.10 | NA | NA | 3,040.20 |
| | 01/28/09 | 109.87 | 95.29 | NA | NA | 3,040.01 |
| | 08/28/09 | 109.00 | 95.37 | NA | NA | 3,039.93 |
| | 02/19/10 | NM | 94.56 | NA | NA | 3,040.74 |
| | 08/16/10 | NM | 95.04 | NA | NA | 3,040.26 |
| | 02/11/11 | NM | 94.99 | NA | NA | 3,040.31 |
| | 08/02/11 | 108.75 | 94.48 | NA | NA | 3,040.82 |
| | 08/15/12 | 108.80 | 94.99 | NA | NA | 3,040.31 |
| | 01/30/13 | 108.90 | 94.57 | NA | NA | 3,040.73 |
| | 07/30/13 | 109.00 | 94.61 | NA | NA | 3,040.69 |
| | 01/13/14 | 109.03 | 94.56 | NA | NA | 3,040.74 |
| | 07/14/14 | 109.02 | 94.65 | NA | NA | 3,040.65 |
| | 01/12/15 | NM | 94.68 | NA | NA | 3,040.62 |
| | 07/14/15 | NM | 94.43 | NA | NA | 3,040.87 |
| | 01/25/16 | 109.01 | 94.39 | NA | NA | 3,040.91 |
| | 07/20/16 | NM | 94.45 | NA | NA | 3,040.85 |
| | 01/12/17 | NM | 94.30 | NA | NA | 3,041.00 |
| | 07/13/17 | NM | 94.48 | NA | NA | 3,040.82 |
| | 01/12/18 | NM | 94.15 | NA | NA | 3,041.15 |
| | 07/02/18 | NM | 94.31 | NA | NA | 3,040.99 |
| | 01/09/19 | NM | 94.14 | NA | NA | 3,041.16 |
| | 07/11/19 | 108.70 | 93.94 | NA | NA | 3,041.36 |
| | 01/14/20 | NM | 93.85 | NA | NA | 3,041.45 |
| | 07/09/20 | 108.67 | 93.61 | NA | NA | 3,041.69 |

Appendix A

Historical Groundwater Elevation Measurements
Chevron Dollarhide Unit
Dollarhide, Texas

| TOC Elevation (ft NAVD) | Date | Total Depth (ft below TOC) | Depth to Water (ft below TOC) | Depth to LNAPL (ft below TOC) | LNAPL Thickness (ft) | Groundwater Elevation (ft NAVD) ⁽¹⁾ |
|-------------------------------|----------|-------------------------------|----------------------------------|----------------------------------|-------------------------|--|
| 44-J-3-MW | | | | | | |
| 3,135.25 | 07/13/06 | 113.00 | 96.77 | NA | NA | 3,038.48 |
| | 08/07/06 | 113.00 | 96.94 | NA | NA | 3,038.31 |
| | 08/15/06 | 113.00 | 96.98 | NA | NA | 3,038.27 |
| | 09/13/06 | 113.00 | 97.01 | NA | NA | 3,038.24 |
| | 09/20/06 | 113.00 | 95.96 | NA | NA | 3,039.29 |
| | 10/04/06 | 113.00 | 97.10 | NA | NA | 3,038.15 |
| | 12/08/06 | 120.40 | 97.04 | NA | NA | 3,038.21 |
| | 01/22/08 | 114.55 | 97.63 | NA | NA | 3,037.62 |
| | 08/28/09 | 114.60 | 97.97 | NA | NA | 3,037.28 |
| | 02/19/10 | NM | 97.21 | NA | NA | 3,038.04 |
| | 08/16/10 | NM | 97.20 | NA | NA | 3,038.05 |
| | 02/11/11 | 110.00 | 96.74 | NA | NA | 3,038.51 |
| | 08/02/11 | 114.71 | 96.27 | NA | NA | 3,038.98 |
| | 01/30/13 | 114.83 | 96.17 | NA | NA | 3,039.08 |
| | 07/30/13 | 114.55 | 96.22 | NA | NA | 3,039.03 |
| | 01/13/14 | 114.55 | 96.25 | NA | NA | 3,039.00 |
| | 07/14/14 | 114.51 | 96.23 | NA | NA | 3,039.02 |
| | 01/12/15 | NM | 96.30 | NA | NA | 3,038.95 |
| | 07/14/15 | NM | 96.01 | NA | NA | 3,039.24 |
| 3,140.19 | 01/25/16 | 114.59 | 96.02 | NA | NA | 3,044.17 |
| | 07/20/16 | NM | 96.03 | NA | NA | 3,044.16 |
| | 01/13/17 | NM | 95.94 | NA | NA | 3,044.25 |
| | 07/13/17 | NM | 96.05 | NA | NA | 3,044.14 |
| | 01/12/18 | NM | 95.72 | NA | NA | 3,044.47 |
| | 07/02/18 | NM | 95.87 | NA | NA | 3,044.32 |
| | 01/09/19 | NM | 95.66 | NA | NA | 3,044.53 |
| | 07/11/19 | 114.35 | 95.49 | NA | NA | 3,044.70 |
| | 01/14/20 | NM | 95.39 | NA | NA | 3,044.80 |
| | 07/09/20 | 114.42 | 95.15 | NA | NA | 3,045.04 |
| 44-J-4-MW | | | | | | |
| 3,133.69 | 07/13/06 | 111.00 | 95.79 | NA | NA | 3,037.90 |
| | 08/07/06 | 111.00 | 95.97 | NA | NA | 3,037.72 |
| | 08/15/06 | 111.00 | 96.02 | NA | NA | 3,037.67 |
| | 09/13/06 | 111.00 | 96.04 | NA | NA | 3,037.65 |
| | 09/20/06 | 111.00 | 96.00 | NA | NA | 3,037.69 |
| | 10/04/06 | 111.00 | 96.11 | NA | NA | 3,037.58 |
| | 12/08/06 | 115.05 | 96.09 | NA | NA | 3,037.60 |
| | 01/22/08 | 113.40 | 96.77 | NA | NA | 3,036.92 |
| | 08/27/09 | 113.20 | 97.09 | NA | NA | 3,036.60 |
| | 02/19/10 | NM | 96.26 | NA | NA | 3,037.43 |
| | 08/16/10 | NM | 96.23 | NA | NA | 3,037.46 |
| | 02/11/11 | 110.00 | 95.74 | NA | NA | 3,037.95 |
| | 08/02/11 | 113.43 | 95.22 | NA | NA | 3,038.47 |
| | 01/30/13 | 113.25 | 95.14 | NA | NA | 3,038.55 |
| | 07/30/13 | 112.95 | 95.19 | NA | NA | 3,038.50 |
| | 01/13/14 | 112.93 | 95.22 | NA | NA | 3,038.47 |
| | 07/14/14 | 112.94 | 95.21 | NA | NA | 3,038.48 |
| | 01/12/15 | NM | 95.25 | NA | NA | 3,038.44 |
| | 07/14/15 | NM | 94.98 | NA | NA | 3,038.71 |
| | 01/25/16 | 112.98 | 94.98 | NA | NA | 3,038.71 |
| | 07/20/16 | NM | 95.03 | NA | NA | 3,038.66 |
| | 01/12/17 | NM | 94.92 | NA | NA | 3,038.77 |
| | 07/13/17 | NM | 95.03 | NA | NA | 3,038.66 |
| | 01/12/18 | NM | 94.71 | NA | NA | 3,038.98 |
| | 07/02/18 | NM | 94.87 | NA | NA | 3,038.82 |
| | 01/09/19 | NM | 94.62 | NA | NA | 3,039.07 |
| | 07/11/19 | 113.25 | 94.48 | NA | NA | 3,039.21 |
| | 01/14/20 | NM | 94.37 | NA | NA | 3,039.32 |
| | 07/09/20 | 113.30 | 94.13 | NA | NA | 3,039.56 |

Appendix A

Historical Groundwater Elevation Measurements
Chevron Dollarhide Unit
Dollarhide, Texas

| TOC Elevation (ft NAVD) | Date | Total Depth (ft below TOC) | Depth to Water (ft below TOC) | Depth to LNAPL (ft below TOC) | LNAPL Thickness (ft) | Groundwater Elevation (ft NAVD) ⁽¹⁾ |
|-------------------------------|----------|-------------------------------|----------------------------------|----------------------------------|-------------------------|--|
| 44-J-5-MW | | | | | | |
| 3,134.75 | 06/13/06 | 110.00 | 96.83 | NA | NA | 3,037.92 |
| | 07/13/06 | 110.00 | 96.83 | NA | NA | 3,037.92 |
| | 08/07/06 | 110.00 | 97.00 | NA | NA | 3,037.75 |
| | 08/15/06 | 110.00 | 97.01 | NA | NA | 3,037.74 |
| | 09/13/06 | 110.00 | 97.05 | NA | NA | 3,037.70 |
| | 09/20/06 | 110.00 | 97.02 | NA | NA | 3,037.73 |
| | 10/04/06 | 110.00 | 97.13 | NA | NA | 3,037.62 |
| | 12/08/06 | 117.61 | 97.13 | NA | NA | 3,037.62 |
| | 01/22/08 | 113.70 | 97.53 | NA | NA | 3,037.22 |
| | 08/27/09 | 113.60 | 97.88 | NA | NA | 3,036.87 |
| | 08/16/10 | NM | 97.23 | NA | NA | 3,037.52 |
| | 02/11/11 | NM | 96.84 | NA | NA | 3,037.91 |
| | 08/02/11 | 113.71 | 96.32 | NA | NA | 3,038.43 |
| | 01/30/13 | 113.70 | 96.23 | NA | NA | 3,038.52 |
| | 07/30/13 | 113.23 | 96.30 | NA | NA | 3,038.45 |
| | 01/13/14 | 113.25 | 96.33 | NA | NA | 3,038.42 |
| | 07/14/14 | 113.20 | 96.30 | NA | NA | 3,038.45 |
| | 01/12/15 | NM | 96.38 | NA | NA | 3,038.37 |
| | 07/14/15 | NM | 96.10 | NA | NA | 3,038.65 |
| | 01/25/16 | 113.26 | 96.10 | NA | NA | 3,038.65 |
| | 07/20/16 | NM | 96.14 | NA | NA | 3,038.61 |
| | 01/12/17 | NM | 96.02 | NA | NA | 3,038.73 |
| | 07/13/17 | NM | 96.16 | NA | NA | 3,038.59 |
| | 01/12/18 | NM | 95.80 | NA | NA | 3,038.95 |
| | 07/02/18 | NM | 95.98 | NA | NA | 3,038.77 |
| | 01/09/19 | NM | 95.81 | NA | NA | 3,038.94 |
| | 07/11/19 | 113.11 | 95.59 | NA | NA | 3,039.16 |
| | 01/14/20 | NM | 95.48 | NA | NA | 3,039.27 |
| | 07/09/20 | 113.67 | 95.24 | NA | NA | 3,039.51 |
| 45-E-1-MW | | | | | | |
| NM | 09/12/06 | NM | 88.92 | NA | NA | NA |
| | 12/08/06 | 105.50 | 89.15 | NA | NA | NA |
| | 02/13/07 | 107.06 | 88.51 | NA | NA | NA |
| | 02/28/07 | NM | 88.51 | NA | NA | NA |
| | 07/30/07 | 107.06 | 88.95 | NA | NA | NA |
| | 01/22/08 | 107.06 | 90.04 | NA | NA | NA |
| | 07/09/08 | 107.06 | 89.31 | NA | NA | NA |
| | 01/28/09 | 107.06 | 89.31 | NA | NA | NA |
| | 08/27/09 | 102.95 | 89.72 | NA | NA | NA |
| | 08/16/10 | NM | 90.37 | NA | NA | NA |
| | 02/11/11 | NM | 90.36 | NA | NA | NA |
| | 08/02/11 | 103.00 | 89.70 | NA | NA | NA |
| | 01/25/16 | 103.31 | 90.58 | NA | NA | NA |
| | 07/20/16 | NM | 90.65 | NA | NA | NA |
| | 01/12/17 | NM | 90.20 | NA | NA | NA |
| | 07/13/17 | NM | 89.96 | NA | NA | NA |
| | 01/12/18 | NM | 88.74 | NA | NA | NA |
| | 07/02/18 | NM | 88.37 | NA | NA | NA |
| | 01/09/19 | NM | 87.95 | NA | NA | NA |
| | 07/11/19 | 102.23 | 87.66 | NA | NA | NA |
| | 01/14/20 | NM | 87.44 | NA | NA | NA |
| | 07/09/20 | 102.90 | 87.16 | NA | NA | NA |

Appendix A

Historical Groundwater Elevation Measurements
Chevron Dollarhide Unit
Dollarhide, Texas

| TOC Elevation (ft NAVD) | Date | Total Depth (ft below TOC) | Depth to Water (ft below TOC) | Depth to LNAPL (ft below TOC) | LNAPL Thickness (ft) | Groundwater Elevation (ft NAVD) ⁽¹⁾ |
|-------------------------------|----------|-------------------------------|----------------------------------|----------------------------------|-------------------------|--|
| 45-E-2-MW | | | | | | |
| NM | 09/12/06 | NM | 81.36 | NA | NA | NA |
| | 12/08/06 | 104.00 | 86.58 | NA | NA | NA |
| | 02/13/07 | 109.28 | 85.82 | NA | NA | NA |
| | 02/28/07 | NM | 85.82 | NA | NA | NA |
| | 07/30/07 | 109.28 | 86.49 | NA | NA | NA |
| | 01/22/08 | 109.28 | 86.58 | NA | NA | NA |
| | 07/09/08 | 109.28 | 86.86 | NA | NA | NA |
| | 01/28/09 | 109.28 | 86.79 | NA | NA | NA |
| | 08/26/09 | 104.20 | 87.28 | NA | NA | NA |
| | 08/16/10 | NM | 87.84 | NA | NA | NA |
| | 02/11/11 | NM | 88.03 | NA | NA | NA |
| | 08/02/11 | 104.25 | 87.21 | NA | NA | NA |
| | 08/15/12 | 104.23 | 87.82 | NA | NA | NA |
| | 01/25/16 | 104.48 | 88.34 | NA | NA | NA |
| | 07/20/16 | NM | 88.33 | NA | NA | NA |
| | 01/12/17 | NM | 87.93 | NA | NA | NA |
| | 07/13/17 | NM | 87.62 | NA | NA | NA |
| | 01/12/18 | NM | 86.23 | NA | NA | NA |
| | 07/02/18 | NM | 88.85 | NA | NA | NA |
| | 01/09/19 | NM | 85.41 | NA | NA | NA |
| | 07/11/19 | 104.10 | 85.11 | NA | NA | NA |
| | 01/14/20 | NM | 84.89 | NA | NA | NA |
| | 07/09/20 | 104.06 | 84.62 | NA | NA | NA |
| 45-E-3-MW | | | | | | |
| NM | 02/13/07 | 107.95 | 88.68 | NA | NA | NA |
| | 02/28/07 | NM | 88.68 | NA | NA | NA |
| | 07/26/07 | 107.95 | 89.30 | NA | NA | NA |
| | 01/22/08 | 107.95 | 89.54 | NA | NA | NA |
| | 07/08/08 | 107.95 | 89.70 | NA | NA | NA |
| | 01/28/06 | 107.95 | 89.70 | NA | NA | NA |
| | 08/26/09 | 110.00 | 90.06 | NA | NA | NA |
| | 08/16/10 | NM | 90.63 | NA | NA | NA |
| | 02/11/11 | 107.00 | 90.74 | NA | NA | NA |
| | 08/02/11 | 107.91 | 90.19 | NA | NA | NA |
| | 07/20/16 | NM | 91.05 | NA | NA | NA |
| | 01/11/17 | NM | 90.50 | NA | NA | NA |
| | 07/13/17 | NM | 90.37 | NA | NA | NA |
| | 01/12/18 | NM | 89.35 | NA | NA | NA |
| | 07/02/18 | NM | 88.75 | NA | NA | NA |
| | 01/09/19 | NM | 88.41 | NA | NA | NA |
| | 07/11/19 | 107.18 | 88.13 | NA | NA | NA |
| | 01/15/20 | NM | 87.87 | NA | NA | NA |
| | 07/07/20 | 107.91 | 87.66 | NA | NA | NA |

Appendix A

Historical Groundwater Elevation Measurements
Chevron Dollarhide Unit
Dollarhide, Texas

| TOC Elevation (ft NAVD) | Date | Total Depth (ft below TOC) | Depth to Water (ft below TOC) | Depth to LNAPL (ft below TOC) | LNAPL Thickness (ft) | Groundwater Elevation (ft NAVD) ⁽¹⁾ |
|-------------------------------|----------|-------------------------------|----------------------------------|----------------------------------|-------------------------|--|
| 45-F-1-MW | | | | | | |
| NM | 06/13/06 | 108.19 | 90.99 | NA | NA | NA |
| | 09/12/06 | NM | 90.15 | NA | NA | NA |
| | 12/08/06 | 107.40 | 90.34 | NA | NA | NA |
| | 02/13/07 | 108.19 | 90.22 | NA | NA | NA |
| | 02/28/07 | NM | 90.02 | NA | NA | NA |
| | 07/30/07 | 108.19 | 90.22 | NA | NA | NA |
| | 01/22/08 | 108.19 | 90.52 | NA | NA | NA |
| | 07/09/08 | 108.19 | 90.63 | NA | NA | NA |
| | 01/28/09 | 108.19 | 90.81 | NA | NA | NA |
| | 08/27/09 | 106.80 | 90.93 | NA | NA | NA |
| | 08/16/10 | NM | 91.41 | NA | NA | NA |
| | 02/11/11 | NM | 91.52 | NA | NA | NA |
| | 08/02/11 | 107.03 | 91.15 | NA | NA | NA |
| | 08/15/12 | 108.02 | 91.40 | NA | NA | NA |
| | 01/30/13 | 106.82 | 91.29 | NA | NA | NA |
| | 07/30/13 | 107.90 | 91.70 | NA | NA | NA |
| | 01/14/13 | 107.94 | 91.71 | NA | NA | NA |
| | 07/14/14 | 107.87 | 91.53 | NA | NA | NA |
| | 01/12/15 | NM | 91.78 | NA | NA | NA |
| | 07/14/15 | NM | 91.62 | NA | NA | NA |
| | 01/25/16 | 107.90 | 91.72 | NA | NA | NA |
| | 07/20/16 | NM | 91.56 | NA | NA | NA |
| | 01/12/17 | NM | 91.40 | NA | NA | NA |
| | 07/13/17 | NM | 90.96 | NA | NA | NA |
| | 01/12/18 | NM | 90.44 | NA | NA | NA |
| | 07/02/18 | NM | 90.14 | NA | NA | NA |
| | 01/09/19 | NM | 89.78 | NA | NA | NA |
| | 07/11/19 | 106.79 | 89.49 | NA | NA | NA |
| | 01/14/20 | NM | 89.28 | NA | NA | NA |
| | 07/09/20 | 106.90 | 88.99 | NA | NA | NA |
| 45-FF-MW | | | | | | |
| 3,122.70 | 06/13/06 | 111.19 | 90.57 | NA | NA | 3,032.13 |
| | 09/12/06 | NM | 90.77 | NA | NA | 3,031.93 |
| | 12/08/06 | 114.00 | 90.94 | NA | NA | 3,031.76 |
| | 02/13/07 | 111.19 | 90.58 | NA | NA | 3,032.12 |
| | 02/28/07 | NM | 90.58 | NA | NA | 3,032.12 |
| | 07/30/07 | 111.19 | 90.81 | NA | NA | 3,031.89 |
| | 01/22/08 | 111.19 | 91.16 | NA | NA | 3,031.54 |
| | 07/09/08 | 111.19 | 91.22 | NA | NA | 3,031.48 |
| | 01/28/09 | 111.19 | 91.16 | NA | NA | 3,031.54 |
| | 08/27/09 | 107.50 | 91.54 | NA | NA | 3,031.16 |
| | 08/16/10 | NM | 92.01 | NA | NA | 3,030.69 |
| | 02/11/11 | NM | 92.19 | NA | NA | 3,030.51 |
| | 08/02/11 | 111.11 | 91.71 | NA | NA | 3,030.99 |
| | 01/30/13 | 110.91 | 91.92 | NA | NA | 3,030.78 |
| | 07/30/13 | 110.50 | 92.30 | NA | NA | 3,030.40 |
| | 01/13/14 | 110.51 | 92.33 | NA | NA | 3,030.37 |
| | 07/14/14 | 110.48 | 92.02 | NA | NA | 3,030.68 |
| | 01/12/15 | NM | 92.41 | NA | NA | 3,030.29 |
| | 07/14/15 | NM | 92.30 | NA | NA | 3,030.40 |
| | 01/25/16 | 110.94 | 92.36 | NA | NA | 3,030.34 |
| | 07/20/16 | NM | 92.16 | NA | NA | 3,030.54 |
| | 01/12/17 | NM | 91.96 | NA | NA | 3,030.74 |
| | 07/13/17 | NM | 91.55 | NA | NA | 3,031.15 |
| | 01/12/18 | NM | 90.90 | NA | NA | 3,031.80 |
| | 07/02/18 | NM | 90.54 | NA | NA | 3,032.16 |
| | 01/09/19 | NM | 90.31 | NA | NA | 3,032.39 |
| | 07/11/19 | 110.16 | 89.90 | NA | NA | 3,032.80 |
| | 01/14/20 | NM | 89.70 | NA | NA | 3,033.00 |
| | 07/09/20 | 110.80 | 89.43 | NA | NA | 3,033.27 |

Appendix A

Historical Groundwater Elevation Measurements
Chevron Dollarhide Unit
Dollarhide, Texas

| TOC Elevation (ft NAVD) | Date | Total Depth (ft below TOC) | Depth to Water (ft below TOC) | Depth to LNAPL (ft below TOC) | LNAPL Thickness (ft) | Groundwater Elevation (ft NAVD) ⁽¹⁾ |
|-------------------------------|----------|-------------------------------|----------------------------------|----------------------------------|-------------------------|--|
| 58-B-1-MW | | | | | | |
| 3,100.59 | 06/14/06 | NM | NM | NA | NA | NA |
| | 09/12/06 | NM | 87.12 | NA | NA | 3,013.47 |
| | 12/08/06 | 106.20 | 87.06 | NA | NA | 3,013.53 |
| | 02/13/07 | 105.50 | 87.02 | NA | NA | 3,013.57 |
| | 02/28/07 | NM | 87.02 | NA | NA | 3,013.57 |
| | 07/26/07 | 105.50 | 87.37 | NA | NA | 3,013.22 |
| | 01/22/08 | 105.50 | 87.79 | NA | NA | 3,012.80 |
| | 07/08/08 | 105.50 | 87.67 | NA | NA | 3,012.92 |
| | 01/28/09 | 104.79 | 87.67 | NA | NA | 3,012.92 |
| | 08/26/09 | 104.80 | 87.77 | NA | NA | 3,012.82 |
| | 08/16/10 | NM | 87.88 | NA | NA | 3,012.71 |
| | 02/11/11 | NM | 87.43 | NA | NA | 3,013.16 |
| | 08/05/11 | 104.55 | 87.00 | NA | NA | 3,013.59 |
| | 08/15/12 | 104.59 | 88.12 | NA | NA | 3,012.47 |
| | 01/30/13 | 107.53 | 87.76 | NA | NA | 3,012.83 |
| | 07/30/13 | 104.50 | 88.56 | NA | NA | 3,012.03 |
| | 01/13/14 | 104.56 | 88.60 | NA | NA | 3,011.99 |
| | 07/14/14 | 104.47 | 87.92 | NA | NA | 3,012.67 |
| | 01/12/15 | NM | 88.38 | NA | NA | 3,012.21 |
| | 07/22/16 | NM | 87.70 | NA | NA | 3,012.89 |
| | 01/13/17 | NM | 87.20 | NA | NA | 3,013.39 |
| | 07/13/17 | NM | 86.71 | NA | NA | 3,013.88 |
| | 01/12/18 | NM | 85.34 | NA | NA | 3,015.25 |
| | 07/02/18 | NM | 86.12 | NA | NA | 3,014.47 |
| | 01/07/19 | NM | 85.76 | NA | NA | 3,014.83 |
| | 07/09/19 | 104.40 | 85.69 | NA | NA | 3,014.90 |
| | 01/14/20 | NM | 85.52 | NA | NA | 3,015.07 |
| | 07/08/20 | 104.43 | 85.33 | NA | NA | 3,015.26 |
| 58-B-2-MW | | | | | | |
| 3,111.91 | 06/14/06 | NM | NM | NA | NA | NA |
| | 09/12/06 | NM | 85.80 | NA | NA | 3,026.11 |
| | 12/08/06 | NM | 85.60 | NA | NA | 3,026.31 |
| | 02/13/07 | 105.45 | 85.61 | NA | NA | 3,026.30 |
| | 02/28/07 | NM | 85.61 | NA | NA | 3,026.30 |
| | 07/26/07 | 105.45 | 85.88 | NA | NA | 3,026.03 |
| | 01/22/08 | 105.45 | 86.28 | NA | NA | 3,025.63 |
| | 07/08/08 | 105.45 | 86.16 | NA | NA | 3,025.75 |
| | 01/28/09 | 105.45 | 86.23 | NA | NA | 3,025.68 |
| | 08/26/09 | 104.50 | 86.33 | NA | NA | 3,025.58 |
| | 08/16/10 | NM | 86.42 | NA | NA | 3,025.49 |
| | 02/11/11 | NM | 86.11 | NA | NA | 3,025.80 |
| | 08/02/11 | 105.12 | 85.75 | NA | NA | 3,026.16 |
| | 08/15/12 | 105.43 | 86.70 | NA | NA | 3,025.21 |
| | 07/14/15 | NM | 88.61 | NA | NA | 3,023.30 |
| | 01/25/16 | 105.08 | 85.92 | NA | NA | 3,025.99 |
| | 07/22/16 | NM | 86.40 | NA | NA | 3,025.51 |
| | 01/13/17 | NM | 85.92 | NA | NA | 3,025.99 |
| | 07/13/17 | NM | 85.55 | NA | NA | 3,026.36 |
| | 01/12/18 | NM | 86.47 | NA | NA | 3,025.44 |
| | 07/02/18 | NM | 85.10 | NA | NA | 3,026.81 |
| | 01/07/19 | NM | 84.75 | NA | NA | 3,027.16 |
| | 07/09/19 | 104.47 | 84.67 | NA | NA | 3,027.24 |
| | 01/14/20 | NM | 84.52 | NA | NA | 3,027.39 |
| | 07/09/20 | 104.61 | 84.36 | NA | NA | 3,027.55 |

Appendix A

Historical Groundwater Elevation Measurements
Chevron Dollarhide Unit
Dollarhide, Texas

| TOC Elevation (ft NAVD) | Date | Total Depth (ft below TOC) | Depth to Water (ft below TOC) | Depth to LNAPL (ft below TOC) | LNAPL Thickness (ft) | Groundwater Elevation (ft NAVD) ⁽¹⁾ |
|-------------------------------|-----------|-------------------------------|----------------------------------|----------------------------------|-------------------------|--|
| 58-B-3-MW | | | | | | |
| 3,108.46 | 02/13/07 | 100.75 | 89.48 | NA | NA | 3,018.98 |
| | 02/28/07 | NM | 89.48 | NA | NA | 3,018.98 |
| | 07/26/07 | 100.75 | 89.39 | NA | NA | 3,019.07 |
| | 01/22/08 | 100.75 | 89.71 | NA | NA | 3,018.75 |
| | 07/08/08 | 100.75 | 89.75 | NA | NA | 3,018.71 |
| | 01/28/09 | 100.75 | 89.81 | NA | NA | 3,018.65 |
| | 08/26/09 | 104.00 | 89.88 | NA | NA | 3,018.58 |
| | 08/16/10 | NM | 90.05 | NA | NA | 3,018.41 |
| | 02/11/11 | 102.00 | 90.02 | NA | NA | 3,018.44 |
| | 08/02/11 | 100.68 | 89.97 | NA | NA | 3,018.49 |
| | 08/15/12 | 100.73 | 90.11 | NA | NA | 3,018.35 |
| | 01/30/13 | 100.89 | 90.16 | NA | NA | 3,018.30 |
| | 07/30/13 | 100.80 | 90.24 | NA | NA | 3,018.22 |
| | 01/13/14 | 100.80 | 90.33 | NA | NA | 3,018.13 |
| | 07/14/14 | 100.79 | 90.39 | NA | NA | 3,018.07 |
| | 01/12/15 | NM | 89.80 | NA | NA | 3,018.66 |
| | 07/14/15 | NM | 90.06 | NA | NA | 3,018.40 |
| | 01/25/16 | 100.78 | 90.08 | NA | NA | 3,018.38 |
| | 07/22/16 | NM | 90.14 | NA | NA | 3,018.32 |
| | 01/10/17 | NM | 90.02 | NA | NA | 3,018.44 |
| | 07/13/17 | NM | 89.88 | NA | NA | 3,018.58 |
| | 01/12/18 | NM | 89.78 | NA | NA | 3,018.68 |
| | 07/02/18 | NM | 89.62 | NA | NA | 3,018.84 |
| | 01/07/19 | NM | 89.36 | NA | NA | 3,019.10 |
| | 07/09/19 | 100.68 | 89.37 | NA | NA | 3,019.09 |
| | 01/13/20 | NM | 89.23 | NA | NA | 3,019.23 |
| | 07/07/20 | 100.71 | 89.14 | NA | NA | 3,019.32 |
| MW-2 | | | | | | |
| 3,204.56 | 8/7/2015 | NM | 104.07 | NA | NA | 3,100.49 |
| | 1/25/2016 | 109.14 | 109.05 | NA | NA | 3,095.51 |
| | 7/21/2016 | NM | 109.10 | NA | NA | 3,095.46 |
| | 1/12/2017 | NM | 109.20 | NA | NA | 3,095.36 |
| | 4/10/2017 | 109.71 | DRY | NA | NA | DRY |
| | 7/13/2017 | NM | 109.14 | NA | NA | 3,095.42 |
| | 10/3/2017 | 109.33 | DRY | NA | NA | DRY |
| | 1/12/2018 | 109.15 | DRY | NA | NA | DRY |
| | 4/2/2018 | 109.15 | DRY | NA | NA | DRY |
| | 07/02/18 | 109.15 | DRY | NA | NA | DRY |
| | 10/1/2018 | 109.58 | DRY | NA | NA | DRY |
| | 1/8/2019 | 109.70 | DRY | NA | NA | DRY |
| | 4/9/2019 | 109.45 | DRY | NA | NA | DRY |
| | 7/9/2019 | 109.14 | DRY | NA | NA | DRY |
| | 10/9/2019 | NM | DRY | NA | NA | DRY |
| | 1/16/2020 | NM | DRY | NA | NA | DRY |
| | 4/7/2020 | 109.11 | DRY | NA | NA | DRY |
| | 7/6/2020 | 109.09 | DRY | NA | NA | DRY |
| | 10/12/20 | 109.13 | DRY | NA | NA | DRY |

Appendix A

Historical Groundwater Elevation Measurements
Chevron Dollarhide Unit
Dollarhide, Texas

| TOC Elevation (ft NAVD) | Date | Total Depth (ft below TOC) | Depth to Water (ft below TOC) | Depth to LNAPL (ft below TOC) | LNAPL Thickness (ft) | Groundwater Elevation (ft NAVD) ⁽¹⁾ |
|-------------------------------|------------|-------------------------------|----------------------------------|----------------------------------|-------------------------|--|
| MW-3 | | | | | | |
| 3,199.51 | 8/7/2015 | NM | 112.88 | NA | NA | 3,086.63 |
| | 1/25/2016 | 119.30 | 112.95 | NA | NA | 3,086.56 |
| | 7/21/2016 | NM | 113.02 | NA | NA | 3,086.49 |
| | 1/11/2017 | NM | 112.95 | NA | NA | 3,086.56 |
| | 4/10/2017 | NM | 113.17 | NA | NA | 3,086.34 |
| | 7/13/2017 | NM | 113.04 | NA | NA | 3,086.47 |
| | 10/3/2017 | NM | 113.11 | NA | NA | 3,086.40 |
| | 1/12/2018 | NM | 113.04 | NA | NA | 3,086.47 |
| | 4/2/2018 | NM | 113.20 | NA | NA | 3,086.31 |
| | 07/02/18 | NM | 113.09 | NA | NA | 3,086.42 |
| | 10/1/2018 | NM | 113.14 | NA | NA | 3,086.37 |
| | 1/8/2019 | NM | 113.10 | NA | NA | 3,086.41 |
| | 4/9/2019 | NM | 113.13 | NA | NA | 3,086.38 |
| | 7/10/2019 | 119.39 | 113.19 | NA | NA | 3,086.32 |
| | 10/9/2019 | NM | 113.78 | NA | NA | 3,085.73 |
| | 1/16/2020 | NM | 113.29 | NA | NA | 3,086.22 |
| | 4/7/2020 | 119.44 | 113.24 | NA | NA | 3,086.27 |
| | 7/6/2020 | 119.38 | 113.28 | NA | NA | 3,086.23 |
| | 10/12/2020 | 119.39 | 113.30 | NA | NA | 3,086.21 |
| MW-4 | | | | | | |
| 3,189.69 | 8/7/2015 | NM | 115.53 | NA | NA | 3,074.16 |
| | 1/25/2016 | 116.91 | 115.60 | NA | NA | 3,074.09 |
| | 7/21/2016 | NM | 115.65 | NA | NA | 3,074.04 |
| | 1/11/2017 | NM | 115.55 | NA | NA | 3,074.14 |
| | 4/10/2017 | 117.74 | 115.67 | NA | NA | 3,074.02 |
| | 7/13/2017 | NM | 115.64 | NA | NA | 3,074.05 |
| | 10/3/2017 | 118.13 | 115.65 | NA | NA | 3,074.04 |
| | 1/12/2018 | NM | 115.60 | NA | NA | 3,074.09 |
| | 4/2/2018 | NM | 115.70 | NA | NA | 3,073.99 |
| | 07/02/18 | NM | 115.61 | NA | NA | 3,074.08 |
| | 10/1/2018 | NM | 115.72 | NA | NA | 3,073.97 |
| | 1/8/2019 | NM | 115.65 | NA | NA | 3,074.04 |
| | 4/9/2019 | NM | 115.70 | NA | NA | 3,073.99 |
| | 7/10/2019 | 116.93 | 115.74 | NA | NA | 3,073.95 |
| | 10/9/2019 | NM | 115.93 | NA | NA | 3,073.76 |
| | 1/16/2020 | NM | 115.86 | NA | NA | 3,073.83 |
| | 4/7/2020 | 117.55 | 115.76 | NA | NA | 3,073.93 |
| | 7/6/2020 | 117.04 | 115.80 | NA | NA | 3,073.89 |
| | 10/12/2020 | 117.06 | 115.85 | NA | NA | 3,073.84 |
| MW-5 | | | | | | |
| 3,174.43 | 8/7/2015 | NM | 102.74 | NA | NA | 3,071.69 |
| | 1/25/2016 | 116.91 | 102.78 | NA | NA | 3,071.65 |
| | 7/21/2016 | NM | 102.84 | NA | NA | 3,071.59 |
| | 1/11/2017 | NM | 102.80 | NA | NA | 3,071.63 |
| | 4/10/2017 | 116.95 | 102.85 | NA | NA | 3,071.58 |
| | 7/13/2017 | NM | 102.88 | NA | NA | 3,071.55 |
| | 10/3/2017 | NM | 102.91 | NA | NA | 3,071.52 |
| | 1/12/2018 | NM | 102.95 | NA | NA | 3,071.48 |
| | 4/2/2018 | NM | 102.94 | NA | NA | 3,071.49 |
| | 07/02/18 | NM | 102.93 | NA | NA | 3,071.50 |
| | 10/1/2018 | NM | 103.00 | NA | NA | 3,071.43 |
| | 1/8/2019 | NM | 102.90 | NA | NA | 3,071.53 |
| | 4/9/2019 | NM | 102.99 | NA | NA | 3,071.44 |
| | 7/10/2019 | 116.96 | 103.00 | NA | NA | 3,071.43 |
| | 10/9/2019 | NM | 103.02 | NA | NA | 3,071.41 |
| | 1/16/2020 | NM | 103.07 | NA | NA | 3,071.36 |
| | 4/7/2020 | 116.97 | 103.03 | NA | NA | 3,071.40 |
| | 7/6/2020 | 116.94 | 103.05 | NA | NA | 3,071.38 |
| | 10/12/2020 | 116.96 | 103.09 | NA | NA | 3,071.34 |

Appendix A

Historical Groundwater Elevation Measurements
Chevron Dollarhide Unit
Dollarhide, Texas

| TOC Elevation (ft NAVD) | Date | Total Depth (ft below TOC) | Depth to Water (ft below TOC) | Depth to LNAPL (ft below TOC) | LNAPL Thickness (ft) | Groundwater Elevation (ft NAVD) ⁽¹⁾ |
|-------------------------------|------------|-------------------------------|----------------------------------|----------------------------------|-------------------------|--|
| MW-6 | | | | | | |
| 3,165.25 | 8/7/2015 | NM | 93.97 | NA | NA | 3,071.28 |
| | 1/25/2016 | 130.94 | 94.21 | NA | NA | 3,071.04 |
| | 7/21/2016 | NM | 94.28 | NA | NA | 3,070.97 |
| | 1/11/2017 | NM | 94.01 | NA | NA | 3,071.24 |
| | 4/10/2017 | 130.83 | 94.21 | NA | NA | 3,071.04 |
| | 7/13/2017 | NM | 94.11 | NA | NA | 3,071.14 |
| | 10/3/2017 | NM | 94.14 | NA | NA | 3,071.11 |
| | 1/12/2018 | NM | 93.80 | NA | NA | 3,071.45 |
| | 4/2/2018 | NM | 94.18 | NA | NA | 3,071.07 |
| | 07/02/18 | NM | 93.89 | NA | NA | 3,071.36 |
| | 10/1/2018 | NM | 93.90 | NA | NA | 3,071.35 |
| | 1/8/2019 | NM | 93.94 | NA | NA | 3,071.31 |
| | 4/9/2019 | NM | 93.74 | NA | NA | 3,071.51 |
| | 7/10/2019 | 128.94 | 93.92 | NA | NA | 3,071.33 |
| | 10/9/2019 | NM | 93.80 | NA | NA | 3,071.45 |
| | 1/15/2020 | NM | 94.01 | NA | NA | 3,071.24 |
| | 4/7/2020 | 130.92 | 93.99 | NA | NA | 3,071.26 |
| | 7/8/2020 | 130.89 | 94.03 | NA | NA | 3,071.22 |
| | 10/12/2020 | 130.92 | 94.17 | NA | NA | 3,071.08 |
| MW-7 | | | | | | |
| 3,132.14 | 8/7/2015 | NM | 112.10 | NA | NA | 3,020.04 |
| | 1/25/2016 | 117.20 | 112.77 | NA | NA | 3,019.37 |
| | 7/21/2016 | NM | 114.50 | NA | NA | 3,017.64 |
| | 1/11/2017 | NM | 115.92 | NA | NA | 3,016.22 |
| | 4/10/2017 | 116.73 | DRY | NA | NA | DRY |
| | 7/13/2017 | 116.55 | DRY | NA | NA | DRY |
| | 10/3/2017 | 116.46 | DRY | NA | NA | DRY |
| | 1/12/2018 | NM | DRY | NA | NA | DRY |
| | 4/2/2018 | 116.66 | DRY | NA | NA | DRY |
| | 07/02/18 | 116.70 | DRY | NA | NA | DRY |
| | 10/1/2018 | 116.61 | DRY | NA | NA | DRY |
| | 1/8/2019 | 116.61 | DRY | NA | NA | DRY |
| | 4/5/2019 | 117.09 | DRY | NA | NA | DRY |
| | 7/10/2019 | 116.59 | DRY | NA | NA | DRY |
| | 10/8/2019 | NM | DRY | NA | NA | DRY |
| | 1/14/2020 | NM | DRY | NA | NA | DRY |
| | 4/7/2020 | 116.60 | DRY | NA | NA | DRY |
| | 7/8/2020 | 116.59 | DRY | NA | NA | DRY |
| | 10/12/2020 | 116.61 | DRY | NA | NA | DRY |
| MW-8 | | | | | | |
| 3,107.34 | 8/7/2015 | NM | 85.03 | NA | NA | 3,022.31 |
| | 1/25/2016 | 110.98 | 85.46 | NA | NA | 3,021.88 |
| | 7/21/2016 | NM | 85.10 | NA | NA | 3,022.24 |
| | 1/13/2017 | NM | 84.95 | NA | NA | 3,022.39 |
| | 4/7/2017 | 110.98 | 85.00 | NA | NA | 3,022.34 |
| | 7/13/2017 | NM | 84.68 | NA | NA | 3,022.66 |
| | 10/3/2017 | NM | 84.86 | NA | NA | 3,022.48 |
| | 1/12/2018 | NM | 84.75 | NA | NA | 3,022.59 |
| | 4/2/2018 | NM | 85.20 | NA | NA | 3,022.14 |
| | 07/02/18 | NM | 85.09 | NA | NA | 3,022.25 |
| | 10/1/2018 | NM | 84.83 | NA | NA | 3,022.51 |
| | 1/8/2019 | NM | 84.81 | NA | NA | 3,022.53 |
| | 4/5/2019 | NM | 84.52 | NA | NA | 3,022.82 |
| | 7/9/2019 | 110.97 | 84.45 | NA | NA | 3,022.89 |
| | 10/8/2019 | NM | 84.33 | NA | NA | 3,023.01 |
| | 1/14/2020 | NM | 84.42 | NA | NA | 3,022.92 |
| | 4/7/2020 | 111.00 | 84.35 | NA | NA | 3,022.99 |
| | 7/8/2020 | 110.97 | 84.23 | NA | NA | 3,023.11 |
| | 10/12/2020 | 110.97 | 84.26 | NA | NA | 3,023.08 |

Appendix A

Historical Groundwater Elevation Measurements
Chevron Dollarhide Unit
Dollarhide, Texas

| TOC Elevation (ft NAVD) | Date | Total Depth (ft below TOC) | Depth to Water (ft below TOC) | Depth to LNAPL (ft below TOC) | LNAPL Thickness (ft) | Groundwater Elevation (ft NAVD) ⁽¹⁾ |
|-------------------------------|------------|-------------------------------|----------------------------------|----------------------------------|-------------------------|--|
| MW-9 | | | | | | |
| 3,103.82 | 8/7/2015 | NM | 85.68 | NA | NA | 3,018.14 |
| | 1/25/2016 | 105.30 | 85.87 | NA | NA | 3,017.95 |
| | 7/21/2016 | NM | 85.80 | NA | NA | 3,018.02 |
| | 1/13/2017 | NM | 85.76 | NA | NA | 3,018.06 |
| | 4/7/2017 | 105.28 | 85.65 | NA | NA | 3,018.17 |
| | 7/13/2017 | NM | 85.50 | NA | NA | 3,018.32 |
| | 10/3/2017 | NM | 85.53 | NA | NA | 3,018.29 |
| | 1/12/2018 | NM | 85.38 | NA | NA | 3,018.44 |
| | 4/2/2018 | NM | 85.73 | NA | NA | 3,018.09 |
| | 07/02/18 | NM | 85.24 | NA | NA | 3,018.58 |
| | 10/1/2018 | NM | 85.24 | NA | NA | 3,018.58 |
| | 1/7/2019 | NM | 85.05 | NA | NA | 3,018.77 |
| | 4/5/2019 | NM | 85.09 | NA | NA | 3,018.73 |
| | 7/9/2019 | 102.06 | 85.02 | NA | NA | 3,018.80 |
| | 10/8/2019 | NM | 84.93 | NA | NA | 3,018.89 |
| | 1/15/2020 | NM | 85.02 | NA | NA | 3,018.80 |
| | 4/7/2020 | 101.63 | 84.91 | NA | NA | 3,018.91 |
| | 7/8/2020 | 101.65 | 84.85 | NA | NA | 3,018.97 |
| | 10/12/2020 | 101.66 | 84.82 | NA | NA | 3,019.00 |
| MW-10 | | | | | | |
| 3,139.71 | 8/7/2015 | NM | 97.21 | NA | NA | 3,042.50 |
| | 1/25/2016 | 116.50 | 97.33 | NA | NA | 3,042.38 |
| | 7/20/2016 | NM | 97.18 | NA | NA | 3,042.53 |
| | 1/12/2017 | NM | 97.21 | NA | NA | 3,042.50 |
| | 4/7/2017 | 116.36 | 97.22 | NA | NA | 3,042.49 |
| | 7/13/2017 | NM | 97.12 | NA | NA | 3,042.59 |
| | 10/3/2017 | NM | 97.35 | NA | NA | 3,042.36 |
| | 1/12/2018 | NM | 97.30 | NA | NA | 3,042.41 |
| | 4/2/2018 | NM | 97.41 | NA | NA | 3,042.30 |
| | 07/02/18 | NM | 97.24 | NA | NA | 3,042.47 |
| | 10/1/2018 | NM | 97.35 | NA | NA | 3,042.36 |
| | 1/8/2019 | NM | 97.35 | NA | NA | 3,042.36 |
| | 4/5/2019 | NM | 97.22 | NA | NA | 3,042.49 |
| | 7/9/2019 | 116.65 | 97.22 | NA | NA | 3,042.49 |
| | 10/8/2019 | NM | 97.12 | NA | NA | 3,042.59 |
| | 1/15/2020 | NM | 97.32 | NA | NA | 3,042.39 |
| | 4/7/2020 | 116.38 | 97.17 | NA | NA | 3,042.54 |
| | 7/8/2020 | 116.36 | 97.14 | NA | NA | 3,042.57 |
| | 10/12/2020 | 116.36 | 97.19 | NA | NA | 3,042.52 |
| MW-11 | | | | | | |
| 3,156.65 | 8/7/2015 | NM | 102.00 | NA | NA | 3,054.65 |
| | 1/25/2016 | 110.23 | 102.08 | NA | NA | 3,054.57 |
| | 7/21/2016 | NM | 102.16 | NA | NA | 3,054.49 |
| | 1/11/2017 | NM | 102.10 | NA | NA | 3,054.55 |
| | 4/10/2017 | 110.02 | 102.22 | NA | NA | 3,054.43 |
| | 7/13/2017 | NM | 102.22 | NA | NA | 3,054.43 |
| | 10/3/2017 | NM | 102.28 | NA | NA | 3,054.37 |
| | 1/12/2018 | NM | 102.18 | NA | NA | 3,054.47 |
| | 4/2/2018 | NM | 102.39 | NA | NA | 3,054.26 |
| | 07/02/18 | NM | 102.28 | NA | NA | 3,054.37 |
| | 10/1/2018 | NM | 102.35 | NA | NA | 3,054.30 |
| | 1/8/2019 | NM | 102.35 | NA | NA | 3,054.30 |
| | 4/9/2019 | NM | 102.45 | NA | NA | 3,054.20 |
| | 7/10/2019 | 110.03 | 102.41 | NA | NA | 3,054.24 |
| | 10/9/2019 | NM | 102.36 | NA | NA | 3,054.29 |
| | 1/15/2020 | NM | 102.47 | NA | NA | 3,054.18 |
| | 4/7/2020 | 110.09 | 102.45 | NA | NA | 3,054.20 |
| | 7/8/2020 | 110.03 | 102.44 | NA | NA | 3,054.21 |
| | 10/12/2020 | 110.02 | 102.54 | NA | NA | 3,054.11 |

Appendix A

Historical Groundwater Elevation Measurements
Chevron Dollarhide Unit
Dollarhide, Texas

| TOC Elevation (ft NAVD) | Date | Total Depth (ft below TOC) | Depth to Water (ft below TOC) | Depth to LNAPL (ft below TOC) | LNAPL Thickness (ft) | Groundwater Elevation (ft NAVD) ⁽¹⁾ |
|-------------------------------|------------|-------------------------------|----------------------------------|----------------------------------|-------------------------|--|
| MW-12 | | | | | | |
| 3,151.33 | 8/7/2015 | NM | 94.70 | NA | NA | 3,056.63 |
| | 1/25/2016 | 114.18 | 94.68 | NA | NA | 3,056.65 |
| | 7/20/2016 | NM | 94.69 | NA | NA | 3,056.64 |
| | 1/11/2017 | NM | 94.70 | NA | NA | 3,056.63 |
| | 4/7/2017 | 114.15 | 94.66 | NA | NA | 3,056.67 |
| | 7/13/2017 | NM | 94.60 | NA | NA | 3,056.73 |
| | 10/3/2017 | NM | 94.87 | NA | NA | 3,056.46 |
| | 1/12/2018 | NM | 94.66 | NA | NA | 3,056.67 |
| | 4/2/2018 | NM | 94.74 | NA | NA | 3,056.59 |
| | 07/02/18 | NM | 94.71 | NA | NA | 3,056.62 |
| | 10/1/2018 | NM | 94.87 | NA | NA | 3,056.46 |
| | 1/8/2019 | NM | 94.92 | NA | NA | 3,056.41 |
| | 4/10/2019 | NM | 94.75 | NA | NA | 3,056.58 |
| | 7/9/2019 | 114.14 | 94.85 | NA | NA | 3,056.48 |
| | 10/8/2019 | NM | 94.71 | NA | NA | 3,056.62 |
| | 1/15/2020 | NM | 94.97 | NA | NA | 3,056.36 |
| | 4/7/2020 | 114.16 | 94.85 | NA | NA | 3,056.48 |
| | 7/8/2020 | 114.14 | 94.85 | NA | NA | 3,056.48 |
| | 10/12/2020 | 114.14 | 94.97 | NA | NA | 3,056.36 |
| MW-13 | | | | | | |
| 3,168.41 | 8/7/2015 | NM | 98.61 | NA | NA | 3,069.80 |
| | 1/25/2016 | 127.85 | 98.88 | NA | NA | 3,069.53 |
| | 7/21/2016 | NM | 98.78 | NA | NA | 3,069.63 |
| | 1/11/2017 | NM | 98.49 | NA | NA | 3,069.92 |
| | 4/10/2017 | 127.90 | 98.70 | NA | NA | 3,069.71 |
| | 7/13/2017 | NM | 98.60 | NA | NA | 3,069.81 |
| | 10/3/2017 | NM | 98.70 | NA | NA | 3,069.71 |
| | 1/12/2018 | NM | 98.61 | NA | NA | 3,069.80 |
| | 4/2/2018 | NM | 98.80 | NA | NA | 3,069.61 |
| | 07/02/18 | NM | 98.74 | NA | NA | 3,069.67 |
| | 10/1/2018 | NM | 98.88 | NA | NA | 3,069.53 |
| | 1/8/2019 | NM | 98.90 | NA | NA | 3,069.51 |
| | 4/10/2019 | NM | 98.83 | NA | NA | 3,069.58 |
| | 7/10/2019 | 127.89 | 98.88 | NA | NA | 3,069.53 |
| | 10/9/2019 | NM | 98.94 | NA | NA | 3,069.47 |
| | 1/16/2020 | NM | 98.99 | NA | NA | 3,069.42 |
| | 4/8/2020 | 127.95 | 98.89 | NA | NA | 3,069.52 |
| | 7/6/2020 | 127.86 | 98.95 | NA | NA | 3,069.46 |
| | 10/12/2020 | 127.89 | 99.01 | NA | NA | 3,069.40 |
| MW-14 | | | | | | |
| 3,182.69 | 8/7/2015 | NM | 106.69 | NA | NA | 3,076.00 |
| | 1/25/2016 | 124.62 | 106.78 | NA | NA | 3,075.91 |
| | 7/21/2016 | NM | 106.90 | NA | NA | 3,075.79 |
| | 1/11/2017 | NM | 106.78 | NA | NA | 3,075.91 |
| | 4/10/2017 | 124.48 | 107.01 | NA | NA | 3,075.68 |
| | 7/13/2017 | NM | 106.88 | NA | NA | 3,075.81 |
| | 10/3/2017 | NM | 106.95 | NA | NA | 3,075.74 |
| | 1/12/2018 | NM | 106.85 | NA | NA | 3,075.84 |
| | 4/2/2018 | NM | 107.00 | NA | NA | 3,075.69 |
| | 07/02/18 | NM | 106.91 | NA | NA | 3,075.78 |
| | 10/1/2018 | NM | 106.98 | NA | NA | 3,075.71 |
| | 1/8/2019 | NM | 106.97 | NA | NA | 3,075.72 |
| | 4/9/2019 | NM | 106.96 | NA | NA | 3,075.73 |
| | 7/10/2019 | 124.43 | 107.00 | NA | NA | 3,075.69 |
| | 10/9/2019 | NM | 106.96 | NA | NA | 3,075.73 |
| | 1/16/2020 | NM | 107.06 | NA | NA | 3,075.63 |
| | 4/8/2020 | 124.43 | 106.99 | NA | NA | 3,075.70 |
| | 7/6/2020 | 124.47 | 107.02 | NA | NA | 3,075.67 |
| | 10/12/2020 | 124.48 | 107.05 | NA | NA | 3,075.64 |

Appendix A

Historical Groundwater Elevation Measurements
Chevron Dollarhide Unit
Dollarhide, Texas

| TOC Elevation (ft NAVD) | Date | Total Depth (ft below TOC) | Depth to Water (ft below TOC) | Depth to LNAPL (ft below TOC) | LNAPL Thickness (ft) | Groundwater Elevation (ft NAVD) ⁽¹⁾ |
|-------------------------------|------------|-------------------------------|----------------------------------|----------------------------------|-------------------------|--|
| MW-15 | | | | | | |
| 3,184.55 | 8/7/2015 | NM | 104.29 | NA | NA | 3,080.26 |
| | 1/25/2016 | 126.36 | 104.56 | NA | NA | 3,079.99 |
| | 7/21/2016 | NM | 104.60 | NA | NA | 3,079.95 |
| | 1/11/2017 | NM | 104.45 | NA | NA | 3,080.10 |
| | 4/10/2017 | NM | 104.76 | NA | NA | 3,079.79 |
| | 7/13/2017 | NM | 104.52 | NA | NA | 3,080.03 |
| | 10/3/2017 | NM | 104.66 | NA | NA | 3,079.89 |
| | 1/12/2018 | NM | 104.45 | NA | NA | 3,080.10 |
| | 4/2/2018 | NM | 104.63 | NA | NA | 3,079.92 |
| | 07/02/18 | NM | 104.56 | NA | NA | 3,079.99 |
| | 10/1/2018 | NM | 104.57 | NA | NA | 3,079.98 |
| | 1/8/2019 | NM | 104.54 | NA | NA | 3,080.01 |
| | 4/10/2019 | NM | 104.50 | NA | NA | 3,080.05 |
| | 7/10/2019 | 126.59 | 104.49 | NA | NA | 3,080.06 |
| | 10/9/2019 | NM | 104.35 | NA | NA | 3,080.20 |
| | 1/16/2020 | NM | 104.51 | NA | NA | 3,080.04 |
| | 4/8/2020 | 126.64 | 104.42 | NA | NA | 3,080.13 |
| | 7/6/2020 | 126.61 | 104.43 | NA | NA | 3,080.12 |
| | 10/12/2020 | 126.61 | 104.44 | NA | NA | 3,080.11 |
| MW-16 | | | | | | |
| 3,167.93 | 8/7/2015 | NM | 99.76 | NA | NA | 3,068.17 |
| | 1/25/2016 | 119.30 | 99.86 | NA | NA | 3,068.07 |
| | 7/21/2016 | NM | 100.02 | NA | NA | 3,067.91 |
| | 1/11/2017 | NM | 99.88 | NA | NA | 3,068.05 |
| | 4/10/2017 | 119.07 | 100.03 | NA | NA | 3,067.90 |
| | 7/13/2017 | NM | 99.94 | NA | NA | 3,067.99 |
| | 10/3/2017 | NM | 100.01 | NA | NA | 3,067.92 |
| | 1/12/2018 | NM | 99.83 | NA | NA | 3,068.10 |
| | 4/2/2018 | NM | 99.97 | NA | NA | 3,067.96 |
| | 07/02/18 | NM | 99.92 | NA | NA | 3,068.01 |
| | 10/1/2018 | NM | 99.93 | NA | NA | 3,068.00 |
| | 1/8/2019 | NM | 99.86 | NA | NA | 3,068.07 |
| | 4/10/2019 | NM | 99.86 | NA | NA | 3,068.07 |
| | 7/10/2019 | 119.06 | 99.83 | NA | NA | 3,068.10 |
| | 10/9/2019 | NM | 99.72 | NA | NA | 3,068.21 |
| | 1/16/2020 | NM | 99.80 | NA | NA | 3,068.13 |
| | 4/8/2020 | 119.10 | 99.70 | NA | NA | 3,068.23 |
| | 7/6/2020 | 119.05 | 99.72 | NA | NA | 3,068.21 |
| | 10/12/2020 | 119.06 | 99.73 | NA | NA | 3,068.20 |
| MW-17 | | | | | | |
| 3,147.44 | 8/7/2015 | NM | 83.74 | NA | NA | 3,063.70 |
| | 1/25/2016 | 118.27 | 84.18 | NA | NA | 3,063.26 |
| | 7/20/2016 | NM | 82.79 | NA | NA | 3,064.65 |
| | 1/11/2017 | NM | 83.75 | NA | NA | 3,063.69 |
| | 4/10/2017 | 118.26 | 84.27 | NA | NA | 3,063.17 |
| | 7/13/2017 | NM | 84.06 | NA | NA | 3,063.38 |
| | 10/3/2017 | NM | 84.08 | NA | NA | 3,063.36 |
| | 1/12/2018 | NM | 83.79 | NA | NA | 3,063.65 |
| | 4/2/2018 | NM | 84.26 | NA | NA | 3,063.18 |
| | 07/02/18 | NM | 84.32 | NA | NA | 3,063.12 |
| | 10/1/2018 | NM | 84.41 | NA | NA | 3,063.03 |
| | 1/8/2019 | NM | 84.25 | NA | NA | 3,063.19 |
| | 4/10/2019 | NM | 84.02 | NA | NA | 3,063.42 |
| | 7/10/2019 | 118.20 | 84.15 | NA | NA | 3,063.29 |
| | 10/9/2019 | NM | 84.09 | NA | NA | 3,063.35 |
| | 1/16/2020 | NM | 84.24 | NA | NA | 3,063.20 |
| | 4/8/2020 | 118.34 | 84.15 | NA | NA | 3,063.29 |
| | 7/6/2020 | 118.31 | 84.28 | NA | NA | 3,063.16 |
| | 10/12/2020 | 118.32 | 84.36 | NA | NA | 3,063.08 |

Appendix A

Historical Groundwater Elevation Measurements
Chevron Dollarhide Unit
Dollarhide, Texas

| TOC Elevation (ft NAVD) | Date | Total Depth (ft below TOC) | Depth to Water (ft below TOC) | Depth to LNAPL (ft below TOC) | LNAPL Thickness (ft) | Groundwater Elevation (ft NAVD) ⁽¹⁾ |
|-------------------------------|------------|-------------------------------|----------------------------------|----------------------------------|-------------------------|--|
| MW-18 | | | | | | |
| 3,155.01 | 8/7/2015 | NM | 95.94 | NA | NA | 3,059.07 |
| | 1/25/2016 | 122.40 | 95.81 | NA | NA | 3,059.20 |
| | 7/20/2016 | NM | 95.91 | NA | NA | 3,059.10 |
| | 1/12/2017 | NM | 95.82 | NA | NA | 3,059.19 |
| | 4/7/2017 | 122.37 | 95.76 | NA | NA | 3,059.25 |
| | 7/13/2017 | NM | 95.67 | NA | NA | 3,059.34 |
| | 10/3/2017 | NM | 95.87 | NA | NA | 3,059.14 |
| | 1/12/2018 | NM | 95.72 | NA | NA | 3,059.29 |
| | 4/2/2018 | NM | 95.80 | NA | NA | 3,059.21 |
| | 07/02/18 | NM | 95.74 | NA | NA | 3,059.27 |
| | 10/1/2018 | NM | 95.90 | NA | NA | 3,059.11 |
| | 1/8/2019 | NM | 95.88 | NA | NA | 3,059.13 |
| | 4/9/2019 | NM | 95.76 | NA | NA | 3,059.25 |
| | 7/10/2019 | 122.35 | 95.89 | NA | NA | 3,059.12 |
| | 10/9/2019 | NM | 95.84 | NA | NA | 3,059.17 |
| | 1/15/2020 | NM | 95.92 | NA | NA | 3,059.09 |
| | 4/7/2020 | 122.47 | 95.83 | NA | NA | 3,059.18 |
| | 7/8/2020 | 122.33 | 95.81 | NA | NA | 3,059.20 |
| | 10/12/2020 | 122.35 | 95.96 | NA | NA | 3,059.05 |
| MW-19 | | | | | | |
| 3,149.90 | 8/7/2015 | NM | 99.58 | NA | NA | 3,050.32 |
| | 1/25/2016 | 115.04 | 99.68 | NA | NA | 3,050.22 |
| | 7/20/2016 | NM | 99.78 | NA | NA | 3,050.12 |
| | 1/12/2017 | NM | 99.68 | NA | NA | 3,050.22 |
| | 4/7/2017 | 115.03 | 99.78 | NA | NA | 3,050.12 |
| | 7/13/2017 | NM | 99.61 | NA | NA | 3,050.29 |
| | 10/3/2017 | NM | 99.83 | NA | NA | 3,050.07 |
| | 1/12/2018 | NM | 99.63 | NA | NA | 3,050.27 |
| | 4/2/2018 | NM | 99.69 | NA | NA | 3,050.21 |
| | 07/02/18 | NM | 99.85 | NA | NA | 3,050.05 |
| | 10/1/2018 | NM | 99.75 | NA | NA | 3,050.15 |
| | 1/8/2019 | NM | 99.78 | NA | NA | 3,050.12 |
| | 4/9/2019 | NM | 99.56 | NA | NA | 3,050.34 |
| | 7/10/2019 | 114.99 | 99.69 | NA | NA | 3,050.21 |
| | 10/9/2019 | NM | 99.54 | NA | NA | 3,050.36 |
| | 1/15/2020 | NM | 99.67 | NA | NA | 3,050.23 |
| | 4/7/2020 | 115.01 | 99.56 | NA | NA | 3,050.34 |
| | 7/8/2020 | 115.00 | 99.48 | NA | NA | 3,050.42 |
| | 10/12/2020 | 115.01 | 99.58 | NA | NA | 3,050.32 |
| MW-20 | | | | | | |
| 3,120.09 | 8/7/2015 | NM | 88.96 | NA | NA | 3,031.13 |
| | 1/25/2016 | 112.91 | 88.96 | NA | NA | 3,031.13 |
| | 7/20/2016 | NM | 89.07 | NA | NA | 3,031.02 |
| | 1/12/2017 | NM | 89.00 | NA | NA | 3,031.09 |
| | 4/7/2017 | 112.65 | 88.97 | NA | NA | 3,031.12 |
| | 7/13/2017 | NM | 88.76 | NA | NA | 3,031.33 |
| | 10/3/2017 | NM | 88.88 | NA | NA | 3,031.21 |
| | 1/12/2018 | NM | 88.75 | NA | NA | 3,031.34 |
| | 4/2/2018 | NM | 88.67 | NA | NA | 3,031.42 |
| | 07/02/18 | NM | 88.69 | NA | NA | 3,031.40 |
| | 10/1/2018 | NM | 88.59 | NA | NA | 3,031.50 |
| | 1/8/2019 | NM | 88.57 | NA | NA | 3,031.52 |
| | 4/5/2019 | NM | 88.37 | NA | NA | 3,031.72 |
| | 7/9/2019 | 112.53 | 88.31 | NA | NA | 3,031.78 |
| | 10/8/2019 | NM | 88.19 | NA | NA | 3,031.90 |
| | 1/14/2020 | NM | 88.27 | NA | NA | 3,031.82 |
| | 4/7/2020 | 112.51 | 88.15 | NA | NA | 3,031.94 |
| | 7/9/2020 | 112.53 | 88.07 | NA | NA | 3,032.02 |
| | 10/12/2020 | 112.55 | 88.09 | NA | NA | 3,032.00 |

Appendix A

Historical Groundwater Elevation Measurements
Chevron Dollarhide Unit
Dollarhide, Texas

| TOC Elevation (ft NAVD) | Date | Total Depth (ft below TOC) | Depth to Water (ft below TOC) | Depth to LNAPL (ft below TOC) | LNAPL Thickness (ft) | Groundwater Elevation (ft NAVD) ⁽¹⁾ |
|-------------------------------|------------|-------------------------------|----------------------------------|----------------------------------|-------------------------|--|
| MW-21 | | | | | | |
| 3,159.65 | 7/21/2016 | NM | 92.31 | NA | NA | 3,067.34 |
| | 1/12/2017 | NM | 92.41 | NA | NA | 3,067.24 |
| | 4/10/2017 | 123.74 | 92.65 | NA | NA | 3,067.00 |
| | 7/13/2017 | NM | 92.55 | NA | NA | 3,067.10 |
| | 10/3/2017 | NM | 92.65 | NA | NA | 3,067.00 |
| | 1/12/2018 | NM | 92.47 | NA | NA | 3,067.18 |
| | 4/2/2018 | NM | 92.64 | NA | NA | 3,067.01 |
| | 07/02/18 | NM | 92.65 | NA | NA | 3,067.00 |
| | 10/1/2018 | NM | 92.74 | NA | NA | 3,066.91 |
| | 1/8/2019 | NM | 92.73 | NA | NA | 3,066.92 |
| | 4/10/2019 | NM | 92.64 | NA | NA | 3,067.01 |
| | 7/10/2019 | 123.75 | 92.70 | NA | NA | 3,066.95 |
| | 10/9/2019 | NM | 92.61 | NA | NA | 3,067.04 |
| | 1/16/2020 | NM | 92.80 | NA | NA | 3,066.85 |
| | 4/8/2020 | 123.76 | 92.65 | NA | NA | 3,067.00 |
| | 7/6/2020 | 123.75 | 92.72 | NA | NA | 3,066.93 |
| | 10/12/2020 | 123.75 | 92.78 | NA | NA | 3,066.87 |
| MW-22 | | | | | | |
| 3,152.50 | 4/10/2017 | 117.94 | 87.78 | NA | NA | 3,064.72 |
| | 7/13/2017 | NM | 87.64 | NA | NA | 3,064.86 |
| | 10/3/2017 | NM | 87.71 | NA | NA | 3,064.79 |
| | 1/12/2018 | NM | 87.50 | NA | NA | 3,065.00 |
| | 4/2/2018 | NM | 87.75 | NA | NA | 3,064.75 |
| | 07/02/18 | NM | 87.75 | NA | NA | 3,064.75 |
| | 10/1/2018 | NM | 87.85 | NA | NA | 3,064.65 |
| | 1/8/2019 | NM | 87.90 | NA | NA | 3,064.60 |
| | 4/10/2019 | NM | 87.79 | NA | NA | 3,064.71 |
| | 7/10/2019 | 114.81 | 87.93 | NA | NA | 3,064.57 |
| | 10/9/2019 | NM | 87.80 | NA | NA | 3,064.70 |
| | 1/16/2020 | NM | 88.03 | NA | NA | 3,064.47 |
| | 4/8/2020 | 117.15 | 87.91 | NA | NA | 3,064.59 |
| | 7/6/2020 | 117.24 | 87.99 | NA | NA | 3,064.51 |
| | 10/12/2020 | 117.23 | 88.04 | NA | NA | 3,064.46 |
| MW-23 | | | | | | |
| 3,151.66 | 7/21/2016 | NM | 87.03 | NA | NA | 3,064.63 |
| | 1/11/2017 | NM | 86.74 | NA | NA | 3,064.92 |
| | 4/10/2017 | 124.94 | 87.02 | NA | NA | 3,064.64 |
| | 7/13/2017 | NM | 86.86 | NA | NA | 3,064.80 |
| | 10/3/2017 | NM | 86.95 | NA | NA | 3,064.71 |
| | 1/12/2018 | NM | 86.75 | NA | NA | 3,064.91 |
| | 4/2/2018 | NM | 86.98 | NA | NA | 3,064.68 |
| | 07/02/18 | NM | 86.98 | NA | NA | 3,064.68 |
| | 10/1/2018 | NM | 87.08 | NA | NA | 3,064.58 |
| | 1/8/2019 | NM | 87.17 | NA | NA | 3,064.49 |
| | 4/10/2019 | NM | 87.02 | NA | NA | 3,064.64 |
| | 7/10/2019 | 104.97 | 87.12 | NA | NA | 3,064.54 |
| | 10/9/2019 | NM | 87.06 | NA | NA | 3,064.60 |
| | 1/16/2020 | NM | 87.26 | NA | NA | 3,064.40 |
| | 4/8/2020 | 124.89 | 87.12 | NA | NA | 3,064.54 |
| | 7/6/1930 | 124.88 | 87.21 | NA | NA | 3,064.45 |
| | 10/12/2020 | 124.91 | 87.26 | NA | NA | 3,064.40 |

Appendix A

Historical Groundwater Elevation Measurements
Chevron Dollarhide Unit
Dollarhide, Texas

| TOC Elevation (ft NAVD) | Date | Total Depth (ft below TOC) | Depth to Water (ft below TOC) | Depth to LNAPL (ft below TOC) | LNAPL Thickness (ft) | Groundwater Elevation (ft NAVD) ⁽¹⁾ |
|-------------------------------|------------|-------------------------------|----------------------------------|----------------------------------|-------------------------|--|
| MW-24 | | | | | | |
| 3,144.88 | 7/20/2016 | NM | 95.02 | NA | NA | 3,049.86 |
| | 1/12/2017 | NM | 95.11 | NA | NA | 3,049.77 |
| | 4/7/2017 | 115.39 | 95.15 | NA | NA | 3,049.73 |
| | 7/13/2017 | NM | 95.11 | NA | NA | 3,049.77 |
| | 10/3/2017 | NM | 95.33 | NA | NA | 3,049.55 |
| | 1/12/2018 | NM | 95.18 | NA | NA | 3,049.70 |
| | 4/2/2018 | NM | 95.23 | NA | NA | 3,049.65 |
| | 07/02/18 | NM | 95.12 | NA | NA | 3,049.76 |
| | 10/1/2018 | NM | 95.25 | NA | NA | 3,049.63 |
| | 1/8/2019 | NM | 95.22 | NA | NA | 3,049.66 |
| | 4/9/2019 | NM | 95.05 | NA | NA | 3,049.83 |
| | 7/9/2019 | 115.43 | 95.08 | NA | NA | 3,049.80 |
| | 10/8/2019 | NM | 95.03 | NA | NA | 3,049.85 |
| | 1/15/2020 | NM | 95.19 | NA | NA | 3,049.69 |
| | 4/7/2020 | 115.46 | 95.06 | NA | NA | 3,049.82 |
| | 7/8/2020 | 115.42 | 95.10 | NA | NA | 3,049.78 |
| | 10/12/2020 | 115.43 | 95.24 | NA | NA | 3,049.64 |
| MW-25 | | | | | | |
| 3,165.45 | 7/21/2016 | NM | 103.05 | NA | NA | 3,062.40 |
| | 1/11/2017 | NM | 103.00 | NA | NA | 3,062.45 |
| | 4/10/2017 | 116.81 | 103.26 | NA | NA | 3,062.19 |
| | 7/13/2017 | NM | 103.17 | NA | NA | 3,062.28 |
| | 10/3/2017 | NM | 103.20 | NA | NA | 3,062.25 |
| | 1/12/2018 | NM | 103.04 | NA | NA | 3,062.41 |
| | 4/2/2018 | NM | 103.50 | NA | NA | 3,061.95 |
| | 07/02/18 | NM | 103.29 | NA | NA | 3,062.16 |
| | 10/1/2018 | NM | 103.34 | NA | NA | 3,062.11 |
| | 1/8/2019 | NM | 103.39 | NA | NA | 3,062.06 |
| | 4/9/2019 | NM | 103.28 | NA | NA | 3,062.17 |
| | 7/10/2019 | 116.79 | 103.38 | NA | NA | 3,062.07 |
| | 10/9/2019 | NM | 103.31 | NA | NA | 3,062.14 |
| | 1/15/2020 | NM | 103.45 | NA | NA | 3,062.00 |
| | 4/7/2020 | 116.81 | 103.41 | NA | NA | 3,062.04 |
| | 7/8/2020 | 116.82 | 103.44 | NA | NA | 3,062.01 |
| | 10/12/2020 | 116.83 | 103.49 | NA | NA | 3,061.96 |
| MW-26 | | | | | | |
| 3,136.99 | 1/12/2017 | NM | 93.78 | NA | NA | 3,043.21 |
| | 4/7/2017 | 108.41 | 93.83 | NA | NA | 3,043.16 |
| | 7/13/2017 | NM | 93.75 | NA | NA | 3,043.24 |
| | 10/3/2017 | NM | 94.00 | NA | NA | 3,042.99 |
| | 1/12/2018 | NM | 93.76 | NA | NA | 3,043.23 |
| | 4/2/2018 | NM | 93.89 | NA | NA | 3,043.10 |
| | 07/02/18 | NM | 94.00 | NA | NA | 3,042.99 |
| | 10/1/2018 | NM | 93.91 | NA | NA | 3,043.08 |
| | 1/6/2019 | NM | 93.88 | NA | NA | 3,043.11 |
| | 4/9/2019 | NM | 93.74 | NA | NA | 3,043.25 |
| | 7/9/2019 | 108.37 | 93.76 | NA | NA | 3,043.23 |
| | 10/8/2019 | NM | 93.61 | NA | NA | 3,043.38 |
| | 1/15/2020 | NM | 93.84 | NA | NA | 3,043.15 |
| | 4/7/2020 | 108.41 | 93.71 | NA | NA | 3,043.28 |
| | 7/8/2020 | 108.40 | 93.66 | NA | NA | 3,043.33 |
| | 10/12/2020 | 108.29 | 93.74 | NA | NA | 3,043.25 |

Appendix A

Historical Groundwater Elevation Measurements
Chevron Dollarhide Unit
Dollarhide, Texas

| TOC Elevation (ft NAVD) | Date | Total Depth (ft below TOC) | Depth to Water (ft below TOC) | Depth to LNAPL (ft below TOC) | LNAPL Thickness (ft) | Groundwater Elevation (ft NAVD) ⁽¹⁾ |
|-------------------------------|------------|-------------------------------|----------------------------------|----------------------------------|-------------------------|--|
| MW-27 | | | | | | |
| 3,126.99 | 7/20/2016 | NM | 91.61 | NA | NA | 3,035.38 |
| | 1/11/2017 | NM | 91.40 | NA | NA | 3,035.59 |
| | 4/7/2017 | 108.40 | 91.65 | NA | NA | 3,035.34 |
| | 7/13/2017 | NM | 91.60 | NA | NA | 3,035.39 |
| | 10/3/2017 | NM | 91.80 | NA | NA | 3,035.19 |
| | 1/12/2018 | NM | 91.78 | NA | NA | 3,035.21 |
| | 4/2/2018 | NM | 92.08 | NA | NA | 3,034.91 |
| | 07/02/18 | NM | 91.98 | NA | NA | 3,035.01 |
| | 10/1/2018 | NM | 92.07 | NA | NA | 3,034.92 |
| | 1/8/2019 | NM | 91.86 | NA | NA | 3,035.13 |
| | 4/5/2019 | NM | 91.70 | NA | NA | 3,035.29 |
| | 7/9/2019 | 108.04 | 91.66 | NA | NA | 3,035.33 |
| | 10/8/2019 | NM | 91.50 | NA | NA | 3,035.49 |
| | 1/14/2020 | NM | 91.50 | NA | NA | 3,035.49 |
| | 4/7/2020 | 108.48 | 91.42 | NA | NA | 3,035.57 |
| | 7/8/2020 | 108.39 | 91.35 | NA | NA | 3,035.64 |
| | 10/12/2020 | 108.40 | 91.39 | NA | NA | 3,035.60 |
| MW-28 | | | | | | |
| 3,093.86 | 1/10/2017 | NM | 83.60 | NA | NA | 3,010.26 |
| | 4/7/2017 | 104.02 | 83.74 | NA | NA | 3,010.12 |
| | 7/13/2017 | NM | 83.78 | NA | NA | 3,010.08 |
| | 10/3/2017 | NM | 83.79 | NA | NA | 3,010.07 |
| | 1/12/2018 | NM | 83.84 | NA | NA | 3,010.02 |
| | 4/2/2018 | NM | 83.84 | NA | NA | 3,010.02 |
| | 07/02/18 | NM | 83.89 | NA | NA | 3,009.97 |
| | 10/1/2018 | NM | 83.62 | NA | NA | 3,010.24 |
| | 1/9/2019 | NM | 83.79 | NA | NA | 3,010.07 |
| | 4/9/2019 | NM | 83.89 | NA | NA | 3,009.97 |
| | 7/9/2019 | 103.95 | 83.93 | NA | NA | 3,009.93 |
| | 10/8/2019 | NM | 83.93 | NA | NA | 3,009.93 |
| | 1/15/2020 | NM | 83.94 | NA | NA | 3,009.92 |
| | 4/7/2020 | 104.04 | 83.89 | NA | NA | 3,009.97 |
| | 7/8/2020 | 104.04 | 83.95 | NA | NA | 3,009.91 |
| | 10/8/2020 | 104.02 | 83.94 | NA | NA | 3,009.92 |
| MW-29 | | | | | | |
| 3,098.60 | 1/10/2017 | NM | 99.85 | NA | NA | 2,998.75 |
| | 4/7/2017 | 113.55 | 99.97 | NA | NA | 2,998.63 |
| | 7/13/2017 | NM | 100.00 | NA | NA | 2,998.60 |
| | 10/3/2017 | NM | 99.95 | NA | NA | 2,998.65 |
| | 1/12/2018 | NM | 100.08 | NA | NA | 2,998.52 |
| | 4/2/2018 | NM | 100.17 | NA | NA | 2,998.43 |
| | 07/02/18 | NM | 100.16 | NA | NA | 2,998.44 |
| | 10/1/2018 | NM | 100.11 | NA | NA | 2,998.49 |
| | 1/7/2019 | NM | 100.04 | NA | NA | 2,998.56 |
| | 4/5/2019 | NM | 100.21 | NA | NA | 2,998.39 |
| | 7/9/2019 | 113.41 | 100.25 | NA | NA | 2,998.35 |
| | 10/8/2019 | NM | 100.22 | NA | NA | 2,998.38 |
| | 1/15/2020 | NM | 100.30 | NA | NA | 2,998.30 |
| | 4/7/2020 | 113.50 | 100.31 | NA | NA | 2,998.29 |
| | 7/8/2020 | 113.42 | 100.29 | NA | NA | 2,998.31 |
| | 10/8/2020 | 113.42 | 100.26 | NA | NA | 2,998.34 |

Appendix A

Historical Groundwater Elevation Measurements
Chevron Dollarhide Unit
Dollarhide, Texas

| TOC Elevation (ft NAVD) | Date | Total Depth (ft below TOC) | Depth to Water (ft below TOC) | Depth to LNAPL (ft below TOC) | LNAPL Thickness (ft) | Groundwater Elevation (ft NAVD) ⁽¹⁾ |
|-------------------------------|------------|-------------------------------|----------------------------------|----------------------------------|-------------------------|--|
| MW-30 | | | | | | |
| 3,170.95 | 7/13/2017 | NM | 103.41 | NA | NA | 3,067.54 |
| | 10/3/2017 | NM | 103.57 | NA | NA | 3,067.38 |
| | 1/12/2018 | NM | 103.19 | NA | NA | 3,067.76 |
| | 4/2/2018 | NM | 103.71 | NA | NA | 3,067.24 |
| | 07/02/18 | NM | 103.46 | NA | NA | 3,067.49 |
| | 10/1/2018 | NM | 103.58 | NA | NA | 3,067.37 |
| | 1/8/2019 | NM | 103.67 | NA | NA | 3,067.28 |
| | 4/10/2019 | NM | 103.52 | NA | NA | 3,067.43 |
| | 7/10/2019 | 123.89 | 103.66 | NA | NA | 3,067.29 |
| | 10/9/2019 | NM | 103.48 | NA | NA | 3,067.47 |
| | 1/16/2020 | NM | 103.92 | NA | NA | 3,067.03 |
| | 4/8/2020 | 123.89 | 103.67 | NA | NA | 3,067.28 |
| | 7/6/2020 | 123.89 | 103.73 | NA | NA | 3,067.22 |
| | 10/12/2020 | 123.91 | 103.78 | NA | NA | 3,067.17 |
| MW-31 | | | | | | |
| 3,145.41 | 7/13/2017 | NM | 94.50 | NA | NA | 3,050.91 |
| | 10/3/2017 | NM | 94.74 | NA | NA | 3,050.67 |
| | 1/12/2018 | NM | 94.60 | NA | NA | 3,050.81 |
| | 4/2/2018 | NM | 94.60 | NA | NA | 3,050.81 |
| | 07/02/18 | NM | 94.50 | NA | NA | 3,050.91 |
| | 10/1/2018 | NM | 94.62 | NA | NA | 3,050.79 |
| | 1/8/2019 | NM | 94.59 | NA | NA | 3,050.82 |
| | 4/5/2019 | NM | 94.42 | NA | NA | 3,050.99 |
| | 7/9/2019 | 102.57 | 94.46 | NA | NA | 3,050.95 |
| | 10/8/2019 | NM | 94.40 | NA | NA | 3,051.01 |
| | 1/16/2020 | NM | 94.60 | NA | NA | 3,050.81 |
| | 4/7/2020 | 102.77 | 94.44 | NA | NA | 3,050.97 |
| | 7/8/2020 | 102.74 | 94.48 | NA | NA | 3,050.93 |
| | 10/12/2020 | 102.79 | 94.63 | NA | NA | 3,050.78 |
| MW-32 | | | | | | |
| 3,090.28 | 4/10/2019 | 94.04 | 81.18 | NA | NA | 3,009.10 |
| | 7/9/2019 | 93.44 | 81.39 | NA | NA | 3,008.89 |
| | 10/8/2019 | NM | 81.42 | NA | NA | 3,008.86 |
| | 1/15/2020 | NM | 81.45 | NA | NA | 3,008.83 |
| | 4/8/2020 | 93.40 | 81.35 | NA | NA | 3,008.93 |
| | 7/8/2020 | 93.47 | 81.41 | NA | NA | 3,008.87 |
| | 10/8/2020 | 93.41 | 81.46 | NA | NA | 3,008.82 |
| MW-33 | | | | | | |
| 3,080.02 | 4/10/2019 | 92.98 | 76.84 | NA | NA | 3,003.18 |
| | 7/9/2019 | 92.97 | 77.00 | NA | NA | 3,003.02 |
| | 10/8/2019 | NM | 77.09 | NA | NA | 3,002.93 |
| | 1/15/2020 | NM | 77.09 | NA | NA | 3,002.93 |
| | 4/8/2020 | 92.58 | 76.98 | NA | NA | 3,003.04 |
| | 7/8/2020 | 92.72 | 76.99 | NA | NA | 3,003.03 |
| | 10/8/2020 | 92.81 | 77.07 | NA | NA | 3,002.95 |
| MW-34 | | | | | | |
| 3,069.95 | 4/10/2019 | 78.04 | 71.21 | NA | NA | 2,998.74 |
| | 7/9/2019 | 78.03 | 71.42 | NA | NA | 2,998.53 |
| | 10/8/2019 | NM | 71.45 | NA | NA | 2,998.50 |
| | 1/15/2020 | NM | 71.41 | NA | NA | 2,998.54 |
| | 4/8/2020 | 78.02 | 71.45 | NA | NA | 2,998.50 |
| | 7/8/2020 | 78.07 | 71.49 | NA | NA | 2,998.46 |
| | 10/8/2020 | 78.05 | 71.53 | NA | NA | 2,998.42 |

Appendix A

Historical Groundwater Elevation Measurements
Chevron Dollarhide Unit
Dollarhide, Texas

| TOC Elevation (ft NAVD) | Date | Total Depth (ft below TOC) | Depth to Water (ft below TOC) | Depth to LNAPL (ft below TOC) | LNAPL Thickness (ft) | Groundwater Elevation (ft NAVD) ⁽¹⁾ |
|-------------------------------|-----------|-------------------------------|----------------------------------|----------------------------------|-------------------------|--|
| NM-MW-1 | | | | | | |
| 3,124.90 | 12/2/2015 | NM | 72.01 | NA | NA | 3,052.89 |
| | 1/25/2016 | 106.86 | 72.01 | NA | NA | 3,052.89 |
| | 7/22/2016 | NM | 71.90 | NA | NA | 3,053.00 |
| | 1/12/2017 | NM | 71.73 | NA | NA | 3,053.17 |
| | 4/7/2017 | 106.36 | 71.78 | NA | NA | 3,053.12 |
| | 7/13/2017 | NM | 71.67 | NA | NA | 3,053.23 |
| | 10/3/2017 | NM | 71.65 | NA | NA | 3,053.25 |
| | 1/12/2018 | NM | 71.63 | NA | NA | 3,053.27 |
| | 4/2/2018 | NM | 71.66 | NA | NA | 3,053.24 |
| | 07/02/18 | NM | 70.65 | NA | NA | 3,054.25 |
| | 10/1/2018 | NM | 71.71 | NA | NA | 3,053.19 |
| | 1/7/2019 | NM | 71.63 | NA | NA | 3,053.27 |
| | 4/4/2019 | NM | 71.61 | NA | NA | 3,053.29 |
| | 7/8/2019 | 105.91 | 71.58 | NA | NA | 3,053.32 |
| | 10/7/2019 | NM | 71.76 | NA | NA | 3,053.14 |
| | 1/13/2020 | NM | 71.66 | NA | NA | 3,053.24 |
| | 4/6/2020 | 105.95 | 71.67 | NA | NA | 3,053.23 |
| | 7/9/2020 | 105.84 | 71.70 | NA | NA | 3,053.20 |
| | 10/7/2020 | 105.94 | 71.84 | NA | NA | 3,053.06 |
| NM-MW-2 | | | | | | |
| 3,152.86 | 12/2/2015 | NM | 96.14 | NA | NA | 3,056.72 |
| | 1/25/2016 | 120.55 | 96.38 | NA | NA | 3,056.48 |
| | 7/22/2016 | NM | 96.28 | NA | NA | 3,056.58 |
| | 1/12/2017 | NM | 96.20 | NA | NA | 3,056.66 |
| | 4/7/2017 | 120.60 | 96.49 | NA | NA | 3,056.37 |
| | 7/13/2017 | NM | 96.25 | NA | NA | 3,056.61 |
| | 10/3/2017 | NM | 96.17 | NA | NA | 3,056.69 |
| | 1/12/2018 | NM | 96.29 | NA | NA | 3,056.57 |
| | 4/2/2018 | NM | 96.18 | NA | NA | 3,056.68 |
| | 07/02/18 | NM | 96.42 | NA | NA | 3,056.44 |
| | 10/1/2018 | NM | 96.28 | NA | NA | 3,056.58 |
| | 1/7/2019 | NM | 96.14 | NA | NA | 3,056.72 |
| | 4/4/2019 | NM | 96.20 | NA | NA | 3,056.66 |
| | 7/8/2019 | 120.53 | 96.02 | NA | NA | 3,056.84 |
| | 10/7/2019 | NM | 96.30 | NA | NA | 3,056.56 |
| | 1/13/2020 | NM | 96.00 | NA | NA | 3,056.86 |
| | 4/6/2020 | 120.68 | 95.98 | NA | NA | 3,056.88 |
| | 7/9/2020 | 120.54 | 95.90 | NA | NA | 3,056.96 |
| | 10/7/2020 | 120.60 | 95.94 | NA | NA | 3,056.92 |
| NM-MW-3 | | | | | | |
| 3,146.86 | 12/2/2015 | NM | 91.70 | NA | NA | 3,055.16 |
| | 1/25/2016 | 105.01 | 91.80 | NA | NA | 3,055.06 |
| | 7/22/2016 | NM | 91.81 | NA | NA | 3,055.05 |
| | 1/12/2017 | NM | 91.75 | NA | NA | 3,055.11 |
| | 4/7/2017 | 105.28 | 91.99 | NA | NA | 3,054.87 |
| | 7/13/2017 | NM | 91.92 | NA | NA | 3,054.94 |
| | 10/3/2017 | NM | 91.90 | NA | NA | 3,054.96 |
| | 1/12/2018 | NM | 91.93 | NA | NA | 3,054.93 |
| | 4/2/2018 | NM | 91.82 | NA | NA | 3,055.04 |
| | 07/02/18 | NM | 91.88 | NA | NA | 3,054.98 |
| | 10/1/2018 | NM | 91.78 | NA | NA | 3,055.08 |
| | 1/7/2019 | NM | 81.68 | NA | NA | 3,065.18 |
| | 4/4/2019 | NM | 91.70 | NA | NA | 3,055.16 |
| | 7/8/2019 | 105.31 | 91.55 | NA | NA | 3,055.31 |
| | 10/7/2019 | NM | 91.72 | NA | NA | 3,055.14 |
| | 1/13/2020 | NM | 91.50 | NA | NA | 3,055.36 |
| | 4/6/2020 | 105.28 | 91.47 | NA | NA | 3,055.39 |
| | 7/9/2020 | 105.27 | 91.40 | NA | NA | 3,055.46 |
| | 10/7/2020 | 105.40 | 91.43 | NA | NA | 3,055.43 |

Appendix A

Historical Groundwater Elevation Measurements
Chevron Dollarhide Unit
Dollarhide, Texas

| TOC Elevation (ft NAVD) | Date | Total Depth (ft below TOC) | Depth to Water (ft below TOC) | Depth to LNAPL (ft below TOC) | LNAPL Thickness (ft) | Groundwater Elevation (ft NAVD) ⁽¹⁾ |
|-------------------------------|------------|-------------------------------|----------------------------------|----------------------------------|-------------------------|--|
| NM-MW-4 | | | | | | |
| 3,154.21 | 12/2/2015 | NM | 110.59 | NA | NA | 3,043.62 |
| | 1/25/2016 | 116.91 | 110.46 | NA | NA | 3,043.75 |
| | 7/22/2016 | NM | 110.57 | NA | NA | 3,043.64 |
| | 1/12/2017 | NM | 110.40 | NA | NA | 3,043.81 |
| | 4/7/2017 | 117.19 | 110.52 | NA | NA | 3,043.69 |
| | 7/13/2017 | NM | 110.50 | NA | NA | 3,043.71 |
| | 10/3/2017 | NM | 110.52 | NA | NA | 3,043.69 |
| | 1/12/2018 | NM | 110.48 | NA | NA | 3,043.73 |
| | 4/2/2018 | NM | 110.55 | NA | NA | 3,043.66 |
| | 07/02/18 | NM | 110.38 | NA | NA | 3,043.83 |
| | 10/1/2018 | NM | 110.44 | NA | NA | 3,043.77 |
| | 1/7/2019 | NM | 110.34 | NA | NA | 3,043.87 |
| | 4/4/2019 | NM | 110.36 | NA | NA | 3,043.85 |
| | 7/8/2019 | 117.12 | 110.27 | NA | NA | 3,043.94 |
| | 10/7/2019 | NM | 110.35 | NA | NA | 3,043.86 |
| | 1/13/2020 | NM | 110.23 | NA | NA | 3,043.98 |
| | 4/6/2020 | 117.11 | 110.24 | NA | NA | 3,043.97 |
| | 7/9/2020 | 117.16 | 110.13 | NA | NA | 3,044.08 |
| | 10/7/2020 | 117.16 | 110.09 | NA | NA | 3,044.12 |
| NM-MW-5 | | | | | | |
| 3,109.14 | 12/2/2015 | NM | DRY | NA | NA | DRY |
| | 1/25/2016 | 115.00 | 99.95 | NA | NA | 3,009.19 |
| | 7/22/2016 | NM | 99.78 | NA | NA | 3,009.36 |
| | 1/12/2017 | NM | 99.70 | NA | NA | 3,009.44 |
| | 4/7/2017 | 114.92 | 99.66 | NA | NA | 3,009.48 |
| | 7/13/2017 | NM | 99.80 | NA | NA | 3,009.34 |
| | 10/32/2017 | NM | 99.69 | NA | NA | 3,009.45 |
| | 1/12/2018 | NM | 99.80 | NA | NA | 3,009.34 |
| | 4/2/2018 | NM | 99.76 | NA | NA | 3,009.38 |
| | 07/02/18 | NM | 99.82 | NA | NA | 3,009.32 |
| | 10/1/2018 | NM | 99.89 | NA | NA | 3,009.25 |
| | 1/7/2019 | NM | 99.61 | NA | NA | 3,009.53 |
| | 4/4/2019 | NM | 99.74 | NA | NA | 3,009.40 |
| | 7/8/2019 | 114.43 | 99.94 | NA | NA | 3,009.20 |
| | 10/7/2019 | NM | 99.78 | NA | NA | 3,009.36 |
| | 1/13/2020 | NM | 99.88 | NA | NA | 3,009.26 |
| | 4/6/2020 | 114.41 | 99.79 | NA | NA | 3,009.35 |
| | 7/9/2020 | 114.37 | 100.01 | NA | NA | 3,009.13 |
| | 10/7/2020 | 114.59 | 100.10 | NA | NA | 3,009.04 |
| NM-MW-6 | | | | | | |
| 3,093.23 | 12/2/2015 | NM | 86.98 | NA | NA | 3,006.25 |
| | 1/25/2016 | 123.21 | 86.93 | NA | NA | 3,006.30 |
| | 7/22/2016 | NM | 87.10 | NA | NA | 3,006.13 |
| | 1/12/2017 | NM | 87.35 | NA | NA | 3,005.88 |
| | 4/7/2017 | 123.16 | 87.42 | NA | NA | 3,005.81 |
| | 7/13/2017 | NM | 87.47 | NA | NA | 3,005.76 |
| | 10/3/2017 | NM | 87.47 | NA | NA | 3,005.76 |
| | 1/12/2018 | NM | 87.57 | NA | NA | 3,005.66 |
| | 4/2/2018 | NM | 87.53 | NA | NA | 3,005.70 |
| | 07/02/18 | NM | 87.66 | NA | NA | 3,005.57 |
| | 10/1/2018 | NM | 87.70 | NA | NA | 3,005.53 |
| | 1/7/2019 | NM | 87.64 | NA | NA | 3,005.59 |
| | 4/4/2019 | NM | 87.81 | NA | NA | 3,005.42 |
| | 7/8/2019 | 121.02 | 87.77 | NA | NA | 3,005.46 |
| | 10/7/2019 | NM | 87.89 | NA | NA | 3,005.34 |
| | 1/13/2020 | NM | 87.83 | NA | NA | 3,005.40 |
| | 4/6/2020 | 121.07 | 87.82 | NA | NA | 3,005.41 |
| | 7/9/2020 | 121.09 | 87.84 | NA | NA | 3,005.39 |
| | 10/7/2020 | 121.80 | 87.92 | NA | NA | 3,005.31 |

Appendix A

Historical Groundwater Elevation Measurements
Chevron Dollarhide Unit
Dollarhide, Texas

| TOC Elevation (ft NAVD) | Date | Total Depth (ft below TOC) | Depth to Water (ft below TOC) | Depth to LNAPL (ft below TOC) | LNAPL Thickness (ft) | Groundwater Elevation (ft NAVD) ⁽¹⁾ |
|-------------------------------|-----------|-------------------------------|----------------------------------|----------------------------------|-------------------------|--|
| NM-MW-7 | | | | | | |
| 3,147.67 | 12/2/2015 | NM | 96.71 | NA | NA | 3,050.96 |
| | 1/25/2016 | 105.52 | 96.79 | NA | NA | 3,050.88 |
| | 7/22/2016 | NM | 96.91 | NA | NA | 3,050.76 |
| | 1/12/2017 | NM | 96.80 | NA | NA | 3,050.87 |
| | 4/7/2017 | 105.89 | 97.20 | NA | NA | 3,050.47 |
| | 7/13/2017 | NM | 97.12 | NA | NA | 3,050.55 |
| | 10/3/2017 | NM | 96.73 | NA | NA | 3,050.94 |
| | 1/12/2018 | NM | 96.40 | NA | NA | 3,051.27 |
| | 4/2/2018 | NM | 96.26 | NA | NA | 3,051.41 |
| | 07/02/18 | NM | 96.13 | NA | NA | 3,051.54 |
| | 10/1/2018 | NM | 96.07 | NA | NA | 3,051.60 |
| | 1/7/2019 | NM | 95.88 | NA | NA | 3,051.79 |
| | 4/4/2019 | NM | 95.91 | NA | NA | 3,051.76 |
| | 7/8/2019 | 105.92 | 95.75 | NA | NA | 3,051.92 |
| | 10/7/2019 | NM | 95.88 | NA | NA | 3,051.79 |
| | 1/13/2020 | NM | 95.65 | NA | NA | 3,052.02 |
| | 4/6/2020 | 106.47 | 95.63 | NA | NA | 3,052.04 |
| | 7/9/2020 | 105.56 | 95.52 | NA | NA | 3,052.15 |
| | 10/7/2020 | 105.84 | 95.53 | NA | NA | 3,052.14 |
| NM-MW-8 | | | | | | |
| 3,138.62 | 4/7/2017 | 108.33 | 98.63 | NA | NA | 3,039.99 |
| | 7/13/2017 | NM | 98.49 | NA | NA | 3,040.13 |
| | 10/3/2017 | NM | 98.42 | NA | NA | 3,040.20 |
| | 1/12/2018 | NM | 98.34 | NA | NA | 3,040.28 |
| | 4/2/2018 | NM | 98.35 | NA | NA | 3,040.27 |
| | 07/02/18 | NM | 98.22 | NA | NA | 3,040.40 |
| | 10/1/2018 | NM | 98.16 | NA | NA | 3,040.46 |
| | 1/7/2019 | NM | 98.03 | NA | NA | 3,040.59 |
| | 4/4/2019 | NM | 98.01 | NA | NA | 3,040.61 |
| | 7/8/2019 | 108.33 | 97.83 | NA | NA | 3,040.79 |
| | 10/7/2019 | NM | 97.89 | NA | NA | 3,040.73 |
| | 1/13/2020 | NM | 97.74 | NA | NA | 3,040.88 |
| | 4/6/2020 | 108.39 | 97.72 | NA | NA | 3,040.90 |
| | 7/9/2020 | 108.36 | 97.54 | NA | NA | 3,041.08 |
| | 10/7/2020 | 108.28 | 97.49 | NA | NA | 3,041.13 |
| NM-MW-9 | | | | | | |
| 3,118.18 | 4/7/2017 | 96.79 | 96.73 | NA | NA | 3,021.45 |
| | 7/13/2017 | NM | 95.58 | NA | NA | 3,022.60 |
| | 10/3/2017 | NM | 95.37 | NA | NA | 3,022.81 |
| | 1/12/2018 | NM | 94.94 | NA | NA | 3,023.24 |
| | 4/2/2018 | NM | 94.71 | NA | NA | 3,023.47 |
| | 07/02/18 | NM | 94.60 | NA | NA | 3,023.58 |
| | 10/1/2018 | NM | 94.60 | NA | NA | 3,023.58 |
| | 1/7/2019 | NM | 94.39 | NA | NA | 3,023.79 |
| | 4/5/2019 | NM | 97.37 | NA | NA | 3,020.81 |
| | 7/8/2019 | 96.77 | 94.21 | NA | NA | 3,023.97 |
| | 10/7/2019 | NM | 94.17 | NA | NA | 3,024.01 |
| | 1/13/2020 | 96.79 | 94.08 | NA | NA | 3,024.10 |
| | 4/6/2020 | 96.78 | 93.92 | NA | NA | 3,024.26 |
| | 7/7/2020 | 56.77 | 93.83 | NA | NA | 3,024.35 |
| | 10/8/2020 | 96.78 | 93.80 | NA | NA | 3,024.38 |

Appendix A

Historical Groundwater Elevation Measurements
Chevron Dollarhide Unit
Dollarhide, Texas

| TOC Elevation (ft NAVD) | Date | Total Depth (ft below TOC) | Depth to Water (ft below TOC) | Depth to LNAPL (ft below TOC) | LNAPL Thickness (ft) | Groundwater Elevation (ft NAVD) ⁽¹⁾ |
|-------------------------------|-----------|-------------------------------|----------------------------------|----------------------------------|-------------------------|--|
| NM-MW-10 | | | | | | |
| 3,066.32 | 1/10/2017 | NM | 78.94 | NA | NA | 2,987.38 |
| | 4/7/2017 | 108.10 | 79.02 | NA | NA | 2,987.30 |
| | 7/13/2017 | NM | 79.09 | NA | NA | 2,987.23 |
| | 10/3/2017 | NM | 79.12 | NA | NA | 2,987.20 |
| | 1/12/2018 | NM | 79.15 | NA | NA | 2,987.17 |
| | 4/2/2018 | NM | 79.23 | NA | NA | 2,987.09 |
| | 07/02/18 | NM | 79.24 | NA | NA | 2,987.08 |
| | 10/1/2018 | NM | 79.32 | NA | NA | 2,987.00 |
| | 1/7/2019 | NM | 79.27 | NA | NA | 2,987.05 |
| | 4/4/2019 | NM | 79.37 | NA | NA | 2,986.95 |
| | 7/8/2019 | 108.43 | 79.42 | NA | NA | 2,986.90 |
| | 10/7/2019 | NM | 79.48 | NA | NA | 2,986.84 |
| | 1/13/2020 | NM | 79.53 | NA | NA | 2,986.79 |
| | 4/6/2020 | 108.41 | 79.55 | NA | NA | 2,986.77 |
| | 7/7/2020 | 108.40 | 79.61 | NA | NA | 2,986.71 |
| | 10/8/2020 | 108.41 | 79.61 | NA | NA | 2,986.71 |
| NM-MW-11 | | | | | | |
| 3,075.44 | 1/10/2017 | NM | 150.11 | NA | NA | 2,925.33 |
| | 4/7/2017 | 163.56 | 127.16 | NA | NA | 2,948.28 |
| | 7/13/2017 | NM | 107.66 | NA | NA | 2,967.78 |
| | 10/3/2017 | NM | 97.78 | NA | NA | 2,977.66 |
| | 1/12/2018 | NM | 90.89 | NA | NA | 2,984.55 |
| | 4/2/2018 | NM | 87.75 | NA | NA | 2,987.69 |
| | 07/02/18 | NM | 86.07 | NA | NA | 2,989.37 |
| | 10/1/2018 | NM | 84.80 | NA | NA | 2,990.64 |
| | 1/7/2019 | NM | 83.28 | NA | NA | 2,992.16 |
| | 4/4/2019 | NM | 82.82 | NA | NA | 2,992.62 |
| | 7/8/2019 | 163.02 | 82.94 | NA | NA | 2,992.50 |
| | 10/8/2019 | NM | 82.97 | NA | NA | 2,992.47 |
| | 1/13/2020 | NM | 82.58 | NA | NA | 2,992.86 |
| | 4/6/2020 | 166.05 | 82.29 | NA | NA | 2,993.15 |
| | 7/7/2020 | 163.00 | 82.54 | NA | NA | 2,992.90 |
| | 10/8/2020 | 163.00 | 82.85 | NA | NA | 2,992.59 |
| NM-MW-12 | | | | | | |
| 3,105.47 | 4/7/2017 | 98.54 | 96.70 | NA | NA | 3,008.77 |
| | 7/13/2017 | NM | 96.72 | NA | NA | 3,008.75 |
| | 10/3/2017 | NM | 96.69 | NA | NA | 3,008.78 |
| | 1/12/2018 | NM | 96.67 | NA | NA | 3,008.80 |
| | 4/2/2018 | NM | 96.71 | NA | NA | 3,008.76 |
| | 07/02/18 | NM | 96.68 | NA | NA | 3,008.79 |
| | 10/1/2018 | NM | 96.67 | NA | NA | 3,008.80 |
| | 1/7/2019 | NM | 96.51 | NA | NA | 3,008.96 |
| | 4/4/2019 | NM | 96.60 | NA | NA | 3,008.87 |
| | 7/8/2019 | 98.52 | 96.61 | NA | NA | 3,008.86 |
| | 10/7/2019 | NM | 96.64 | NA | NA | 3,008.83 |
| | 1/13/2020 | 98.55 | 97.63 | NA | NA | 3,007.84 |
| | 4/6/2020 | 98.78 | 96.57 | NA | NA | 3,008.90 |
| | 7/10/2020 | 98.35 | 96.64 | NA | NA | 3,008.83 |
| | 10/8/2020 | 98.52 | 96.61 | NA | NA | 3,008.86 |
| NM-MW-13 | | | | | | |
| 3,051.17 | 4/7/2017 | 111.80 | 84.04 | NA | NA | 2,967.13 |
| | 7/13/2017 | NM | 84.05 | NA | NA | 2,967.12 |
| | 10/3/2017 | NM | 84.10 | NA | NA | 2,967.07 |
| | 1/12/2018 | NM | 84.12 | NA | NA | 2,967.05 |
| | 4/2/2018 | NM | 84.15 | NA | NA | 2,967.02 |
| | 07/02/18 | NM | 84.15 | NA | NA | 2,967.02 |
| | 10/1/2018 | NM | 84.24 | NA | NA | 2,966.93 |
| | 1/7/2019 | NM | 84.15 | NA | NA | 2,967.02 |
| | 4/4/2019 | NM | 84.27 | NA | NA | 2,966.90 |
| | 7/8/2019 | 111.74 | 84.29 | NA | NA | 2,966.88 |
| | 10/8/2019 | NM | 84.37 | NA | NA | 2,966.80 |
| | 1/13/2020 | NM | 84.40 | NA | NA | 2,966.77 |
| | 4/6/2020 | 111.70 | 84.39 | NA | NA | 2,966.78 |
| | 7/7/2020 | 111.64 | 84.44 | NA | NA | 2,966.73 |
| | 10/8/2020 | 111.73 | 84.49 | NA | NA | 2,966.68 |

Appendix A

Historical Groundwater Elevation Measurements
Chevron Dollarhide Unit
Dollarhide, Texas

| TOC Elevation (ft NAVD) | Date | Total Depth (ft below TOC) | Depth to Water (ft below TOC) | Depth to LNAPL (ft below TOC) | LNAPL Thickness (ft) | Groundwater Elevation (ft NAVD) ⁽¹⁾ |
|-------------------------------|------------|-------------------------------|----------------------------------|----------------------------------|-------------------------|--|
| NM-MW-14 | | | | | | |
| 3,126.82 | 2/17/2020 | 97.74 | 95.82 | NA | NA | 3,031.00 |
| | 4/6/2020 | 97.67 | 95.81 | NA | NA | 3,031.01 |
| | 7/9/2020 | 97.66 | 95.82 | NA | NA | 3,031.00 |
| | 10/8/2020 | 97.75 | 95.85 | NA | NA | 3,030.97 |
| NM-MW-15 | | | | | | |
| 3,064.93 | 2/17/2020 | 98.06 | 86.55 | NA | NA | 2,978.38 |
| | 4/6/2020 | 98.08 | 86.60 | NA | NA | 2,978.33 |
| | 7/7/2020 | 98.07 | 86.66 | NA | NA | 2,978.27 |
| | 10/8/2020 | 97.99 | 87.71 | NA | NA | 2,977.22 |
| NM-MW-16 | | | | | | |
| 3,085.99 | 2/17/2020 | 93.04 | DRY | NA | NA | NA |
| | 4/6/2020 | 93.04 | DRY | NA | NA | NA |
| | 7/7/2020 | 93.05 | DRY | NA | NA | NA |
| | 10/8/2020 | 93.10 | 93.06 | NA | NA | 2,992.93 |
| NM-MW-17 | | | | | | |
| 3,035.70 | 2/17/2020 | 86.71 | 58.34 | NA | NA | 2,977.36 |
| | 4/6/2020 | 86.70 | 58.36 | NA | NA | 2,977.34 |
| | 7/7/2020 | 86.74 | 58.43 | NA | NA | 2,977.27 |
| | 10/8/2020 | 86.73 | 58.52 | NA | NA | 2,977.18 |
| NM-MW-20 | | | | | | |
| 3,091.29 | 2/17/2020 | 97.76 | 93.23 | NA | NA | 2,998.06 |
| | 4/6/2020 | 97.81 | 93.29 | NA | NA | 2,998.00 |
| | 7/10/2020 | 97.76 | 93.37 | NA | NA | 2,997.92 |
| | 10/8/2020 | 97.77 | 93.39 | NA | NA | 2,997.90 |
| NM-MW-21 | | | | | | |
| 3,047.98 | 2/17/2020 | 78.48 | 76.46 | NA | NA | 2,971.52 |
| | 4/6/2020 | 78.48 | 76.50 | NA | NA | 2,971.48 |
| | 7/10/2020 | 78.48 | 76.53 | NA | NA | 2,971.45 |
| | 10/8/2020 | 78.49 | 76.57 | NA | NA | 2,971.41 |
| Non-Remedial Wells | | | | | | |
| Livermore | | | | | | |
| NM | 12/07/06 | 111.60 | 95.96 | NA | NA | NA |
| | 02/13/07 | 110.72 | 95.08 | NA | NA | NA |
| | 02/28/07 | NM | 95.08 | NA | NA | NA |
| | 07/30/07 | 110.72 | 95.71 | NA | NA | NA |
| | 07/09/08 | 110.72 | 94.89 | NA | NA | NA |
| | 01/28/09 | 110.81 | 94.81 | NA | NA | NA |
| | 08/28/09 | 111.11 | 95.08 | NA | NA | NA |
| | 02/19/10 | NM | 94.70 | NA | NA | NA |
| | 08/16/10 | NM | 94.67 | NA | NA | NA |
| | 02/11/11 | NM | 95.00 | NA | NA | NA |
| | 07/31/13 | 104.21 | 95.29 | NA | NA | NA |
| | 07/16/14 | NM | 95.85 | NA | NA | NA |
| | 01/25/16 | 104.23 | 95.20 | NA | NA | NA |
| | 07/21/16 | NM | 95.30 | NA | NA | NA |
| | 01/11/17 | NM | 95.10 | NA | NA | NA |
| | 07/13/17 | NM | 95.17 | NA | NA | NA |
| | 10/03/17 | NM | 95.27 | NA | NA | NA |
| | 01/12/18 | NM | 94.97 | NA | NA | NA |
| | 04/02/18 | NM | 94.97 | NA | NA | NA |
| | 07/02/18 | NM | 95.19 | NA | NA | NA |
| | 10/1/2018 | NM | 95.26 | NA | NA | NA |
| | 1/8/2019 | NM | 95.27 | NA | NA | NA |
| | 4/10/2019 | NM | 95.27 | NA | NA | NA |
| | 7/10/2019 | NM | 95.40 | NA | NA | NA |
| | 10/9/2019 | NM | 95.28 | NA | NA | NA |
| | 1/16/2020 | NM | 95.62 | NA | NA | NA |
| | 4/8/2020 | 99.81 | 95.42 | NA | NA | NA |
| | 7/6/2020 | 99.87 | 95.48 | NA | NA | NA |
| | 10/12/2020 | 99.77 | 95.52 | NA | NA | NA |
| Pure Water Well | | | | | | |
| 3,151.80 | 08/16/12 | 104.80 | 88.00 | NA | NA | 3,063.80 |
| | 08/30/13 | 100.50 | 88.35 | NA | NA | 3,063.45 |
| | 07/14/15 | NM | 88.35 | NA | NA | 3,063.45 |

Appendix A

Historical Groundwater Elevation Measurements
Chevron Dollarhide Unit
Dollarhide, Texas

| TOC Elevation (ft NAVD) | Date | Total Depth (ft below TOC) | Depth to Water (ft below TOC) | Depth to LNAPL (ft below TOC) | LNAPL Thickness (ft) | Groundwater Elevation (ft NAVD) ⁽¹⁾ |
|-------------------------------|-----------|-------------------------------|----------------------------------|----------------------------------|-------------------------|--|
| RRR Ranch Windmill | | | | | | |
| NM | 08/28/09 | 117.05 | 95.05 | NA | NA | NA |
| | 07/22/16 | NM | 94.36 | NA | NA | NA |
| | 01/12/17 | NM | 94.28 | NA | NA | NA |
| | 07/13/17 | 99.61 | 94.37 | NA | NA | NA |
| | 10/03/17 | NM | 94.34 | NA | NA | NA |
| | 01/12/18 | NM | 94.24 | NA | NA | NA |
| | 04/02/18 | NM | 94.24 | NA | NA | NA |
| | 07/02/18 | NM | 94.14 | NA | NA | NA |
| | 10/1/2018 | NM | 94.08 | NA | NA | NA |
| | 1/7/2019 | NM | 93.95 | NA | NA | NA |
| | 4/4/2019 | NM | 93.95 | NA | NA | NA |
| | 7/8/2019 | 96.44 | 93.82 | NA | NA | NA |
| | 10/7/2019 | NM | 93.91 | NA | NA | NA |
| | 1/13/2020 | NM | 93.72 | NA | NA | NA |
| | 4/6/2020 | 96.60 | 93.69 | NA | NA | NA |
| | 7/9/2020 | 96.48 | 93.57 | NA | NA | NA |
| | 10/7/2020 | 96.33 | 93.55 | NA | NA | NA |
| TRAC-4 | | | | | | |
| NM | NA | NM | NM | NA | NA | NA |
| TRAC-8 | | | | | | |
| NM | NA | NM | NM | NA | NA | NA |
| Wilson Ranch Well | | | | | | |
| NM | NA | NM | NM | NA | NA | NA |

Notes:

⁽¹⁾ Formula for Adjusted Groundwater Elevation: TOC - Depth to Water + 0.75 (LNAPL thickness).

ft = feet

NAVD = North American Vertical Datum

TOC = top of casing

LNAPL = light non-aqueous phase liquid

NM = Not Measured

NA = Not Applicable

Appendix B

Groundwater Sample Analytical Laboratory Reports

Certificate of Analysis Summary 666917

GHD Services, INC- Midland, Midland, TX

Project Name: Dollarhide

Project Id: 055270

Date Received in Lab: Fri 07.10.2020 16:05

Contact: Nick Casten

Report Date: 08.01.2020 12:23

Project Location: New Mexico

Project Manager: Debbie Simmons

| Analysis Requested | Lab Id: Field Id: Depth: Matrix: Sampled: | 666917-001 NM-MW-13-W-201007 | 666917-002 NM-MW-11-W-201007 | 666917-003 NM-MW-11-WD-20100 | 666917-004 NM-MW-15-W-201007 | 666917-005 NM-MW-20-W-201007 | 666917-006 NM-MW-21-W-201007 |
|--|--|---|---|---|---|---|---|
| Inorganic Anions by EPA 300/300.1 | Extracted: Analyzed: Units/RL: | 07.13.2020 16:50 07.13.2020 22:37 mg/L RL | 07.13.2020 16:50 07.13.2020 22:44 mg/L RL | 07.13.2020 16:50 07.13.2020 22:50 mg/L RL | 07.13.2020 16:50 07.13.2020 21:34 mg/L RL | 07.13.2020 16:50 07.13.2020 22:56 mg/L RL | 07.13.2020 16:50 07.13.2020 23:03 mg/L RL |
| Chloride | | 212 5.00 | 178 10.0 | 188 10.0 | 57.3 2.50 | 22.2 2.50 | 28.8 2.50 |
| TDS by SM2540C | Extracted: Analyzed: Units/RL: | 07.14.2020 16:04 07.14.2020 16:04 mg/L RL |
| Total Dissolved Solids | | 1130 5.00 | 2120 5.00 | 1920 5.00 | 509 5.00 | 377 5.00 | 524 5.00 |

BRL - Below Reporting Limit

Houston - Dallas - Midland - Tampa - Phoenix - Lubbock - San Antonio - El Paso - Atlanta - New Mexico



Certificate of Analysis Summary 666917

GHD Services, INC- Midland, Midland, TX

Project Id: 055270
Contact: Nick Casten
Project Location: New Mexico

Date Received in Lab: Fri 07.10.2020 16:05
Report Date: 08.01.2020 12:23
Project Manager: Debbie Simmons

Project Name: Dollarhide

| | | | | | | | |
|--|--|---|---|--|--|--|--|
| Analysis Requested | | Lab Id: 666917-007 Field Id: NM-MW-17-W-201007 Depth: Matrix: GROUND WATER Sampled: 07.10.2020 12:45 | 666917-008 NM-MW-12-W-201007 GROUND WATER 07.10.2020 13:30 | | | | |
| Inorganic Anions by EPA 300/300.1 | | Extracted: 07.13.2020 16:50 Analyzed: 07.13.2020 23:22 Units/RL: mg/L RL | 07.13.2020 16:50 07.13.2020 23:28 mg/L RL | | | | |
| Chloride | | 211 5.00 | 589 5.00 | | | | |
| TDS by SM2540C | | Extracted: Analyzed: 07.14.2020 16:04 Units/RL: mg/L RL | 07.14.2020 16:04 mg/L RL | | | | |
| Total Dissolved Solids | | 978 5.00 | 1270 5.00 | | | | |

BRL - Below Reporting Limit

Houston - Dallas - Midland - Tampa - Phoenix - Lubbock - San Antonio - El Paso - Atlanta - New Mexico



Analytical Report 666917

for

GHD Services, INC- Midland

Project Manager: Nick Casten

Dollarhide

055270

08.01.2020

Collected By: Client



**1211 W. Florida Ave
Midland TX 79701**

Xenco-Houston (EPA Lab Code: TX00122):
Texas (T104704215-20-36), Arizona (AZ0765), Florida (E871002-33), Louisiana (03054)
Oklahoma (2019-058), North Carolina (681), Arkansas (20-035-0)

Xenco-Dallas (EPA Lab Code: TX01468):
Texas (T104704295-20-25), Arizona (AZ0809)

Xenco-El Paso (EPA Lab Code: TX00127): Texas (T104704221-20-17)
Xenco-Lubbock (EPA Lab Code: TX00139): Texas (T104704219-20-22)
Xenco-Midland (EPA Lab Code: TX00158): Texas (T104704400-19-19)
Xenco-Carlsbad (LELAP): Louisiana (05092)
Xenco-San Antonio (EPA Lab Code: TNI02385): Texas (T104704534-20-7)
Xenco Phoenix (EPA Lab Code: AZ00901): Arizona (AZ0757)
Xenco-Tampa: Florida (E87429), North Carolina (483)



08.01.2020

Project Manager: **Nick Casten**

GHD Services, INC- Midland

2135 S Loop 250 W
Midland, TX 79703

Reference: Eurofins Xenco, LLC Report No(s): **666917**

Dollarhide

Project Address: New Mexico

Nick Casten:

We are reporting to you the results of the analyses performed on the samples received under the project name referenced above and identified with the Eurofins Xenco, LLC Report Number(s) 666917. All results being reported under this Report Number apply to the samples analyzed and properly identified with a Laboratory ID number. Subcontracted analyses are identified in this report with either the NELAC certification number of the subcontract lab in the analyst ID field, or the complete subcontracted report attached to this report.

Unless otherwise noted in a Case Narrative, all data reported in this Analytical Report are in compliance with NELAC standards. The uncertainty of measurement associated with the results of analysis reported is available upon request. Should insufficient sample be provided to the laboratory to meet the method and NELAC Matrix Duplicate and Matrix Spike requirements, then the data will be analyzed, evaluated and reported using all other available quality control measures.

The validity and integrity of this report will remain intact as long as it is accompanied by this letter and reproduced in full, unless written approval is granted by Eurofins Xenco, LLC. This report will be filed for at least 5 years in our archives after which time it will be destroyed without further notice, unless otherwise arranged with you. The samples received, and described as recorded in Report No. 666917 will be filed for 45 days, and after that time they will be properly disposed without further notice, unless otherwise arranged with you. We reserve the right to return to you any unused samples, extracts or solutions related to them if we consider so necessary (e.g., samples identified as hazardous waste, sample sizes exceeding analytical standard practices, controlled substances under regulated protocols, etc).

We thank you for selecting Eurofins Xenco, LLC to serve your analytical needs. If you have any questions concerning this report, please feel free to contact us at any time.

Respectfully,

A handwritten signature in black ink that reads "Debbie Simmons".

Debbie Simmons

Project Manager

A Small Business and Minority Company

Houston - Dallas - Midland - Tampa - Phoenix - Lubbock - San Antonio - El Paso - Atlanta - New Mexico

Sample Cross Reference 666917**GHD Services, INC- Midland, Midland, TX**

Dollarhide

| Sample Id | Matrix | Date Collected | Sample Depth | Lab Sample Id |
|----------------------------|--------|------------------|--------------|---------------|
| NM-MW-13-W-201007 | W | 07.10.2020 10:00 | | 666917-001 |
| NM-MW-11-W-201007 | W | 07.10.2020 10:30 | | 666917-002 |
| NM-MW-11-WD-201007 | W | 07.10.2020 10:45 | | 666917-003 |
| NM-MW-15-W-201007 | W | 07.10.2020 11:00 | | 666917-004 |
| NM-MW-20-W-201007 | W | 07.10.2020 11:45 | | 666917-005 |
| NM-MW-21-W-201007 | W | 07.10.2020 12:15 | | 666917-006 |
| NM-MW-17-W-201007 | W | 07.10.2020 12:45 | | 666917-007 |
| NM-MW-12-W-201007 | W | 07.10.2020 13:30 | | 666917-008 |
| Wilson Ranch Well-W-201007 | W | 07.10.2020 13:45 | | Not Analyzed |
| Smith Residence | W | 07.10.2020 14:15 | | Not Analyzed |



CASE NARRATIVE

Client Name: GHD Services, INC- Midland
Project Name: Dollarhide

Project ID: 055270
Work Order Number(s): 666917

Report Date: 08.01.2020
Date Received: 07.10.2020

Sample receipt non conformances and comments:

Sample Wilson Ranch Well and Smith Residence not analyzed on this work order per Liz Whiddon.
(moved to work order 667969)

Sample receipt non conformances and comments per sample:

None

Certificate of Analytical Results 666917

GHD Services, INC- Midland, Midland, TX

Dollarhide

Sample Id: **NM-MW-13-W-201007** Matrix: Ground Water Date Received: 07.10.2020 16:05
 Lab Sample Id: 666917-001 Date Collected: 07.10.2020 10:00

Analytical Method: Inorganic Anions by EPA 300/300.1 Prep Method: E300P

Tech: SPC % Moisture:

Analyst: SPC

Date Prep: 07.13.2020 16:50

Seq Number: 3131511

| Parameter | Cas Number | Result | RL | MDL | Units | Analysis Date | Flag | Dil |
|-----------|------------|--------|------|-------|-------|------------------|------|-----|
| Chloride | 16887-00-6 | 212 | 5.00 | 0.210 | mg/L | 07.13.2020 22:37 | | 10 |

Analytical Method: TDS by SM2540C

Tech: SPC % Moisture:

Analyst: SPC

Seq Number: 3131946

| Parameter | Cas Number | Result | RL | MDL | Units | Analysis Date | Flag | Dil |
|------------------------|------------|--------|------|------|-------|------------------|------|-----|
| Total Dissolved Solids | 1642222 | 1130 | 5.00 | 5.00 | mg/L | 07.14.2020 16:04 | | 1 |

Certificate of Analytical Results 666917

GHD Services, INC- Midland, Midland, TX

Dollarhide

Sample Id: **NM-MW-11-W-201007** Matrix: Ground Water Date Received: 07.10.2020 16:05
 Lab Sample Id: 666917-002 Date Collected: 07.10.2020 10:30

Analytical Method: Inorganic Anions by EPA 300/300.1 Prep Method: E300P

Tech: SPC % Moisture:

Analyst: SPC Date Prep: 07.13.2020 16:50

Seq Number: 3131511

| Parameter | Cas Number | Result | RL | MDL | Units | Analysis Date | Flag | Dil |
|-----------|------------|--------|------|-------|-------|------------------|------|-----|
| Chloride | 16887-00-6 | 178 | 10.0 | 0.421 | mg/L | 07.13.2020 22:44 | | 20 |

Analytical Method: TDS by SM2540C

Tech: SPC % Moisture:

Analyst: SPC

Seq Number: 3131946

| Parameter | Cas Number | Result | RL | MDL | Units | Analysis Date | Flag | Dil |
|------------------------|------------|--------|------|------|-------|------------------|------|-----|
| Total Dissolved Solids | 1642222 | 2120 | 5.00 | 5.00 | mg/L | 07.14.2020 16:04 | | 1 |

Certificate of Analytical Results 666917

GHD Services, INC- Midland, Midland, TX

Dollarhide

Sample Id: NM-MW-11-WD-201007

Matrix: Ground Water

Date Received: 07.10.2020 16:05

Lab Sample Id: 666917-003

Date Collected: 07.10.2020 10:45

Analytical Method: Inorganic Anions by EPA 300/300.1

Prep Method: E300P

Tech: SPC

% Moisture:

Analyst: SPC

Date Prep: 07.13.2020 16:50

Seq Number: 3131511

| Parameter | Cas Number | Result | RL | MDL | Units | Analysis Date | Flag | Dil |
|-----------|------------|--------|------|-------|-------|------------------|------|-----|
| Chloride | 16887-00-6 | 188 | 10.0 | 0.421 | mg/L | 07.13.2020 22:50 | | 20 |

Analytical Method: TDS by SM2540C

Tech: SPC

% Moisture:

Analyst: SPC

Seq Number: 3131946

| Parameter | Cas Number | Result | RL | MDL | Units | Analysis Date | Flag | Dil |
|------------------------|------------|--------|------|------|-------|------------------|------|-----|
| Total Dissolved Solids | 1642222 | 1920 | 5.00 | 5.00 | mg/L | 07.14.2020 16:04 | | 1 |

Certificate of Analytical Results 666917

GHD Services, INC- Midland, Midland, TX

Dollarhide

Sample Id: **NM-MW-15-W-201007** Matrix: Ground Water Date Received: 07.10.2020 16:05
 Lab Sample Id: 666917-004 Date Collected: 07.10.2020 11:00

Analytical Method: Inorganic Anions by EPA 300/300.1 Prep Method: E300P

Tech: SPC % Moisture:

Analyst: SPC

Date Prep: 07.13.2020 16:50

Seq Number: 3131511

| Parameter | Cas Number | Result | RL | MDL | Units | Analysis Date | Flag | Dil |
|-----------|------------|-------------|------|-------|-------|------------------|------|-----|
| Chloride | 16887-00-6 | 57.3 | 2.50 | 0.105 | mg/L | 07.13.2020 21:34 | | 5 |

Analytical Method: TDS by SM2540C

Tech: SPC % Moisture:

Analyst: SPC

Seq Number: 3131946

| Parameter | Cas Number | Result | RL | MDL | Units | Analysis Date | Flag | Dil |
|------------------------|------------|------------|------|------|-------|------------------|------|-----|
| Total Dissolved Solids | 1642222 | 509 | 5.00 | 5.00 | mg/L | 07.14.2020 16:04 | | 1 |

Certificate of Analytical Results 666917

GHD Services, INC- Midland, Midland, TX

Dollarhide

Sample Id: **NM-MW-20-W-201007** Matrix: Ground Water Date Received: 07.10.2020 16:05
 Lab Sample Id: 666917-005 Date Collected: 07.10.2020 11:45

Analytical Method: Inorganic Anions by EPA 300/300.1 Prep Method: E300P

Tech: SPC % Moisture:

Analyst: SPC

Date Prep: 07.13.2020 16:50

Seq Number: 3131511

| Parameter | Cas Number | Result | RL | MDL | Units | Analysis Date | Flag | Dil |
|-----------|------------|--------|------|-------|-------|------------------|------|-----|
| Chloride | 16887-00-6 | 22.2 | 2.50 | 0.105 | mg/L | 07.13.2020 22:56 | | 5 |

Analytical Method: TDS by SM2540C

Tech: SPC % Moisture:

Analyst: SPC

Seq Number: 3131946

| Parameter | Cas Number | Result | RL | MDL | Units | Analysis Date | Flag | Dil |
|------------------------|------------|--------|------|------|-------|------------------|------|-----|
| Total Dissolved Solids | 1642222 | 377 | 5.00 | 5.00 | mg/L | 07.14.2020 16:04 | | 1 |

Certificate of Analytical Results 666917

GHD Services, INC- Midland, Midland, TX

Dollarhide

Sample Id: **NM-MW-21-W-201007** Matrix: Ground Water Date Received: 07.10.2020 16:05
 Lab Sample Id: 666917-006 Date Collected: 07.10.2020 12:15

Analytical Method: Inorganic Anions by EPA 300/300.1 Prep Method: E300P

Tech: SPC % Moisture:

Analyst: SPC

Date Prep: 07.13.2020 16:50

Seq Number: 3131511

| Parameter | Cas Number | Result | RL | MDL | Units | Analysis Date | Flag | Dil |
|-----------|------------|-------------|------|-------|-------|------------------|------|-----|
| Chloride | 16887-00-6 | 28.8 | 2.50 | 0.105 | mg/L | 07.13.2020 23:03 | | 5 |

Analytical Method: TDS by SM2540C

Tech: SPC % Moisture:

Analyst: SPC

Seq Number: 3131946

| Parameter | Cas Number | Result | RL | MDL | Units | Analysis Date | Flag | Dil |
|------------------------|------------|------------|------|------|-------|------------------|------|-----|
| Total Dissolved Solids | 1642222 | 524 | 5.00 | 5.00 | mg/L | 07.14.2020 16:04 | | 1 |

Certificate of Analytical Results 666917

GHD Services, INC- Midland, Midland, TX

Dollarhide

Sample Id: **NM-MW-17-W-201007** Matrix: Ground Water Date Received: 07.10.2020 16:05
 Lab Sample Id: 666917-007 Date Collected: 07.10.2020 12:45

Analytical Method: Inorganic Anions by EPA 300/300.1 Prep Method: E300P

Tech: SPC % Moisture:

Analyst: SPC Date Prep: 07.13.2020 16:50

Seq Number: 3131511

| Parameter | Cas Number | Result | RL | MDL | Units | Analysis Date | Flag | Dil |
|-----------|------------|--------|------|-------|-------|------------------|------|-----|
| Chloride | 16887-00-6 | 211 | 5.00 | 0.210 | mg/L | 07.13.2020 23:22 | | 10 |

Analytical Method: TDS by SM2540C

Tech: SPC % Moisture:

Analyst: SPC

Seq Number: 3131946

| Parameter | Cas Number | Result | RL | MDL | Units | Analysis Date | Flag | Dil |
|------------------------|------------|--------|------|------|-------|------------------|------|-----|
| Total Dissolved Solids | 1642222 | 978 | 5.00 | 5.00 | mg/L | 07.14.2020 16:04 | | 1 |

Certificate of Analytical Results 666917

GHD Services, INC- Midland, Midland, TX

Dollarhide

Sample Id: **NM-MW-12-W-201007** Matrix: Ground Water Date Received: 07.10.2020 16:05
 Lab Sample Id: 666917-008 Date Collected: 07.10.2020 13:30

Analytical Method: Inorganic Anions by EPA 300/300.1 Prep Method: E300P

Tech: SPC % Moisture:

Analyst: SPC Date Prep: 07.13.2020 16:50

Seq Number: 3131511

| Parameter | Cas Number | Result | RL | MDL | Units | Analysis Date | Flag | Dil |
|-----------|------------|------------|------|-------|-------|------------------|------|-----|
| Chloride | 16887-00-6 | 589 | 5.00 | 0.210 | mg/L | 07.13.2020 23:28 | | 10 |

Analytical Method: TDS by SM2540C

Tech: SPC % Moisture:

Analyst: SPC

Seq Number: 3131946

| Parameter | Cas Number | Result | RL | MDL | Units | Analysis Date | Flag | Dil |
|------------------------|------------|-------------|------|------|-------|------------------|------|-----|
| Total Dissolved Solids | 1642222 | 1270 | 5.00 | 5.00 | mg/L | 07.14.2020 16:04 | | 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. **ND** Not Detected.

RL Reporting Limit

MDL Method Detection Limit **SDL** Sample Detection Limit **LOD** Limit of Detection

PQL Practical Quantitation Limit **MQL** Method Quantitation Limit **LOQ** Limit of Quantitation

DL Method Detection Limit

NC Non-Calculable

SMP Client Sample **BLK** Method Blank

BKS/LCS Blank Spike/Laboratory Control Sample **BKSD/LCSD** Blank Spike Duplicate/Laboratory Control Sample Duplicate

MD/SD Method Duplicate/Sample Duplicate **MS** Matrix Spike **MSD:** Matrix Spike Duplicate

+ NELAC certification not offered for this compound.

* (Next to analyte name or method description) = Outside XENCO's scope of NELAC accreditation



QC Summary 666917

GHD Services, INC- Midland
Dollarhide**Analytical Method:** Inorganic Anions by EPA 300/300.1

| | | | | | | | | | |
|------------------|---------------|------------------------------|------------|----------|-------------|-----------------------|--------|------|------------------|
| Seq Number: | 3131511 | Matrix: Water | | | | Prep Method: E300P | | | |
| MB Sample Id: | 7707251-1-BLK | LCS Sample Id: 7707251-1-BKS | | | | Date Prep: 07.13.2020 | | | |
| Parameter | MB Result | Spike Amount | LCS Result | LCS %Rec | LCSD Result | LCSD %Rec | Limits | %RPD | RPD Limit |
| Chloride | <0.0210 | 25.0 | 26.1 | 104 | 26.1 | 104 | 90-110 | 0 | 20 |
| | | | | | | | | mg/L | 07.13.2020 21:21 |

Analytical Method: Inorganic Anions by EPA 300/300.1

| | | | | | | | | | |
|-------------------|---------------|----------------------------|-----------|---------|------------|-----------------------|--------|------|------------------|
| Seq Number: | 3131511 | Matrix: Ground Water | | | | Prep Method: E300P | | | |
| Parent Sample Id: | 666917-004 | MS Sample Id: 666917-004 S | | | | Date Prep: 07.13.2020 | | | |
| Parameter | Parent Result | Spike Amount | MS Result | MS %Rec | MSD Result | MSD %Rec | Limits | %RPD | RPD Limit |
| Chloride | 57.3 | 125 | 189 | 105 | 189 | 105 | 90-110 | 0 | 20 |
| | | | | | | | | mg/L | 07.13.2020 21:40 |

Analytical Method: Inorganic Anions by EPA 300/300.1

| | | | | | | | | | |
|-------------------|---------------|----------------------------|-----------|---------|------------|-----------------------|--------|------|------------------|
| Seq Number: | 3131511 | Matrix: Ground Water | | | | Prep Method: E300P | | | |
| Parent Sample Id: | 666917-006 | MS Sample Id: 666917-006 S | | | | Date Prep: 07.13.2020 | | | |
| Parameter | Parent Result | Spike Amount | MS Result | MS %Rec | MSD Result | MSD %Rec | Limits | %RPD | RPD Limit |
| Chloride | 28.8 | 125 | 161 | 106 | 162 | 107 | 90-110 | 1 | 20 |
| | | | | | | | | mg/L | 07.13.2020 23:09 |

Analytical Method: TDS by SM2540C

| | | | | | | | | | |
|------------------------|---------------|------------------------------|------------|----------|-------------|-----------------------|--------|------|------------------|
| Seq Number: | 3131946 | Matrix: Water | | | | Prep Method: E300P | | | |
| MB Sample Id: | 3131946-1-BLK | LCS Sample Id: 3131946-1-BKS | | | | Date Prep: 07.13.2020 | | | |
| Parameter | MB Result | Spike Amount | LCS Result | LCS %Rec | LCSD Result | LCSD %Rec | Limits | %RPD | RPD Limit |
| Total Dissolved Solids | <5.00 | 1000 | 998 | 100 | 998 | 100 | 80-120 | 0 | 10 |
| | | | | | | | | mg/L | 07.14.2020 16:04 |

Analytical Method: TDS by SM2540C

| | | | | | | | | | |
|------------------------|---------------|----------------------------|--|--|--|-----------------------|--|--|--|
| Seq Number: | 3131946 | Matrix: Ground Water | | | | Prep Method: E300P | | | |
| Parent Sample Id: | 666917-001 | MD Sample Id: 666917-001 D | | | | Date Prep: 07.14.2020 | | | |
| Parameter | Parent Result | MD Result | | | | %RPD | | | |
| Total Dissolved Solids | 1130 | 1120 | | | | RPD Limit | | | |
| | | | | | | Units | | | |
| | | | | | | Analysis Date | | | |
| | | | | | | Flag | | | |

Analytical Method: TDS by SM2540C

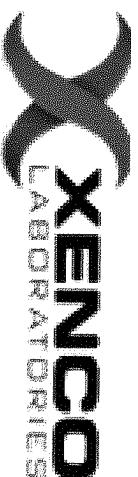
| | | | | | | | | | |
|------------------------|---------------|----------------------------|--|--|--|-----------------------|--|--|--|
| Seq Number: | 3131946 | Matrix: Ground Water | | | | Prep Method: E300P | | | |
| Parent Sample Id: | 667041-001 | MD Sample Id: 667041-001 D | | | | Date Prep: 07.14.2020 | | | |
| Parameter | Parent Result | MD Result | | | | %RPD | | | |
| Total Dissolved Solids | 8020 | 8120 | | | | RPD Limit | | | |
| | | | | | | Units | | | |
| | | | | | | Analysis Date | | | |
| | | | | | | Flag | | | |

MS/MSD Percent Recovery
 Relative Percent Difference
 LCS/LCSD Recovery
 Log Difference

[D] = 100*(C-A) / B
 RPD = 200* | (C-E) / (C+E) |
 [D] = 100 * (C) / [B]
 Log Diff. = Log(Sample Duplicate) - Log(Original Sample)

LCS = Laboratory Control Sample
 A = Parent Result
 C = MS/LCS Result
 E = MSD/LCSD Result

MS = Matrix Spike
 B = Spike Added
 D = MSD/LCSD % Rec



Chain of Custody

Work Order No: W004917

Houston, TX (281) 240-4200 Dallas, TX (214) 902-0300 San Antonio, TX (210) 509-3334
Midland, TX (432-704-5440) Phoenix, AZ (480-935-0900) El Paso, TX (915) 585-3443 Lubbock, TX (806) 794-1286
Atlanta, GA (770-449-8800) Tampa, FL (813) 620-2000) www.xenco.com

| | | | |
|------------------|-----------------------|-------------------------|--|
| Project Manager: | Nick Casten | Bill To: (if different) | Gina Blair - Apinvoicess-340@ghd.com |
| Company Name: | GHD | Company Name: | GHD Services Inc. - 340 |
| Address: | 2135 S. Loop 250 West | Address: | 2055 Niagara Falls Blvd. |
| City, State ZIP: | Midland, TX 79703 | City, State ZIP: | Niagara Falls, NY 14304 |
| Phone: | 225-292-9007 | Email: | Nick.Casten@ghd.com & Christopher.Knight@ghd.com & Brittany.White@ghd.com & edds@ghd.com |

| ANALYSIS REQUEST | | | | Work Order Notes | |
|------------------|----------------|-------------|--------------------------|------------------|--|
| Project Name: | Dollardhde | Turn Around | | | |
| P.O. Number: | 55270 | Routine | <input type="checkbox"/> | | |
| P.O. Number: | Ryan Livingood | Rush: | | | |
| Sampler's Name: | | Due Date: | | | |

| SAMPLE RECEIPT | | Temp Blank: | Yes <input checked="" type="radio"/> | Wet Loc: | <input checked="" type="radio"/> Yes No |
|-----------------------|--------------------------------------|--------------------------|--------------------------------------|----------|---|
| Temperature (°C): | 23.1.9 | Thermometer ID: | | | |
| Received Intact: | Yes <input checked="" type="radio"/> | No <input type="radio"/> | | | |
| Cooler Custody Seals: | Yes <input checked="" type="radio"/> | No <input type="radio"/> | Correction Factor: 1.00 | | |
| Sample Custody Seals: | Yes <input checked="" type="radio"/> | No <input type="radio"/> | Total Containers: | | |

| Sample Identification | Matrix | Date Sampled | Time Sampled | Depth | Number of Containers | | TAT starts the day received by the lab, if received by 4:30pm |
|----------------------------|--------|--------------|--------------|-------|----------------------|-----|---|
| | | | | | Chlorides | TDS | |
| NM-MW-13-W-201007 | GW | 10/07/2010 | 10:00 | 1 | X | X | |
| NM-MW-11-W-201007 | | 10/07/2010 | 10:30 | | | | |
| NM-MW-11-W-201007 | | 10/07/2010 | 10:45 | | | | |
| NM-MW-15-W-201007 | | 10/07/2010 | 10:00 | | | | |
| NM-MW-10-W-201007 | | 10/07/2010 | 11:45 | | | | |
| NM-MW-21-W-201007 | | 10/07/2010 | 12:15 | | | | |
| NM-MW-17-W-201007 | | 10/07/2010 | 12:45 | | | | |
| NM-MW-12-W-201007 | | 10/07/2010 | 13:30 | | | | |
| Wilson Ranch Well-W-201007 | | 10/07/2010 | 13:45 | | | | |
| Smith Residence | | 10/07/2010 | 14:15 | | | | |

Total 200.7 / 6020: 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 Ti 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 Ti U

1631 / 2451 / 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 | Beth | 11/11/20 | | | |
| 3 | | | | | |
| 5 | JLCS | 11/11/20 | | | |

Eurofins Xenco, LLC
Prelogin/Nonconformance Report- Sample Log-In

Client: GHD Services, INC- Midland

Acceptable Temperature Range: 0 - 6 degC

Date/ Time Received: 07.10.2020 04.05.00 PM

Air and Metal samples Acceptable Range: Ambient

Work Order #: 666917

Temperature Measuring device used : IR-8

| Sample Receipt Checklist | Comments |
|---|----------|
| #1 *Temperature of cooler(s)? | 1.9 |
| #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)? | N/A |
| #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: AJA

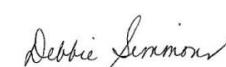
PH Device/Lot#: 10BDH1991

Checklist completed by:

Brianna Teel

Brianna Teel

Date: 07.10.2020

Checklist reviewed by:

Debbie Simmons

Debbie Simmons

Date: 07.10.2020

Certificate of Analysis Summary 667041

GHD Services, INC- Midland, Midland, TX

Project Name: Dollarhide

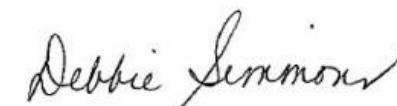
Project Id: 055270
Contact: Nick Casten
Project Location: New Mexico

Date Received in Lab: Mon 07.13.2020 16:23
Report Date: 07.26.2020 15:00
Project Manager: Debbie Simmons

| Analysis Requested | Lab Id: 667041-001 | Field Id: 44-J-4-MW-W-201307 | Depth: 44-J-1-MW-W-201307 | Matrix: GROUND WATER | Sampled: 07.13.2020 10:00 | 667041-002 | 667041-003 | 667041-004 | 667041-005 | 667041-006 | | | |
|--|---------------------------------------|--|-------------------------------------|--------------------------------|-------------------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|------|------|------|
| Inorganic Anions by EPA 300/300.1 | Extracted: 07.14.2020 15:15 | | | GROUND WATER | | 07.14.2020 15:15 | | | |
| | Analyzed: 07.14.2020 23:01 | | | | | 07.14.2020 23:09 | 07.14.2020 23:18 | 07.14.2020 23:51 | 07.15.2020 00:00 | 07.15.2020 00:25 | | | |
| | Units/RL: mg/L RL | | | | | mg/L RL | | | |
| Chloride | 4450 | 25.0 | | 4770 | 25.0 | 5120 | 25.0 | 4920 | 25.0 | 4190 | 25.0 | 3660 | 25.0 |
| TDS by SM2540C | Extracted: 07.14.2020 16:04 | | | 07.14.2020 16:04 | | 07.14.2020 16:04 | | | |
| | Analyzed: mg/L RL | | | | | mg/L RL | | | |
| Total Dissolved Solids | 8020 | 5.00 | | 7880 | 5.00 | 8210 | 5.00 | 8080 | 5.00 | 6690 | 5.00 | 5840 | 5.00 |

BRL - Below Reporting Limit

Houston - Dallas - Midland - Tampa - Phoenix - Lubbock - San Antonio - El Paso - Atlanta - New Mexico



Certificate of Analysis Summary 667041

GHD Services, INC- Midland, Midland, TX

Project Name: Dollarhide

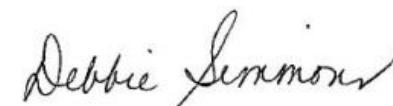
Project Id: 055270
Contact: Nick Casten
Project Location: New Mexico

Date Received in Lab: Mon 07.13.2020 16:23
Report Date: 07.26.2020 15:00
Project Manager: Debbie Simmons

| Analysis Requested | <i>Lab Id:</i> <i>Field Id:</i> <i>Depth:</i> <i>Matrix:</i> <i>Sampled:</i> | 667041-007 45-FF-MW-W-201307 | 667041-008 45-E-2-MW-W-201307 | 667041-009 45-E-1-MW-W-201307 | 667041-010 45-F-1-MW-W-201307 | 667041-011 MW-20-W-201307 | 667041-012 NM-MW-10-W-201307 |
|--|--|---|---|---|---|---|---|
| Inorganic Anions by EPA 300/300.1 | <i>Extracted:</i> <i>Analyzed:</i> <i>Units/RL:</i> | 07.14.2020 15:15 07.15.2020 00:34 mg/L RL | 07.14.2020 15:15 07.15.2020 00:42 mg/L RL | 07.14.2020 15:15 07.15.2020 00:51 mg/L RL | 07.14.2020 15:15 07.15.2020 00:59 mg/L RL | 07.14.2020 15:15 07.15.2020 01:07 mg/L RL | 07.14.2020 15:15 07.15.2020 01:16 mg/L RL |
| Chloride | | 4120 25.0 | 1750 25.0 | 3100 25.0 | 1130 10.0 | 1320 10.0 | 366 5.00 |
| TDS by SM2540C | <i>Extracted:</i> <i>Analyzed:</i> <i>Units/RL:</i> | 07.14.2020 16:04 07.14.2020 16:04 mg/L RL | 07.14.2020 16:04 07.14.2020 16:04 mg/L RL | 07.14.2020 16:04 07.14.2020 16:04 mg/L RL | 07.14.2020 16:04 07.14.2020 17:00 mg/L RL | 07.14.2020 17:00 07.14.2020 17:00 mg/L RL | 07.14.2020 17:00 07.14.2020 17:00 mg/L RL |
| Total Dissolved Solids | | 6850 5.00 | 3150 5.00 | 5540 5.00 | 1960 5.00 | 2450 5.00 | 1650 5.00 |

BRL - Below Reporting Limit

Houston - Dallas - Midland - Tampa - Phoenix - Lubbock - San Antonio - El Paso - Atlanta - New Mexico



Certificate of Analysis Summary 667041

GHD Services, INC- Midland, Midland, TX

Project Name: Dollarhide

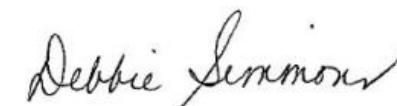
Project Id: 055270
Contact: Nick Casten
Project Location: New Mexico

Date Received in Lab: Mon 07.13.2020 16:23
Report Date: 07.26.2020 15:00
Project Manager: Debbie Simmons

| | | | | | | | | |
|--|--|------------------------------|--------------------------------------|--|---|------|-------|------|
| Analysis Requested | | Lab Id: 667041-013 | Field Id: NM-MW-9-W-201307 | 667041-014 45-E3-MW-W-201307 | 667041-015 43-K-1-MW-W-201307 | | | |
| | | Depth: | | | | | | |
| | | Matrix: | GROUND WATER | GROUND WATER | GROUND WATER | | | |
| | | Sampled: | 07.13.2020 13:00 | 07.13.2020 13:30 | 07.13.2020 13:45 | | | |
| Inorganic Anions by EPA 300/300.1 | | Extracted: | 07.15.2020 09:40 | 07.15.2020 09:40 | 07.15.2020 09:40 | | | |
| | | Analyzed: | 07.15.2020 11:30 | 07.15.2020 11:36 | 07.15.2020 11:42 | | | |
| | | Units/RL: | mg/L | RL | mg/L | RL | | |
| Chloride | | | 271 | 2.50 | 5690 | 25.0 | 7440 | 25.0 |
| TDS by SM2540C | | Extracted: | | | | | | |
| | | Analyzed: | 07.14.2020 17:00 | 07.14.2020 17:00 | 07.14.2020 17:00 | | | |
| | | Units/RL: | mg/L | RL | mg/L | RL | | |
| Total Dissolved Solids | | | 852 | 5.00 | 8480 | 5.00 | 10700 | 5.00 |

BRL - Below Reporting Limit

Houston - Dallas - Midland - Tampa - Phoenix - Lubbock - San Antonio - El Paso - Atlanta - New Mexico



Analytical Report 667041

for

GHD Services, INC- Midland

Project Manager: Nick Casten

Dollarhide

055270

07.26.2020

Collected By: Client



**1211 W. Florida Ave
Midland TX 79701**

Xenco-Houston (EPA Lab Code: TX00122):
Texas (T104704215-20-36), Arizona (AZ0765), Florida (E871002-33), Louisiana (03054)
Oklahoma (2019-058), North Carolina (681), Arkansas (20-035-0)

Xenco-Dallas (EPA Lab Code: TX01468):
Texas (T104704295-20-25), Arizona (AZ0809)

Xenco-El Paso (EPA Lab Code: TX00127): Texas (T104704221-20-17)
Xenco-Lubbock (EPA Lab Code: TX00139): Texas (T104704219-20-22)
Xenco-Midland (EPA Lab Code: TX00158): Texas (T104704400-19-19)
Xenco-Carlsbad (LELAP): Louisiana (05092)
Xenco-San Antonio (EPA Lab Code: TNI02385): Texas (T104704534-20-7)
Xenco Phoenix (EPA Lab Code: AZ00901): Arizona (AZ0757)
Xenco-Tampa: Florida (E87429), North Carolina (483)



07.26.2020

Project Manager: **Nick Casten**

GHD Services, INC- Midland

2135 S Loop 250 W
Midland, TX 79703

Reference: Eurofins Xenco, LLC Report No(s): **667041**

Dollarhide

Project Address: New Mexico

Nick Casten:

We are reporting to you the results of the analyses performed on the samples received under the project name referenced above and identified with the Eurofins Xenco, LLC Report Number(s) 667041. All results being reported under this Report Number apply to the samples analyzed and properly identified with a Laboratory ID number. Subcontracted analyses are identified in this report with either the NELAC certification number of the subcontract lab in the analyst ID field, or the complete subcontracted report attached to this report.

Unless otherwise noted in a Case Narrative, all data reported in this Analytical Report are in compliance with NELAC standards. The uncertainty of measurement associated with the results of analysis reported is available upon request. Should insufficient sample be provided to the laboratory to meet the method and NELAC Matrix Duplicate and Matrix Spike requirements, then the data will be analyzed, evaluated and reported using all other available quality control measures.

The validity and integrity of this report will remain intact as long as it is accompanied by this letter and reproduced in full, unless written approval is granted by Eurofins Xenco, LLC. This report will be filed for at least 5 years in our archives after which time it will be destroyed without further notice, unless otherwise arranged with you. The samples received, and described as recorded in Report No. 667041 will be filed for 45 days, and after that time they will be properly disposed without further notice, unless otherwise arranged with you. We reserve the right to return to you any unused samples, extracts or solutions related to them if we consider so necessary (e.g., samples identified as hazardous waste, sample sizes exceeding analytical standard practices, controlled substances under regulated protocols, etc).

We thank you for selecting Eurofins Xenco, LLC to serve your analytical needs. If you have any questions concerning this report, please feel free to contact us at any time.

Respectfully,

A handwritten signature in black ink that reads "Debbie Simmons".

Debbie Simmons

Project Manager

A Small Business and Minority Company

Houston - Dallas - Midland - Tampa - Phoenix - Lubbock - San Antonio - El Paso - Atlanta - New Mexico

Sample Cross Reference 667041**GHD Services, INC- Midland, Midland, TX**

Dollarhide

| Sample Id | Matrix | Date Collected | Sample Depth | Lab Sample Id |
|--------------------|---------------|-----------------------|---------------------|----------------------|
| 44-J-4-MW-W-201307 | W | 07.13.2020 10:00 | | 667041-001 |
| 44-J-1-MW-W-201307 | W | 07.13.2020 10:45 | | 667041-002 |
| 44-J-2-MW-W-201307 | W | 07.13.2020 11:00 | | 667041-003 |
| 44-J-3-MW-W-201307 | W | 07.13.2020 10:15 | | 667041-004 |
| 44-5-5-MW-W-201307 | W | 07.13.2020 10:30 | | 667041-005 |
| 44-1-1-MW-W-201307 | W | 07.13.2020 11:15 | | 667041-006 |
| 45-FF-MW-W-201307 | W | 07.13.2020 11:30 | | 667041-007 |
| 45-E-2-MW-W-201307 | W | 07.13.2020 11:45 | | 667041-008 |
| 45-E-1-MW-W-201307 | W | 07.13.2020 12:00 | | 667041-009 |
| 45-F-1-MW-W-201307 | W | 07.13.2020 12:15 | | 667041-010 |
| MW-20-W-201307 | W | 07.13.2020 12:30 | | 667041-011 |
| NM-MW-10-W-201307 | W | 07.13.2020 12:45 | | 667041-012 |
| NM-MW-9-W-201307 | W | 07.13.2020 13:00 | | 667041-013 |
| 45-E3-MW-W-201307 | W | 07.13.2020 13:30 | | 667041-014 |
| 43-K-1-MW-W-201307 | W | 07.13.2020 13:45 | | 667041-015 |

CASE NARRATIVE

Client Name: GHD Services, INC- Midland

Project Name: Dollarhide

Project ID: 055270
Work Order Number(s): 667041

Report Date: 07.26.2020
Date Received: 07.13.2020

Sample receipt non conformances and comments:

Sample receipt non conformances and comments per sample:

None

Certificate of Analytical Results 667041

GHD Services, INC- Midland, Midland, TX

Dollarhide

Sample Id: **44-J-4-MW-W-201307** Matrix: Ground Water Date Received: 07.13.2020 16:23
 Lab Sample Id: 667041-001 Date Collected: 07.13.2020 10:00

Analytical Method: Inorganic Anions by EPA 300/300.1 Prep Method: E300P

Tech: CHE % Moisture:

Analyst: CHE Date Prep: 07.14.2020 15:15

Seq Number: 3131649

| Parameter | Cas Number | Result | RL | MDL | Units | Analysis Date | Flag | Dil |
|-----------|------------|--------|------|------|-------|------------------|------|-----|
| Chloride | 16887-00-6 | 4450 | 25.0 | 1.05 | mg/L | 07.14.2020 23:01 | | 50 |

Analytical Method: TDS by SM2540C

Tech: SPC % Moisture:

Analyst: SPC

Seq Number: 3131946

| Parameter | Cas Number | Result | RL | MDL | Units | Analysis Date | Flag | Dil |
|------------------------|------------|--------|------|------|-------|------------------|------|-----|
| Total Dissolved Solids | 1642222 | 8020 | 5.00 | 5.00 | mg/L | 07.14.2020 16:04 | | 1 |

Certificate of Analytical Results 667041

GHD Services, INC- Midland, Midland, TX

Dollarhide

Sample Id: **44-J-1-MW-W-201307** Matrix: Ground Water Date Received: 07.13.2020 16:23
 Lab Sample Id: 667041-002 Date Collected: 07.13.2020 10:45

Analytical Method: Inorganic Anions by EPA 300/300.1 Prep Method: E300P

Tech: CHE % Moisture:

Analyst: CHE Date Prep: 07.14.2020 15:15

Seq Number: 3131649

| Parameter | Cas Number | Result | RL | MDL | Units | Analysis Date | Flag | Dil |
|-----------|------------|--------|------|------|-------|------------------|------|-----|
| Chloride | 16887-00-6 | 4770 | 25.0 | 1.05 | mg/L | 07.14.2020 23:09 | | 50 |

Analytical Method: TDS by SM2540C

Tech: SPC % Moisture:

Analyst: SPC

Seq Number: 3131946

| Parameter | Cas Number | Result | RL | MDL | Units | Analysis Date | Flag | Dil |
|------------------------|------------|--------|------|------|-------|------------------|------|-----|
| Total Dissolved Solids | 1642222 | 7880 | 5.00 | 5.00 | mg/L | 07.14.2020 16:04 | | 1 |

Certificate of Analytical Results 667041

GHD Services, INC- Midland, Midland, TX

Dollarhide

Sample Id: **44-J-2-MW-W-201307** Matrix: Ground Water Date Received: 07.13.2020 16:23
 Lab Sample Id: 667041-003 Date Collected: 07.13.2020 11:00

Analytical Method: Inorganic Anions by EPA 300/300.1 Prep Method: E300P

Tech: CHE % Moisture:

Analyst: CHE Date Prep: 07.14.2020 15:15

Seq Number: 3131649

| Parameter | Cas Number | Result | RL | MDL | Units | Analysis Date | Flag | Dil |
|-----------|------------|-------------|------|------|-------|------------------|------|-----|
| Chloride | 16887-00-6 | 5120 | 25.0 | 1.05 | mg/L | 07.14.2020 23:18 | | 50 |

Analytical Method: TDS by SM2540C

Tech: SPC % Moisture:

Analyst: SPC

Seq Number: 3131946

| Parameter | Cas Number | Result | RL | MDL | Units | Analysis Date | Flag | Dil |
|------------------------|------------|-------------|------|------|-------|------------------|------|-----|
| Total Dissolved Solids | 1642222 | 8210 | 5.00 | 5.00 | mg/L | 07.14.2020 16:04 | | 1 |

Certificate of Analytical Results 667041

GHD Services, INC- Midland, Midland, TX

Dollarhide

Sample Id: **44-J-3-MW-W-201307** Matrix: Ground Water Date Received: 07.13.2020 16:23
 Lab Sample Id: 667041-004 Date Collected: 07.13.2020 10:15

Analytical Method: Inorganic Anions by EPA 300/300.1 Prep Method: E300P

Tech: CHE % Moisture:

Analyst: CHE Date Prep: 07.14.2020 15:15

Seq Number: 3131649

| Parameter | Cas Number | Result | RL | MDL | Units | Analysis Date | Flag | Dil |
|-----------|------------|--------|------|------|-------|------------------|------|-----|
| Chloride | 16887-00-6 | 4920 | 25.0 | 1.05 | mg/L | 07.14.2020 23:51 | | 50 |

Analytical Method: TDS by SM2540C

Tech: SPC % Moisture:

Analyst: SPC

Seq Number: 3131946

| Parameter | Cas Number | Result | RL | MDL | Units | Analysis Date | Flag | Dil |
|------------------------|------------|--------|------|------|-------|------------------|------|-----|
| Total Dissolved Solids | 1642222 | 8080 | 5.00 | 5.00 | mg/L | 07.14.2020 16:04 | | 1 |

Certificate of Analytical Results 667041

GHD Services, INC- Midland, Midland, TX

Dollarhide

Sample Id: **44-5-5-MW-W-201307** Matrix: Ground Water Date Received: 07.13.2020 16:23
 Lab Sample Id: 667041-005 Date Collected: 07.13.2020 10:30

Analytical Method: Inorganic Anions by EPA 300/300.1 Prep Method: E300P

Tech: CHE % Moisture:

Analyst: CHE Date Prep: 07.14.2020 15:15

Seq Number: 3131649

| Parameter | Cas Number | Result | RL | MDL | Units | Analysis Date | Flag | Dil |
|-----------|------------|--------|------|------|-------|------------------|------|-----|
| Chloride | 16887-00-6 | 4190 | 25.0 | 1.05 | mg/L | 07.15.2020 00:00 | | 50 |

Analytical Method: TDS by SM2540C

Tech: SPC % Moisture:

Analyst: SPC

Seq Number: 3131946

| Parameter | Cas Number | Result | RL | MDL | Units | Analysis Date | Flag | Dil |
|------------------------|------------|--------|------|------|-------|------------------|------|-----|
| Total Dissolved Solids | 1642222 | 6690 | 5.00 | 5.00 | mg/L | 07.14.2020 16:04 | | 1 |

Certificate of Analytical Results 667041

GHD Services, INC- Midland, Midland, TX

Dollarhide

Sample Id: **44-1-1-MW-W-201307** Matrix: Ground Water Date Received: 07.13.2020 16:23
 Lab Sample Id: 667041-006 Date Collected: 07.13.2020 11:15

Analytical Method: Inorganic Anions by EPA 300/300.1 Prep Method: E300P

Tech: CHE % Moisture:

Analyst: CHE Date Prep: 07.14.2020 15:15

Seq Number: 3131649

| Parameter | Cas Number | Result | RL | MDL | Units | Analysis Date | Flag | Dil |
|-----------|------------|-------------|------|------|-------|------------------|------|-----|
| Chloride | 16887-00-6 | 3660 | 25.0 | 1.05 | mg/L | 07.15.2020 00:25 | | 50 |

Analytical Method: TDS by SM2540C

Tech: SPC % Moisture:

Analyst: SPC

Seq Number: 3131946

| Parameter | Cas Number | Result | RL | MDL | Units | Analysis Date | Flag | Dil |
|------------------------|------------|-------------|------|------|-------|------------------|------|-----|
| Total Dissolved Solids | 1642222 | 5840 | 5.00 | 5.00 | mg/L | 07.14.2020 16:04 | | 1 |

Certificate of Analytical Results 667041

GHD Services, INC- Midland, Midland, TX

Dollarhide

Sample Id: **45-FF-MW-W-201307** Matrix: Ground Water Date Received: 07.13.2020 16:23
 Lab Sample Id: 667041-007 Date Collected: 07.13.2020 11:30

Analytical Method: Inorganic Anions by EPA 300/300.1 Prep Method: E300P

Tech: CHE % Moisture:

Analyst: CHE Date Prep: 07.14.2020 15:15

Seq Number: 3131649

| Parameter | Cas Number | Result | RL | MDL | Units | Analysis Date | Flag | Dil |
|-----------|------------|--------|------|------|-------|------------------|------|-----|
| Chloride | 16887-00-6 | 4120 | 25.0 | 1.05 | mg/L | 07.15.2020 00:34 | | 50 |

Analytical Method: TDS by SM2540C

Tech: SPC % Moisture:

Analyst: SPC

Seq Number: 3131946

| Parameter | Cas Number | Result | RL | MDL | Units | Analysis Date | Flag | Dil |
|------------------------|------------|--------|------|------|-------|------------------|------|-----|
| Total Dissolved Solids | 1642222 | 6850 | 5.00 | 5.00 | mg/L | 07.14.2020 16:04 | | 1 |

Certificate of Analytical Results 667041

GHD Services, INC- Midland, Midland, TX

Dollarhide

Sample Id: **45-E-2-MW-W-201307** Matrix: Ground Water Date Received: 07.13.2020 16:23
 Lab Sample Id: 667041-008 Date Collected: 07.13.2020 11:45

Analytical Method: Inorganic Anions by EPA 300/300.1 Prep Method: E300P

Tech: CHE % Moisture:

Analyst: CHE Date Prep: 07.14.2020 15:15

Seq Number: 3131649

| Parameter | Cas Number | Result | RL | MDL | Units | Analysis Date | Flag | Dil |
|-----------|------------|--------|------|------|-------|------------------|------|-----|
| Chloride | 16887-00-6 | 1750 | 25.0 | 1.05 | mg/L | 07.15.2020 00:42 | | 50 |

Analytical Method: TDS by SM2540C

Tech: SPC % Moisture:

Analyst: SPC

Seq Number: 3131946

| Parameter | Cas Number | Result | RL | MDL | Units | Analysis Date | Flag | Dil |
|------------------------|------------|--------|------|------|-------|------------------|------|-----|
| Total Dissolved Solids | 1642222 | 3150 | 5.00 | 5.00 | mg/L | 07.14.2020 16:04 | | 1 |

Certificate of Analytical Results 667041

GHD Services, INC- Midland, Midland, TX

Dollarhide

Sample Id: **45-E-1-MW-W-201307** Matrix: Ground Water Date Received: 07.13.2020 16:23
 Lab Sample Id: 667041-009 Date Collected: 07.13.2020 12:00

Analytical Method: Inorganic Anions by EPA 300/300.1 Prep Method: E300P

Tech: CHE % Moisture:

Analyst: CHE Date Prep: 07.14.2020 15:15

Seq Number: 3131649

| Parameter | Cas Number | Result | RL | MDL | Units | Analysis Date | Flag | Dil |
|-----------|------------|-------------|------|------|-------|------------------|------|-----|
| Chloride | 16887-00-6 | 3100 | 25.0 | 1.05 | mg/L | 07.15.2020 00:51 | | 50 |

Analytical Method: TDS by SM2540C

Tech: SPC % Moisture:

Analyst: SPC

Seq Number: 3131946

| Parameter | Cas Number | Result | RL | MDL | Units | Analysis Date | Flag | Dil |
|------------------------|------------|-------------|------|------|-------|------------------|------|-----|
| Total Dissolved Solids | 1642222 | 5540 | 5.00 | 5.00 | mg/L | 07.14.2020 16:04 | | 1 |

Certificate of Analytical Results 667041

GHD Services, INC- Midland, Midland, TX

Dollarhide

Sample Id: **45-F-1-MW-W-201307** Matrix: Ground Water Date Received: 07.13.2020 16:23
 Lab Sample Id: 667041-010 Date Collected: 07.13.2020 12:15

Analytical Method: Inorganic Anions by EPA 300/300.1 Prep Method: E300P

Tech: CHE % Moisture:

Analyst: CHE Date Prep: 07.14.2020 15:15

Seq Number: 3131649

| Parameter | Cas Number | Result | RL | MDL | Units | Analysis Date | Flag | Dil |
|-----------|------------|--------|------|-------|-------|------------------|------|-----|
| Chloride | 16887-00-6 | 1130 | 10.0 | 0.421 | mg/L | 07.15.2020 00:59 | | 20 |

Analytical Method: TDS by SM2540C

Tech: SPC % Moisture:

Analyst: SPC

Seq Number: 3131946

| Parameter | Cas Number | Result | RL | MDL | Units | Analysis Date | Flag | Dil |
|------------------------|------------|--------|------|------|-------|------------------|------|-----|
| Total Dissolved Solids | 1642222 | 1960 | 5.00 | 5.00 | mg/L | 07.14.2020 16:04 | | 1 |

Certificate of Analytical Results 667041

GHD Services, INC- Midland, Midland, TX

Dollarhide

Sample Id: **MW-20-W-201307** Matrix: Ground Water Date Received: 07.13.2020 16:23
 Lab Sample Id: 667041-011 Date Collected: 07.13.2020 12:30

Analytical Method: Inorganic Anions by EPA 300/300.1 Prep Method: E300P

Tech: CHE % Moisture:

Analyst: CHE Date Prep: 07.14.2020 15:15

Seq Number: 3131649

| Parameter | Cas Number | Result | RL | MDL | Units | Analysis Date | Flag | Dil |
|-----------|------------|--------|------|-------|-------|------------------|------|-----|
| Chloride | 16887-00-6 | 1320 | 10.0 | 0.421 | mg/L | 07.15.2020 01:07 | | 20 |

Analytical Method: TDS by SM2540C

Tech: SPC % Moisture:

Analyst: SPC

Seq Number: 3131947

| Parameter | Cas Number | Result | RL | MDL | Units | Analysis Date | Flag | Dil |
|------------------------|------------|--------|------|------|-------|------------------|------|-----|
| Total Dissolved Solids | 1642222 | 2450 | 5.00 | 5.00 | mg/L | 07.14.2020 17:00 | | 1 |

Certificate of Analytical Results 667041

GHD Services, INC- Midland, Midland, TX

Dollarhide

Sample Id: **NM-MW-10-W-201307** Matrix: Ground Water Date Received: 07.13.2020 16:23
 Lab Sample Id: 667041-012 Date Collected: 07.13.2020 12:45

Analytical Method: Inorganic Anions by EPA 300/300.1 Prep Method: E300P

Tech: CHE % Moisture:

Analyst: CHE Date Prep: 07.14.2020 15:15

Seq Number: 3131649

| Parameter | Cas Number | Result | RL | MDL | Units | Analysis Date | Flag | Dil |
|-----------|------------|--------|------|-------|-------|------------------|------|-----|
| Chloride | 16887-00-6 | 366 | 5.00 | 0.210 | mg/L | 07.15.2020 01:16 | | 10 |

Analytical Method: TDS by SM2540C

Tech: SPC % Moisture:

Analyst: SPC

Seq Number: 3131947

| Parameter | Cas Number | Result | RL | MDL | Units | Analysis Date | Flag | Dil |
|------------------------|------------|--------|------|------|-------|------------------|------|-----|
| Total Dissolved Solids | 1642222 | 1650 | 5.00 | 5.00 | mg/L | 07.14.2020 17:00 | | 1 |

Certificate of Analytical Results 667041

GHD Services, INC- Midland, Midland, TX

Dollarhide

Sample Id: **NM-MW-9-W-201307** Matrix: Ground Water Date Received: 07.13.2020 16:23
 Lab Sample Id: 667041-013 Date Collected: 07.13.2020 13:00

Analytical Method: Inorganic Anions by EPA 300/300.1 Prep Method: E300P

Tech: CHE % Moisture:

Analyst: CHE

Date Prep: 07.15.2020 09:40

Seq Number: 3131791

| Parameter | Cas Number | Result | RL | MDL | Units | Analysis Date | Flag | Dil |
|-----------|------------|--------|------|-------|-------|------------------|------|-----|
| Chloride | 16887-00-6 | 271 | 2.50 | 0.105 | mg/L | 07.15.2020 11:30 | | 5 |

Analytical Method: TDS by SM2540C

Tech: SPC % Moisture:

Analyst: SPC

Seq Number: 3131947

| Parameter | Cas Number | Result | RL | MDL | Units | Analysis Date | Flag | Dil |
|------------------------|------------|--------|------|------|-------|------------------|------|-----|
| Total Dissolved Solids | 1642222 | 852 | 5.00 | 5.00 | mg/L | 07.14.2020 17:00 | | 1 |

Certificate of Analytical Results 667041

GHD Services, INC- Midland, Midland, TX

Dollarhide

Sample Id: **45-E3-MW-W-201307** Matrix: Ground Water Date Received: 07.13.2020 16:23
 Lab Sample Id: 667041-014 Date Collected: 07.13.2020 13:30

Analytical Method: Inorganic Anions by EPA 300/300.1 Prep Method: E300P

Tech: CHE % Moisture:

Analyst: CHE

Date Prep: 07.15.2020 09:40

Seq Number: 3131791

| Parameter | Cas Number | Result | RL | MDL | Units | Analysis Date | Flag | Dil |
|-----------|------------|-------------|------|------|-------|------------------|------|-----|
| Chloride | 16887-00-6 | 5690 | 25.0 | 1.05 | mg/L | 07.15.2020 11:36 | | 50 |

Analytical Method: TDS by SM2540C

Tech: SPC % Moisture:

Analyst: SPC

Seq Number: 3131947

| Parameter | Cas Number | Result | RL | MDL | Units | Analysis Date | Flag | Dil |
|------------------------|------------|-------------|------|------|-------|------------------|------|-----|
| Total Dissolved Solids | 1642222 | 8480 | 5.00 | 5.00 | mg/L | 07.14.2020 17:00 | | 1 |

Certificate of Analytical Results 667041

GHD Services, INC- Midland, Midland, TX

Dollarhide

Sample Id: **43-K-1-MW-W-201307** Matrix: Ground Water Date Received: 07.13.2020 16:23
 Lab Sample Id: 667041-015 Date Collected: 07.13.2020 13:45

Analytical Method: Inorganic Anions by EPA 300/300.1 Prep Method: E300P

Tech: CHE % Moisture:

Analyst: CHE Date Prep: 07.15.2020 09:40

Seq Number: 3131791

| Parameter | Cas Number | Result | RL | MDL | Units | Analysis Date | Flag | Dil |
|-----------|------------|-------------|------|------|-------|------------------|------|-----|
| Chloride | 16887-00-6 | 7440 | 25.0 | 1.05 | mg/L | 07.15.2020 11:42 | | 50 |

Analytical Method: TDS by SM2540C

Tech: SPC % Moisture:

Analyst: SPC

Seq Number: 3131947

| Parameter | Cas Number | Result | RL | MDL | Units | Analysis Date | Flag | Dil |
|------------------------|------------|--------------|------|------|-------|------------------|------|-----|
| Total Dissolved Solids | 1642222 | 10700 | 5.00 | 5.00 | mg/L | 07.14.2020 17:00 | | 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. **ND** Not Detected.

RL Reporting Limit

MDL Method Detection Limit **SDL** Sample Detection Limit **LOD** Limit of Detection

PQL Practical Quantitation Limit **MQL** Method Quantitation Limit **LOQ** Limit of Quantitation

DL Method Detection Limit

NC Non-Calculable

SMP Client Sample **BLK** Method Blank

BKS/LCS Blank Spike/Laboratory Control Sample **BKSD/LCSD** Blank Spike Duplicate/Laboratory Control Sample Duplicate

MD/SD Method Duplicate/Sample Duplicate **MS** Matrix Spike **MSD:** Matrix Spike Duplicate

+ NELAC certification not offered for this compound.

* (Next to analyte name or method description) = Outside XENCO's scope of NELAC accreditation



QC Summary 667041

GHD Services, INC- Midland
Dollarhide**Analytical Method:** Inorganic Anions by EPA 300/300.1

| | | | | | | | | | |
|------------------|---------------|------------------------------|------------|----------|-------------|-----------------------|--------|------|------------------|
| Seq Number: | 3131649 | Matrix: Water | | | | Prep Method: E300P | | | |
| MB Sample Id: | 7707315-1-BLK | LCS Sample Id: 7707315-1-BKS | | | | Date Prep: 07.14.2020 | | | |
| Parameter | MB Result | Spike Amount | LCS Result | LCS %Rec | LCSD Result | LCSD %Rec | Limits | %RPD | RPD Limit |
| Chloride | <0.0210 | 25.0 | 27.0 | 108 | 27.2 | 109 | 90-110 | 1 | 20 |
| | | | | | | | | mg/L | 07.14.2020 21:11 |

Analytical Method: Inorganic Anions by EPA 300/300.1

| | | | | | | | | | |
|------------------|---------------|------------------------------|------------|----------|-------------|-----------------------|--------|------|------------------|
| Seq Number: | 3131791 | Matrix: Water | | | | Prep Method: E300P | | | |
| MB Sample Id: | 7707378-1-BLK | LCS Sample Id: 7707378-1-BKS | | | | Date Prep: 07.15.2020 | | | |
| Parameter | MB Result | Spike Amount | LCS Result | LCS %Rec | LCSD Result | LCSD %Rec | Limits | %RPD | RPD Limit |
| Chloride | <0.0210 | 25.0 | 25.9 | 104 | 26.0 | 104 | 90-110 | 0 | 20 |
| | | | | | | | | mg/L | 07.15.2020 09:56 |

Analytical Method: Inorganic Anions by EPA 300/300.1

| | | | | | | | | | |
|-------------------|---------------|----------------------------|-----------|---------|------------|-----------------------|--------|------|------------------|
| Seq Number: | 3131649 | Matrix: Drinking Water | | | | Prep Method: E300P | | | |
| Parent Sample Id: | 667046-001 | MS Sample Id: 667046-001 S | | | | Date Prep: 07.14.2020 | | | |
| Parameter | Parent Result | Spike Amount | MS Result | MS %Rec | MSD Result | MSD %Rec | Limits | %RPD | RPD Limit |
| Chloride | 18.5 | 25.0 | 45.6 | 108 | 45.2 | 107 | 90-110 | 1 | 20 |
| | | | | | | | | mg/L | 07.14.2020 21:36 |

Analytical Method: Inorganic Anions by EPA 300/300.1

| | | | | | | | | | |
|-------------------|---------------|----------------------------|-----------|---------|------------|-----------------------|--------|------|------------------|
| Seq Number: | 3131649 | Matrix: Drinking Water | | | | Prep Method: E300P | | | |
| Parent Sample Id: | 667047-001 | MS Sample Id: 667047-001 S | | | | Date Prep: 07.14.2020 | | | |
| Parameter | Parent Result | Spike Amount | MS Result | MS %Rec | MSD Result | MSD %Rec | Limits | %RPD | RPD Limit |
| Chloride | 11.9 | 25.0 | 41.1 | 117 | 39.6 | 111 | 90-110 | 4 | 20 |
| | | | | | | | | mg/L | 07.14.2020 23:35 |

Analytical Method: Inorganic Anions by EPA 300/300.1

| | | | | | | | | | |
|-------------------|---------------|----------------------------|-----------|---------|------------|-----------------------|--------|------|------------------|
| Seq Number: | 3131791 | Matrix: Drinking Water | | | | Prep Method: E300P | | | |
| Parent Sample Id: | 667045-001 | MS Sample Id: 667045-001 S | | | | Date Prep: 07.15.2020 | | | |
| Parameter | Parent Result | Spike Amount | MS Result | MS %Rec | MSD Result | MSD %Rec | Limits | %RPD | RPD Limit |
| Chloride | 9.23 | 25.0 | 34.8 | 102 | 35.0 | 103 | 90-110 | 1 | 20 |
| | | | | | | | | mg/L | 07.15.2020 10:22 |

Analytical Method: Inorganic Anions by EPA 300/300.1

| | | | | | | | | | |
|-------------------|---------------|----------------------------|-----------|---------|------------|-----------------------|--------|------|------------------|
| Seq Number: | 3131791 | Matrix: Ground Water | | | | Prep Method: E300P | | | |
| Parent Sample Id: | 667140-003 | MS Sample Id: 667140-003 S | | | | Date Prep: 07.15.2020 | | | |
| Parameter | Parent Result | Spike Amount | MS Result | MS %Rec | MSD Result | MSD %Rec | Limits | %RPD | RPD Limit |
| Chloride | 321 | 250 | 576 | 102 | 575 | 102 | 90-110 | 0 | 20 |
| | | | | | | | | mg/L | 07.15.2020 12:49 |

MS/MSD Percent Recovery
 Relative Percent Difference
 LCS/LCSD Recovery
 Log Difference

[D] = 100*(C-A) / B
 RPD = 200* | (C-E) / (C+E) |
 [D] = 100 * (C) / [B]
 Log Diff. = Log(Sample Duplicate) - Log(Original Sample)

LCS = Laboratory Control Sample
 A = Parent Result
 C = MS/LCS Result
 E = MSD/LCSD Result

MS = Matrix Spike
 B = Spike Added
 D = MSD/LCSD % Rec



GHD Services, INC- Midland

Dollarhide

Analytical Method: TDS by SM2540C

| Seq Number: | 3131946 | Matrix: Water | | | | | | | | | | |
|------------------------|---------------|------------------------------|------------|----------|-------------|-------------------------------|--------|------|-----------|-------|------------------|------|
| MB Sample Id: | 3131946-1-BLK | LCS Sample Id: 3131946-1-BKS | | | | LCSD Sample Id: 3131946-1-BSD | | | | | | |
| Parameter | MB Result | Spike Amount | LCS Result | LCS %Rec | LCSD Result | LCSD %Rec | Limits | %RPD | RPD Limit | Units | Analysis Date | Flag |
| Total Dissolved Solids | <5.00 | 1000 | 998 | 100 | 998 | 100 | 80-120 | 0 | 10 | mg/L | 07.14.2020 16:04 | |

Analytical Method: TDS by SM2540C

| Seq Number: | 3131947 | Matrix: Water | | | | | | | | | | |
|------------------------|---------------|------------------------------|------------|----------|-------------|-------------------------------|--------|------|-----------|-------|------------------|------|
| MB Sample Id: | 3131947-1-BLK | LCS Sample Id: 3131947-1-BKS | | | | LCSD Sample Id: 3131947-1-BSD | | | | | | |
| Parameter | MB Result | Spike Amount | LCS Result | LCS %Rec | LCSD Result | LCSD %Rec | Limits | %RPD | RPD Limit | Units | Analysis Date | Flag |
| Total Dissolved Solids | <5.00 | 1000 | 998 | 100 | 996 | 100 | 80-120 | 0 | 10 | mg/L | 07.14.2020 17:00 | |

Analytical Method: TDS by SM2540C

| Seq Number: | 3131946 | Matrix: Ground Water | | | | | | | | | | |
|------------------------|---------------|----------------------------|--|--|--|------|--|-----------|-------|---------------|------------------|--|
| Parent Sample Id: | 666917-001 | MD Sample Id: 666917-001 D | | | | | | | | | | |
| Parameter | Parent Result | MD Result | | | | %RPD | | RPD Limit | Units | Analysis Date | Flag | |
| Total Dissolved Solids | 1130 | 1120 | | | | | | 1 | 10 | mg/L | 07.14.2020 16:04 | |

Analytical Method: TDS by SM2540C

| Seq Number: | 3131946 | Matrix: Ground Water | | | | | | | | | | |
|------------------------|---------------|----------------------------|--|--|--|------|--|-----------|-------|---------------|------------------|--|
| Parent Sample Id: | 667041-001 | MD Sample Id: 667041-001 D | | | | | | | | | | |
| Parameter | Parent Result | MD Result | | | | %RPD | | RPD Limit | Units | Analysis Date | Flag | |
| Total Dissolved Solids | 8020 | 8120 | | | | | | 1 | 10 | mg/L | 07.14.2020 16:04 | |

Analytical Method: TDS by SM2540C

| Seq Number: | 3131947 | Matrix: Ground Water | | | | | | | | | | |
|------------------------|---------------|----------------------------|--|--|--|------|--|-----------|-------|---------------|------------------|--|
| Parent Sample Id: | 667041-011 | MD Sample Id: 667041-011 D | | | | | | | | | | |
| Parameter | Parent Result | MD Result | | | | %RPD | | RPD Limit | Units | Analysis Date | Flag | |
| Total Dissolved Solids | 2450 | 2460 | | | | | | 0 | 10 | mg/L | 07.14.2020 17:00 | |

Analytical Method: TDS by SM2540C

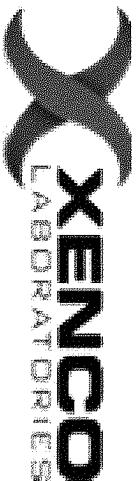
| Seq Number: | 3131947 | Matrix: Ground Water | | | | | | | | | | |
|------------------------|---------------|----------------------------|--|--|--|------|--|-----------|-------|---------------|------------------|--|
| Parent Sample Id: | 667139-005 | MD Sample Id: 667139-005 D | | | | | | | | | | |
| Parameter | Parent Result | MD Result | | | | %RPD | | RPD Limit | Units | Analysis Date | Flag | |
| Total Dissolved Solids | 811 | 805 | | | | | | 1 | 10 | mg/L | 07.14.2020 17:00 | |

MS/MSD Percent Recovery
 Relative Percent Difference
 LCS/LCSD Recovery
 Log Difference

[D] = 100*(C-A) / B
 RPD = 200* | (C-E) / (C+E) |
 [D] = 100 * (C) / [B]
 Log Diff. = Log(Sample Duplicate) - Log(Original Sample)

LCS = Laboratory Control Sample
 A = Parent Result
 C = MS/LCS Result
 E = MSD/LCSD Result

MS = Matrix Spike
 B = Spike Added
 D = MSD/LCSD % Rec



Chain of Custody

Work Order No: W07CM1

Houston, TX (281) 240-4200 Dallas, TX (214) 902-0300 San Antonio, TX (210) 509-3334
 Midland, TX (432)-704-5440 El Paso, TX (915) 585-3443 Lubbock, TX (806) 794-1296
 Hobbs, NM (575)-392-7550 Phoenix, AZ (480)-355-0900 Atlanta, GA (770)-449-8800 Tampa, FL (813) 620-2000
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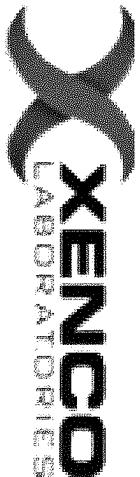
| Project Manager: | Nick Casten | Bill to: (if different) | Gina Blair-Apinvoices-340@ghd.com | Work Order Comments | |
|------------------|-----------------------|-------------------------|--|---------------------|--|
| Company Name: | GHD | Company Name: | GHD Services Inc.- 340 | | |
| Address: | 2135 S. Loop 250 West | Address: | 2055 Niagara Falls Blvd. | | |
| City, State ZIP: | Midland, TX 79703 | City, State ZIP: | Niagara Falls, NY 14304 | | |
| Phone: | 225-292-9007 | Email: | Nick.Casten@ghd.com & Christopher.Knight@ghd.com & Brittany.White@ghd.com & edds@ghd.com | | |

| ANALYSIS REQUEST | | | | Work Order Notes | |
|-----------------------|---|--------------------|---|--|----------------------|
| Project Name: | Dollardhide | Turn Around | | | |
| Project Number: | 55270 | Temp Blank: | Yes <input checked="" type="radio"/> No <input type="radio"/> | Net Ice: <input checked="" type="radio"/> Yes <input type="radio"/> No | |
| P.O. Number: | RPL Lining | Routine | <input type="checkbox"/> | | |
| Sampler's Name: | | Rush: | <input type="checkbox"/> | | |
| SAMPLE RECEIPT | | Due Date: | | | |
| Temperature (°C): | 0.5/1.0 | Thermometer ID: | | | |
| Received Intact: | Yes <input checked="" type="radio"/> No <input type="radio"/> | Correction Factor: | -0.4 | | |
| Cooler Custody Seals: | Yes <input checked="" type="radio"/> No <input type="radio"/> | Total Containers: | | | |
| Sample Custody Seals: | Yes <input checked="" type="radio"/> No <input type="radio"/> | | | | |
| Sample Identification | Matrix | Date Sampled | Time Sampled | Depth | Number of Containers |
| 44-3-4-mw-w-201307 | GW | 13:50:10 | 1000 | 1 | Chlorides |
| 44-3-1-mw-w-201307 | | 1045 | | | TDS |
| 44-3-2-mw-w-201307 | | 11:00 | | | |
| 44-3-3-mw-w-201307 | | 16:15 | | | |
| 44-5-5-mw-w-201307 | | 10:30 | | | |
| 44-1-1-mw-w-201307 | | 11:15 | | | |
| 45-FF-mw-w-201307 | | 11:30 | | | |
| 45-E-2-mw-w-201307 | | 11:45 | | | |
| 45-E-1-mw-w-201307 | | 12:00 | | | |
| 45-F-1-mw-w-201307 | | 12:15 | | | |

| Sample Identification | | Matrix | | Date Sampled | Time Sampled | Depth | Number of Containers | Chlorides | TDS | Sample Comments |
|-----------------------|----|----------|------|--------------|--------------|-------|----------------------|-----------|-----|-----------------|
| 44-3-4-mw-w-201307 | GW | 13:50:10 | 1000 | 1 | X | X | | | | |
| 44-3-1-mw-w-201307 | | 1045 | | | | | | | | |
| 44-3-2-mw-w-201307 | | 11:00 | | | | | | | | |
| 44-3-3-mw-w-201307 | | 16:15 | | | | | | | | |
| 44-5-5-mw-w-201307 | | 10:30 | | | | | | | | |
| 44-1-1-mw-w-201307 | | 11:15 | | | | | | | | |
| 45-FF-mw-w-201307 | | 11:30 | | | | | | | | |
| 45-E-2-mw-w-201307 | | 11:45 | | | | | | | | |
| 45-E-1-mw-w-201307 | | 12:00 | | | | | | | | |
| 45-F-1-mw-w-201307 | | 12:15 | | | | | | | | |

| | | | | | | | | | | | | | | | | | | | |
|--|-------------------|-------|-------|-------|-------|----|----|----|----|------|---|----|----|----|----|----|----|---|----|
| 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 Ti 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 | Zn |

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.



Chain of Custody

Work Order No:

| | | | |
|------------------|-----------------------|--------|--|
| Project Manager: | Nick Casten | | |
| Company Name: | GHD | | |
| Address: | 2135 S. Loop 250 West | | |
| City, State ZIP: | Midland | TX | 79703 |
| Phone: | 225-292-9007 | Email: | Nick.Casten@ghd.com & Christopher.Knight@ghd.com & Brittany.White@ghd.com & edds@ghd.com |

| | | | |
|--|------------------------------------|----------------------------------|--|
| 3-620-2000) | www.xenco.com | Page | of |
| Work Order Comments | | | |
| Program: UST/PST <input type="checkbox"/> PRP <input type="checkbox"/> Brownfields <input type="checkbox"/> RRC <input type="checkbox"/> Superfund <input type="checkbox"/> | | | |
| State of Project: | | | |
| Reporting Level II | Level III <input type="checkbox"/> | PST/UST <input type="checkbox"/> | TRRP <input checked="" type="checkbox"/> Level IV <input type="checkbox"/> |
| Deliverables: EDD | <input type="checkbox"/> | ADAPT <input type="checkbox"/> | Other: |

| Total 2007 / 6010 | 2008 / 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 Ti 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 Ti U | | | |
| 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  |  | 7/13 2 | | | |
| 3  | | 4 | | | |
| 5 | | 6 | | | |

Eurofins Xenco, LLC
Prelogin/Nonconformance Report- Sample Log-In

Client: GHD Services, INC- Midland

Acceptable Temperature Range: 0 - 6 degC

Date/ Time Received: 07.13.2020 04.23.00 PM

Air and Metal samples Acceptable Range: Ambient

Work Order #: 667041

Temperature Measuring device used : IR-8

| 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)? | N/A |
| #18 Water VOC samples have zero headspace? | N/A |

* Must be completed for after-hours delivery of samples prior to placing in the refrigerator

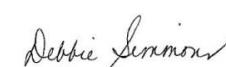
Analyst: AJA

PH Device/Lot#: 10BDH1991

Checklist completed by:

Brianna Teel

Date: 07.13.2020

Checklist reviewed by:

Debbie Simmons

Date: 07.14.2020

Certificate of Analysis Summary 667042

GHD Services, INC- Midland, Midland, TX

Project Id: 055270
Contact: Nick Casten
Project Location: New Mexico

Date Received in Lab: Mon 07.13.2020 16:23
Report Date: 07.26.2020 15:00
Project Manager: Debbie Simmons

Project Name: Dollarhide

| | | | | | | | |
|--|--|---|------|--|--|--|--|
| Analysis Requested | | Lab Id: 667042-001 Field Id: NM-MW-14-W-201307 Depth: Matrix: GROUND WATER Sampled: 07.13.2020 13:15 | | | | | |
| Inorganic Anions by EPA 300/300.1 | | Extracted: 07.15.2020 09:40 Analyzed: 07.15.2020 11:48 Units/RL: mg/L RL | | | | | |
| Chloride | | 25.0 | 2.50 | | | | |
| TDS by SM2540C | | Extracted: Analyzed: 07.14.2020 17:00 Units/RL: mg/L RL | | | | | |
| Total Dissolved Solids | | 488 | 5.00 | | | | |

BRL - Below Reporting Limit

Houston - Dallas - Midland - Tampa - Phoenix - Lubbock - San Antonio - El Paso - Atlanta - New Mexico



Analytical Report 667042

for

GHD Services, INC- Midland

Project Manager: Nick Casten

Dollarhide

055270

07.26.2020

Collected By: Client



**1211 W. Florida Ave
Midland TX 79701**

Xenco-Houston (EPA Lab Code: TX00122):
Texas (T104704215-20-36), Arizona (AZ0765), Florida (E871002-33), Louisiana (03054)
Oklahoma (2019-058), North Carolina (681), Arkansas (20-035-0)

Xenco-Dallas (EPA Lab Code: TX01468):
Texas (T104704295-20-25), Arizona (AZ0809)

Xenco-El Paso (EPA Lab Code: TX00127): Texas (T104704221-20-17)
Xenco-Lubbock (EPA Lab Code: TX00139): Texas (T104704219-20-22)
Xenco-Midland (EPA Lab Code: TX00158): Texas (T104704400-19-19)
Xenco-Carlsbad (LELAP): Louisiana (05092)
Xenco-San Antonio (EPA Lab Code: TNI02385): Texas (T104704534-20-7)
Xenco Phoenix (EPA Lab Code: AZ00901): Arizona (AZ0757)
Xenco-Tampa: Florida (E87429), North Carolina (483)



07.26.2020

Project Manager: **Nick Casten**

GHD Services, INC- Midland

2135 S Loop 250 W
Midland, TX 79703

Reference: Eurofins Xenco, LLC Report No(s): **667042**

Dollarhide

Project Address: New Mexico

Nick Casten:

We are reporting to you the results of the analyses performed on the samples received under the project name referenced above and identified with the Eurofins Xenco, LLC Report Number(s) 667042. All results being reported under this Report Number apply to the samples analyzed and properly identified with a Laboratory ID number. Subcontracted analyses are identified in this report with either the NELAC certification number of the subcontract lab in the analyst ID field, or the complete subcontracted report attached to this report.

Unless otherwise noted in a Case Narrative, all data reported in this Analytical Report are in compliance with NELAC standards. The uncertainty of measurement associated with the results of analysis reported is available upon request. Should insufficient sample be provided to the laboratory to meet the method and NELAC Matrix Duplicate and Matrix Spike requirements, then the data will be analyzed, evaluated and reported using all other available quality control measures.

The validity and integrity of this report will remain intact as long as it is accompanied by this letter and reproduced in full, unless written approval is granted by Eurofins Xenco, LLC. This report will be filed for at least 5 years in our archives after which time it will be destroyed without further notice, unless otherwise arranged with you. The samples received, and described as recorded in Report No. 667042 will be filed for 45 days, and after that time they will be properly disposed without further notice, unless otherwise arranged with you. We reserve the right to return to you any unused samples, extracts or solutions related to them if we consider so necessary (e.g., samples identified as hazardous waste, sample sizes exceeding analytical standard practices, controlled substances under regulated protocols, etc).

We thank you for selecting Eurofins Xenco, LLC to serve your analytical needs. If you have any questions concerning this report, please feel free to contact us at any time.

Respectfully,

A handwritten signature in black ink that reads "Debbie Simmons".

Debbie Simmons

Project Manager

A Small Business and Minority Company

Houston - Dallas - Midland - Tampa - Phoenix - Lubbock - San Antonio - El Paso - Atlanta - New Mexico

**Sample Cross Reference 667042****GHD Services, INC- Midland, Midland, TX**

Dollarhide

| Sample Id | Matrix | Date Collected | Sample Depth | Lab Sample Id |
|-------------------|---------------|-----------------------|---------------------|----------------------|
| NM-MW-14-W-201307 | W | 07.13.2020 13:15 | | 667042-001 |



CASE NARRATIVE

Client Name: GHD Services, INC- Midland
Project Name: Dollarhide

Project ID: 055270
Work Order Number(s): 667042

Report Date: 07.26.2020
Date Received: 07.13.2020

Sample receipt non conformances and comments:

Sample receipt non conformances and comments per sample:

None

Certificate of Analytical Results 667042

GHD Services, INC- Midland, Midland, TX

Dollarhide

Sample Id: **NM-MW-14-W-201307** Matrix: Ground Water Date Received: 07.13.2020 16:23
 Lab Sample Id: 667042-001 Date Collected: 07.13.2020 13:15

Analytical Method: Inorganic Anions by EPA 300/300.1 Prep Method: E300P

Tech: CHE % Moisture:

Analyst: CHE

Date Prep: 07.15.2020 09:40

Seq Number: 3131791

| Parameter | Cas Number | Result | RL | MDL | Units | Analysis Date | Flag | Dil |
|-----------|------------|--------|------|-------|-------|------------------|------|-----|
| Chloride | 16887-00-6 | 25.0 | 2.50 | 0.105 | mg/L | 07.15.2020 11:48 | | 5 |

Analytical Method: TDS by SM2540C

Tech: SPC % Moisture:

Analyst: SPC

Seq Number: 3131947

| Parameter | Cas Number | Result | RL | MDL | Units | Analysis Date | Flag | Dil |
|------------------------|------------|--------|------|------|-------|------------------|------|-----|
| Total Dissolved Solids | 1642222 | 488 | 5.00 | 5.00 | mg/L | 07.14.2020 17:00 | | 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. **ND** Not Detected.

RL Reporting Limit

MDL Method Detection Limit **SDL** Sample Detection Limit **LOD** Limit of Detection

PQL Practical Quantitation Limit **MQL** Method Quantitation Limit **LOQ** Limit of Quantitation

DL Method Detection Limit

NC Non-Calculable

SMP Client Sample **BLK** Method Blank

BKS/LCS Blank Spike/Laboratory Control Sample **BKSD/LCSD** Blank Spike Duplicate/Laboratory Control Sample Duplicate

MD/SD Method Duplicate/Sample Duplicate **MS** Matrix Spike **MSD:** Matrix Spike Duplicate

+ NELAC certification not offered for this compound.

* (Next to analyte name or method description) = Outside XENCO's scope of NELAC accreditation



QC Summary 667042

GHD Services, INC- Midland
Dollarhide**Analytical Method:** Inorganic Anions by EPA 300/300.1

| | | | | | | | | | |
|------------------|---------------|------------------------------|------------|----------|-------------|-----------------------|--------|------|------------------|
| Seq Number: | 3131791 | Matrix: Water | | | | Prep Method: E300P | | | |
| MB Sample Id: | 7707378-1-BLK | LCS Sample Id: 7707378-1-BKS | | | | Date Prep: 07.15.2020 | | | |
| Parameter | MB Result | Spike Amount | LCS Result | LCS %Rec | LCSD Result | LCSD %Rec | Limits | %RPD | RPD Limit |
| Chloride | <0.0210 | 25.0 | 25.9 | 104 | 26.0 | 104 | 90-110 | 0 | 20 |
| | | | | | | | | mg/L | 07.15.2020 09:56 |

Analytical Method: Inorganic Anions by EPA 300/300.1

| | | | | | | | | | |
|-------------------|---------------|----------------------------|-----------|---------|------------|-----------------------|--------|------|------------------|
| Seq Number: | 3131791 | Matrix: Drinking Water | | | | Prep Method: E300P | | | |
| Parent Sample Id: | 667045-001 | MS Sample Id: 667045-001 S | | | | Date Prep: 07.15.2020 | | | |
| Parameter | Parent Result | Spike Amount | MS Result | MS %Rec | MSD Result | MSD %Rec | Limits | %RPD | RPD Limit |
| Chloride | 9.23 | 25.0 | 34.8 | 102 | 35.0 | 103 | 90-110 | 1 | 20 |
| | | | | | | | | mg/L | 07.15.2020 10:22 |

Analytical Method: Inorganic Anions by EPA 300/300.1

| | | | | | | | | | |
|-------------------|---------------|----------------------------|-----------|---------|------------|-----------------------|--------|------|------------------|
| Seq Number: | 3131791 | Matrix: Ground Water | | | | Prep Method: E300P | | | |
| Parent Sample Id: | 667140-003 | MS Sample Id: 667140-003 S | | | | Date Prep: 07.15.2020 | | | |
| Parameter | Parent Result | Spike Amount | MS Result | MS %Rec | MSD Result | MSD %Rec | Limits | %RPD | RPD Limit |
| Chloride | 321 | 250 | 576 | 102 | 575 | 102 | 90-110 | 0 | 20 |
| | | | | | | | | mg/L | 07.15.2020 12:49 |

Analytical Method: TDS by SM2540C

| | | | | | | | | | |
|------------------------|---------------|------------------------------|------------|----------|-------------|-----------------------|--------|------|------------------|
| Seq Number: | 3131947 | Matrix: Water | | | | Prep Method: E300P | | | |
| MB Sample Id: | 3131947-1-BLK | LCS Sample Id: 3131947-1-BKS | | | | Date Prep: 07.15.2020 | | | |
| Parameter | MB Result | Spike Amount | LCS Result | LCS %Rec | LCSD Result | LCSD %Rec | Limits | %RPD | RPD Limit |
| Total Dissolved Solids | <5.00 | 1000 | 998 | 100 | 996 | 100 | 80-120 | 0 | 10 |
| | | | | | | | | mg/L | 07.14.2020 17:00 |

Analytical Method: TDS by SM2540C

| | | | | | | | | | |
|------------------------|---------------|----------------------------|--|--|--|-----------------------|--|--|--|
| Seq Number: | 3131947 | Matrix: Ground Water | | | | Prep Method: E300P | | | |
| Parent Sample Id: | 667041-011 | MD Sample Id: 667041-011 D | | | | Date Prep: 07.14.2020 | | | |
| Parameter | Parent Result | MD Result | | | | %RPD | | | |
| Total Dissolved Solids | 2450 | 2460 | | | | RPD Limit | | | |
| | | | | | | Units | | | |
| | | | | | | Analysis Date | | | |
| | | | | | | Flag | | | |

Analytical Method: TDS by SM2540C

| | | | | | | | | | |
|------------------------|---------------|----------------------------|--|--|--|-----------------------|--|--|--|
| Seq Number: | 3131947 | Matrix: Ground Water | | | | Prep Method: E300P | | | |
| Parent Sample Id: | 667139-005 | MD Sample Id: 667139-005 D | | | | Date Prep: 07.14.2020 | | | |
| Parameter | Parent Result | MD Result | | | | %RPD | | | |
| Total Dissolved Solids | 811 | 805 | | | | RPD Limit | | | |
| | | | | | | Units | | | |
| | | | | | | Analysis Date | | | |
| | | | | | | Flag | | | |

MS/MSD Percent Recovery
 Relative Percent Difference
 LCS/LCSD Recovery
 Log Difference

[D] = 100*(C-A) / B
 RPD = 200* | (C-E) / (C+E) |
 [D] = 100 * (C) / [B]
 Log Diff. = Log(Sample Duplicate) - Log(Original Sample)

LCS = Laboratory Control Sample
 A = Parent Result
 C = MS/LCS Result
 E = MSD/LCSD Result

MS = Matrix Spike
 B = Spike Added
 D = MSD/LCSD % Rec

Eurofins Xenco, LLC
Prelogin/Nonconformance Report- Sample Log-In

Client: GHD Services, INC- Midland

Acceptable Temperature Range: 0 - 6 degC

Date/ Time Received: 07.13.2020 04.23.00 PM

Air and Metal samples Acceptable Range: Ambient

Work Order #: 667042

Temperature Measuring device used : IR-8

| 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? | Yes |
| #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)? | N/A |
| #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: AJA

PH Device/Lot#: 10BDH1991

Checklist completed by:

Brianna Teel

Brianna Teel

Date: 07.13.2020

Checklist reviewed by:

Debbie Simmons

Debbie Simmons

Date: 07.14.2020

Certificate of Analysis Summary 667139

GHD Services, INC- Midland, Midland, TX

Project Name: Dollarhide

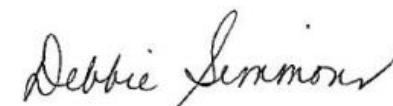
Project Id: 055270
Contact: Nick Casten
Project Location: New Mexico

Date Received in Lab: Tue 07.14.2020 15:08
Report Date: 07.26.2020 14:59
Project Manager: Debbie Simmons

| Analysis Requested | Lab Id: Field Id: Depth: Matrix: Sampled: | 667139-001 NM-MW-7-W-201407 | 667139-002 RRR Ranch Windmill-W- | 667139-003 NM-MW-4-W-201407 | 667139-004 NM-MW-8-W-201407 | 667139-005 NM-MW-3-W-201407 | 667139-006 NM-MW-2-W-201407 |
|--|--|---|---|---|---|---|---|
| Inorganic Anions by EPA 300/300.1 | Extracted: Analyzed: Units/RL: | 07.15.2020 09:40 07.15.2020 13:08 mg/L RL | 07.15.2020 09:40 07.15.2020 13:26 mg/L RL | 07.15.2020 09:40 07.15.2020 13:32 mg/L RL | 07.15.2020 09:40 07.15.2020 13:38 mg/L RL | 07.15.2020 09:40 07.15.2020 13:44 mg/L RL | 07.15.2020 09:40 07.15.2020 13:51 mg/L RL |
| Chloride | | 2360 25.0 | 1930 25.0 | 46.9 2.50 | 6540 50.0 | 261 2.50 | 696 5.00 |
| TDS by SM2540C | Extracted: Analyzed: Units/RL: | 07.14.2020 17:00 07.14.2020 17:00 mg/L RL |
| Total Dissolved Solids | | 5250 5.00 | 4490 5.00 | 419 5.00 | 12400 5.00 | 811 5.00 | 1530 5.00 |

BRL - Below Reporting Limit

Houston - Dallas - Midland - Tampa - Phoenix - Lubbock - San Antonio - El Paso - Atlanta - New Mexico



Certificate of Analysis Summary 667139

GHD Services, INC- Midland, Midland, TX

Project Name: Dollarhide

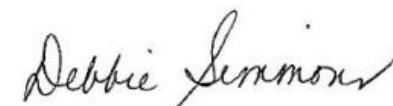
Project Id: 055270
Contact: Nick Casten
Project Location: New Mexico

Date Received in Lab: Tue 07.14.2020 15:08
Report Date: 07.26.2020 14:59
Project Manager: Debbie Simmons

| Analysis Requested | Lab Id: <i>Field Id:</i> <i>Depth:</i> Matrix: Sampled: | 667139-007 NM-MW-1-W-201407 | 667139-008 NM-MW-5-W-201407 | 667139-009 NM-MW-6-W-201407 | 667139-010 58-B-3-MW-W-201407 | 667139-011 MW-29-W-201407 | 667139-012 MW-28-W-201407 |
|--|--|---|---|---|---|---|---|
| Inorganic Anions by EPA 300/300.1 | Extracted: <i>Analyzed:</i> Units/RL: | 07.15.2020 09:40 07.15.2020 13:57 mg/L RL | 07.15.2020 09:40 07.15.2020 14:03 mg/L RL | 07.15.2020 12:10 07.15.2020 15:10 mg/L RL | 07.15.2020 12:10 07.15.2020 15:16 mg/L RL | 07.15.2020 12:10 07.15.2020 15:22 mg/L RL | 07.15.2020 12:10 07.15.2020 15:28 mg/L RL |
| Chloride | | 293 5.00 | 162 5.00 | 152 2.50 | 1640 25.0 | 563 5.00 | 3370 25.0 |
| TDS by SM2540C | Extracted: <i>Analyzed:</i> Units/RL: | 07.14.2020 17:00 mg/L RL |
| Total Dissolved Solids | | 1450 5.00 | 1250 5.00 | 828 5.00 | 3160 5.00 | 1460 5.00 | 6510 5.00 |

BRL - Below Reporting Limit

Houston - Dallas - Midland - Tampa - Phoenix - Lubbock - San Antonio - El Paso - Atlanta - New Mexico



Certificate of Analysis Summary 667139

GHD Services, INC- Midland, Midland, TX

Project Name: Dollarhide

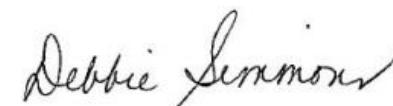
Project Id: 055270
Contact: Nick Casten
Project Location: New Mexico

Date Received in Lab: Tue 07.14.2020 15:08
Report Date: 07.26.2020 14:59
Project Manager: Debbie Simmons

| | | | | | | | |
|--|--|------------------------------------|------------------|--------------------|------------------|------------------|--|
| Analysis Requested | | Lab Id: 667139-013 | 667139-014 | 667139-015 | 667139-016 | 667139-017 | |
| | | Field Id: MW-8-W-201407 | MW-9-W-201407 | 58-B-1-MW-W-201407 | 58-2-MW-W-201407 | DHU-FWS-W-201407 | |
| | | Depth: | | | | | |
| | | Matrix: GROUND WATER | GROUND WATER | GROUND WATER | GROUND WATER | GROUND WATER | |
| | | Sampled: 07.14.2020 12:50 | 07.14.2020 13:00 | 07.14.2020 13:20 | 07.14.2020 13:30 | 07.14.2020 13:40 | |
| Inorganic Anions by EPA 300/300.1 | | Extracted: 07.15.2020 12:10 | 07.15.2020 12:10 | 07.15.2020 09:40 | 07.15.2020 09:40 | 07.15.2020 09:40 | |
| | | Analyzed: 07.15.2020 15:51 | 07.15.2020 15:57 | 07.15.2020 12:12 | 07.15.2020 12:18 | 07.15.2020 12:25 | |
| | | Units/RL: mg/L RL | mg/L RL | mg/L RL | mg/L RL | mg/L RL | |
| Chloride | | 1010 10.0 | 2700 25.0 | 7160 25.0 | 4040 25.0 | 628 25.0 | |
| TDS by SM2540C | | Extracted: | | | | | |
| | | Analyzed: 07.14.2020 17:00 | 07.14.2020 17:00 | 07.15.2020 14:00 | 07.15.2020 14:00 | 07.15.2020 14:00 | |
| | | Units/RL: mg/L RL | mg/L RL | mg/L RL | mg/L RL | mg/L RL | |
| Total Dissolved Solids | | 2460 5.00 | 5070 5.00 | 11400 5.00 | 7190 5.00 | 3120 5.00 | |

BRL - Below Reporting Limit

Houston - Dallas - Midland - Tampa - Phoenix - Lubbock - San Antonio - El Paso - Atlanta - New Mexico



Analytical Report 667139

for

GHD Services, INC- Midland

Project Manager: Nick Casten

Dollarhide

055270

07.26.2020

Collected By: Client



**1211 W. Florida Ave
Midland TX 79701**

Xenco-Houston (EPA Lab Code: TX00122):
Texas (T104704215-20-36), Arizona (AZ0765), Florida (E871002-33), Louisiana (03054)
Oklahoma (2019-058), North Carolina (681), Arkansas (20-035-0)

Xenco-Dallas (EPA Lab Code: TX01468):
Texas (T104704295-20-25), Arizona (AZ0809)

Xenco-El Paso (EPA Lab Code: TX00127): Texas (T104704221-20-17)
Xenco-Lubbock (EPA Lab Code: TX00139): Texas (T104704219-20-22)
Xenco-Midland (EPA Lab Code: TX00158): Texas (T104704400-19-19)
Xenco-Carlsbad (LELAP): Louisiana (05092)
Xenco-San Antonio (EPA Lab Code: TNI02385): Texas (T104704534-20-7)
Xenco Phoenix (EPA Lab Code: AZ00901): Arizona (AZ0757)
Xenco-Tampa: Florida (E87429), North Carolina (483)



07.26.2020

Project Manager: **Nick Casten**

GHD Services, INC- Midland

2135 S Loop 250 W
Midland, TX 79703

Reference: Eurofins Xenco, LLC Report No(s): **667139**

Dollarhide

Project Address: New Mexico

Nick Casten:

We are reporting to you the results of the analyses performed on the samples received under the project name referenced above and identified with the Eurofins Xenco, LLC Report Number(s) 667139. All results being reported under this Report Number apply to the samples analyzed and properly identified with a Laboratory ID number. Subcontracted analyses are identified in this report with either the NELAC certification number of the subcontract lab in the analyst ID field, or the complete subcontracted report attached to this report.

Unless otherwise noted in a Case Narrative, all data reported in this Analytical Report are in compliance with NELAC standards. The uncertainty of measurement associated with the results of analysis reported is available upon request. Should insufficient sample be provided to the laboratory to meet the method and NELAC Matrix Duplicate and Matrix Spike requirements, then the data will be analyzed, evaluated and reported using all other available quality control measures.

The validity and integrity of this report will remain intact as long as it is accompanied by this letter and reproduced in full, unless written approval is granted by Eurofins Xenco, LLC. This report will be filed for at least 5 years in our archives after which time it will be destroyed without further notice, unless otherwise arranged with you. The samples received, and described as recorded in Report No. 667139 will be filed for 45 days, and after that time they will be properly disposed without further notice, unless otherwise arranged with you. We reserve the right to return to you any unused samples, extracts or solutions related to them if we consider so necessary (e.g., samples identified as hazardous waste, sample sizes exceeding analytical standard practices, controlled substances under regulated protocols, etc).

We thank you for selecting Eurofins Xenco, LLC to serve your analytical needs. If you have any questions concerning this report, please feel free to contact us at any time.

Respectfully,

A handwritten signature in black ink that reads "Debbie Simmons".

Debbie Simmons

Project Manager

A Small Business and Minority Company

Houston - Dallas - Midland - Tampa - Phoenix - Lubbock - San Antonio - El Paso - Atlanta - New Mexico

Sample Cross Reference 667139

GHD Services, INC- Midland, Midland, TX

Dollarhide

| Sample Id | Matrix | Date Collected | Sample Depth | Lab Sample Id |
|-----------------------------|--------|------------------|--------------|---------------|
| NM-MW-7-W-201407 | W | 07.14.2020 10:00 | | 667139-001 |
| RRR Ranch Windmill-W-201407 | W | 07.14.2020 10:10 | | 667139-002 |
| NM-MW-4-W-201407 | W | 07.14.2020 10:20 | | 667139-003 |
| NM-MW-8-W-201407 | W | 07.14.2020 10:30 | | 667139-004 |
| NM-MW-3-W-201407 | W | 07.14.2020 10:40 | | 667139-005 |
| NM-MW-2-W-201407 | W | 07.14.2020 10:50 | | 667139-006 |
| NM-MW-1-W-201407 | W | 07.14.2020 11:00 | | 667139-007 |
| NM-MW-5-W-201407 | W | 07.14.2020 11:10 | | 667139-008 |
| NM-MW-6-W-201407 | W | 07.14.2020 11:20 | | 667139-009 |
| 58-B-3-MW-W-201407 | W | 07.14.2020 11:30 | | 667139-010 |
| MW-29-W-201407 | W | 07.14.2020 12:30 | | 667139-011 |
| MW-28-W-201407 | W | 07.14.2020 12:40 | | 667139-012 |
| MW-8-W-201407 | W | 07.14.2020 12:50 | | 667139-013 |
| MW-9-W-201407 | W | 07.14.2020 13:00 | | 667139-014 |
| 58-B-1-MW-W-201407 | W | 07.14.2020 13:20 | | 667139-015 |
| 58-2-MW-W-201407 | W | 07.14.2020 13:30 | | 667139-016 |
| DHU-FWS-W-201407 | W | 07.14.2020 13:40 | | 667139-017 |



CASE NARRATIVE

Client Name: GHD Services, INC- Midland
Project Name: Dollarhide

Project ID: 055270
Work Order Number(s): 667139

Report Date: 07.26.2020
Date Received: 07.14.2020

Sample receipt non conformances and comments:

Sample receipt non conformances and comments per sample:

None

Certificate of Analytical Results 667139

GHD Services, INC- Midland, Midland, TX

Dollarhide

Sample Id: **NM-MW-7-W-201407** Matrix: Ground Water Date Received:07.14.2020 15:08
 Lab Sample Id: 667139-001 Date Collected: 07.14.2020 10:00

Analytical Method: Inorganic Anions by EPA 300/300.1 Prep Method: E300P

Tech: CHE % Moisture:

Analyst: CHE Date Prep: 07.15.2020 09:40

Seq Number: 3131791

| Parameter | Cas Number | Result | RL | MDL | Units | Analysis Date | Flag | Dil |
|-----------|------------|-------------|------|------|-------|------------------|------|-----|
| Chloride | 16887-00-6 | 2360 | 25.0 | 1.05 | mg/L | 07.15.2020 13:08 | | 50 |

Analytical Method: TDS by SM2540C

Tech: SPC % Moisture:

Analyst: SPC

Seq Number: 3131947

| Parameter | Cas Number | Result | RL | MDL | Units | Analysis Date | Flag | Dil |
|------------------------|------------|-------------|------|------|-------|------------------|------|-----|
| Total Dissolved Solids | 1642222 | 5250 | 5.00 | 5.00 | mg/L | 07.14.2020 17:00 | | 1 |

Certificate of Analytical Results 667139

GHD Services, INC- Midland, Midland, TX

Dollarhide

Sample Id: **RRR Ranch Windmill-W-201407** Matrix: Ground Water Date Received:07.14.2020 15:08
 Lab Sample Id: 667139-002 Date Collected: 07.14.2020 10:10

Analytical Method: Inorganic Anions by EPA 300/300.1 Prep Method: E300P

Tech: CHE % Moisture:

Analyst: CHE Date Prep: 07.15.2020 09:40

Seq Number: 3131791

| Parameter | Cas Number | Result | RL | MDL | Units | Analysis Date | Flag | Dil |
|-----------|------------|--------|------|------|-------|------------------|------|-----|
| Chloride | 16887-00-6 | 1930 | 25.0 | 1.05 | mg/L | 07.15.2020 13:26 | | 50 |

Analytical Method: TDS by SM2540C

Tech: SPC % Moisture:

Analyst: SPC

Seq Number: 3131947

| Parameter | Cas Number | Result | RL | MDL | Units | Analysis Date | Flag | Dil |
|------------------------|------------|--------|------|------|-------|------------------|------|-----|
| Total Dissolved Solids | 1642222 | 4490 | 5.00 | 5.00 | mg/L | 07.14.2020 17:00 | | 1 |

Certificate of Analytical Results 667139

GHD Services, INC- Midland, Midland, TX

Dollarhide

Sample Id: **NM-MW-4-W-201407** Matrix: Ground Water Date Received:07.14.2020 15:08
 Lab Sample Id: 667139-003 Date Collected: 07.14.2020 10:20

Analytical Method: Inorganic Anions by EPA 300/300.1 Prep Method: E300P

Tech: CHE % Moisture:

Analyst: CHE Date Prep: 07.15.2020 09:40

Seq Number: 3131791

| Parameter | Cas Number | Result | RL | MDL | Units | Analysis Date | Flag | Dil |
|-----------|------------|-------------|------|-------|-------|------------------|------|-----|
| Chloride | 16887-00-6 | 46.9 | 2.50 | 0.105 | mg/L | 07.15.2020 13:32 | | 5 |

Analytical Method: TDS by SM2540C

Tech: SPC % Moisture:

Analyst: SPC

Seq Number: 3131947

| Parameter | Cas Number | Result | RL | MDL | Units | Analysis Date | Flag | Dil |
|------------------------|------------|------------|------|------|-------|------------------|------|-----|
| Total Dissolved Solids | 1642222 | 419 | 5.00 | 5.00 | mg/L | 07.14.2020 17:00 | | 1 |

Certificate of Analytical Results 667139

GHD Services, INC- Midland, Midland, TX

Dollarhide

Sample Id: **NM-MW-8-W-201407** Matrix: Ground Water Date Received:07.14.2020 15:08
 Lab Sample Id: 667139-004 Date Collected: 07.14.2020 10:30

Analytical Method: Inorganic Anions by EPA 300/300.1 Prep Method: E300P

Tech: CHE % Moisture:

Analyst: CHE

Date Prep: 07.15.2020 09:40

Seq Number: 3131791

| Parameter | Cas Number | Result | RL | MDL | Units | Analysis Date | Flag | Dil |
|-----------|------------|-------------|------|------|-------|------------------|------|-----|
| Chloride | 16887-00-6 | 6540 | 50.0 | 2.10 | mg/L | 07.15.2020 13:38 | | 100 |

Analytical Method: TDS by SM2540C

Tech: SPC % Moisture:

Analyst: SPC

Seq Number: 3131947

| Parameter | Cas Number | Result | RL | MDL | Units | Analysis Date | Flag | Dil |
|------------------------|------------|--------------|------|------|-------|------------------|------|-----|
| Total Dissolved Solids | 1642222 | 12400 | 5.00 | 5.00 | mg/L | 07.14.2020 17:00 | | 1 |

Certificate of Analytical Results 667139

GHD Services, INC- Midland, Midland, TX

Dollarhide

Sample Id: **NM-MW-3-W-201407** Matrix: Ground Water Date Received:07.14.2020 15:08
 Lab Sample Id: 667139-005 Date Collected: 07.14.2020 10:40

Analytical Method: Inorganic Anions by EPA 300/300.1 Prep Method: E300P

Tech: CHE % Moisture:

Analyst: CHE Date Prep: 07.15.2020 09:40

Seq Number: 3131791

| Parameter | Cas Number | Result | RL | MDL | Units | Analysis Date | Flag | Dil |
|-----------|------------|--------|------|-------|-------|------------------|------|-----|
| Chloride | 16887-00-6 | 261 | 2.50 | 0.105 | mg/L | 07.15.2020 13:44 | | 5 |

Analytical Method: TDS by SM2540C

Tech: SPC % Moisture:

Analyst: SPC

Seq Number: 3131947

| Parameter | Cas Number | Result | RL | MDL | Units | Analysis Date | Flag | Dil |
|------------------------|------------|--------|------|------|-------|------------------|------|-----|
| Total Dissolved Solids | 1642222 | 811 | 5.00 | 5.00 | mg/L | 07.14.2020 17:00 | | 1 |

Certificate of Analytical Results 667139

GHD Services, INC- Midland, Midland, TX

Dollarhide

Sample Id: **NM-MW-2-W-201407** Matrix: Ground Water Date Received:07.14.2020 15:08
 Lab Sample Id: 667139-006 Date Collected: 07.14.2020 10:50

Analytical Method: Inorganic Anions by EPA 300/300.1 Prep Method: E300P

Tech: CHE % Moisture:

Analyst: CHE Date Prep: 07.15.2020 09:40

Seq Number: 3131791

| Parameter | Cas Number | Result | RL | MDL | Units | Analysis Date | Flag | Dil |
|-----------|------------|------------|------|-------|-------|------------------|------|-----|
| Chloride | 16887-00-6 | 696 | 5.00 | 0.210 | mg/L | 07.15.2020 13:51 | | 10 |

Analytical Method: TDS by SM2540C

Tech: SPC % Moisture:

Analyst: SPC

Seq Number: 3131947

| Parameter | Cas Number | Result | RL | MDL | Units | Analysis Date | Flag | Dil |
|------------------------|------------|-------------|------|------|-------|------------------|------|-----|
| Total Dissolved Solids | 1642222 | 1530 | 5.00 | 5.00 | mg/L | 07.14.2020 17:00 | | 1 |

Certificate of Analytical Results 667139

GHD Services, INC- Midland, Midland, TX

Dollarhide

Sample Id: **NM-MW-1-W-201407**

Matrix: Ground Water

Date Received:07.14.2020 15:08

Lab Sample Id: 667139-007

Date Collected: 07.14.2020 11:00

Analytical Method: Inorganic Anions by EPA 300/300.1

Prep Method: E300P

Tech: CHE

% Moisture:

Analyst: CHE

Date Prep: 07.15.2020 09:40

Seq Number: 3131791

| Parameter | Cas Number | Result | RL | MDL | Units | Analysis Date | Flag | Dil |
|-----------|------------|--------|------|-------|-------|------------------|------|-----|
| Chloride | 16887-00-6 | 293 | 5.00 | 0.210 | mg/L | 07.15.2020 13:57 | | 10 |

Analytical Method: TDS by SM2540C

% Moisture:

Tech: SPC

Analyst: SPC

Seq Number: 3131947

| Parameter | Cas Number | Result | RL | MDL | Units | Analysis Date | Flag | Dil |
|------------------------|------------|--------|------|------|-------|------------------|------|-----|
| Total Dissolved Solids | 1642222 | 1450 | 5.00 | 5.00 | mg/L | 07.14.2020 17:00 | | 1 |

Certificate of Analytical Results 667139

GHD Services, INC- Midland, Midland, TX

Dollarhide

Sample Id: **NM-MW-5-W-201407** Matrix: Ground Water Date Received:07.14.2020 15:08
 Lab Sample Id: 667139-008 Date Collected: 07.14.2020 11:10

Analytical Method: Inorganic Anions by EPA 300/300.1 Prep Method: E300P

Tech: CHE % Moisture:

Analyst: CHE Date Prep: 07.15.2020 09:40

Seq Number: 3131791

| Parameter | Cas Number | Result | RL | MDL | Units | Analysis Date | Flag | Dil |
|-----------|------------|--------|------|-------|-------|------------------|------|-----|
| Chloride | 16887-00-6 | 162 | 5.00 | 0.210 | mg/L | 07.15.2020 14:03 | | 10 |

Analytical Method: TDS by SM2540C

Tech: SPC % Moisture:

Analyst: SPC

Seq Number: 3131947

| Parameter | Cas Number | Result | RL | MDL | Units | Analysis Date | Flag | Dil |
|------------------------|------------|--------|------|------|-------|------------------|------|-----|
| Total Dissolved Solids | 1642222 | 1250 | 5.00 | 5.00 | mg/L | 07.14.2020 17:00 | | 1 |

Certificate of Analytical Results 667139

GHD Services, INC- Midland, Midland, TX

Dollarhide

Sample Id: **NM-MW-6-W-201407**

Matrix: Ground Water

Date Received:07.14.2020 15:08

Lab Sample Id: 667139-009

Date Collected:07.14.2020 11:20

Analytical Method: Inorganic Anions by EPA 300/300.1

Prep Method: E300P

Tech: CHE

% Moisture:

Analyst: CHE

Date Prep: 07.15.2020 12:10

Seq Number: 3131797

| Parameter | Cas Number | Result | RL | MDL | Units | Analysis Date | Flag | Dil |
|-----------|------------|--------|------|-------|-------|------------------|------|-----|
| Chloride | 16887-00-6 | 152 | 2.50 | 0.105 | mg/L | 07.15.2020 15:10 | | 5 |

Analytical Method: TDS by SM2540C

Tech: SPC

% Moisture:

Analyst: SPC

Seq Number: 3131947

| Parameter | Cas Number | Result | RL | MDL | Units | Analysis Date | Flag | Dil |
|------------------------|------------|--------|------|------|-------|------------------|------|-----|
| Total Dissolved Solids | 1642222 | 828 | 5.00 | 5.00 | mg/L | 07.14.2020 17:00 | | 1 |

Certificate of Analytical Results 667139

GHD Services, INC- Midland, Midland, TX

Dollarhide

Sample Id: **58-B-3-MW-W-201407** Matrix: Ground Water Date Received:07.14.2020 15:08
 Lab Sample Id: 667139-010 Date Collected: 07.14.2020 11:30

Analytical Method: Inorganic Anions by EPA 300/300.1 Prep Method: E300P

Tech: CHE % Moisture:

Analyst: CHE Date Prep: 07.15.2020 12:10

Seq Number: 3131797

| Parameter | Cas Number | Result | RL | MDL | Units | Analysis Date | Flag | Dil |
|-----------|------------|--------|------|------|-------|------------------|------|-----|
| Chloride | 16887-00-6 | 1640 | 25.0 | 1.05 | mg/L | 07.15.2020 15:16 | | 50 |

Analytical Method: TDS by SM2540C

Tech: SPC % Moisture:

Analyst: SPC

Seq Number: 3131947

| Parameter | Cas Number | Result | RL | MDL | Units | Analysis Date | Flag | Dil |
|------------------------|------------|--------|------|------|-------|------------------|------|-----|
| Total Dissolved Solids | 1642222 | 3160 | 5.00 | 5.00 | mg/L | 07.14.2020 17:00 | | 1 |

Certificate of Analytical Results 667139

GHD Services, INC- Midland, Midland, TX

Dollarhide

Sample Id: **MW-29-W-201407** Matrix: Ground Water Date Received:07.14.2020 15:08
 Lab Sample Id: 667139-011 Date Collected: 07.14.2020 12:30

Analytical Method: Inorganic Anions by EPA 300/300.1 Prep Method: E300P

Tech: CHE % Moisture:

Analyst: CHE Date Prep: 07.15.2020 12:10

Seq Number: 3131797

| Parameter | Cas Number | Result | RL | MDL | Units | Analysis Date | Flag | Dil |
|-----------|------------|------------|------|-------|-------|------------------|------|-----|
| Chloride | 16887-00-6 | 563 | 5.00 | 0.210 | mg/L | 07.15.2020 15:22 | | 10 |

Analytical Method: TDS by SM2540C

Tech: SPC % Moisture:

Analyst: SPC

Seq Number: 3131947

| Parameter | Cas Number | Result | RL | MDL | Units | Analysis Date | Flag | Dil |
|------------------------|------------|-------------|------|------|-------|------------------|------|-----|
| Total Dissolved Solids | 1642222 | 1460 | 5.00 | 5.00 | mg/L | 07.14.2020 17:00 | | 1 |

Certificate of Analytical Results 667139

GHD Services, INC- Midland, Midland, TX

Dollarhide

Sample Id: **MW-28-W-201407** Matrix: Ground Water Date Received:07.14.2020 15:08
 Lab Sample Id: 667139-012 Date Collected: 07.14.2020 12:40

Analytical Method: Inorganic Anions by EPA 300/300.1 Prep Method: E300P

Tech: CHE % Moisture:

Analyst: CHE Date Prep: 07.15.2020 12:10

Seq Number: 3131797

| Parameter | Cas Number | Result | RL | MDL | Units | Analysis Date | Flag | Dil |
|-----------|------------|-------------|------|------|-------|------------------|------|-----|
| Chloride | 16887-00-6 | 3370 | 25.0 | 1.05 | mg/L | 07.15.2020 15:28 | | 50 |

Analytical Method: TDS by SM2540C

Tech: SPC % Moisture:

Analyst: SPC

Seq Number: 3131947

| Parameter | Cas Number | Result | RL | MDL | Units | Analysis Date | Flag | Dil |
|------------------------|------------|-------------|------|------|-------|------------------|------|-----|
| Total Dissolved Solids | 1642222 | 6510 | 5.00 | 5.00 | mg/L | 07.14.2020 17:00 | | 1 |

Certificate of Analytical Results 667139

GHD Services, INC- Midland, Midland, TX

Dollarhide

Sample Id: **MW-8-W-201407** Matrix: Ground Water Date Received:07.14.2020 15:08
 Lab Sample Id: 667139-013 Date Collected: 07.14.2020 12:50

Analytical Method: Inorganic Anions by EPA 300/300.1 Prep Method: E300P

Tech: CHE % Moisture:

Analyst: CHE Date Prep: 07.15.2020 12:10

Seq Number: 3131797

| Parameter | Cas Number | Result | RL | MDL | Units | Analysis Date | Flag | Dil |
|-----------|------------|--------|------|-------|-------|------------------|------|-----|
| Chloride | 16887-00-6 | 1010 | 10.0 | 0.421 | mg/L | 07.15.2020 15:51 | | 20 |

Analytical Method: TDS by SM2540C

Tech: SPC % Moisture:

Analyst: SPC

Seq Number: 3131947

| Parameter | Cas Number | Result | RL | MDL | Units | Analysis Date | Flag | Dil |
|------------------------|------------|--------|------|------|-------|------------------|------|-----|
| Total Dissolved Solids | 1642222 | 2460 | 5.00 | 5.00 | mg/L | 07.14.2020 17:00 | | 1 |

Certificate of Analytical Results 667139

GHD Services, INC- Midland, Midland, TX

Dollarhide

Sample Id: **MW-9-W-201407** Matrix: Ground Water Date Received:07.14.2020 15:08
 Lab Sample Id: 667139-014 Date Collected: 07.14.2020 13:00

Analytical Method: Inorganic Anions by EPA 300/300.1 Prep Method: E300P

Tech: CHE % Moisture:

Analyst: CHE Date Prep: 07.15.2020 12:10

Seq Number: 3131797

| Parameter | Cas Number | Result | RL | MDL | Units | Analysis Date | Flag | Dil |
|-----------|------------|--------|------|------|-------|------------------|------|-----|
| Chloride | 16887-00-6 | 2700 | 25.0 | 1.05 | mg/L | 07.15.2020 15:57 | | 50 |

Analytical Method: TDS by SM2540C

Tech: SPC % Moisture:

Analyst: SPC

Seq Number: 3131947

| Parameter | Cas Number | Result | RL | MDL | Units | Analysis Date | Flag | Dil |
|------------------------|------------|--------|------|------|-------|------------------|------|-----|
| Total Dissolved Solids | 1642222 | 5070 | 5.00 | 5.00 | mg/L | 07.14.2020 17:00 | | 1 |

Certificate of Analytical Results 667139

GHD Services, INC- Midland, Midland, TX

Dollarhide

Sample Id: **58-B-1-MW-W-201407** Matrix: Ground Water Date Received:07.14.2020 15:08
 Lab Sample Id: 667139-015 Date Collected: 07.14.2020 13:20

Analytical Method: Inorganic Anions by EPA 300/300.1 Prep Method: E300P

Tech: CHE % Moisture:

Analyst: CHE Date Prep: 07.15.2020 09:40

Seq Number: 3131791

| Parameter | Cas Number | Result | RL | MDL | Units | Analysis Date | Flag | Dil |
|-----------|------------|-------------|------|------|-------|------------------|------|-----|
| Chloride | 16887-00-6 | 7160 | 25.0 | 1.05 | mg/L | 07.15.2020 12:12 | | 50 |

Analytical Method: TDS by SM2540C

Tech: SPC % Moisture:

Analyst: SPC

Seq Number: 3131948

| Parameter | Cas Number | Result | RL | MDL | Units | Analysis Date | Flag | Dil |
|------------------------|------------|--------------|------|------|-------|------------------|------|-----|
| Total Dissolved Solids | 1642222 | 11400 | 5.00 | 5.00 | mg/L | 07.15.2020 14:00 | | 1 |

Certificate of Analytical Results 667139

GHD Services, INC- Midland, Midland, TX

Dollarhide

Sample Id: **58-2-MW-W-201407** Matrix: Ground Water Date Received:07.14.2020 15:08
 Lab Sample Id: 667139-016 Date Collected: 07.14.2020 13:30

Analytical Method: Inorganic Anions by EPA 300/300.1 Prep Method: E300P

Tech: CHE % Moisture:

Analyst: CHE Date Prep: 07.15.2020 09:40

Seq Number: 3131791

| Parameter | Cas Number | Result | RL | MDL | Units | Analysis Date | Flag | Dil |
|-----------|------------|-------------|------|------|-------|------------------|------|-----|
| Chloride | 16887-00-6 | 4040 | 25.0 | 1.05 | mg/L | 07.15.2020 12:18 | | 50 |

Analytical Method: TDS by SM2540C

Tech: SPC % Moisture:

Analyst: SPC

Seq Number: 3131948

| Parameter | Cas Number | Result | RL | MDL | Units | Analysis Date | Flag | Dil |
|------------------------|------------|-------------|------|------|-------|------------------|------|-----|
| Total Dissolved Solids | 1642222 | 7190 | 5.00 | 5.00 | mg/L | 07.15.2020 14:00 | | 1 |

Certificate of Analytical Results 667139

GHD Services, INC- Midland, Midland, TX

Dollarhide

Sample Id: **DHU-FWS-W-201407** Matrix: Ground Water Date Received:07.14.2020 15:08
 Lab Sample Id: 667139-017 Date Collected: 07.14.2020 13:40

Analytical Method: Inorganic Anions by EPA 300/300.1 Prep Method: E300P

Tech: CHE % Moisture:

Analyst: CHE Date Prep: 07.15.2020 09:40

Seq Number: 3131791

| Parameter | Cas Number | Result | RL | MDL | Units | Analysis Date | Flag | Dil |
|-----------|------------|--------|------|------|-------|------------------|------|-----|
| Chloride | 16887-00-6 | 628 | 25.0 | 1.05 | mg/L | 07.15.2020 12:25 | | 50 |

Analytical Method: TDS by SM2540C

Tech: SPC % Moisture:

Analyst: SPC

Seq Number: 3131948

| Parameter | Cas Number | Result | RL | MDL | Units | Analysis Date | Flag | Dil |
|------------------------|------------|--------|------|------|-------|------------------|------|-----|
| Total Dissolved Solids | 1642222 | 3120 | 5.00 | 5.00 | mg/L | 07.15.2020 14:00 | | 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. **ND** Not Detected.

RL Reporting Limit

MDL Method Detection Limit **SDL** Sample Detection Limit **LOD** Limit of Detection

PQL Practical Quantitation Limit **MQL** Method Quantitation Limit **LOQ** Limit of Quantitation

DL Method Detection Limit

NC Non-Calculable

SMP Client Sample **BLK** Method Blank

BKS/LCS Blank Spike/Laboratory Control Sample **BKSD/LCSD** Blank Spike Duplicate/Laboratory Control Sample Duplicate

MD/SD Method Duplicate/Sample Duplicate **MS** Matrix Spike **MSD:** Matrix Spike Duplicate

+ NELAC certification not offered for this compound.

* (Next to analyte name or method description) = Outside XENCO's scope of NELAC accreditation



GHD Services, INC- Midland

Dollarhide

Analytical Method: Inorganic Anions by EPA 300/300.1

| | | | | | | | | | |
|------------------|------------------|------------------------------|-------------------|-----------------|--------------------|-----------------------|---------------|-------------|------------------|
| Seq Number: | 3131791 | Matrix: Water | | | | Prep Method: E300P | | | |
| MB Sample Id: | 7707378-1-BLK | LCS Sample Id: 7707378-1-BKS | | | | Date Prep: 07.15.2020 | | | |
| Parameter | MB Result | Spike Amount | LCS Result | LCS %Rec | LCSD Result | LCSD %Rec | Limits | %RPD | RPD Limit |
| Chloride | <0.0210 | 25.0 | 25.9 | 104 | 26.0 | 104 | 90-110 | 0 | 20 |
| | | | | | | | | mg/L | 07.15.2020 09:56 |

Analytical Method: Inorganic Anions by EPA 300/300.1

| | | | | | | | | | |
|------------------|------------------|------------------------------|-------------------|-----------------|--------------------|-----------------------|---------------|-------------|------------------|
| Seq Number: | 3131797 | Matrix: Water | | | | Prep Method: E300P | | | |
| MB Sample Id: | 7707379-1-BLK | LCS Sample Id: 7707379-1-BKS | | | | Date Prep: 07.15.2020 | | | |
| Parameter | MB Result | Spike Amount | LCS Result | LCS %Rec | LCSD Result | LCSD %Rec | Limits | %RPD | RPD Limit |
| Chloride | <0.0210 | 25.0 | 26.8 | 107 | 26.9 | 108 | 90-110 | 0 | 20 |
| | | | | | | | | mg/L | 07.15.2020 14:29 |

Analytical Method: Inorganic Anions by EPA 300/300.1

| | | | | | | | | | |
|-------------------|----------------------|----------------------------|------------------|----------------|-------------------|-----------------------|---------------|-------------|------------------|
| Seq Number: | 3131791 | Matrix: Drinking Water | | | | Prep Method: E300P | | | |
| Parent Sample Id: | 667045-001 | MS Sample Id: 667045-001 S | | | | Date Prep: 07.15.2020 | | | |
| Parameter | Parent Result | Spike Amount | MS Result | MS %Rec | MSD Result | MSD %Rec | Limits | %RPD | RPD Limit |
| Chloride | 9.23 | 25.0 | 34.8 | 102 | 35.0 | 103 | 90-110 | 1 | 20 |
| | | | | | | | | mg/L | 07.15.2020 10:22 |

Analytical Method: Inorganic Anions by EPA 300/300.1

| | | | | | | | | | |
|-------------------|----------------------|----------------------------|------------------|----------------|-------------------|-----------------------|---------------|-------------|------------------|
| Seq Number: | 3131791 | Matrix: Ground Water | | | | Prep Method: E300P | | | |
| Parent Sample Id: | 667140-003 | MS Sample Id: 667140-003 S | | | | Date Prep: 07.15.2020 | | | |
| Parameter | Parent Result | Spike Amount | MS Result | MS %Rec | MSD Result | MSD %Rec | Limits | %RPD | RPD Limit |
| Chloride | 321 | 250 | 576 | 102 | 575 | 102 | 90-110 | 0 | 20 |
| | | | | | | | | mg/L | 07.15.2020 12:49 |

Analytical Method: Inorganic Anions by EPA 300/300.1

| | | | | | | | | | |
|-------------------|----------------------|----------------------------|------------------|----------------|-------------------|-----------------------|---------------|-------------|------------------|
| Seq Number: | 3131797 | Matrix: Drinking Water | | | | Prep Method: E300P | | | |
| Parent Sample Id: | 667142-001 | MS Sample Id: 667142-001 S | | | | Date Prep: 07.15.2020 | | | |
| Parameter | Parent Result | Spike Amount | MS Result | MS %Rec | MSD Result | MSD %Rec | Limits | %RPD | RPD Limit |
| Chloride | 49.7 | 25.0 | 75.2 | 102 | 74.3 | 98 | 90-110 | 1 | 20 |
| | | | | | | | | mg/L | 07.15.2020 14:54 |

Analytical Method: Inorganic Anions by EPA 300/300.1

| | | | | | | | | | |
|-------------------|----------------------|----------------------------|------------------|----------------|-------------------|-----------------------|---------------|-------------|------------------|
| Seq Number: | 3131797 | Matrix: Drinking Water | | | | Prep Method: E300P | | | |
| Parent Sample Id: | 667143-001 | MS Sample Id: 667143-001 S | | | | Date Prep: 07.15.2020 | | | |
| Parameter | Parent Result | Spike Amount | MS Result | MS %Rec | MSD Result | MSD %Rec | Limits | %RPD | RPD Limit |
| Chloride | 21.3 | 25.0 | 48.0 | 107 | 47.8 | 106 | 90-110 | 0 | 20 |
| | | | | | | | | mg/L | 07.15.2020 16:30 |

MS/MSD Percent Recovery
 Relative Percent Difference
 LCS/LCSD Recovery
 Log Difference

[D] = 100*(C-A) / B
 RPD = 200* | (C-E) / (C+E) |
 [D] = 100 * (C) / [B]
 Log Diff. = Log(Sample Duplicate) - Log(Original Sample)

LCS = Laboratory Control Sample
 A = Parent Result
 C = MS/LCS Result
 E = MSD/LCSD Result

MS = Matrix Spike
 B = Spike Added
 D = MSD/LCSD % Rec



GHD Services, INC- Midland

Dollarhide

Analytical Method: TDS by SM2540C

| Seq Number: | 3131947 | Matrix: Water | | | | | | | | | | |
|------------------------|---------------|------------------------------|------------|----------|-------------|-------------------------------|--------|------|-----------|-------|------------------|------|
| MB Sample Id: | 3131947-1-BLK | LCS Sample Id: 3131947-1-BKS | | | | LCSD Sample Id: 3131947-1-BSD | | | | | | |
| Parameter | MB Result | Spike Amount | LCS Result | LCS %Rec | LCSD Result | LCSD %Rec | Limits | %RPD | RPD Limit | Units | Analysis Date | Flag |
| Total Dissolved Solids | <5.00 | 1000 | 998 | 100 | 996 | 100 | 80-120 | 0 | 10 | mg/L | 07.14.2020 17:00 | |

Analytical Method: TDS by SM2540C

| Seq Number: | 3131948 | Matrix: Water | | | | | | | | | | |
|------------------------|---------------|------------------------------|------------|----------|-------------|-------------------------------|--------|------|-----------|-------|------------------|------|
| MB Sample Id: | 3131948-1-BLK | LCS Sample Id: 3131948-1-BKS | | | | LCSD Sample Id: 3131948-1-BSD | | | | | | |
| Parameter | MB Result | Spike Amount | LCS Result | LCS %Rec | LCSD Result | LCSD %Rec | Limits | %RPD | RPD Limit | Units | Analysis Date | Flag |
| Total Dissolved Solids | <5.00 | 1000 | 996 | 100 | 975 | 98 | 80-120 | 2 | 10 | mg/L | 07.15.2020 14:00 | |

Analytical Method: TDS by SM2540C

| Seq Number: | 3131947 | Matrix: Ground Water | | | | | | | | | | |
|------------------------|---------------|----------------------------|--|--|--|------|--|-----------|-------|------------------|------|--|
| Parent Sample Id: | 667041-011 | MD Sample Id: 667041-011 D | | | | | | | | | | |
| Parameter | Parent Result | MD Result | | | | %RPD | | RPD Limit | Units | Analysis Date | Flag | |
| Total Dissolved Solids | 2450 | 2460 | | | | 0 | | 10 | mg/L | 07.14.2020 17:00 | | |

Analytical Method: TDS by SM2540C

| Seq Number: | 3131947 | Matrix: Ground Water | | | | | | | | | | |
|------------------------|---------------|----------------------------|--|--|--|------|--|-----------|-------|------------------|------|--|
| Parent Sample Id: | 667139-005 | MD Sample Id: 667139-005 D | | | | | | | | | | |
| Parameter | Parent Result | MD Result | | | | %RPD | | RPD Limit | Units | Analysis Date | Flag | |
| Total Dissolved Solids | 811 | 805 | | | | 1 | | 10 | mg/L | 07.14.2020 17:00 | | |

Analytical Method: TDS by SM2540C

| Seq Number: | 3131948 | Matrix: Ground Water | | | | | | | | | | |
|------------------------|---------------|----------------------------|--|--|--|------|--|-----------|-------|------------------|------|--|
| Parent Sample Id: | 667139-015 | MD Sample Id: 667139-015 D | | | | | | | | | | |
| Parameter | Parent Result | MD Result | | | | %RPD | | RPD Limit | Units | Analysis Date | Flag | |
| Total Dissolved Solids | 11400 | 11200 | | | | 2 | | 10 | mg/L | 07.15.2020 14:00 | | |

Analytical Method: TDS by SM2540C

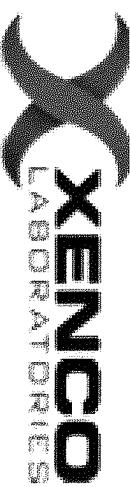
| Seq Number: | 3131948 | Matrix: Water | | | | | | | | | | |
|------------------------|---------------|----------------------------|--|--|--|------|--|-----------|-------|------------------|------|--|
| Parent Sample Id: | 667340-004 | MD Sample Id: 667340-004 D | | | | | | | | | | |
| Parameter | Parent Result | MD Result | | | | %RPD | | RPD Limit | Units | Analysis Date | Flag | |
| Total Dissolved Solids | 9130 | 9300 | | | | 2 | | 10 | mg/L | 07.15.2020 14:00 | | |

MS/MSD Percent Recovery
 Relative Percent Difference
 LCS/LCSD Recovery
 Log Difference

$[D] = 100 * (C-A) / B$
 $RPD = 200 * |(C-E) / (C+E)|$
 $[D] = 100 * (C) / [B]$
 $\text{Log Diff.} = \text{Log}(\text{Sample Duplicate}) - \text{Log}(\text{Original Sample})$

LCS = Laboratory Control Sample
 A = Parent Result
 C = MS/LCS Result
 E = MSD/LCSD Result

MS = Matrix Spike
 B = Spike Added
 D = MSD/LCSD % Rec



Chain of Custody

Work Order No: W007139

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
Phoenix, AZ (480-355-0900) Atlanta, GA (770-449-8800) Tampa, FL (813-620-2000)

www.xenco.com Page 1 of 2

| | | | |
|------------------|----------------------|-------------------------|--|
| Project Manager: | Nick Casten | Bill to: (if different) | Gina Blair: Apinvoices-340@ghd.com |
| Company Name: | GHD | Company Name: | GHD Services Inc. - 340 |
| Address: | 2135 S Loop 250 West | Address: | 2055 Niagara Falls Blvd. |
| City/ State ZIP: | Midland, TX 79703 | City/ State ZIP: | Niagara Falls, NY 14304 |
| Phone: | 225-292-9007 | Email: | Nick.Casten@ghd.com & Christopher.Knight@ghd.com & Brittany.White@ghd.com & edds@ghd.com |

| Project Name: | | Turn Around | | ANALYSIS REQUEST | | | | | | | | | | | | Work Order Notes | |
|-----------------|------------|-------------|-------------------------------------|------------------|--|--|--|--|--|--|--|--|--|--|--|------------------|--|
| Project Number: | 55270 | Routine | <input type="checkbox"/> | | | | | | | | | | | | | | |
| P.O. Number: | <u>LJL</u> | Rush: | <input checked="" type="checkbox"/> | | | | | | | | | | | | | | |
| Sampler's Name: | <u>LJL</u> | Due Date: | | | | | | | | | | | | | | | |

| SAMPLE RECEIPT | Temp Blank: | Yes <input checked="" type="checkbox"/> | Wet Ice: <input checked="" type="checkbox"/> | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> | Number of Containers | | | | | | | | | | | |
|-----------------------|---|---|--|---|-----------------------------|----------------------|--|--|--|--|--|--|--|--|--|--|--|
| | | | | | | Chlorides | | | | | | | | | | | |
| Temperature (°C): | <u>0.0</u> | Thermometer ID <u>118</u> | | | | | | | | | | | | | | | |
| Received Intact: | <input checked="" type="checkbox"/> Yes | <input type="checkbox"/> No | Correction Factor: <u>-0.14</u> | | | | | | | | | | | | | | |
| Cooler Custody Seals: | <input checked="" type="checkbox"/> Yes | <input type="checkbox"/> No | Total Containers: <u>1</u> | | | | | | | | | | | | | | |
| Sample Custody Seals: | <input checked="" type="checkbox"/> Yes | <input type="checkbox"/> No | | | | | | | | | | | | | | | |

| Sample Identification | Matrix | Date Sampled | Time Sampled | Depth | Chlorides | TDS | TAT starts the day received by the lab, if received by 4:30pm | | | | | | | | | | | | Sample Comments |
|----------------------------|--------|--------------|--------------|-------|-----------|-----|---|--|--|--|--|--|--|--|--|--|--|--|-----------------|
| DM-MW-7-201407 | GW | 14:30:40 | 10:00 | | X | X | | | | | | | | | | | | | |
| RD Ranch Windmill-w-201407 | | 10:10 | | | X | X | | | | | | | | | | | | | |
| DM-MW-4-w-201407 | | 10:25 | | | X | X | | | | | | | | | | | | | |
| DM-MW-8-w-201407 | | 10:30 | | | X | X | | | | | | | | | | | | | |
| DM-MW-3-w-201407 | | 10:40 | | | X | X | | | | | | | | | | | | | |
| DM-MW-2-w-201407 | | 10:50 | | | X | X | | | | | | | | | | | | | |
| DM-MW-1-w-201407 | | 11:00 | | | X | X | | | | | | | | | | | | | |
| DM-MW-5-w-201407 | | 11:10 | | | X | X | | | | | | | | | | | | | |
| DM-MW-6-w-201407 | | 11:20 | | | X | X | | | | | | | | | | | | | |
| 58-B 3m w-201407 | | 11:30 | | | X | X | | | | | | | | | | | | | |

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 Ti 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 Ti 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) | <u>1</u> | Received by: (Signature) | <u>2</u> | Relinquished by: (Signature) | <u>3</u> | Received by: (Signature) | <u>4</u> | Relinquished by: (Signature) | <u>5</u> | Received by: (Signature) | <u>6</u> | Date/Time |
|------------------------------|----------|--------------------------|----------|------------------------------|----------|--------------------------|----------|------------------------------|----------|--------------------------|----------|-----------|

Eurofins Xenco, LLC
Prelogin/Nonconformance Report- Sample Log-In

Client: GHD Services, INC- Midland**Acceptable Temperature Range:** 0 - 6 degC**Date/ Time Received:** 07.14.2020 03.08.00 PM**Air and Metal samples Acceptable Range:** Ambient**Work Order #:** 667139**Temperature Measuring device used :** IR-8

| Sample Receipt Checklist | Comments |
|---|----------|
| #1 *Temperature of cooler(s)? | -.4 |
| #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)? | N/A |
| #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: AJA

PH Device/Lot#: 10BDH1991

Checklist completed by:


Brianna Teel

Date: 07.14.2020

Checklist reviewed by:


Debbie Simmons

Date: 07.15.2020

Certificate of Analysis Summary 667140

GHD Services, INC- Midland, Midland, TX

Project Name: Dollarhide

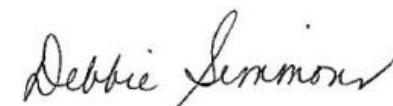
Project Id: 055270
Contact: Nick Casten
Project Location: New Mexico

Date Received in Lab: Tue 07.14.2020 15:08
Report Date: 07.26.2020 15:00
Project Manager: Debbie Simmons

| | | | | | | | | | | | | | | | | | | | | | | |
|--|--|---------------------------------------|--------------------------------------|---------------------------------|---------------------------------------|--------------------------------------|------------------------------|---------------------------------------|--------------------------------------|--------------------------------|---------------------------------------|--------------------------------------|-------------------------------------|---------------------------------------|--------------------------------------|-------------------------------------|---------------------------------------|--------------------------------------|----------------------------------|---------------------------------------|--------------------------------------|-----------------------------|
| Analysis Requested | | Lab Id: 667140-001 | Field Id: MW-34-W-201407 | Depth: MW-33-W-201407 | Matrix: GROUND WATER | Sampled: 07.14.2020 11:40 | Lab Id: 667140-002 | Field Id: MW-32-W-201407 | Depth: MW-32-WD-201407 | Matrix: GROUND WATER | Sampled: 07.14.2020 11:50 | Lab Id: 667140-003 | Field Id: MW-32-WD-201407 | Depth: MW-32-WD-201407 | Matrix: GROUND WATER | Sampled: 07.14.2020 12:00 | Lab Id: 667140-004 | Field Id: MW-32-WD-201407 | Depth: MW-32-WD-201407 | Matrix: GROUND WATER | Sampled: 07.14.2020 12:00 | |
| Inorganic Anions by EPA 300/300.1 | | Extracted: 07.15.2020 09:40 | Analyzed: 07.15.2020 12:31 | Units/RL: mg/L RL | Extracted: 07.15.2020 09:40 | Analyzed: 07.15.2020 12:37 | Units/RL: mg/L RL | Extracted: 07.15.2020 09:40 | Analyzed: 07.15.2020 12:43 | Units/RL: mg/L RL | Extracted: 07.15.2020 09:40 | Analyzed: 07.15.2020 13:01 | Units/RL: mg/L RL | Extracted: 07.15.2020 09:40 | Analyzed: 07.15.2020 13:01 | Units/RL: mg/L RL | Extracted: 07.15.2020 09:40 | Analyzed: 07.15.2020 13:01 | Units/RL: mg/L RL | Extracted: 07.15.2020 09:40 | Analyzed: 07.15.2020 13:01 | Units/RL: mg/L RL |
| Chloride | | 71.3 | 2.50 | | 196 | 5.00 | | 321 | 5.00 | | 302 | 5.00 | | | | | | | | | | |
| TDS by SM2540C | | Extracted: 07.15.2020 14:00 | Analyzed: 07.15.2020 14:00 | Units/RL: mg/L RL | Extracted: 07.15.2020 14:00 | Analyzed: 07.15.2020 14:00 | Units/RL: mg/L RL | Extracted: 07.15.2020 14:00 | Analyzed: 07.15.2020 14:00 | Units/RL: mg/L RL | Extracted: 07.15.2020 14:00 | Analyzed: 07.15.2020 14:00 | Units/RL: mg/L RL | Extracted: 07.15.2020 14:00 | Analyzed: 07.15.2020 14:00 | Units/RL: mg/L RL | Extracted: 07.15.2020 14:00 | Analyzed: 07.15.2020 14:00 | Units/RL: mg/L RL | Extracted: 07.15.2020 14:00 | Analyzed: 07.15.2020 14:00 | Units/RL: mg/L RL |
| Total Dissolved Solids | | 613 | 5.00 | | 1060 | 5.00 | | 1140 | 5.00 | | 1020 | 5.00 | | | | | | | | | | |

BRL - Below Reporting Limit

Houston - Dallas - Midland - Tampa - Phoenix - Lubbock - San Antonio - El Paso - Atlanta - New Mexico



Analytical Report 667140

for

GHD Services, INC- Midland

Project Manager: Nick Casten

Dollarhide

055270

07.26.2020

Collected By: Client



**1211 W. Florida Ave
Midland TX 79701**

Xenco-Houston (EPA Lab Code: TX00122):
Texas (T104704215-20-36), Arizona (AZ0765), Florida (E871002-33), Louisiana (03054)
Oklahoma (2019-058), North Carolina (681), Arkansas (20-035-0)

Xenco-Dallas (EPA Lab Code: TX01468):
Texas (T104704295-20-25), Arizona (AZ0809)

Xenco-El Paso (EPA Lab Code: TX00127): Texas (T104704221-20-17)
Xenco-Lubbock (EPA Lab Code: TX00139): Texas (T104704219-20-22)
Xenco-Midland (EPA Lab Code: TX00158): Texas (T104704400-19-19)
Xenco-Carlsbad (LELAP): Louisiana (05092)
Xenco-San Antonio (EPA Lab Code: TNI02385): Texas (T104704534-20-7)
Xenco Phoenix (EPA Lab Code: AZ00901): Arizona (AZ0757)
Xenco-Tampa: Florida (E87429), North Carolina (483)



07.26.2020

Project Manager: **Nick Casten**

GHD Services, INC- Midland

2135 S Loop 250 W
Midland, TX 79703

Reference: Eurofins Xenco, LLC Report No(s): **667140**

Dollarhide

Project Address: New Mexico

Nick Casten:

We are reporting to you the results of the analyses performed on the samples received under the project name referenced above and identified with the Eurofins Xenco, LLC Report Number(s) 667140. All results being reported under this Report Number apply to the samples analyzed and properly identified with a Laboratory ID number. Subcontracted analyses are identified in this report with either the NELAC certification number of the subcontract lab in the analyst ID field, or the complete subcontracted report attached to this report.

Unless otherwise noted in a Case Narrative, all data reported in this Analytical Report are in compliance with NELAC standards. The uncertainty of measurement associated with the results of analysis reported is available upon request. Should insufficient sample be provided to the laboratory to meet the method and NELAC Matrix Duplicate and Matrix Spike requirements, then the data will be analyzed, evaluated and reported using all other available quality control measures.

The validity and integrity of this report will remain intact as long as it is accompanied by this letter and reproduced in full, unless written approval is granted by Eurofins Xenco, LLC. This report will be filed for at least 5 years in our archives after which time it will be destroyed without further notice, unless otherwise arranged with you. The samples received, and described as recorded in Report No. 667140 will be filed for 45 days, and after that time they will be properly disposed without further notice, unless otherwise arranged with you. We reserve the right to return to you any unused samples, extracts or solutions related to them if we consider so necessary (e.g., samples identified as hazardous waste, sample sizes exceeding analytical standard practices, controlled substances under regulated protocols, etc).

We thank you for selecting Eurofins Xenco, LLC to serve your analytical needs. If you have any questions concerning this report, please feel free to contact us at any time.

Respectfully,

A handwritten signature in black ink that reads "Debbie Simmons".

Debbie Simmons

Project Manager

A Small Business and Minority Company

Houston - Dallas - Midland - Tampa - Phoenix - Lubbock - San Antonio - El Paso - Atlanta - New Mexico

**Sample Cross Reference 667140****GHD Services, INC- Midland, Midland, TX**

Dollarhide

| Sample Id | Matrix | Date Collected | Sample Depth | Lab Sample Id |
|-----------------|--------|------------------|--------------|---------------|
| MW-34-W-201407 | W | 07.14.2020 11:40 | | 667140-001 |
| MW-33-W-201407 | W | 07.14.2020 11:50 | | 667140-002 |
| MW-32-W-201407 | W | 07.14.2020 12:00 | | 667140-003 |
| MW-32-WD-201407 | W | 07.14.2020 12:00 | | 667140-004 |



CASE NARRATIVE

Client Name: GHD Services, INC- Midland
Project Name: Dollarhide

Project ID: 055270
Work Order Number(s): 667140

Report Date: 07.26.2020
Date Received: 07.14.2020

Sample receipt non conformances and comments:

Sample receipt non conformances and comments per sample:

None

Certificate of Analytical Results 667140

GHD Services, INC- Midland, Midland, TX

Dollarhide

Sample Id: **MW-34-W-201407** Matrix: Ground Water Date Received:07.14.2020 15:08
 Lab Sample Id: 667140-001 Date Collected: 07.14.2020 11:40

Analytical Method: Inorganic Anions by EPA 300/300.1 Prep Method: E300P

Tech: CHE % Moisture:

Analyst: CHE Date Prep: 07.15.2020 09:40

Seq Number: 3131791

| Parameter | Cas Number | Result | RL | MDL | Units | Analysis Date | Flag | Dil |
|-----------|------------|--------|------|-------|-------|------------------|------|-----|
| Chloride | 16887-00-6 | 71.3 | 2.50 | 0.105 | mg/L | 07.15.2020 12:31 | | 5 |

Analytical Method: TDS by SM2540C

Tech: SPC % Moisture:

Analyst: SPC

Seq Number: 3131948

| Parameter | Cas Number | Result | RL | MDL | Units | Analysis Date | Flag | Dil |
|------------------------|------------|--------|------|------|-------|------------------|------|-----|
| Total Dissolved Solids | 1642222 | 613 | 5.00 | 5.00 | mg/L | 07.15.2020 14:00 | | 1 |

Certificate of Analytical Results 667140

GHD Services, INC- Midland, Midland, TX

Dollarhide

Sample Id: **MW-33-W-201407** Matrix: Ground Water Date Received:07.14.2020 15:08
 Lab Sample Id: 667140-002 Date Collected: 07.14.2020 11:50

Analytical Method: Inorganic Anions by EPA 300/300.1 Prep Method: E300P

Tech: CHE % Moisture:

Analyst: CHE Date Prep: 07.15.2020 09:40

Seq Number: 3131791

| Parameter | Cas Number | Result | RL | MDL | Units | Analysis Date | Flag | Dil |
|-----------|------------|--------|------|-------|-------|------------------|------|-----|
| Chloride | 16887-00-6 | 196 | 5.00 | 0.210 | mg/L | 07.15.2020 12:37 | | 10 |

Analytical Method: TDS by SM2540C

Tech: SPC % Moisture:

Analyst: SPC

Seq Number: 3131948

| Parameter | Cas Number | Result | RL | MDL | Units | Analysis Date | Flag | Dil |
|------------------------|------------|--------|------|------|-------|------------------|------|-----|
| Total Dissolved Solids | 1642222 | 1060 | 5.00 | 5.00 | mg/L | 07.15.2020 14:00 | | 1 |

Certificate of Analytical Results 667140

GHD Services, INC- Midland, Midland, TX

Dollarhide

Sample Id: **MW-32-W-201407** Matrix: Ground Water Date Received:07.14.2020 15:08
 Lab Sample Id: 667140-003 Date Collected: 07.14.2020 12:00

Analytical Method: Inorganic Anions by EPA 300/300.1 Prep Method: E300P

Tech: CHE % Moisture:

Analyst: CHE Date Prep: 07.15.2020 09:40

Seq Number: 3131791

| Parameter | Cas Number | Result | RL | MDL | Units | Analysis Date | Flag | Dil |
|-----------|------------|--------|------|-------|-------|------------------|------|-----|
| Chloride | 16887-00-6 | 321 | 5.00 | 0.210 | mg/L | 07.15.2020 12:43 | | 10 |

Analytical Method: TDS by SM2540C

Tech: SPC % Moisture:

Analyst: SPC

Seq Number: 3131948

| Parameter | Cas Number | Result | RL | MDL | Units | Analysis Date | Flag | Dil |
|------------------------|------------|--------|------|------|-------|------------------|------|-----|
| Total Dissolved Solids | 1642222 | 1140 | 5.00 | 5.00 | mg/L | 07.15.2020 14:00 | | 1 |

Certificate of Analytical Results 667140

GHD Services, INC- Midland, Midland, TX

Dollarhide

Sample Id: **MW-32-WD-201407** Matrix: Ground Water Date Received: 07.14.2020 15:08
 Lab Sample Id: 667140-004 Date Collected: 07.14.2020 12:00

Analytical Method: Inorganic Anions by EPA 300/300.1 Prep Method: E300P

Tech: CHE % Moisture:

Analyst: CHE Date Prep: 07.15.2020 09:40

Seq Number: 3131791

| Parameter | Cas Number | Result | RL | MDL | Units | Analysis Date | Flag | Dil |
|-----------|------------|--------|------|-------|-------|------------------|------|-----|
| Chloride | 16887-00-6 | 302 | 5.00 | 0.210 | mg/L | 07.15.2020 13:01 | | 10 |

Analytical Method: TDS by SM2540C

Tech: SPC % Moisture:

Analyst: SPC

Seq Number: 3131948

| Parameter | Cas Number | Result | RL | MDL | Units | Analysis Date | Flag | Dil |
|------------------------|------------|--------|------|------|-------|------------------|------|-----|
| Total Dissolved Solids | 1642222 | 1020 | 5.00 | 5.00 | mg/L | 07.15.2020 14:00 | | 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. **ND** Not Detected.

RL Reporting Limit

MDL Method Detection Limit **SDL** Sample Detection Limit **LOD** Limit of Detection

PQL Practical Quantitation Limit **MQL** Method Quantitation Limit **LOQ** Limit of Quantitation

DL Method Detection Limit

NC Non-Calculable

SMP Client Sample **BLK** Method Blank

BKS/LCS Blank Spike/Laboratory Control Sample **BKSD/LCSD** Blank Spike Duplicate/Laboratory Control Sample Duplicate

MD/SD Method Duplicate/Sample Duplicate **MS** Matrix Spike **MSD:** Matrix Spike Duplicate

+ NELAC certification not offered for this compound.

* (Next to analyte name or method description) = Outside XENCO's scope of NELAC accreditation



QC Summary 667140

GHD Services, INC- Midland
Dollarhide**Analytical Method:** Inorganic Anions by EPA 300/300.1

| | | | | | | | | | |
|------------------|---------------|------------------------------|------------|----------|-------------|-----------------------|--------|------|------------------|
| Seq Number: | 3131791 | Matrix: Water | | | | Prep Method: E300P | | | |
| MB Sample Id: | 7707378-1-BLK | LCS Sample Id: 7707378-1-BKS | | | | Date Prep: 07.15.2020 | | | |
| Parameter | MB Result | Spike Amount | LCS Result | LCS %Rec | LCSD Result | LCSD %Rec | Limits | %RPD | RPD Limit |
| Chloride | <0.0210 | 25.0 | 25.9 | 104 | 26.0 | 104 | 90-110 | 0 | 20 |
| | | | | | | | | mg/L | 07.15.2020 09:56 |

Analytical Method: Inorganic Anions by EPA 300/300.1

| | | | | | | | | | |
|-------------------|---------------|----------------------------|-----------|---------|------------|-----------------------|--------|------|------------------|
| Seq Number: | 3131791 | Matrix: Drinking Water | | | | Prep Method: E300P | | | |
| Parent Sample Id: | 667045-001 | MS Sample Id: 667045-001 S | | | | Date Prep: 07.15.2020 | | | |
| Parameter | Parent Result | Spike Amount | MS Result | MS %Rec | MSD Result | MSD %Rec | Limits | %RPD | RPD Limit |
| Chloride | 9.23 | 25.0 | 34.8 | 102 | 35.0 | 103 | 90-110 | 1 | 20 |
| | | | | | | | | mg/L | 07.15.2020 10:22 |

Analytical Method: Inorganic Anions by EPA 300/300.1

| | | | | | | | | | |
|-------------------|---------------|----------------------------|-----------|---------|------------|-----------------------|--------|------|------------------|
| Seq Number: | 3131791 | Matrix: Ground Water | | | | Prep Method: E300P | | | |
| Parent Sample Id: | 667140-003 | MS Sample Id: 667140-003 S | | | | Date Prep: 07.15.2020 | | | |
| Parameter | Parent Result | Spike Amount | MS Result | MS %Rec | MSD Result | MSD %Rec | Limits | %RPD | RPD Limit |
| Chloride | 321 | 250 | 576 | 102 | 575 | 102 | 90-110 | 0 | 20 |
| | | | | | | | | mg/L | 07.15.2020 12:49 |

Analytical Method: TDS by SM2540C

| | | | | | | | | | |
|------------------------|---------------|------------------------------|------------|----------|-------------|-----------------------|--------|------|------------------|
| Seq Number: | 3131948 | Matrix: Water | | | | Prep Method: E300P | | | |
| MB Sample Id: | 3131948-1-BLK | LCS Sample Id: 3131948-1-BKS | | | | Date Prep: 07.15.2020 | | | |
| Parameter | MB Result | Spike Amount | LCS Result | LCS %Rec | LCSD Result | LCSD %Rec | Limits | %RPD | RPD Limit |
| Total Dissolved Solids | <5.00 | 1000 | 996 | 100 | 975 | 98 | 80-120 | 2 | 10 |
| | | | | | | | | mg/L | 07.15.2020 14:00 |

Analytical Method: TDS by SM2540C

| | | | | | | | | | |
|------------------------|---------------|----------------------------|--|--|--|-----------------------|--|--|--|
| Seq Number: | 3131948 | Matrix: Ground Water | | | | Prep Method: E300P | | | |
| Parent Sample Id: | 667139-015 | MD Sample Id: 667139-015 D | | | | Date Prep: 07.15.2020 | | | |
| Parameter | Parent Result | MD Result | | | | %RPD | | | |
| Total Dissolved Solids | 11400 | 11200 | | | | RPD Limit | | | |
| | | | | | | Units | | | |

Analytical Method: TDS by SM2540C

| | | | | | | | | | |
|------------------------|---------------|----------------------------|--|--|--|-----------------------|--|--|--|
| Seq Number: | 3131948 | Matrix: Water | | | | Prep Method: E300P | | | |
| Parent Sample Id: | 667340-004 | MD Sample Id: 667340-004 D | | | | Date Prep: 07.15.2020 | | | |
| Parameter | Parent Result | MD Result | | | | %RPD | | | |
| Total Dissolved Solids | 9130 | 9300 | | | | RPD Limit | | | |
| | | | | | | Units | | | |

MS/MSD Percent Recovery
 Relative Percent Difference
 LCS/LCSD Recovery
 Log Difference

[D] = 100*(C-A) / B
 RPD = 200* | (C-E) / (C+E) |
 [D] = 100 * (C) / [B]
 Log Diff. = Log(Sample Duplicate) - Log(Original Sample)

LCS = Laboratory Control Sample
 A = Parent Result
 C = MS/LCS Result
 E = MSD/LCSD Result

MS = Matrix Spike
 B = Spike Added
 D = MSD/LCSD % Rec



Chain of Custody

Work Order No:

| | | |
|------------------|--|--|
| Project Manager: | Nick Casten | HODDS NM (5/5-392--550) Phoenix, AZ (480-355-0900) Atlanta, GA (770-449-8800) Tampa, FL (813-223-0000) |
| Company Name: | GHD | Bill to: (if different) Gina Blair- Apinvoices-340@ghd.com Company Name: GHD Services Inc.- 340 |
| Address: | 2135 S. Loop 250 West Midland, TX 79703 | Address: 2055 Niagara Falls Blvd. City, State ZIP: Niagara Falls, NY. 14304 |
| City, State ZIP: | | |
| Phone: | 225-292-9007 | Email: Nick.Casten@ghd.com & Christopher.Knight@ghd.com & Brittany.White@ghd.com & edds@ghd.com |

| | | | | | |
|--|--|------|---|----|-----------|
| 3-620-2000) | www.xenco.com | Page | 1 | of | <u> </u> |
| Work Order Comments | | | | | |
| <p>Program: UST/PST <input type="checkbox"/> PRP <input type="checkbox"/> Brownfields <input type="checkbox"/> RRC <input type="checkbox"/> Superfund <input type="checkbox"/></p> <p>State of Project:</p> <p>Reporting: Level II Level III <input type="checkbox"/> PST/UST <input type="checkbox"/> TRRP <input checked="" type="checkbox"/> Level IV <input type="checkbox"/></p> <p>Deliverables: EDD <input type="checkbox"/> ADAPT <input type="checkbox"/> Other: _____</p> | | | | | |

| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---------------|-------|-------|-------|----|----|----|----|----|----|---|----|----|----|----|----|----|----|----|----|----|----|---|----|----|------------------|----|----|---------------------------------------|----|---|---|----|
| 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 | SiO ₂ | Na | Sr | Tl | Sn | U | V | Zn |
| <i>Circle Method(s) and Metal(s) to be analyzed</i> | TCLP / SPLP 6010: 8RCRA Sb As Ba Be Cd Cr Co Cu Pb Mn Mo Ni Se Ag Ti 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 Xencor, its affiliates and subcontractors. It assigns standard terms and conditions of service. Xencor 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 Xencor. A minimum charge of \$75.00 will be applied to each project and a charge of \$5 for each sample submitted to Xencor, but not analyzed. These terms will be enforced unless previously negotiated.

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 Ti 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 Ti U **1631 / 2451 / 7470 / 7471:** Hg

Eurofins Xenco, LLC
Prelogin/Nonconformance Report- Sample Log-In

Client: GHD Services, INC- Midland**Date/ Time Received:** 07.14.2020 03.08.00 PM**Work Order #:** 667140

Acceptable Temperature Range: 0 - 6 degC
 Air and Metal samples Acceptable Range: Ambient
 Temperature Measuring device used : IR-8

| Sample Receipt Checklist | Comments |
|---|----------|
| #1 *Temperature of cooler(s)? | -.4 |
| #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)? | N/A |
| #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: AJA

PH Device/Lot#: 10BDH1991

Checklist completed by:

 Brianna Teel

Date: 07.14.2020

Checklist reviewed by:

 Debbie Simmons

Date: 07.15.2020

Certificate of Analysis Summary 667340

GHD Services, INC- Midland, Midland, TX

Project Name: Dollarhide

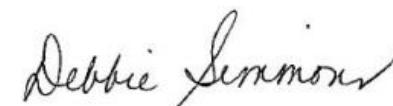
Project Id: 055270
Contact: Nick Casten
Project Location: New Mexico

Date Received in Lab: Wed 07.15.2020 16:34
Report Date: 08.01.2020 12:47
Project Manager: Debbie Simmons

| Analysis Requested | Lab Id: <i>Field Id:</i> <i>Depth:</i> Matrix: Sampled: | 667340-001 MW-27-W-201507 | 667340-002 MW-10-W-201507 | 667340-003 MW-26-W-201507 | 667340-004 MW-24-W-201507 | 667340-005 MW-19-W-201507 | 667340-006 MW-18-W-201507 |
|--|--|---|---|---|---|---|---|
| Inorganic Anions by EPA 300/300.1 | Extracted: <i>Analyzed:</i> Units/RL: | 07.17.2020 12:15 07.17.2020 14:00 mg/L RL | 07.17.2020 12:15 07.17.2020 14:06 mg/L RL | 07.17.2020 12:15 07.17.2020 14:13 mg/L RL | 07.17.2020 12:15 07.17.2020 14:19 mg/L RL | 07.17.2020 12:15 07.18.2020 16:59 mg/L RL | 07.17.2020 12:15 07.17.2020 14:47 mg/L RL |
| Chloride | | 2950 25.0 | 5130 25.0 | 1480 25.0 | 4430 25.0 | 7880 50.0 | 21400 100 |
| TDS by SM2540C | Extracted: <i>Analyzed:</i> Units/RL: | 07.15.2020 14:00 07.15.2020 14:00 mg/L RL |
| Total Dissolved Solids | | 5120 5.00 | 9450 5.00 | 3520 5.00 | 9130 5.00 | 13700 5.00 | 36000 5.00 |

BRL - Below Reporting Limit

Houston - Dallas - Midland - Tampa - Phoenix - Lubbock - San Antonio - El Paso - Atlanta - New Mexico



Certificate of Analysis Summary 667340

GHD Services, INC- Midland, Midland, TX

Project Name: Dollarhide

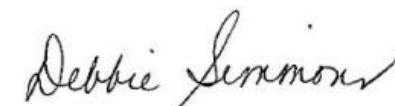
Project Id: 055270
Contact: Nick Casten
Project Location: New Mexico

Date Received in Lab: Wed 07.15.2020 16:34
Report Date: 08.01.2020 12:47
Project Manager: Debbie Simmons

| Analysis Requested | <i>Lab Id:</i> <i>Field Id:</i> <i>Depth:</i> <i>Matrix:</i> <i>Sampled:</i> | 667340-007 MW-25-W-201507 | 667340-008 MW-25-WD-201507 | 667340-009 MW-12-W-201507 | 667340-010 MW-31-W-201507 | 667340-011 MW-11-W-201507 | 667340-012 MW-6-W-201507 |
|--|--|---|---|---|---|---|---|
| Inorganic Anions by EPA 300/300.1 | <i>Extracted:</i> <i>Analyzed:</i> <i>Units/RL:</i> | 07.17.2020 12:15 07.17.2020 14:53 mg/L RL | 07.17.2020 12:15 07.17.2020 15:00 mg/L RL | 07.17.2020 12:15 07.17.2020 15:06 mg/L RL | 07.17.2020 12:15 07.17.2020 15:36 mg/L RL | 07.17.2020 12:15 07.17.2020 15:42 mg/L RL | 07.17.2020 12:15 07.17.2020 16:05 mg/L RL |
| Chloride | | 26100 100 | 24000 100 | 12700 50.0 | 8890 50.0 | 6240 50.0 | 417 5.00 |
| TDS by SM2540C | <i>Extracted:</i> <i>Analyzed:</i> <i>Units/RL:</i> | 07.15.2020 14:00 07.15.2020 14:00 mg/L RL |
| Total Dissolved Solids | | 37300 5.00 | 36600 5.00 | 22700 5.00 | 17800 5.00 | 12000 5.00 | 1590 5.00 |

BRL - Below Reporting Limit

Houston - Dallas - Midland - Tampa - Phoenix - Lubbock - San Antonio - El Paso - Atlanta - New Mexico



Certificate of Analysis Summary 667340

GHD Services, INC- Midland, Midland, TX

Project Name: Dollarhide

Project Id: 055270
Contact: Nick Casten
Project Location: New Mexico

Date Received in Lab: Wed 07.15.2020 16:34
Report Date: 08.01.2020 12:47
Project Manager: Debbie Simmons

| Analysis Requested | Lab Id: <i>Field Id:</i> <i>Depth:</i> Matrix: Sampled: | 667340-013 MW-5-W-201507 WATER 07.15.2020 11:30 | 667340-014 MW-4-W-201507 WATER 07.15.2020 11:45 | 667340-015 MW-3-W-201507 WATER 07.15.2020 12:00 | 667340-016 MW-14-W-201507 WATER 07.15.2020 12:15 | 667340-017 MW-13-W-201507 WATER 07.15.2020 12:30 | 667340-018 MW-15-W-201507 WATER 07.15.2020 12:45 |
|--|--|--|--|--|---|---|---|
| Inorganic Anions by EPA 300/300.1 | Extracted: Analyzed: Units/RL: | 07.17.2020 12:15 07.17.2020 16:11 mg/L RL | 07.17.2020 12:15 07.17.2020 16:17 mg/L RL | 07.17.2020 12:15 07.17.2020 16:23 mg/L RL | 07.17.2020 12:15 07.17.2020 16:29 mg/L RL | 07.17.2020 12:15 07.17.2020 16:35 mg/L RL | 07.17.2020 12:15 07.18.2020 17:07 mg/L RL |
| Chloride | | 267 5.00 | 352 5.00 | 648 5.00 | 1760 25.0 | 1750 25.0 | 1110 10.0 |
| TDS by SM2540C | Extracted: Analyzed: Units/RL: | 07.15.2020 14:00 07.15.2020 14:00 mg/L RL | 07.16.2020 17:35 07.16.2020 17:35 mg/L RL | 07.16.2020 17:35 07.16.2020 17:35 mg/L RL | 07.16.2020 17:35 07.16.2020 17:35 mg/L RL | 07.16.2020 17:35 07.16.2020 17:35 mg/L RL | 07.16.2020 17:35 07.16.2020 17:35 mg/L RL |
| Total Dissolved Solids | | 1090 5.00 | 1050 5.00 | 1550 5.00 | 3640 5.00 | 4350 5.00 | 2330 5.00 |

BRL - Below Reporting Limit

Houston - Dallas - Midland - Tampa - Phoenix - Lubbock - San Antonio - El Paso - Atlanta - New Mexico



Certificate of Analysis Summary 667340

GHD Services, INC- Midland, Midland, TX

Project Name: Dollarhide

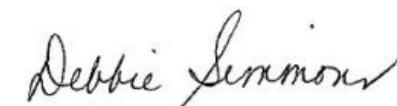
Project Id: 055270
Contact: Nick Casten
Project Location: New Mexico

Date Received in Lab: Wed 07.15.2020 16:34
Report Date: 08.01.2020 12:47
Project Manager: Debbie Simmons

| Analysis Requested | <i>Lab Id:</i> 667340-019 | <i>Field Id:</i> MW-16-W-201507 | <i>Depth:</i> MW-21-W-201507 | <i>Matrix:</i> WATER | <i>Sampled:</i> 07.15.2020 13:00 | <i>Lab Id:</i> 667340-020 | <i>Field Id:</i> MW-17-W-201507 | <i>Depth:</i> MW-23-W-201507 | <i>Matrix:</i> WATER | <i>Sampled:</i> 07.15.2020 13:15 | <i>Lab Id:</i> 667340-021 | <i>Field Id:</i> MW-22-W-201507 | <i>Depth:</i> MW-22-WD-201507 | <i>Matrix:</i> WATER | <i>Sampled:</i> 07.15.2020 13:30 | <i>Lab Id:</i> 667340-022 | <i>Field Id:</i> MW-22-W-201507 | <i>Depth:</i> MW-22-WD-201507 | <i>Matrix:</i> WATER | <i>Sampled:</i> 07.15.2020 13:45 | <i>Lab Id:</i> 667340-023 | <i>Field Id:</i> MW-22-WD-201507 | <i>Depth:</i> MW-22-WD-201507 | <i>Matrix:</i> WATER | <i>Sampled:</i> 07.15.2020 14:00 | <i>Lab Id:</i> 667340-024 | | | | | |
|--|---------------------------------------|------------------------------------|---------------------------------|-------------------------|-------------------------------------|---------------------------------------|------------------------------------|---------------------------------|-------------------------|-------------------------------------|---------------------------------------|------------------------------------|----------------------------------|-------------------------|-------------------------------------|---------------------------------------|------------------------------------|----------------------------------|-------------------------|-------------------------------------|---------------------------------------|-------------------------------------|----------------------------------|-------------------------|-------------------------------------|---------------------------------------|------|--|--|-------|------|
| Inorganic Anions by EPA 300/300.1 | <i>Extracted:</i> 07.17.2020 13:00 | | | | | <i>Extracted:</i> 07.17.2020 13:00 | | | | | <i>Extracted:</i> 07.17.2020 13:00 | | | | | <i>Extracted:</i> 07.17.2020 13:00 | | | | | <i>Extracted:</i> 07.17.2020 13:00 | | | | | | | | | | |
| | <i>Analyzed:</i> 07.17.2020 17:24 | | | | | <i>Analyzed:</i> 07.17.2020 17:48 | | | | | <i>Analyzed:</i> 07.17.2020 17:55 | | | | | <i>Analyzed:</i> 07.17.2020 18:01 | | | | | <i>Analyzed:</i> 07.17.2020 18:07 | | | | | | | | | | |
| | <i>Units/RL:</i> mg/L RL | | | | | <i>Units/RL:</i> mg/L RL | | | | | <i>Units/RL:</i> mg/L RL | | | | | <i>Units/RL:</i> mg/L RL | | | | | <i>Units/RL:</i> mg/L RL | | | | | | | | | | |
| Chloride | | 505 X | 5.00 | | | 5850 | 25.0 | | | | 7450 | 50.0 | | | | 6060 | 50.0 | | | | 10100 | 50.0 | | | | 9130 | 50.0 | | | | |
| TDS by SM2540C | <i>Extracted:</i> 07.16.2020 17:35 | | | | | <i>Extracted:</i> 07.16.2020 17:35 | | | | | <i>Extracted:</i> 07.16.2020 17:35 | | | | | <i>Extracted:</i> 07.16.2020 17:35 | | | | | <i>Extracted:</i> 07.16.2020 17:35 | | | | | <i>Extracted:</i> 07.16.2020 17:35 | | | | | |
| | <i>Analyzed:</i> 07.16.2020 17:35 | | | | | <i>Analyzed:</i> 07.16.2020 17:35 | | | | | <i>Analyzed:</i> 07.16.2020 17:35 | | | | | <i>Analyzed:</i> 07.16.2020 17:35 | | | | | <i>Analyzed:</i> 07.16.2020 17:35 | | | | | <i>Analyzed:</i> 07.16.2020 17:35 | | | | | |
| Total Dissolved Solids | <i>Units/RL:</i> mg/L RL | | | | | 1390 | 5.00 | | | | 10700 | 5.00 | | | | 15000 | 5.00 | | | | 12600 | 5.00 | | | | 21900 | 5.00 | | | 21900 | 5.00 |

BRL - Below Reporting Limit

Houston - Dallas - Midland - Tampa - Phoenix - Lubbock - San Antonio - El Paso - Atlanta - New Mexico



Certificate of Analysis Summary 667340

GHD Services, INC- Midland, Midland, TX

Project Name: Dollarhide

Project Id: 055270
Contact: Nick Casten
Project Location: New Mexico

Date Received in Lab: Wed 07.15.2020 16:34
Report Date: 08.01.2020 12:47
Project Manager: Debbie Simmons

| | | | | | | | | |
|--|--|------------------------------------|---------------------------------|------------------------------------|------|--|--|--|
| Analysis Requested | | Lab Id: 667340-025 | Field Id: MW-30-W-201507 | Depth: Livermore-W-201507 | | | | |
| | | Matrix: WATER | | Matrix: WATER | | | | |
| | | Sampled: 07.15.2020 14:15 | | Sampled: 07.15.2020 14:30 | | | | |
| Inorganic Anions by EPA 300/300.1 | | Extracted: 07.17.2020 13:00 | | Extracted: 07.17.2020 13:00 | | | | |
| | | Analyzed: 07.17.2020 18:35 | | Analyzed: 07.17.2020 18:42 | | | | |
| | | Units/RL: mg/L | RL | Units/RL: mg/L | RL | | | |
| Chloride | | 2290 | 25.0 | 2440 | 25.0 | | | |
| TDS by SM2540C | | Extracted: | | Extracted: | | | | |
| | | Analyzed: 07.16.2020 17:35 | | Analyzed: 07.16.2020 17:35 | | | | |
| | | Units/RL: mg/L | RL | Units/RL: mg/L | RL | | | |
| Total Dissolved Solids | | 4530 | 5.00 | 5200 | 5.00 | | | |

BRL - Below Reporting Limit

Houston - Dallas - Midland - Tampa - Phoenix - Lubbock - San Antonio - El Paso - Atlanta - New Mexico



Analytical Report 667340

for

GHD Services, INC- Midland

Project Manager: Nick Casten

Dollarhide

055270

08.01.2020

Collected By: Client



**1211 W. Florida Ave
Midland TX 79701**

Xenco-Houston (EPA Lab Code: TX00122):
Texas (T104704215-20-36), Arizona (AZ0765), Florida (E871002-33), Louisiana (03054)
Oklahoma (2019-058), North Carolina (681), Arkansas (20-035-0)

Xenco-Dallas (EPA Lab Code: TX01468):
Texas (T104704295-20-25), Arizona (AZ0809)

Xenco-El Paso (EPA Lab Code: TX00127): Texas (T104704221-20-17)
Xenco-Lubbock (EPA Lab Code: TX00139): Texas (T104704219-20-22)
Xenco-Midland (EPA Lab Code: TX00158): Texas (T104704400-19-19)
Xenco-Carlsbad (LELAP): Louisiana (05092)
Xenco-San Antonio (EPA Lab Code: TNI02385): Texas (T104704534-20-7)
Xenco Phoenix (EPA Lab Code: AZ00901): Arizona (AZ0757)
Xenco-Tampa: Florida (E87429), North Carolina (483)



08.01.2020

Project Manager: **Nick Casten**

GHD Services, INC- Midland

2135 S Loop 250 W
Midland, TX 79703

Reference: Eurofins Xenco, LLC Report No(s): **667340**

Dollarhide

Project Address: New Mexico

Nick Casten:

We are reporting to you the results of the analyses performed on the samples received under the project name referenced above and identified with the Eurofins Xenco, LLC Report Number(s) 667340. All results being reported under this Report Number apply to the samples analyzed and properly identified with a Laboratory ID number. Subcontracted analyses are identified in this report with either the NELAC certification number of the subcontract lab in the analyst ID field, or the complete subcontracted report attached to this report.

Unless otherwise noted in a Case Narrative, all data reported in this Analytical Report are in compliance with NELAC standards. The uncertainty of measurement associated with the results of analysis reported is available upon request. Should insufficient sample be provided to the laboratory to meet the method and NELAC Matrix Duplicate and Matrix Spike requirements, then the data will be analyzed, evaluated and reported using all other available quality control measures.

The validity and integrity of this report will remain intact as long as it is accompanied by this letter and reproduced in full, unless written approval is granted by Eurofins Xenco, LLC. This report will be filed for at least 5 years in our archives after which time it will be destroyed without further notice, unless otherwise arranged with you. The samples received, and described as recorded in Report No. 667340 will be filed for 45 days, and after that time they will be properly disposed without further notice, unless otherwise arranged with you. We reserve the right to return to you any unused samples, extracts or solutions related to them if we consider so necessary (e.g., samples identified as hazardous waste, sample sizes exceeding analytical standard practices, controlled substances under regulated protocols, etc).

We thank you for selecting Eurofins Xenco, LLC to serve your analytical needs. If you have any questions concerning this report, please feel free to contact us at any time.

Respectfully,

A handwritten signature in black ink that reads "Debbie Simmons".

Debbie Simmons

Project Manager

A Small Business and Minority Company

Houston - Dallas - Midland - Tampa - Phoenix - Lubbock - San Antonio - El Paso - Atlanta - New Mexico

Sample Cross Reference 667340

GHD Services, INC- Midland, Midland, TX

Dollarhide

| Sample Id | Matrix | Date Collected | Sample Depth | Lab Sample Id |
|--------------------|--------|------------------|--------------|---------------|
| MW-27-W-201507 | W | 07.15.2020 09:10 | | 667340-001 |
| MW-10-W-201507 | W | 07.15.2020 09:20 | | 667340-002 |
| MW-26-W-201507 | W | 07.15.2020 09:30 | | 667340-003 |
| MW-24-W-201507 | W | 07.15.2020 09:40 | | 667340-004 |
| MW-19-W-201507 | W | 07.15.2020 09:50 | | 667340-005 |
| MW-18-W-201507 | W | 07.15.2020 10:00 | | 667340-006 |
| MW-25-W-201507 | W | 07.15.2020 10:15 | | 667340-007 |
| MW-25-WD-201507 | W | 07.15.2020 10:15 | | 667340-008 |
| MW-12-W-201507 | W | 07.15.2020 10:30 | | 667340-009 |
| MW-31-W-201507 | W | 07.15.2020 10:45 | | 667340-010 |
| MW-11-W-201507 | W | 07.15.2020 11:00 | | 667340-011 |
| MW-6-W-201507 | W | 07.15.2020 11:15 | | 667340-012 |
| MW-5-W-201507 | W | 07.15.2020 11:30 | | 667340-013 |
| MW-4-W-201507 | W | 07.15.2020 11:45 | | 667340-014 |
| MW-3-W-201507 | W | 07.15.2020 12:00 | | 667340-015 |
| MW-14-W-201507 | W | 07.15.2020 12:15 | | 667340-016 |
| MW-13-W-201507 | W | 07.15.2020 12:30 | | 667340-017 |
| MW-15-W-201507 | W | 07.15.2020 12:45 | | 667340-018 |
| MW-16-W-201507 | W | 07.15.2020 13:00 | | 667340-019 |
| MW-21-W-201507 | W | 07.15.2020 13:15 | | 667340-020 |
| MW-17-W-201507 | W | 07.15.2020 13:30 | | 667340-021 |
| MW-23-W-201507 | W | 07.15.2020 13:45 | | 667340-022 |
| MW-22-W-201507 | W | 07.15.2020 14:00 | | 667340-023 |
| MW-22-WD-201507 | W | 07.15.2020 14:00 | | 667340-024 |
| MW-30-W-201507 | W | 07.15.2020 14:15 | | 667340-025 |
| Livermore-W-201507 | W | 07.15.2020 14:30 | | 667340-026 |



CASE NARRATIVE

Client Name: GHD Services, INC- Midland
Project Name: Dollarhide

Project ID: 055270
Work Order Number(s): 667340

Report Date: 08.01.2020
Date Received: 07.15.2020

Sample receipt non conformances and comments:

Sample receipt non conformances and comments per sample:

None

Analytical non conformances and comments:

Batch: LBA-3132058 Inorganic Anions by EPA 300/300.1

Lab Sample ID 667340-019 was randomly selected for Matrix Spike/Matrix Spike Duplicate (MS/MSD). Chloride recovered above QC limits in the Matrix Spike and Matrix Spike Duplicate. Outlier/s are due to possible matrix interference. Samples in the analytical batch are: 667340-019, -020, -021, -022, -023, -024, -025, -026.

The Laboratory Control Sample for Chloride is within laboratory Control Limits, therefore the data was accepted.

Certificate of Analytical Results 667340

GHD Services, INC- Midland, Midland, TX

Dollarhide

Sample Id: **MW-27-W-201507** Matrix: Water Date Received:07.15.2020 16:34
 Lab Sample Id: 667340-001 Date Collected: 07.15.2020 09:10

Analytical Method: Inorganic Anions by EPA 300/300.1 Prep Method: E300P

Tech: CHE % Moisture:

Analyst: CHE Date Prep: 07.17.2020 12:15

Seq Number: 3132052

| Parameter | Cas Number | Result | RL | MDL | Units | Analysis Date | Flag | Dil |
|-----------|------------|-------------|------|------|-------|------------------|------|-----|
| Chloride | 16887-00-6 | 2950 | 25.0 | 1.05 | mg/L | 07.17.2020 14:00 | | 50 |

Analytical Method: TDS by SM2540C

Tech: SPC % Moisture:

Analyst: SPC

Seq Number: 3131948

| Parameter | Cas Number | Result | RL | MDL | Units | Analysis Date | Flag | Dil |
|------------------------|------------|-------------|------|------|-------|------------------|------|-----|
| Total Dissolved Solids | 1642222 | 5120 | 5.00 | 5.00 | mg/L | 07.15.2020 14:00 | | 1 |

Certificate of Analytical Results 667340

GHD Services, INC- Midland, Midland, TX

Dollarhide

Sample Id: **MW-10-W-201507** Matrix: Water Date Received:07.15.2020 16:34
 Lab Sample Id: 667340-002 Date Collected: 07.15.2020 09:20

Analytical Method: Inorganic Anions by EPA 300/300.1 Prep Method: E300P

Tech: CHE % Moisture:

Analyst: CHE Date Prep: 07.17.2020 12:15

Seq Number: 3132052

| Parameter | Cas Number | Result | RL | MDL | Units | Analysis Date | Flag | Dil |
|-----------|------------|-------------|------|------|-------|------------------|------|-----|
| Chloride | 16887-00-6 | 5130 | 25.0 | 1.05 | mg/L | 07.17.2020 14:06 | | 50 |

Analytical Method: TDS by SM2540C

Tech: SPC % Moisture:

Analyst: SPC

Seq Number: 3131948

| Parameter | Cas Number | Result | RL | MDL | Units | Analysis Date | Flag | Dil |
|------------------------|------------|-------------|------|------|-------|------------------|------|-----|
| Total Dissolved Solids | 1642222 | 9450 | 5.00 | 5.00 | mg/L | 07.15.2020 14:00 | | 1 |

Certificate of Analytical Results 667340

GHD Services, INC- Midland, Midland, TX

Dollarhide

Sample Id: **MW-26-W-201507** Matrix: Water Date Received:07.15.2020 16:34
 Lab Sample Id: 667340-003 Date Collected: 07.15.2020 09:30

Analytical Method: Inorganic Anions by EPA 300/300.1 Prep Method: E300P

Tech: CHE % Moisture:

Analyst: CHE Date Prep: 07.17.2020 12:15

Seq Number: 3132052

| Parameter | Cas Number | Result | RL | MDL | Units | Analysis Date | Flag | Dil |
|-----------|------------|--------|------|------|-------|------------------|------|-----|
| Chloride | 16887-00-6 | 1480 | 25.0 | 1.05 | mg/L | 07.17.2020 14:13 | | 50 |

Analytical Method: TDS by SM2540C

Tech: SPC % Moisture:

Analyst: SPC

Seq Number: 3131948

| Parameter | Cas Number | Result | RL | MDL | Units | Analysis Date | Flag | Dil |
|------------------------|------------|--------|------|------|-------|------------------|------|-----|
| Total Dissolved Solids | 1642222 | 3520 | 5.00 | 5.00 | mg/L | 07.15.2020 14:00 | | 1 |

Certificate of Analytical Results 667340

GHD Services, INC- Midland, Midland, TX

Dollarhide

Sample Id: **MW-24-W-201507** Matrix: Water Date Received:07.15.2020 16:34
 Lab Sample Id: 667340-004 Date Collected: 07.15.2020 09:40

Analytical Method: Inorganic Anions by EPA 300/300.1 Prep Method: E300P

Tech: CHE % Moisture:

Analyst: CHE Date Prep: 07.17.2020 12:15

Seq Number: 3132052

| Parameter | Cas Number | Result | RL | MDL | Units | Analysis Date | Flag | Dil |
|-----------|------------|--------|------|------|-------|------------------|------|-----|
| Chloride | 16887-00-6 | 4430 | 25.0 | 1.05 | mg/L | 07.17.2020 14:19 | | 50 |

Analytical Method: TDS by SM2540C

Tech: SPC % Moisture:

Analyst: SPC

Seq Number: 3131948

| Parameter | Cas Number | Result | RL | MDL | Units | Analysis Date | Flag | Dil |
|------------------------|------------|--------|------|------|-------|------------------|------|-----|
| Total Dissolved Solids | 1642222 | 9130 | 5.00 | 5.00 | mg/L | 07.15.2020 14:00 | | 1 |

Certificate of Analytical Results 667340

GHD Services, INC- Midland, Midland, TX

Dollarhide

Sample Id: **MW-19-W-201507** Matrix: Water Date Received:07.15.2020 16:34
 Lab Sample Id: 667340-005 Date Collected: 07.15.2020 09:50

Analytical Method: Inorganic Anions by EPA 300/300.1 Prep Method: E300P

Tech: CHE % Moisture:

Analyst: CHE Date Prep: 07.17.2020 12:15

Seq Number: 3132052

| Parameter | Cas Number | Result | RL | MDL | Units | Analysis Date | Flag | Dil |
|-----------|------------|-------------|------|------|-------|------------------|------|-----|
| Chloride | 16887-00-6 | 7880 | 50.0 | 2.10 | mg/L | 07.18.2020 16:59 | | 100 |

Analytical Method: TDS by SM2540C

Tech: SPC % Moisture:

Analyst: SPC

Seq Number: 3131948

| Parameter | Cas Number | Result | RL | MDL | Units | Analysis Date | Flag | Dil |
|------------------------|------------|--------------|------|------|-------|------------------|------|-----|
| Total Dissolved Solids | 1642222 | 13700 | 5.00 | 5.00 | mg/L | 07.15.2020 14:00 | | 1 |

Certificate of Analytical Results 667340

GHD Services, INC- Midland, Midland, TX

Dollarhide

Sample Id: **MW-18-W-201507** Matrix: Water Date Received: 07.15.2020 16:34
 Lab Sample Id: 667340-006 Date Collected: 07.15.2020 10:00

Analytical Method: Inorganic Anions by EPA 300/300.1 Prep Method: E300P

Tech: CHE % Moisture:

Analyst: CHE Date Prep: 07.17.2020 12:15

Seq Number: 3132052

| Parameter | Cas Number | Result | RL | MDL | Units | Analysis Date | Flag | Dil |
|-----------|------------|--------|-----|------|-------|------------------|------|-----|
| Chloride | 16887-00-6 | 21400 | 100 | 4.21 | mg/L | 07.17.2020 14:47 | | 200 |

Analytical Method: TDS by SM2540C

Tech: SPC % Moisture:

Analyst: SPC

Seq Number: 3131948

| Parameter | Cas Number | Result | RL | MDL | Units | Analysis Date | Flag | Dil |
|------------------------|------------|--------|------|------|-------|------------------|------|-----|
| Total Dissolved Solids | 1642222 | 36000 | 5.00 | 5.00 | mg/L | 07.15.2020 14:00 | | 1 |

Certificate of Analytical Results 667340

GHD Services, INC- Midland, Midland, TX

Dollarhide

Sample Id: **MW-25-W-201507** Matrix: Water Date Received:07.15.2020 16:34
 Lab Sample Id: 667340-007 Date Collected: 07.15.2020 10:15

Analytical Method: Inorganic Anions by EPA 300/300.1 Prep Method: E300P

Tech: CHE % Moisture:

Analyst: CHE Date Prep: 07.17.2020 12:15

Seq Number: 3132052

| Parameter | Cas Number | Result | RL | MDL | Units | Analysis Date | Flag | Dil |
|-----------------|------------|--------------|-----|------|-------|------------------|------|-----|
| Chloride | 16887-00-6 | 26100 | 100 | 4.21 | mg/L | 07.17.2020 14:53 | | 200 |

Analytical Method: TDS by SM2540C

Tech: SPC % Moisture:

Analyst: SPC

Seq Number: 3131948

| Parameter | Cas Number | Result | RL | MDL | Units | Analysis Date | Flag | Dil |
|-------------------------------|------------|--------------|------|------|-------|------------------|------|-----|
| Total Dissolved Solids | 1642222 | 37300 | 5.00 | 5.00 | mg/L | 07.15.2020 14:00 | | 1 |

Certificate of Analytical Results 667340

GHD Services, INC- Midland, Midland, TX

Dollarhide

Sample Id: **MW-25-WD-201507** Matrix: Water Date Received: 07.15.2020 16:34
 Lab Sample Id: 667340-008 Date Collected: 07.15.2020 10:15

Analytical Method: Inorganic Anions by EPA 300/300.1 Prep Method: E300P

Tech: CHE % Moisture:

Analyst: CHE Date Prep: 07.17.2020 12:15

Seq Number: 3132052

| Parameter | Cas Number | Result | RL | MDL | Units | Analysis Date | Flag | Dil |
|-----------|------------|--------|-----|------|-------|------------------|------|-----|
| Chloride | 16887-00-6 | 24000 | 100 | 4.21 | mg/L | 07.17.2020 15:00 | | 200 |

Analytical Method: TDS by SM2540C

Tech: SPC % Moisture:

Analyst: SPC

Seq Number: 3131948

| Parameter | Cas Number | Result | RL | MDL | Units | Analysis Date | Flag | Dil |
|------------------------|------------|--------|------|------|-------|------------------|------|-----|
| Total Dissolved Solids | 1642222 | 36600 | 5.00 | 5.00 | mg/L | 07.15.2020 14:00 | | 1 |

Certificate of Analytical Results 667340

GHD Services, INC- Midland, Midland, TX

Dollarhide

Sample Id: **MW-12-W-201507** Matrix: Water Date Received:07.15.2020 16:34
 Lab Sample Id: 667340-009 Date Collected: 07.15.2020 10:30

Analytical Method: Inorganic Anions by EPA 300/300.1 Prep Method: E300P

Tech: CHE % Moisture:

Analyst: CHE Date Prep: 07.17.2020 12:15

Seq Number: 3132052

| Parameter | Cas Number | Result | RL | MDL | Units | Analysis Date | Flag | Dil |
|-----------|------------|--------------|------|------|-------|------------------|------|-----|
| Chloride | 16887-00-6 | 12700 | 50.0 | 2.10 | mg/L | 07.17.2020 15:06 | | 100 |

Analytical Method: TDS by SM2540C

Tech: SPC % Moisture:

Analyst: SPC

Seq Number: 3131948

| Parameter | Cas Number | Result | RL | MDL | Units | Analysis Date | Flag | Dil |
|------------------------|------------|--------------|------|------|-------|------------------|------|-----|
| Total Dissolved Solids | 1642222 | 22700 | 5.00 | 5.00 | mg/L | 07.15.2020 14:00 | | 1 |

Certificate of Analytical Results 667340

GHD Services, INC- Midland, Midland, TX

Dollarhide

Sample Id: **MW-31-W-201507** Matrix: Water Date Received:07.15.2020 16:34
 Lab Sample Id: 667340-010 Date Collected: 07.15.2020 10:45

Analytical Method: Inorganic Anions by EPA 300/300.1 Prep Method: E300P

Tech: CHE % Moisture:

Analyst: CHE Date Prep: 07.17.2020 12:15

Seq Number: 3132052

| Parameter | Cas Number | Result | RL | MDL | Units | Analysis Date | Flag | Dil |
|-----------|------------|-------------|------|------|-------|------------------|------|-----|
| Chloride | 16887-00-6 | 8890 | 50.0 | 2.10 | mg/L | 07.17.2020 15:36 | | 100 |

Analytical Method: TDS by SM2540C

Tech: SPC % Moisture:

Analyst: SPC

Seq Number: 3131948

| Parameter | Cas Number | Result | RL | MDL | Units | Analysis Date | Flag | Dil |
|------------------------|------------|--------------|------|------|-------|------------------|------|-----|
| Total Dissolved Solids | 1642222 | 17800 | 5.00 | 5.00 | mg/L | 07.15.2020 14:00 | | 1 |

Certificate of Analytical Results 667340

GHD Services, INC- Midland, Midland, TX

Dollarhide

Sample Id: **MW-11-W-201507** Matrix: Water Date Received:07.15.2020 16:34
 Lab Sample Id: 667340-011 Date Collected: 07.15.2020 11:00

Analytical Method: Inorganic Anions by EPA 300/300.1 Prep Method: E300P

Tech: CHE % Moisture:

Analyst: CHE Date Prep: 07.17.2020 12:15

Seq Number: 3132052

| Parameter | Cas Number | Result | RL | MDL | Units | Analysis Date | Flag | Dil |
|-----------|------------|-------------|------|------|-------|------------------|------|-----|
| Chloride | 16887-00-6 | 6240 | 50.0 | 2.10 | mg/L | 07.17.2020 15:42 | | 100 |

Analytical Method: TDS by SM2540C

Tech: SPC % Moisture:

Analyst: SPC

Seq Number: 3131948

| Parameter | Cas Number | Result | RL | MDL | Units | Analysis Date | Flag | Dil |
|------------------------|------------|--------------|------|------|-------|------------------|------|-----|
| Total Dissolved Solids | 1642222 | 12000 | 5.00 | 5.00 | mg/L | 07.15.2020 14:00 | | 1 |

Certificate of Analytical Results 667340

GHD Services, INC- Midland, Midland, TX

Dollarhide

Sample Id: **MW-6-W-201507** Matrix: Water Date Received:07.15.2020 16:34
 Lab Sample Id: 667340-012 Date Collected:07.15.2020 11:15

Analytical Method: Inorganic Anions by EPA 300/300.1 Prep Method: E300P

Tech: CHE % Moisture:

Analyst: CHE Date Prep: 07.17.2020 12:15

Seq Number: 3132052

| Parameter | Cas Number | Result | RL | MDL | Units | Analysis Date | Flag | Dil |
|-----------|------------|--------|------|-------|-------|------------------|------|-----|
| Chloride | 16887-00-6 | 417 | 5.00 | 0.210 | mg/L | 07.17.2020 16:05 | | 10 |

Analytical Method: TDS by SM2540C

Tech: SPC % Moisture:

Analyst: SPC

Seq Number: 3131948

| Parameter | Cas Number | Result | RL | MDL | Units | Analysis Date | Flag | Dil |
|------------------------|------------|--------|------|------|-------|------------------|------|-----|
| Total Dissolved Solids | 1642222 | 1590 | 5.00 | 5.00 | mg/L | 07.15.2020 14:00 | | 1 |

Certificate of Analytical Results 667340

GHD Services, INC- Midland, Midland, TX

Dollarhide

Sample Id: **MW-5-W-201507** Matrix: Water Date Received: 07.15.2020 16:34
 Lab Sample Id: 667340-013 Date Collected: 07.15.2020 11:30

Analytical Method: Inorganic Anions by EPA 300/300.1 Prep Method: E300P

Tech: CHE % Moisture:

Analyst: CHE Date Prep: 07.17.2020 12:15

Seq Number: 3132052

| Parameter | Cas Number | Result | RL | MDL | Units | Analysis Date | Flag | Dil |
|-----------|------------|--------|------|-------|-------|------------------|------|-----|
| Chloride | 16887-00-6 | 267 | 5.00 | 0.210 | mg/L | 07.17.2020 16:11 | | 10 |

Analytical Method: TDS by SM2540C

Tech: SPC % Moisture:

Analyst: SPC

Seq Number: 3131948

| Parameter | Cas Number | Result | RL | MDL | Units | Analysis Date | Flag | Dil |
|------------------------|------------|--------|------|------|-------|------------------|------|-----|
| Total Dissolved Solids | 1642222 | 1090 | 5.00 | 5.00 | mg/L | 07.15.2020 14:00 | | 1 |

Certificate of Analytical Results 667340

GHD Services, INC- Midland, Midland, TX

Dollarhide

Sample Id: **MW-4-W-201507** Matrix: Water Date Received:07.15.2020 16:34
 Lab Sample Id: 667340-014 Date Collected:07.15.2020 11:45

Analytical Method: Inorganic Anions by EPA 300/300.1 Prep Method: E300P

Tech: CHE % Moisture:

Analyst: CHE Date Prep: 07.17.2020 12:15

Seq Number: 3132052

| Parameter | Cas Number | Result | RL | MDL | Units | Analysis Date | Flag | Dil |
|-----------|------------|--------|------|-------|-------|------------------|------|-----|
| Chloride | 16887-00-6 | 352 | 5.00 | 0.210 | mg/L | 07.17.2020 16:17 | | 10 |

Analytical Method: TDS by SM2540C

Tech: SPC % Moisture:

Analyst: SPC

Seq Number: 3131949

| Parameter | Cas Number | Result | RL | MDL | Units | Analysis Date | Flag | Dil |
|------------------------|------------|--------|------|------|-------|------------------|------|-----|
| Total Dissolved Solids | 1642222 | 1050 | 5.00 | 5.00 | mg/L | 07.16.2020 17:35 | | 1 |

Certificate of Analytical Results 667340

GHD Services, INC- Midland, Midland, TX

Dollarhide

Sample Id: **MW-3-W-201507** Matrix: Water Date Received:07.15.2020 16:34
 Lab Sample Id: 667340-015 Date Collected: 07.15.2020 12:00

Analytical Method: Inorganic Anions by EPA 300/300.1 Prep Method: E300P

Tech: CHE % Moisture:

Analyst: CHE Date Prep: 07.17.2020 12:15

Seq Number: 3132052

| Parameter | Cas Number | Result | RL | MDL | Units | Analysis Date | Flag | Dil |
|-----------|------------|------------|------|-------|-------|------------------|------|-----|
| Chloride | 16887-00-6 | 648 | 5.00 | 0.210 | mg/L | 07.17.2020 16:23 | | 10 |

Analytical Method: TDS by SM2540C

Tech: SPC % Moisture:

Analyst: SPC

Seq Number: 3131949

| Parameter | Cas Number | Result | RL | MDL | Units | Analysis Date | Flag | Dil |
|------------------------|------------|-------------|------|------|-------|------------------|------|-----|
| Total Dissolved Solids | 1642222 | 1550 | 5.00 | 5.00 | mg/L | 07.16.2020 17:35 | | 1 |

Certificate of Analytical Results 667340

GHD Services, INC- Midland, Midland, TX

Dollarhide

Sample Id: **MW-14-W-201507** Matrix: Water Date Received:07.15.2020 16:34
 Lab Sample Id: 667340-016 Date Collected: 07.15.2020 12:15

Analytical Method: Inorganic Anions by EPA 300/300.1 Prep Method: E300P

Tech: CHE % Moisture:

Analyst: CHE Date Prep: 07.17.2020 12:15

Seq Number: 3132052

| Parameter | Cas Number | Result | RL | MDL | Units | Analysis Date | Flag | Dil |
|-----------|------------|--------|------|------|-------|------------------|------|-----|
| Chloride | 16887-00-6 | 1760 | 25.0 | 1.05 | mg/L | 07.17.2020 16:29 | | 50 |

Analytical Method: TDS by SM2540C

Tech: SPC % Moisture:

Analyst: SPC

Seq Number: 3131949

| Parameter | Cas Number | Result | RL | MDL | Units | Analysis Date | Flag | Dil |
|------------------------|------------|--------|------|------|-------|------------------|------|-----|
| Total Dissolved Solids | 1642222 | 3640 | 5.00 | 5.00 | mg/L | 07.16.2020 17:35 | | 1 |

Certificate of Analytical Results 667340

GHD Services, INC- Midland, Midland, TX

Dollarhide

Sample Id: **MW-13-W-201507** Matrix: Water Date Received:07.15.2020 16:34
 Lab Sample Id: 667340-017 Date Collected: 07.15.2020 12:30

Analytical Method: Inorganic Anions by EPA 300/300.1 Prep Method: E300P

Tech: CHE % Moisture:

Analyst: CHE Date Prep: 07.17.2020 12:15

Seq Number: 3132052

| Parameter | Cas Number | Result | RL | MDL | Units | Analysis Date | Flag | Dil |
|-----------------|------------|-------------|------|------|-------|------------------|------|-----|
| Chloride | 16887-00-6 | 1750 | 25.0 | 1.05 | mg/L | 07.17.2020 16:35 | | 50 |

Analytical Method: TDS by SM2540C

Tech: SPC % Moisture:

Analyst: SPC

Seq Number: 3131949

| Parameter | Cas Number | Result | RL | MDL | Units | Analysis Date | Flag | Dil |
|-------------------------------|------------|-------------|------|------|-------|------------------|------|-----|
| Total Dissolved Solids | 1642222 | 4350 | 5.00 | 5.00 | mg/L | 07.16.2020 17:35 | | 1 |

Certificate of Analytical Results 667340

GHD Services, INC- Midland, Midland, TX

Dollarhide

Sample Id: **MW-15-W-201507** Matrix: Water Date Received:07.15.2020 16:34
 Lab Sample Id: 667340-018 Date Collected: 07.15.2020 12:45

Analytical Method: Inorganic Anions by EPA 300/300.1 Prep Method: E300P
 Tech: CHE % Moisture:
 Analyst: CHE Date Prep: 07.17.2020 12:15
 Seq Number: 3132052

| Parameter | Cas Number | Result | RL | MDL | Units | Analysis Date | Flag | Dil |
|-----------|------------|--------|------|-------|-------|------------------|------|-----|
| Chloride | 16887-00-6 | 1110 | 10.0 | 0.421 | mg/L | 07.18.2020 17:07 | | 20 |

Analytical Method: TDS by SM2540C

Tech: SPC % Moisture:
 Analyst: SPC
 Seq Number: 3131949

| Parameter | Cas Number | Result | RL | MDL | Units | Analysis Date | Flag | Dil |
|------------------------|------------|--------|------|------|-------|------------------|------|-----|
| Total Dissolved Solids | 1642222 | 2330 | 5.00 | 5.00 | mg/L | 07.16.2020 17:35 | | 1 |

Certificate of Analytical Results 667340

GHD Services, INC- Midland, Midland, TX

Dollarhide

Sample Id: **MW-16-W-201507** Matrix: Water Date Received:07.15.2020 16:34
 Lab Sample Id: 667340-019 Date Collected: 07.15.2020 13:00

Analytical Method: Inorganic Anions by EPA 300/300.1 Prep Method: E300P

Tech: CHE % Moisture:

Analyst: CHE Date Prep: 07.17.2020 13:00

Seq Number: 3132058

| Parameter | Cas Number | Result | RL | MDL | Units | Analysis Date | Flag | Dil |
|-----------|------------|------------|------|-------|-------|------------------|------|-----|
| Chloride | 16887-00-6 | 505 | 5.00 | 0.210 | mg/L | 07.17.2020 17:24 | X | 10 |

Analytical Method: TDS by SM2540C

Tech: SPC % Moisture:

Analyst: SPC

Seq Number: 3131949

| Parameter | Cas Number | Result | RL | MDL | Units | Analysis Date | Flag | Dil |
|------------------------|------------|-------------|------|------|-------|------------------|------|-----|
| Total Dissolved Solids | 1642222 | 1390 | 5.00 | 5.00 | mg/L | 07.16.2020 17:35 | | 1 |

Certificate of Analytical Results 667340

GHD Services, INC- Midland, Midland, TX

Dollarhide

Sample Id: **MW-21-W-201507** Matrix: Water Date Received:07.15.2020 16:34
 Lab Sample Id: 667340-020 Date Collected: 07.15.2020 13:15

Analytical Method: Inorganic Anions by EPA 300/300.1 Prep Method: E300P

Tech: CHE % Moisture:

Analyst: CHE Date Prep: 07.17.2020 13:00

Seq Number: 3132058

| Parameter | Cas Number | Result | RL | MDL | Units | Analysis Date | Flag | Dil |
|-----------|------------|-------------|------|------|-------|------------------|------|-----|
| Chloride | 16887-00-6 | 5850 | 25.0 | 1.05 | mg/L | 07.17.2020 17:48 | | 50 |

Analytical Method: TDS by SM2540C

Tech: SPC % Moisture:

Analyst: SPC

Seq Number: 3131949

| Parameter | Cas Number | Result | RL | MDL | Units | Analysis Date | Flag | Dil |
|------------------------|------------|--------------|------|------|-------|------------------|------|-----|
| Total Dissolved Solids | 1642222 | 10700 | 5.00 | 5.00 | mg/L | 07.16.2020 17:35 | | 1 |

Certificate of Analytical Results 667340

GHD Services, INC- Midland, Midland, TX

Dollarhide

Sample Id: **MW-17-W-201507** Matrix: Water Date Received: 07.15.2020 16:34
 Lab Sample Id: 667340-021 Date Collected: 07.15.2020 13:30

Analytical Method: Inorganic Anions by EPA 300/300.1 Prep Method: E300P

Tech: CHE % Moisture:

Analyst: CHE Date Prep: 07.17.2020 13:00

Seq Number: 3132058

| Parameter | Cas Number | Result | RL | MDL | Units | Analysis Date | Flag | Dil |
|-----------|------------|--------|------|------|-------|------------------|------|-----|
| Chloride | 16887-00-6 | 7450 | 50.0 | 2.10 | mg/L | 07.17.2020 17:55 | | 100 |

Analytical Method: TDS by SM2540C

Tech: SPC % Moisture:

Analyst: SPC

Seq Number: 3131949

| Parameter | Cas Number | Result | RL | MDL | Units | Analysis Date | Flag | Dil |
|------------------------|------------|--------|------|------|-------|------------------|------|-----|
| Total Dissolved Solids | 1642222 | 15000 | 5.00 | 5.00 | mg/L | 07.16.2020 17:35 | | 1 |

Certificate of Analytical Results 667340

GHD Services, INC- Midland, Midland, TX

Dollarhide

Sample Id: **MW-23-W-201507** Matrix: Water Date Received:07.15.2020 16:34
 Lab Sample Id: 667340-022 Date Collected: 07.15.2020 13:45

Analytical Method: Inorganic Anions by EPA 300/300.1 Prep Method: E300P

Tech: CHE % Moisture:

Analyst: CHE Date Prep: 07.17.2020 13:00

Seq Number: 3132058

| Parameter | Cas Number | Result | RL | MDL | Units | Analysis Date | Flag | Dil |
|-----------|------------|-------------|------|------|-------|------------------|------|-----|
| Chloride | 16887-00-6 | 6060 | 50.0 | 2.10 | mg/L | 07.17.2020 18:01 | | 100 |

Analytical Method: TDS by SM2540C

Tech: SPC % Moisture:

Analyst: SPC

Seq Number: 3131949

| Parameter | Cas Number | Result | RL | MDL | Units | Analysis Date | Flag | Dil |
|------------------------|------------|--------------|------|------|-------|------------------|------|-----|
| Total Dissolved Solids | 1642222 | 12600 | 5.00 | 5.00 | mg/L | 07.16.2020 17:35 | | 1 |

Certificate of Analytical Results 667340

GHD Services, INC- Midland, Midland, TX

Dollarhide

Sample Id: **MW-22-W-201507** Matrix: Water Date Received:07.15.2020 16:34
 Lab Sample Id: 667340-023 Date Collected: 07.15.2020 14:00

Analytical Method: Inorganic Anions by EPA 300/300.1 Prep Method: E300P

Tech: CHE % Moisture:

Analyst: CHE Date Prep: 07.17.2020 13:00

Seq Number: 3132058

| Parameter | Cas Number | Result | RL | MDL | Units | Analysis Date | Flag | Dil |
|-----------|------------|--------------|------|------|-------|------------------|------|-----|
| Chloride | 16887-00-6 | 10100 | 50.0 | 2.10 | mg/L | 07.17.2020 18:07 | | 100 |

Analytical Method: TDS by SM2540C

Tech: SPC % Moisture:

Analyst: SPC

Seq Number: 3131949

| Parameter | Cas Number | Result | RL | MDL | Units | Analysis Date | Flag | Dil |
|------------------------|------------|--------------|------|------|-------|------------------|------|-----|
| Total Dissolved Solids | 1642222 | 21900 | 5.00 | 5.00 | mg/L | 07.16.2020 17:35 | | 1 |

Certificate of Analytical Results 667340

GHD Services, INC- Midland, Midland, TX

Dollarhide

Sample Id: **MW-22-WD-201507** Matrix: Water Date Received: 07.15.2020 16:34
 Lab Sample Id: 667340-024 Date Collected: 07.15.2020 14:00

Analytical Method: Inorganic Anions by EPA 300/300.1 Prep Method: E300P

Tech: CHE % Moisture:

Analyst: CHE Date Prep: 07.17.2020 13:00

Seq Number: 3132058

| Parameter | Cas Number | Result | RL | MDL | Units | Analysis Date | Flag | Dil |
|-----------|------------|--------|------|------|-------|------------------|------|-----|
| Chloride | 16887-00-6 | 9130 | 50.0 | 2.10 | mg/L | 07.17.2020 18:29 | | 100 |

Analytical Method: TDS by SM2540C

Tech: SPC % Moisture:

Analyst: SPC

Seq Number: 3131949

| Parameter | Cas Number | Result | RL | MDL | Units | Analysis Date | Flag | Dil |
|------------------------|------------|--------|------|------|-------|------------------|------|-----|
| Total Dissolved Solids | 1642222 | 21900 | 5.00 | 5.00 | mg/L | 07.16.2020 17:35 | | 1 |

Certificate of Analytical Results 667340

GHD Services, INC- Midland, Midland, TX

Dollarhide

Sample Id: **MW-30-W-201507** Matrix: Water Date Received:07.15.2020 16:34
 Lab Sample Id: 667340-025 Date Collected: 07.15.2020 14:15

Analytical Method: Inorganic Anions by EPA 300/300.1 Prep Method: E300P

Tech: CHE % Moisture:

Analyst: CHE Date Prep: 07.17.2020 13:00

Seq Number: 3132058

| Parameter | Cas Number | Result | RL | MDL | Units | Analysis Date | Flag | Dil |
|-----------|------------|--------|------|------|-------|------------------|------|-----|
| Chloride | 16887-00-6 | 2290 | 25.0 | 1.05 | mg/L | 07.17.2020 18:35 | | 50 |

Analytical Method: TDS by SM2540C

Tech: SPC % Moisture:

Analyst: SPC

Seq Number: 3131949

| Parameter | Cas Number | Result | RL | MDL | Units | Analysis Date | Flag | Dil |
|------------------------|------------|--------|------|------|-------|------------------|------|-----|
| Total Dissolved Solids | 1642222 | 4530 | 5.00 | 5.00 | mg/L | 07.16.2020 17:35 | | 1 |

Certificate of Analytical Results 667340

GHD Services, INC- Midland, Midland, TX

Dollarhide

Sample Id: **Livermore-W-201507** Matrix: Water Date Received:07.15.2020 16:34
 Lab Sample Id: 667340-026 Date Collected: 07.15.2020 14:30

Analytical Method: Inorganic Anions by EPA 300/300.1 Prep Method: E300P

Tech: CHE % Moisture:

Analyst: CHE Date Prep: 07.17.2020 13:00

Seq Number: 3132058

| Parameter | Cas Number | Result | RL | MDL | Units | Analysis Date | Flag | Dil |
|-----------|------------|--------|------|------|-------|------------------|------|-----|
| Chloride | 16887-00-6 | 2440 | 25.0 | 1.05 | mg/L | 07.17.2020 18:42 | | 50 |

Analytical Method: TDS by SM2540C

Tech: SPC % Moisture:

Analyst: SPC

Seq Number: 3131949

| Parameter | Cas Number | Result | RL | MDL | Units | Analysis Date | Flag | Dil |
|------------------------|------------|--------|------|------|-------|------------------|------|-----|
| Total Dissolved Solids | 1642222 | 5200 | 5.00 | 5.00 | mg/L | 07.16.2020 17:35 | | 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. **ND** Not Detected.

RL Reporting Limit

MDL Method Detection Limit **SDL** Sample Detection Limit **LOD** Limit of Detection

PQL Practical Quantitation Limit **MQL** Method Quantitation Limit **LOQ** Limit of Quantitation

DL Method Detection Limit

NC Non-Calculable

SMP Client Sample **BLK** Method Blank

BKS/LCS Blank Spike/Laboratory Control Sample **BKSD/LCSD** Blank Spike Duplicate/Laboratory Control Sample Duplicate

MD/SD Method Duplicate/Sample Duplicate **MS** Matrix Spike **MSD:** Matrix Spike Duplicate

+ NELAC certification not offered for this compound.

* (Next to analyte name or method description) = Outside XENCO's scope of NELAC accreditation



QC Summary 667340

GHD Services, INC- Midland
Dollarhide

Analytical Method: Inorganic Anions by EPA 300/300.1

| | | | | | | | | | |
|---------------|---------------|------------------------------|------------|----------|-------------|-----------------------|--------|-------|------------------|
| Seq Number: | 3132052 | Matrix: Water | | | | Prep Method: E300P | | | |
| MB Sample Id: | 7707561-1-BLK | LCS Sample Id: 7707561-1-BKS | | | | Date Prep: 07.17.2020 | | | |
| Parameter | MB Result | Spike Amount | LCS Result | LCS %Rec | LCSD Result | LCSD %Rec | Limits | %RPD | RPD Limit |
| Chloride | <0.0210 | 25.0 | 25.9 | 104 | 25.9 | 104 | 90-110 | 0 | 20 |
| | | | | | | | | Units | Analysis Date |
| | | | | | | | | mg/L | 07.17.2020 13:20 |
| | | | | | | | | | Flag |

Analytical Method: Inorganic Anions by EPA 300/300.1

| | | | | | | | | | |
|---------------|---------------|------------------------------|------------|----------|-------------|-----------------------|--------|-------|------------------|
| Seq Number: | 3132058 | Matrix: Water | | | | Prep Method: E300P | | | |
| MB Sample Id: | 7707562-1-BLK | LCS Sample Id: 7707562-1-BKS | | | | Date Prep: 07.17.2020 | | | |
| Parameter | MB Result | Spike Amount | LCS Result | LCS %Rec | LCSD Result | LCSD %Rec | Limits | %RPD | RPD Limit |
| Chloride | <0.0210 | 25.0 | 26.4 | 106 | 26.3 | 105 | 90-110 | 0 | 20 |
| | | | | | | | | Units | Analysis Date |
| | | | | | | | | mg/L | 07.17.2020 17:08 |
| | | | | | | | | | Flag |

Analytical Method: Inorganic Anions by EPA 300/300.1

| | | | | | | | | | |
|-------------------|---------------|----------------------------|-----------|---------|------------|-----------------------|--------|-------|------------------|
| Seq Number: | 3132052 | Matrix: Drinking Water | | | | Prep Method: E300P | | | |
| Parent Sample Id: | 667440-001 | MS Sample Id: 667440-001 S | | | | Date Prep: 07.17.2020 | | | |
| Parameter | Parent Result | Spike Amount | MS Result | MS %Rec | MSD Result | MSD %Rec | Limits | %RPD | RPD Limit |
| Chloride | 63.2 | 25.0 | 89.8 | 106 | 88.3 | 100 | 90-110 | 2 | 20 |
| | | | | | | | | Units | Analysis Date |
| | | | | | | | | mg/L | 07.17.2020 13:44 |
| | | | | | | | | | Flag |

Analytical Method: Inorganic Anions by EPA 300/300.1

| | | | | | | | | | |
|-------------------|---------------|----------------------------|-----------|---------|------------|-----------------------|--------|-------|------------------|
| Seq Number: | 3132052 | Matrix: Drinking Water | | | | Prep Method: E300P | | | |
| Parent Sample Id: | 667441-001 | MS Sample Id: 667441-001 S | | | | Date Prep: 07.17.2020 | | | |
| Parameter | Parent Result | Spike Amount | MS Result | MS %Rec | MSD Result | MSD %Rec | Limits | %RPD | RPD Limit |
| Chloride | 34.0 | 25.0 | 61.1 | 108 | 60.1 | 104 | 90-110 | 2 | 20 |
| | | | | | | | | Units | Analysis Date |
| | | | | | | | | mg/L | 07.17.2020 15:20 |
| | | | | | | | | | Flag |

Analytical Method: Inorganic Anions by EPA 300/300.1

| | | | | | | | | | |
|-------------------|---------------|----------------------------|-----------|---------|------------|-----------------------|--------|-------|------------------|
| Seq Number: | 3132058 | Matrix: Water | | | | Prep Method: E300P | | | |
| Parent Sample Id: | 667340-019 | MS Sample Id: 667340-019 S | | | | Date Prep: 07.17.2020 | | | |
| Parameter | Parent Result | Spike Amount | MS Result | MS %Rec | MSD Result | MSD %Rec | Limits | %RPD | RPD Limit |
| Chloride | 505 | 250 | 785 | 112 | 782 | 111 | 90-110 | 0 | 20 |
| | | | | | | | | Units | Analysis Date |
| | | | | | | | | mg/L | 07.17.2020 17:32 |
| | | | | | | | | | X |

Analytical Method: Inorganic Anions by EPA 300/300.1

| | | | | | | | | | |
|-------------------|---------------|----------------------------|-----------|---------|------------|-----------------------|--------|-------|------------------|
| Seq Number: | 3132058 | Matrix: Water | | | | Prep Method: E300P | | | |
| Parent Sample Id: | 667544-001 | MS Sample Id: 667544-001 S | | | | Date Prep: 07.17.2020 | | | |
| Parameter | Parent Result | Spike Amount | MS Result | MS %Rec | MSD Result | MSD %Rec | Limits | %RPD | RPD Limit |
| Chloride | 251 | 25.0 | 262 | 44 | 266 | 60 | 90-110 | 2 | 20 |
| | | | | | | | | Units | Analysis Date |
| | | | | | | | | mg/L | 07.18.2020 16:35 |
| | | | | | | | | | X |

MS/MSD Percent Recovery
 Relative Percent Difference
 LCS/LCSD Recovery
 Log Difference

[D] = 100*(C-A) / B
 RPD = 200* | (C-E) / (C+E) |
 [D] = 100 * (C) / [B]
 Log Diff. = Log(Sample Duplicate) - Log(Original Sample)

LCS = Laboratory Control Sample
 A = Parent Result
 C = MS/LCS Result
 E = MSD/LCSD Result

MS = Matrix Spike
 B = Spike Added
 D = MSD/LCSD % Rec



QC Summary 667340

GHD Services, INC- Midland
Dollarhide**Analytical Method:** TDS by SM2540C

| Seq Number: | 3131948 | Matrix: Water | | | | | | | | | | |
|------------------------|---------------|------------------------------|------------|----------|-------------|-------------------------------|--------|------|-----------|-------|------------------|------|
| MB Sample Id: | 3131948-1-BLK | LCS Sample Id: 3131948-1-BKS | | | | LCSD Sample Id: 3131948-1-BSD | | | | | | |
| Parameter | MB Result | Spike Amount | LCS Result | LCS %Rec | LCSD Result | LCSD %Rec | Limits | %RPD | RPD Limit | Units | Analysis Date | Flag |
| Total Dissolved Solids | <5.00 | 1000 | 996 | 100 | 975 | 98 | 80-120 | 2 | 10 | mg/L | 07.15.2020 14:00 | |

Analytical Method: TDS by SM2540C

| Seq Number: | 3131949 | Matrix: Water | | | | | | | | | | |
|------------------------|---------------|------------------------------|------------|----------|-------------|-------------------------------|--------|------|-----------|-------|------------------|------|
| MB Sample Id: | 3131949-1-BLK | LCS Sample Id: 3131949-1-BKS | | | | LCSD Sample Id: 3131949-1-BSD | | | | | | |
| Parameter | MB Result | Spike Amount | LCS Result | LCS %Rec | LCSD Result | LCSD %Rec | Limits | %RPD | RPD Limit | Units | Analysis Date | Flag |
| Total Dissolved Solids | <5.00 | 1000 | 991 | 99 | 993 | 99 | 80-120 | 0 | 10 | mg/L | 07.16.2020 17:35 | |

Analytical Method: TDS by SM2540C

| Seq Number: | 3131948 | Matrix: Ground Water | | | | | | | | | |
|------------------------|---------------|----------------------------|--|--|--|------|--|-----------|-------|------------------|------|
| Parent Sample Id: | 667139-015 | MD Sample Id: 667139-015 D | | | | | | | | | |
| Parameter | Parent Result | MD Result | | | | %RPD | | RPD Limit | Units | Analysis Date | Flag |
| Total Dissolved Solids | 11400 | 11200 | | | | 2 | | 10 | mg/L | 07.15.2020 14:00 | |

Analytical Method: TDS by SM2540C

| Seq Number: | 3131948 | Matrix: Water | | | | | | | | | |
|------------------------|---------------|----------------------------|--|--|--|------|--|-----------|-------|------------------|------|
| Parent Sample Id: | 667340-004 | MD Sample Id: 667340-004 D | | | | | | | | | |
| Parameter | Parent Result | MD Result | | | | %RPD | | RPD Limit | Units | Analysis Date | Flag |
| Total Dissolved Solids | 9130 | 9300 | | | | 2 | | 10 | mg/L | 07.15.2020 14:00 | |

Analytical Method: TDS by SM2540C

| Seq Number: | 3131949 | Matrix: Water | | | | | | | | | |
|------------------------|---------------|----------------------------|--|--|--|------|--|-----------|-------|------------------|------|
| Parent Sample Id: | 667340-014 | MD Sample Id: 667340-014 D | | | | | | | | | |
| Parameter | Parent Result | MD Result | | | | %RPD | | RPD Limit | Units | Analysis Date | Flag |
| Total Dissolved Solids | 1050 | 1030 | | | | 2 | | 10 | mg/L | 07.16.2020 17:35 | |

Analytical Method: TDS by SM2540C

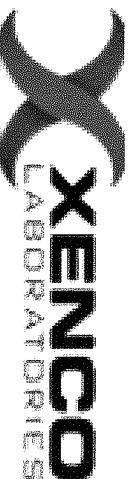
| Seq Number: | 3131949 | Matrix: Water | | | | | | | | | |
|------------------------|---------------|----------------------------|--|--|--|------|--|-----------|-------|------------------|------|
| Parent Sample Id: | 667340-024 | MD Sample Id: 667340-024 D | | | | | | | | | |
| Parameter | Parent Result | MD Result | | | | %RPD | | RPD Limit | Units | Analysis Date | Flag |
| Total Dissolved Solids | 21900 | 21900 | | | | 0 | | 10 | mg/L | 07.16.2020 17:35 | |

MS/MSD Percent Recovery
 Relative Percent Difference
 LCS/LCSD Recovery
 Log Difference

[D] = 100*(C-A) / B
 RPD = 200* | (C-E) / (C+E) |
 [D] = 100 * (C) / [B]
 Log Diff. = Log(Sample Duplicate) - Log(Original Sample)

LCS = Laboratory Control Sample
 A = Parent Result
 C = MS/LCS Result
 E = MSD/LCSD Result

MS = Matrix Spike
 B = Spike Added
 D = MSD/LCSD % Rec



Chain of Custody

Work Order No: 4607340

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
Phoenix, AZ (480) 355-0900 Atlanta, GA (770) 449-8800 Tampa, FL (813) 620-2000
www.xenco.com Page 1 of 3

| | | | |
|------------------|-----------------------|-------------------------|--|
| Project Manager: | Nick Casten | Bill to: (if different) | Gina Blair-Apinvoices-340@ghd.com |
| Company Name: | GHD | Company Name: | GHD Services Inc. - 340 |
| Address: | 2135 S. Loop 250 West | Address: | 2055 Niagara Falls Blvd. |
| City, State ZIP: | Midland, TX 79703 | City, State ZIP: | Niagara Falls, NY 14304 |
| Phone: | 225-292-9007 | Email: | Nick.Casten@ghd.com & Christopher.Knight@ghd.com & Brittany.White@ghd.com & edds@ghd.com |

| | | | |
|--|------------------------------|--------------------------------|--------|
| Work Order Comments | | | |
| <input checked="" type="checkbox"/> UST/PST <input type="checkbox"/> PRP <input type="checkbox"/> Brownfields <input type="checkbox"/> RRC <input type="checkbox"/> Superfund <input type="checkbox"/> State of Project: <input type="checkbox"/> Reporting Level II <input type="checkbox"/> Level III <input type="checkbox"/> PST/JUST <input type="checkbox"/> TRRP <input checked="" type="checkbox"/> Level IV | | | |
| Deliverables: | EDD <input type="checkbox"/> | Adapt <input type="checkbox"/> | Other: |

| ANALYSIS REQUEST | | | | Work Order Notes | |
|---|---|---|--------------------|---|--|
| SAMPLE RECEIPT | Temp Blank: | Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> | Wet Ice: | Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> | |
| Temperature (°C): | 0540 | | Thermometer ID: | 110E | |
| Received Intact: | Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> | | Due Date: | | |
| Cooler Custody Seals: | Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A | | Correction Factor: | -0.4 | |
| Sample Custody Seals: | Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A | | Total Containers: | | |
| Number of Containers | | | | | |
| Chlorides | | | | | |
| TDS | | | | | |
| TAT starts the day received by the lab, if received by 4:30pm | | | | | |
| Sample Comments | | | | | |

| Sample Identification | Matrix | Date Sampled | Time Sampled | Depth | |
|-----------------------|--------|--------------|--------------|-------|-------|
| MW-27-W-201507 | GW | 07/15 | 0910 | - | 1 X X |
| MW-10-W-201507 | bW | 07/15 | 0920 | - | 1 X X |
| MW-26-W-201507 | bW | 07/15 | 0930 | - | 1 X X |
| MW-24-W-201507 | bW | 07/15 | 0940 | - | 1 X X |
| MW-19-W-201507 | bW | 07/15 | 0950 | - | 1 X X |
| MW-18-W-201507 | bW | 07/15 | 1000 | - | 1 X X |
| MW-25-W-201507 | bW | 07/15 | 1015 | - | 1 X X |
| MW-25-W-201507 | bW | 07/15 | 1015 | - | 1 X X |
| MW-13-W-201507 | bW | 07/15 | 1030 | - | 1 X X |
| MW-31-W-201507 | bW | 07/15 | 1045 | - | 1 X X |

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 Ti 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 Ni Se Ag Ti 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 to the costs 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 \$5.00 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 | | 7/15/20 | | | |
| 3 | | | | | |
| 5 | | | | | |

Eurofins Xenco, LLC
Prelogin/Nonconformance Report- Sample Log-In

Client: GHD Services, INC- Midland

Acceptable Temperature Range: 0 - 6 degC

Date/ Time Received: 07.15.2020 04.34.30 PM

Air and Metal samples Acceptable Range: Ambient

Work Order #: 667340

Temperature Measuring device used : IR8

| Sample Receipt Checklist | Comments |
|---|----------|
| #1 *Temperature of cooler(s)? | .1 |
| #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)? | N/A |
| #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:

PH Device/Lot#:

Checklist completed by:

Jessica Kramer
 Jessica Kramer

Date: 07.15.2020

Checklist reviewed by:

Debbie Simmons
 Debbie Simmons

Date: 07.16.2020

Certificate of Analysis Summary 667969

GHD Services, INC- Midland, Midland, TX

Project Name: Dollarhide

Project Id: 055270
Contact: Nick Casten
Project Location: New Mexico

Date Received in Lab: Fri 07.10.2020 16:05
Report Date: 08.01.2020 12:53
Project Manager: Debbie Simmons

| | | | | | | | |
|--|--|--|--|--|--|--|--|
| Analysis Requested | | Lab Id: 667969-001 Field Id: Wilson Ranch Well-W-20 Depth: Matrix: GROUND WATER Sampled: 07.10.2020 13:45 | 667969-002 Smith Residence GROUND WATER 07.10.2020 14:15 | | | | |
| Inorganic Anions by EPA 300/300.1 | | Extracted: 07.13.2020 16:50 Analyzed: 07.13.2020 23:47 Units/RL: mg/L RL | 07.13.2020 16:50 07.13.2020 23:53 mg/L RL | | | | |
| Chloride | | 1030 10.0 | 1310 10.0 | | | | |
| TDS by SM2540C | | Extracted: Analyzed: 07.14.2020 16:04 Units/RL: mg/L RL | 07.14.2020 16:04 mg/L RL | | | | |
| Total Dissolved Solids | | 1990 5.00 | 2570 5.00 | | | | |

BRL - Below Reporting Limit

Houston - Dallas - Midland - Tampa - Phoenix - Lubbock - San Antonio - El Paso - Atlanta - New Mexico



Analytical Report 667969

for

GHD Services, INC- Midland

Project Manager: Nick Casten

Dollarhide

055270

08.01.2020

Collected By: Client



**1211 W. Florida Ave
Midland TX 79701**

Xenco-Houston (EPA Lab Code: TX00122):
Texas (T104704215-20-36), Arizona (AZ0765), Florida (E871002-33), Louisiana (03054)
Oklahoma (2019-058), North Carolina (681), Arkansas (20-035-0)

Xenco-Dallas (EPA Lab Code: TX01468):
Texas (T104704295-20-25), Arizona (AZ0809)

Xenco-El Paso (EPA Lab Code: TX00127): Texas (T104704221-20-17)
Xenco-Lubbock (EPA Lab Code: TX00139): Texas (T104704219-20-22)
Xenco-Midland (EPA Lab Code: TX00158): Texas (T104704400-19-19)
Xenco-Carlsbad (LELAP): Louisiana (05092)
Xenco-San Antonio (EPA Lab Code: TNI02385): Texas (T104704534-20-7)
Xenco Phoenix (EPA Lab Code: AZ00901): Arizona (AZ0757)
Xenco-Tampa: Florida (E87429), North Carolina (483)

08.01.2020

Project Manager: **Nick Casten**

GHD Services, INC- Midland

2135 S Loop 250 W
Midland, TX 79703

Reference: Eurofins Xenco, LLC Report No(s): **667969**

Dollarhide

Project Address: New Mexico

Nick Casten:

We are reporting to you the results of the analyses performed on the samples received under the project name referenced above and identified with the Eurofins Xenco, LLC Report Number(s) 667969. All results being reported under this Report Number apply to the samples analyzed and properly identified with a Laboratory ID number. Subcontracted analyses are identified in this report with either the NELAC certification number of the subcontract lab in the analyst ID field, or the complete subcontracted report attached to this report.

Unless otherwise noted in a Case Narrative, all data reported in this Analytical Report are in compliance with NELAC standards. The uncertainty of measurement associated with the results of analysis reported is available upon request. Should insufficient sample be provided to the laboratory to meet the method and NELAC Matrix Duplicate and Matrix Spike requirements, then the data will be analyzed, evaluated and reported using all other available quality control measures.

The validity and integrity of this report will remain intact as long as it is accompanied by this letter and reproduced in full, unless written approval is granted by Eurofins Xenco, LLC. This report will be filed for at least 5 years in our archives after which time it will be destroyed without further notice, unless otherwise arranged with you. The samples received, and described as recorded in Report No. 667969 will be filed for 45 days, and after that time they will be properly disposed without further notice, unless otherwise arranged with you. We reserve the right to return to you any unused samples, extracts or solutions related to them if we consider so necessary (e.g., samples identified as hazardous waste, sample sizes exceeding analytical standard practices, controlled substances under regulated protocols, etc).

We thank you for selecting Eurofins Xenco, LLC to serve your analytical needs. If you have any questions concerning this report, please feel free to contact us at any time.

Respectfully,



Debbie Simmons
Project Manager

A Small Business and Minority Company

Houston - Dallas - Midland - Tampa - Phoenix - Lubbock - San Antonio - El Paso - Atlanta - New Mexico

**Sample Cross Reference 667969****GHD Services, INC- Midland, Midland, TX**

Dollarhide

| Sample Id | Matrix | Date Collected | Sample Depth | Lab Sample Id |
|----------------------------|--------|------------------|--------------|---------------|
| Wilson Ranch Well-W-201007 | W | 07.10.2020 13:45 | | 667969-001 |
| Smith Residence | W | 07.10.2020 14:15 | | 667969-002 |



CASE NARRATIVE

Client Name: GHD Services, INC- Midland
Project Name: Dollarhide

Project ID: 055270
Work Order Number(s): 667969

Report Date: 08.01.2020
Date Received: 07.10.2020

Sample receipt non conformances and comments:

per Liz Whiddon, please remove the following two samples from 666617 and place them on a different work order (separate report) from all of the other samples.

- Wilson Ranch Well-W-201007
 - Smith Residence
-

Sample receipt non conformances and comments per sample:

None

Certificate of Analytical Results 667969

GHD Services, INC- Midland, Midland, TX

Dollarhide

Sample Id: **Wilson Ranch Well-W-201007** Matrix: Ground Water Date Received: 07.10.2020 16:05
 Lab Sample Id: 667969-001 Date Collected: 07.10.2020 13:45

Analytical Method: Inorganic Anions by EPA 300/300.1 Prep Method: E300P

Tech: SPC % Moisture:

Analyst: SPC

Date Prep: 07.13.2020 16:50

Seq Number: 3131511

| Parameter | Cas Number | Result | RL | MDL | Units | Analysis Date | Flag | Dil |
|-----------|------------|--------|------|-------|-------|------------------|------|-----|
| Chloride | 16887-00-6 | 1030 | 10.0 | 0.421 | mg/L | 07.13.2020 23:47 | | 20 |

Analytical Method: TDS by SM2540C

Tech: SPC % Moisture:

Analyst: SPC

Seq Number: 3131946

| Parameter | Cas Number | Result | RL | MDL | Units | Analysis Date | Flag | Dil |
|------------------------|------------|--------|------|------|-------|------------------|------|-----|
| Total Dissolved Solids | 1642222 | 1990 | 5.00 | 5.00 | mg/L | 07.14.2020 16:04 | | 1 |

Certificate of Analytical Results 667969

GHD Services, INC- Midland, Midland, TX

Dollarhide

Sample Id: **Smith Residence** Matrix: Ground Water Date Received: 07.10.2020 16:05
 Lab Sample Id: 667969-002 Date Collected: 07.10.2020 14:15

Analytical Method: Inorganic Anions by EPA 300/300.1 Prep Method: E300P

Tech: SPC % Moisture:

Analyst: SPC

Date Prep: 07.13.2020 16:50

Seq Number: 3131511

| Parameter | Cas Number | Result | RL | MDL | Units | Analysis Date | Flag | Dil |
|-----------|------------|--------|------|-------|-------|------------------|------|-----|
| Chloride | 16887-00-6 | 1310 | 10.0 | 0.421 | mg/L | 07.13.2020 23:53 | | 20 |

Analytical Method: TDS by SM2540C

Tech: SPC % Moisture:

Analyst: SPC

Seq Number: 3131946

| Parameter | Cas Number | Result | RL | MDL | Units | Analysis Date | Flag | Dil |
|------------------------|------------|--------|------|------|-------|------------------|------|-----|
| Total Dissolved Solids | 1642222 | 2570 | 5.00 | 5.00 | mg/L | 07.14.2020 16:04 | | 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. **ND** Not Detected.

RL Reporting Limit

MDL Method Detection Limit **SDL** Sample Detection Limit **LOD** Limit of Detection

PQL Practical Quantitation Limit **MQL** Method Quantitation Limit **LOQ** Limit of Quantitation

DL Method Detection Limit

NC Non-Calculable

SMP Client Sample **BLK** Method Blank

BKS/LCS Blank Spike/Laboratory Control Sample **BKSD/LCSD** Blank Spike Duplicate/Laboratory Control Sample Duplicate

MD/SD Method Duplicate/Sample Duplicate **MS** Matrix Spike **MSD:** Matrix Spike Duplicate

+ NELAC certification not offered for this compound.

* (Next to analyte name or method description) = Outside XENCO's scope of NELAC accreditation



QC Summary 667969

GHD Services, INC- Midland
Dollarhide**Analytical Method:** Inorganic Anions by EPA 300/300.1

| | | | | | | | | | |
|------------------|---------------|------------------------------|------------|----------|-------------|-----------------------|--------|------|------------------|
| Seq Number: | 3131511 | Matrix: Water | | | | Prep Method: E300P | | | |
| MB Sample Id: | 7707251-1-BLK | LCS Sample Id: 7707251-1-BKS | | | | Date Prep: 07.13.2020 | | | |
| Parameter | MB Result | Spike Amount | LCS Result | LCS %Rec | LCSD Result | LCSD %Rec | Limits | %RPD | RPD Limit |
| Chloride | <0.0210 | 25.0 | 26.1 | 104 | 26.1 | 104 | 90-110 | 0 | 20 |
| | | | | | | | | mg/L | 07.13.2020 21:21 |

Analytical Method: Inorganic Anions by EPA 300/300.1

| | | | | | | | | | |
|-------------------|---------------|----------------------------|-----------|---------|------------|-----------------------|--------|------|------------------|
| Seq Number: | 3131511 | Matrix: Ground Water | | | | Prep Method: E300P | | | |
| Parent Sample Id: | 666917-004 | MS Sample Id: 666917-004 S | | | | Date Prep: 07.13.2020 | | | |
| Parameter | Parent Result | Spike Amount | MS Result | MS %Rec | MSD Result | MSD %Rec | Limits | %RPD | RPD Limit |
| Chloride | 57.3 | 125 | 189 | 105 | 189 | 105 | 90-110 | 0 | 20 |
| | | | | | | | | mg/L | 07.13.2020 21:40 |

Analytical Method: Inorganic Anions by EPA 300/300.1

| | | | | | | | | | |
|-------------------|---------------|----------------------------|-----------|---------|------------|-----------------------|--------|------|------------------|
| Seq Number: | 3131511 | Matrix: Ground Water | | | | Prep Method: E300P | | | |
| Parent Sample Id: | 666917-006 | MS Sample Id: 666917-006 S | | | | Date Prep: 07.13.2020 | | | |
| Parameter | Parent Result | Spike Amount | MS Result | MS %Rec | MSD Result | MSD %Rec | Limits | %RPD | RPD Limit |
| Chloride | 28.8 | 125 | 161 | 106 | 162 | 107 | 90-110 | 1 | 20 |
| | | | | | | | | mg/L | 07.13.2020 23:09 |

Analytical Method: TDS by SM2540C

| | | | | | | | | | |
|------------------------|---------------|------------------------------|------------|----------|-------------|-----------------------|--------|------|-----------|
| Seq Number: | 3131946 | Matrix: Water | | | | Prep Method: E300P | | | |
| MB Sample Id: | 3131946-1-BLK | LCS Sample Id: 3131946-1-BKS | | | | Date Prep: 07.13.2020 | | | |
| Parameter | MB Result | Spike Amount | LCS Result | LCS %Rec | LCSD Result | LCSD %Rec | Limits | %RPD | RPD Limit |
| Total Dissolved Solids | <5.00 | 1000 | 998 | 100 | 998 | 100 | 80-120 | 0 | 10 |

Analytical Method: TDS by SM2540C

| | | | | | | | | | |
|------------------------|---------------|----------------------------|--|--|--|-----------------------|-----------|-------|------------------|
| Seq Number: | 3131946 | Matrix: Ground Water | | | | Prep Method: E300P | | | |
| Parent Sample Id: | 666917-001 | MD Sample Id: 666917-001 D | | | | Date Prep: 07.14.2020 | | | |
| Parameter | Parent Result | MD Result | | | | %RPD | RPD Limit | Units | Analysis Date |
| Total Dissolved Solids | 1130 | 1120 | | | | 1 | 10 | mg/L | 07.14.2020 16:04 |

Analytical Method: TDS by SM2540C

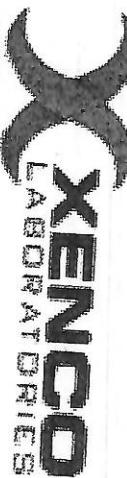
| | | | | | | | | | |
|------------------------|---------------|----------------------------|--|--|--|-----------------------|-----------|-------|------------------|
| Seq Number: | 3131946 | Matrix: Ground Water | | | | Prep Method: E300P | | | |
| Parent Sample Id: | 667041-001 | MD Sample Id: 667041-001 D | | | | Date Prep: 07.14.2020 | | | |
| Parameter | Parent Result | MD Result | | | | %RPD | RPD Limit | Units | Analysis Date |
| Total Dissolved Solids | 8020 | 8120 | | | | 1 | 10 | mg/L | 07.14.2020 16:04 |

MS/MSD Percent Recovery
 Relative Percent Difference
 LCS/LCSD Recovery
 Log Difference

[D] = 100*(C-A) / B
 RPD = 200* | (C-E) / (C+E) |
 [D] = 100 * (C) / [B]
 Log Diff. = Log(Sample Duplicate) - Log(Original Sample)

LCS = Laboratory Control Sample
 A = Parent Result
 C = MS/LCS Result
 E = MSD/LCSD Result

MS = Matrix Spike
 B = Spike Added
 D = MSD/LCSD % Rec



Chain of Custody

Work Order No.: 1007469

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) 595-3443 Lubbock, TX (806) 794-1296

| | | | |
|------------------|----------------------|-------------------------|---|
| Project Manager: | Nick Casten | Bill to: (if different) | Gina Blair-Apinvoices-340@ghd.com |
| Company Name: | GHD | Company Name: | GHD Services Inc. - 340 |
| Address: | 2135 S Loop 250 West | Address: | 2055 Niagara Falls Blvd. |
| City, State ZIP: | Midland, TX 79703 | City, State ZIP: | Niagara Falls, NY 14304 |
| Phone: | 225-292-9007 | Email: | Nick.Casten@ghd.com & Christopher.Knight@ghd.com & Brittany.White@ghd.com & edits@ghd.com |

| | | | | |
|-----------------------|---|--|------------------|------------------|
| Project Name: | Dollardhde | Turn Around | ANALYSIS REQUEST | Work Order Notes |
| Project Number: | 55270 | Routine <input type="checkbox"/> | | |
| PO. Number: | | Rush: <input type="checkbox"/> | | |
| Sampler's Name: | Rick Loring | Due Date: | | |
| SAMPLE RECEIPT | Temp Blank: Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> | Wet Ice: Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> | | |
| Temperature (°C): | 23.19 | Thermometer ID: J2-E | | |
| Received Intact: | Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> | Correction Factor: -0.4 | | |
| Cooler Custody Seals: | Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> | Total Containers: | | |
| Sample Custody Seals: | Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> | | | |

| Sample Identification | Matrix | Date Sampled | Time Sampled | Depth | Number of Containers | | Chlorides | TDS | TAT starts the day received by the lab, if received by 4:30pm | Sample Comments |
|-----------------------|--------|--------------|--------------|-------|----------------------|---|-----------|-----|---|-----------------|
| | | | | | 1 | X | | | | |
| NM-MW-11-W-201007 | GW | 10/10/10 | 10:00 | 1 | X | X | | | | |
| NM-MW-11-W-201007 | GW | 10/10/10 | 10:30 | 1 | | | | | | |
| NM-MW-11-W-201007 | GW | 10/10/10 | 10:45 | 1 | | | | | | |
| NM-MW-11-W-201007 | GW | 10/10/10 | 11:00 | 1 | | | | | | |
| NM-MW-11-W-201007 | GW | 10/10/10 | 11:45 | 1 | | | | | | |
| NM-MW-11-W-201007 | GW | 10/10/10 | 12:15 | 1 | | | | | | |
| NM-MW-11-W-201007 | GW | 10/10/10 | 12:45 | 1 | | | | | | |
| NM-MW-11-W-201007 | GW | 10/10/10 | 13:30 | 1 | | | | | | |
| NM-MW-11-W-201007 | GW | 10/10/10 | 13:45 | 1 | | | | | | |
| NM-MW-11-W-201007 | GW | 10/10/10 | 14:15 | 1 | | | | | | |

Total 200.7 / 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 Ti 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 Ti U

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 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.

Received by: OCDB 4/25/2010 10:45 AM
Relinquished by: (Signature) Rick Loring Received by: (Signature) John H. Cole Date/Time 2
5

Received by: OCDB 4/25/2010 10:45 AM
Relinquished by: (Signature) Rick Loring Received by: (Signature) John H. Cole Date/Time 4
5

Eurofins Xenco, LLC
Prelogin/Nonconformance Report- Sample Log-In

Client: GHD Services, INC- Midland

Acceptable Temperature Range: 0 - 6 degC

Date/ Time Received: 07.10.2020 04.05.00 PM

Air and Metal samples Acceptable Range: Ambient

Work Order #: 667969

Temperature Measuring device used : IR8

| Sample Receipt Checklist | Comments |
|---|----------|
| #1 *Temperature of cooler(s)? | 1.9 |
| #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)? | N/A |
| #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:

PH Device/Lot#:

Checklist completed by:

Jessica Kramer
 Jessica Kramer

Date: 07.23.2020

Checklist reviewed by:

Debbie Simmons
 Debbie Simmons

Date: 08.01.2020

Certificate of Analysis Summary 674762

GHD Services, INC- Midland, Midland, TX

Project Name: Dollarhide

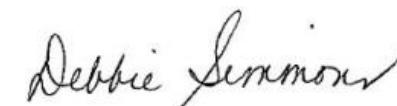
Project Id: 055270
Contact: Nick Casten
Project Location: New Mexico

Date Received in Lab: Fri 10.09.2020 10:19
Report Date: 10.29.2020 14:56
Project Manager: Debbie Simmons

| Analysis Requested | Lab Id: <i>Field Id:</i> <i>Depth:</i> Matrix: Sampled: | 674762-001 NM-MW-6-W-200710 | 674762-002 NM-MW-5-W-200710 | 674762-003 NM-MW-2-W-200710 | 674762-004 NM-MW-1-W-200710 | 674762-005 NM-MW-3-W-200710 | 674762-006 NM-MW-7-W-200710 |
|--|--|---|---|---|---|---|---|
| Inorganic Anions by EPA 300/300.1 | Extracted: <i>Analyzed:</i> Units/RL: | 10.09.2020 17:50 10.09.2020 20:19 mg/L RL | 10.09.2020 17:50 10.09.2020 20:27 mg/L RL | 10.09.2020 17:50 10.09.2020 20:34 mg/L RL | 10.09.2020 17:50 10.09.2020 20:42 mg/L RL | 10.09.2020 17:50 10.09.2020 21:04 mg/L RL | 10.09.2020 17:50 10.09.2020 21:11 mg/L RL |
| Chloride | | 147 2.50 | 155 5.00 | 706 5.00 | 288 5.00 | 253 2.50 | 2270 25.0 |
| TDS by SM2540C | Extracted: <i>Analyzed:</i> Units/RL: | 10.09.2020 17:30 mg/L RL |
| Total Dissolved Solids | | 826 5.00 | 1330 5.00 | 1370 5.00 | 1450 5.00 | 731 5.00 | 4860 5.00 |

BRL - Below Reporting Limit

Houston - Dallas - Midland - Tampa - Phoenix - Lubbock - San Antonio - El Paso - Atlanta - New Mexico



Certificate of Analysis Summary 674762

GHD Services, INC- Midland, Midland, TX

Project Name: Dollarhide

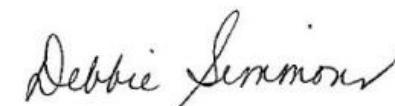
Project Id: 055270
Contact: Nick Casten
Project Location: New Mexico

Date Received in Lab: Fri 10.09.2020 10:19
Report Date: 10.29.2020 14:56
Project Manager: Debbie Simmons

| Analysis Requested | Lab Id: Field Id: Depth: Matrix: Sampled: | 674762-007 RRR Ranch Windmill-W- GROUND WATER 10.07.2020 15:00 | 674762-008 NM-MW-4-W-200710 GROUND WATER 10.07.2020 15:30 | 674762-009 NM-MW-8-W-200710 GROUND WATER 10.07.2020 16:00 | 674762-010 NM-MW-9-W-200810 GROUND WATER 10.08.2020 10:15 | 674762-011 NM-MW-14-W-200810 GROUND WATER 10.08.2020 10:45 | 674762-012 Wilson Ranch Well-W-20 GROUND WATER 10.08.2020 13:15 |
|---------------------------|--|---|--|--|--|---|--|
| TDS by SM2540C | Extracted: Analyzed: Units/RL: | 10.09.2020 17:30 mg/L RL | 10.09.2020 17:30 mg/L RL | 10.09.2020 17:30 mg/L RL | 10.09.2020 17:30 mg/L RL | 10.09.2020 17:30 mg/L RL | 10.09.2020 17:30 mg/L RL |
| Total Dissolved Solids | | 4110 5.00 | 431 5.00 | 11100 5.00 | 811 5.00 | 465 5.00 | 1710 5.00 |

BRL - Below Reporting Limit

Houston - Dallas - Midland - Tampa - Phoenix - Lubbock - San Antonio - El Paso - Atlanta - New Mexico



Certificate of Analysis Summary 674762

GHD Services, INC- Midland, Midland, TX

Project Name: Dollarhide

Project Id: 055270

Date Received in Lab: Fri 10.09.2020 10:19

Contact: Nick Casten

Report Date: 10.29.2020 14:56

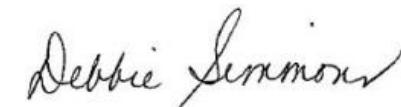
Project Location: New Mexico

Project Manager: Debbie Simmons

| Analysis Requested | Lab Id: 674762-007 | Field Id: RRR Ranch Windmill-W- | 674762-008 NM-MW-4-W-200710 | 674762-009 NM-MW-8-W-200710 | 674762-010 NM-MW-9-W-200810 | 674762-011 NM-MW-14-W-200810 | 674762-012 Wilson Ranch Well-W-20 |
|--|---------------------------------------|---|---------------------------------------|---------------------------------------|---------------------------------------|--|---|
| | Depth: | | | | | | |
| | Matrix: | GROUND WATER | GROUND WATER | GROUND WATER | GROUND WATER | GROUND WATER | GROUND WATER |
| | Sampled: | 10.07.2020 15:00 | 10.07.2020 15:30 | 10.07.2020 16:00 | 10.08.2020 10:15 | 10.08.2020 10:45 | 10.08.2020 13:15 |
| Inorganic Anions by EPA 300/300.1 | Extracted: 10.09.2020 17:50 | 10.09.2020 17:50 | 10.09.2020 17:50 | 10.09.2020 17:50 | 10.09.2020 17:50 | 10.09.2020 17:50 | 10.09.2020 17:50 |
| | Analyzed: 10.09.2020 21:19 | mg/L | RL | mg/L | RL | mg/L | RL |
| | Units/RL: | | | | | | |
| Chloride | | 1960 | 25.0 | 47.7 | 2.50 | 6370 | 25.0 |
| | | | | | | 256 | 5.00 |
| | | | | | | 26.4 | 2.50 |
| | | | | | | 784 | 10.0 |

BRL - Below Reporting Limit

Houston - Dallas - Midland - Tampa - Phoenix - Lubbock - San Antonio - El Paso - Atlanta - New Mexico



Certificate of Analysis Summary 674762

GHD Services, INC- Midland, Midland, TX

Project Name: Dollarhide

Project Id: 055270
Contact: Nick Casten
Project Location: New Mexico

Date Received in Lab: Fri 10.09.2020 10:19
Report Date: 10.29.2020 14:56
Project Manager: Debbie Simmons

| | | | | | | |
|---------------------------|--|---------------------------------|------------------------------|------------------------------|--|--|
| Analysis Requested | Lab Id: 674762-013 Field Id: Smith Residence-W-2008 Depth: Matrix: GROUND WATER Sampled: 10.08.2020 14:15 | 674762-014 NM-MW-10-W-200810 | 674762-015 MW-29-W-200810 | 674762-016 MW-28-W-200810 | | |
| TDS by SM2540C | Extracted: Analyzed: 10.09.2020 17:30 Units/RL: mg/L RL | 10.09.2020 17:30 mg/L RL | 10.09.2020 17:30 mg/L RL | 10.09.2020 17:30 mg/L RL | | |
| Total Dissolved Solids | 1570 5.00 | 1720 5.00 | 1460 5.00 | 8160 5.00 | | |

BRL - Below Reporting Limit

Houston - Dallas - Midland - Tampa - Phoenix - Lubbock - San Antonio - El Paso - Atlanta - New Mexico



Certificate of Analysis Summary 674762

GHD Services, INC- Midland, Midland, TX

Project Name: Dollarhide

Project Id: 055270
Contact: Nick Casten
Project Location: New Mexico

Date Received in Lab: Fri 10.09.2020 10:19
Report Date: 10.29.2020 14:56
Project Manager: Debbie Simmons

| | | | | | | | |
|--|-------------------|------------------------|-------------------|------------------|------------------|------|------|
| Analysis Requested | Lab Id: | 674762-013 | 674762-014 | 674762-015 | 674762-016 | | |
| | Field Id: | Smith Residence-W-2008 | NM-MW-10-W-200810 | MW-29-W-200810 | MW-28-W-200810 | | |
| | Depth: | | | | | | |
| | Matrix: | GROUND WATER | GROUND WATER | GROUND WATER | GROUND WATER | | |
| | Sampled: | 10.08.2020 14:15 | 10.08.2020 14:45 | 10.08.2020 18:15 | 10.08.2020 17:45 | | |
| Inorganic Anions by EPA 300/300.1 | Extracted: | 10.09.2020 17:50 | 10.09.2020 17:50 | 10.12.2020 14:00 | 10.12.2020 14:00 | | |
| | Analyzed: | 10.09.2020 22:41 | 10.09.2020 22:49 | 10.12.2020 17:29 | 10.12.2020 17:36 | | |
| | Units/RL: | mg/L | RL | mg/L | RL | mg/L | RL |
| Chloride | | 753 | 5.00 | 366 | 5.00 | 637 | 5.00 |
| | | | | | | 3780 | 25.0 |

BRL - Below Reporting Limit

Houston - Dallas - Midland - Tampa - Phoenix - Lubbock - San Antonio - El Paso - Atlanta - New Mexico



Analytical Report 674762

for

GHD Services, INC- Midland

Project Manager: Nick Casten

Dollarhide

055270

10.29.2020

Collected By: Client



**1211 W. Florida Ave
Midland TX 79701**

Xenco-Houston (EPA Lab Code: TX00122):
Texas (T104704215-20-38), Arizona (AZ0765), Florida (E871002-33), Louisiana (03054)
Oklahoma (2020-014), North Carolina (681), Arkansas (20-035-0)

Xenco-Dallas (EPA Lab Code: TX01468):
Texas (T104704295-20-26), Arizona (AZ0809)

Xenco-El Paso (EPA Lab Code: TX00127): Texas (T104704221-20-18)
Xenco-Lubbock (EPA Lab Code: TX00139): Texas (T104704219-20-23)
Xenco-Midland (EPA Lab Code: TX00158): Texas (T104704400-19-21)
Xenco-Carlsbad (LELAP): Louisiana (05092)
Xenco-San Antonio (EPA Lab Code: TNI02385): Texas (T104704534-20-8)
Xenco-Tampa: Florida (E87429), North Carolina (483)



10.29.2020

Project Manager: **Nick Casten**

GHD Services, INC- Midland

2135 S Loop 250 W
Midland, TX 79703

Reference: Eurofins Xenco, LLC Report No(s): **674762**

Dollarhide

Project Address: New Mexico

Nick Casten:

We are reporting to you the results of the analyses performed on the samples received under the project name referenced above and identified with the Eurofins Xenco, LLC Report Number(s) 674762. All results being reported under this Report Number apply to the samples analyzed and properly identified with a Laboratory ID number. Subcontracted analyses are identified in this report with either the NELAC certification number of the subcontract lab in the analyst ID field, or the complete subcontracted report attached to this report.

Unless otherwise noted in a Case Narrative, all data reported in this Analytical Report are in compliance with NELAC standards. The uncertainty of measurement associated with the results of analysis reported is available upon request. Should insufficient sample be provided to the laboratory to meet the method and NELAC Matrix Duplicate and Matrix Spike requirements, then the data will be analyzed, evaluated and reported using all other available quality control measures.

The validity and integrity of this report will remain intact as long as it is accompanied by this letter and reproduced in full, unless written approval is granted by Eurofins Xenco, LLC. This report will be filed for at least 5 years in our archives after which time it will be destroyed without further notice, unless otherwise arranged with you. The samples received, and described as recorded in Report No. 674762 will be filed for 45 days, and after that time they will be properly disposed without further notice, unless otherwise arranged with you. We reserve the right to return to you any unused samples, extracts or solutions related to them if we consider so necessary (e.g., samples identified as hazardous waste, sample sizes exceeding analytical standard practices, controlled substances under regulated protocols, etc).

We thank you for selecting Eurofins Xenco, LLC to serve your analytical needs. If you have any questions concerning this report, please feel free to contact us at any time.

Respectfully,

A handwritten signature in black ink that reads "Debbie Simmons".

Debbie Simmons

Project Manager

A Small Business and Minority Company

Houston - Dallas - Midland - Tampa - Phoenix - Lubbock - San Antonio - El Paso - Atlanta - New Mexico

Sample Cross Reference 674762**GHD Services, INC- Midland, Midland, TX**

Dollarhide

| Sample Id | Matrix | Date Collected | Sample Depth | Lab Sample Id |
|-----------------------------|---------------|-----------------------|---------------------|----------------------|
| NM-MW-6-W-200710 | W | 10.07.2020 12:00 | | 674762-001 |
| NM-MW-5-W-200710 | W | 10.07.2020 12:30 | | 674762-002 |
| NM-MW-2-W-200710 | W | 10.07.2020 13:30 | | 674762-003 |
| NM-MW-1-W-200710 | W | 10.07.2020 13:00 | | 674762-004 |
| NM-MW-3-W-200710 | W | 10.07.2020 14:00 | | 674762-005 |
| NM-MW-7-W-200710 | W | 10.07.2020 14:30 | | 674762-006 |
| RRR Ranch Windmill-W-200710 | W | 10.07.2020 15:00 | | 674762-007 |
| NM-MW-4-W-200710 | W | 10.07.2020 15:30 | | 674762-008 |
| NM-MW-8-W-200710 | W | 10.07.2020 16:00 | | 674762-009 |
| NM-MW-9-W-200810 | W | 10.08.2020 10:15 | | 674762-010 |
| NM-MW-14-W-200810 | W | 10.08.2020 10:45 | | 674762-011 |
| Wilson Ranch Well-W-200810 | W | 10.08.2020 13:15 | | 674762-012 |
| Smith Residence-W-200810 | W | 10.08.2020 14:15 | | 674762-013 |
| NM-MW-10-W-200810 | W | 10.08.2020 14:45 | | 674762-014 |
| MW-29-W-200810 | W | 10.08.2020 18:15 | | 674762-015 |
| MW-28-W-200810 | W | 10.08.2020 17:45 | | 674762-016 |



CASE NARRATIVE

Client Name: GHD Services, INC- Midland
Project Name: Dollarhide

Project ID: 055270
Work Order Number(s): 674762

Report Date: 10.29.2020
Date Received: 10.09.2020

Sample receipt non conformances and comments:

10.29-20: report revised to correct IDs per Matt Laughin's instruction the the lab as year-date-month.
Also samples MW-28 and MW-29 received not on COC were added to this work order as 674762-015
and 674762-016.

Sample receipt non conformances and comments per sample:

None

Certificate of Analytical Results 674762

GHD Services, INC- Midland, Midland, TX

Dollarhide

Sample Id: **NM-MW-6-W-200710** Matrix: Ground Water Date Received: 10.09.2020 10:19
 Lab Sample Id: 674762-001 Date Collected: 10.07.2020 12:00

Analytical Method: Inorganic Anions by EPA 300/300.1 Prep Method: E300P

Tech: SPC

Analyst: SPC

Seq Number: 3139421

Date Prep: 10.09.2020 17:50

% Moisture:

| Parameter | Cas Number | Result | RL | MDL | Units | Analysis Date | Flag | Dil |
|-----------|------------|--------|------|-------|-------|------------------|------|-----|
| Chloride | 16887-00-6 | 147 | 2.50 | 0.105 | mg/L | 10.09.2020 20:19 | | 5 |

Analytical Method: TDS by SM2540C

Tech: SPC

Analyst: SPC

Seq Number: 3139425

% Moisture:

| Parameter | Cas Number | Result | RL | MDL | Units | Analysis Date | Flag | Dil |
|------------------------|------------|--------|------|------|-------|------------------|------|-----|
| Total Dissolved Solids | 1642222 | 826 | 5.00 | 5.00 | mg/L | 10.09.2020 17:30 | | 1 |

Certificate of Analytical Results 674762

GHD Services, INC- Midland, Midland, TX

Dollarhide

Sample Id: **NM-MW-5-W-200710** Matrix: Ground Water Date Received: 10.09.2020 10:19
 Lab Sample Id: 674762-002 Date Collected: 10.07.2020 12:30

Analytical Method: Inorganic Anions by EPA 300/300.1 Prep Method: E300P

Tech: SPC

Analyst: SPC

Seq Number: 3139421

Date Prep: 10.09.2020 17:50

% Moisture:

| Parameter | Cas Number | Result | RL | MDL | Units | Analysis Date | Flag | Dil |
|-----------|------------|--------|------|-------|-------|------------------|------|-----|
| Chloride | 16887-00-6 | 155 | 5.00 | 0.210 | mg/L | 10.09.2020 20:27 | | 10 |

Analytical Method: TDS by SM2540C

Tech: SPC

Analyst: SPC

Seq Number: 3139425

% Moisture:

| Parameter | Cas Number | Result | RL | MDL | Units | Analysis Date | Flag | Dil |
|------------------------|------------|--------|------|------|-------|------------------|------|-----|
| Total Dissolved Solids | 1642222 | 1330 | 5.00 | 5.00 | mg/L | 10.09.2020 17:30 | | 1 |

Certificate of Analytical Results 674762

GHD Services, INC- Midland, Midland, TX

Dollarhide

Sample Id: **NM-MW-2-W-200710** Matrix: Ground Water Date Received: 10.09.2020 10:19
 Lab Sample Id: 674762-003 Date Collected: 10.07.2020 13:30

Analytical Method: Inorganic Anions by EPA 300/300.1 Prep Method: E300P

Tech: SPC

Analyst: SPC

Seq Number: 3139421

Date Prep: 10.09.2020 17:50

% Moisture:

| Parameter | Cas Number | Result | RL | MDL | Units | Analysis Date | Flag | Dil |
|-----------|------------|--------|------|-------|-------|------------------|------|-----|
| Chloride | 16887-00-6 | 706 | 5.00 | 0.210 | mg/L | 10.09.2020 20:34 | | 10 |

Analytical Method: TDS by SM2540C

Tech: SPC

Analyst: SPC

Seq Number: 3139425

% Moisture:

| Parameter | Cas Number | Result | RL | MDL | Units | Analysis Date | Flag | Dil |
|------------------------|------------|--------|------|------|-------|------------------|------|-----|
| Total Dissolved Solids | 1642222 | 1370 | 5.00 | 5.00 | mg/L | 10.09.2020 17:30 | | 1 |

Certificate of Analytical Results 674762

GHD Services, INC- Midland, Midland, TX

Dollarhide

Sample Id: **NM-MW-1-W-200710** Matrix: Ground Water Date Received: 10.09.2020 10:19
 Lab Sample Id: 674762-004 Date Collected: 10.07.2020 13:00

Analytical Method: Inorganic Anions by EPA 300/300.1 Prep Method: E300P

Tech: SPC

Analyst: SPC

Seq Number: 3139421

Date Prep: 10.09.2020 17:50

% Moisture:

| Parameter | Cas Number | Result | RL | MDL | Units | Analysis Date | Flag | Dil |
|-----------|------------|--------|------|-------|-------|------------------|------|-----|
| Chloride | 16887-00-6 | 288 | 5.00 | 0.210 | mg/L | 10.09.2020 20:42 | | 10 |

Analytical Method: TDS by SM2540C

Tech: SPC

Analyst: SPC

Seq Number: 3139425

% Moisture:

| Parameter | Cas Number | Result | RL | MDL | Units | Analysis Date | Flag | Dil |
|------------------------|------------|--------|------|------|-------|------------------|------|-----|
| Total Dissolved Solids | 1642222 | 1450 | 5.00 | 5.00 | mg/L | 10.09.2020 17:30 | | 1 |

Certificate of Analytical Results 674762

GHD Services, INC- Midland, Midland, TX

Dollarhide

Sample Id: **NM-MW-3-W-200710** Matrix: Ground Water Date Received: 10.09.2020 10:19
 Lab Sample Id: 674762-005 Date Collected: 10.07.2020 14:00

Analytical Method: Inorganic Anions by EPA 300/300.1 Prep Method: E300P

Tech: SPC

Analyst: SPC

Seq Number: 3139421

Date Prep: 10.09.2020 17:50

% Moisture:

| Parameter | Cas Number | Result | RL | MDL | Units | Analysis Date | Flag | Dil |
|-----------|------------|--------|------|-------|-------|------------------|------|-----|
| Chloride | 16887-00-6 | 253 | 2.50 | 0.105 | mg/L | 10.09.2020 21:04 | | 5 |

Analytical Method: TDS by SM2540C

Tech: SPC

Analyst: SPC

Seq Number: 3139425

% Moisture:

| Parameter | Cas Number | Result | RL | MDL | Units | Analysis Date | Flag | Dil |
|------------------------|------------|--------|------|------|-------|------------------|------|-----|
| Total Dissolved Solids | 1642222 | 731 | 5.00 | 5.00 | mg/L | 10.09.2020 17:30 | | 1 |

Certificate of Analytical Results 674762

GHD Services, INC- Midland, Midland, TX

Dollarhide

Sample Id: **NM-MW-7-W-200710** Matrix: Ground Water Date Received: 10.09.2020 10:19
 Lab Sample Id: 674762-006 Date Collected: 10.07.2020 14:30

Analytical Method: Inorganic Anions by EPA 300/300.1 Prep Method: E300P

Tech: SPC

Analyst: SPC

Seq Number: 3139421

Date Prep: 10.09.2020 17:50

% Moisture:

| Parameter | Cas Number | Result | RL | MDL | Units | Analysis Date | Flag | Dil |
|-----------|------------|--------|------|------|-------|------------------|------|-----|
| Chloride | 16887-00-6 | 2270 | 25.0 | 1.05 | mg/L | 10.09.2020 21:11 | | 50 |

Analytical Method: TDS by SM2540C

Tech: SPC

Analyst: SPC

Seq Number: 3139425

% Moisture:

| Parameter | Cas Number | Result | RL | MDL | Units | Analysis Date | Flag | Dil |
|------------------------|------------|--------|------|------|-------|------------------|------|-----|
| Total Dissolved Solids | 1642222 | 4860 | 5.00 | 5.00 | mg/L | 10.09.2020 17:30 | | 1 |

Certificate of Analytical Results 674762

GHD Services, INC- Midland, Midland, TX

Dollarhide

Sample Id: **RRR Ranch Windmill-W-200710** Matrix: Ground Water Date Received: 10.09.2020 10:19
 Lab Sample Id: 674762-007 Date Collected: 10.07.2020 15:00

Analytical Method: Inorganic Anions by EPA 300/300.1 Prep Method: E300P

Tech: SPC

Analyst: SPC

Seq Number: 3139421

Date Prep: 10.09.2020 17:50

% Moisture:

| Parameter | Cas Number | Result | RL | MDL | Units | Analysis Date | Flag | Dil |
|-----------|------------|--------|------|------|-------|------------------|------|-----|
| Chloride | 16887-00-6 | 1960 | 25.0 | 1.05 | mg/L | 10.09.2020 21:19 | | 50 |

Analytical Method: TDS by SM2540C

Tech: SPC

Analyst: SPC

Seq Number: 3139425

% Moisture:

| Parameter | Cas Number | Result | RL | MDL | Units | Analysis Date | Flag | Dil |
|------------------------|------------|--------|------|------|-------|------------------|------|-----|
| Total Dissolved Solids | 1642222 | 4110 | 5.00 | 5.00 | mg/L | 10.09.2020 17:30 | | 1 |

Certificate of Analytical Results 674762

GHD Services, INC- Midland, Midland, TX

Dollarhide

Sample Id: **NM-MW-4-W-200710** Matrix: Ground Water Date Received: 10.09.2020 10:19
 Lab Sample Id: 674762-008 Date Collected: 10.07.2020 15:30

Analytical Method: Inorganic Anions by EPA 300/300.1 Prep Method: E300P

Tech: SPC

Analyst: SPC

Seq Number: 3139421

Date Prep: 10.09.2020 17:50

% Moisture:

| Parameter | Cas Number | Result | RL | MDL | Units | Analysis Date | Flag | Dil |
|-----------|------------|--------|------|-------|-------|------------------|------|-----|
| Chloride | 16887-00-6 | 47.7 | 2.50 | 0.105 | mg/L | 10.09.2020 21:26 | | 5 |

Analytical Method: TDS by SM2540C

Tech: SPC

Analyst: SPC

Seq Number: 3139425

% Moisture:

| Parameter | Cas Number | Result | RL | MDL | Units | Analysis Date | Flag | Dil |
|------------------------|------------|--------|------|------|-------|------------------|------|-----|
| Total Dissolved Solids | 1642222 | 431 | 5.00 | 5.00 | mg/L | 10.09.2020 17:30 | | 1 |

Certificate of Analytical Results 674762

GHD Services, INC- Midland, Midland, TX

Dollarhide

Sample Id: **NM-MW-8-W-200710** Matrix: Ground Water Date Received: 10.09.2020 10:19
 Lab Sample Id: 674762-009 Date Collected: 10.07.2020 16:00

Analytical Method: Inorganic Anions by EPA 300/300.1 Prep Method: E300P

Tech: SPC

Analyst: SPC

Seq Number: 3139421

Date Prep: 10.09.2020 17:50

% Moisture:

| Parameter | Cas Number | Result | RL | MDL | Units | Analysis Date | Flag | Dil |
|-----------|------------|-------------|------|------|-------|------------------|------|-----|
| Chloride | 16887-00-6 | 6370 | 25.0 | 1.05 | mg/L | 10.09.2020 21:34 | | 50 |

Analytical Method: TDS by SM2540C

Tech: SPC

Analyst: SPC

Seq Number: 3139425

% Moisture:

| Parameter | Cas Number | Result | RL | MDL | Units | Analysis Date | Flag | Dil |
|------------------------|------------|--------------|------|------|-------|------------------|------|-----|
| Total Dissolved Solids | 1642222 | 11100 | 5.00 | 5.00 | mg/L | 10.09.2020 17:30 | | 1 |

Certificate of Analytical Results 674762

GHD Services, INC- Midland, Midland, TX

Dollarhide

Sample Id: **NM-MW-9-W-200810** Matrix: Ground Water Date Received: 10.09.2020 10:19
 Lab Sample Id: 674762-010 Date Collected: 10.08.2020 10:15

Analytical Method: Inorganic Anions by EPA 300/300.1 Prep Method: E300P

Tech: SPC

Analyst: SPC

Seq Number: 3139421

Date Prep: 10.09.2020 17:50

% Moisture:

| Parameter | Cas Number | Result | RL | MDL | Units | Analysis Date | Flag | Dil |
|-----------|------------|--------|------|-------|-------|------------------|------|-----|
| Chloride | 16887-00-6 | 256 | 5.00 | 0.210 | mg/L | 10.09.2020 22:04 | | 10 |

Analytical Method: TDS by SM2540C

Tech: SPC

Analyst: SPC

Seq Number: 3139425

% Moisture:

| Parameter | Cas Number | Result | RL | MDL | Units | Analysis Date | Flag | Dil |
|------------------------|------------|--------|------|------|-------|------------------|------|-----|
| Total Dissolved Solids | 1642222 | 811 | 5.00 | 5.00 | mg/L | 10.09.2020 17:30 | | 1 |

Certificate of Analytical Results 674762

GHD Services, INC- Midland, Midland, TX

Dollarhide

Sample Id: **NM-MW-14-W-200810** Matrix: Ground Water Date Received: 10.09.2020 10:19
 Lab Sample Id: 674762-011 Date Collected: 10.08.2020 10:45

Analytical Method: Inorganic Anions by EPA 300/300.1 Prep Method: E300P

Tech: SPC

Analyst: SPC

Seq Number: 3139421

Date Prep: 10.09.2020 17:50

% Moisture:

| Parameter | Cas Number | Result | RL | MDL | Units | Analysis Date | Flag | Dil |
|-----------|------------|--------|------|-------|-------|------------------|------|-----|
| Chloride | 16887-00-6 | 26.4 | 2.50 | 0.105 | mg/L | 10.09.2020 22:11 | | 5 |

Analytical Method: TDS by SM2540C

Tech: SPC

Analyst: SPC

Seq Number: 3139425

% Moisture:

| Parameter | Cas Number | Result | RL | MDL | Units | Analysis Date | Flag | Dil |
|------------------------|------------|--------|------|------|-------|------------------|------|-----|
| Total Dissolved Solids | 1642222 | 465 | 5.00 | 5.00 | mg/L | 10.09.2020 17:30 | | 1 |

Certificate of Analytical Results 674762

GHD Services, INC- Midland, Midland, TX

Dollarhide

Sample Id: **Wilson Ranch Well-W-200810** Matrix: Ground Water Date Received: 10.09.2020 10:19
 Lab Sample Id: 674762-012 Date Collected: 10.08.2020 13:15

Analytical Method: Inorganic Anions by EPA 300/300.1 Prep Method: E300P

Tech: SPC

Analyst: SPC

Seq Number: 3139421

Date Prep: 10.09.2020 17:50

% Moisture:

| Parameter | Cas Number | Result | RL | MDL | Units | Analysis Date | Flag | Dil |
|-----------|------------|--------|------|-------|-------|------------------|------|-----|
| Chloride | 16887-00-6 | 784 | 10.0 | 0.421 | mg/L | 10.09.2020 22:34 | | 20 |

Analytical Method: TDS by SM2540C

Tech: SPC

Analyst: SPC

Seq Number: 3139425

% Moisture:

| Parameter | Cas Number | Result | RL | MDL | Units | Analysis Date | Flag | Dil |
|------------------------|------------|--------|------|------|-------|------------------|------|-----|
| Total Dissolved Solids | 1642222 | 1710 | 5.00 | 5.00 | mg/L | 10.09.2020 17:30 | | 1 |

Certificate of Analytical Results 674762

GHD Services, INC- Midland, Midland, TX

Dollarhide

Sample Id: **Smith Residence-W-200810** Matrix: Ground Water Date Received: 10.09.2020 10:19
 Lab Sample Id: 674762-013 Date Collected: 10.08.2020 14:15

Analytical Method: Inorganic Anions by EPA 300/300.1 Prep Method: E300P

Tech: SPC

Analyst: SPC

Seq Number: 3139421

Date Prep: 10.09.2020 17:50

% Moisture:

| Parameter | Cas Number | Result | RL | MDL | Units | Analysis Date | Flag | Dil |
|-----------|------------|--------|------|-------|-------|------------------|------|-----|
| Chloride | 16887-00-6 | 753 | 5.00 | 0.210 | mg/L | 10.09.2020 22:41 | | 10 |

Analytical Method: TDS by SM2540C

Tech: SPC

Analyst: SPC

Seq Number: 3139425

% Moisture:

| Parameter | Cas Number | Result | RL | MDL | Units | Analysis Date | Flag | Dil |
|------------------------|------------|--------|------|------|-------|------------------|------|-----|
| Total Dissolved Solids | 1642222 | 1570 | 5.00 | 5.00 | mg/L | 10.09.2020 17:30 | | 1 |

Certificate of Analytical Results 674762

GHD Services, INC- Midland, Midland, TX

Dollarhide

Sample Id: **NM-MW-10-W-200810** Matrix: Ground Water Date Received: 10.09.2020 10:19
 Lab Sample Id: 674762-014 Date Collected: 10.08.2020 14:45

Analytical Method: Inorganic Anions by EPA 300/300.1 Prep Method: E300P

Tech: SPC

Analyst: SPC

Seq Number: 3139421

Date Prep: 10.09.2020 17:50

% Moisture:

| Parameter | Cas Number | Result | RL | MDL | Units | Analysis Date | Flag | Dil |
|-----------|------------|--------|------|-------|-------|------------------|------|-----|
| Chloride | 16887-00-6 | 366 | 5.00 | 0.210 | mg/L | 10.09.2020 22:49 | | 10 |

Analytical Method: TDS by SM2540C

Tech: SPC

Analyst: SPC

Seq Number: 3139425

% Moisture:

| Parameter | Cas Number | Result | RL | MDL | Units | Analysis Date | Flag | Dil |
|------------------------|------------|--------|------|------|-------|------------------|------|-----|
| Total Dissolved Solids | 1642222 | 1720 | 5.00 | 5.00 | mg/L | 10.09.2020 17:30 | | 1 |

Certificate of Analytical Results 674762

GHD Services, INC- Midland, Midland, TX

Dollarhide

Sample Id: **MW-29-W-200810** Matrix: Ground Water Date Received: 10.09.2020 10:19
 Lab Sample Id: 674762-015 Date Collected: 10.08.2020 18:15

Analytical Method: Inorganic Anions by EPA 300/300.1 Prep Method: E300P

Tech: SPC

Analyst: SPC

Seq Number: 3139511

Date Prep: 10.12.2020 14:00

% Moisture:

| Parameter | Cas Number | Result | RL | MDL | Units | Analysis Date | Flag | Dil |
|-----------|------------|--------|------|-------|-------|------------------|------|-----|
| Chloride | 16887-00-6 | 637 | 5.00 | 0.210 | mg/L | 10.12.2020 17:29 | | 10 |

Analytical Method: TDS by SM2540C

Tech: SPC

Analyst: SPC

Seq Number: 3139425

% Moisture:

| Parameter | Cas Number | Result | RL | MDL | Units | Analysis Date | Flag | Dil |
|------------------------|------------|--------|------|------|-------|------------------|------|-----|
| Total Dissolved Solids | 1642222 | 1460 | 5.00 | 5.00 | mg/L | 10.09.2020 17:30 | | 1 |

Certificate of Analytical Results 674762

GHD Services, INC- Midland, Midland, TX

Dollarhide

Sample Id: **MW-28-W-200810** Matrix: Ground Water Date Received: 10.09.2020 10:19
 Lab Sample Id: 674762-016 Date Collected: 10.08.2020 17:45

Analytical Method: Inorganic Anions by EPA 300/300.1 Prep Method: E300P

Tech: SPC

Analyst: SPC

Seq Number: 3139511

Date Prep: 10.12.2020 14:00

% Moisture:

| Parameter | Cas Number | Result | RL | MDL | Units | Analysis Date | Flag | Dil |
|-----------|------------|--------|------|------|-------|------------------|------|-----|
| Chloride | 16887-00-6 | 3780 | 25.0 | 1.05 | mg/L | 10.12.2020 17:36 | | 50 |

Analytical Method: TDS by SM2540C

Tech: SPC

Analyst: SPC

Seq Number: 3139425

% Moisture:

| Parameter | Cas Number | Result | RL | MDL | Units | Analysis Date | Flag | Dil |
|------------------------|------------|--------|------|------|-------|------------------|------|-----|
| Total Dissolved Solids | 1642222 | 8160 | 5.00 | 5.00 | mg/L | 10.09.2020 17:30 | | 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. **ND** Not Detected.

RL Reporting Limit

MDL Method Detection Limit **SDL** Sample Detection Limit **LOD** Limit of Detection

PQL Practical Quantitation Limit **MQL** Method Quantitation Limit **LOQ** Limit of Quantitation

DL Method Detection Limit

NC Non-Calculable

SMP Client Sample **BLK** Method Blank

BKS/LCS Blank Spike/Laboratory Control Sample **BKSD/LCSD** Blank Spike Duplicate/Laboratory Control Sample Duplicate

MD/SD Method Duplicate/Sample Duplicate **MS** Matrix Spike **MSD:** Matrix Spike Duplicate

+ NELAC certification not offered for this compound.

* (Next to analyte name or method description) = Outside XENCO's scope of NELAC accreditation



QC Summary 674762

GHD Services, INC- Midland
Dollarhide**Analytical Method:** Inorganic Anions by EPA 300/300.1

| | | | | | | | | | |
|------------------|---------------|------------------------------|------------|----------|-------------|-----------------------|--------|------|---------------|
| Seq Number: | 3139421 | Matrix: Water | | | | Prep Method: E300P | | | |
| MB Sample Id: | 7713004-1-BLK | LCS Sample Id: 7713004-1-BKS | | | | Date Prep: 10.09.2020 | | | |
| Parameter | MB Result | Spike Amount | LCS Result | LCS %Rec | LCSD Result | LCSD %Rec | Limits | %RPD | RPD Limit |
| Chloride | <0.0210 | 25.0 | 27.0 | 108 | 26.9 | 108 | 90-110 | 0 | 20 |
| | | | | | | | | mg/L | Analysis Date |

Analytical Method: Inorganic Anions by EPA 300/300.1

| | | | | | | | | | |
|------------------|---------------|------------------------------|------------|----------|-------------|-----------------------|--------|------|---------------|
| Seq Number: | 3139511 | Matrix: Water | | | | Prep Method: E300P | | | |
| MB Sample Id: | 7713088-1-BLK | LCS Sample Id: 7713088-1-BKS | | | | Date Prep: 10.12.2020 | | | |
| Parameter | MB Result | Spike Amount | LCS Result | LCS %Rec | LCSD Result | LCSD %Rec | Limits | %RPD | RPD Limit |
| Chloride | <0.0210 | 25.0 | 27.3 | 109 | 27.2 | 109 | 90-110 | 0 | 20 |
| | | | | | | | | mg/L | Analysis Date |

Analytical Method: Inorganic Anions by EPA 300/300.1

| | | | | | | | | | |
|-------------------|---------------|----------------------------|-----------|---------|------------|-----------------------|--------|------|---------------|
| Seq Number: | 3139421 | Matrix: Drinking Water | | | | Prep Method: E300P | | | |
| Parent Sample Id: | 674697-001 | MS Sample Id: 674697-001 S | | | | Date Prep: 10.09.2020 | | | |
| Parameter | Parent Result | Spike Amount | MS Result | MS %Rec | MSD Result | MSD %Rec | Limits | %RPD | RPD Limit |
| Chloride | 18.6 | 25.0 | 44.5 | 104 | 44.9 | 105 | 90-110 | 1 | 20 |
| | | | | | | | | mg/L | Analysis Date |

Analytical Method: Inorganic Anions by EPA 300/300.1

| | | | | | | | | | |
|-------------------|---------------|----------------------------|-----------|---------|------------|-----------------------|--------|------|---------------|
| Seq Number: | 3139421 | Matrix: Drinking Water | | | | Prep Method: E300P | | | |
| Parent Sample Id: | 674698-001 | MS Sample Id: 674698-001 S | | | | Date Prep: 10.09.2020 | | | |
| Parameter | Parent Result | Spike Amount | MS Result | MS %Rec | MSD Result | MSD %Rec | Limits | %RPD | RPD Limit |
| Chloride | 19.2 | 25.0 | 45.6 | 106 | 45.5 | 105 | 90-110 | 0 | 20 |
| | | | | | | | | mg/L | Analysis Date |

Analytical Method: Inorganic Anions by EPA 300/300.1

| | | | | | | | | | |
|-------------------|---------------|----------------------------|-----------|---------|------------|-----------------------|--------|------|---------------|
| Seq Number: | 3139511 | Matrix: Ground Water | | | | Prep Method: E300P | | | |
| Parent Sample Id: | 674766-002 | MS Sample Id: 674766-002 S | | | | Date Prep: 10.12.2020 | | | |
| Parameter | Parent Result | Spike Amount | MS Result | MS %Rec | MSD Result | MSD %Rec | Limits | %RPD | RPD Limit |
| Chloride | 201 | 250 | 478 | 111 | 475 | 110 | 90-110 | 1 | 20 |
| | | | | | | | | mg/L | Analysis Date |

Analytical Method: Inorganic Anions by EPA 300/300.1

| | | | | | | | | | |
|-------------------|---------------|----------------------------|-----------|---------|------------|-----------------------|--------|------|---------------|
| Seq Number: | 3139511 | Matrix: Ground Water | | | | Prep Method: E300P | | | |
| Parent Sample Id: | 674767-006 | MS Sample Id: 674767-006 S | | | | Date Prep: 10.12.2020 | | | |
| Parameter | Parent Result | Spike Amount | MS Result | MS %Rec | MSD Result | MSD %Rec | Limits | %RPD | RPD Limit |
| Chloride | 23.0 | 125 | 162 | 111 | 164 | 113 | 90-110 | 1 | 20 |
| | | | | | | | | mg/L | Analysis Date |

MS/MSD Percent Recovery
 Relative Percent Difference
 LCS/LCSD Recovery
 Log Difference

[D] = 100*(C-A) / B
 RPD = 200* | (C-E) / (C+E) |
 [D] = 100 * (C) / [B]
 Log Diff. = Log(Sample Duplicate) - Log(Original Sample)

LCS = Laboratory Control Sample
 A = Parent Result
 C = MS/LCS Result
 E = MSD/LCSD Result

MS = Matrix Spike
 B = Spike Added
 D = MSD/LCSD % Rec

**QC Summary 674762****GHD Services, INC- Midland**
Dollarhide**Analytical Method: TDS by SM2540C**

Seq Number: 3139425

Matrix: Water

MB Sample Id: 3139425-1-BLK

LCS Sample Id: 3139425-1-BKS

LCSD Sample Id: 3139425-1-BSD

| Parameter | MB Result | Spike Amount | LCS Result | LCS %Rec | LCSD Result | LCSD %Rec | Limits | %RPD | RPD Limit | Units | Analysis Date | Flag |
|------------------------|-----------|--------------|------------|----------|-------------|-----------|--------|------|-----------|-------|------------------|------|
| Total Dissolved Solids | <5.00 | 1000 | 991 | 99 | 994 | 99 | 80-120 | 0 | 10 | mg/L | 10.09.2020 17:30 | |

Analytical Method: TDS by SM2540C

Seq Number: 3139425

Matrix: Ground Water

Parent Sample Id: 674762-001

MD Sample Id: 674762-001 D

| Parameter | Parent Result | MD Result | %RPD | RPD Limit | Units | Analysis Date | Flag |
|------------------------|---------------|-----------|------|-----------|-------|------------------|------|
| Total Dissolved Solids | 826 | 825 | 0 | 10 | mg/L | 10.09.2020 17:30 | |

Analytical Method: TDS by SM2540C

Seq Number: 3139425

Matrix: Ground Water

Parent Sample Id: 674762-011

MD Sample Id: 674762-011 D

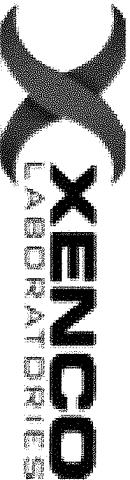
| Parameter | Parent Result | MD Result | %RPD | RPD Limit | Units | Analysis Date | Flag |
|------------------------|---------------|-----------|------|-----------|-------|------------------|------|
| Total Dissolved Solids | 465 | 473 | 2 | 10 | mg/L | 10.09.2020 17:30 | |

MS/MSD Percent Recovery
 Relative Percent Difference
 LCS/LCSD Recovery
 Log Difference

[D] = 100*(C-A) / B
 RPD = 200* | (C-E) / (C+E) |
 [D] = 100 * (C) / [B]
 Log Diff. = Log(Sample Duplicate) - Log(Original Sample)

LCS = Laboratory Control Sample
 A = Parent Result
 C = MS/LCS Result
 E = MSD/LCSD Result

MS = Matrix Spike
 B = Spike Added
 D = MSD/LCSD % Rec



Chain of Custody

Work Order No: 1074762

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) 794-1246
Phoenix, AZ (480) 355-0900 Atlanta, GA (770) 449-8800 Tampa, FL (813) 620-2000) www.xenco.com

Page 1 of 2

| | | | |
|------------------|-----------------------|-------------------------|--|
| Project Manager: | Nick Casten | Bill to: (if different) | Gina Blair- Apinvoices-340@ghd.com |
| Company Name: | GHD | Company Name: | GHD Services Inc.- 340 |
| Address: | 2135 S. Loop 250 West | Address: | 2055 Niagara Falls Blvd. |
| City, State ZIP: | Midland, TX 79703 | City, State ZIP: | Niagara Falls, NY 14304 |
| Phone: | 225-292-9007 | Email: | Nick.Casten@ghd.com & Christopher.Knight@ghd.com & Brittany.White@ghd.com & edds@ghd.com |

| ANALYSIS REQUEST | | | | | | Work Order Notes |
|----------------------------------|--|--|--|--|--|---|
| Project Name: Dollarhide | | | | | | Work Order Comments |
| Project Number: 55270 | | | | | | Program: UST/PST <input type="checkbox"/> PRP <input type="checkbox"/> Brownfields <input type="checkbox"/> RRC <input type="checkbox"/> Superfund <input type="checkbox"/> |
| P.O. Number: 34032659 | | | | | | State of Project: Reporting Level II Level III <input type="checkbox"/> PST/UST <input type="checkbox"/> TRRP <input checked="" type="checkbox"/> Level IV <input type="checkbox"/> |
| Sampler's Name: Matthew Loughlin | | | | | | Deliverables: EDD <input type="checkbox"/> ADAPT <input type="checkbox"/> Other: |

| SAMPLE RECEIPT | Temp Blank: | Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> | Wet Ice: Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> | ANALYSIS REQUEST | | | | TAT starts the day received by the lab, if received by 4:30pm |
|-----------------------|---|---|--|----------------------|-------|-----------|----------------------|---|
| | | | | Routine | Rush: | Due Date: | Number of Containers | |
| Temperature (°C): | 10/11.5 | | | Thermometer ID: 1008 | | | | |
| Received Intact: | Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> | | | | | | | |
| Cooler/Custody Seals: | Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A | | | Correction Factor: | | | | |
| Sample Custody Seals: | Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A | | | Total Containers: | | | | |

| Sample Identification | Matrix | Date Sampled | Time Sampled | Depth | Chlorides | | TDS | Sample Comments |
|----------------------------|--------|--------------|--------------|-------|-----------|-----|-----|-----------------|
| | | | | | Number | TDS | | |
| NM-MW-6-W-200710 | GW | 10/7/20 | 1300 | - | 1 | X X | | |
| NM-MW-5-W-200710 | GW | 10/7/20 | 1230 | - | 1 | X X | | |
| NM-MW-2-W-200710 | GW | 10/7/20 | 1330 | - | 1 | X X | | |
| NM-MW-1-W-200710 | GW | 10/7/20 | 1300 | - | 1 | X X | | |
| NM-MW-3-W-200710 | GW | 10/7/20 | 1300 | - | 1 | X X | | |
| NM-MW-7-W-200710 | GW | 10/7/20 | 1430 | - | 1 | X X | | |
| R.R. Ranch Vista NW-200710 | GW | 10/7/20 | 1500 | - | 1 | X X | | |
| NM-MW-4-W-200720 | GW | 10/7/20 | 1530 | - | 1 | X X | | |
| NM-MW-8-W-200720 | GW | 10/7/20 | 1600 | - | 1 | X X | | |
| NM-MW-9-W-200820 | GW | 10/8/20 | 1015 | - | 1 | X X | | |

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 Ti 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 Ti U

1631 / 2451 / 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



Chain of Custody

Work Order No:

| | | | |
|------------------|-----------------------|-------------------------|---|
| Project Manager: | Nick Casten | Bill to: (if different) | Gina Blair- Apinvoices-340@ghd.com |
| Company Name: | GHD | Company Name: | GHD Services Inc.- 340 |
| Address: | 2135 S. Loop 250 West | Address: | 2055 Niagara Falls Blvd. |
| City, State ZIP: | Midland, TX 79703 | City, State ZIP: | Niagara Falls, NY. 14304 |
| Phone: | 225-292-9007 | Email: | Nick.Casten@ghd.com & Christopher.Knight@gihd.com & Brittany.White@ghd.com & edds@ghd.com |

| | | |
|---|----------------------|---------------------------|
| 3-620-2000) | <u>www.xenco.com</u> | Page <u>2</u> of <u>2</u> |
| Work Order Comments | | |
| <p>Program: UST/PST <input type="checkbox"/> PRP <input type="checkbox"/> Brownfields <input type="checkbox"/> RRC <input type="checkbox"/> Superfund <input type="checkbox"/></p> <p>State of Project:</p> <p>Reporting Level II Level III <input type="checkbox"/> PST/UST <input type="checkbox"/> TRRP <input checked="" type="checkbox"/> Level IV <input type="checkbox"/></p> <p>Deliverables: EDD <input type="checkbox"/> ADAPT <input type="checkbox"/> Other: _____</p> | | |

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 \$5.00 for each sample submitted to Xenco, but not analyzed. These terms will be enforced unless previously negotiated.

Eurofins Xenco, LLC
Prelogin/Nonconformance Report- Sample Log-In

Client: GHD Services, INC- Midland**Date/ Time Received:** 10.09.2020 10.19.00 AM**Work Order #:** 674762

Acceptable Temperature Range: 0 - 6 degC
 Air and Metal samples Acceptable Range: Ambient
 Temperature Measuring device used : IR8

| Sample Receipt Checklist | Comments |
|--|-----------------|
| #1 *Temperature of cooler(s)? | 1.5 |
| #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? | Yes |
| #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)? | N/A |
| #18 Water VOC samples have zero headspace? | N/A |
| MW-28 and MW-29 received in cooler, not on COC. Per Liz analyze these for TDS and Chlorides. | |

* Must be completed for after-hours delivery of samples prior to placing in the refrigerator

Analyst: AJA

PH Device/Lot#: 10BDH1991

Checklist completed by:

 Brianna Teel

Date: 10.09.2020

Checklist reviewed by:

 Debbie Simmons

Date: 10.12.2020

Certificate of Analysis Summary 674766

GHD Services, INC- Midland, Midland, TX

Project Name: Dollarhide

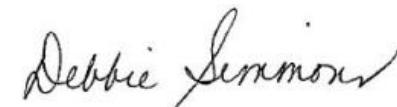
Project Id: 055270
Contact: Nick Casten
Project Location: New Mexico

Date Received in Lab: Fri 10.09.2020 10:19
Report Date: 10.22.2020 17:33
Project Manager: Debbie Simmons

| | | | | | | | | | | | | | | | | | | | | | | |
|--|--|---------------------------------------|--------------------------------------|-------------------------------|---------------------------------------|--------------------------------------|------------------------------|---------------------------------------|--------------------------------------|--------------------------------|---------------------------------------|--------------------------------------|----------------------------------|---------------------------------------|--------------------------------------|-------------------------------------|---------------------------------------|--------------------------------------|----------------------------------|---------------------------------------|--------------------------------------|-----------------------------|
| Analysis Requested | | Lab Id: 674766-001 | Field Id: MW-32-200810 | Depth: MW-33-200810 | Matrix: GROUND WATER | Sampled: 10.08.2020 15:15 | Lab Id: 674766-002 | Field Id: MW-34-200810 | Depth: MW-32-WD-200810 | Matrix: GROUND WATER | Sampled: 10.08.2020 15:45 | Lab Id: 674766-003 | Field Id: MW-32-200810 | Depth: MW-32-WD-200810 | Matrix: GROUND WATER | Sampled: 10.08.2020 16:15 | Lab Id: 674766-004 | Field Id: MW-32-WD-200810 | Depth: MW-32-WD-200810 | Matrix: GROUND WATER | Sampled: 10.08.2020 00:00 | |
| Inorganic Anions by EPA 300/300.1 | | Extracted: 10.09.2020 17:50 | Analyzed: 10.09.2020 22:56 | Units/RL: mg/L RL | Extracted: 10.12.2020 14:00 | Analyzed: 10.12.2020 16:52 | Units/RL: mg/L RL | Extracted: 10.12.2020 14:00 | Analyzed: 10.12.2020 17:14 | Units/RL: mg/L RL | Extracted: 10.12.2020 14:00 | Analyzed: 10.12.2020 17:22 | Units/RL: mg/L RL | Extracted: 10.12.2020 14:00 | Analyzed: 10.12.2020 17:22 | Units/RL: mg/L RL | Extracted: 10.12.2020 14:00 | Analyzed: 10.12.2020 17:22 | Units/RL: mg/L RL | Extracted: 10.12.2020 14:00 | Analyzed: 10.12.2020 17:22 | Units/RL: mg/L RL |
| Chloride | | 349 | 5.00 | 201 X | 5.00 | 73.3 | 2.50 | 327 | 5.00 | | | | | | | | | | | | | |
| TDS by SM2540C | | Extracted: 10.09.2020 17:30 | Analyzed: 10.09.2020 17:30 | Units/RL: mg/L RL | Extracted: 10.09.2020 17:30 | Analyzed: 10.09.2020 17:30 | Units/RL: mg/L RL | Extracted: 10.09.2020 17:30 | Analyzed: 10.09.2020 17:30 | Units/RL: mg/L RL | Extracted: 10.09.2020 17:30 | Analyzed: 10.09.2020 17:30 | Units/RL: mg/L RL | Extracted: 10.09.2020 17:30 | Analyzed: 10.09.2020 17:30 | Units/RL: mg/L RL | Extracted: 10.09.2020 17:30 | Analyzed: 10.09.2020 17:30 | Units/RL: mg/L RL | Extracted: 10.09.2020 17:30 | Analyzed: 10.09.2020 17:30 | Units/RL: mg/L RL |
| Total Dissolved Solids | | 1110 | 5.00 | 1090 | 5.00 | 608 | 5.00 | 1120 | 5.00 | | | | | | | | | | | | | |

BRL - Below Reporting Limit

Houston - Dallas - Midland - Tampa - Phoenix - Lubbock - San Antonio - El Paso - Atlanta - New Mexico



Analytical Report 674766

for

GHD Services, INC- Midland

Project Manager: Nick Casten

Dollarhide

055270

10.22.2020

Collected By: Client



**1211 W. Florida Ave
Midland TX 79701**

Xenco-Houston (EPA Lab Code: TX00122):
Texas (T104704215-20-38), Arizona (AZ0765), Florida (E871002-33), Louisiana (03054)
Oklahoma (2020-014), North Carolina (681), Arkansas (20-035-0)

Xenco-Dallas (EPA Lab Code: TX01468):
Texas (T104704295-20-26), Arizona (AZ0809)

Xenco-El Paso (EPA Lab Code: TX00127): Texas (T104704221-20-18)
Xenco-Lubbock (EPA Lab Code: TX00139): Texas (T104704219-20-23)
Xenco-Midland (EPA Lab Code: TX00158): Texas (T104704400-19-21)
Xenco-Carlsbad (LELAP): Louisiana (05092)
Xenco-San Antonio (EPA Lab Code: TNI02385): Texas (T104704534-20-8)
Xenco-Tampa: Florida (E87429), North Carolina (483)



10.22.2020

Project Manager: **Nick Casten**

GHD Services, INC- Midland

2135 S Loop 250 W
Midland, TX 79703

Reference: Eurofins Xenco, LLC Report No(s): **674766**

Dollarhide

Project Address: New Mexico

Nick Casten:

We are reporting to you the results of the analyses performed on the samples received under the project name referenced above and identified with the Eurofins Xenco, LLC Report Number(s) 674766. All results being reported under this Report Number apply to the samples analyzed and properly identified with a Laboratory ID number. Subcontracted analyses are identified in this report with either the NELAC certification number of the subcontract lab in the analyst ID field, or the complete subcontracted report attached to this report.

Unless otherwise noted in a Case Narrative, all data reported in this Analytical Report are in compliance with NELAC standards. The uncertainty of measurement associated with the results of analysis reported is available upon request. Should insufficient sample be provided to the laboratory to meet the method and NELAC Matrix Duplicate and Matrix Spike requirements, then the data will be analyzed, evaluated and reported using all other available quality control measures.

The validity and integrity of this report will remain intact as long as it is accompanied by this letter and reproduced in full, unless written approval is granted by Eurofins Xenco, LLC. This report will be filed for at least 5 years in our archives after which time it will be destroyed without further notice, unless otherwise arranged with you. The samples received, and described as recorded in Report No. 674766 will be filed for 45 days, and after that time they will be properly disposed without further notice, unless otherwise arranged with you. We reserve the right to return to you any unused samples, extracts or solutions related to them if we consider so necessary (e.g., samples identified as hazardous waste, sample sizes exceeding analytical standard practices, controlled substances under regulated protocols, etc).

We thank you for selecting Eurofins Xenco, LLC to serve your analytical needs. If you have any questions concerning this report, please feel free to contact us at any time.

Respectfully,

A handwritten signature in black ink that reads "Debbie Simmons".

Debbie Simmons

Project Manager

A Small Business and Minority Company

Houston - Dallas - Midland - Tampa - Phoenix - Lubbock - San Antonio - El Paso - Atlanta - New Mexico

**Sample Cross Reference 674766****GHD Services, INC- Midland, Midland, TX**

Dollarhide

| Sample Id | Matrix | Date Collected | Sample Depth | Lab Sample Id |
|-----------------|--------|------------------|--------------|---------------|
| MW-32-200810 | W | 10.08.2020 15:15 | | 674766-001 |
| MW-33-200810 | W | 10.08.2020 15:45 | | 674766-002 |
| MW-34-200810 | W | 10.08.2020 16:15 | | 674766-003 |
| MW-32-WD-200810 | W | 10.08.2020 00:00 | | 674766-004 |



CASE NARRATIVE

Client Name: GHD Services, INC- Midland
Project Name: Dollarhide

Project ID: 055270
Work Order Number(s): 674766

Report Date: 10.22.2020
Date Received: 10.09.2020

Sample receipt non conformances and comments:

Sample receipt non conformances and comments per sample:

None

Analytical non conformances and comments:

Batch: LBA-3139511 Inorganic Anions by EPA 300/300.1

Lab Sample ID 674766-002 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: 674766-002, -003, -004.

The Laboratory Control Sample for Chloride is within laboratory Control Limits, therefore the data was accepted.

Certificate of Analytical Results 674766

GHD Services, INC- Midland, Midland, TX

Dollarhide

Sample Id: **MW-32-200810** Matrix: Ground Water Date Received: 10.09.2020 10:19
 Lab Sample Id: 674766-001 Date Collected: 10.08.2020 15:15

Analytical Method: Inorganic Anions by EPA 300/300.1 Prep Method: E300P

Tech: SPC

Analyst: SPC

Seq Number: 3139421

Date Prep: 10.09.2020 17:50

% Moisture:

| Parameter | Cas Number | Result | RL | MDL | Units | Analysis Date | Flag | Dil |
|-----------|------------|--------|------|-------|-------|------------------|------|-----|
| Chloride | 16887-00-6 | 349 | 5.00 | 0.210 | mg/L | 10.09.2020 22:56 | | 10 |

Analytical Method: TDS by SM2540C

Tech: SPC

Analyst: SPC

Seq Number: 3139425

% Moisture:

| Parameter | Cas Number | Result | RL | MDL | Units | Analysis Date | Flag | Dil |
|------------------------|------------|--------|------|------|-------|------------------|------|-----|
| Total Dissolved Solids | 1642222 | 1110 | 5.00 | 5.00 | mg/L | 10.09.2020 17:30 | | 1 |

Certificate of Analytical Results 674766

GHD Services, INC- Midland, Midland, TX

Dollarhide

Sample Id: **MW-33-200810** Matrix: Ground Water Date Received: 10.09.2020 10:19
 Lab Sample Id: 674766-002 Date Collected: 10.08.2020 15:45

Analytical Method: Inorganic Anions by EPA 300/300.1 Prep Method: E300P

Tech: SPC

Analyst: SPC

Seq Number: 3139511

Date Prep: 10.12.2020 14:00

% Moisture:

| Parameter | Cas Number | Result | RL | MDL | Units | Analysis Date | Flag | Dil |
|-----------|------------|--------|------|-------|-------|------------------|------|-----|
| Chloride | 16887-00-6 | 201 | 5.00 | 0.210 | mg/L | 10.12.2020 16:52 | X | 10 |

Analytical Method: TDS by SM2540C

Tech: SPC

Analyst: SPC

Seq Number: 3139425

% Moisture:

| Parameter | Cas Number | Result | RL | MDL | Units | Analysis Date | Flag | Dil |
|------------------------|------------|--------|------|------|-------|------------------|------|-----|
| Total Dissolved Solids | 1642222 | 1090 | 5.00 | 5.00 | mg/L | 10.09.2020 17:30 | | 1 |

Certificate of Analytical Results 674766

GHD Services, INC- Midland, Midland, TX

Dollarhide

Sample Id: **MW-34-200810** Matrix: Ground Water Date Received: 10.09.2020 10:19
 Lab Sample Id: 674766-003 Date Collected: 10.08.2020 16:15

Analytical Method: Inorganic Anions by EPA 300/300.1 Prep Method: E300P

Tech: SPC

Analyst: SPC

Seq Number: 3139511

Date Prep: 10.12.2020 14:00

% Moisture:

| Parameter | Cas Number | Result | RL | MDL | Units | Analysis Date | Flag | Dil |
|-----------|------------|--------|------|-------|-------|------------------|------|-----|
| Chloride | 16887-00-6 | 73.3 | 2.50 | 0.105 | mg/L | 10.12.2020 17:14 | | 5 |

Analytical Method: TDS by SM2540C

Tech: SPC

Analyst: SPC

Seq Number: 3139425

% Moisture:

| Parameter | Cas Number | Result | RL | MDL | Units | Analysis Date | Flag | Dil |
|------------------------|------------|--------|------|------|-------|------------------|------|-----|
| Total Dissolved Solids | 1642222 | 608 | 5.00 | 5.00 | mg/L | 10.09.2020 17:30 | | 1 |

Certificate of Analytical Results 674766

GHD Services, INC- Midland, Midland, TX

Dollarhide

Sample Id: **MW-32-WD-200810** Matrix: Ground Water Date Received: 10.09.2020 10:19
 Lab Sample Id: 674766-004 Date Collected: 10.08.2020 00:00

Analytical Method: Inorganic Anions by EPA 300/300.1 Prep Method: E300P

Tech: SPC

Analyst: SPC

Seq Number: 3139511

Date Prep: 10.12.2020 14:00

% Moisture:

| Parameter | Cas Number | Result | RL | MDL | Units | Analysis Date | Flag | Dil |
|-----------|------------|--------|------|-------|-------|------------------|------|-----|
| Chloride | 16887-00-6 | 327 | 5.00 | 0.210 | mg/L | 10.12.2020 17:22 | | 10 |

Analytical Method: TDS by SM2540C

Tech: SPC

Analyst: SPC

Seq Number: 3139425

% Moisture:

| Parameter | Cas Number | Result | RL | MDL | Units | Analysis Date | Flag | Dil |
|------------------------|------------|--------|------|------|-------|------------------|------|-----|
| Total Dissolved Solids | 1642222 | 1120 | 5.00 | 5.00 | mg/L | 10.09.2020 17:30 | | 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. **ND** Not Detected.

RL Reporting Limit

MDL Method Detection Limit **SDL** Sample Detection Limit **LOD** Limit of Detection

PQL Practical Quantitation Limit **MQL** Method Quantitation Limit **LOQ** Limit of Quantitation

DL Method Detection Limit

NC Non-Calculable

SMP Client Sample **BLK** Method Blank

BKS/LCS Blank Spike/Laboratory Control Sample **BKSD/LCSD** Blank Spike Duplicate/Laboratory Control Sample Duplicate

MD/SD Method Duplicate/Sample Duplicate **MS** Matrix Spike **MSD:** Matrix Spike Duplicate

+ NELAC certification not offered for this compound.

* (Next to analyte name or method description) = Outside XENCO's scope of NELAC accreditation



QC Summary 674766

GHD Services, INC- Midland
Dollarhide**Analytical Method:** Inorganic Anions by EPA 300/300.1

| | | | | | | | | | |
|------------------|---------------|------------------------------|------------|----------|-------------|-----------------------|--------|------|---------------|
| Seq Number: | 3139421 | Matrix: Water | | | | Prep Method: E300P | | | |
| MB Sample Id: | 7713004-1-BLK | LCS Sample Id: 7713004-1-BKS | | | | Date Prep: 10.09.2020 | | | |
| Parameter | MB Result | Spike Amount | LCS Result | LCS %Rec | LCSD Result | LCSD %Rec | Limits | %RPD | RPD Limit |
| Chloride | <0.0210 | 25.0 | 27.0 | 108 | 26.9 | 108 | 90-110 | 0 | 20 |
| | | | | | | | | mg/L | Analysis Date |

Analytical Method: Inorganic Anions by EPA 300/300.1

| | | | | | | | | | |
|------------------|---------------|------------------------------|------------|----------|-------------|-----------------------|--------|------|---------------|
| Seq Number: | 3139511 | Matrix: Water | | | | Prep Method: E300P | | | |
| MB Sample Id: | 7713088-1-BLK | LCS Sample Id: 7713088-1-BKS | | | | Date Prep: 10.12.2020 | | | |
| Parameter | MB Result | Spike Amount | LCS Result | LCS %Rec | LCSD Result | LCSD %Rec | Limits | %RPD | RPD Limit |
| Chloride | <0.0210 | 25.0 | 27.3 | 109 | 27.2 | 109 | 90-110 | 0 | 20 |
| | | | | | | | | mg/L | Analysis Date |

Analytical Method: Inorganic Anions by EPA 300/300.1

| | | | | | | | | | |
|-------------------|---------------|----------------------------|-----------|---------|------------|-----------------------|--------|------|---------------|
| Seq Number: | 3139421 | Matrix: Drinking Water | | | | Prep Method: E300P | | | |
| Parent Sample Id: | 674697-001 | MS Sample Id: 674697-001 S | | | | Date Prep: 10.09.2020 | | | |
| Parameter | Parent Result | Spike Amount | MS Result | MS %Rec | MSD Result | MSD %Rec | Limits | %RPD | RPD Limit |
| Chloride | 18.6 | 25.0 | 44.5 | 104 | 44.9 | 105 | 90-110 | 1 | 20 |
| | | | | | | | | mg/L | Analysis Date |

Analytical Method: Inorganic Anions by EPA 300/300.1

| | | | | | | | | | |
|-------------------|---------------|----------------------------|-----------|---------|------------|-----------------------|--------|------|---------------|
| Seq Number: | 3139421 | Matrix: Drinking Water | | | | Prep Method: E300P | | | |
| Parent Sample Id: | 674698-001 | MS Sample Id: 674698-001 S | | | | Date Prep: 10.09.2020 | | | |
| Parameter | Parent Result | Spike Amount | MS Result | MS %Rec | MSD Result | MSD %Rec | Limits | %RPD | RPD Limit |
| Chloride | 19.2 | 25.0 | 45.6 | 106 | 45.5 | 105 | 90-110 | 0 | 20 |
| | | | | | | | | mg/L | Analysis Date |

Analytical Method: Inorganic Anions by EPA 300/300.1

| | | | | | | | | | |
|-------------------|---------------|----------------------------|-----------|---------|------------|-----------------------|--------|------|---------------|
| Seq Number: | 3139511 | Matrix: Ground Water | | | | Prep Method: E300P | | | |
| Parent Sample Id: | 674766-002 | MS Sample Id: 674766-002 S | | | | Date Prep: 10.12.2020 | | | |
| Parameter | Parent Result | Spike Amount | MS Result | MS %Rec | MSD Result | MSD %Rec | Limits | %RPD | RPD Limit |
| Chloride | 201 | 250 | 478 | 111 | 475 | 110 | 90-110 | 1 | 20 |
| | | | | | | | | mg/L | Analysis Date |

Analytical Method: Inorganic Anions by EPA 300/300.1

| | | | | | | | | | |
|-------------------|---------------|----------------------------|-----------|---------|------------|-----------------------|--------|------|---------------|
| Seq Number: | 3139511 | Matrix: Ground Water | | | | Prep Method: E300P | | | |
| Parent Sample Id: | 674767-006 | MS Sample Id: 674767-006 S | | | | Date Prep: 10.12.2020 | | | |
| Parameter | Parent Result | Spike Amount | MS Result | MS %Rec | MSD Result | MSD %Rec | Limits | %RPD | RPD Limit |
| Chloride | 23.0 | 125 | 162 | 111 | 164 | 113 | 90-110 | 1 | 20 |
| | | | | | | | | mg/L | Analysis Date |

MS/MSD Percent Recovery
 Relative Percent Difference
 LCS/LCSD Recovery
 Log Difference

[D] = 100*(C-A) / B
 RPD = 200* | (C-E) / (C+E) |
 [D] = 100 * (C) / [B]
 Log Diff. = Log(Sample Duplicate) - Log(Original Sample)

LCS = Laboratory Control Sample
 A = Parent Result
 C = MS/LCS Result
 E = MSD/LCSD Result

MS = Matrix Spike
 B = Spike Added
 D = MSD/LCSD % Rec

**QC Summary 674766****GHD Services, INC- Midland**
Dollarhide**Analytical Method: TDS by SM2540C**

Seq Number: 3139425

Matrix: Water

MB Sample Id: 3139425-1-BLK

LCS Sample Id: 3139425-1-BKS

LCSD Sample Id: 3139425-1-BSD

| Parameter | MB Result | Spike Amount | LCS Result | LCS %Rec | LCSD Result | LCSD %Rec | Limits | %RPD | RPD Limit | Units | Analysis Date | Flag |
|------------------------|-----------|--------------|------------|----------|-------------|-----------|--------|------|-----------|-------|------------------|------|
| Total Dissolved Solids | <5.00 | 1000 | 991 | 99 | 994 | 99 | 80-120 | 0 | 10 | mg/L | 10.09.2020 17:30 | |

Analytical Method: TDS by SM2540C

Seq Number: 3139425

Matrix: Ground Water

Parent Sample Id: 674762-001

MD Sample Id: 674762-001 D

| Parameter | Parent Result | MD Result | %RPD | RPD Limit | Units | Analysis Date | Flag |
|------------------------|---------------|-----------|------|-----------|-------|------------------|------|
| Total Dissolved Solids | 826 | 825 | 0 | 10 | mg/L | 10.09.2020 17:30 | |

Analytical Method: TDS by SM2540C

Seq Number: 3139425

Matrix: Ground Water

Parent Sample Id: 674762-011

MD Sample Id: 674762-011 D

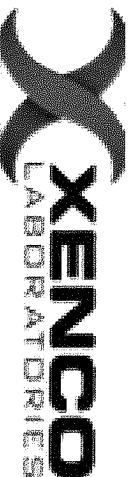
| Parameter | Parent Result | MD Result | %RPD | RPD Limit | Units | Analysis Date | Flag |
|------------------------|---------------|-----------|------|-----------|-------|------------------|------|
| Total Dissolved Solids | 465 | 473 | 2 | 10 | mg/L | 10.09.2020 17:30 | |

MS/MSD Percent Recovery
 Relative Percent Difference
 LCS/LCSD Recovery
 Log Difference

[D] = 100*(C-A) / B
 RPD = 200* | (C-E) / (C+E) |
 [D] = 100 * (C) / [B]
 Log Diff. = Log(Sample Duplicate) - Log(Original Sample)

LCS = Laboratory Control Sample
 A = Parent Result
 C = MS/LCS Result
 E = MSD/LCSD Result

MS = Matrix Spike
 B = Spike Added
 D = MSD/LCSD % Rec



Chain of Custody

Work Order No:

| | |
|--|---|
| L A E R O R A T O R E C | |
| Project Manager: | Hobbs, NM (575-392-7750) Phoenix,AZ (480-355-9900) Atlanta, GA (770-449-8800) Tampa,FL (813-223-1000) |
| Company Name: | GHD |
| Address: | 2135 S. Loop 250 West |
| City, State ZIP: | Midland, TX 79703 |
| Phone: | 225-292-9007 |
| Email: | Nick.Casten@ghd.com & Christopher.Knight@ghd.com & Brittany.White@ghd.com & eeds@ghd.com |

| | | | | | |
|--|---------------|------|---|----|---|
| 3-620-20000) | www.xenco.com | Page | / | of | / |
| Work Order Comments | | | | | |
| <p>Program: UST/PST <input type="checkbox"/> PRP <input type="checkbox"/> Brownfields <input type="checkbox"/> RRC <input type="checkbox"/> Superfund <input type="checkbox"/></p> <p>State of Project:</p> <p>Reporting: Level II Level III <input type="checkbox"/> PST/UST <input type="checkbox"/> TRRP <input checked="" type="checkbox"/> Level IV <input type="checkbox"/></p> <p>Deliverables: EDD <input type="checkbox"/> ADaPT <input type="checkbox"/> Other: _____</p> | | | | | |

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 Ti 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 Ti U
1631 / 2451 / 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.

service. Xenco's bill for documents and nonconforming 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 liability or responsibility for any losses or expenses incurred by the client except those 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.

1

Eurofins Xenco, LLC
Prelogin/Nonconformance Report- Sample Log-In

Client: GHD Services, INC- Midland**Date/ Time Received:** 10.09.2020 10.19.00 AM**Work Order #:** 674766

Acceptable Temperature Range: 0 - 6 degC
 Air and Metal samples Acceptable Range: Ambient
 Temperature Measuring device used : IR8

| Sample Receipt Checklist | Comments |
|---|-----------------|
| #1 *Temperature of cooler(s)? | 1.5 |
| #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)? | N/A |
| #18 Water VOC samples have zero headspace? | N/A |

* Must be completed for after-hours delivery of samples prior to placing in the refrigerator

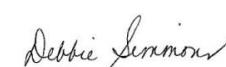
Analyst: AJA

PH Device/Lot#: 10BDH1991

Checklist completed by:

 Brianna Teel

Date: 10.09.2020

Checklist reviewed by:

 Debbie Simmons

Date: 10.12.2020

Certificate of Analysis Summary 674767

GHD Services, INC- Midland, Midland, TX

Project Name: Dollarhide

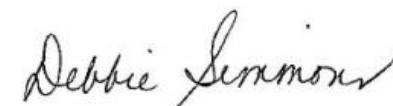
Project Id: 055270
Contact: Nick Casten
Project Location: New Mexico

Date Received in Lab: Fri 10.09.2020 10:19
Report Date: 10.29.2020 09:50
Project Manager: Debbie Simmons

| Analysis Requested | Lab Id: <i>Field Id:</i> <i>Depth:</i> Matrix: Sampled: | 674767-001 NM-MW-11-200810 | 674767-002 NM-MW-12-200810 | 674767-003 NM-MW-13-200810 | 674767-004 NM-MW-15-200810 | 674767-005 NM-MW-17-200810 | 674767-006 NM-MW-20-200810 |
|--|--|---|---|---|---|---|---|
| Inorganic Anions by EPA 300/300.1 | Extracted: <i>Analyzed:</i> Units/RL: | 10.12.2020 14:00 10.12.2020 17:59 mg/L RL | 10.12.2020 14:00 10.12.2020 18:06 mg/L RL | 10.12.2020 14:00 10.12.2020 18:14 mg/L RL | 10.12.2020 14:00 10.12.2020 18:21 mg/L RL | 10.12.2020 14:00 10.12.2020 18:29 mg/L RL | 10.12.2020 14:00 10.12.2020 18:36 mg/L RL |
| Chloride | | 181 5.00 | 580 5.00 | 211 5.00 | 59.9 2.50 | 216 5.00 | 23.0 X 2.50 |
| TDS by SM2540C | Extracted: <i>Analyzed:</i> Units/RL: | 10.09.2020 17:30 mg/L RL |
| Total Dissolved Solids | | 1960 5.00 | 1280 5.00 | 1100 5.00 | 521 5.00 | 976 5.00 | 402 5.00 |

BRL - Below Reporting Limit

Houston - Dallas - Midland - Tampa - Phoenix - Lubbock - San Antonio - El Paso - Atlanta - New Mexico



Certificate of Analysis Summary 674767

GHD Services, INC- Midland, Midland, TX

Project Name: Dollarhide

Project Id: 055270
Contact: Nick Casten
Project Location: New Mexico

Date Received in Lab: Fri 10.09.2020 10:19
Report Date: 10.29.2020 09:50
Project Manager: Debbie Simmons

| | | | | | | | | | | | | | |
|--|--|---------------------------|----------------------------------|---------------|-----------------------------|----------------------------------|-------------------|------------------------------------|---------------|-----------------------------|----------------------------------|--|--|
| Analysis Requested | | Lab Id: 674767-007 | Field Id: NM-MW-21-200810 | Depth: | Matrix: GROUND WATER | Sampled: 10.08.2020 17:15 | 674767-008 | Field Id: NM-MW-21-WD-20081 | Depth: | Matrix: GROUND WATER | Sampled: 10.08.2020 00:00 | | |
| Inorganic Anions by EPA 300/300.1 | | Extracted: | 10.12.2020 14:00 | | | | Extracted: | 10.12.2020 14:00 | | | | | |
| | | Analyzed: | 10.12.2020 18:59 | | | | Analyzed: | 10.12.2020 19:06 | | | | | |
| | | Units/RL: | mg/L | RL | | | Units/RL: | mg/L | RL | | | | |
| Chloride | | | 29.8 | 2.50 | | | | 29.6 | 2.50 | | | | |
| TDS by SM2540C | | Extracted: | | | | | Extracted: | | | | | | |
| | | Analyzed: | 10.09.2020 17:30 | | | | Analyzed: | 10.09.2020 17:30 | | | | | |
| | | Units/RL: | mg/L | RL | | | Units/RL: | mg/L | RL | | | | |
| Total Dissolved Solids | | | 523 | 5.00 | | | | 534 | 5.00 | | | | |

BRL - Below Reporting Limit

Houston - Dallas - Midland - Tampa - Phoenix - Lubbock - San Antonio - El Paso - Atlanta - New Mexico



Analytical Report 674767

for

GHD Services, INC- Midland

Project Manager: Nick Casten

Dollarhide

055270

10.29.2020

Collected By: Client



**1211 W. Florida Ave
Midland TX 79701**

Xenco-Houston (EPA Lab Code: TX00122):
Texas (T104704215-20-38), Arizona (AZ0765), Florida (E871002-33), Louisiana (03054)
Oklahoma (2020-014), North Carolina (681), Arkansas (20-035-0)

Xenco-Dallas (EPA Lab Code: TX01468):
Texas (T104704295-20-26), Arizona (AZ0809)

Xenco-El Paso (EPA Lab Code: TX00127): Texas (T104704221-20-18)
Xenco-Lubbock (EPA Lab Code: TX00139): Texas (T104704219-20-23)
Xenco-Midland (EPA Lab Code: TX00158): Texas (T104704400-19-21)
Xenco-Carlsbad (LELAP): Louisiana (05092)
Xenco-San Antonio (EPA Lab Code: TNI02385): Texas (T104704534-20-8)
Xenco-Tampa: Florida (E87429), North Carolina (483)



10.29.2020

Project Manager: **Nick Casten**

GHD Services, INC- Midland

2135 S Loop 250 W
Midland, TX 79703

Reference: Eurofins Xenco, LLC Report No(s): **674767**

Dollarhide

Project Address: New Mexico

Nick Casten:

We are reporting to you the results of the analyses performed on the samples received under the project name referenced above and identified with the Eurofins Xenco, LLC Report Number(s) 674767. All results being reported under this Report Number apply to the samples analyzed and properly identified with a Laboratory ID number. Subcontracted analyses are identified in this report with either the NELAC certification number of the subcontract lab in the analyst ID field, or the complete subcontracted report attached to this report.

Unless otherwise noted in a Case Narrative, all data reported in this Analytical Report are in compliance with NELAC standards. The uncertainty of measurement associated with the results of analysis reported is available upon request. Should insufficient sample be provided to the laboratory to meet the method and NELAC Matrix Duplicate and Matrix Spike requirements, then the data will be analyzed, evaluated and reported using all other available quality control measures.

The validity and integrity of this report will remain intact as long as it is accompanied by this letter and reproduced in full, unless written approval is granted by Eurofins Xenco, LLC. This report will be filed for at least 5 years in our archives after which time it will be destroyed without further notice, unless otherwise arranged with you. The samples received, and described as recorded in Report No. 674767 will be filed for 45 days, and after that time they will be properly disposed without further notice, unless otherwise arranged with you. We reserve the right to return to you any unused samples, extracts or solutions related to them if we consider so necessary (e.g., samples identified as hazardous waste, sample sizes exceeding analytical standard practices, controlled substances under regulated protocols, etc).

We thank you for selecting Eurofins Xenco, LLC to serve your analytical needs. If you have any questions concerning this report, please feel free to contact us at any time.

Respectfully,

A handwritten signature in black ink that reads "Debbie Simmons".

Debbie Simmons

Project Manager

A Small Business and Minority Company

Houston - Dallas - Midland - Tampa - Phoenix - Lubbock - San Antonio - El Paso - Atlanta - New Mexico

Sample Cross Reference 674767**GHD Services, INC- Midland, Midland, TX**

Dollarhide

| Sample Id | Matrix | Date Collected | Sample Depth | Lab Sample Id |
|--------------------|--------|------------------|--------------|---------------|
| NM-MW-11-200810 | W | 10.08.2020 11:45 | | 674767-001 |
| NM-MW-12-200810 | W | 10.08.2020 13:45 | | 674767-002 |
| NM-MW-13-200810 | W | 10.08.2020 12:15 | | 674767-003 |
| NM-MW-15-200810 | W | 10.08.2020 11:15 | | 674767-004 |
| NM-MW-17-200810 | W | 10.08.2020 12:45 | | 674767-005 |
| NM-MW-20-200810 | W | 10.08.2020 16:45 | | 674767-006 |
| NM-MW-21-200810 | W | 10.08.2020 17:15 | | 674767-007 |
| NM-MW-21-WD-200810 | W | 10.08.2020 00:00 | | 674767-008 |



CASE NARRATIVE

Client Name: GHD Services, INC- Midland
Project Name: Dollarhide

Project ID: 055270
Work Order Number(s): 674767

Report Date: 10.29.2020
Date Received: 10.09.2020

Sample receipt non conformances and comments:

10.29.20: report revised extra samples received removed and placed on another COC, did not belong with these samples numbered 674767.

Sample receipt non conformances and comments per sample:

None

Analytical non conformances and comments:

Batch: LBA-3139511 Inorganic Anions by EPA 300/300.1

Lab Sample ID 674767-006 was randomly selected for Matrix Spike/Matrix Spike Duplicate (MS/MSD). Chloride recovered above QC limits in the Matrix Spike and Matrix Spike Duplicate. Outlier/s are due to possible matrix interference. Samples in the analytical batch are: 674767-001, -002, -003, -004, -005, -006, -007, -008.

The Laboratory Control Sample for Chloride is within laboratory Control Limits, therefore the data was accepted.

Certificate of Analytical Results 674767

GHD Services, INC- Midland, Midland, TX

Dollarhide

Sample Id: **NM-MW-11-200810** Matrix: Ground Water Date Received: 10.09.2020 10:19
 Lab Sample Id: 674767-001 Date Collected: 10.08.2020 11:45

Analytical Method: Inorganic Anions by EPA 300/300.1 Prep Method: E300P

Tech: SPC

Analyst: SPC

Seq Number: 3139511

Date Prep: 10.12.2020 14:00

% Moisture:

| Parameter | Cas Number | Result | RL | MDL | Units | Analysis Date | Flag | Dil |
|-----------|------------|--------|------|-------|-------|------------------|------|-----|
| Chloride | 16887-00-6 | 181 | 5.00 | 0.210 | mg/L | 10.12.2020 17:59 | | 10 |

Analytical Method: TDS by SM2540C

Tech: SPC

Analyst: SPC

Seq Number: 3139430

% Moisture:

| Parameter | Cas Number | Result | RL | MDL | Units | Analysis Date | Flag | Dil |
|------------------------|------------|--------|------|------|-------|------------------|------|-----|
| Total Dissolved Solids | 1642222 | 1960 | 5.00 | 5.00 | mg/L | 10.09.2020 17:30 | | 1 |

Certificate of Analytical Results 674767

GHD Services, INC- Midland, Midland, TX

Dollarhide

Sample Id: **NM-MW-12-200810** Matrix: Ground Water Date Received: 10.09.2020 10:19
 Lab Sample Id: 674767-002 Date Collected: 10.08.2020 13:45

Analytical Method: Inorganic Anions by EPA 300/300.1 Prep Method: E300P

Tech: SPC

Analyst: SPC

Seq Number: 3139511

Date Prep: 10.12.2020 14:00

% Moisture:

| Parameter | Cas Number | Result | RL | MDL | Units | Analysis Date | Flag | Dil |
|-----------|------------|--------|------|-------|-------|------------------|------|-----|
| Chloride | 16887-00-6 | 580 | 5.00 | 0.210 | mg/L | 10.12.2020 18:06 | | 10 |

Analytical Method: TDS by SM2540C

Tech: SPC

Analyst: SPC

Seq Number: 3139430

% Moisture:

| Parameter | Cas Number | Result | RL | MDL | Units | Analysis Date | Flag | Dil |
|------------------------|------------|--------|------|------|-------|------------------|------|-----|
| Total Dissolved Solids | 1642222 | 1280 | 5.00 | 5.00 | mg/L | 10.09.2020 17:30 | | 1 |

Certificate of Analytical Results 674767

GHD Services, INC- Midland, Midland, TX

Dollarhide

Sample Id: **NM-MW-13-200810** Matrix: Ground Water Date Received: 10.09.2020 10:19
 Lab Sample Id: 674767-003 Date Collected: 10.08.2020 12:15

Analytical Method: Inorganic Anions by EPA 300/300.1 Prep Method: E300P

Tech: SPC

Analyst: SPC

Seq Number: 3139511

Date Prep: 10.12.2020 14:00

% Moisture:

| Parameter | Cas Number | Result | RL | MDL | Units | Analysis Date | Flag | Dil |
|-----------|------------|--------|------|-------|-------|------------------|------|-----|
| Chloride | 16887-00-6 | 211 | 5.00 | 0.210 | mg/L | 10.12.2020 18:14 | | 10 |

Analytical Method: TDS by SM2540C

Tech: SPC

Analyst: SPC

Seq Number: 3139430

% Moisture:

| Parameter | Cas Number | Result | RL | MDL | Units | Analysis Date | Flag | Dil |
|------------------------|------------|--------|------|------|-------|------------------|------|-----|
| Total Dissolved Solids | 1642222 | 1100 | 5.00 | 5.00 | mg/L | 10.09.2020 17:30 | | 1 |

Certificate of Analytical Results 674767

GHD Services, INC- Midland, Midland, TX

Dollarhide

Sample Id: **NM-MW-15-200810** Matrix: Ground Water Date Received: 10.09.2020 10:19
 Lab Sample Id: 674767-004 Date Collected: 10.08.2020 11:15

Analytical Method: Inorganic Anions by EPA 300/300.1 Prep Method: E300P

Tech: SPC

Analyst: SPC

Seq Number: 3139511

Date Prep: 10.12.2020 14:00

% Moisture:

| Parameter | Cas Number | Result | RL | MDL | Units | Analysis Date | Flag | Dil |
|-----------|------------|-------------|------|-------|-------|------------------|------|-----|
| Chloride | 16887-00-6 | 59.9 | 2.50 | 0.105 | mg/L | 10.12.2020 18:21 | | 5 |

Analytical Method: TDS by SM2540C

Tech: SPC

Analyst: SPC

Seq Number: 3139430

% Moisture:

| Parameter | Cas Number | Result | RL | MDL | Units | Analysis Date | Flag | Dil |
|------------------------|------------|------------|------|------|-------|------------------|------|-----|
| Total Dissolved Solids | 1642222 | 521 | 5.00 | 5.00 | mg/L | 10.09.2020 17:30 | | 1 |

Certificate of Analytical Results 674767

GHD Services, INC- Midland, Midland, TX

Dollarhide

Sample Id: **NM-MW-17-200810** Matrix: Ground Water Date Received: 10.09.2020 10:19
 Lab Sample Id: 674767-005 Date Collected: 10.08.2020 12:45

Analytical Method: Inorganic Anions by EPA 300/300.1 Prep Method: E300P

Tech: SPC

Analyst: SPC

Seq Number: 3139511

Date Prep: 10.12.2020 14:00

% Moisture:

| Parameter | Cas Number | Result | RL | MDL | Units | Analysis Date | Flag | Dil |
|-----------|------------|--------|------|-------|-------|------------------|------|-----|
| Chloride | 16887-00-6 | 216 | 5.00 | 0.210 | mg/L | 10.12.2020 18:29 | | 10 |

Analytical Method: TDS by SM2540C

Tech: SPC

Analyst: SPC

Seq Number: 3139430

% Moisture:

| Parameter | Cas Number | Result | RL | MDL | Units | Analysis Date | Flag | Dil |
|------------------------|------------|--------|------|------|-------|------------------|------|-----|
| Total Dissolved Solids | 1642222 | 976 | 5.00 | 5.00 | mg/L | 10.09.2020 17:30 | | 1 |

Certificate of Analytical Results 674767

GHD Services, INC- Midland, Midland, TX

Dollarhide

Sample Id: **NM-MW-20-200810** Matrix: Ground Water Date Received: 10.09.2020 10:19
 Lab Sample Id: 674767-006 Date Collected: 10.08.2020 16:45

Analytical Method: Inorganic Anions by EPA 300/300.1 Prep Method: E300P

Tech: SPC

Analyst: SPC

Seq Number: 3139511

Date Prep: 10.12.2020 14:00

% Moisture:

| Parameter | Cas Number | Result | RL | MDL | Units | Analysis Date | Flag | Dil |
|-----------|------------|--------|------|-------|-------|------------------|------|-----|
| Chloride | 16887-00-6 | 23.0 | 2.50 | 0.105 | mg/L | 10.12.2020 18:36 | X | 5 |

Analytical Method: TDS by SM2540C

Tech: SPC

Analyst: SPC

Seq Number: 3139430

% Moisture:

| Parameter | Cas Number | Result | RL | MDL | Units | Analysis Date | Flag | Dil |
|------------------------|------------|--------|------|------|-------|------------------|------|-----|
| Total Dissolved Solids | 1642222 | 402 | 5.00 | 5.00 | mg/L | 10.09.2020 17:30 | | 1 |

Certificate of Analytical Results 674767

GHD Services, INC- Midland, Midland, TX

Dollarhide

Sample Id: **NM-MW-21-200810** Matrix: Ground Water Date Received: 10.09.2020 10:19
 Lab Sample Id: 674767-007 Date Collected: 10.08.2020 17:15

Analytical Method: Inorganic Anions by EPA 300/300.1 Prep Method: E300P

Tech: SPC

Analyst: SPC

Seq Number: 3139511

Date Prep: 10.12.2020 14:00

% Moisture:

| Parameter | Cas Number | Result | RL | MDL | Units | Analysis Date | Flag | Dil |
|-----------|------------|-------------|------|-------|-------|------------------|------|-----|
| Chloride | 16887-00-6 | 29.8 | 2.50 | 0.105 | mg/L | 10.12.2020 18:59 | | 5 |

Analytical Method: TDS by SM2540C

Tech: SPC

Analyst: SPC

Seq Number: 3139430

% Moisture:

| Parameter | Cas Number | Result | RL | MDL | Units | Analysis Date | Flag | Dil |
|------------------------|------------|------------|------|------|-------|------------------|------|-----|
| Total Dissolved Solids | 1642222 | 523 | 5.00 | 5.00 | mg/L | 10.09.2020 17:30 | | 1 |

Certificate of Analytical Results 674767

GHD Services, INC- Midland, Midland, TX

Dollarhide

Sample Id: **NM-MW-21-WD-200810** Matrix: Ground Water Date Received: 10.09.2020 10:19
 Lab Sample Id: 674767-008 Date Collected: 10.08.2020 00:00

Analytical Method: Inorganic Anions by EPA 300/300.1 Prep Method: E300P

Tech: SPC

Analyst: SPC

Seq Number: 3139511

Date Prep: 10.12.2020 14:00

% Moisture:

| Parameter | Cas Number | Result | RL | MDL | Units | Analysis Date | Flag | Dil |
|-----------|------------|-------------|------|-------|-------|------------------|------|-----|
| Chloride | 16887-00-6 | 29.6 | 2.50 | 0.105 | mg/L | 10.12.2020 19:06 | | 5 |

Analytical Method: TDS by SM2540C

Tech: SPC

Analyst: SPC

Seq Number: 3139430

% Moisture:

| Parameter | Cas Number | Result | RL | MDL | Units | Analysis Date | Flag | Dil |
|------------------------|------------|------------|------|------|-------|------------------|------|-----|
| Total Dissolved Solids | 1642222 | 534 | 5.00 | 5.00 | mg/L | 10.09.2020 17:30 | | 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. **ND** Not Detected.

RL Reporting Limit

MDL Method Detection Limit **SDL** Sample Detection Limit **LOD** Limit of Detection

PQL Practical Quantitation Limit **MQL** Method Quantitation Limit **LOQ** Limit of Quantitation

DL Method Detection Limit

NC Non-Calculable

SMP Client Sample **BLK** Method Blank

BKS/LCS Blank Spike/Laboratory Control Sample **BKSD/LCSD** Blank Spike Duplicate/Laboratory Control Sample Duplicate

MD/SD Method Duplicate/Sample Duplicate **MS** Matrix Spike **MSD:** Matrix Spike Duplicate

+ NELAC certification not offered for this compound.

* (Next to analyte name or method description) = Outside XENCO's scope of NELAC accreditation



QC Summary 674767

GHD Services, INC- Midland
Dollarhide**Analytical Method:** Inorganic Anions by EPA 300/300.1

| | | | | | | | | | |
|------------------|---------------|------------------------------|------------|----------|-------------|-----------------------|--------|------|------------------|
| Seq Number: | 3139511 | Matrix: Water | | | | Prep Method: E300P | | | |
| MB Sample Id: | 7713088-1-BLK | LCS Sample Id: 7713088-1-BKS | | | | Date Prep: 10.12.2020 | | | |
| Parameter | MB Result | Spike Amount | LCS Result | LCS %Rec | LCSD Result | LCSD %Rec | Limits | %RPD | RPD Limit |
| Chloride | <0.0210 | 25.0 | 27.3 | 109 | 27.2 | 109 | 90-110 | 0 | 20 |
| | | | | | | | | mg/L | 10.12.2020 16:37 |

Analytical Method: Inorganic Anions by EPA 300/300.1

| | | | | | | | | | |
|-------------------|---------------|----------------------------|-----------|---------|------------|-----------------------|--------|------|------------------|
| Seq Number: | 3139511 | Matrix: Ground Water | | | | Prep Method: E300P | | | |
| Parent Sample Id: | 674766-002 | MS Sample Id: 674766-002 S | | | | Date Prep: 10.12.2020 | | | |
| Parameter | Parent Result | Spike Amount | MS Result | MS %Rec | MSD Result | MSD %Rec | Limits | %RPD | RPD Limit |
| Chloride | 201 | 250 | 478 | 111 | 475 | 110 | 90-110 | 1 | 20 |
| | | | | | | | | mg/L | 10.12.2020 16:59 |
| | | | | | | | | | X |

Analytical Method: Inorganic Anions by EPA 300/300.1

| | | | | | | | | | |
|-------------------|---------------|----------------------------|-----------|---------|------------|-----------------------|--------|------|------------------|
| Seq Number: | 3139511 | Matrix: Ground Water | | | | Prep Method: E300P | | | |
| Parent Sample Id: | 674767-006 | MS Sample Id: 674767-006 S | | | | Date Prep: 10.12.2020 | | | |
| Parameter | Parent Result | Spike Amount | MS Result | MS %Rec | MSD Result | MSD %Rec | Limits | %RPD | RPD Limit |
| Chloride | 23.0 | 125 | 162 | 111 | 164 | 113 | 90-110 | 1 | 20 |
| | | | | | | | | mg/L | 10.12.2020 18:44 |
| | | | | | | | | | X |

Analytical Method: TDS by SM2540C

| | | | | | | | | | |
|------------------------|---------------|------------------------------|------------|----------|-------------|-----------------------|--------|------|------------------|
| Seq Number: | 3139430 | Matrix: Water | | | | Prep Method: E300P | | | |
| MB Sample Id: | 3139430-1-BLK | LCS Sample Id: 3139430-1-BKS | | | | Date Prep: 10.12.2020 | | | |
| Parameter | MB Result | Spike Amount | LCS Result | LCS %Rec | LCSD Result | LCSD %Rec | Limits | %RPD | RPD Limit |
| Total Dissolved Solids | <5.00 | 1000 | 994 | 99 | 985 | 99 | 80-120 | 1 | 10 |
| | | | | | | | | mg/L | 10.09.2020 17:30 |

Analytical Method: TDS by SM2540C

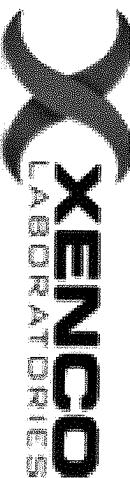
| | | | | | | | | | |
|------------------------|---------------|----------------------------|--|--|--|-----------------------|--|--|--|
| Seq Number: | 3139430 | Matrix: Ground Water | | | | Prep Method: E300P | | | |
| Parent Sample Id: | 674767-001 | MD Sample Id: 674767-001 D | | | | Date Prep: 10.12.2020 | | | |
| Parameter | Parent Result | MD Result | | | | %RPD | | | |
| Total Dissolved Solids | 1960 | 1980 | | | | RPD Limit | | | |
| | | | | | | Units | | | |
| | | | | | | Analysis Date | | | |
| | | | | | | Flag | | | |
| | | | | | | | | | |

MS/MSD Percent Recovery
 Relative Percent Difference
 LCS/LCSD Recovery
 Log Difference

[D] = 100*(C-A) / B
 RPD = 200* | (C-E) / (C+E) |
 [D] = 100 * (C) / [B]
 Log Diff. = Log(Sample Duplicate) - Log(Original Sample)

LCS = Laboratory Control Sample
 A = Parent Result
 C = MS/LCS Result
 E = MSD/LCSD Result

MS = Matrix Spike
 B = Spike Added
 D = MSD/LCSD % Rec



Chain of Custody

Work Order No: 1074747

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
Phoenix, AZ (480) 355-0900 Atlanta, GA (770) 449-8800 Tampa, FL (813) 620-2000

www.xenco.com Page 1 of 1

| | | | |
|------------------|-----------------------|---------------------------|--|
| Project Manager: | Nick Casten | Billed to: (if different) | Gina Blair-Apinvoices-340@ghd.com |
| Company Name: | GHD | Company Name: | GHD Services Inc.- 340 |
| Address: | 2135 S. Loop 250 West | Address: | 2055 Niagara Falls Blvd. |
| City, State ZIP: | Midland, TX 79703 | City, State ZIP: | Niagara Falls, NY 14304 |
| Phone: | 225-292-9007 | Email: | Nick.Casten@ghd.com & Christopher.Knight@ghd.com & Brittany.White@ghd.com & edds@ghd.com |

| ANALYSIS REQUEST | | | | | Work Order Notes |
|---|--|--|--------------|-------|----------------------|
| Project Name: | Dollarhide | Turn Around | | | |
| Project Number: | 55270 | Routine <input checked="" type="checkbox"/> | | | |
| P.O. Number: | 34032659 | Rush: | | | |
| Sampler's Name: | M. <i>[Signature]</i> | Due Date: | | | |
| SAMPLE RECEIPT | Tempo Blank: Yes <input checked="" type="radio"/> No <input type="radio"/> | Wet Ice: Yes <input checked="" type="radio"/> No <input type="radio"/> | | | |
| Temperature (°C): | 101.5 | Thermometer ID: 128 | | | |
| Received Intact: | Yes <input checked="" type="radio"/> No <input type="radio"/> | Correction Factor: | | | |
| Cooler Custody Seals: | Yes <input checked="" type="radio"/> No <input type="radio"/> N/A | Total Containers: | | | |
| | | | | | |
| Sample Identification | Matrix | Date Sampled | Time Sampled | Depth | Number of Containers |
| NM-MW-11-200820 | GW | 10/08/20 | 1145 | - | 1 X X |
| NM-MW-12-200820 | GW | 10/08/20 | 1345 | - | 1 X X |
| NM-MW-13-200820 | GW | 10/08/20 | 1215 | - | 1 X X |
| NM-MW-15-200820 | GW | 10/08/20 | 1115 | - | 1 X X |
| NM-MW-17-200820 | GW | 10/08/20 | 1345 | - | 1 X X |
| NM-MW-20-200820 | GW | 10/08/20 | 1645 | - | 1 X X |
| NM-MW-21-200820 | GW | 10/08/20 | 1215 | - | 1 X X |
| Dup-2 | | | | | |
| | | | | | |
| | | | | | |
| TAT starts the day received by the lab, if received by 4:30pm | | | | | |
| Sample Comments | | | | | |

| Relinquished by: (Signature) | Received by: (Signature) | Date/Time | Relinquished by: (Signature) | Received by: (Signature) | Date/Time |
|------------------------------|--------------------------|-----------|------------------------------|--------------------------|-----------|
| 1 <i>[Signature]</i> | <i>[Signature]</i> | 10/9 | 2 | | |
| 3 | | | | | |
| 5 | | | | | |

Eurofins Xenco, LLC
Prelogin/Nonconformance Report- Sample Log-In

Client: GHD Services, INC- Midland

Acceptable Temperature Range: 0 - 6 degC

Date/ Time Received: 10.09.2020 10.19.00 AM

Air and Metal samples Acceptable Range: Ambient

Work Order #: 674767

Temperature Measuring device used : IR8

| Sample Receipt Checklist | Comments |
|---|----------|
| #1 *Temperature of cooler(s)? | 1.5 |
| #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)? | N/A |
| #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: AJA

PH Device/Lot#: 10BDH1991

Checklist completed by:

Brianna Teel

Date: 10.09.2020

Checklist reviewed by:

Debbie Simmons

Date: 10.12.2020

Certificate of Analysis Summary 674947

GHD Services, INC- Midland, Midland, TX

Project Name: Dollarhide

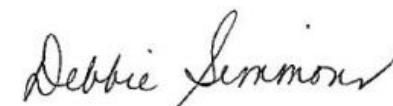
Project Id: 055270
Contact: Nick Casten
Project Location: New Mexico

Date Received in Lab: Tue 10.13.2020 08:52
Report Date: 10.22.2020 17:10
Project Manager: Debbie Simmons

| Analysis Requested | <i>Lab Id:</i> <i>Field Id:</i> <i>Depth:</i> <i>Matrix:</i> <i>Sampled:</i> | 674947-001 MW-15-W-201210 | 674947-002 MW-16-W-201210 | 674947-003 MW-14-W-201210 | 674947-004 MW-4-W-201210 | 674947-005 MW-3-W-201210 | 674947-006 MW-13-W-201210 |
|--|--|---|---|---|---|---|---|
| Inorganic Anions by EPA 300/300.1 | <i>Extracted:</i> <i>Analyzed:</i> <i>Units/RL:</i> | 10.14.2020 10:00 10.14.2020 11:37 mg/L RL | 10.14.2020 10:00 10.14.2020 11:20 mg/L RL | 10.14.2020 10:00 10.14.2020 11:42 mg/L RL | 10.14.2020 10:00 10.14.2020 11:48 mg/L RL | 10.14.2020 10:00 10.14.2020 11:54 mg/L RL | 10.14.2020 10:00 10.14.2020 12:11 mg/L RL |
| Chloride | | 1110 10.0 | 411 5.00 | 1810 25.0 | 343 5.00 | 671 5.00 | 1820 25.0 |
| TDS by SM2540C | <i>Extracted:</i> <i>Analyzed:</i> <i>Units/RL:</i> | 10.13.2020 16:38 mg/L RL |
| Total Dissolved Solids | | 2010 5.00 | 1060 5.00 | 3270 5.00 | 903 5.00 | 1380 5.00 | 4140 5.00 |

BRL - Below Reporting Limit

Houston - Dallas - Midland - Tampa - Phoenix - Lubbock - San Antonio - El Paso - Atlanta - New Mexico



Certificate of Analysis Summary 674947

GHD Services, INC- Midland, Midland, TX

Project Name: Dollarhide

Project Id: 055270

Date Received in Lab: Tue 10.13.2020 08:52

Contact: Nick Casten

Report Date: 10.22.2020 17:10

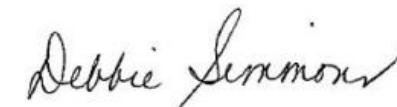
Project Location: New Mexico

Project Manager: Debbie Simmons

| Analysis Requested | <i>Lab Id:</i> <i>Field Id:</i> <i>Depth:</i> <i>Matrix:</i> <i>Sampled:</i> | 674947-007 MW-21-W-201210 | 674947-008 MW-17-W-201210 | 674947-009 MW-17-WD-201210 | 674947-010 MW-22-W-201210 | 674947-011 MW-23-W-201210 | 674947-012 MW-30-W-201210 |
|--|--|---|---|---|---|---|---|
| Inorganic Anions by EPA 300/300.1 | <i>Extracted:</i> <i>Analyzed:</i> <i>Units/RL:</i> | 10.14.2020 10:00 10.14.2020 12:16 mg/L RL | 10.14.2020 10:00 10.14.2020 12:22 mg/L RL | 10.14.2020 10:00 10.14.2020 12:27 mg/L RL | 10.14.2020 10:00 10.14.2020 12:33 mg/L RL | 10.14.2020 10:00 10.14.2020 12:56 mg/L RL | 10.14.2020 10:00 10.14.2020 13:01 mg/L RL |
| Chloride | | 6840 25.0 | 8280 50.0 | 8680 50.0 | 13000 50.0 | 5450 25.0 | 2240 25.0 |
| TDS by SM2540C | <i>Extracted:</i> <i>Analyzed:</i> <i>Units/RL:</i> | 10.13.2020 16:38 mg/L RL |
| Total Dissolved Solids | | 10900 5.00 | 13500 5.00 | 14900 5.00 | 19900 5.00 | 8810 5.00 | 4090 5.00 |

BRL - Below Reporting Limit

Houston - Dallas - Midland - Tampa - Phoenix - Lubbock - San Antonio - El Paso - Atlanta - New Mexico



Certificate of Analysis Summary 674947

GHD Services, INC- Midland, Midland, TX

Project Name: Dollarhide

Project Id: 055270

Date Received in Lab: Tue 10.13.2020 08:52

Contact: Nick Casten

Report Date: 10.22.2020 17:10

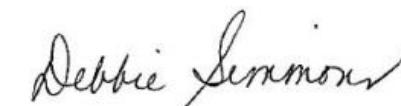
Project Location: New Mexico

Project Manager: Debbie Simmons

| Analysis Requested | Lab Id: Field Id: Depth: Matrix: Sampled: | 674947-013 Livermore-W-201210 | 674947-014 MW-5-W-201210 | 674947-015 MW-8-W-201210 | 674947-016 MW-9-W-201210 | 674947-017 DHU-FWS-W-201210 | 674947-018 MW-27-W-201210 |
|--|--|---|---|---|---|---|---|
| Inorganic Anions by EPA 300/300.1 | Extracted: Analyzed: Units/RL: | 10.14.2020 10:00 10.14.2020 13:18 mg/L RL | 10.14.2020 10:00 10.14.2020 12:39 mg/L RL | 10.14.2020 10:00 10.14.2020 13:24 mg/L RL | 10.14.2020 10:00 10.14.2020 13:29 mg/L RL | 10.14.2020 10:00 10.14.2020 13:35 mg/L RL | 10.14.2020 10:00 10.14.2020 13:41 mg/L RL |
| Chloride | | 2450 25.0 | 267 5.00 | 1040 10.0 | 2710 25.0 | 650 25.0 | 2490 25.0 |
| TDS by SM2540C | Extracted: Analyzed: Units/RL: | 10.13.2020 16:38 mg/L RL |
| Total Dissolved Solids | | 4430 5.00 | 974 5.00 | 2480 5.00 | 4270 5.00 | 3240 5.00 | 4200 5.00 |

BRL - Below Reporting Limit

Houston - Dallas - Midland - Tampa - Phoenix - Lubbock - San Antonio - El Paso - Atlanta - New Mexico



Certificate of Analysis Summary 674947

GHD Services, INC- Midland, Midland, TX

Project Name: Dollarhide

Project Id: 055270

Date Received in Lab: Tue 10.13.2020 08:52

Contact: Nick Casten

Report Date: 10.22.2020 17:10

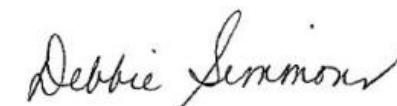
Project Location: New Mexico

Project Manager: Debbie Simmons

| Analysis Requested | <i>Lab Id:</i> <i>Field Id:</i> <i>Depth:</i> <i>Matrix:</i> <i>Sampled:</i> | 674947-019 MW-20-W-201210 GROUND WATER 10.12.2020 14:45 | 674947-020 MW-10-W-201210 GROUND WATER 10.12.2020 15:15 | 674947-021 MW-10-WD-201210 GROUND WATER 10.12.2020 15:15 | 674947-022 MW-26-W-201210 GROUND WATER 10.12.2020 15:30 | 674947-023 MW-24-W-201210 GROUND WATER 10.12.2020 15:45 | 674947-024 MW-19-W-201210 GROUND WATER 10.12.2020 16:00 |
|--|--|--|--|---|--|--|--|
| Inorganic Anions by EPA 300/300.1 | <i>Extracted:</i> <i>Analyzed:</i> <i>Units/RL:</i> | 10.14.2020 10:00 10.14.2020 13:46 mg/L RL | 10.14.2020 10:00 10.14.2020 13:52 mg/L RL | 10.15.2020 10:30 10.15.2020 11:34 mg/L RL | 10.15.2020 10:30 10.15.2020 11:39 mg/L RL | 10.15.2020 10:30 10.15.2020 11:44 mg/L RL | 10.15.2020 10:30 10.15.2020 11:49 mg/L RL |
| Chloride | | 1350 10.0 | 5270 25.0 | 4990 25.0 | 1500 25.0 | 4330 25.0 | 7990 50.0 |
| TDS by SM2540C | <i>Extracted:</i> <i>Analyzed:</i> <i>Units/RL:</i> | 10.13.2020 16:38 mg/L RL | 10.13.2020 16:38 mg/L RL | 10.13.2020 16:38 mg/L RL | 10.13.2020 16:38 mg/L RL | 10.13.2020 16:38 mg/L RL | 10.13.2020 16:38 mg/L RL |
| Total Dissolved Solids | | 2470 5.00 | 8250 5.00 | 8340 5.00 | 3320 5.00 | 9440 5.00 | 16800 5.00 |

BRL - Below Reporting Limit

Houston - Dallas - Midland - Tampa - Phoenix - Lubbock - San Antonio - El Paso - Atlanta - New Mexico



Certificate of Analysis Summary 674947

GHD Services, INC- Midland, Midland, TX

Project Name: Dollarhide

Project Id: 055270

Date Received in Lab: Tue 10.13.2020 08:52

Contact: Nick Casten

Report Date: 10.22.2020 17:10

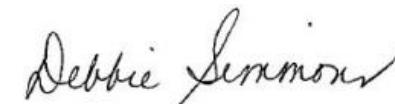
Project Location: New Mexico

Project Manager: Debbie Simmons

| Analysis Requested | <i>Lab Id:</i> 674947-025 | <i>Field Id:</i> MW-18-W-201210 | <i>Depth:</i> MW-25-W-201210 | <i>Matrix:</i> GROUND WATER | <i>Sampled:</i> 10.12.2020 16:15 | <i>Lab Id:</i> 674947-026 | <i>Field Id:</i> MW-12-W-201210 | <i>Depth:</i> MW-31-W-201210 | <i>Matrix:</i> GROUND WATER | <i>Sampled:</i> 10.12.2020 16:30 | <i>Lab Id:</i> 674947-027 | <i>Field Id:</i> MW-11-W-201210 | <i>Depth:</i> MW-6-W-201210 | <i>Matrix:</i> GROUND WATER | <i>Sampled:</i> 10.12.2020 16:45 | <i>Lab Id:</i> 674947-028 | <i>Field Id:</i> 10.12.2020 17:00 | <i>Depth:</i> GROUND WATER | <i>Matrix:</i> GROUND WATER | <i>Sampled:</i> 10.12.2020 17:15 | <i>Lab Id:</i> 674947-029 | <i>Field Id:</i> 10.12.2020 17:15 | <i>Depth:</i> GROUND WATER | <i>Matrix:</i> GROUND WATER | <i>Sampled:</i> 10.12.2020 17:30 | | | | |
|--|---------------------------------------|------------------------------------|---------------------------------|--------------------------------|-------------------------------------|---------------------------------------|------------------------------------|---------------------------------|--------------------------------|-------------------------------------|---------------------------------------|------------------------------------|--------------------------------|--------------------------------|-------------------------------------|---------------------------------------|--------------------------------------|-------------------------------|--------------------------------|-------------------------------------|---------------------------------------|--------------------------------------|-------------------------------|--------------------------------|---------------------------------------|------|------|--|--|
| Inorganic Anions by EPA 300/300.1 | <i>Extracted:</i> 10.15.2020 10:30 | | | | | <i>Extracted:</i> 10.15.2020 10:30 | | | | | <i>Extracted:</i> 10.15.2020 10:30 | | | | | <i>Extracted:</i> 10.15.2020 10:30 | | | | | <i>Extracted:</i> 10.15.2020 10:30 | | | | | | | | |
| | <i>Analyzed:</i> 10.15.2020 12:10 | | | | | <i>Analyzed:</i> 10.15.2020 12:15 | | | | | <i>Analyzed:</i> 10.15.2020 12:20 | | | | | <i>Analyzed:</i> 10.15.2020 12:25 | | | | | <i>Analyzed:</i> 10.15.2020 12:31 | | | | | | | | |
| | <i>Units/RL:</i> mg/L RL | | | | | <i>Units/RL:</i> mg/L RL | | | | | <i>Units/RL:</i> mg/L RL | | | | | <i>Units/RL:</i> mg/L RL | | | | | <i>Units/RL:</i> mg/L RL | | | | | | | | |
| Chloride | | 21600 | 100 | | | | 24100 | 100 | | | | 13600 | 50.0 | | | | 10200 | 50.0 | | | | 68.2 | 50.0 | | | 423 | 10.0 | | |
| TDS by SM2540C | <i>Extracted:</i> 10.13.2020 16:38 | | | | | <i>Extracted:</i> 10.13.2020 16:38 | | | | | <i>Extracted:</i> 10.13.2020 16:38 | | | | | <i>Extracted:</i> 10.13.2020 16:38 | | | | | <i>Extracted:</i> 10.13.2020 16:38 | | | | <i>Extracted:</i> 10.13.2020 16:38 | | | | |
| | <i>Analyzed:</i> mg/L RL | | | | | <i>Analyzed:</i> mg/L RL | | | | | <i>Analyzed:</i> mg/L RL | | | | | <i>Analyzed:</i> mg/L RL | | | | | <i>Analyzed:</i> mg/L RL | | | | <i>Analyzed:</i> mg/L RL | | | | |
| Total Dissolved Solids | | 34100 | 5.00 | | | | 36900 | 5.00 | | | | 24700 | 5.00 | | | | 16700 | 5.00 | | | | 11800 | 5.00 | | | 1440 | 5.00 | | |

BRL - Below Reporting Limit

Houston - Dallas - Midland - Tampa - Phoenix - Lubbock - San Antonio - El Paso - Atlanta - New Mexico



Analytical Report 674947

for

GHD Services, INC- Midland

Project Manager: Nick Casten

Dollarhide

055270

10.22.2020

Collected By: Client



**1211 W. Florida Ave
Midland TX 79701**

Xenco-Houston (EPA Lab Code: TX00122):
Texas (T104704215-20-38), Arizona (AZ0765), Florida (E871002-33), Louisiana (03054)
Oklahoma (2020-014), North Carolina (681), Arkansas (20-035-0)

Xenco-Dallas (EPA Lab Code: TX01468):
Texas (T104704295-20-26), Arizona (AZ0809)

Xenco-El Paso (EPA Lab Code: TX00127): Texas (T104704221-20-18)
Xenco-Lubbock (EPA Lab Code: TX00139): Texas (T104704219-20-23)
Xenco-Midland (EPA Lab Code: TX00158): Texas (T104704400-19-21)
Xenco-Carlsbad (LELAP): Louisiana (05092)
Xenco-San Antonio (EPA Lab Code: TNI02385): Texas (T104704534-20-8)
Xenco-Tampa: Florida (E87429), North Carolina (483)



10.22.2020

Project Manager: **Nick Casten**

GHD Services, INC- Midland

2135 S Loop 250 W
Midland, TX 79703

Reference: Eurofins Xenco, LLC Report No(s): **674947**

Dollarhide

Project Address: New Mexico

Nick Casten:

We are reporting to you the results of the analyses performed on the samples received under the project name referenced above and identified with the Eurofins Xenco, LLC Report Number(s) 674947. All results being reported under this Report Number apply to the samples analyzed and properly identified with a Laboratory ID number. Subcontracted analyses are identified in this report with either the NELAC certification number of the subcontract lab in the analyst ID field, or the complete subcontracted report attached to this report.

Unless otherwise noted in a Case Narrative, all data reported in this Analytical Report are in compliance with NELAC standards. The uncertainty of measurement associated with the results of analysis reported is available upon request. Should insufficient sample be provided to the laboratory to meet the method and NELAC Matrix Duplicate and Matrix Spike requirements, then the data will be analyzed, evaluated and reported using all other available quality control measures.

The validity and integrity of this report will remain intact as long as it is accompanied by this letter and reproduced in full, unless written approval is granted by Eurofins Xenco, LLC. This report will be filed for at least 5 years in our archives after which time it will be destroyed without further notice, unless otherwise arranged with you. The samples received, and described as recorded in Report No. 674947 will be filed for 45 days, and after that time they will be properly disposed without further notice, unless otherwise arranged with you. We reserve the right to return to you any unused samples, extracts or solutions related to them if we consider so necessary (e.g., samples identified as hazardous waste, sample sizes exceeding analytical standard practices, controlled substances under regulated protocols, etc).

We thank you for selecting Eurofins Xenco, LLC to serve your analytical needs. If you have any questions concerning this report, please feel free to contact us at any time.

Respectfully,

A handwritten signature in black ink that reads "Debbie Simmons".

Debbie Simmons

Project Manager

A Small Business and Minority Company

Houston - Dallas - Midland - Tampa - Phoenix - Lubbock - San Antonio - El Paso - Atlanta - New Mexico

Sample Cross Reference 674947**GHD Services, INC- Midland, Midland, TX**

Dollarhide

| Sample Id | Matrix | Date Collected | Sample Depth | Lab Sample Id |
|--------------------|--------|------------------|--------------|---------------|
| MW-15-W-201210 | W | 10.12.2020 10:15 | | 674947-001 |
| MW-16-W-201210 | W | 10.12.2020 10:30 | | 674947-002 |
| MW-14-W-201210 | W | 10.12.2020 10:45 | | 674947-003 |
| MW-4-W-201210 | W | 10.12.2020 11:00 | | 674947-004 |
| MW-3-W-201210 | W | 10.12.2020 11:15 | | 674947-005 |
| MW-13-W-201210 | W | 10.12.2020 11:30 | | 674947-006 |
| MW-21-W-201210 | W | 10.12.2020 11:45 | | 674947-007 |
| MW-17-W-201210 | W | 10.12.2020 12:15 | | 674947-008 |
| MW-17-WD-201210 | W | 10.12.2020 12:15 | | 674947-009 |
| MW-22-W-201210 | W | 10.12.2020 12:30 | | 674947-010 |
| MW-23-W-201210 | W | 10.12.2020 12:45 | | 674947-011 |
| MW-30-W-201210 | W | 10.12.2020 13:00 | | 674947-012 |
| Livermore-W-201210 | W | 10.12.2020 13:15 | | 674947-013 |
| MW-5-W-201210 | W | 10.12.2020 13:30 | | 674947-014 |
| MW-8-W-201210 | W | 10.12.2020 13:45 | | 674947-015 |
| MW-9-W-201210 | W | 10.12.2020 14:00 | | 674947-016 |
| DHU-FWS-W-201210 | W | 10.12.2020 14:15 | | 674947-017 |
| MW-27-W-201210 | W | 10.12.2020 14:30 | | 674947-018 |
| MW-20-W-201210 | W | 10.12.2020 14:45 | | 674947-019 |
| MW-10-W-201210 | W | 10.12.2020 15:15 | | 674947-020 |
| MW-10-WD-201210 | W | 10.12.2020 15:15 | | 674947-021 |
| MW-26-W-201210 | W | 10.12.2020 15:30 | | 674947-022 |
| MW-24-W-201210 | W | 10.12.2020 15:45 | | 674947-023 |
| MW-19-W-201210 | W | 10.12.2020 16:00 | | 674947-024 |
| MW-18-W-201210 | W | 10.12.2020 16:15 | | 674947-025 |
| MW-25-W-201210 | W | 10.12.2020 16:30 | | 674947-026 |
| MW-12-W-201210 | W | 10.12.2020 16:45 | | 674947-027 |
| MW-31-W-201210 | W | 10.12.2020 17:00 | | 674947-028 |
| MW-11-W-201210 | W | 10.12.2020 17:15 | | 674947-029 |
| MW-6-W-201210 | W | 10.12.2020 17:30 | | 674947-030 |



CASE NARRATIVE

Client Name: GHD Services, INC- Midland
Project Name: Dollarhide

Project ID: 055270
Work Order Number(s): 674947

Report Date: 10.22.2020
Date Received: 10.13.2020

Sample receipt non conformances and comments:

Sample receipt non conformances and comments per sample:

None

Certificate of Analytical Results 674947

GHD Services, INC- Midland, Midland, TX

Dollarhide

Sample Id: **MW-15-W-201210** Matrix: Ground Water Date Received: 10.13.2020 08:52
 Lab Sample Id: 674947-001 Date Collected: 10.12.2020 10:15

Analytical Method: Inorganic Anions by EPA 300/300.1 Prep Method: E300P

Tech: CHE

Analyst: CHE

Seq Number: 3139735

Date Prep: 10.14.2020 10:00

% Moisture:

| Parameter | Cas Number | Result | RL | MDL | Units | Analysis Date | Flag | Dil |
|-----------|------------|--------|------|-------|-------|------------------|------|-----|
| Chloride | 16887-00-6 | 1110 | 10.0 | 0.421 | mg/L | 10.14.2020 11:37 | | 20 |

Analytical Method: TDS by SM2540C

Tech: CHE

Analyst: CHE

Seq Number: 3139939

% Moisture:

| Parameter | Cas Number | Result | RL | MDL | Units | Analysis Date | Flag | Dil |
|------------------------|------------|--------|------|------|-------|------------------|------|-----|
| Total Dissolved Solids | 1642222 | 2010 | 5.00 | 5.00 | mg/L | 10.13.2020 16:38 | | 1 |

Certificate of Analytical Results 674947

GHD Services, INC- Midland, Midland, TX

Dollarhide

Sample Id: **MW-16-W-201210** Matrix: Ground Water Date Received: 10.13.2020 08:52
 Lab Sample Id: 674947-002 Date Collected: 10.12.2020 10:30

Analytical Method: Inorganic Anions by EPA 300/300.1 Prep Method: E300P

Tech: CHE

Analyst: CHE

Seq Number: 3139735

Date Prep: 10.14.2020 10:00

% Moisture:

| Parameter | Cas Number | Result | RL | MDL | Units | Analysis Date | Flag | Dil |
|-----------|------------|--------|------|-------|-------|------------------|------|-----|
| Chloride | 16887-00-6 | 411 | 5.00 | 0.210 | mg/L | 10.14.2020 11:20 | | 10 |

Analytical Method: TDS by SM2540C

Tech: CHE

Analyst: CHE

Seq Number: 3139939

% Moisture:

| Parameter | Cas Number | Result | RL | MDL | Units | Analysis Date | Flag | Dil |
|------------------------|------------|--------|------|------|-------|------------------|------|-----|
| Total Dissolved Solids | 1642222 | 1060 | 5.00 | 5.00 | mg/L | 10.13.2020 16:38 | | 1 |

Certificate of Analytical Results 674947

GHD Services, INC- Midland, Midland, TX

Dollarhide

Sample Id: **MW-14-W-201210** Matrix: Ground Water Date Received: 10.13.2020 08:52
 Lab Sample Id: 674947-003 Date Collected: 10.12.2020 10:45

Analytical Method: Inorganic Anions by EPA 300/300.1 Prep Method: E300P

Tech: CHE

Analyst: CHE

Seq Number: 3139735

Date Prep: 10.14.2020 10:00

% Moisture:

| Parameter | Cas Number | Result | RL | MDL | Units | Analysis Date | Flag | Dil |
|-----------|------------|--------|------|------|-------|------------------|------|-----|
| Chloride | 16887-00-6 | 1810 | 25.0 | 1.05 | mg/L | 10.14.2020 11:42 | | 50 |

Analytical Method: TDS by SM2540C

Tech: CHE

Analyst: CHE

Seq Number: 3139939

% Moisture:

| Parameter | Cas Number | Result | RL | MDL | Units | Analysis Date | Flag | Dil |
|------------------------|------------|--------|------|------|-------|------------------|------|-----|
| Total Dissolved Solids | 1642222 | 3270 | 5.00 | 5.00 | mg/L | 10.13.2020 16:38 | | 1 |

Certificate of Analytical Results 674947

GHD Services, INC- Midland, Midland, TX

Dollarhide

Sample Id: **MW-4-W-201210** Matrix: Ground Water Date Received: 10.13.2020 08:52
 Lab Sample Id: 674947-004 Date Collected: 10.12.2020 11:00

Analytical Method: Inorganic Anions by EPA 300/300.1 Prep Method: E300P

Tech: CHE

Analyst: CHE

Seq Number: 3139735

Date Prep: 10.14.2020 10:00

% Moisture:

| Parameter | Cas Number | Result | RL | MDL | Units | Analysis Date | Flag | Dil |
|-----------|------------|--------|------|-------|-------|------------------|------|-----|
| Chloride | 16887-00-6 | 343 | 5.00 | 0.210 | mg/L | 10.14.2020 11:48 | | 10 |

Analytical Method: TDS by SM2540C

Tech: CHE

Analyst: CHE

Seq Number: 3139939

% Moisture:

| Parameter | Cas Number | Result | RL | MDL | Units | Analysis Date | Flag | Dil |
|------------------------|------------|--------|------|------|-------|------------------|------|-----|
| Total Dissolved Solids | 1642222 | 903 | 5.00 | 5.00 | mg/L | 10.13.2020 16:38 | | 1 |

Certificate of Analytical Results 674947

GHD Services, INC- Midland, Midland, TX

Dollarhide

Sample Id: **MW-3-W-201210** Matrix: Ground Water Date Received: 10.13.2020 08:52
 Lab Sample Id: 674947-005 Date Collected: 10.12.2020 11:15

Analytical Method: Inorganic Anions by EPA 300/300.1 Prep Method: E300P

Tech: CHE

Analyst: CHE

Seq Number: 3139735

Date Prep: 10.14.2020 10:00

% Moisture:

| Parameter | Cas Number | Result | RL | MDL | Units | Analysis Date | Flag | Dil |
|-----------|------------|--------|------|-------|-------|------------------|------|-----|
| Chloride | 16887-00-6 | 671 | 5.00 | 0.210 | mg/L | 10.14.2020 11:54 | | 10 |

Analytical Method: TDS by SM2540C

Tech: CHE

Analyst: CHE

Seq Number: 3139939

% Moisture:

| Parameter | Cas Number | Result | RL | MDL | Units | Analysis Date | Flag | Dil |
|------------------------|------------|--------|------|------|-------|------------------|------|-----|
| Total Dissolved Solids | 1642222 | 1380 | 5.00 | 5.00 | mg/L | 10.13.2020 16:38 | | 1 |

Certificate of Analytical Results 674947

GHD Services, INC- Midland, Midland, TX

Dollarhide

Sample Id: **MW-13-W-201210** Matrix: Ground Water Date Received: 10.13.2020 08:52
 Lab Sample Id: 674947-006 Date Collected: 10.12.2020 11:30

Analytical Method: Inorganic Anions by EPA 300/300.1 Prep Method: E300P

Tech: CHE

Analyst: CHE

Seq Number: 3139735

Date Prep: 10.14.2020 10:00

% Moisture:

| Parameter | Cas Number | Result | RL | MDL | Units | Analysis Date | Flag | Dil |
|-----------|------------|--------|------|------|-------|------------------|------|-----|
| Chloride | 16887-00-6 | 1820 | 25.0 | 1.05 | mg/L | 10.14.2020 12:11 | | 50 |

Analytical Method: TDS by SM2540C

Tech: CHE

Analyst: CHE

Seq Number: 3139939

% Moisture:

| Parameter | Cas Number | Result | RL | MDL | Units | Analysis Date | Flag | Dil |
|------------------------|------------|--------|------|------|-------|------------------|------|-----|
| Total Dissolved Solids | 1642222 | 4140 | 5.00 | 5.00 | mg/L | 10.13.2020 16:38 | | 1 |

Certificate of Analytical Results 674947

GHD Services, INC- Midland, Midland, TX

Dollarhide

Sample Id: **MW-21-W-201210** Matrix: Ground Water Date Received: 10.13.2020 08:52
 Lab Sample Id: 674947-007 Date Collected: 10.12.2020 11:45

Analytical Method: Inorganic Anions by EPA 300/300.1 Prep Method: E300P

Tech: CHE

Analyst: CHE

Seq Number: 3139735

Date Prep: 10.14.2020 10:00

% Moisture:

| Parameter | Cas Number | Result | RL | MDL | Units | Analysis Date | Flag | Dil |
|-----------|------------|-------------|------|------|-------|------------------|------|-----|
| Chloride | 16887-00-6 | 6840 | 25.0 | 1.05 | mg/L | 10.14.2020 12:16 | | 50 |

Analytical Method: TDS by SM2540C

Tech: CHE

Analyst: CHE

Seq Number: 3139939

% Moisture:

| Parameter | Cas Number | Result | RL | MDL | Units | Analysis Date | Flag | Dil |
|------------------------|------------|--------------|------|------|-------|------------------|------|-----|
| Total Dissolved Solids | 1642222 | 10900 | 5.00 | 5.00 | mg/L | 10.13.2020 16:38 | | 1 |

Certificate of Analytical Results 674947

GHD Services, INC- Midland, Midland, TX

Dollarhide

Sample Id: **MW-17-W-201210** Matrix: Ground Water Date Received: 10.13.2020 08:52
 Lab Sample Id: 674947-008 Date Collected: 10.12.2020 12:15

Analytical Method: Inorganic Anions by EPA 300/300.1 Prep Method: E300P

Tech: CHE

Analyst: CHE

Seq Number: 3139735

Date Prep: 10.14.2020 10:00

% Moisture:

| Parameter | Cas Number | Result | RL | MDL | Units | Analysis Date | Flag | Dil |
|-----------|------------|-------------|------|------|-------|------------------|------|-----|
| Chloride | 16887-00-6 | 8280 | 50.0 | 2.10 | mg/L | 10.14.2020 12:22 | | 100 |

Analytical Method: TDS by SM2540C

Tech: CHE

Analyst: CHE

Seq Number: 3139939

% Moisture:

| Parameter | Cas Number | Result | RL | MDL | Units | Analysis Date | Flag | Dil |
|------------------------|------------|--------------|------|------|-------|------------------|------|-----|
| Total Dissolved Solids | 1642222 | 13500 | 5.00 | 5.00 | mg/L | 10.13.2020 16:38 | | 1 |

Certificate of Analytical Results 674947

GHD Services, INC- Midland, Midland, TX

Dollarhide

Sample Id: **MW-17-WD-201210** Matrix: Ground Water Date Received: 10.13.2020 08:52
 Lab Sample Id: 674947-009 Date Collected: 10.12.2020 12:15

Analytical Method: Inorganic Anions by EPA 300/300.1 Prep Method: E300P

Tech: CHE

Analyst: CHE

Seq Number: 3139735

Date Prep: 10.14.2020 10:00

% Moisture:

| Parameter | Cas Number | Result | RL | MDL | Units | Analysis Date | Flag | Dil |
|-----------|------------|-------------|------|------|-------|------------------|------|-----|
| Chloride | 16887-00-6 | 8680 | 50.0 | 2.10 | mg/L | 10.14.2020 12:27 | | 100 |

Analytical Method: TDS by SM2540C

Tech: CHE

Analyst: CHE

Seq Number: 3139939

% Moisture:

| Parameter | Cas Number | Result | RL | MDL | Units | Analysis Date | Flag | Dil |
|------------------------|------------|--------------|------|------|-------|------------------|------|-----|
| Total Dissolved Solids | 1642222 | 14900 | 5.00 | 5.00 | mg/L | 10.13.2020 16:38 | | 1 |

Certificate of Analytical Results 674947

GHD Services, INC- Midland, Midland, TX

Dollarhide

Sample Id: **MW-22-W-201210** Matrix: Ground Water Date Received: 10.13.2020 08:52
 Lab Sample Id: 674947-010 Date Collected: 10.12.2020 12:30

Analytical Method: Inorganic Anions by EPA 300/300.1 Prep Method: E300P

Tech: CHE

Analyst: CHE

Seq Number: 3139735

Date Prep: 10.14.2020 10:00

% Moisture:

| Parameter | Cas Number | Result | RL | MDL | Units | Analysis Date | Flag | Dil |
|-----------|------------|--------|------|------|-------|------------------|------|-----|
| Chloride | 16887-00-6 | 13000 | 50.0 | 2.10 | mg/L | 10.14.2020 12:33 | | 100 |

Analytical Method: TDS by SM2540C

Tech: CHE

Analyst: CHE

Seq Number: 3139939

% Moisture:

| Parameter | Cas Number | Result | RL | MDL | Units | Analysis Date | Flag | Dil |
|------------------------|------------|--------|------|------|-------|------------------|------|-----|
| Total Dissolved Solids | 1642222 | 19900 | 5.00 | 5.00 | mg/L | 10.13.2020 16:38 | | 1 |

Certificate of Analytical Results 674947

GHD Services, INC- Midland, Midland, TX

Dollarhide

Sample Id: **MW-23-W-201210** Matrix: Ground Water Date Received: 10.13.2020 08:52
 Lab Sample Id: 674947-011 Date Collected: 10.12.2020 12:45

Analytical Method: Inorganic Anions by EPA 300/300.1 Prep Method: E300P

Tech: CHE

Analyst: CHE

Seq Number: 3139735

Date Prep: 10.14.2020 10:00

% Moisture:

| Parameter | Cas Number | Result | RL | MDL | Units | Analysis Date | Flag | Dil |
|-----------|------------|-------------|------|------|-------|------------------|------|-----|
| Chloride | 16887-00-6 | 5450 | 25.0 | 1.05 | mg/L | 10.14.2020 12:56 | | 50 |

Analytical Method: TDS by SM2540C

Tech: CHE

Analyst: CHE

Seq Number: 3139939

% Moisture:

| Parameter | Cas Number | Result | RL | MDL | Units | Analysis Date | Flag | Dil |
|------------------------|------------|-------------|------|------|-------|------------------|------|-----|
| Total Dissolved Solids | 1642222 | 8810 | 5.00 | 5.00 | mg/L | 10.13.2020 16:38 | | 1 |

Certificate of Analytical Results 674947

GHD Services, INC- Midland, Midland, TX

Dollarhide

Sample Id: **MW-30-W-201210** Matrix: Ground Water Date Received: 10.13.2020 08:52
 Lab Sample Id: 674947-012 Date Collected: 10.12.2020 13:00

Analytical Method: Inorganic Anions by EPA 300/300.1 Prep Method: E300P

Tech: CHE

Analyst: CHE

Seq Number: 3139735

Date Prep: 10.14.2020 10:00

% Moisture:

| Parameter | Cas Number | Result | RL | MDL | Units | Analysis Date | Flag | Dil |
|-----------|------------|--------|------|------|-------|------------------|------|-----|
| Chloride | 16887-00-6 | 2240 | 25.0 | 1.05 | mg/L | 10.14.2020 13:01 | | 50 |

Analytical Method: TDS by SM2540C

Tech: CHE

Analyst: CHE

Seq Number: 3139939

% Moisture:

| Parameter | Cas Number | Result | RL | MDL | Units | Analysis Date | Flag | Dil |
|------------------------|------------|--------|------|------|-------|------------------|------|-----|
| Total Dissolved Solids | 1642222 | 4090 | 5.00 | 5.00 | mg/L | 10.13.2020 16:38 | | 1 |

Certificate of Analytical Results 674947

GHD Services, INC- Midland, Midland, TX

Dollarhide

Sample Id: **Livermore-W-201210**

Matrix: Ground Water

Date Received: 10.13.2020 08:52

Lab Sample Id: 674947-013

Date Collected: 10.12.2020 13:15

Analytical Method: Inorganic Anions by EPA 300/300.1

Prep Method: E300P

Tech: CHE

Analyst: CHE

Date Prep: 10.14.2020 10:00

% Moisture:

Seq Number: 3139735

| Parameter | Cas Number | Result | RL | MDL | Units | Analysis Date | Flag | Dil |
|-----------|------------|--------|------|------|-------|------------------|------|-----|
| Chloride | 16887-00-6 | 2450 | 25.0 | 1.05 | mg/L | 10.14.2020 13:18 | | 50 |

Analytical Method: TDS by SM2540C

Tech: CHE

Analyst: CHE

% Moisture:

Seq Number: 3139939

| Parameter | Cas Number | Result | RL | MDL | Units | Analysis Date | Flag | Dil |
|------------------------|------------|--------|------|------|-------|------------------|------|-----|
| Total Dissolved Solids | 1642222 | 4430 | 5.00 | 5.00 | mg/L | 10.13.2020 16:38 | | 1 |

Certificate of Analytical Results 674947

GHD Services, INC- Midland, Midland, TX

Dollarhide

Sample Id: **MW-5-W-201210** Matrix: Ground Water Date Received: 10.13.2020 08:52
 Lab Sample Id: 674947-014 Date Collected: 10.12.2020 13:30

Analytical Method: Inorganic Anions by EPA 300/300.1 Prep Method: E300P

Tech: CHE

Analyst: CHE

Seq Number: 3139735

Date Prep: 10.14.2020 10:00

% Moisture:

| Parameter | Cas Number | Result | RL | MDL | Units | Analysis Date | Flag | Dil |
|-----------|------------|--------|------|-------|-------|------------------|------|-----|
| Chloride | 16887-00-6 | 267 | 5.00 | 0.210 | mg/L | 10.14.2020 12:39 | | 10 |

Analytical Method: TDS by SM2540C

Tech: CHE

Analyst: CHE

Seq Number: 3139939

% Moisture:

| Parameter | Cas Number | Result | RL | MDL | Units | Analysis Date | Flag | Dil |
|------------------------|------------|--------|------|------|-------|------------------|------|-----|
| Total Dissolved Solids | 1642222 | 974 | 5.00 | 5.00 | mg/L | 10.13.2020 16:38 | | 1 |

Certificate of Analytical Results 674947

GHD Services, INC- Midland, Midland, TX

Dollarhide

Sample Id: **MW-8-W-201210** Matrix: Ground Water Date Received: 10.13.2020 08:52
 Lab Sample Id: 674947-015 Date Collected: 10.12.2020 13:45

Analytical Method: Inorganic Anions by EPA 300/300.1 Prep Method: E300P

Tech: CHE

Analyst: CHE

Seq Number: 3139735

Date Prep: 10.14.2020 10:00

% Moisture:

| Parameter | Cas Number | Result | RL | MDL | Units | Analysis Date | Flag | Dil |
|-----------|------------|--------|------|-------|-------|------------------|------|-----|
| Chloride | 16887-00-6 | 1040 | 10.0 | 0.421 | mg/L | 10.14.2020 13:24 | | 20 |

Analytical Method: TDS by SM2540C

Tech: CHE

Analyst: CHE

Seq Number: 3139939

% Moisture:

| Parameter | Cas Number | Result | RL | MDL | Units | Analysis Date | Flag | Dil |
|------------------------|------------|--------|------|------|-------|------------------|------|-----|
| Total Dissolved Solids | 1642222 | 2480 | 5.00 | 5.00 | mg/L | 10.13.2020 16:38 | | 1 |

Certificate of Analytical Results 674947

GHD Services, INC- Midland, Midland, TX

Dollarhide

Sample Id: **MW-9-W-201210** Matrix: Ground Water Date Received: 10.13.2020 08:52
 Lab Sample Id: 674947-016 Date Collected: 10.12.2020 14:00

Analytical Method: Inorganic Anions by EPA 300/300.1 Prep Method: E300P

Tech: CHE

Analyst: CHE

Seq Number: 3139735

Date Prep: 10.14.2020 10:00

% Moisture:

| Parameter | Cas Number | Result | RL | MDL | Units | Analysis Date | Flag | Dil |
|-----------|------------|--------|------|------|-------|------------------|------|-----|
| Chloride | 16887-00-6 | 2710 | 25.0 | 1.05 | mg/L | 10.14.2020 13:29 | | 50 |

Analytical Method: TDS by SM2540C

Tech: CHE

Analyst: CHE

Seq Number: 3139939

% Moisture:

| Parameter | Cas Number | Result | RL | MDL | Units | Analysis Date | Flag | Dil |
|------------------------|------------|--------|------|------|-------|------------------|------|-----|
| Total Dissolved Solids | 1642222 | 4270 | 5.00 | 5.00 | mg/L | 10.13.2020 16:38 | | 1 |

Certificate of Analytical Results 674947

GHD Services, INC- Midland, Midland, TX

Dollarhide

Sample Id: **DHU-FWS-W-201210** Matrix: Ground Water Date Received: 10.13.2020 08:52
 Lab Sample Id: 674947-017 Date Collected: 10.12.2020 14:15

Analytical Method: Inorganic Anions by EPA 300/300.1 Prep Method: E300P

Tech: CHE

Analyst: CHE

Seq Number: 3139735

Date Prep: 10.14.2020 10:00

% Moisture:

| Parameter | Cas Number | Result | RL | MDL | Units | Analysis Date | Flag | Dil |
|-----------|------------|--------|------|------|-------|------------------|------|-----|
| Chloride | 16887-00-6 | 650 | 25.0 | 1.05 | mg/L | 10.14.2020 13:35 | | 50 |

Analytical Method: TDS by SM2540C

Tech: CHE

Analyst: CHE

Seq Number: 3139939

% Moisture:

| Parameter | Cas Number | Result | RL | MDL | Units | Analysis Date | Flag | Dil |
|------------------------|------------|--------|------|------|-------|------------------|------|-----|
| Total Dissolved Solids | 1642222 | 3240 | 5.00 | 5.00 | mg/L | 10.13.2020 16:38 | | 1 |

Certificate of Analytical Results 674947

GHD Services, INC- Midland, Midland, TX

Dollarhide

Sample Id: **MW-27-W-201210** Matrix: Ground Water Date Received: 10.13.2020 08:52
 Lab Sample Id: 674947-018 Date Collected: 10.12.2020 14:30

Analytical Method: Inorganic Anions by EPA 300/300.1 Prep Method: E300P

Tech: CHE

Analyst: CHE

Seq Number: 3139735

Date Prep: 10.14.2020 10:00

% Moisture:

| Parameter | Cas Number | Result | RL | MDL | Units | Analysis Date | Flag | Dil |
|-----------|------------|--------|------|------|-------|------------------|------|-----|
| Chloride | 16887-00-6 | 2490 | 25.0 | 1.05 | mg/L | 10.14.2020 13:41 | | 50 |

Analytical Method: TDS by SM2540C

Tech: CHE

Analyst: CHE

Seq Number: 3139939

% Moisture:

| Parameter | Cas Number | Result | RL | MDL | Units | Analysis Date | Flag | Dil |
|------------------------|------------|--------|------|------|-------|------------------|------|-----|
| Total Dissolved Solids | 1642222 | 4200 | 5.00 | 5.00 | mg/L | 10.13.2020 16:38 | | 1 |

Certificate of Analytical Results 674947

GHD Services, INC- Midland, Midland, TX

Dollarhide

Sample Id: **MW-20-W-201210** Matrix: Ground Water Date Received: 10.13.2020 08:52
 Lab Sample Id: 674947-019 Date Collected: 10.12.2020 14:45

Analytical Method: Inorganic Anions by EPA 300/300.1 Prep Method: E300P

Tech: CHE

Analyst: CHE

Seq Number: 3139735

Date Prep: 10.14.2020 10:00

% Moisture:

| Parameter | Cas Number | Result | RL | MDL | Units | Analysis Date | Flag | Dil |
|-----------|------------|--------|------|-------|-------|------------------|------|-----|
| Chloride | 16887-00-6 | 1350 | 10.0 | 0.421 | mg/L | 10.14.2020 13:46 | | 20 |

Analytical Method: TDS by SM2540C

Tech: CHE

Analyst: CHE

Seq Number: 3139939

% Moisture:

| Parameter | Cas Number | Result | RL | MDL | Units | Analysis Date | Flag | Dil |
|------------------------|------------|--------|------|------|-------|------------------|------|-----|
| Total Dissolved Solids | 1642222 | 2470 | 5.00 | 5.00 | mg/L | 10.13.2020 16:38 | | 1 |

Certificate of Analytical Results 674947

GHD Services, INC- Midland, Midland, TX

Dollarhide

Sample Id: **MW-10-W-201210** Matrix: Ground Water Date Received: 10.13.2020 08:52
 Lab Sample Id: 674947-020 Date Collected: 10.12.2020 15:15

Analytical Method: Inorganic Anions by EPA 300/300.1 Prep Method: E300P

Tech: CHE

Analyst: CHE

Seq Number: 3139735

Date Prep: 10.14.2020 10:00

% Moisture:

| Parameter | Cas Number | Result | RL | MDL | Units | Analysis Date | Flag | Dil |
|-----------|------------|--------|------|------|-------|------------------|------|-----|
| Chloride | 16887-00-6 | 5270 | 25.0 | 1.05 | mg/L | 10.14.2020 13:52 | | 50 |

Analytical Method: TDS by SM2540C

Tech: CHE

Analyst: CHE

Seq Number: 3139939

% Moisture:

| Parameter | Cas Number | Result | RL | MDL | Units | Analysis Date | Flag | Dil |
|------------------------|------------|--------|------|------|-------|------------------|------|-----|
| Total Dissolved Solids | 1642222 | 8250 | 5.00 | 5.00 | mg/L | 10.13.2020 16:38 | | 1 |

Certificate of Analytical Results 674947

GHD Services, INC- Midland, Midland, TX

Dollarhide

Sample Id: **MW-10-WD-201210** Matrix: Ground Water Date Received: 10.13.2020 08:52
 Lab Sample Id: 674947-021 Date Collected: 10.12.2020 15:15

Analytical Method: Inorganic Anions by EPA 300/300.1 Prep Method: E300P

Tech: CHE

Analyst: CHE

Seq Number: 3139836

Date Prep: 10.15.2020 10:30

% Moisture:

| Parameter | Cas Number | Result | RL | MDL | Units | Analysis Date | Flag | Dil |
|-----------|------------|--------|------|------|-------|------------------|------|-----|
| Chloride | 16887-00-6 | 4990 | 25.0 | 1.05 | mg/L | 10.15.2020 11:34 | | 50 |

Analytical Method: TDS by SM2540C

Tech: CHE

Analyst: CHE

Seq Number: 3139957

% Moisture:

| Parameter | Cas Number | Result | RL | MDL | Units | Analysis Date | Flag | Dil |
|------------------------|------------|--------|------|------|-------|------------------|------|-----|
| Total Dissolved Solids | 1642222 | 8340 | 5.00 | 5.00 | mg/L | 10.13.2020 16:38 | | 1 |

Certificate of Analytical Results 674947

GHD Services, INC- Midland, Midland, TX

Dollarhide

Sample Id: **MW-26-W-201210** Matrix: Ground Water Date Received: 10.13.2020 08:52
 Lab Sample Id: 674947-022 Date Collected: 10.12.2020 15:30

Analytical Method: Inorganic Anions by EPA 300/300.1 Prep Method: E300P

Tech: CHE

Analyst: CHE

Seq Number: 3139836

Date Prep: 10.15.2020 10:30

% Moisture:

| Parameter | Cas Number | Result | RL | MDL | Units | Analysis Date | Flag | Dil |
|-----------|------------|--------|------|------|-------|------------------|------|-----|
| Chloride | 16887-00-6 | 1500 | 25.0 | 1.05 | mg/L | 10.15.2020 11:39 | | 50 |

Analytical Method: TDS by SM2540C

Tech: CHE

Analyst: CHE

Seq Number: 3139957

% Moisture:

| Parameter | Cas Number | Result | RL | MDL | Units | Analysis Date | Flag | Dil |
|------------------------|------------|--------|------|------|-------|------------------|------|-----|
| Total Dissolved Solids | 1642222 | 3320 | 5.00 | 5.00 | mg/L | 10.13.2020 16:38 | | 1 |

Certificate of Analytical Results 674947

GHD Services, INC- Midland, Midland, TX

Dollarhide

Sample Id: **MW-24-W-201210** Matrix: Ground Water Date Received: 10.13.2020 08:52
 Lab Sample Id: 674947-023 Date Collected: 10.12.2020 15:45

Analytical Method: Inorganic Anions by EPA 300/300.1 Prep Method: E300P

Tech: CHE

Analyst: CHE

Seq Number: 3139836

Date Prep: 10.15.2020 10:30

% Moisture:

| Parameter | Cas Number | Result | RL | MDL | Units | Analysis Date | Flag | Dil |
|-----------|------------|--------|------|------|-------|------------------|------|-----|
| Chloride | 16887-00-6 | 4330 | 25.0 | 1.05 | mg/L | 10.15.2020 11:44 | | 50 |

Analytical Method: TDS by SM2540C

Tech: CHE

Analyst: CHE

Seq Number: 3139957

% Moisture:

| Parameter | Cas Number | Result | RL | MDL | Units | Analysis Date | Flag | Dil |
|------------------------|------------|--------|------|------|-------|------------------|------|-----|
| Total Dissolved Solids | 1642222 | 9440 | 5.00 | 5.00 | mg/L | 10.13.2020 16:38 | | 1 |

Certificate of Analytical Results 674947

GHD Services, INC- Midland, Midland, TX

Dollarhide

Sample Id: **MW-19-W-201210** Matrix: Ground Water Date Received: 10.13.2020 08:52
 Lab Sample Id: 674947-024 Date Collected: 10.12.2020 16:00

Analytical Method: Inorganic Anions by EPA 300/300.1 Prep Method: E300P

Tech: CHE

Analyst: CHE

Seq Number: 3139836

Date Prep: 10.15.2020 10:30

% Moisture:

| Parameter | Cas Number | Result | RL | MDL | Units | Analysis Date | Flag | Dil |
|-----------|------------|--------|------|------|-------|------------------|------|-----|
| Chloride | 16887-00-6 | 7990 | 50.0 | 2.10 | mg/L | 10.15.2020 11:49 | | 100 |

Analytical Method: TDS by SM2540C

Tech: CHE

Analyst: CHE

Seq Number: 3139957

% Moisture:

| Parameter | Cas Number | Result | RL | MDL | Units | Analysis Date | Flag | Dil |
|------------------------|------------|--------|------|------|-------|------------------|------|-----|
| Total Dissolved Solids | 1642222 | 16800 | 5.00 | 5.00 | mg/L | 10.13.2020 16:38 | | 1 |

Certificate of Analytical Results 674947

GHD Services, INC- Midland, Midland, TX

Dollarhide

Sample Id: **MW-18-W-201210** Matrix: Ground Water Date Received: 10.13.2020 08:52
 Lab Sample Id: 674947-025 Date Collected: 10.12.2020 16:15

Analytical Method: Inorganic Anions by EPA 300/300.1 Prep Method: E300P

Tech: CHE

Analyst: CHE

Seq Number: 3139836

Date Prep: 10.15.2020 10:30

% Moisture:

| Parameter | Cas Number | Result | RL | MDL | Units | Analysis Date | Flag | Dil |
|-----------|------------|--------------|-----|------|-------|------------------|------|-----|
| Chloride | 16887-00-6 | 21600 | 100 | 4.21 | mg/L | 10.15.2020 12:10 | | 200 |

Analytical Method: TDS by SM2540C

Tech: CHE

Analyst: CHE

Seq Number: 3139957

% Moisture:

| Parameter | Cas Number | Result | RL | MDL | Units | Analysis Date | Flag | Dil |
|------------------------|------------|--------------|------|------|-------|------------------|------|-----|
| Total Dissolved Solids | 1642222 | 34100 | 5.00 | 5.00 | mg/L | 10.13.2020 16:38 | | 1 |

Certificate of Analytical Results 674947

GHD Services, INC- Midland, Midland, TX

Dollarhide

Sample Id: **MW-25-W-201210** Matrix: Ground Water Date Received: 10.13.2020 08:52
 Lab Sample Id: 674947-026 Date Collected: 10.12.2020 16:30

Analytical Method: Inorganic Anions by EPA 300/300.1 Prep Method: E300P

Tech: CHE

Analyst: CHE

Seq Number: 3139836

Date Prep: 10.15.2020 10:30

% Moisture:

| Parameter | Cas Number | Result | RL | MDL | Units | Analysis Date | Flag | Dil |
|-----------|------------|--------------|-----|------|-------|------------------|------|-----|
| Chloride | 16887-00-6 | 24100 | 100 | 4.21 | mg/L | 10.15.2020 12:15 | | 200 |

Analytical Method: TDS by SM2540C

Tech: CHE

Analyst: CHE

Seq Number: 3139957

% Moisture:

| Parameter | Cas Number | Result | RL | MDL | Units | Analysis Date | Flag | Dil |
|------------------------|------------|--------------|------|------|-------|------------------|------|-----|
| Total Dissolved Solids | 1642222 | 36900 | 5.00 | 5.00 | mg/L | 10.13.2020 16:38 | | 1 |

Certificate of Analytical Results 674947

GHD Services, INC- Midland, Midland, TX

Dollarhide

Sample Id: **MW-12-W-201210** Matrix: Ground Water Date Received: 10.13.2020 08:52
 Lab Sample Id: 674947-027 Date Collected: 10.12.2020 16:45

Analytical Method: Inorganic Anions by EPA 300/300.1 Prep Method: E300P

Tech: CHE

Analyst: CHE

Seq Number: 3139836

Date Prep: 10.15.2020 10:30

% Moisture:

| Parameter | Cas Number | Result | RL | MDL | Units | Analysis Date | Flag | Dil |
|-----------|------------|--------------|------|------|-------|------------------|------|-----|
| Chloride | 16887-00-6 | 13600 | 50.0 | 2.10 | mg/L | 10.15.2020 12:20 | | 100 |

Analytical Method: TDS by SM2540C

Tech: CHE

Analyst: CHE

Seq Number: 3139957

% Moisture:

| Parameter | Cas Number | Result | RL | MDL | Units | Analysis Date | Flag | Dil |
|------------------------|------------|--------------|------|------|-------|------------------|------|-----|
| Total Dissolved Solids | 1642222 | 24700 | 5.00 | 5.00 | mg/L | 10.13.2020 16:38 | | 1 |

Certificate of Analytical Results 674947

GHD Services, INC- Midland, Midland, TX

Dollarhide

Sample Id: **MW-31-W-201210** Matrix: Ground Water Date Received: 10.13.2020 08:52
 Lab Sample Id: 674947-028 Date Collected: 10.12.2020 17:00

Analytical Method: Inorganic Anions by EPA 300/300.1 Prep Method: E300P

Tech: CHE

Analyst: CHE

Seq Number: 3139836

Date Prep: 10.15.2020 10:30

% Moisture:

| Parameter | Cas Number | Result | RL | MDL | Units | Analysis Date | Flag | Dil |
|-----------|------------|--------------|------|------|-------|------------------|------|-----|
| Chloride | 16887-00-6 | 10200 | 50.0 | 2.10 | mg/L | 10.15.2020 12:25 | | 100 |

Analytical Method: TDS by SM2540C

Tech: CHE

Analyst: CHE

Seq Number: 3139957

% Moisture:

| Parameter | Cas Number | Result | RL | MDL | Units | Analysis Date | Flag | Dil |
|------------------------|------------|--------------|------|------|-------|------------------|------|-----|
| Total Dissolved Solids | 1642222 | 16700 | 5.00 | 5.00 | mg/L | 10.13.2020 16:38 | | 1 |

Certificate of Analytical Results 674947

GHD Services, INC- Midland, Midland, TX

Dollarhide

Sample Id: **MW-11-W-201210** Matrix: Ground Water Date Received: 10.13.2020 08:52
 Lab Sample Id: 674947-029 Date Collected: 10.12.2020 17:15

Analytical Method: Inorganic Anions by EPA 300/300.1 Prep Method: E300P

Tech: CHE

Analyst: CHE

Seq Number: 3139836

Date Prep: 10.15.2020 10:30

% Moisture:

| Parameter | Cas Number | Result | RL | MDL | Units | Analysis Date | Flag | Dil |
|-----------|------------|-------------|------|------|-------|------------------|------|-----|
| Chloride | 16887-00-6 | 68.2 | 50.0 | 2.10 | mg/L | 10.15.2020 12:31 | | 100 |

Analytical Method: TDS by SM2540C

Tech: CHE

Analyst: CHE

Seq Number: 3139957

% Moisture:

| Parameter | Cas Number | Result | RL | MDL | Units | Analysis Date | Flag | Dil |
|------------------------|------------|--------------|------|------|-------|------------------|------|-----|
| Total Dissolved Solids | 1642222 | 11800 | 5.00 | 5.00 | mg/L | 10.13.2020 16:38 | | 1 |

Certificate of Analytical Results 674947

GHD Services, INC- Midland, Midland, TX

Dollarhide

Sample Id: **MW-6-W-201210** Matrix: Ground Water Date Received: 10.13.2020 08:52
 Lab Sample Id: 674947-030 Date Collected: 10.12.2020 17:30

Analytical Method: Inorganic Anions by EPA 300/300.1 Prep Method: E300P

Tech: SPC

Analyst: CHE

Seq Number: 3140092

Date Prep: 10.19.2020 12:05

% Moisture:

| Parameter | Cas Number | Result | RL | MDL | Units | Analysis Date | Flag | Dil |
|-----------|------------|--------|------|-------|-------|------------------|------|-----|
| Chloride | 16887-00-6 | 423 | 10.0 | 0.421 | mg/L | 10.19.2020 14:25 | | 20 |

Analytical Method: TDS by SM2540C

Tech: CHE

Analyst: CHE

Seq Number: 3139957

% Moisture:

| Parameter | Cas Number | Result | RL | MDL | Units | Analysis Date | Flag | Dil |
|------------------------|------------|--------|------|------|-------|------------------|------|-----|
| Total Dissolved Solids | 1642222 | 1440 | 5.00 | 5.00 | mg/L | 10.13.2020 16:38 | | 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. **ND** Not Detected.

RL Reporting Limit

MDL Method Detection Limit **SDL** Sample Detection Limit **LOD** Limit of Detection

PQL Practical Quantitation Limit **MQL** Method Quantitation Limit **LOQ** Limit of Quantitation

DL Method Detection Limit

NC Non-Calculable

SMP Client Sample **BLK** Method Blank

BKS/LCS Blank Spike/Laboratory Control Sample **BKSD/LCSD** Blank Spike Duplicate/Laboratory Control Sample Duplicate

MD/SD Method Duplicate/Sample Duplicate **MS** Matrix Spike **MSD:** Matrix Spike Duplicate

+ NELAC certification not offered for this compound.

* (Next to analyte name or method description) = Outside XENCO's scope of NELAC accreditation



QC Summary 674947

GHD Services, INC- Midland
Dollarhide**Analytical Method:** Inorganic Anions by EPA 300/300.1

| | | | | | | | | | |
|------------------|---------------|------------------------------|------------|----------|-------------|-----------------------|--------|------|---------------|
| Seq Number: | 3139735 | Matrix: Water | | | | Prep Method: E300P | | | |
| MB Sample Id: | 7713260-1-BLK | LCS Sample Id: 7713260-1-BKS | | | | Date Prep: 10.14.2020 | | | |
| Parameter | MB Result | Spike Amount | LCS Result | LCS %Rec | LCSD Result | LCSD %Rec | Limits | %RPD | RPD Limit |
| Chloride | <0.0210 | 25.0 | 26.2 | 105 | 25.7 | 103 | 90-110 | 2 | 20 |
| | | | | | | | | mg/L | Analysis Date |

Analytical Method: Inorganic Anions by EPA 300/300.1

| | | | | | | | | | |
|------------------|---------------|------------------------------|------------|----------|-------------|-----------------------|--------|------|---------------|
| Seq Number: | 3139836 | Matrix: Water | | | | Prep Method: E300P | | | |
| MB Sample Id: | 7713304-1-BLK | LCS Sample Id: 7713304-1-BKS | | | | Date Prep: 10.15.2020 | | | |
| Parameter | MB Result | Spike Amount | LCS Result | LCS %Rec | LCSD Result | LCSD %Rec | Limits | %RPD | RPD Limit |
| Chloride | <0.0210 | 25.0 | 24.6 | 98 | 24.7 | 99 | 90-110 | 0 | 20 |
| | | | | | | | | mg/L | Analysis Date |

Analytical Method: Inorganic Anions by EPA 300/300.1

| | | | | | | | | | |
|------------------|---------------|------------------------------|------------|----------|-------------|-----------------------|--------|------|-----------|
| Seq Number: | 3140092 | Matrix: Water | | | | Prep Method: E300P | | | |
| MB Sample Id: | 7713496-1-BLK | LCS Sample Id: 7713496-1-BKS | | | | Date Prep: 10.19.2020 | | | |
| Parameter | MB Result | Spike Amount | LCS Result | LCS %Rec | LCSD Result | LCSD %Rec | Limits | %RPD | RPD Limit |
| Chloride | <0.0210 | 25.0 | 25.6 | 102 | 25.6 | 102 | 90-110 | 0 | 20 |

Analytical Method: Inorganic Anions by EPA 300/300.1

| | | | | | | | | | |
|-------------------|---------------|----------------------------|-----------|---------|------------|-----------------------|--------|------|-----------|
| Seq Number: | 3139735 | Matrix: Ground Water | | | | Prep Method: E300P | | | |
| Parent Sample Id: | 674947-002 | MS Sample Id: 674947-002 S | | | | Date Prep: 10.14.2020 | | | |
| Parameter | Parent Result | Spike Amount | MS Result | MS %Rec | MSD Result | MSD %Rec | Limits | %RPD | RPD Limit |
| Chloride | 411 | 250 | 666 | 102 | 669 | 103 | 90-110 | 0 | 20 |

Analytical Method: Inorganic Anions by EPA 300/300.1

| | | | | | | | | | |
|-------------------|---------------|----------------------------|-----------|---------|------------|-----------------------|--------|------|-----------|
| Seq Number: | 3139735 | Matrix: Ground Water | | | | Prep Method: E300P | | | |
| Parent Sample Id: | 674947-014 | MS Sample Id: 674947-014 S | | | | Date Prep: 10.14.2020 | | | |
| Parameter | Parent Result | Spike Amount | MS Result | MS %Rec | MSD Result | MSD %Rec | Limits | %RPD | RPD Limit |
| Chloride | 267 | 250 | 533 | 106 | 525 | 103 | 90-110 | 2 | 20 |

Analytical Method: Inorganic Anions by EPA 300/300.1

| | | | | | | | | | |
|-------------------|---------------|----------------------------|-----------|---------|------------|-----------------------|--------|------|-----------|
| Seq Number: | 3139836 | Matrix: Drinking Water | | | | Prep Method: E300P | | | |
| Parent Sample Id: | 675161-001 | MS Sample Id: 675161-001 S | | | | Date Prep: 10.15.2020 | | | |
| Parameter | Parent Result | Spike Amount | MS Result | MS %Rec | MSD Result | MSD %Rec | Limits | %RPD | RPD Limit |
| Chloride | 16.5 | 25.0 | 43.5 | 108 | 44.8 | 113 | 90-110 | 3 | 20 |

MS/MSD Percent Recovery
 Relative Percent Difference
 LCS/LCSD Recovery
 Log Difference

[D] = 100*(C-A) / B
 RPD = 200* | (C-E) / (C+E) |
 [D] = 100 * (C) / [B]
 Log Diff. = Log(Sample Duplicate) - Log(Original Sample)

LCS = Laboratory Control Sample
 A = Parent Result
 C = MS/LCS Result
 E = MSD/LCSD Result

MS = Matrix Spike
 B = Spike Added
 D = MSD/LCSD % Rec



QC Summary 674947

GHD Services, INC- Midland
Dollarhide**Analytical Method:** Inorganic Anions by EPA 300/300.1

| Seq Number: | 3139836 | Matrix: Drinking Water | | | | | | | | Prep Method: | E300P |
|-------------------|---------------|------------------------|-----------|---------|------------|----------------------------|--------|------|-----------|----------------|------------------|
| Parent Sample Id: | 675162-001 | | | | | MS Sample Id: 675162-001 S | | | | Date Prep: | 10.15.2020 |
| | | | | | | | | | | MSD Sample Id: | 675162-001 SD |
| Parameter | Parent Result | Spike Amount | MS Result | MS %Rec | MSD Result | MSD %Rec | Limits | %RPD | RPD Limit | Units | Analysis Date |
| Chloride | 13.5 | 25.0 | 40.4 | 108 | 40.1 | 106 | 90-110 | 1 | 20 | mg/L | 10.15.2020 12:43 |

Analytical Method: Inorganic Anions by EPA 300/300.1

| Seq Number: | 3140092 | Matrix: Ground Water | | | | | | | | Prep Method: | E300P |
|-------------------|---------------|----------------------|-----------|---------|------------|----------------------------|--------|------|-----------|----------------|------------------|
| Parent Sample Id: | 674947-030 | | | | | MS Sample Id: 674947-030 S | | | | Date Prep: | 10.19.2020 |
| | | | | | | | | | | MSD Sample Id: | 674947-030 SD |
| Parameter | Parent Result | Spike Amount | MS Result | MS %Rec | MSD Result | MSD %Rec | Limits | %RPD | RPD Limit | Units | Analysis Date |
| Chloride | 423 | 500 | 973 | 110 | 973 | 110 | 90-110 | 0 | 20 | mg/L | 10.19.2020 14:31 |

Analytical Method: Inorganic Anions by EPA 300/300.1

| Seq Number: | 3140092 | Matrix: Water | | | | | | | | Prep Method: | E300P |
|-------------------|---------------|---------------|-----------|---------|------------|----------------------------|--------|------|-----------|----------------|------------------|
| Parent Sample Id: | 675308-010 | | | | | MS Sample Id: 675308-010 S | | | | Date Prep: | 10.19.2020 |
| | | | | | | | | | | MSD Sample Id: | 675308-010 SD |
| Parameter | Parent Result | Spike Amount | MS Result | MS %Rec | MSD Result | MSD %Rec | Limits | %RPD | RPD Limit | Units | Analysis Date |
| Chloride | 435 | 250 | 720 | 114 | 709 | 110 | 90-110 | 2 | 20 | mg/L | 10.20.2020 09:44 |

Analytical Method: TDS by SM2540C

| Seq Number: | 3139939 | Matrix: Water | | | | | | | | Prep Method: | E300P |
|------------------------|---------------|---------------|------------|----------|-------------|------------------------------|--------|------|-----------|----------------|------------------|
| MB Sample Id: | 3139939-1-BLK | | | | | LCS Sample Id: 3139939-1-BKS | | | | Date Prep: | 10.19.2020 |
| | | | | | | | | | | MSD Sample Id: | 675308-010 SD |
| Parameter | MB Result | Spike Amount | LCS Result | LCS %Rec | LCSD Result | LCSD %Rec | Limits | %RPD | RPD Limit | Units | Analysis Date |
| Total Dissolved Solids | <5.00 | 1000 | 987 | 99 | 980 | 98 | 80-120 | 1 | 10 | mg/L | 10.13.2020 16:38 |

Analytical Method: TDS by SM2540C

| Seq Number: | 3139957 | Matrix: Water | | | | | | | | Prep Method: | E300P |
|------------------------|---------------|---------------|------------|----------|-------------|------------------------------|--------|------|-----------|----------------|------------------|
| MB Sample Id: | 3139957-1-BLK | | | | | LCS Sample Id: 3139957-1-BKS | | | | Date Prep: | 10.19.2020 |
| | | | | | | | | | | MSD Sample Id: | 675308-010 SD |
| Parameter | MB Result | Spike Amount | LCS Result | LCS %Rec | LCSD Result | LCSD %Rec | Limits | %RPD | RPD Limit | Units | Analysis Date |
| Total Dissolved Solids | <5.00 | 1000 | 990 | 99 | 981 | 98 | 80-120 | 1 | 10 | mg/L | 10.13.2020 16:38 |

Analytical Method: TDS by SM2540C

| Seq Number: | 3139939 | Matrix: Ground Water | | | | | | | | Prep Method: | E300P |
|------------------------|---------------|----------------------|--|--|--|----------------------------|--|------|-----------|----------------|------------------|
| Parent Sample Id: | 674947-001 | | | | | MD Sample Id: 674947-001 D | | | | Date Prep: | 10.19.2020 |
| | | | | | | | | | | MSD Sample Id: | 675308-010 SD |
| Parameter | Parent Result | MD Result | | | | | | %RPD | RPD Limit | Units | Analysis Date |
| Total Dissolved Solids | 2010 | 1890 | | | | | | 6 | 10 | mg/L | 10.13.2020 16:38 |

MS/MSD Percent Recovery
 Relative Percent Difference
 LCS/LCSD Recovery
 Log Difference

[D] = 100*(C-A) / B
 RPD = 200* | (C-E) / (C+E) |
 [D] = 100 * (C) / [B]
 Log Diff. = Log(Sample Duplicate) - Log(Original Sample)

LCS = Laboratory Control Sample
 A = Parent Result
 C = MS/LCS Result
 E = MSD/LCSD Result

MS = Matrix Spike
 B = Spike Added
 D = MSD/LCSD % Rec

**QC Summary 674947****GHD Services, INC- Midland**
Dollarhide**Analytical Method: TDS by SM2540C**

Seq Number: 3139939

Matrix: Ground Water

Parent Sample Id: 674947-011

MD Sample Id: 674947-011 D

| Parameter | Parent Result | MD Result | %RPD | RPD Limit | Units | Analysis Date | Flag |
|------------------------|---------------|-----------|------|-----------|-------|------------------|------|
| Total Dissolved Solids | 8810 | 8640 | 2 | 10 | mg/L | 10.13.2020 16:38 | |

Analytical Method: TDS by SM2540C

Seq Number: 3139957

Matrix: Ground Water

Parent Sample Id: 674947-021

MD Sample Id: 674947-021 D

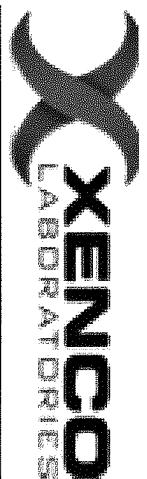
| Parameter | Parent Result | MD Result | %RPD | RPD Limit | Units | Analysis Date | Flag |
|------------------------|---------------|-----------|------|-----------|-------|------------------|------|
| Total Dissolved Solids | 8340 | 8910 | 7 | 10 | mg/L | 10.13.2020 16:38 | |

MS/MSD Percent Recovery
 Relative Percent Difference
 LCS/LCSD Recovery
 Log Difference

$[D] = 100 * (C-A) / B$
 $RPD = 200 * | (C-E) / (C+E) |$
 $[D] = 100 * (C) / [B]$
 Log Diff. = Log(Sample Duplicate) - Log(Original Sample)

LCS = Laboratory Control Sample
 A = Parent Result
 C = MS/LCS Result
 E = MSD/LCSD Result

MS = Matrix Spike
 B = Spike Added
 D = MSD/LCSD % Rec



Chain of Custody

Work Order No: 674947

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 (525) 392-7550 Phoenix, AZ (480) 355-0500 Atlanta, GA (770) 449-8800 Tampa, FL (813) 620-2000) www.xenco.com

| | | | |
|------------------|-----------------------|-------------------------|------------------------------------|
| Project Manager: | Nick Casten | Bill To: (if different) | Gina Blair- Apinvoices-340@ghd.com |
| Company Name: | GHD | Company Name: | GHD Services Inc. - 340 |
| Address: | 2135 S. Loop 250 West | Address: | 2055 Niagara Falls Blvd. |
| City, State ZIP: | Midland, TX 79703 | City, State ZIP: | Niagara Falls, NY 14304 |

| | | | |
|--------|--------------|--------|--|
| Phone: | 225-292-9007 | Email: | Nick.Casten@ghd.com & Christopher.Knight@ghd.com & Brittany.White@ghd.com & edds@ghd.com |
|--------|--------------|--------|--|

| ANALYSIS REQUEST | | | | | | Work Order Notes |
|------------------|--|--|--|--|--|--|
| | | | | | | Work Order Comments |
| | | | | | | Program: UST/PST <input type="checkbox"/> PRP <input type="checkbox"/> Brownfields <input type="checkbox"/> RRC <input type="checkbox"/> Superfund <input type="checkbox"/> |
| | | | | | | State of Project: Reporting: Level II <input type="checkbox"/> Level III <input type="checkbox"/> PNST/UST <input type="checkbox"/> TIRRP <input checked="" type="checkbox"/> Level IV <input type="checkbox"/> |
| | | | | | | Deliverables: EDD <input type="checkbox"/> ADaPT <input type="checkbox"/> Other: _____ |

| SAMPLE RECEIPT | Temp Blank: | Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> | Wet Ice: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No | Thermometer ID: <i>TKS</i> | ANALYSIS REQUEST | |
|-----------------------|---|---|--|----------------------------|------------------|------------------|
| | | | | | Turn Around | Work Order Notes |
| Temperature (°C): | 32/3.7 | | | | | |
| Received Intact: | Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> | | | | | |
| Cooler Custody Seals: | Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> | | | Correction Factor: _____ | | |
| Sample Custody Seals: | Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> | | | Total Containers: _____ | | |

| Sample Identification | Matrix | Date Sampled | Time Sampled | Depth | Number of Containers | |
|-----------------------|--------|--------------|--------------|-------|----------------------|-----|
| | | | | | Chlorides | TDS |
| MW-15-W-201310 | GW | 10/13/20 | 1015 | - | 1 | X X |
| MW-16-W-201310 | GW | 10/13/20 | 1030 | - | 1 | X X |
| MW-14-W-201210 | GW | 10/12/20 | 1045 | - | 1 | X X |
| MW-4-W-201310 | GW | 10/13/20 | 1000 | - | 1 | X X |
| MW-3-W-201310 | GW | 10/13/20 | 1115 | - | 1 | X X |
| MW-13-W-201310 | GW | 10/13/20 | 130 | - | 1 | X X |
| MW-21-W-201210 | GW | 10/13/20 | 145 | - | 1 | X X |
| MW-17-W-201310 | GW | 10/13/20 | 1315 | - | 1 | X X |
| MW-17-W-201310 | GW | 10/12/20 | 1215 | - | 1 | X X |
| MW-22-W-201310 | GW | 10/13/20 | 1230 | - | 1 | X X |

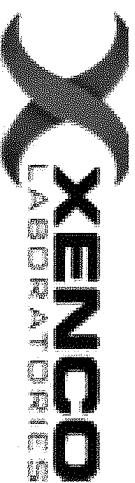
TAT starts the day received by the lab, if received by 4:30pm

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 Ti 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 Ti 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 | <i>J. White</i> | 10/12/2020 | | | |
| 3 | | | | | |
| 5 | | | | | |



Chain of Custody

Work Order No: 1674947

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
Phoenix, AZ (480) 355-0900 Atlanta, GA (770) 449-8800 Tampa, FL (813) 620-2000
www.xenco.com

Project Manager: Nick Casten

Eurofins Xenco, LLC
Prelogin/Nonconformance Report- Sample Log-In

Client: GHD Services, INC- Midland**Date/ Time Received:** 10.13.2020 08.52.00 AM**Work Order #:** 674947

Acceptable Temperature Range: 0 - 6 degC
 Air and Metal samples Acceptable Range: Ambient
 Temperature Measuring device used : IR-8

| Sample Receipt Checklist | Comments |
|---|----------|
| #1 *Temperature of cooler(s)? | 3.7 |
| #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)? | N/A |
| #18 Water VOC samples have zero headspace? | N/A |

* Must be completed for after-hours delivery of samples prior to placing in the refrigerator

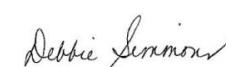
Analyst: AJA

PH Device/Lot#: 10BDH1991

Checklist completed by:


Brianna Teel
Brianna Teel

Date: 10.13.2020

Checklist reviewed by:


Debbie Simmons
Debbie Simmons

Date: 10.16.2020

Appendix C

Historical Groundwater Analytical Data

Appendix C

Historical Groundwater Analytical Results Summary
Chevron Dollarhide Unit
Dollarhide, Texas

| Sample Location | Sample Date | Chloride (mg/L) | Total Dissolved Solids (mg/L) |
|---|-------------|--------------------|----------------------------------|
| TCEQ Secondary Drinking Water Standards (mg/L) | | 300 | 1,000 |
| Monitor Wells | | | |
| 43-K-1-MW | | | |
| | 2/28/2007 | 6,200 | 11,400 |
| | 7/26/2007 | 7,250 | 13,500 |
| | 1/22/2008 | 7,360 | 12,500 |
| | 7/7/2008 | 7,460 | 14,300 |
| | 1/28/2009 | 8,210 | 14,500 |
| | 8/26/2009 | 9,140 | 16,700 |
| | 2/19/2010 | 7,560 | 15,000 |
| | 8/18/2010 | 10,600 | 17,900 |
| | 2/15/2011 | 11,900 | 15,400 |
| | 8/4/2011 | 11,600 | 19,800 |
| | 2/3/2012 | 9,560 | 19,900 |
| | 7/17/2015 | 8,870 | 16,700 |
| | 1/29/2016 | NS | NS |
| | 7/20/2016 | 8,470 | 13,800 |
| | 1/11/2017 | 8,360 | 15,400 |
| | 4/10/2017 | NS | NS |
| | 7/14/2017 | 8,550 | 14,000 |
| | 1/12/2018 | 8,020 | 10,500 |
| | 7/5/2018 | 7,840 | 12,700 |
| | 1/7/2019 | 7,130 | 9,640 |
| | 7/17/2019 | 7,050 | 11,000 |
| | 1/23/2020 | 6,570 | 11,300 |
| | 7/13/2020 | 7,440 | 10,700 |
| 44-I-1-MW | | | |
| | 01/06 | 1,909 | 3,728 |
| | 04/06 | 1,349 | 2,823 |
| | 6/13/2006 | 1,300 | 2,930 |
| | 9/13/2006 | 1,340 | 2,620 |
| | 12/8/2006 | 1,370 | 3,010 |
| | 2/28/2007 | 1,310 | 2,840 |
| | 7/30/2007 | 1,440 | 3,010 |
| | 1/22/2008 | 1,630 | 2,730 |
| | 7/7/2008 | 1,480 | 2,910 |
| | 1/29/2009 | 1,510 | 2,870 |
| | 8/27/2009 | 1,500 | 2,850 |
| | 2/18/2010 | 1,140 | 2,800 |
| | 8/19/2010 | 1,610 | 2,840 |
| | 2/15/2011 | 1,970 | 2,850 |
| | 8/4/2011 | 1,770 | 3,060 |
| | 2/2/2012 | 1,550 | 3,470 |
| | 1/29/2013 | 1,850 | 3,300 |
| | 7/30/2013 | 1,640 | 3,550 |
| | 1/15/2014 | 1,860 | 3,730 |
| | 7/16/2014 | 2,100 | 5,180 |
| | 1/14/2015 | 2,000 | 4,690 |
| | 1/28/2016 | 2,430 | 3,500 |
| | 7/20/2016 | 2,620 | 6,220 |
| | 1/12/2017 | 3,290 | 6,250 |
| | 4/10/2017 | NS | NS |
| | 7/14/2017 | 2,750 | 6,700 |
| | 1/12/2018 | 2,940 | 5,030 |
| | 7/5/2018 | 3,170 | 5,450 |
| | 1/9/2019 | 3,320 | 4,580 |
| | 7/17/2019 | 3,400 | 5,510 |
| | 1/21/2020 | 3,540 | 6,040 |
| | 7/13/2020 | 3,660 | 5,840 |

Appendix C

Historical Groundwater Analytical Results Summary
Chevron Dollarhide Unit
Dollarhide, Texas

| Sample Location | Sample Date | Chloride (mg/L) | Total Dissolved Solids (mg/L) |
|---|-------------|--------------------|----------------------------------|
| TCEQ Secondary Drinking Water Standards (mg/L) | | 300 | 1,000 |
| 44-J-1-MW | | | |
| | 01/06 | 1,382 | 2,835 |
| | 03/06 | 1,551 | 3,139 |
| | 6/13/2006 | 1,550 | 3,570 |
| | 9/13/2006 | 1,910 | 3,270 |
| | 12/8/2006 | 1,810 | 3,090 |
| | 2/28/2007 | 1,600 | 3,530 |
| | 7/30/2007 | 1,830 | 3,480 |
| | 1/22/2008 | 2,090 | 3,390 |
| | 7/7/2008 | 1,960 | 3,780 |
| | 1/29/2009 | 1,870 | 4,070 |
| | 8/28/2009 | 2,480 | 4,050 |
| | 2/19/2010 | 1,850 | 4,480 |
| | 8/19/2010 | 2,600 | 4,440 |
| | 2/15/2011 | 2,630 | 4,960 |
| | 8/4/2011 | 2,890 | 5,740 |
| | 2/2/2012 | 2,740 | 5,900 |
| | 1/28/2016 | NS | NS |
| | 7/20/2016 | 2,440 | 5,980 |
| | 1/12/2017 | NS | NS |
| | 4/10/2017 | NS | NS |
| | 7/14/2017 | 3,650 | 8,630 |
| | 1/12/2018 | 3,410 | 6,190 |
| | 7/5/2018 | 4,300 | 6,910 |
| | 1/9/2019 | 4,850 | 6,190 |
| | 7/17/2019 | 5,140 | 7,020 |
| | 1/21/2020 | 5,020 | 8,150 |
| | 7/13/2020 | 4,770 | 7,880 |
| 44-J-2-MW | | | |
| | 01/06 | 1,380 | 2,870 |
| | 03/06 | 1,911 | 3,745 |
| | 6/13/2006 | 1,760 | 3,910 |
| | 9/13/2006 | 2,230 | 3,790 |
| | 12/8/2006 | 2,270 | 3,660 |
| | 2/28/2007 | 1,820 | 3,770 |
| | 7/30/2007 | 2,090 | 4,050 |
| | 1/22/2008 | 2,040 | 3,800 |
| | 7/7/2008 | 2,130 | 4,290 |
| | 1/29/2009 | 2,260 | 4,800 |
| | 8/28/2009 | 2,820 | 5,030 |
| | 2/18/2010 | 2,280 | 5,840 |
| | 8/20/2010 | 2,930 | 5,900 |
| | 2/15/2011 | 3,000 | 5,780 |
| | 8/5/2011 | 3,090 | 13,200 |
| | 2/2/2012 | 3,200 | 7,600 |
| | 1/28/2016 | NS | NS |
| | 7/20/2016 | 3,990 | 8,680 |
| | 1/12/2017 | NS | NS |
| | 4/10/2017 | NS | NS |
| | 7/14/2017 | 4,160 | 10,000 |
| | 1/12/2018 | 4,560 | 7,820 |
| | 7/5/2018 | 5,050 | 8,000 |
| | 1/9/2019 | 4,930 | 7,020 |
| | 7/17/2019 | 5,170 | 7,870 |
| | 1/21/2020 | 3,830 | 6,420 |
| | 7/13/2020 | 5,120 | 8,210 |

Appendix C

Historical Groundwater Analytical Results Summary
Chevron Dollarhide Unit
Dollarhide, Texas

| Sample Location | Sample Date | Chloride (mg/L) | Total Dissolved Solids (mg/L) |
|---|-------------|--------------------|----------------------------------|
| TCEQ Secondary Drinking Water Standards (mg/L) | | 300 | 1,000 |
| 44-J-3-MW | | | |
| | 9/13/2006 | 2,580 | 4,850 |
| | 12/8/2006 | 2,690 | 4,790 |
| | 8/28/2009 | 3,330 | 5,820 |
| | 2/18/2010 | 2,580 | 4,980 |
| | 8/20/2010 | 3,430 | 5,940 |
| | 2/15/2011 | 3,660 | 6,340 |
| | 8/2/2011 | 3,090 | 5,970 |
| | 2/2/2012 | 2,810 | 5,640 |
| | 1/28/2016 | NS | NS |
| | 7/20/2016 | 3,630 | 7,810 |
| | 1/12/2017 | NS | NS |
| | 4/10/2017 | NS | NS |
| | 7/20/2017 | 3,960 | 9,150 |
| | 1/12/2018 | 4,800 | 8,420 |
| | 7/5/2018 | 5,290 | 9,230 |
| | 1/9/2019 | 4,300 | 6,330 |
| | 7/17/2019 | 5,340 | 8,680 |
| | 1/21/2020 | 4,720 | 7,720 |
| | 7/13/2020 | 4,920 | 8,080 |
| 44-J-4-MW | | | |
| | 9/13/2006 | 1,820 | 3,620 |
| | 12/8/2006 | 2,220 | 3,880 |
| | 8/27/2009 | 2,090 | 3,810 |
| | 2/18/2010 | 1,730 | 4,160 |
| | 8/20/2010 | 2,300 | 4,500 |
| | 2/15/2011 | 2,400 | 4,500 |
| | 8/2/2011 | 2,510 | 4,300 |
| | 2/3/2012 | 2,160 | 5,150 |
| | 1/28/2016 | NS | NS |
| | 7/20/2016 | 3,080 | 6,110 |
| | 1/12/2017 | NS | NS |
| | 4/10/2017 | NS | NS |
| | 7/20/2017 | 2,750 | 6,260 |
| | 1/12/2018 | 3,660 | 7,250 |
| | 7/5/2018 | 4,520 | 7,430 |
| | 1/9/2019 | 4,470 | 6,130 |
| | 7/17/2019 | 4,240 | 6,850 |
| | 1/21/2020 | 6,120 | 10,500 |
| | 7/13/2020 | 4,450 | 8,020 |
| 44-J-5-MW | | | |
| | 9/13/2006 | 1,740 | 3,360 |
| | 12/8/2006 | 1,570 | 3,260 |
| | 8/27/2009 | 1,650 | 3,870 |
| | 2/19/2010 | 1,660 | 3,940 |
| | 8/20/2010 | 2,150 | 4,260 |
| | 2/15/2011 | 2,530 | 4,030 |
| | 8/4/2011 | 2,430 | 4,320 |
| | 2/2/2012 | 2,260 | 4,920 |
| | 1/28/2016 | NS | NS |
| | 7/20/2016 | 2,710 | 5,470 |
| | 1/12/2017 | NS | NS |
| | 4/10/2017 | NS | NS |
| | 7/20/2017 | 2,930 | 6,780 |
| | 1/12/2018 | 3,500 | 6,230 |
| | 7/5/2018 | 4,060 | 6,600 |
| | 1/9/2019 | 3,970 | 5,690 |
| | 7/17/2019 | 4,200 | 6,810 |
| | 1/21/2020 | 4,210 | 6,780 |
| | 7/13/2020 | 4,190 | 6,690 |

Appendix C

Historical Groundwater Analytical Results Summary
Chevron Dollarhide Unit
Dollarhide, Texas

| Sample Location | Sample Date | Chloride (mg/L) | Total Dissolved Solids (mg/L) |
|---|-------------|--------------------|----------------------------------|
| TCEQ Secondary Drinking Water Standards (mg/L) | | 300 | 1,000 |
| 45-E-1-MW | | | |
| | 01/06 | 994 | 1,795 |
| | 03/06 | 1,686 | 2,951 |
| | 6/14/2006 | 2,580 | 5,290 |
| | 9/12/2006 | 1,990 | 4,110 |
| | 12/7/2006 | 3,740 | 7,960 |
| | 2/28/2007 | 3,650 | 8,130 |
| | 7/30/2007 | 3,770 | 9,480 |
| | 1/22/2008 | 3,850 | 6,250 |
| | 7/7/2008 | 3,770 | 7,140 |
| | 1/28/2009 | 3,810 | 8,230 |
| | 8/27/2009 | 3,710 | 6,780 |
| | 2/18/2010 | 3,150 | 6,720 |
| | 8/17/2010 | 4,090 | 6,520 |
| | 2/15/2011 | 4,150 | 6,800 |
| | 8/2/2011 | 1,960 | 8,390 |
| | 2/2/2012 | 3,520 | 9,160 |
| | 1/28/2016 | NS | NS |
| | 7/20/2016 | 2,690 | 6,540 |
| | 1/12/2017 | 2,860 | 3,340 |
| | 4/10/2017 | NS | NS |
| | 7/20/2017 | 2,580 | 5,020 |
| | 1/12/2018 | 2,300 | 4,650 |
| | 7/5/2018 | 2,530 | 4,220 |
| | 1/9/2019 | 2,680 | 3,650 |
| | 7/17/2019 | 3,360 | 4,820 |
| | 1/21/2020 | 1,050 | 1,970 |
| | 7/13/2020 | 3,100 | 5,540 |
| 45-E-2-MW | | | |
| | 01/06 | 98 | 601 |
| | 03/06 | 76 | 600 |
| | 6/14/2006 | 85 | 576 |
| | 9/12/2006 | 81 | 529 |
| | 12/7/2006 | 82 | 560 |
| | 2/28/2007 | 1,170 | 2,210 |
| | 7/30/2007 | 1,260 | 2,290 |
| | 1/22/2008 | 1,240 | 2,100 |
| | 7/7/2008 | 1,310 | 2,300 |
| | 1/28/2009 | 1,280 | 2,540 |
| | 8/26/2009 | 322 | 880 |
| | 2/18/2010 | 460 | 1,160 |
| | 8/18/2010 | 144 | 612 |
| | 2/15/2011 | 124 | 629 |
| | 8/2/2011 | 1,450 | 3,290 |
| | 2/2/2012 | 738 | 1,620 |
| | 1/28/2016 | NS | NS |
| | 7/20/2016 | 170 | 676 |
| | 1/12/2017 | 2,370 | 4,320 |
| | 4/10/2017 | NS | NS |
| | 7/20/2017 | 1,720 | 3,780 |
| | 1/12/2018 | 718 | 3,050 |
| | 7/5/2018 | 1,790 | 3,130 |
| | 1/9/2019 | 1,660 | 3,040 |
| | 7/17/2019 | 1,830 | 2,880 |
| | 1/21/2020 | 1,660 | 3,060 |
| | 7/13/2020 | 1,750 | 3,150 |

Appendix C

Historical Groundwater Analytical Results Summary
Chevron Dollarhide Unit
Dollarhide, Texas

| Sample Location | Sample Date | Chloride (mg/L) | Total Dissolved Solids (mg/L) |
|---|-------------|--------------------|----------------------------------|
| TCEQ Secondary Drinking Water Standards (mg/L) | | 300 | 1,000 |
| 45-E-3-MW | | | |
| | 2/28/2007 | 3,360 | 6,800 |
| | 7/26/2007 | 3,780 | 9,560 |
| | 1/22/2008 | 3,660 | 6,030 |
| | 7/7/2008 | 3,590 | 7,750 |
| | 1/28/2009 | 3,820 | 8,410 |
| | 8/26/2009 | 3,520 | 6,870 |
| | 2/18/2010 | 3,270 | 7,990 |
| | 8/18/2010 | 4,060 | 6,590 |
| | 2/15/2011 | 4,320 | 6,820 |
| | 8/2/2011 | 1,960 | 8,490 |
| | 2/3/2012 | 3,920 | 8,480 |
| | 1/28/2016 | NS | NS |
| | 7/20/2016 | 2,870 | 6,790 |
| | 1/11/2017 | 2,920 | 6,030 |
| | 4/10/2017 | NS | NS |
| | 7/20/2017 | 2,870 | 5,620 |
| | 1/12/2018 | 2,990 | 4,940 |
| | 7/5/2018 | 3,360 | 5,750 |
| | 1/9/2019 | 3,760 | 5,240 |
| | 7/17/2019 | 4,010 | 6,440 |
| | 1/23/2020 | 4,260 | 6,880 |
| | 7/13/2020 | 5,690 | 8,480 |
| 45-F-1-MW | | | |
| | 01/06 | 619 | 1,270 |
| | 03/06 | 714 | 1,394 |
| | 6/13/2006 | 1,500 | 3,620 |
| | 9/12/2006 | 983 | 1,650 |
| | 12/8/2006 | 1,300 | 2,840 |
| | 2/28/2007 | 1,430 | 3,160 |
| | 7/30/2007 | 1,550 | 2,610 |
| | 1/22/2008 | 1,530 | 2,400 |
| | 7/7/2008 | 1,380 | 2,610 |
| | 1/29/2009 | 1,420 | 2,450 |
| | 8/27/2009 | 1,380 | 2,140 |
| | 2/18/2010 | 655 | 1,980 |
| | 8/18/2010 | 1,160 | 1,960 |
| | 2/15/2011 | 1,020 | 1,690 |
| | 8/2/2011 | 1,270 | 2,650 |
| | 2/3/2012 | 1,090 | 2,500 |
| | 1/28/2016 | NS | NS |
| | 7/20/2016 | 632 | 1,760 |
| | 1/12/2017 | 1,010 | 1,900 |
| | 4/10/2017 | NS | NS |
| | 7/20/2017 | 751 | 1,700 |
| | 1/12/2018 | 896 | 1,990 |
| | 7/5/2018 | 923 | 1,840 |
| | 1/9/2019 | 901 | 1,840 |
| | 7/17/2019 | 1,060 | 1,770 |
| | 1/21/2020 | 712 | 1,270 |
| | 7/13/2020 | 1,130 | 1,960 |

Appendix C

Historical Groundwater Analytical Results Summary
Chevron Dollarhide Unit
Dollarhide, Texas

| Sample Location | Sample Date | Chloride (mg/L) | Total Dissolved Solids (mg/L) |
|---|-------------|--------------------|----------------------------------|
| TCEQ Secondary Drinking Water Standards (mg/L) | | 300 | 1,000 |
| 45-FF-MW | | | |
| | 01/06 | 613 | 1,277 |
| | 03/06 | 3,090 | 5,086 |
| | 6/13/2006 | 3,870 | 11,500 |
| | 9/12/2006 | 4,610 | 7,280 |
| | 12/7/2006 | 4,910 | 10,600 |
| | 2/28/2007 | 5,060 | 8,960 |
| | 2/28/2007 | 4,890 | 11,100 |
| | 7/30/2007 | 5,020 | 8,780 |
| | 1/22/2008 | 5,160 | 9,100 |
| | 7/7/2008 | 5,220 | 9,870 |
| | 1/28/2009 | 4,900 | 8,540 |
| | 8/27/2009 | 5,760 | 9,120 |
| | 2/18/2010 | 3,210 | 7,340 |
| | 8/18/2010 | 5,830 | 9,360 |
| | 2/15/2011 | 6,000 | 10,200 |
| | 8/4/2011 | 5,510 | 12,100 |
| | 2/2/2012 | 4,360 | 9,680 |
| | 1/28/2016 | NS | NS |
| | 7/20/2016 | 3,990 | 9,940 |
| | 1/12/2017 | 4,800 | 11,200 |
| | 4/10/2017 | NS | NS |
| | 7/20/2017 | 4,170 | 8,030 |
| | 1/12/2018 | 4,820 | 8,280 |
| | 7/5/2018 | 5,310 | 9,090 |
| | 1/9/2019 | 5,080 | 6,690 |
| | 7/17/2019 | 6,060 | 7,320 |
| | 1/21/2020 | 4,320 | 7,510 |
| | 7/13/2020 | 4,120 | 6,850 |
| 58-B-1-MW | | | |
| | 01/06 | 836 | 1,624 |
| | 3/6/2020 | 1,874 | 3,138 |
| | 6/14/2006 | 976 | 2,310 |
| | 9/12/2006 | 3,440 | 5,290 |
| | 12/7/2006 | 3,230 | 7,600 |
| | 2/28/2007 | 3,350 | 7,370 |
| | 7/26/2007 | 4,680 | 8,890 |
| | 1/2/2008 | 3,220 | 5,110 |
| | 7/7/2008 | 2,980 | 6,110 |
| | 1/28/2009 | 3,150 | 6,330 |
| | 8/26/2009 | 3,320 | 5,820 |
| | 2/18/2010 | 2,850 | 6,710 |
| | 8/19/2010 | 4,120 | 9,970 |
| | 2/15/2011 | 4,180 | 6,850 |
| | 8/2/2011 | 5,240 | 11,700 |
| | 2/6/2012 | 5,510 | 10,000 |
| | 1/28/2016 | NS | NS |
| | 7/22/2016 | 3,550 | 8,460 |
| | 1/13/2017 | 7,510 | 9,410 |
| | 4/10/2017 | NS | NS |
| | 7/20/2017 | 5,480 | 9,230 |
| | 1/12/2018 | 5,250 | 8,620 |
| | 7/5/2018 | 6,440 | 10,000 |
| | 1/7/2019 | 5,240 | 8,120 |
| | 7/15/2019 | 6,180 | 9,750 |
| | 1/21/2020 | 6,590 | 10,200 |
| | 7/14/2020 | 7,160 | 11,400 |

Appendix C

Historical Groundwater Analytical Results Summary
Chevron Dollarhide Unit
Dollarhide, Texas

| Sample Location | Sample Date | Chloride (mg/L) | Total Dissolved Solids (mg/L) |
|---|-------------|--------------------|----------------------------------|
| TCEQ Secondary Drinking Water Standards (mg/L) | | 300 | 1,000 |
| 58-B-2-MW | | | |
| | 01/06 | 1,103 | 2,024 |
| | 03/06 | 650 | 1,329 |
| | 6/14/2006 | 4,510 | 8,700 |
| | 9/12/2006 | 8,220 | 19,000 |
| | 12/7/2006 | 4,700 | 10,700 |
| | 2/28/2007 | 5,900 | 10,800 |
| | 7/26/2007 | 6,270 | 12,200 |
| | 1/22/2008 | 6,200 | 11,300 |
| | 7/7/2008 | 5,830 | 11,600 |
| | 1/28/2009 | 5,260 | 10,600 |
| | 8/26/2009 | 6,260 | 10,800 |
| | 2/18/2010 | 4,870 | 9,680 |
| | 8/19/2010 | 6,640 | 10,200 |
| | 2/15/2011 | 4,100 | 7,390 |
| | 8/2/2011 | 1,410 | 13,600 |
| | 2/6/2012 | 5,480 | 13,600 |
| | 1/28/2016 | 3,550 | 7,440 |
| | 7/22/2016 | 2,740 | 6,130 |
| | 1/13/2017 | 4,190 | 8,700 |
| | 4/10/2017 | NS | NS |
| | 7/20/2017 | 3,340 | 5,910 |
| | 1/12/2018 | 3,470 | 5,860 |
| | 7/5/2018 | 3,900 | 6,410 |
| | 1/7/2019 | 4,190 | 5,470 |
| | 7/15/2019 | 3,850 | 6,310 |
| | 1/21/2020 | 3,770 | 6,280 |
| | 7/14/2020 | 4,040 | 7,190 |
| 58-B-3-MW | | | |
| | 2/28/2007 | 607 | 2,150 |
| | 7/26/2007 | 1,200 | 2,340 |
| | 1/22/2008 | 1,250 | 2,010 |
| | 7/7/2008 | 1,140 | 2,480 |
| | 1/28/2009 | 1,300 | 2,400 |
| | 8/26/2009 | 1,370 | 2,320 |
| | 2/19/2010 | 1,070 | 2,570 |
| | 8/19/2010 | 1,450 | 2,340 |
| | 2/15/2011 | 1,680 | 2,500 |
| | 8/2/2011 | 1,450 | 2,920 |
| | 2/3/2012 | 1,330 | 2,660 |
| | 1/29/2013 | 1,360 | 2,370 |
| | 7/30/2013 | 1,230 | 2,540 |
| | 1/15/2014 | 1,250 | 2,920 |
| | 7/16/2014 | 1,450 | 4,360 |
| | 1/14/2015 | 312 | 938 |
| | 7/15/2015 | 715 | 1,770 |
| | 1/28/2016 | 688 | 1,660 |
| | 7/22/2016 | 570 | 1,290 |
| | 1/10/2017 | 683 | 1,830 |
| | 4/10/2017 | NS | NS |
| | 7/20/2017 | 666 | 1,440 |
| | 1/12/2018 | 791 | 1,290 |
| | 7/6/2018 | 976 | 1,580 |
| | 1/7/2019 | 900 | 2,070 |
| | 7/12/2019 | 1,470 | 2,520 |
| | 1/23/2020 | 1,570 | 2,710 |
| | 7/14/2020 | 1,640 | 3,160 |

Appendix C

Historical Groundwater Analytical Results Summary
Chevron Dollarhide Unit
Dollarhide, Texas

| Sample Location | Sample Date | Chloride (mg/L) | Total Dissolved Solids (mg/L) |
|---|-------------|--------------------|----------------------------------|
| TCEQ Secondary Drinking Water Standards (mg/L) | | 300 | 1,000 |
| MW-2 | | | |
| | 8/10/2015 | 204 | 1,950 |
| | 1/28/2016 | NS | NS |
| | 7/21/2016 | NS | NS |
| | 1/12/2017 | NS | NS |
| | 4/10/2017 | NS | NS |
| | 7/19/2017 | NS | NS |
| | 10/5/2017 | NS | NS |
| | 1/12/2018 | NS | NS |
| | 4/5/2018 | NS | NS |
| | 7/6/2018 | NS | NS |
| | 10/4/2018 | NS | NS |
| | 1/8/2019 | NS | NS |
| | 4/10/2019 | NS | NS |
| | 7/16/2019 | NS | NS |
| | 10/17/2019 | NS | NS |
| | 1/22/2020 | NS | NS |
| | 4/13/2020 | NS | NS |
| | 7/15/2020 | NS | NS |
| | 7/13/2020 | NS | NS |
| MW-3 | | | |
| | 8/10/2015 | 249 | 1,100 |
| | 1/27/2016 | 484 | 1,070 |
| | 7/21/2016 | 486 | 1,430 |
| | 1/11/2017 | 564 | 1,410 |
| | 4/10/2017 | 605 | 1,960 |
| | 7/19/2017 | 572 | 1,400 |
| | 10/5/2017 | 569 | 1,520 |
| | 1/12/2018 | 566 | 1,410 |
| | 4/5/2018 | 589 | 1,300 |
| | 7/3/2018 | 593 | 1,310 |
| | 10/4/2018 | 626 | 1,310 |
| | 1/8/2019 | 194 | 619 |
| | 4/9/2019 | 636 | 1,370 |
| | 7/16/2019 | 475 | 1,320 |
| | 10/17/2019 | 502 | 1,350 |
| | 1/22/2020 | 696 | 2,390 |
| | 4/13/2020 | 603 | 1,400 |
| | 7/15/2020 | 648 | 1,550 |
| | 10/12/2020 | 671 | 1,380 |
| MW-4 | | | |
| | 8/10/2015 | 240 | 1,850 |
| | 1/27/2016 | 250 | 941 |
| | 7/21/2016 | 355 | 2,260 |
| | 1/11/2017 | 353 | 1,260 |
| | 4/10/2017 | NS | NS |
| | 7/20/2017 | 325 | 1,000 |
| | 10/5/2017 | 347 | 1,010 |
| | 1/12/2018 | 345 | 968 |
| | 4/6/2018 | 350 | 413 |
| | 7/3/2018 | 338 | 831 |
| | 10/4/2018 | 350 | 883 |
| | 1/8/2019 | 258 | 426 |
| | 4/9/2019 | 377 | 877 |
| | 7/16/2019 | 269 | 889 |
| | 10/17/2019 | 325 | 902 |
| | 1/22/2020 | 375 | 578 |
| | 4/13/2020 | 323 | 939 |
| | 7/15/2020 | 352 | 1,050 |
| | 10/12/2020 | 343 | 903 |

Appendix C

Historical Groundwater Analytical Results Summary
Chevron Dollarhide Unit
Dollarhide, Texas

| Sample Location | Sample Date | Chloride (mg/L) | Total Dissolved Solids (mg/L) |
|---|-------------|--------------------|----------------------------------|
| TCEQ Secondary Drinking Water Standards (mg/L) | | 300 | 1,000 |
| MW-5 | | | |
| | 8/10/2015 | 837 | 2,960 |
| | 1/28/2016 | 459 | 2,130 |
| | 7/21/2016 | 397 | 1,690 |
| | 1/11/2017 | 364 | 1,400 |
| | 4/10/2017 | 346 | 1,560 |
| | 7/19/2017 | 309 | 1,170 |
| | 10/5/2017 | 302 | 1,040 |
| | 1/12/2018 | 293 | 1,130 |
| | 4/5/2018 | 289 | 1,140 |
| | 7/3/2018 | 274 | 1,020 |
| | 10/4/2018 | 278 | 1,050 |
| | 1/8/2019 | 244 | 1,050 |
| | 4/9/2019 | 300 | 257 |
| | 7/16/2019 | 219 | 1,120 |
| | 10/17/2019 | 257 | 1,000 |
| | 1/22/2020 | 262 | 964 |
| | 4/13/2020 | 265 | 986 |
| | 7/15/2020 | 267 | 1,090 |
| | 10/12/2020 | 267 | 974 |
| MW-6 | | | |
| | 8/10/2015 | 578 | 2,180 |
| | 1/28/2016 | 484 | 2,090 |
| | 7/21/2016 | 450 | 1,590 |
| | 1/11/2017 | 441 | 1,330 |
| | 4/10/2017 | 468 | 1,760 |
| | 7/18/2017 | 439 | 1,650 |
| | 10/5/2017 | 407 | 1,530 |
| | 1/12/2018 | 408 | 1,490 |
| | 4/5/2018 | 411 | 1,430 |
| | 7/3/2018 | 402 | 1,340 |
| | 10/4/2018 | 404 | 1,450 |
| | 1/8/2019 | 372 | 1,510 |
| | 4/9/2019 | 418 | 1,500 |
| | 7/15/2019 | 395 | 1,470 |
| | 10/17/2019 | 383 | 1,490 |
| | 1/23/2020 | 488 | 1,550 |
| | 4/14/2020 | 387 | 1,530 |
| | 7/15/2020 | 417 | 1,590 |
| | 10/12/2020 | 423 | 1,440 |
| MW-7 | | | |
| | 8/10/2015 | 772 | 3,230 |
| | 1/28/2016 | 260 | 2,620 |
| | 7/21/2016 | 524/508 | 2,510/2,410 |
| | 1/12/2017 | NS | NS |
| | 4/10/2017 | NS | NS |
| | 7/19/2017 | NS | NS |
| | 10/5/2017 | NS | NS |
| | 1/12/2018 | NS | NS |
| | 4/5/2018 | NS | NS |
| | 7/3/2018 | NS | NS |
| | 10/4/2018 | NS | NS |
| | 1/8/2019 | NS | NS |
| | 4/10/2019 | NS | NS |
| | 7/15/2019 | NS | NS |
| | 10/17/2019 | NS | NS |
| | 1/23/2020 | NS | NS |
| | 4/14/2020 | NS | NS |
| | 7/15/2020 | NS | NS |
| | 10/12/2020 | NS | NS |

Appendix C

Historical Groundwater Analytical Results Summary
Chevron Dollarhide Unit
Dollarhide, Texas

| Sample Location | Sample Date | Chloride (mg/L) | Total Dissolved Solids (mg/L) |
|---|-------------|--------------------|----------------------------------|
| TCEQ Secondary Drinking Water Standards (mg/L) | | 300 | 1,000 |
| MW-8 | | | |
| | 8/10/2015 | 711 | 2,430 |
| | 1/28/2016 | 763 | 2,310 |
| | 7/21/2016 | 758 | 2,140 |
| | 1/13/2017 | 985 | 2,410 |
| | 4/7/2017 | 933 | 2,120 |
| | 7/17/2017 | 845 | 2,280 |
| | 10/4/2017 | 803 | 2,210 |
| | 1/12/2018 | 813 | 2,250 |
| | 4/5/2018 | 839 | 2,300 |
| | 7/5/2018 | 868 | 2,350 |
| | 10/3/2018 | 888 | 2,490 |
| | 1/8/2019 | 852 | 2,160 |
| | 4/5/2019 | 1,060 | 2,460 |
| | 7/15/2019 | 884 | 2,390 |
| | 10/16/2019 | 919 | 2,400 |
| | 1/21/2020 | 967 | 2,540 |
| | 4/14/2020 | 750 | 2,370 |
| | 7/14/2020 | 1,010 | 2,460 |
| | 10/12/2020 | 1,040 | 2,480 |
| MW-9 | | | |
| | 8/10/2015 | 1,650 | 3,390 |
| | 1/28/2016 | 2,160 | 4,410 |
| | 7/21/2016 | 2,140 | 6,790 |
| | 1/13/2017 | 3,520 | 4,540 |
| | 4/7/2017 | 3,070 | 6,760 |
| | 7/17/2017 | 2,830 | 4,930 |
| | 10/4/2017 | 2,230 | 4,730 |
| | 1/12/2018 | 2,540 | 4,380 |
| | 4/5/2018 | 2,930 | 4,690 |
| | 7/5/2018 | 2,880 | 4,250 |
| | 10/3/2018 | 2,910 | 4,270 |
| | 1/7/2019 | 2,620 | 807 |
| | 4/5/2019 | 1,200 | 4,230 |
| | 7/15/2019 | 2,620 | 4,240 |
| | 10/16/2019 | 2,520 | 4,610 |
| | 1/21/2020 | 2,740 | 4,010 |
| | 4/14/2020 | 1,800 | 4,100 |
| | 7/14/2020 | 2,700 | 5,070 |
| | 10/12/2020 | 2,710 | 4,270 |
| MW-10 | | | |
| | 8/10/2015 | 3,480 | 7,980 |
| | 1/28/2016 | 5,320 | 9,850 |
| | 7/20/2016 | 5,920 | 12,400 |
| | 1/12/2017 | 6,360 | 10,500 |
| | 4/7/2017 | 5,930 | 12,700 |
| | 7/18/2017 | 5,320 | 9,720 |
| | 10/5/2017 | 5,190 | 8,560 |
| | 1/12/2018 | 5,350 | 9,650 |
| | 4/5/2018 | 5,470 | 8,630 |
| | 7/3/2018 | 5,340 | 11,000 |
| | 10/3/2018 | 5,880 | 8,570 |
| | 1/8/2019 | 5,130 | 7,050 |
| | 4/5/2019 | 5,760 | 8,100 |
| | 7/15/2019 | 4,860 | 8,210 |
| | 10/16/2019 | 4,980 | 8,520 |
| | 1/23/2020 | 5,230 | 8,580 |
| | 4/14/2020 | 3,260 | 8,730 |
| | 7/15/2020 | 5,130 | 9,450 |
| | 10/12/2020 | 5,270 | 8,250 |

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Historical Groundwater Analytical Results Summary
Chevron Dollarhide Unit
Dollarhide, Texas

| Sample Location | Sample Date | Chloride (mg/L) | Total Dissolved Solids (mg/L) |
|---|-------------|--------------------|----------------------------------|
| TCEQ Secondary Drinking Water Standards (mg/L) | | 300 | 1,000 |
| MW-11 | | | |
| | 8/10/2015 | 458 | 3,260 |
| | 1/28/2016 | 5,280 | 5,720 |
| | 7/21/2016 | 6,830 | 16,100 |
| | 1/11/2017 | 7,310 | 18,800 |
| | 4/10/2017 | 7,760 | 17,100 |
| | 7/18/2017 | 7,620 | 12,700 |
| | 10/5/2017 | 7,110 | 12,600 |
| | 1/12/2018 | 8,120 | 12,700 |
| | 4/5/2018 | 7,990 | 11,000 |
| | 7/3/2018 | 7,940 | 11,800 |
| | 10/4/2018 | 8,310 | 12,000 |
| | 1/8/2019 | 8,240 | 9,730 |
| | 4/9/2019 | 7,840 | 11,700 |
| | 7/15/2019 | 7,680 | 11,800 |
| | 10/17/2019 | 7,590 | 12,400 |
| | 1/23/2020 | 7,760 | 12,300 |
| | 4/14/2020 | 7,620 | 13,400 |
| | 7/15/2020 | 6,240 | 12,000 |
| | 10/12/2020 | 68.2 | 11,800 |
| MW-12 | | | |
| | 8/10/2015 | 7,680 | 20,500 |
| | 1/28/2016 | 12,800 | 24,400 |
| | 7/20/2016 | 12,000 | 27,500 |
| | 1/11/2017 | 16,400 | 24,100 |
| | 4/7/2017 | 13,900 | 28,900 |
| | 7/18/2017 | 13,600 | 23,000 |
| | 10/5/2017 | 14,000 | 23,000 |
| | 1/12/2018 | 13,100 | 21,400 |
| | 4/5/2018 | 13,300 | 19,400 |
| | 7/3/2018 | 13,200 | 20,200 |
| | 10/4/2018 | 15,000 | 24,400 |
| | 1/8/2019 | 13,900 | 14,000 |
| | 4/10/2019 | 14,100 | 21,700 |
| | 7/15/2019 | 11,000 | 22,600 |
| | 10/16/2019 | 12,600 | 23,400 |
| | 1/23/2020 | 12,700 | 20,600 |
| | 4/14/2020 | 13,600 | 23,400 |
| | 7/15/2020 | 12,700 | 22,700 |
| | 10/12/2020 | 13,600 | 24,700 |
| MW-13 | | | |
| | 8/10/2015 | 1,740 | 4,100 |
| | 1/28/2016 | 1,850 | 4,110 |
| | 7/21/2016 | 1,650 | 5,300 |
| | 1/11/2017 | 1,270 | 1,660 |
| | 4/10/2017 | 1,890 | 4,760 |
| | 7/19/2017 | 1,730 | 4,010 |
| | 10/5/2017 | 1,910 | 5,260 |
| | 1/12/2018 | 1,750 | 3,920 |
| | 4/6/2018 | 1,750 | 3,920 |
| | 7/3/2018 | 2,280 | 4,560 |
| | 10/4/2018 | 2,200 | 3,900 |
| | 1/8/2019 | 1,880 | 3,810 |
| | 4/10/2019 | 2,020 | 4,160 |
| | 7/16/2019 | 1,400 | 4,440 |
| | 10/17/2019 | 1,960 | 3,720 |
| | 1/22/2020 | 1,810 | 5,110 |
| | 4/13/2020 | 1,580 | 4,420 |
| | 7/15/2020 | 1,750 | 4,350 |
| | 10/12/2020 | 1,820 | 4,140 |

Appendix C

Historical Groundwater Analytical Results Summary
Chevron Dollarhide Unit
Dollarhide, Texas

| Sample Location | Sample Date | Chloride (mg/L) | Total Dissolved Solids (mg/L) |
|---|-------------|--------------------|----------------------------------|
| TCEQ Secondary Drinking Water Standards (mg/L) | | 300 | 1,000 |
| MW-14 | | | |
| | 8/11/2015 | 989 | 3,040 |
| | 1/27/2016 | 1,420 | 2,560 |
| | 7/21/2016 | 1,480 | 3,800 |
| | 1/11/2017 | 1,470 | 2,890 |
| | 4/10/2017 | 1,530 | 4,400 |
| | 7/19/2017 | 1,500 | 3,330 |
| | 10/5/2017 | 1,510 | 3,460 |
| | 1/12/2018 | 1,590 | 2,910 |
| | 4/6/2018 | 1,720 | 1,270 |
| | 7/3/2018 | 1,540 | 2,660 |
| | 10/4/2018 | 1,690 | 2,620 |
| | 1/8/2019 | 1,630 | 2,890 |
| | 4/9/2019 | 1,610 | 2,940 |
| | 7/16/2019 | 1,110 | 3,120 |
| | 10/17/2019 | 1,670 | 2,940 |
| | 1/22/2020 | 1,880 | 3,290 |
| | 4/13/2020 | 1,130 | 3,130 |
| | 7/15/2020 | 1,760 | 3,640 |
| | 10/12/2020 | 1,810 | 3,270 |
| MW-15 | | | |
| | 8/11/2015 | 600 | 1,730 |
| | 1/28/2016 | 617 | 1,180 |
| | 7/21/2016 | 554 | 1,370 |
| | 1/11/2017 | 710 | 1,640 |
| | 4/10/2017 | 785 | 2,030 |
| | 7/19/2017 | 652 | 1,220 |
| | 10/5/2017 | 831 | 1,690 |
| | 1/12/2018 | 873 | 1,770 |
| | 4/6/2018 | 877 | 1,900 |
| | 7/3/2018 | 914 | 1,650 |
| | 10/4/2018 | 1,030 | 1,740 |
| | 1/8/2019 | 995 | 2,290 |
| | 4/10/2019 | 1,110 | 1,740 |
| | 7/16/2019 | 1,300 | 1,800 |
| | 10/17/2019 | 1,010 | 1,850 |
| | 1/22/2020 | 1,290 | 2,180 |
| | 4/13/2020 | 1,010 | 1,960 |
| | 7/15/2020 | 1,110 | 2,330 |
| | 10/12/2020 | 1,110 | 2,010 |
| MW-16 | | | |
| | 8/11/2015 | 435 | 1,410 |
| | 1/28/2016 | 323 | 1,020 |
| | 7/21/2016 | 195 | 776 |
| | 1/11/2017 | 472 | 1,180 |
| | 4/10/2017 | 396 | 1,400 |
| | 7/19/2017 | 444 | 1,100 |
| | 10/5/2017 | 426 | 1,210 |
| | 1/12/2018 | 364 | 1,100 |
| | 4/6/2018 | 432 | 1,310 |
| | 7/3/2018 | 430 | 1,160 |
| | 10/4/2018 | 474 | 1,210 |
| | 1/8/2019 | 468 | 1,260 |
| | 4/10/2019 | 508 | 1,240 |
| | 7/16/2019 | 301 | 1,060 |
| | 10/17/2019 | 393 | 1,110 |
| | 1/22/2020 | 525 | 1,270 |
| | 4/13/2020 | 310 | 1,030 |
| | 7/15/2020 | 505 | 1,390 |
| | 10/12/2020 | 411 | 1,060 |

Appendix C

Historical Groundwater Analytical Results Summary
Chevron Dollarhide Unit
Dollarhide, Texas

| Sample Location | Sample Date | Chloride (mg/L) | Total Dissolved Solids (mg/L) |
|---|-------------|--------------------|----------------------------------|
| TCEQ Secondary Drinking Water Standards (mg/L) | | 300 | 1,000 |
| MW-17 | | | |
| | 8/12/2015 | 5,800 | 13,400 |
| | 1/28/2016 | 4,400 | 823 |
| | 7/21/2016 | 3,370 | 7,900 |
| | 1/11/2017 | 9,760 | 16,200 |
| | 4/10/2017 | 9,620 | 20,400 |
| | 7/19/2017 | 8,160 | 14,400 |
| | 10/6/2017 | 11,400 | 18,800 |
| | 1/12/2018 | 10,100 | 15,300 |
| | 4/6/2018 | 9,590 | 14,800 |
| | 7/3/2018 | 8,570 | 15,000 |
| | 10/4/2018 | 11,300 | 17,700 |
| | 1/8/2019 | 10,100 | 11,100 |
| | 4/10/2019 | 9,440 | 14,500 |
| | 7/16/2019 | 7,880 | 13,100 |
| | 10/17/2019 | 9,620 | 15,300 |
| | 1/22/2020 | 9,410 | 15,100 |
| | 4/13/2020 | 7,870 | 13,800 |
| | 7/15/2020 | 7,450 | 15,000 |
| | 10/12/2020 | 8,280 | 13,500 |
| MW-18 | | | |
| | 8/12/2015 | 13,400 | 26,600 |
| | 1/28/2016 | 13,900 | 25,300 |
| | 7/20/2016 | 8,000 | 18,900 |
| | 1/12/2017 | 14,200 | 33,700 |
| | 4/7/2017 | 19,100 | 37,800 |
| | 7/18/2017 | 13,900 | 23,500 |
| | 10/6/2017 | 19,000 | 52,900 |
| | 1/12/2018 | 18,800 | 30,300 |
| | 4/5/2018 | 20,000 | 30,400 |
| | 7/3/2018 | 22,000 | 38,500 |
| | 10/4/2018 | 21,100 | 31,600 |
| | 1/8/2019 | 17,000 | 19,000 |
| | 4/9/2019 | 24,600 | 33,300 |
| | 7/15/2019 | 21,000 | 33,100 |
| | 10/16/2019 | 19,900 | 37,300 |
| | 1/23/2020 | 21,400 | 34,800 |
| | 4/14/2020 | 18,500 | 34,000 |
| | 7/15/2020 | 21,400 | 36,000 |
| | 10/12/2020 | 21,600 | 34,100 |
| MW-19 | | | |
| | 8/12/2015 | 4,780 | 11,300 |
| | 1/28/2016 | 5,130 | 10,100 |
| | 7/20/2016 | 5,160 | 10,200 |
| | 1/12/2017 | 6,370 | 9,560 |
| | 4/7/2017 | 6,000 | 13,600 |
| | 7/18/2017 | 5,310 | 9,840 |
| | 10/6/2017 | 5,290 | 9,620 |
| | 1/12/2018 | 6,160 | 10,300 |
| | 4/5/2018 | 6,600 | 9,880 |
| | 7/5/2018 | 6,580 | 11,500 |
| | 10/4/2018 | 6,980 | 11,600 |
| | 1/8/2019 | 6,570 | 9,300 |
| | 4/9/2019 | 7,000 | 10,500 |
| | 7/15/2019 | 6,860 | 11,000 |
| | 10/16/2019 | 7,160 | 12,800 |
| | 1/23/2020 | 7,540 | 13,200 |
| | 4/14/2020 | 7,170 | 13,300 |
| | 7/15/2020 | 7,880 | 13,700 |
| | 10/12/2020 | 7,990 | 16,800 |

Appendix C

Historical Groundwater Analytical Results Summary
Chevron Dollarhide Unit
Dollarhide, Texas

| Sample Location | Sample Date | Chloride (mg/L) | Total Dissolved Solids (mg/L) |
|---|-------------|--------------------|----------------------------------|
| TCEQ Secondary Drinking Water Standards (mg/L) | | 300 | 1,000 |
| MW-20 | | | |
| | 8/12/2015 | 995 | 2,760 |
| | 1/28/2016 | 1,200 | 2,390 |
| | 7/20/2016 | 1,060 | 2,920 |
| | 1/12/2017 | 1,500 | 1,970 |
| | 4/7/2017 | 1,200 | 3,300 |
| | 7/18/2017 | 1,110 | 2,540 |
| | 10/6/2017 | 1,100 | 2,220 |
| | 1/12/2018 | 1,130 | 2,410 |
| | 4/5/2018 | 1,100 | 2,130 |
| | 7/5/2018 | 1,150 | 2,160 |
| | 10/3/2018 | 1,340 | 2,490 |
| | 1/8/2019 | 1,070 | 2,180 |
| | 4/5/2019 | 1,430 | 2,410 |
| | 7/15/2019 | 1,270 | 2,330 |
| | 10/16/2019 | 1,260 | 2,500 |
| | 1/21/2020 | 1,330 | 2,440 |
| | 4/14/2020 | 1,140 | 2,970 |
| | 7/13/2020 | 1,320 | 2,450 |
| | 10/12/2020 | 1,350 | 2,470 |
| MW-21 | | | |
| | 7/21/2016 | 7,920 | 19,400 |
| | 1/11/2017 | 7,360 | 11,800 |
| | 4/10/2017 | 6,600 | 17,900 |
| | 7/19/2017 | 5,480 | 12,200 |
| | 10/6/2017 | 7,210 | 13,500 |
| | 1/12/2018 | 6,800 | 10,900 |
| | 4/6/2018 | 7,630 | 11,000 |
| | 7/3/2018 | 6,860 | 11,100 |
| | 10/4/2018 | 7,400 | 11,400 |
| | 1/8/2019 | 7,530 | 9,420 |
| | 4/10/2019 | 6,970 | 11,000 |
| | 7/16/2019 | 6,720 | 11,000 |
| | 10/17/2019 | 7,010 | 11,000 |
| | 1/22/2020 | 6,900 | 10,300 |
| | 4/13/2020 | 6,610 | 10,200 |
| | 7/15/2020 | 5,850 | 10,700 |
| | 10/12/2020 | 6,840 | 10,900 |
| MW-22 | | | |
| | 3/3/2017 | 12,100 | 19,000 |
| | 4/10/2017 | 14,000 | 33,000 |
| | 7/19/2017 | 8,720 | 17,400 |
| | 10/6/2017 | 11,400 | 20,200 |
| | 1/12/2018 | 10,400 | 16,200 |
| | 4/6/2018 | 10,500 | 17,200 |
| | 7/3/2018 | 10,300 | 16,300 |
| | 10/4/2018 | 14,200 | 18,700 |
| | 1/8/2019 | 12,000 | 10,900 |
| | 4/10/2019 | 10,900 | 16,200 |
| | 7/16/2019 | 11,300 | 18,000 |
| | 10/17/2019 | 12,400 | 20,600 |
| | 1/22/2020 | 11,700 | 16,800 |
| | 4/13/2020 | 11,700 | 19,800 |
| | 7/15/2020 | 10,100 | 21,900 |
| | 10/12/2020 | 13,000 | 19,900 |

Appendix C

Historical Groundwater Analytical Results Summary
Chevron Dollarhide Unit
Dollarhide, Texas

| Sample Location | Sample Date | Chloride (mg/L) | Total Dissolved Solids (mg/L) |
|---|-------------|--------------------|----------------------------------|
| TCEQ Secondary Drinking Water Standards (mg/L) | | 300 | 1,000 |
| MW-23 | | | |
| | 7/21/2016 | 1,430 | 3,050 |
| | 1/11/2017 | 2,120 | 4,130 |
| | 4/10/2017 | 3,010 | 8,750 |
| | 7/19/2017 | 1,680 | 3,550 |
| | 10/6/2017 | 4,520 | 7,370 |
| | 1/12/2018 | 5,230 | 9,340 |
| | 4/6/2018 | 6,830 | 10,100 |
| | 7/3/2018 | 4,390 | 6,870 |
| | 10/4/2018 | 6,090 | 8,980 |
| | 1/8/2019 | 7,910 | 9,780 |
| | 4/10/2019 | 6,540 | 10,200 |
| | 7/16/2019 | 3,420 | 9,780 |
| | 10/17/2019 | 3,840 | 10,200 |
| | 1/22/2020 | 7,140 | 10,400 |
| | 4/13/2020 | 3,540 | 7,780 |
| | 7/15/2020 | 6,060 | 12,600 |
| | 10/12/2020 | 5,450 | 8,810 |
| MW-24 | | | |
| | 7/20/2016 | 3,720 | 8,910 |
| | 1/12/2017 | 4,740 | 8,690 |
| | 4/7/2017 | 4,520 | 11,200 |
| | 7/18/2017 | 3,880 | 8,600 |
| | 10/6/2017 | 3,930 | 8,500 |
| | 1/12/2018 | 4,060 | 8,170 |
| | 4/5/2018 | 3,980 | 7,080 |
| | 7/3/2018 | 4,140 | 8,210 |
| | 10/4/2018 | 4,850 | 8,870 |
| | 1/8/2019 | 3,320 | 1,020 |
| | 4/9/2019 | 4,370 | 8,250 |
| | 7/15/2019 | 4,180 | 8,860 |
| | 10/16/2019 | 4,150 | 8,980 |
| | 1/23/2020 | 4,470 | 8,980 |
| | 4/14/2020 | 2,770 | 9,190 |
| | 7/15/2020 | 4,430 | 9,130 |
| | 10/12/2020 | 4,330 | 9,440 |
| MW-25 | | | |
| | 7/21/2016 | 560 | 1,510 |
| | 1/11/2017 | 24,400 | 29,700 |
| | 4/10/2017 | 23,100 | 49,600 |
| | 7/18/2017 | 18,800 | 32,800 |
| | 10/6/2017 | 18,300 | 33,200 |
| | 1/12/2018 | 20,900 | 31,400 |
| | 4/5/2018 | 22,400 | 32,800 |
| | 7/3/2018 | 23,600 | 37,600 |
| | 10/4/2018 | 26,500 | 39,000 |
| | 1/8/2019 | 23,500 | 29,800 |
| | 4/9/2019 | 24,100 | 33,100 |
| | 7/15/2019 | 23,200 | 33,200 |
| | 10/17/2019 | 20,900 | 24,800 |
| | 1/23/2020 | 25,200 | 36,400 |
| | 4/14/2020 | 24,200 | 38,500 |
| | 7/15/2020 | 26,100 | 37,300 |
| | 10/12/2020 | 24,100 | 36,900 |

Appendix C

Historical Groundwater Analytical Results Summary
Chevron Dollarhide Unit
Dollarhide, Texas

| Sample Location | Sample Date | Chloride (mg/L) | Total Dissolved Solids (mg/L) |
|---|-------------|--------------------|----------------------------------|
| TCEQ Secondary Drinking Water Standards (mg/L) | | 300 | 1,000 |
| MW-26 | | | |
| | 1/12/2017 | 1,220 | 2,840 |
| | 4/7/2017 | 1,190 | 3,160 |
| | 7/18/2017 | 1,140 | 3,060 |
| | 10/6/2017 | 1,120 | 2,570 |
| | 1/12/2018 | 1,160 | 2,860 |
| | 4/5/2018 | 1,230 | 2,730 |
| | 7/5/2018 | 1,210 | 2,810 |
| | 10/4/2018 | 1,340 | 2,750 |
| | 1/8/2019 | 1,190 | 2,740 |
| | 4/9/2019 | 1,340 | 2,830 |
| | 7/15/2019 | 1,360 | 2,960 |
| | 10/16/2019 | 1,340 | 3,250 |
| | 1/23/2020 | 1,460 | 3,220 |
| | 4/14/2020 | 1,230 | 3,260 |
| | 7/15/2020 | 1,480 | 3,520 |
| | 10/12/2020 | 1,500 | 3,320 |
| MW-27 | | | |
| | 7/20/2016 | 1,340 | 3,080 |
| | 1/11/2017 | 2,400 | 4,160 |
| | 4/7/2017 | 2,380 | 4,520 |
| | 7/18/2017 | 2,110 | 4,150 |
| | 10/6/2017 | 2,280 | 4,610 |
| | 1/12/2018 | 2,260 | 4,220 |
| | 4/5/2018 | 2,400 | 4,250 |
| | 7/3/2018 | 2,510 | 4,790 |
| | 10/3/2018 | 3,030 | 4,700 |
| | 1/8/2019 | 2,420 | 4,110 |
| | 4/5/2019 | 2,830 | 4,490 |
| | 7/15/2019 | 2,540 | 4,440 |
| | 10/16/2019 | 2,490 | 4,160 |
| | 1/21/2020 | 2,420 | 4,230 |
| | 4/14/2020 | 1,770 | 4,170 |
| | 7/15/2020 | 2,950 | 5,120 |
| | 10/12/2020 | 2,490 | 4,200 |
| MW-28 | | | |
| | 1/10/2017 | 917 | 2,520 |
| | 4/7/2017 | 1,090 | 2,650 |
| | 7/17/2017 | 1,190 | 2,730 |
| | 10/6/2017 | 1,240 | 3,270 |
| | 1/12/2018 | 1,470 | 1,280 |
| | 4/5/2018 | 1,540 | 2,660 |
| | 7/6/2018 | 1,610 | 2,540 |
| | 10/3/2018 | 1,760 | 3,020 |
| | 1/7/2019 | 1,510 | 3,050 |
| | 4/5/2019 | 851 | 3,260 |
| | 7/15/2019 | 2,180 | 3,490 |
| | 10/16/2019 | 2,410 | 3,780 |
| | 1/23/2020 | 2,450 | 4,100 |
| | 4/10/2020 | 2,400 | 4,080 |
| | 7/14/2020 | 3,370 | 6,510 |
| | 10/8/2020 | 3,780 | 8,160 |

Appendix C

Historical Groundwater Analytical Results Summary
Chevron Dollarhide Unit
Dollarhide, Texas

| Sample Location | Sample Date | Chloride (mg/L) | Total Dissolved Solids (mg/L) |
|---|-------------|--------------------|----------------------------------|
| TCEQ Secondary Drinking Water Standards (mg/L) | | 300 | 1,000 |
| MW-29 | | | |
| | 1/10/2017 | 354 | 946 |
| | 4/7/2017 | 386 | 1,160 |
| | 7/17/2017 | 393 | 1,060 |
| | 10/6/2017 | 374 | 1,100 |
| | 1/12/2018 | 397 | 601 |
| | 4/5/2018 | 396 | 1,100 |
| | 7/6/2018 | 397 | 860 |
| | 10/3/2018 | 409 | 1,070 |
| | 1/7/2019 | 359 | 7,270 |
| | 4/5/2019 | 508 | 1,100 |
| | 7/15/2019 | 500 | 1,140 |
| | 10/16/2019 | 501 | 1,200 |
| | 1/23/2020 | 535 | 1,250 |
| | 4/10/2020 | 552 | 1,270 |
| | 7/14/2020 | 563 | 1,460 |
| | 10/8/2020 | 637 | 1,460 |
| MW-30 | | | |
| | 7/19/2017 | 2,360 | 4,540 |
| | 10/6/2017 | 2,420 | 5,270 |
| | 1/12/2018 | 2,350 | 4,160 |
| | 4/6/2018 | 2,240 | 1,310 |
| | 7/3/2018 | 2,280 | 3,650 |
| | 10/4/2018 | 2,550 | 3,820 |
| | 1/8/2019 | 2,460 | 3,860 |
| | 4/10/2019 | 2,400 | 4,160 |
| | 7/16/2019 | 1,500 | 4,200 |
| | 10/17/2019 | 2,340 | 3,880 |
| | 1/22/2020 | 2,520 | 4,290 |
| | 4/14/2020 | 1,300 | 3,960 |
| | 7/15/2020 | 2,290 | 4,530 |
| | 10/12/2020 | 2,240 | 4,090 |
| MW-31 | | | |
| | 7/18/2017 | 7,980 | 13,600 |
| | 10/6/2017 | 8,540 | 16,600 |
| | 1/12/2018 | 10,700 | 16,400 |
| | 4/5/2018 | 11,700 | 17,700 |
| | 7/3/2018 | 12,100 | 19,800 |
| | 10/4/2018 | 12,800 | 19,500 |
| | 1/8/2019 | 11,100 | 10,300 |
| | 4/5/2019 | 11,800 | 16,200 |
| | 7/15/2019 | 10,900 | 16,600 |
| | 10/16/2019 | 10,500 | 17,900 |
| | 1/23/2020 | 11,700 | 17,100 |
| | 4/14/2020 | 9,960 | 17,900 |
| | 7/15/2020 | 8,890 | 17,800 |
| | 10/12/2020 | 10,200 | 16,700 |
| MW-32 | | | |
| | 4/10/2019 | 373 | 1,170 |
| | 7/15/2019 | 314 | 1,090 |
| | 10/15/2019 | 271 | 1,110 |
| | 1/23/2020 | 327 | 1,080 |
| | 4/10/2020 | 342 | 1,130 |
| | 7/15/2020 | 321 | 1,140 |
| | 10/8/2020 | 349 | 1,110 |

Appendix C

Historical Groundwater Analytical Results Summary
Chevron Dollarhide Unit
Dollarhide, Texas

| Sample Location | Sample Date | Chloride (mg/L) | Total Dissolved Solids (mg/L) |
|---|-------------|--------------------|----------------------------------|
| TCEQ Secondary Drinking Water Standards (mg/L) | | 300 | 1,000 |
| MW-33 | | | |
| | 4/10/2019 | 183 | 912 |
| | 7/15/2019 | 153 | 988 |
| | 10/15/2019 | 156 | 1,040 |
| | 1/23/2020 | 185 | 1,010 |
| | 4/10/2020 | 190 | 1,100 |
| | 7/14/2020 | 196 | 1,060 |
| | 10/8/2020 | 201 | 1,090 |
| MW-34 | | | |
| | 4/10/2019 | 69.9 | 600 |
| | 7/15/2019 | 64.2 | 621 |
| | 10/15/2019 | 66.5 | 604 |
| | 1/23/2020 | 73.3 | 606 |
| | 4/10/2020 | 69.6 | 618 |
| | 7/14/2020 | 71.3 | 613 |
| | 10/8/2020 | 73.3 | 608 |
| NM-MW-1 | | | |
| | 12/3/2015 | 266 | 1,540 |
| | 1/28/2016 | 283 | 1,470 |
| | 7/22/2016 | 294 | 1,420 |
| | 1/12/2017 | 383 | 1,570 |
| | 4/7/2017 | 291 | 1,510 |
| | 7/13/2017 | 287 | 1,520 |
| | 10/6/2017 | 271 | 1,500 |
| | 1/12/2018 | 271 | 933 |
| | 4/5/2018 | 263 | 1,400 |
| | 7/6/2018 | 275 | 1,350 |
| | 10/3/2018 | 279 | 1,460 |
| | 1/7/2019 | 256 | 1,370 |
| | 4/4/2019 | 330 | 1,400 |
| | 7/11/2019 | 291 | 1,380 |
| | 10/15/2019 | 281 | 1,450 |
| | 1/20/2020 | 286 | 1,390 |
| | 4/9/2020 | 277 | 1,440 |
| | 7/14/2020 | 293 | 1,450 |
| | 10/7/2020 | 288 | 1,450 |
| NM-MW-2 | | | |
| | 12/3/2015 | 640 | 2,620 |
| | 1/28/2016 | 658 | 1,920 |
| | 7/22/2016 | 638 | 858 |
| | 1/12/2017 | 790 | 1,770 |
| | 4/7/2017 | 656 | 1,590 |
| | 7/13/2017 | 653 | 1,340 |
| | 10/6/2017 | 650 | 1,410 |
| | 1/12/2018 | 639 | 990 |
| | 4/5/2018 | 610 | 1,210 |
| | 7/6/2018 | 679 | 1,160 |
| | 10/3/2018 | 674 | 1,270 |
| | 1/7/2019 | 616 | 1,210 |
| | 4/4/2019 | 736 | 1,230 |
| | 7/11/2019 | 397 | 1,330 |
| | 10/15/2019 | 666 | 1,240 |
| | 1/20/2020 | 643 | 1,240 |
| | 4/9/2020 | 734 | 1,270 |
| | 7/14/2020 | 696 | 1,530 |
| | 10/7/2020 | 706 | 1,370 |

Appendix C

Historical Groundwater Analytical Results Summary
Chevron Dollarhide Unit
Dollarhide, Texas

| Sample Location | Sample Date | Chloride (mg/L) | Total Dissolved Solids (mg/L) |
|---|-------------|--------------------|----------------------------------|
| TCEQ Secondary Drinking Water Standards (mg/L) | | 300 | 1,000 |
| NM-MW-3 | | | |
| | 12/3/2015 | 648 | 3,900 |
| | 1/28/2016 | 327 | 1,870 |
| | 7/22/2016 | 121 | 524 |
| | 1/12/2017 | 224 | 581 |
| | 4/7/2017 | 161 | 564 |
| | 7/13/2017 | 186 | 592 |
| | 10/6/2017 | 276 | 626 |
| | 1/12/2018 | 221 | 501 |
| | 4/5/2018 | 180 | 601 |
| | 7/6/2018 | 220 | 625 |
| | 10/3/2018 | 246 | 708 |
| | 1/7/2019 | 447 | 1,250 |
| | 4/4/2019 | 259 | 653 |
| | 7/11/2019 | 184 | 581 |
| | 10/15/2019 | 183 | 596 |
| | 1/20/2020 | 241 | 649 |
| | 4/9/2020 | 255 | 721 |
| | 7/14/2020 | 261 | 811 |
| | 10/7/2020 | 253 | 731 |
| NM-MW-4 | | | |
| | 12/3/2015 | 739 | 2,960 |
| | 1/28/2016 | 22.8 | 821 |
| | 7/22/2016 | 40.9 | 444 |
| | 1/12/2017 | 48.7 | 379 |
| | 4/7/2017 | 35.0 | 410 |
| | 7/13/2017 | 36.1 | 422 |
| | 10/6/2017 | 42.0 | 468 |
| | 1/12/2018 | 39 | 217 |
| | 4/5/2018 | 34 | 410 |
| | 7/6/2018 | 40.6 | 414 |
| | 10/3/2018 | 39.7 | 411 |
| | 1/7/2019 | 258 | 1,240 |
| | 4/4/2019 | 188 | 420 |
| | 7/11/2019 | 40.6 | 423 |
| | 10/15/2019 | 46.2 | 430 |
| | 1/20/2020 | 44.1 | 388 |
| | 4/9/2020 | 45.8 | 513 |
| | 7/14/2020 | 46.9 | 419 |
| | 10/7/2020 | 47.7 | 431 |
| NM-MW-5 | | | |
| | 12/3/2015 | NS | NS |
| | 1/28/2016 | 144 | 1,250 |
| | 7/22/2016 | 129 | 1,270 |
| | 1/12/2017 | 182 | 1,320 |
| | 4/7/2017 | 145 | 1,260 |
| | 7/13/2017 | 147 | 1,340 |
| | 10/6/2017 | 144 | 1,090 |
| | 1/12/2018 | 133 | 893 |
| | 4/5/2018 | 134 | 1,300 |
| | 7/6/2018 | 140 | 1,240 |
| | 10/3/2018 | 138 | 1,290 |
| | 1/7/2019 | 142 | 1,280 |
| | 4/4/2019 | 175 | 1,240 |
| | 7/11/2019 | 149 | 1,290 |
| | 10/15/2019 | 170 | 1,320 |
| | 1/20/2020 | 152 | 1,240 |
| | 4/9/2020 | 158 | 1,310 |
| | 7/14/2020 | 162 | 1,250 |
| | 10/7/2020 | 155 | 1,330 |

Appendix C

Historical Groundwater Analytical Results Summary
Chevron Dollarhide Unit
Dollarhide, Texas

| Sample Location | Sample Date | Chloride (mg/L) | Total Dissolved Solids (mg/L) |
|---|-------------|--------------------|----------------------------------|
| TCEQ Secondary Drinking Water Standards (mg/L) | | 300 | 1,000 |
| NM-MW-6 | | | |
| | 12/2/2015 | 188 | 1,240 |
| | 1/28/2016 | 183 | 1,060 |
| | 7/22/2016 | 121 | 817 |
| | 1/12/2017 | 168 | 825 |
| | 4/7/2017 | 143 | 852 |
| | 7/13/2017 | 138 | 818 |
| | 10/6/2017 | 132 | 742 |
| | 1/12/2018 | 137 | 468 |
| | 4/5/2018 | 127 | 836 |
| | 7/6/2018 | 134 | 801 |
| | 10/3/2018 | 138 | 833 |
| | 1/7/2019 | 113 | 813 |
| | 4/4/2019 | 161 | 813 |
| | 7/12/2019 | 143 | 863 |
| | 10/15/2019 | 139 | 827 |
| | 1/20/2020 | 145 | 750 |
| | 4/9/2020 | 145 | 834 |
| | 7/14/2020 | 152 | 828 |
| | 10/7/2020 | 147 | 826 |
| NM-MW-7 | | | |
| | 12/3/2015 | 696 | 3,200 |
| | 1/28/2016 | 1,840 | 3,150 |
| | 7/22/2016 | 1,890 | 5,320 |
| | 1/12/2017 | 2,390 | 3,770 |
| | 4/7/2017 | 2,180 | 4,770 |
| | 7/13/2017 | 2,120 | 4,100 |
| | 10/6/2017 | 2,070 | 4,200 |
| | 1/12/2018 | 2,110 | 2,370 |
| | 4/5/2018 | 2,090 | 4,270 |
| | 7/6/2018 | 2,330 | 3,780 |
| | 10/3/2018 | 2,380 | 4,050 |
| | 1/7/2019 | 2,040 | 5,190 |
| | 4/4/2019 | 1,940 | 4,160 |
| | 7/11/2019 | 2,600 | 4,390 |
| | 10/15/2019 | 2,370 | 4,240 |
| | 1/20/2020 | 2,450 | 4,410 |
| | 4/9/2020 | 2,460 | 4,620 |
| | 7/14/2020 | 2,360 | 5,250 |
| | 10/7/2020 | 2,270 | 4,860 |
| NM-MW-8 | | | |
| | 3/3/2017 | 4,870 | 9,740 |
| | 4/7/2017 | 4,870 | 12,800 |
| | 7/13/2017 | 5,010 | 9,040 |
| | 10/4/2017 | 5,000 | 10,900 |
| | 1/12/2018 | 5,260 | 5,240 |
| | 4/5/2018 | 5,110 | 9,160 |
| | 7/6/2018 | 5,960 | 9,620 |
| | 10/3/2018 | 6,260 | 11,000 |
| | 1/7/2019 | 4,630 | 8,040 |
| | 4/4/2019 | 6,690 | 10,100 |
| | 7/11/2019 | 6,200 | 9,310 |
| | 10/15/2019 | 7,120 | 10,700 |
| | 1/20/2020 | 6,220 | 10,400 |
| | 4/9/2020 | 6,680 | 11,700 |
| | 7/14/2020 | 6,540 | 12,400 |
| | 10/7/2020 | 6,370 | 11,100 |

Appendix C

Historical Groundwater Analytical Results Summary
Chevron Dollarhide Unit
Dollarhide, Texas

| Sample Location | Sample Date | Chloride (mg/L) | Total Dissolved Solids (mg/L) |
|---|-------------|--------------------|----------------------------------|
| TCEQ Secondary Drinking Water Standards (mg/L) | | 300 | 1,000 |
| NM-MW-9 | | | |
| | 1/13/2017 | NS | NS |
| | 4/10/2017 | NS | NS |
| | 7/17/2017 | 224 | 776 |
| | 10/4/2017 | 263 | 813 |
| | 1/12/2018 | 221 | 717 |
| | 4/5/2018 | 234 | 804 |
| | 7/6/2018 | 252 | 785 |
| | 10/3/2018 | 258 | 799 |
| | 1/7/2019 | 2,620 | 4,160 |
| | 4/5/2019 | 297 | 786 |
| | 7/12/2019 | 264 | 797 |
| | 10/15/2019 | 243 | 812 |
| | 1/22/2020 | 555 | 1,090 |
| | 4/10/2020 | 263 | 833 |
| | 7/13/2020 | 271 | 852 |
| | 10/8/2020 | 256 | 811 |
| NM-MW-10 | | | |
| | 1/10/2017 | 314 | 1,550 |
| | 4/7/2017 | 355 | 1,570 |
| | 7/17/2017 | 308 | 1,600 |
| | 10/4/2017 | 302 | 1,550 |
| | 1/12/2018 | 314 | 1,050 |
| | 4/5/2018 | 301 | 1,620 |
| | 7/6/2018 | 308 | 1,450 |
| | 10/3/2018 | 315 | 1,520 |
| | 1/7/2019 | 290 | 1,530 |
| | 4/4/2019 | 396 | 1,670 |
| | 7/12/2019 | 354 | 1,680 |
| | 10/15/2019 | 340 | 1,670 |
| | 1/20/2020 | 357 | 1,620 |
| | 4/10/2020 | 367 | 1,720 |
| | 7/13/2020 | 366 | 1,650 |
| | 10/8/2020 | 366 | 1,720 |
| NM-MW-11 | | | |
| | 1/10/2017 | 190 | 2,100 |
| | 4/7/2017 | 158 | 1,980 |
| | 7/17/2017 | 135 | 2,020 |
| | 10/4/2017 | 154 | 1,940 |
| | 1/12/2018 | 155 | 1,710 |
| | 4/5/2018 | 699 | 1,920 |
| | 7/6/2018 | 143 | 1,820 |
| | 10/3/2018 | 152 | 1,920 |
| | 1/7/2019 | 154 | 1,840 |
| | 4/4/2019 | 185 | 1,870 |
| | 7/12/2019 | 157 | 1,980 |
| | 10/15/2019 | 134 | 1,530 |
| | 1/20/2020 | 161 | 1,870 |
| | 4/9/2020 | 160 | 1,990 |
| | 7/10/2020 | 178 | 2,120 |
| | 10/8/2020 | 181 | 1,960 |

Appendix C

Historical Groundwater Analytical Results Summary
Chevron Dollarhide Unit
Dollarhide, Texas

| Sample Location | Sample Date | Chloride (mg/L) | Total Dissolved Solids (mg/L) |
|---|-------------|--------------------|----------------------------------|
| TCEQ Secondary Drinking Water Standards (mg/L) | | 300 | 1,000 |
| NM-MW-12 | | | |
| | 3/3/2017 | 760 | 1,460 |
| | 4/7/2017 | 725 | 2,230 |
| | 7/17/2017 | 726 | 1,540 |
| | 10/4/2017 | 643 | 1,590 |
| | 1/12/2018 | 663 | 1,470 |
| | 4/5/2018 | 656 | 1,430 |
| | 7/6/2018 | 665 | 1,250 |
| | 10/3/2018 | 668 | 1,390 |
| | 1/7/2019 | 596 | 1,300 |
| | 4/4/2019 | 739 | 1,310 |
| | 7/12/2019 | 657 | 524 |
| | 10/15/2019 | 512 | 1,380 |
| | 1/20/2020 | NS | NS |
| | 4/10/2020 | 591 | 1,290 |
| | 7/10/2020 | 589 | 1,270 |
| | 10/8/2020 | 580 | 1,280 |
| NM-MW-13 | | | |
| | 3/3/2017 | 183 | 1,020 |
| | 4/7/2017 | 192 | 1,110 |
| | 7/17/2017 | 185 | 1,100 |
| | 10/4/2017 | 183 | 1,100 |
| | 1/12/2018 | 188 | 965 |
| | 4/5/2018 | 180 | 1,090 |
| | 7/6/2018 | 184 | 1,050 |
| | 10/3/2018 | 185 | 1,110 |
| | 1/7/2019 | 165 | 1,070 |
| | 4/4/2019 | 225 | 1,090 |
| | 7/12/2019 | 199 | 1,090 |
| | 10/15/2019 | 179 | 1,100 |
| | 1/20/2020 | 203 | 1,060 |
| | 4/9/2020 | 201 | 1,090 |
| | 7/10/2020 | 212 | 1,130 |
| | 10/8/2020 | 211 | 1,100 |
| NM-MW-14 | | | |
| | 2/18/2020 | 24.4 | 457 |
| | 4/10/2020 | 25.7 | 482 |
| | 7/13/2020 | 25.0 | 488 |
| | 10/8/2020 | 26.4 | 465 |
| NM-MW-15 | | | |
| | 2/18/2020 | 55.9 | 499 |
| | 4/9/2020 | 55.6 | 530 |
| | 7/10/2020 | 57.3 | 509 |
| | 10/8/2020 | 59.9 | 521 |
| NM-MW-16 | | | |
| | 2/18/2020 | NS | NS |
| | 4/9/2020 | NS | NS |
| | 7/10/2020 | NS | NS |
| | 10/8/2020 | NS | NS |
| NM-MW-17 | | | |
| | 2/18/2020 | 160 | 989 |
| | 4/9/2020 | 198 | 1,070 |
| | 7/10/2020 | 211 | 978 |
| | 10/8/2020 | 216 | 976 |

Appendix C

Historical Groundwater Analytical Results Summary
Chevron Dollarhide Unit
Dollarhide, Texas

| Sample Location | Sample Date | Chloride (mg/L) | Total Dissolved Solids (mg/L) |
|---|-------------|--------------------|----------------------------------|
| TCEQ Secondary Drinking Water Standards (mg/L) | | 300 | 1,000 |
| NM-MW-20 | | | |
| | 2/18/2020 | 21.8 | 372 |
| | 4/9/2020 | 21.0 | 408 |
| | 7/10/2020 | 22.2 | 377 |
| | 10/8/2020 | 23.0 | 402 |
| NM-MW-21 | | | |
| | 2/18/2020 | 31.5 | 533 |
| | 4/9/2020 | 28.3 | 560 |
| | 7/10/2020 | 28.8 | 524 |
| | 10/8/2020 | 29.8 | 523 |
| Non-Remedial Wells | | | |
| DHU-FWS | | | |
| | 01/06 | 564 | 3,082 |
| | 03/06 | 581 | 3,181 |
| | 6/14/2006 | 553 | 3,020 |
| | 9/12/2006 | 584 | 2,650 |
| | 12/6/2006 | 636 | 3,070 |
| | 7/30/2007 | 646 | 3,010 |
| | 1/21/2008 | 637 | 3,140 |
| | 7/7/2008 | 546 | 3,050 |
| | 1/26/2009 | 610 | 3,040 |
| | 8/21/2009 | 580 | 3,000 |
| | 2/17/2010 | NS | 3,000 |
| | 2/18/2010 | 401 | NS |
| | 8/16/2010 | 771 | 3,060 |
| | 2/10/2011 | 577 | 2,840 |
| | 8/2/2011 | 612 | 2,960 |
| | 1/31/2012 | 866 | 2,910 |
| | 7/19/2016 | 629 | 2,810 |
| | 1/11/2017 | 670 | 3,060 |
| | 4/10/2017 | NS | NS |
| | 7/14/2017 | 587 | 3,020 |
| | 10/9/2017 | 565 | 2,990 |
| | 1/12/2018 | 615 | 2,820 |
| | 4/5/2018 | 572 | 2,640 |
| | 7/5/2018 | 593 | 2,710 |
| | 10/3/2018 | 593 | 2,830 |
| | 1/7/2019 | 611 | 2,900 |
| | 4/5/2019 | 658 | 3,120 |
| | 7/15/2019 | 624 | 3,020 |
| | 10/16/2019 | 603 | 2,950 |
| | 1/22/2020 | NS | NS |
| | 4/13/2020 | 570 | 2,940 |
| | 7/14/2020 | 628 | 3,120 |
| | 10/12/2020 | 650 | 3,240 |

Appendix C

Historical Groundwater Analytical Results Summary
Chevron Dollarhide Unit
Dollarhide, Texas

| Sample Location | Sample Date | Chloride (mg/L) | Total Dissolved Solids (mg/L) |
|---|-------------|--------------------|----------------------------------|
| TCEQ Secondary Drinking Water Standards (mg/L) | | 300 | 1,000 |
| DHU-Office | | | |
| | 04/06 | 376 | 2,434 |
| DHU- Office (CHRM) | | | |
| | 04/06 | 382 | 2,460 |
| Livermore | | | |
| | 01/06 | NS | NS |
| | 03/06 | 6,946 | 11,381 |
| | 6/14/2006 | 8,320 | 14,300 |
| | 9/12/2006 | 7,400 | 12,000 |
| | 12/7/2006 | 5,750 | 12,000 |
| | 2/28/2007 | 5,770 | 11,200 |
| | 7/30/2007 | 5,910 | 12,600 |
| | 7/7/2008 | 5,280 | 9,340 |
| | 1/29/2009 | 4,670 | 8,200 |
| | 8/25/2009 | 4,630 | 8,260 |
| | 2/18/2010 | 3,700 | 7,560 |
| | 8/20/2010 | 4,390 | 7,920 |
| | 2/15/2011 | 4,400 | 7,430 |
| | 8/5/2011 | 4,230 | 7,230 |
| | 2/3/2012 | 3,310 | 6,790 |
| | 8/7/2012 | 3,730 | NS |
| | 1/3/2013 | 3,810 | 6,080 |
| | 7/31/2013 | 3,630 | 6,240 |
| | 1/15/2014 | 3,450 | 5,580 |
| | 7/16/2014 | 3,190 | 6,830 |
| | 1/14/2015 | 3,200 | 6,490 |
| | 7/17/2015 | 5,380 | 11,500 |
| | 1/29/2016 | 3,110 | 4,530 |
| | 7/21/2016 | 3,040 | 5,710 |
| | 1/11/2017 | 2,940 | 4,970 |
| | 4/10/2017 | NS | NS |
| | 7/19/2017 | 2,870 | 4,800 |
| | 10/9/2017 | 2,700 | 4,200 |
| | 1/12/2018 | 2,700 | 4,830 |
| | 4/6/2018 | 2,530 | 1,430 |
| | 7/3/2018 | 2,560 | 4,580 |
| | 10/4/2018 | 2,710 | 4,020 |
| | 1/8/2019 | 2,530 | 4,330 |
| | 4/10/2019 | 2,660 | 4,670 |
| | 7/16/2019 | 1,340 | 4,720 |
| | 10/17/2019 | 2,490 | 4,160 |
| | 1/22/2020 | 2,700 | 4,560 |
| | 4/13/2020 | 1,880 | 4,300 |
| | 7/15/2020 | 2,440 | 5,200 |
| | 10/12/2020 | 2,450 | 4,430 |
| Pure Water Tower | | | |
| | 01/06 | 6,976 | 12,456 |
| | 03/06 | NS | NS |
| | 6/14/2006 | 7,890 | 16,200 |
| | 9/12/2006 | 8,200 | 13,100 |
| | 12/6/2006 | 8,070 | 14,600 |
| | 2/27/2007 | 6,400 | 12,800 |
| | 7/30/2007 | 7,450 | 15,400 |
| | 1/21/2008 | 11,800 | 20,100 |
| | 1/26/2009 | 5,010 | 12,100 |
| | 8/21/2009 | 6,920 | 12,900 |
| | 2/17/2010 | NS | 19,800 |
| | 2/18/2010 | 9,880 | NS |
| | 8/16/2010 | 11,800 | 23,000 |
| | 6/28/2011 | 9,260 | 20,500 |
| | 8/5/2011 | 6,470 | 12,900 |
| | 1/31/2012 | 5,380 | 11,500 |
| | 7/14/2020 | NS | NS |
| | 10/12/2020 | NS | NS |

Appendix C

**Historical Groundwater Analytical Results Summary
Chevron Dollarhide Unit
Dollarhide, Texas**

| Sample Location | Sample Date | Chloride (mg/L) | Total Dissolved Solids (mg/L) |
|--|-------------|-----------------|-------------------------------|
| TCEQ Secondary Drinking Water Standards (mg/L) | | 300 | 1,000 |
| Pure Water Well | | | |
| | 01/06 | NS | NS |
| | 03/06 | NS | NS |
| | 6/14/2006 | 5,820 | 11,200 |
| | 9/12/2006 | 6,260 | 13,900 |
| | 12/6/2006 | 2,790 | 5,680 |
| | 7/23/2007 | 4,060 | 9,500 |
| | 1/21/2008 | 2,560 | 4,590 |
| | 7/7/2008 | 1,030 | 2,320 |
| | 1/26/2009 | 4,390 | 10,400 |
| | 8/21/2009 | 5,240 | 9,840 |
| | 2/17/2010 | NS | 9,160 |
| | 2/18/2010 | 1,810 | NS |
| | 2/10/2011 | 5,070 | 12,900 |
| | 8/5/2011 | 5,430 | 12,900 |
| | 8/21/2012 | 4,650 | 10,200 |
| | 1/30/2013 | 4,880 | 8,800 |
| | 10/25/2013 | 5,340 | 11,100 |
| | 1/13/2014 | 4,830 | 10,700 |
| | 7/17/2015 | 754 | 1,890 |
| | 7/14/2020 | NS | NS |
| | 10/12/2020 | NS | NS |
| RRR Ranch Windmill | | | |
| | 01/06 | NS | NS |
| | 03/06 | 1,693 | 3,527 |
| | 6/14/2006 | 1,760 | 3,640 |
| | 1/28/2016 | 1,430 | 2,760 |
| | 7/22/2016 | 1,460 | 3,940 |
| | 1/12/2017 | 1,760 | 3,030 |
| | 4/10/2017 | NS | NS |
| | 7/17/2017 | 1,570 | 3,300 |
| | 10/9/2017 | 2,620 | 3,870 |
| | 1/12/2018 | 650 | 1,500 |
| | 4/5/2018 | 1,620 | 3,110 |
| | 7/6/2018 | 1,670 | 3,030 |
| | 10/3/2018 | 1,660 | 3,000 |
| | 1/7/2019 | 1,290 | 2,950 |
| | 4/4/2019 | 47.4 | 3,110 |
| | 7/11/2019 | 1,800 | 3,560 |
| | 10/15/2019 | 1,800 | 3,500 |
| | 1/23/2020 | 1,850 | 3,520 |
| | 4/9/2020 | 1,860 | 3,460 |
| | 7/14/2020 | 1,930 | 4,490 |
| | 10/7/2020 | 1,960 | 4,110 |

Appendix C

Historical Groundwater Analytical Results Summary
Chevron Dollarhide Unit
Dollarhide, Texas

| Sample Location | Sample Date | Chloride (mg/L) | Total Dissolved Solids (mg/L) |
|---|-------------|--------------------|----------------------------------|
| TCEQ Secondary Drinking Water Standards (mg/L) | | 300 | 1,000 |
| TRAC-4 | | | |
| | 01/06 | 432 | 1,237 |
| | 03/06 | 581 | 3,181 |
| | 6/14/2006 | 402 | 1,270 |
| | 9/11/2006 | 428 | 1,310 |
| | 12/7/2006 | 456 | 1,300 |
| | 2/27/2007 | 435 | 1,240 |
| | 7/30/2007 | 493 | 1,320 |
| | 1/21/2008 | 421 | 1,220 |
| | 7/7/2008 | 461 | 1,290 |
| | 1/26/2009 | 546 | 1,320 |
| | 8/21/2009 | 471 | 1,330 |
| | 2/17/2010 | NS | 1,320 |
| | 2/18/2010 | 469 | NS |
| | 2/15/2011 | 549 | 1,340 |
| | 8/4/2011 | 455 | 1,250 |
| | 1/31/2012 | 445 | 1,150 |
| | 8/2/2012 | 433 | NS |
| | 7/31/2013 | 427 | 1,170 |
| | 7/18/2014 | 470 | 1,480 |
| | 7/17/2015 | 425 | 1,210 |
| | 1/28/2016 | 400 | 1,280 |
| | 7/19/2016 | NS | NS |
| | 1/11/2017 | 377 | 1,160 |
| | 4/10/2017 | NS | NS |
| | 7/19/2017 | 350 | 1,100 |
| | 10/9/2017 | 348 | 1,110 |
| | 1/12/2018 | 335 | 1,120 |
| | 4/6/2018 | 401 | 1,040 |
| | 7/3/2018 | 343 | 1,040 |
| | 10/4/2018 | 347 | 1,070 |
| | 1/7/2019 | 315 | 1,080 |
| | 4/9/2019 | 350 | 1,070 |
| | 7/16/2019 | 333 | 1,110 |
| | 10/17/2019 | 323 | 1,070 |
| | 1/22/2020 | NS | NS |
| | 4/10/2020 | NS | NS |
| | 7/14/2020 | NS | NS |
| | 10/12/2020 | NS | NS |
| TRAC-8 | | | |
| | 01/06 | 2,090 | 3,786 |
| | 03/06 | 2,090 | 3,801 |
| | 6/14/2006 | 1,740 | 3,830 |
| | 9/11/2006 | 1,990 | 4,630 |
| | 12/6/2006 | 2,130 | 4,600 |
| | 2/27/2007 | 2,220 | 4,630 |
| | 7/30/2007 | 2,220 | 5,110 |
| | 1/21/2008 | 2,100 | 3,580 |
| | 7/7/2008 | 2,010 | 4,170 |
| | 1/26/2009 | 2,250 | 4,280 |
| | 8/21/2009 | 2,260 | 4,140 |
| | 3/8/2010 | 2,240 | 4,430 |
| | 8/16/2010 | 2,360 | 4,350 |
| | 2/10/2011 | 2,880 | 4,750 |
| | 8/4/2011 | 2,450 | 5,170 |
| | 1/31/2012 | 2,120 | 4,600 |
| | 8/2/2012 | 1,600 | NS |
| | 1/30/2013 | 1,920 | 3,420 |
| | 7/31/2013 | 1,760 | 4,060 |
| | 1/13/2014 | 1,650 | 3,270 |
| | 7/17/2014 | 1,770 | 4,670 |
| | 1/13/2015 | 1,810 | 4,300 |
| | 1/28/2016 | NS | NS |
| | 7/19/2016 | 2,000 | 4,380 |
| | 7/14/2020 | NS | NS |
| | 10/12/2020 | NS | NS |

Appendix C

**Historical Groundwater Analytical Results Summary
Chevron Dollarhide Unit
Dollarhide, Texas**

| Sample Location | Sample Date | Chloride (mg/L) | Total Dissolved Solids (mg/L) |
|--|-------------|-----------------|-------------------------------|
| TCEQ Secondary Drinking Water Standards (mg/L) | | 300 | 1,000 |
| Wilson Ranch | | | |
| | 01/06 | 2,243 | 3,578 |
| | 03/06 | NS | NS |
| | 6/14/2006 | 2,410 | 4,980 |
| | 9/12/2006 | 2,510 | 4,450 |
| | 12/7/2006 | 2,350 | 4,750 |
| | 2/27/2007 | 2,110 | 4,020 |
| | 7/30/2007 | 2,440 | 5,240 |
| | 1/21/2008 | 2,690 | 3,880 |
| | 7/7/2008 | 2,030 | 3,810 |
| | 8/25/2009 | 2,320 | 5,350 |
| | 2/12/2016 | 888 | 2,230 |
| | 7/19/2016 | 1,500 | 3,250 |
| | 1/10/2017 | 1,300 | 3,130 |
| | 4/10/2017 | NS | NS |
| | 7/16/2017 | 1,140 | 2,380 |
| | 10/9/2017 | 1,200 | 2,800 |
| | 1/12/2018 | 673 | 1,600 |
| | 4/6/2018 | 1,360 | 2,950 |
| | 7/6/2018 | 1,330 | 2,190 |
| | 10/3/2018 | 1,380 | 2,680 |
| | 1/7/2019 | 1,070 | 2,420 |
| | 4/4/2019 | 1,480 | 2,440 |
| | 7/12/2019 | 1,300 | 2,530 |
| | 10/15/2019 | 928 | 1,880 |
| | 1/22/2020 | 1,330 | 2,790 |
| | 4/10/2020 | 1,260 | 2,530 |
| | 7/10/2020 | 1,030 | 1,990 |
| | 10/8/2020 | 784 | 1,710 |
| Smith Residential Well | | | |
| | 1/13/2017 | 1,600 | 2,580 |
| | 4/10/2017 | NS | NS |
| | 7/17/2017 | 1,050 | 2,230 |
| | 10/9/2017 | 1,260 | 2,660 |
| | 1/12/2018 | 650 | 1,500 |
| | 4/5/2018 | 1,280 | 2,670 |
| | 7/6/2018 | 1,340 | 2,140 |
| | 10/3/2018 | 1,310 | 2,260 |
| | 1/7/2019 | 1,020 | 2,230 |
| | 4/5/2019 | 1,510 | 2,490 |
| | 7/12/2019 | 1,300 | 2,660 |
| | 10/15/2019 | 1,180 | 2,140 |
| | 1/22/2020 | 1,360 | 2,550 |
| | 4/10/2020 | 1,310 | 2,600 |
| | 7/10/2020 | 1,310 | 2,570 |
| | 10/8/2020 | 753 | 1,570 |

Notes:

1. Constituent concentrations are reported in milligrams per liter (mg/L).
2. Bold font and shading indicates that a detected result exceeded the TCEQ Secondary Drinking Water Standard.

NS = Not Sampled

NS = Not Applicable

Appendix D Data Validation Reports



Memorandum

August 11, 2020

| | | | |
|----------|--|-----------|--------------|
| To: | Nick Casten, Liz Whiddon | Ref. No.: | 055270 |
| From: | Chris G. Knight/eew/31-NF | Tel: | 512-506-8803 |
| Subject: | Analytical Results and Reduced Validation Groundwater Monitoring Well Sampling Chevron Environmental Management Company (CEMC) - Dollarhide Andrews County, Texas July 2020 | | |

1. Introduction

The following document details a reduced validation of analytical results for groundwater samples collected at the Chevron Environmental Management Company (CEMC) – Dollarhide site during July 2020. Samples were submitted to Xenco Laboratories, located in Midland, Texas. A sample collection and analysis summary is presented in Table 1. The validated analytical results are summarized in Table 2. A summary of the analytical methodology is presented in Table 3.

Standard GHD report deliverables were submitted by the laboratory. The final results and supporting quality assurance/quality control (QA/QC) data were assessed. Evaluation of the data was based on information obtained from the chain of custody form, finished report forms, method blank data, duplicate data, recovery data from laboratory control sample/laboratory control duplicate samples (LCS/LCSD), matrix spikes/matrix spike duplicates (MS/MSD), laboratory duplicates, and field QA/QC samples.

The QA/QC criteria by which these data have been assessed are outlined in the analytical methods referenced in Table 3 and applicable guidance from the document entitled:

- i) "USEPA Contract Laboratory Program National Functional Guidelines for Inorganic Superfund Data Review", EPA 540-R-2016-001, September 2016.

Item i) will subsequently be referred to as the "Guidelines" in this Memorandum.

2. Sample Holding Time and Preservation

The sample holding time criteria for the analyses are summarized in Table 3. The sample chain of custody document and the analytical reports were used to determine sample holding times. All samples were analyzed within the required holding times.

All samples were delivered on ice and stored by the laboratory at the required temperature (0-6°C).

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3. Laboratory Method Blank Analyses

Method blanks are prepared from a purified matrix and analyzed with investigative samples to determine the existence and magnitude of sample contamination introduced during the analytical procedures.

For this study, laboratory method blanks were analyzed at a minimum frequency of one per twenty investigative samples and/or one per analytical batch.

All method blank results were non-detect, indicating that laboratory contamination was not a factor for this investigation.

4. Laboratory Control Sample Analyses

LCS/LCSD are prepared and analyzed as samples to assess the analytical efficiencies of the methods employed, independent of sample matrix effects. The relative percent difference (RPD) of the LCS/LCSD recoveries is used to evaluate analytical precision.

For this study, LCS/LCSD were analyzed at a minimum frequency of one per twenty investigative samples and/or one per analytical batch.

The LCS/LCSD contained chloride. LCS recoveries were assessed per the "Guidelines". All LCS recoveries and RPDs were within the control limits, demonstrating acceptable analytical accuracy and precision.

5. Matrix Spike Analyses

To evaluate the effects of sample matrices on the preparation process, measurement procedures, and accuracy of a particular analysis, samples are spiked with a known concentration of the analyte of concern and analyzed as MS/MSD samples. The RPD between the MS and MSD is used to assess analytical precision.

MS/MSD analyses were performed for chloride analyses as specified in Table 1. The MS/MSD samples were spiked with chloride and the results were evaluated using the "Guidelines". All percent recoveries and RPD values were within the control limits, demonstrating acceptable analytical accuracy and precision with the following exception:

- i) One MS/MSD was reported with elevated recoveries due to possible matrix interferences and was not assessed. No further action was required.

The laboratory also performed additional MS/MSD analyses on non-site samples. These cannot be used to assess accuracy and precision for the site samples.



6. Duplicate Sample Analyses

Analytical precision is evaluated based on the analysis of laboratory duplicate samples. For this study, duplicate samples were prepared and analyzed by the laboratory as specified in Table 1 for total dissolved solids (TDS). The duplicate results were evaluated per the "Guidelines".

All duplicate analyses performed were acceptable, demonstrating acceptable analytical precision.

The laboratory also performed additional duplicate analyses on non-site samples. These cannot be used to assess precision for the site samples.

7. Field QA/QC Samples

The field QA/QC consisted four field duplicate sample sets.

To assess the analytical and sampling protocol precision, four field duplicate sample sets were collected and submitted to the laboratory, as specified in Table 1. The RPDs associated with these duplicate samples must be less than fifty percent for water. If the reported concentration in either the investigative sample or its duplicate is less than five times the reporting limit (RL), the evaluation criterion is one times the RL value.

All field duplicate results were within acceptable agreement, demonstrating acceptable sampling and analytical precision.

8. Analyte Reporting

The laboratory reported detected results down to the laboratory's RL for each analyte.

9. Conclusion

Based on the assessment detailed in the foregoing, the data summarized in Table 2 are acceptable without qualification.

Table 1

Sample Collection and Analysis Summary
Groundwater Monitoring Well Sampling
Chevron Environmental Management Company (CEMC) - Dollarhide
Andrews County, Texas
July 2020

| Sample Identification | Location | Matrix | Collection | Collection | <u>Analysis/Parameters</u> | | | Comments |
|------------------------------|-----------------|---------------|-----------------------------|-------------------------|-----------------------------------|------------|-----------------------------|-----------------|
| | | | Date (mm/dd/yyyy) | Time (hr:min) | Chloride | TDS | | |
| NM-MW-13-W-201007 | NM-MW-13 | Water | 07/10/2020 | 10:00 | X | X | | DUP |
| NM-MW-11-W-201007 | NM-MW-11 | Water | 07/10/2020 | 10:30 | X | X | | |
| NM-MW-11-WD-201007 | NM-MW-11 | Water | 07/10/2020 | 10:45 | X | X | Field duplicate of NM-MW-11 | |
| NM-MW-15-W-201007 | NM-MW-15 | Water | 07/10/2020 | 11:00 | X | X | | MS/MSD |
| NM-MW-20-W-201007 | NM-MW-20 | Water | 07/10/2020 | 11:45 | X | X | | |
| NM-MW-21-W-201007 | NM-MW-21 | Water | 07/10/2020 | 12:15 | X | X | | MS/MSD |
| NM-MW-17-W-201007 | NM-MW-17 | Water | 07/10/2020 | 12:45 | X | X | | |
| NM-MW-12-W-201007 | NM-MW-12 | Water | 07/10/2020 | 13:30 | X | X | | |
| Wilson Ranch Well-W-201007 | WILSON RANCH WW | Water | 07/10/2020 | 13:45 | X | X | | |
| Smith Residence | SMITH RESIDENCE | Water | 07/10/2020 | 14:15 | X | X | | |
| 44-J-4-MW-W-201307 | 44-J-4 | Water | 07/13/2020 | 10:00 | X | X | | DUP |
| 44-J-3-MW-W-201307 | 44-J-3 | Water | 07/13/2020 | 10:15 | X | X | | |
| 44-J-5-MW-W-201307 | 44-J-5 | Water | 07/13/2020 | 10:30 | X | X | | |
| 44-J-1-MW-W-201307 | 44-J-1 | Water | 07/13/2020 | 10:45 | X | X | | |
| 44-J-2-MW-W-201307 | 44-J-2 | Water | 07/13/2020 | 11:00 | X | X | | |
| 44-I-1-MW-W-201307 | 44-I-1 | Water | 07/13/2020 | 11:15 | X | X | | |

Table 1

Sample Collection and Analysis Summary
Groundwater Monitoring Well Sampling
Chevron Environmental Management Company (CEMC) - Dollarhide
Andrews County, Texas
July 2020

| Sample Identification | Location | Matrix | Collection | Collection | <u>Analysis/Parameters</u> | | | Comments |
|------------------------------|-----------------|---------------|-----------------------------|-------------------------|-----------------------------------|------------|--|-----------------|
| | | | Date (mm/dd/yyyy) | Time (hr:min) | Chloride | TDS | | |
| 45-FF-MW-W-201307 | 45-FF | Water | 07/13/2020 | 11:30 | X | X | | |
| 45-E-2-MW-W-201307 | 45-E-2 | Water | 07/13/2020 | 11:45 | X | X | | |
| 45-E-1-MW-W-201307 | 45-E-1 | Water | 07/13/2020 | 12:00 | X | X | | |
| 45-F-1-MW-W-201307 | 45-F-1 | Water | 07/13/2020 | 12:15 | X | X | | |
| MW-20-W-201307 | MW-20 | Water | 07/13/2020 | 12:30 | X | X | | DUP |
| NM-MW-10-W-201307 | NM-MW-10 | Water | 07/13/2020 | 12:45 | X | X | | |
| NM-MW-9-W-201307 | NM-MW-9 | Water | 07/13/2020 | 13:00 | X | X | | |
| NM-MW-14-W-201307 | NM-MW-14 | Water | 07/13/2020 | 13:15 | X | X | | |
| 45-E3-MW-W-201307 | 45-E-3 | Water | 07/13/2020 | 13:30 | X | X | | |
| 43-K-1-MW-W-201307 | 43-K-1 | Water | 07/13/2020 | 13:45 | X | X | | |
| NM-MW-7-W-201407 | NM-MW-7 | Water | 07/14/2020 | 10:00 | X | X | | |
| RRR Ranch Windmill-W-201407 | Ranch Windmill | Water | 07/14/2020 | 10:10 | X | X | | |
| NM-MW-4-W-201407 | NM-MW-4 | Water | 07/14/2020 | 10:20 | X | X | | |
| NM-MW-8-W-201407 | NM-MW-8 | Water | 07/14/2020 | 10:30 | X | X | | |
| NM-MW-3-W-201407 | NM-MW-3 | Water | 07/14/2020 | 10:40 | X | X | | DUP |
| NM-MW-2-W-201407 | NM-MW-2 | Water | 07/14/2020 | 10:50 | X | X | | |

Table 1

Sample Collection and Analysis Summary
Groundwater Monitoring Well Sampling
Chevron Environmental Management Company (CEMC) - Dollarhide
Andrews County, Texas
July 2020

| Sample Identification | Location | Matrix | Collection | Collection | <u>Analysis/Parameters</u> | | | Comments |
|------------------------------|-----------------|---------------|-----------------------------|-------------------------|-----------------------------------|------------|--------------------------|-----------------|
| | | | Date (mm/dd/yyyy) | Time (hr:min) | Chloride | TDS | | |
| NM-MW-1-W-201407 | NM-MW-1 | Water | 07/14/2020 | 11:00 | X | X | | |
| NM-MW-5-W-201407 | NM-MW-5 | Water | 07/14/2020 | 11:10 | X | X | | |
| NM-MW-6-W-201407 | NM-MW-6 | Water | 07/14/2020 | 11:20 | X | X | | |
| 58-B-3-MW-W-201407 | 58-B-3 | Water | 07/14/2020 | 11:30 | X | X | | |
| MW-34-W-201407 | MW-34 | Water | 07/14/2020 | 11:40 | X | X | | |
| MW-33-W-201407 | MW-33 | Water | 07/14/2020 | 11:50 | X | X | | |
| MW-32-W-201407 | MW-32 | Water | 07/14/2020 | 12:00 | X | X | MS/MSD | |
| MW-32-WD-201407 | MW-32 | Water | 07/14/2020 | 12:00 | X | X | Field duplicate of MW-32 | |
| MW-29-W-201407 | MW-29 | Water | 07/14/2020 | 12:30 | X | X | | |
| MW-28-W-201407 | MW-28 | Water | 07/14/2020 | 12:40 | X | X | | |
| MW-8-W-201407 | MW-8 | Water | 07/14/2020 | 12:50 | X | X | | |
| MW-9-W-201407 | MW-9 | Water | 07/14/2020 | 13:00 | X | X | | |
| 58-B-1-MW-W-201407 | 58-B-1 | Water | 07/14/2020 | 13:20 | X | X | DUP | |
| 58-B-2-MW-W-201407 | 58-B-2 | Water | 07/14/2020 | 13:30 | X | X | | |
| DHU-FWS-W-201407 | DHU-FWS | Water | 07/14/2020 | 13:40 | X | X | | |
| MW-27-W-201507 | MW-27 | Water | 07/15/2020 | 09:10 | X | X | | |

Table 1

Sample Collection and Analysis Summary
Groundwater Monitoring Well Sampling
Chevron Environmental Management Company (CEMC) - Dollarhide
Andrews County, Texas
July 2020

| Sample Identification | Location | Matrix | Collection | Collection | <u>Analysis/Parameters</u> | | | Comments |
|------------------------------|-----------------|---------------|-----------------------------|-------------------------|-----------------------------------|------------|--------------------------|-----------------|
| | | | Date (mm/dd/yyyy) | Time (hr:min) | Chloride | TDS | | |
| MW-10-W-201507 | MW-10 | Water | 07/15/2020 | 09:20 | X | X | | |
| MW-26-W-201507 | MW-26 | Water | 07/15/2020 | 09:30 | X | X | | |
| MW-24-W-201507 | MW-24 | Water | 07/15/2020 | 09:40 | X | X | DUP | |
| MW-19-W-201507 | MW-19 | Water | 07/15/2020 | 09:50 | X | X | | |
| MW-18-W-201507 | MW-18 | Water | 07/15/2020 | 10:00 | X | X | | |
| MW-25-W-201507 | MW-25 | Water | 07/15/2020 | 10:15 | X | X | | |
| MW-25-WD-201507 | MW-25 | Water | 07/15/2020 | 10:15 | X | X | Field duplicate of MW-25 | |
| MW-12-W-201507 | MW-12 | Water | 07/15/2020 | 10:30 | X | X | | |
| MW-31-W-201507 | MW-31 | Water | 07/15/2020 | 10:45 | X | X | | |
| MW-11-W-201507 | MW-11 | Water | 07/15/2020 | 11:00 | X | X | | |
| MW-6-W-201507 | MW-6 | Water | 07/15/2020 | 11:15 | X | X | | |
| MW-5-W-201507 | MW-5 | Water | 07/15/2020 | 11:30 | X | X | | |
| MW-4-W-201507 | MW-4 | Water | 07/15/2020 | 11:45 | X | X | DUP | |
| MW-3-W-201507 | MW-3 | Water | 07/15/2020 | 12:00 | X | X | | |
| MW-14-W-201507 | MW-14 | Water | 07/15/2020 | 12:15 | X | X | | |
| MW-13-W-201507 | MW-13 | Water | 07/15/2020 | 12:30 | X | X | | |

Table 1

Sample Collection and Analysis Summary
Groundwater Monitoring Well Sampling
Chevron Environmental Management Company (CEMC) - Dollarhide
Andrews County, Texas
July 2020

| Sample Identification | Location | Matrix | Collection | Collection | <u>Analysis/Parameters</u> | | | Comments |
|------------------------------|-----------------|---------------|-----------------------------|-------------------------|-----------------------------------|------------|-------------------------------|-----------------|
| | | | Date (mm/dd/yyyy) | Time (hr:min) | Chloride | TDS | | |
| MW-15-W-201507 | MW-15 | Water | 07/15/2020 | 12:45 | X | X | | |
| MW-16-W-201507 | MW-16 | Water | 07/15/2020 | 13:00 | X | X | | |
| MW-21-W-201507 | MW-21 | Water | 07/15/2020 | 13:15 | X | X | | |
| MW-17-W-201507 | MW-17 | Water | 07/15/2020 | 13:30 | X | X | | |
| MW-23-W-201507 | MW-23 | Water | 07/15/2020 | 13:45 | X | X | | |
| MW-22-W-201507 | MW-22 | Water | 07/15/2020 | 14:00 | X | X | | |
| MW-22-WD-201507 | MW-22 | Water | 07/15/2020 | 14:00 | X | X | Field duplicate of MW-22; DUP | |
| MW-30-W-201507 | MW-30 | Water | 07/15/2020 | 14:15 | X | X | | |
| Livermore-W-201507 | Livermore | Water | 07/15/2020 | 14:30 | X | X | | |

Notes:

- TDS - Total Dissolved Solids
- MS/MSD - Matrix Spike/Matrix Spike Duplicate
- DUP - Laboratory Duplicate

Table 2

Analytical Results Summary
Groundwater Monitoring Well Sampling
Chevron Environmental Management Company (CEMC) - Dollarhide
Andrews County, Texas
July 2020

| | | | | | | |
|--------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|
| Location ID: | 43-K-1 | 44-I-1 | 44-J-1 | 44-J-2 | 44-J-3 | 44-J-4 |
| Sample Name: | 43-K-1-MW-W-201307 | 44-I-1-MW-W-201307 | 44-J-1-MW-W-201307 | 44-J-2-MW-W-201307 | 44-J-3-MW-W-201307 | 44-J-4-MW-W-201307 |
| Sample Date: | 07/13/2020 | 07/13/2020 | 07/13/2020 | 07/13/2020 | 07/13/2020 | 07/13/2020 |

| Parameters | Unit | |
|------------|------|--|
|------------|------|--|

General Chemistry

| | | | | | | | |
|----------|------|-------|------|------|------|------|------|
| Chloride | mg/L | 7440 | 3660 | 4770 | 5120 | 4920 | 4450 |
| TDS | mg/L | 10700 | 5840 | 7880 | 8210 | 8080 | 8020 |

Table 2

Analytical Results Summary
Groundwater Monitoring Well Sampling
Chevron Environmental Management Company (CEMC) - Dollarhide
Andrews County, Texas
July 2020

| Location ID: | 44-J-5 | 45-E-1 | 45-E-2 | 45-E-3 | 45-F-1 | 45-FF |
|--------------|--------------------|--------------------|--------------------|-------------------|--------------------|-------------------|
| Sample Name: | 44-J-5-MW-W-201307 | 45-E-1-MW-W-201307 | 45-E-2-MW-W-201307 | 45-E3-MW-W-201307 | 45-F-1-MW-W-201307 | 45-FF-MW-W-201307 |
| Sample Date: | 07/13/2020 | 07/13/2020 | 07/13/2020 | 07/13/2020 | 07/13/2020 | 07/13/2020 |

| Parameters | Unit | | | | | | |
|--------------------------|------|------|------|------|------|------|------|
| General Chemistry | | | | | | | |
| Chloride | mg/L | 4190 | 3100 | 1750 | 5690 | 1130 | 4120 |
| TDS | mg/L | 6690 | 5540 | 3150 | 8480 | 1960 | 6850 |

Table 2

**Analytical Results Summary
Groundwater Monitoring Well Sampling
Chevron Environmental Management Company (CEMC) - Dollarhide
Andrews County, Texas
July 2020**

| Location ID: | 58-B-1 | 58-B-2 | 58-B-3 | DHU-FWS | Livermore | MW-3 |
|--------------|--------------------|--------------------|--------------------|------------------|--------------------|---------------|
| Sample Name: | 58-B-1-MW-W-201407 | 58-B-2-MW-W-201407 | 58-B-3-MW-W-201407 | DHU-FWS-W-201407 | Livermore-W-201507 | MW-3-W-201507 |
| Sample Date: | 07/14/2020 | 07/14/2020 | 07/14/2020 | 07/14/2020 | 07/15/2020 | 07/15/2020 |

| Parameters | Unit |
|--------------------------|------|
| General Chemistry | |
| Chloride | mg/L |
| TDS | mg/L |

| | | | | | | | |
|----------|------|-------|------|------|------|------|------|
| Chloride | mg/L | 7160 | 4040 | 1640 | 628 | 2440 | 648 |
| TDS | mg/L | 11400 | 7190 | 3160 | 3120 | 5200 | 1550 |

Table 2

**Analytical Results Summary
Groundwater Monitoring Well Sampling
Chevron Environmental Management Company (CEMC) - Dollarhide
Andrews County, Texas
July 2020**

| | | | | | | |
|---------------------|----------------------|----------------------|----------------------|----------------------|----------------------|-----------------------|
| Location ID: | MW-4 | MW-5 | MW-6 | MW-8 | MW-9 | MW-10 |
| Sample Name: | MW-4-W-201507 | MW-5-W-201507 | MW-6-W-201507 | MW-8-W-201407 | MW-9-W-201407 | MW-10-W-201507 |
| Sample Date: | 07/15/2020 | 07/15/2020 | 07/15/2020 | 07/14/2020 | 07/14/2020 | 07/15/2020 |

| Parameters | Unit |
|-------------------|-------------|
|-------------------|-------------|

General Chemistry

| | | | | | | | |
|----------|------|------|------|------|------|------|------|
| Chloride | mg/L | 352 | 267 | 417 | 1010 | 2700 | 5130 |
| TDS | mg/L | 1050 | 1090 | 1590 | 2460 | 5070 | 9450 |

Table 2

Analytical Results Summary
Groundwater Monitoring Well Sampling
Chevron Environmental Management Company (CEMC) - Dollarhide
Andrews County, Texas
July 2020

| | | | | | | |
|--------------|----------------|----------------|----------------|----------------|----------------|----------------|
| Location ID: | MW-11 | MW-12 | MW-13 | MW-14 | MW-15 | MW-16 |
| Sample Name: | MW-11-W-201507 | MW-12-W-201507 | MW-13-W-201507 | MW-14-W-201507 | MW-15-W-201507 | MW-16-W-201507 |
| Sample Date: | 07/15/2020 | 07/15/2020 | 07/15/2020 | 07/15/2020 | 07/15/2020 | 07/15/2020 |

| Parameters | Unit | |
|------------|------|--|
|------------|------|--|

General Chemistry

| | | | | | | | |
|----------|------|-------|-------|------|------|------|------|
| Chloride | mg/L | 6240 | 12700 | 1750 | 1760 | 1110 | 505 |
| TDS | mg/L | 12000 | 22700 | 4350 | 3640 | 2330 | 1390 |

Table 2

**Analytical Results Summary
Groundwater Monitoring Well Sampling
Chevron Environmental Management Company (CEMC) - Dollarhide
Andrews County, Texas
July 2020**

| Location ID: | MW-17 | MW-18 | MW-19 | MW-20 | MW-21 | MW-22 |
|---------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|
| Sample Name: | MW-17-W-201507 | MW-18-W-201507 | MW-19-W-201507 | MW-20-W-201307 | MW-21-W-201507 | MW-22-W-201507 |
| Sample Date: | 07/15/2020 | 07/15/2020 | 07/15/2020 | 07/13/2020 | 07/15/2020 | 07/15/2020 |

| Parameters | Unit | MW-17 | MW-18 | MW-19 | MW-20 | MW-21 | MW-22 |
|--------------------------|-------------|--------------|--------------|--------------|--------------|--------------|--------------|
| General Chemistry | | | | | | | |
| Chloride | mg/L | 7450 | 21400 | 7880 | 1320 | 5850 | 10100 |
| TDS | mg/L | 15000 | 36000 | 13700 | 2450 | 10700 | 21900 |

Table 2

Analytical Results Summary
Groundwater Monitoring Well Sampling
Chevron Environmental Management Company (CEMC) - Dollarhide
Andrews County, Texas
July 2020

| Location ID: | MW-22 | MW-23 | MW-24 | MW-25 | MW-25 | MW-26 |
|--------------------------|-------------------------|----------------|----------------|----------------|-------------------------|----------------|
| Sample Name: | MW-22-WD-201507 | MW-23-W-201507 | MW-24-W-201507 | MW-25-W-201507 | MW-25-WD-201507 | MW-26-W-201507 |
| Sample Date: | 07/15/2020 Duplicate | 07/15/2020 | 07/15/2020 | 07/15/2020 | 07/15/2020 Duplicate | 07/15/2020 |
| Parameters | Unit | | | | | |
| General Chemistry | | | | | | |
| Chloride | mg/L | 9130 | 6060 | 4430 | 26100 | 24000 |
| TDS | mg/L | 21900 | 12600 | 9130 | 37300 | 36600 |
| | | | | | | 1480 |
| | | | | | | 3520 |

Table 2

**Analytical Results Summary
Groundwater Monitoring Well Sampling
Chevron Environmental Management Company (CEMC) - Dollarhide
Andrews County, Texas
July 2020**

| Location ID: | MW-27 | MW-28 | MW-29 | MW-30 | MW-31 | MW-32 |
|--------------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|
| Sample Name: | MW-27-W-201507 | MW-28-W-201407 | MW-29-W-201407 | MW-30-W-201507 | MW-31-W-201507 | MW-32-W-201407 |
| Sample Date: | 07/15/2020 | 07/14/2020 | 07/14/2020 | 07/15/2020 | 07/15/2020 | 07/14/2020 |
| Parameters | | | | | | |
| Unit | | | | | | |
| General Chemistry | | | | | | |
| Chloride | mg/L | 2950 | 3370 | 563 | 2290 | 8890 |
| TDS | mg/L | 5120 | 6510 | 1460 | 4530 | 17800 |
| | | | | | | 321 |
| | | | | | | 1140 |

Table 2

**Analytical Results Summary
Groundwater Monitoring Well Sampling
Chevron Environmental Management Company (CEMC) - Dollarhide
Andrews County, Texas
July 2020**

| Location ID: | MW-32 | MW-33 | MW-34 | NM-MW-1 | NM-MW-2 | NM-MW-3 |
|--------------------------|-----------------|----------------|----------------|------------------|------------------|------------------|
| Sample Name: | MW-32-WD-201407 | MW-33-W-201407 | MW-34-W-201407 | NM-MW-1-W-201407 | NM-MW-2-W-201407 | NM-MW-3-W-201407 |
| Sample Date: | 07/14/2020 | 07/14/2020 | 07/14/2020 | 07/14/2020 | 07/14/2020 | 07/14/2020 |
| Duplicate | | | | | | |
| Parameters | Unit | | | | | |
| General Chemistry | | | | | | |
| Chloride | mg/L | 302 | 196 | 71.3 | 293 | 696 |
| TDS | mg/L | 1020 | 1060 | 613 | 1450 | 1530 |
| | | | | | | 261 |
| | | | | | | 811 |

Table 2

Analytical Results Summary
Groundwater Monitoring Well Sampling
Chevron Environmental Management Company (CEMC) - Dollarhide
Andrews County, Texas
July 2020

| | | | | | | |
|---------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|
| Location ID: | NM-MW-4 | NM-MW-5 | NM-MW-6 | NM-MW-7 | NM-MW-8 | NM-MW-9 |
| Sample Name: | NM-MW-4-W-201407 | NM-MW-5-W-201407 | NM-MW-6-W-201407 | NM-MW-7-W-201407 | NM-MW-8-W-201407 | NM-MW-9-W-201307 |
| Sample Date: | 07/14/2020 | 07/14/2020 | 07/14/2020 | 07/14/2020 | 07/14/2020 | 07/13/2020 |

| | |
|-------------------|-------------|
| Parameters | Unit |
|-------------------|-------------|

General Chemistry

| | | | | | | | |
|----------|------|------|------|-----|------|-------|-----|
| Chloride | mg/L | 46.9 | 162 | 152 | 2360 | 6540 | 271 |
| TDS | mg/L | 419 | 1250 | 828 | 5250 | 12400 | 852 |

Table 2

**Analytical Results Summary
Groundwater Monitoring Well Sampling
Chevron Environmental Management Company (CEMC) - Dollarhide
Andrews County, Texas
July 2020**

| Location ID: | NM-MW-10 | NM-MW-11 | NM-MW-11 | NM-MW-12 | NM-MW-13 | NM-MW-14 |
|--------------|-------------------|-------------------|--------------------|-------------------|-------------------|-------------------|
| Sample Name: | NM-MW-10-W-201307 | NM-MW-11-W-201007 | NM-MW-11-WD-201007 | NM-MW-12-W-201007 | NM-MW-13-W-201007 | NM-MW-14-W-201307 |
| Sample Date: | 07/13/2020 | 07/10/2020 | 07/10/2020 | 07/10/2020 | 07/10/2020 | 07/13/2020 |
| | | | Duplicate | | | |

| Parameters | Unit |
|------------|------|
|------------|------|

General Chemistry

| | | | | | | | |
|----------|------|------|------|------|------|------|------|
| Chloride | mg/L | 366 | 178 | 188 | 589 | 212 | 25.0 |
| TDS | mg/L | 1650 | 2120 | 1920 | 1270 | 1130 | 488 |

Table 2

Analytical Results Summary
Groundwater Monitoring Well Sampling
Chevron Environmental Management Company (CEMC) - Dollarhide
Andrews County, Texas
July 2020

| | | | |
|--------------|-------------------|-------------------|-------------------|
| Location ID: | NM-MW-15 | NM-MW-17 | NM-MW-20 |
| Sample Name: | NM-MW-15-W-201007 | NM-MW-17-W-201007 | NM-MW-20-W-201007 |
| Sample Date: | 07/10/2020 | 07/10/2020 | 07/10/2020 |
| | | | NM-MW-21 |
| | | | NM-MW-21-W-201007 |
| | | | 07/10/2020 |

| Parameters | Unit |
|------------|------|
|------------|------|

General Chemistry

| | | | | | |
|----------|------|------|-----|------|------|
| Chloride | mg/L | 57.3 | 211 | 22.2 | 28.8 |
| TDS | mg/L | 509 | 978 | 377 | 524 |

Table 2

**Analytical Results Summary
Groundwater Monitoring Well Sampling
Chevron Environmental Management Company (CEMC) - Dollarhide
Andrews County, Texas
July 2020**

| | | | |
|---------------------|-----------------------------|------------------------|----------------------------|
| Location ID: | Ranch Windmill | SMITH RESIDENCE | WILSON RANCH WW |
| Sample Name: | RRR Ranch Windmill-W-201407 | Smith Residence | Wilson Ranch Well-W-201007 |
| Sample Date: | 07/14/2020 | 07/10/2020 | 07/10/2020 |

| Parameters | Unit |
|------------|------|
|------------|------|

General Chemistry

| | | | | |
|----------|------|------|------|------|
| Chloride | mg/L | 1930 | 1310 | 1030 |
| TDS | mg/L | 4490 | 2570 | 1990 |

Notes:

TDS - Total Dissolved Solids

Table 3

Analytical Methods
Groundwater Monitoring Well Sampling
Chevron Environmental Management Company (CEMC) - Dollarhide
Andrews County, Texas
July 2020

| Parameter | Method | Matrix | Holding Time |
|------------------|---------------|---------------|--------------------------------------|
| | | | Collection to Analysis (Days) |
| Chloride | EPA 300/300.1 | Water | 28 |
| TDS | SM 2540C | Water | 7 |

Notes:

TDS - Total Dissolved Solids

Method References:

EPA - "Test Methods for Evaluating Solid Waste, Physical/Chemical Methods", SW-846, Third Edition, 1986, with subsequent revisions

SM - "Standard Methods for the Examination of Water and Wastewater", 18th Edition, 1992, with subsequent revisions



Memorandum

November 6, 2020

| | | | |
|----------|---|-----------|--------------|
| To: | Nick Casten, Liz Whiddon | Ref. No.: | 055270 |
| From: | Chris G. Knight/eew/32-NF | Tel: | 512-506-8803 |
| Subject: | Analytical Results and Reduced Validation Groundwater Monitoring Well Sampling Chevron Environmental Management Company (CEMC) - Dollarhide Andrews County, Texas October 2020 | | |

1. Introduction

The following document details a reduced validation of analytical results for groundwater samples collected at the Chevron Environmental Management Company (CEMC) – Dollarhide site during October 2020. Samples were submitted to Xenco Laboratories, located in Midland, Texas. A sample collection and analysis summary is presented in Table 1. The validated analytical results are summarized in Table 2. A summary of the analytical methodology is presented in Table 3.

Standard GHD report deliverables were submitted by the laboratory. The final results and supporting quality assurance/quality control (QA/QC) data were assessed. Evaluation of the data was based on information obtained from the chain of custody form, finished report forms, method blank data, duplicate data, recovery data from laboratory control sample/laboratory control duplicate samples (LCS/LCSD), matrix spikes/matrix spike duplicates (MS/MSD), laboratory duplicates, and field QA/QC samples.

The QA/QC criteria by which these data have been assessed are outlined in the analytical methods referenced in Table 3 and applicable guidance from the document entitled:

- i) "USEPA Contract Laboratory Program National Functional Guidelines for Inorganic Superfund Data Review", EPA 540-R-2016-001, September 2016.

Item i) will subsequently be referred to as the "Guidelines" in this Memorandum.

2. Sample Holding Time and Preservation

The sample holding time criteria for the analyses are summarized in Table 3. The sample chain of custody document and the analytical reports were used to determine sample holding times. All samples were analyzed within the required holding times.

All samples were delivered on ice and stored by the laboratory at the required temperature (0-6°C).

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3. Laboratory Method Blank Analyses

Method blanks are prepared from a purified matrix and analyzed with investigative samples to determine the existence and magnitude of sample contamination introduced during the analytical procedures.

For this study, laboratory method blanks were analyzed at a minimum frequency of one per twenty investigative samples and/or one per analytical batch.

All method blank results were non-detect, indicating that laboratory contamination was not a factor for this investigation.

4. Laboratory Control Sample Analyses

LCS/LCSD are prepared and analyzed as samples to assess the analytical efficiencies of the methods employed, independent of sample matrix effects. The relative percent difference (RPD) of the LCS/LCSD recoveries is used to evaluate analytical precision.

For this study, LCS/LCSD were analyzed at a minimum frequency of one per twenty investigative samples and/or one per analytical batch.

The LCS/LCSD contained chloride. LCS recoveries were assessed per the "Guidelines". All LCS recoveries and RPDs were within the control limits, demonstrating acceptable analytical accuracy and precision.

5. Matrix Spike Analyses

To evaluate the effects of sample matrices on the preparation process, measurement procedures, and accuracy of a particular analysis, samples are spiked with a known concentration of the analyte of concern and analyzed as MS/MSD samples. The RPD between the MS and MSD is used to assess analytical precision.

MS/MSD analyses were performed for chloride analyses as specified in Table 1. The MS/MSD samples were spiked with chloride and the results were evaluated using the "Guidelines". All percent recoveries and RPD values were within the control limits, demonstrating acceptable analytical accuracy and precision with the following exception:

- i) One MS/MSD was reported with an elevated MS recovery. If only the MS or MSD recovery was outside of control limits, no qualification of the data was performed based on the acceptable recovery of the companion spike and the acceptable RPD. No further action was required.
- ii) One MS/MSD was reported with elevated recoveries due to possible matrix interferences and was not assessed. No further action was required.

The laboratory also performed additional MS/MSD analyses on non-site samples. These cannot be used to assess accuracy and precision for the site samples.



6. Duplicate Sample Analyses

Analytical precision is evaluated based on the analysis of laboratory duplicate samples. For this study, duplicate samples were prepared and analyzed by the laboratory as specified in Table 1 for total dissolved solids (TDS). The duplicate results were evaluated per the "Guidelines".

All duplicate analyses performed were acceptable, demonstrating acceptable analytical precision.

The laboratory also performed additional duplicate analyses on non-site samples. These cannot be used to assess precision for the site samples.

7. Field QA/QC Samples

The field QA/QC consisted four field duplicate sample sets.

To assess the analytical and sampling protocol precision, four field duplicate sample sets were collected and submitted to the laboratory, as specified in Table 1. The RPDs associated with these duplicate samples must be less than fifty percent for water. If the reported concentration in either the investigative sample or its duplicate is less than five times the reporting limit (RL), the evaluation criterion is one times the RL value.

All field duplicate results were within acceptable agreement, demonstrating acceptable sampling and analytical precision.

8. Analyte Reporting

The laboratory reported detected results down to the laboratory's RL for each analyte.

9. Conclusion

Based on the assessment detailed in the foregoing, the data summarized in Table 2 are acceptable without qualification.

Table 1

Sample Collection and Analysis Summary
Groundwater Monitoring Well Sampling
Chevron Environmental Management Company (CEMC) - Dollarhide
Andrews County, Texas
October 2020

| Sample Identification | Location | Matrix | Collection | Collection | <u>Analysis/Parameters</u> | | | Comments |
|------------------------------|-----------------|---------------|-----------------------------|-------------------------|-----------------------------------|------------|--|-----------------|
| | | | Date (mm/dd/yyyy) | Time (hr:min) | Chloride | TDS | | |
| NM-MW-6-W-200710 | NM-MW-6 | Water | 10/07/2020 | 12:00 | X | X | | DUP |
| NM-MW-5-W-200710 | NM-MW-5 | Water | 10/07/2020 | 12:30 | X | X | | |
| NM-MW-1-W-200710 | NM-MW-1 | Water | 10/07/2020 | 13:00 | X | X | | |
| NM-MW-2-W-200710 | NM-MW-2 | Water | 10/07/2020 | 13:30 | X | X | | |
| NM-MW-3-W-200710 | NM-MW-3 | Water | 10/07/2020 | 14:00 | X | X | | |
| NM-MW-7-W-200710 | NM-MW-7 | Water | 10/07/2020 | 14:30 | X | X | | |
| RRR Ranch Windmill-W-200820 | Ranch Windmill | Water | 10/07/2020 | 15:00 | X | X | | |
| NM-MW-4-W-200820 | NM-MW-4 | Water | 10/07/2020 | 15:30 | X | X | | |
| NM-MW-8-W-200820 | NM-MW-8 | Water | 10/07/2020 | 16:00 | X | X | | |
| NM-MW-9-W-200820 | NM-MW-9 | Water | 10/08/2020 | 10:15 | X | X | | |
| NM-MW-14-W-200820 | NM-MW-14 | Water | 10/08/2020 | 10:45 | X | X | | DUP |
| NM-MW-15-200810 | NM-MW-15 | Water | 10/08/2020 | 11:15 | X | X | | MS/MSD |
| NM-MW-11-200810 | NM-MW-11 | Water | 10/08/2020 | 11:45 | X | X | | DUP |
| NM-MW-13-200810 | NM-MW-13 | Water | 10/08/2020 | 12:15 | X | X | | |
| NM-MW-17-200810 | NM-MW-17 | Water | 10/08/2020 | 12:45 | X | X | | |
| Wilson Ranch Well-W-200820 | WILSON RANCH WW | Water | 10/08/2020 | 13:15 | X | X | | |

Table 1

Sample Collection and Analysis Summary
Groundwater Monitoring Well Sampling
Chevron Environmental Management Company (CEMC) - Dollarhide
Andrews County, Texas
October 2020

| Sample Identification | Location | Matrix | Collection | Collection | <u>Analysis/Parameters</u> | | | Comments |
|------------------------------|-----------------|---------------|-----------------------------|-------------------------|-----------------------------------|------------|--|-----------------------------|
| | | | Date (mm/dd/yyyy) | Time (hr:min) | Chloride | TDS | | |
| NM-MW-12-200810 | NM-MW-12 | Water | 10/08/2020 | 13:45 | X | X | | |
| Smith Residence-W-200820 | SMITH RESIDENCE | Water | 10/08/2020 | 14:15 | X | X | | |
| NM-MW-10-W-200820 | NM-MW-10 | Water | 10/08/2020 | 14:45 | X | X | | |
| MW-32-200810 | MW-32 | Water | 10/08/2020 | 15:15 | X | X | | |
| MW-32-WD-200810 | MW-32 | Water | 10/08/2020 | 15:15 | X | X | | Field duplicate of MW-32 |
| MW-33-200810 | MW-33 | Water | 10/08/2020 | 15:45 | X | X | | MS/MSD |
| MW-34-200810 | MW-34 | Water | 10/08/2020 | 16:15 | X | X | | |
| NM-MW-20-200810 | NM-MW-20 | Water | 10/08/2020 | 16:45 | X | X | | |
| NM-MW-21-200810 | NM-MW-21 | Water | 10/08/2020 | 17:15 | X | X | | |
| NM-MW-21-WD-200810 | NM-MW-21 | Water | 10/08/2020 | 17:15 | X | X | | Field duplicate of NM-MW-21 |
| MW-28-W-200810 | MW-28 | Water | 10/08/2020 | 17:45 | X | X | | |
| MW-29-W-200810 | MW-29 | Water | 10/08/2020 | 18:15 | X | X | | |
| MW-15-W-201210 | MW-15 | Water | 10/12/2020 | 10:15 | X | X | | DUP |
| MW-16-W-201210 | MW-16 | Water | 10/12/2020 | 10:30 | X | X | | MS/MSD |
| MW-14-W-201210 | MW-14 | Water | 10/12/2020 | 10:45 | X | X | | |
| MW-4-W-201210 | MW-4 | Water | 10/12/2020 | 11:00 | X | X | | |

Table 1

Sample Collection and Analysis Summary
Groundwater Monitoring Well Sampling
Chevron Environmental Management Company (CEMC) - Dollarhide
Andrews County, Texas
October 2020

| Sample Identification | Location | Matrix | Collection | Collection | <u>Analysis/Parameters</u> | | | Comments |
|------------------------------|-----------------|---------------|-----------------------------|-------------------------|-----------------------------------|------------|--------------------------|-----------------|
| | | | Date (mm/dd/yyyy) | Time (hr:min) | Chloride | TDS | | |
| MW-3-W-201210 | MW-3 | Water | 10/12/2020 | 11:15 | X | X | | |
| MW-13-W-201210 | MW-13 | Water | 10/12/2020 | 11:30 | X | X | | |
| MW-21-W-201210 | MW-21 | Water | 10/12/2020 | 11:45 | X | X | | |
| MW-17-W-201210 | MW-17 | Water | 10/12/2020 | 12:15 | X | X | | |
| MW-17-WD-201210 | MW-17 | Water | 10/12/2020 | 12:15 | X | X | Field duplicate of MW-17 | |
| MW-22-W-201210 | MW-22 | Water | 10/12/2020 | 12:30 | X | X | | |
| MW-23-W-201210 | MW-23 | Water | 10/12/2020 | 12:45 | X | X | DUP | |
| MW-30-W-201210 | MW-30 | Water | 10/12/2020 | 13:00 | X | X | | |
| Livermore-W-201210 | Livermore | Water | 10/12/2020 | 13:15 | X | X | | |
| MW-5-W-201210 | MW-5 | Water | 10/12/2020 | 13:30 | X | X | MS/MSD | |
| MW-8-W-201210 | MW-8 | Water | 10/12/2020 | 13:45 | X | X | | |
| MW-9-W-201210 | MW-9 | Water | 10/12/2020 | 14:00 | X | X | | |
| DHU-FWS-W-201210 | DHU-FWS | Water | 10/12/2020 | 14:15 | X | X | | |
| MW-27-W-201210 | MW-27 | Water | 10/12/2020 | 14:30 | X | X | | |
| MW-20-W-201210 | MW-20 | Water | 10/12/2020 | 14:45 | X | X | | |
| MW-10-W-201210 | MW-10 | Water | 10/12/2020 | 15:15 | X | X | | |

Table 1

Sample Collection and Analysis Summary
Groundwater Monitoring Well Sampling
Chevron Environmental Management Company (CEMC) - Dollarhide
Andrews County, Texas
October 2020

| Sample Identification | Location | Matrix | Collection | Collection | <u>Analysis/Parameters</u> | | | Comments |
|------------------------------|-----------------|---------------|-----------------------------|-------------------------|-----------------------------------|------------|--|-------------------------------|
| | | | Date (mm/dd/yyyy) | Time (hr:min) | Chloride | TDS | | |
| MW-10-WD-201210 | MW-10 | Water | 10/12/2020 | 15:15 | X | X | | Field duplicate of MW-10; DUP |
| MW-26-W-201210 | MW-26 | Water | 10/12/2020 | 15:30 | X | X | | |
| MW-24-W-201210 | MW-24 | Water | 10/12/2020 | 15:45 | X | X | | |
| MW-19-W-201210 | MW-19 | Water | 10/12/2020 | 16:00 | X | X | | |
| MW-18-W-201210 | MW-18 | Water | 10/12/2020 | 16:15 | X | X | | |
| MW-25-W-201210 | MW-25 | Water | 10/12/2020 | 16:30 | X | X | | |
| MW-12-W-201210 | MW-12 | Water | 10/12/2020 | 16:45 | X | X | | |
| MW-31-W-201210 | MW-31 | Water | 10/12/2020 | 17:00 | X | X | | |
| MW-11-W-201210 | MW-11 | Water | 10/12/2020 | 17:15 | X | X | | |
| MW-6-W-201210 | MW-6 | Water | 10/12/2020 | 17:30 | X | X | | MS/MSD |

Notes:

- TDS - Total Dissolved Solids
- MS/MSD - Matrix Spike/Matrix Spike Duplicate
- DUP - Laboratory Duplicate

Table 2

**Analytical Results Summary
Groundwater Monitoring Well Sampling
Chevron Environmental Management Company (CEMC) - Dollarhide
Andrews County, Texas
October 2020**

| Location ID: | DHU-FWS | Livermore | MW-3 | MW-4 | MW-5 | MW-6 | MW-8 | MW-9 | MW-10 |
|--------------|------------------|--------------------|---------------|---------------|---------------|---------------|---------------|---------------|----------------|
| Sample Name: | DHU-FWS-W-201210 | Livermore-W-201210 | MW-3-W-201210 | MW-4-W-201210 | MW-5-W-201210 | MW-6-W-201210 | MW-8-W-201210 | MW-9-W-201210 | MW-10-W-201210 |
| Sample Date: | 10/12/2020 | 10/12/2020 | 10/12/2020 | 10/12/2020 | 10/12/2020 | 10/12/2020 | 10/12/2020 | 10/12/2020 | 10/12/2020 |

Parameters Unit**General Chemistry**

| | | | | | | | | | | |
|----------|------|------|------|------|-----|-----|------|------|------|------|
| Chloride | mg/L | 650 | 2450 | 671 | 343 | 267 | 423 | 1040 | 2710 | 5270 |
| TDS | mg/L | 3240 | 4430 | 1380 | 903 | 974 | 1440 | 2480 | 4270 | 8250 |

Table 2

**Analytical Results Summary
 Groundwater Monitoring Well Sampling
 Chevron Environmental Management Company (CEMC) - Dollarhide
 Andrews County, Texas
 October 2020**

| Location ID: | MW-10 | MW-11 | MW-12 | MW-13 | MW-14 | MW-15 | MW-16 | MW-17 | MW-17 |
|---------------------|-----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|---------------------|
| Sample Name: | MW-10-WD-201210 | MW-11-W-201210 | MW-12-W-201210 | MW-13-W-201210 | MW-14-W-201210 | MW-15-W-201210 | MW-16-W-201210 | MW-17-W-201210 | MW-17- WD-201210 |
| Sample Date: | 10/12/2020 | 10/12/2020 | 10/12/2020 | 10/12/2020 | 10/12/2020 | 10/12/2020 | 10/12/2020 | 10/12/2020 | 10/12/2020 |
| | Duplicate | | | | | | | | Duplicate |

| Parameters | Unit |
|------------|------|
|------------|------|

General Chemistry

| | | | | | | | | | | |
|----------|------|------|-------|-------|------|------|------|------|-------|-------|
| Chloride | mg/L | 4990 | 68.2 | 13600 | 1820 | 1810 | 1110 | 411 | 8280 | 8680 |
| TDS | mg/L | 8340 | 11800 | 24700 | 4140 | 3270 | 2010 | 1060 | 13500 | 14900 |

Table 2

**Analytical Results Summary
Groundwater Monitoring Well Sampling
Chevron Environmental Management Company (CEMC) - Dollarhide
Andrews County, Texas
October 2020**

| Location ID: | MW-18 | MW-19 | MW-20 | MW-21 | MW-22 | MW-23 | MW-24 | MW-25 | MW-26 |
|---------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|
| Sample Name: | MW-18-W-201210 | MW-19-W-201210 | MW-20-W-201210 | MW-21-W-201210 | MW-22-W-201210 | MW-23-W-201210 | MW-24-W-201210 | MW-25-W-201210 | MW-26-W-201210 |
| Sample Date: | 10/12/2020 |

Parameters Unit**General Chemistry**

| | | | | | | | | | | |
|----------|------|-------|-------|------|-------|-------|------|------|-------|------|
| Chloride | mg/L | 21600 | 7990 | 1350 | 6840 | 13000 | 5450 | 4330 | 24100 | 1500 |
| TDS | mg/L | 34100 | 16800 | 2470 | 10900 | 19900 | 8810 | 9440 | 36900 | 3320 |

Table 2

**Analytical Results Summary
 Groundwater Monitoring Well Sampling
 Chevron Environmental Management Company (CEMC) - Dollarhide
 Andrews County, Texas
 October 2020**

| Location ID: | MW-27 | MW-28 | MW-29 | MW-30 | MW-31 | MW-32 | MW-32 | MW-33 | MW-34 |
|--------------|----------------|----------------|----------------|----------------|----------------|--------------|-----------------|--------------|--------------|
| Sample Name: | MW-27-W-201210 | MW-28-W-200810 | MW-29-W-200810 | MW-30-W-201210 | MW-31-W-201210 | MW-32-200810 | MW-32-WD-200810 | MW-33-200810 | MW-34-200810 |
| Sample Date: | 10/12/2020 | 10/08/2020 | 10/08/2020 | 10/12/2020 | 10/12/2020 | 10/08/2020 | 10/08/2020 | 10/08/2020 | 10/08/2020 |
| | | | | | | | Duplicate | | |

| Parameters | Unit | | | | | | | | | |
|--------------------------|------|------|------|------|------|-------|------|------|------|------|
| General Chemistry | | | | | | | | | | |
| Chloride | mg/L | 2490 | 3780 | 637 | 2240 | 10200 | 349 | 327 | 201 | 73.3 |
| TDS | mg/L | 4200 | 8160 | 1460 | 4090 | 16700 | 1110 | 1120 | 1090 | 608 |

| | | | | | | | | | | |
|----------|------|------|------|------|------|-------|------|------|------|------|
| Chloride | mg/L | 2490 | 3780 | 637 | 2240 | 10200 | 349 | 327 | 201 | 73.3 |
| TDS | mg/L | 4200 | 8160 | 1460 | 4090 | 16700 | 1110 | 1120 | 1090 | 608 |

Table 2

**Analytical Results Summary
Groundwater Monitoring Well Sampling
Chevron Environmental Management Company (CEMC) - Dollarhide
Andrews County, Texas
October 2020**

| Location ID: | NM-MW-1 | NM-MW-2 | NM-MW-3 | NM-MW-4 | NM-MW-5 | NM-MW-6 | NM-MW-7 |
|---------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|
| Sample Name: | NM-MW-1-W-200710 | NM-MW-2-W-200710 | NM-MW-3-W-200710 | NM-MW-4-W-200820 | NM-MW-5-W-200710 | NM-MW-6-W-200710 | NM-MW-7-W-200710 |
| Sample Date: | 10/07/2020 |

| Parameters | Unit | | | | | | |
|--------------------------|-------------|------|------|-----|------|------|-----|
| General Chemistry | | | | | | | |
| Chloride | mg/L | 288 | 706 | 253 | 47.7 | 155 | 147 |
| TDS | mg/L | 1450 | 1370 | 731 | 431 | 1330 | 826 |

| | | | | | | | |
|--------------------------|------|------|------|-----|------|------|-----|
| General Chemistry | | | | | | | |
| Chloride | mg/L | 288 | 706 | 253 | 47.7 | 155 | 147 |
| TDS | mg/L | 1450 | 1370 | 731 | 431 | 1330 | 826 |

Table 2

**Analytical Results Summary
 Groundwater Monitoring Well Sampling
 Chevron Environmental Management Company (CEMC) - Dollarhide
 Andrews County, Texas
 October 2020**

| Location ID: | NM-MW-8 | NM-MW-9 | NM-MW-10 | NM-MW-11 | NM-MW-12 | NM-MW-13 | NM-MW-14 |
|--------------|------------------|------------------|-------------------|-----------------|-----------------|-----------------|-------------------|
| Sample Name: | NM-MW-8-W-200820 | NM-MW-9-W-200820 | NM-MW-10-W-200820 | NM-MW-11-200810 | NM-MW-12-200810 | NM-MW-13-200810 | NM-MW-14-W-200820 |
| Sample Date: | 10/07/2020 | 10/08/2020 | 10/08/2020 | 10/08/2020 | 10/08/2020 | 10/08/2020 | 10/08/2020 |

| Parameters | Unit |
|--------------------------|------|
| General Chemistry | |
| Chloride | mg/L |
| TDS | mg/L |

| | | | | | | | | |
|----------|------|-------|-----|------|------|------|------|------|
| Chloride | mg/L | 6370 | 256 | 366 | 181 | 580 | 211 | 26.4 |
| TDS | mg/L | 11100 | 811 | 1720 | 1960 | 1280 | 1100 | 465 |

Table 2

**Analytical Results Summary
Groundwater Monitoring Well Sampling
Chevron Environmental Management Company (CEMC) - Dollarhide
Andrews County, Texas
October 2020**

| | | | | |
|---------------------|------------------------|------------------------|------------------------|------------------------|
| Location ID: | NM-MW-15 | NM-MW-17 | NM-MW-20 | NM-MW-21 |
| Sample Name: | NM-MW-15-200810 | NM-MW-17-200810 | NM-MW-20-200810 | NM-MW-21-200810 |
| Sample Date: | 10/08/2020 | 10/08/2020 | 10/08/2020 | 10/08/2020 |

| Parameters | Unit | | | | |
|------------|------|--|--|--|--|
|------------|------|--|--|--|--|

General Chemistry

| | | | | | |
|----------|------|------|-----|------|------|
| Chloride | mg/L | 59.9 | 216 | 23.0 | 29.8 |
| TDS | mg/L | 521 | 976 | 402 | 523 |

Table 2

**Analytical Results Summary
 Groundwater Monitoring Well Sampling
 Chevron Environmental Management Company (CEMC) - Dollarhide
 Andrews County, Texas
 October 2020**

| | | | | |
|---------------------|---------------------------|------------------------------------|---------------------------------|-----------------------------------|
| Location ID: | NM-MW-21 | Ranch Windmill | SMITH RESIDENCE | WILSON RANCH WW |
| Sample Name: | NM-MW-21-WD-200810 | RRR Ranch Windmill-W-200820 | Smith Residence-W-200820 | Wilson Ranch Well-W-200820 |
| Sample Date: | 10/08/2020 | 10/07/2020 | 10/08/2020 | 10/08/2020 |
| | Duplicate | | | |

| Parameters | Unit | | | |
|-------------------|-------------|--|--|--|
|-------------------|-------------|--|--|--|

General Chemistry

| | | | | | |
|----------|------|------|------|------|------|
| Chloride | mg/L | 29.6 | 1960 | 753 | 784 |
| TDS | mg/L | 534 | 4110 | 1570 | 1710 |

Notes:

TDS - Total Dissolved Solids

Table 3

Analytical Methods
Groundwater Monitoring Well Sampling
Chevron Environmental Management Company (CEMC) - Dollarhide
Andrews County, Texas
October 2020

| Parameter | Method | Matrix | Holding Time |
|------------------|---------------|---------------|--------------------------------------|
| | | | Collection to Analysis (Days) |
| Chloride | EPA 300/300.1 | Water | 28 |
| TDS | SM 2540C | Water | 7 |

Notes:

TDS - Total Dissolved Solids

Method References:

EPA - "Test Methods for Evaluating Solid Waste, Physical/Chemical Methods", SW-846, Third Edition, 1986, with subsequent revisions

SM - "Standard Methods for the Examination of Water and Wastewater", 18th Edition, 1992, with subsequent revisions



about GHD

GHD is one of the world's leading professional services companies operating in the global markets of water, energy and resources, environment, property and buildings, and transportation. We provide engineering, environmental, and construction services to private and public sector clients.

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

CONDITIONS

Action 22745

CONDITIONS

| | |
|--|--|
| Operator: CHEVRON U S A INC 6301 Deauville Blvd Midland, TX 79706 | OGRID: 4323 |
| | Action Number: 22745 |
| | Action Type: [UF-GWA] Ground Water Abatement (GROUND WATER ABATEMENT) |

CONDITIONS

| Created By | Condition | Condition Date |
|------------|---|----------------|
| nvelez | Accepted for the record. See app ID 133587 for most updated status. | 10/25/2022 |