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Semi-Annual Groundwater Monitoring Report (July 2021)

Dollarhide Oil Field Unit
Andrews County, Texas
RRC OCP No. 08-1048
OCD RP No. 1R-3944

Scout Energy Partners

March 21, 2022

→ The Power of Commitment

Contents

Table Index

Figure Index

Appendix Index

1. Introduction

GHD Services Inc. (GHD), on behalf of Scout Energy Partners (Scout), submits herein to the Railroad Commission of Texas (RRC) the *Semi-Annual Groundwater Monitoring Report (July 2021)* for the Dollarhide Oil Field Unit located in Andrews County, Texas (Site). The latitude/longitude coordinates for the Site are 32º 08' 45.60" N and 103º 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 2021. It should be noted that on October 1, 2021, Chevron completed the sale of the Dollarhide Oil Fuel Unit to Scout. Scout has assumed the Site's assessment strategy and path forward pursuant to the regulatory framework detailed below. This report summarized the July 2021 sampling event. As a result of the transition process associated with the October 2021 sale of the Dollarhide Oil Field Unit to Scout, the December 2021 groundwater sampling event was not conducted.

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).

2.1.1 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.

2.1.2 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 Scout), is located within 100 feet of monitor well 44-J-WW. Soil investigations were conducted in 2000 by Unocal and 2011 by Chevron, 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 of Chevron's former 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. Scout is 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).

Due to the proximity of the Site being located near the Texas and New Mexico state boundaries, correspondence with the OCD has been maintained on Site activities relating to the groundwater assessment being completed under the jurisdiction of the RRC. Per OCD's request, a Release Notification and Corrective Action (C-141) Form was submitted in a written correspondence on October 28, 2015 in order to establish a file for the Site.

4. Groundwater Monitoring

Groundwater sampling was initiated in 2008 at the Site on a semi-annual basis. In 2017, Chevron voluntarily initiated quarterly groundwater sampling in April and October to provide concentration data trends for only the new monitor wells installed in 2015, 2016, 2017, 2019, and 2020. In 2021, the voluntary events were reduced to include analytical sampling of only the wells installed in 2019 and 2020.

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. The groundwater data collected during the July 2021 event is discussed below.

4.1 Potentiometric Conditions

Prior to sampling, 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 2021 event are shown on Figure 3. 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.

4.2 Groundwater Sampling

During the July 2021 sampling event, 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 Eurofins Xenco Laboratory 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 2021 sampling event are reported herein.

4.3 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 2021 event are listed in Table 4. The groundwater chloride and TDS concentrations and isopleths for the July 2021 sampling event are shown on Figures 4 and 5, 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.

4.4 Quality Assurance/Quality Control

During the July 2021 sampling event, five 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 2021 sampling event 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.

5. Conclusions and Path Forward

The results of the 2021 groundwater monitoring events will be used to continue development for the strategy and path forward for the Site. Based on the results of the July 2021 sampling event and observed trends in historical events, concentrations of chlorides and TDS remained generally consistent, and the chloride plume has been delineated in the observed southwest downgradient direction. Scout will continue conducting groundwater sampling on a semi-annual basis with the next event scheduled for July 2022. It is anticipated that Scout will request a meeting with both the RRC and OCD in the second quarter of 2022 to discuss the long-term management strategy for the Site.

Should you have any questions regarding this submittal, please contact Phillip Moore of GHD at (972) 331-5946 or Spencer Jackson of Scout at (972) 505-3842.

All of which is Respectfully Submitted,

GHD

Phillip H. Moore, P.G.
Texas PG No. 15018

Stephen Saller, P.G.
Texas PG No. 13096

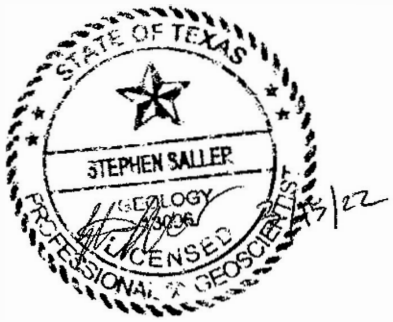

Table 1

Groundwater Well Designations
Scout 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)
	MW-14(1)

Table 1

Groundwater Well Designations
Scout Dollarhide Unit
Dollarhide, Texas

Well Group Designation	Well Identification
Monitor Wells	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)]
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	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 2021 Groundwater Elevation Measurements
Scout 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	93.80	NA
44-I-1-MW	3,138.93	94.99	3,043.94
44-J-1-MW	3,134.50	94.76	3,039.74
44-J-2-MW	3,135.30	93.53	3,041.77
44-J-3-MW	3,140.19	94.02	3,046.17
44-J-4-MW	3,133.69	94.00	3,039.69
44-J-5-MW	3,134.75	95.03	3,039.72
45-E-1-MW	NM	88.90	NA
45-E-2-MW	NM	84.33	NA
45-E-3-MW	NM	87.41	NA
45-F-1-MW	NM	88.74	NA
45-FF-MW	3,122.70	89.14	3,033.56
58-B-1-MW	3,100.59	85.10	3,015.49
58-B-2-MW	3,111.91	84.12	3,027.79
58-B-3-MW	3,108.46	89.03	3,019.43
MW-2	3,204.56	DRY	NA
MW-3	3,199.51	113.36	3,086.15
MW-4	3,189.69	115.91	3,073.78
MW-5	3,174.43	103.12	3,071.31
MW-6	3,165.25	94.40	3,070.85
MW-7	3,132.14	DRY	NA
MW-8	3,107.34	84.33	3,023.01
MW-9	3,103.82	84.73	3,019.09
MW-10	3,139.71	97.17	3,042.54
MW-11	3,156.65	102.63	3,054.02
MW-12	3,151.33	95.07	3,056.26
MW-13	3,168.41	99.08	3,069.33
MW-14	3,182.69	107.13	3,075.56
MW-15	3,184.55	104.37	3,080.18
MW-16	3,167.93	99.67	3,068.26
MW-17	3,147.44	84.61	3,062.83
MW-18	3,155.01	96.08	3,058.93
MW-19	3,149.90	99.58	3,050.32
MW-20	3,120.09	87.87	3,032.22
MW-21	3,159.65	92.87	3,066.78
MW-22	3,152.50	88.24	3,064.26
MW-23	3,151.66	87.47	3,064.19
MW-24	3,144.88	95.28	3,049.60
MW-25	3,165.45	103.63	3,061.82
MW-26	3,136.99	93.71	3,043.28
MW-27	3,126.99	91.35	3,035.64

Table 2

July 2021 Groundwater Elevation Measurements
Scout Dollarhide Unit
Andrews County, Texas

Well Identification	TOC Elevation (ft NAVD)	Depth to Water (ft below TOC)	Groundwater Elevation (ft NAVD)
MW-28	3,093.86	83.97	3,009.89
MW-29	3,098.60	100.37	2,998.23
MW-30	3,170.95	103.94	3,067.01
MW-31	3,145.41	94.70	3,050.71
MW-32	3,090.28	81.48	3,008.80
MW-33	3,080.02	77.07	3,002.95
MW-34	3,069.95	71.68	2,998.27
NM-MW-1	3,124.90	71.96	3,052.94
NM-MW-2	3,152.86	95.97	3,056.89
NM-MW-3	3,146.86	91.40	3,055.46
NM-MW-4	3,154.21	110.08	3,044.13
NM-MW-5	3,109.14	100.02	3,009.12
NM-MW-6	3,093.23	87.86	3,005.37
NM-MW-7	3,147.67	94.57	3,053.10
NM-MW-8	3,138.62	97.52	3,041.10
NM-MW-9	3,118.18	93.57	3,024.61
NM-MW-10	3,066.32	79.76	2,986.56
NM-MW-11	3,075.44	82.63	2,992.81
NM-MW-12	3,105.47	96.53	3,008.94
NM-MW-13	3,051.17	84.60	2,966.57
NM-MW-14	3,126.82	95.77	3,031.05
NM-MW-15	3,064.93	86.90	2,978.03
NM-MW-16	3,085.99	DRY	NA
NM-MW-17	3,035.70	58.62	2,977.08
NM-MW-20	3,091.29	93.48	2,997.81
NM-MW-21	3,047.98	76.69	2,971.29
Non-Remedial Wells			
RRR Ranch Windmill	NM	93.48	NA
Livermore	NM	95.65	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

Second Half 2021 Groundwater Analytical Results Summary
Scout Dollarhide Unit
Andrews County, Texas

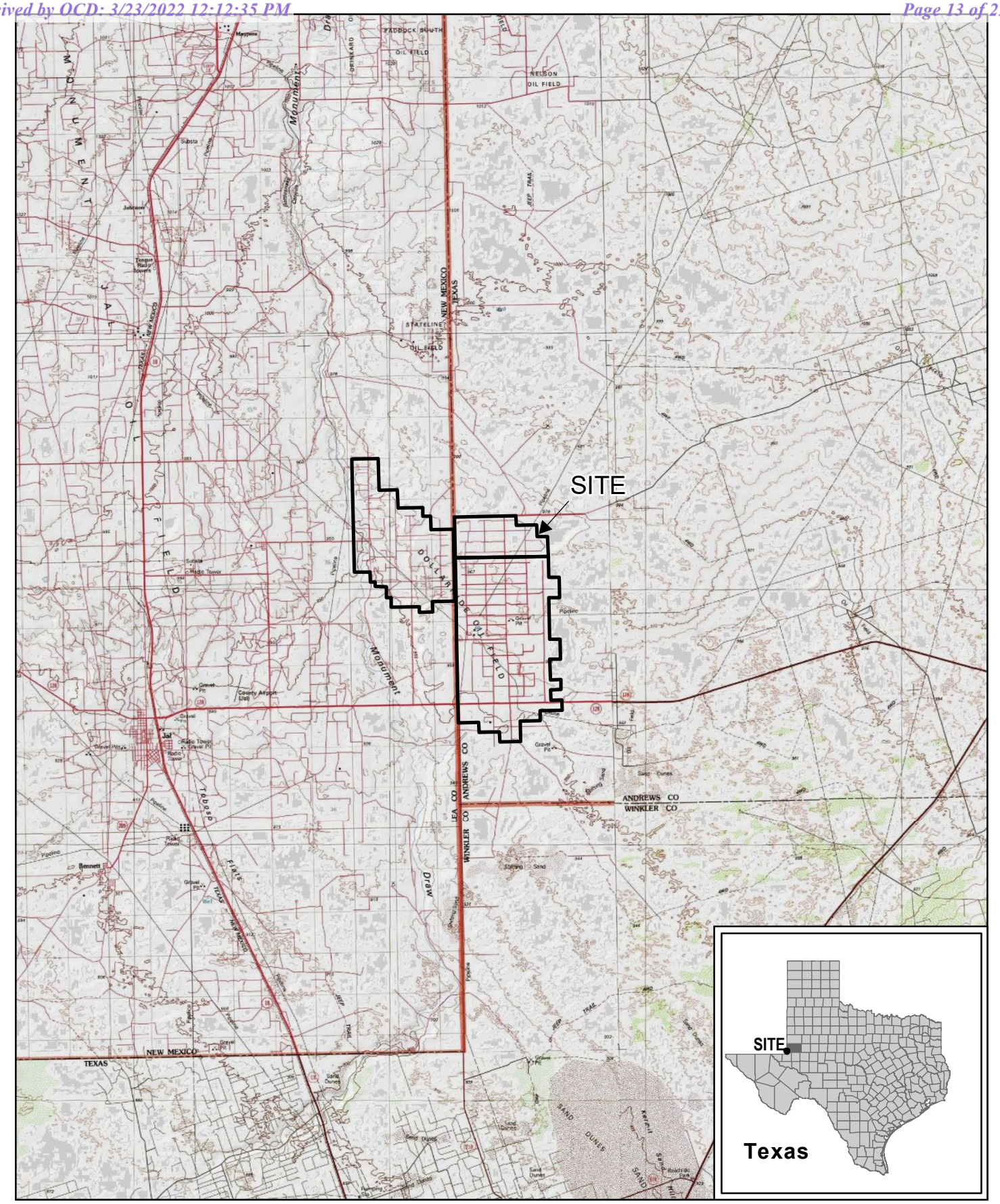
Sample ID	July	
	Chloride (mg/L)	Total Dissolved Solids (mg/L)
TCEQ Secondary Drinking Water Standards (mg/L)	**300**	**1,000**
Monitor Wells		
43-K-1-MW	**5,530**	**9,980**
44-I-1-MW	**3,920**	**9,550**
44-J-1-MW	**4,900**	**8,790**
44-J-2-MW	**5,090**	**8,840**
44-J-3-MW	**5,420**	**9,470**
44-J-4-MW	**4,470**	**7,910**
44-J-5-MW	**4,440**	**8,610**
45-E-1-MW	**3,500**	**9,750**
45-E-2-MW	**1,710**	**3,070**
45-E-3-MW	**2,540**	**8,230**
45-F-1-MW	**1,140**	**1,970**
45-FF-MW	**3,750**	**9,810**
58-B-1-MW	**6,730**	**10,900**
58-B-2-MW	**2,300**	**6,480**
58-B-3-MW	**1,730**	**2,890**
MW-2	NS	NS
MW-3	**654**	**1,390**
MW-4	**326**	951
MW-5	251	996
MW-6	**412**	**1,470**
MW-7	NS	NS
MW-8	**1,080**	**2,500**
MW-9	**2,740**	**4,510**
MW-10	**4,980**	**8,180**
MW-11	**7,540**	**13,100**
MW-12	**13,600**	**23,600**
MW-13	**2,030**	**4,280**
MW-14	**1,780**	**3,180**
MW-15	**1,150**	**1,870**
MW-16	**534**	**1,270**
MW-17	**8,050**	**13,900**
MW-18	**25,100**	**34,300**
MW-19	**8,030**	**14,300**
MW-20	**1,310**	**3,250**
MW-21	**6,550**	**11,200**
MW-22	**13,800**	**21,200**
MW-23	**7,810**	**13,200**
MW-24	**4,340**	**8,770**
MW-25	**23,200**	**37,300**
MW-26	**1,490**	**3,180**
MW-27	**2,330**	**4,060**

Second Half 2021 Groundwater Analytical Results Summary
Scout Dollarhide Unit
Andrews County, Texas

Sample ID	July	
	Chloride (mg/L)	Total Dissolved Solids (mg/L)
TCEQ Secondary Drinking Water Standards (mg/L)	**300**	**1,000**
MW-28	**2,710**	**6,890**
MW-29	**605**	**1,290**
MW-30	**2,160**	**3,970**
MW-31	**7,790**	**17,900**
MW-32	**373**	**1,160**
MW-33	213	**1,050**
MW-34	73	613
NM-MW-1	292	**1,370**
NM-MW-2	**770**	**1,340**
NM-MW-3	**345**	781
NM-MW-4	48	417
NM-MW-5	156	**1,280**
NM-MW-6	151	821
NM-MW-7	**2,220**	**4,360**
NM-MW-8	**3,290**	**11,400**
NM-MW-9	258	808
NM-MW-10	**363**	**1,730**
NM-MW-11	174	**1,990**
NM-MW-12	**485**	**1,090**
NM-MW-13	203	**1,100**
NM-MW-14	28	500
NM-MW-15	57	516
NM-MW-16	NS	NS
NM-MW-17	212	**1,010**
NM-MW-20	22	409
NM-MW-21	28	558
Non-Remedial Wells		
Livermore	**2,200**	**4,260**
Pure Water Tower	NA	NA
Pure Water Well	NA	NA
RRR Ranch Windmill	**2,110**	**3,740**
Smith Residential Well	**1,040**	**1,880**
TRAC-4	NA	NA
TRAC-8	NA	NA
Wilson Ranch	**1,070**	**1,970**
DHU-FWS	NS	NS

Notes:
1. Constituent concentrations reported in milligrams per liter (mg/L).
2. Bold font indicates that a detected result was above the TCEQ

NA = Not Applicable
NS = Not Sampled



Paper Size ANSI A

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Miles

Map Projection: Transverse Mercator
Horizontal Datum: North American 1983
Grid: NAD 1983 UTM Zone 13N

N

GHD

SCOUT ENERGY PARTNERS
ANDREWS COUNTY, TEXAS
CHEVRON DOLLARHIDE UNIT

Project No. **055270**
Revision No. **-**
Date **Feb 21, 2022**

SITE VICINITY MAP

FIGURE 1

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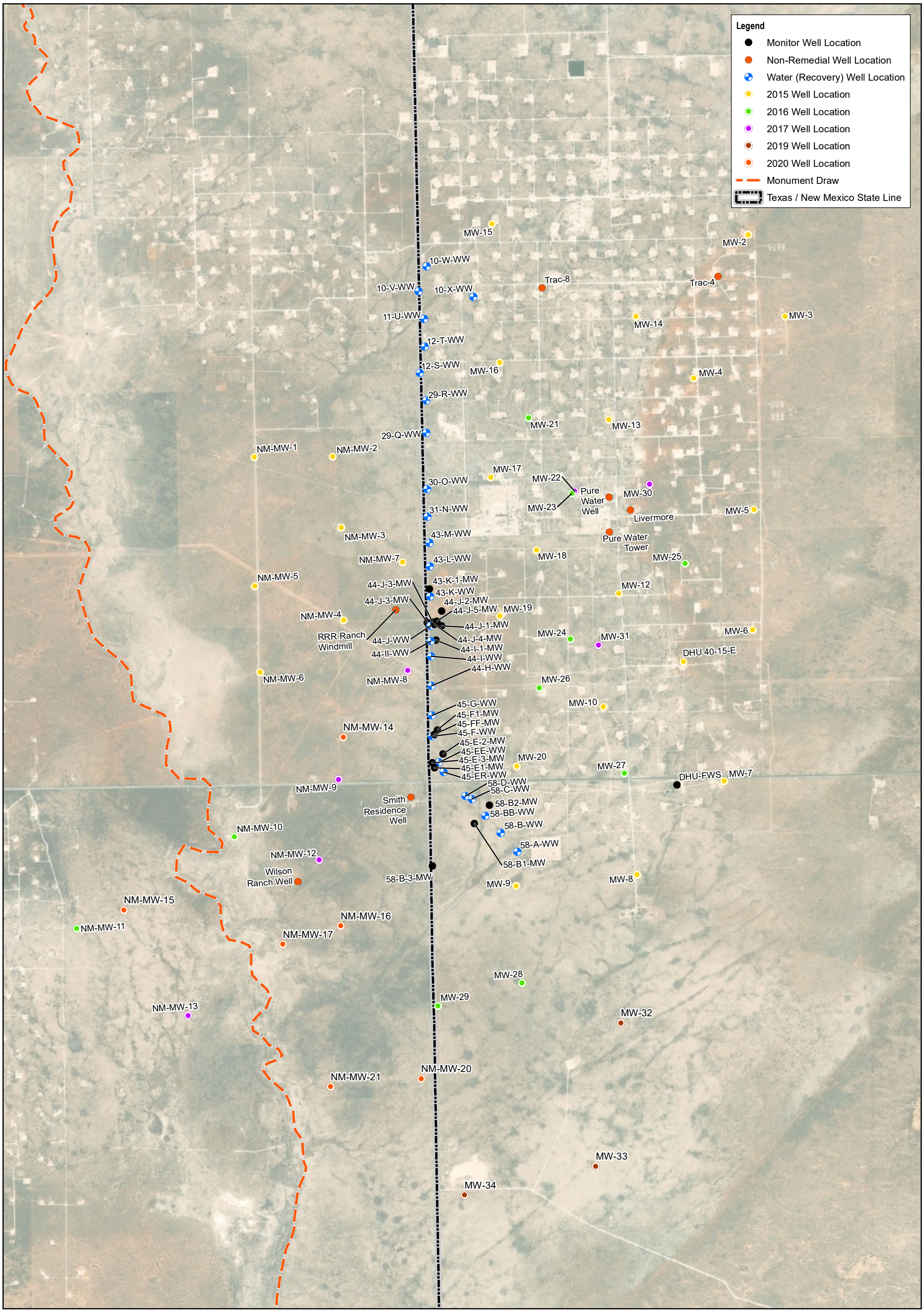

Paper Size ANSI B

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Feet

Map Projection: Transverse Mercator
Horizontal Datum: North American 1983
Grid: NAD 1983 UTM Zone 13N

N

GHD

SCOUT ENERGY PARTNERS
ANDREWS COUNTY, TEXAS
DOLLARHIDE OIL FIELD UNIT

SITE DETAILS MAP

Project No. **055270**
Revision No. **-**
Date **Feb 21, 2022**

FIGURE 2

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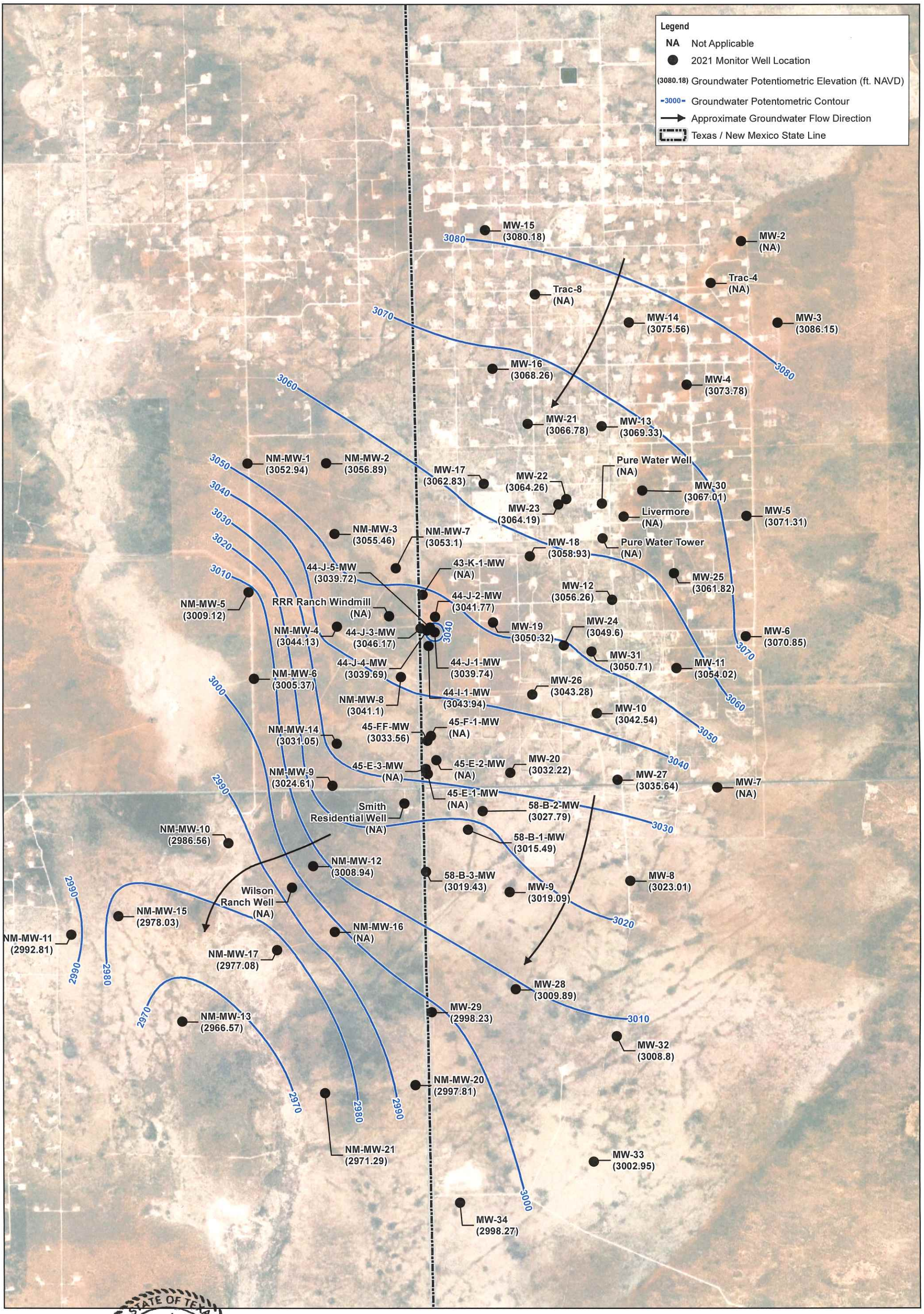

STATE OF TEXAS
STEPHEN SALLER
GEOLOGY
13096
LICENSED PROFESSIONAL GEOSCIENTIST

Paper Size ANSI B

0 840 1,680 2,520 3,360

Feet

Map Projection: Transverse Mercator
Horizontal Datum: North American 1983
Grid: NAD 1983 UTM Zone 13N

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SCOUT ENERGY PARTNERS
ANDREWS COUNTY, TEXAS
DOLLARHIDE OIL FIELD UNIT

JULY 2021 GROUNDWATER POTENTIOMETRIC ELEVATIONS & CONTOURS

Project No. 055270
Revision No. -
Date Feb 22, 2022

FIGURE 3

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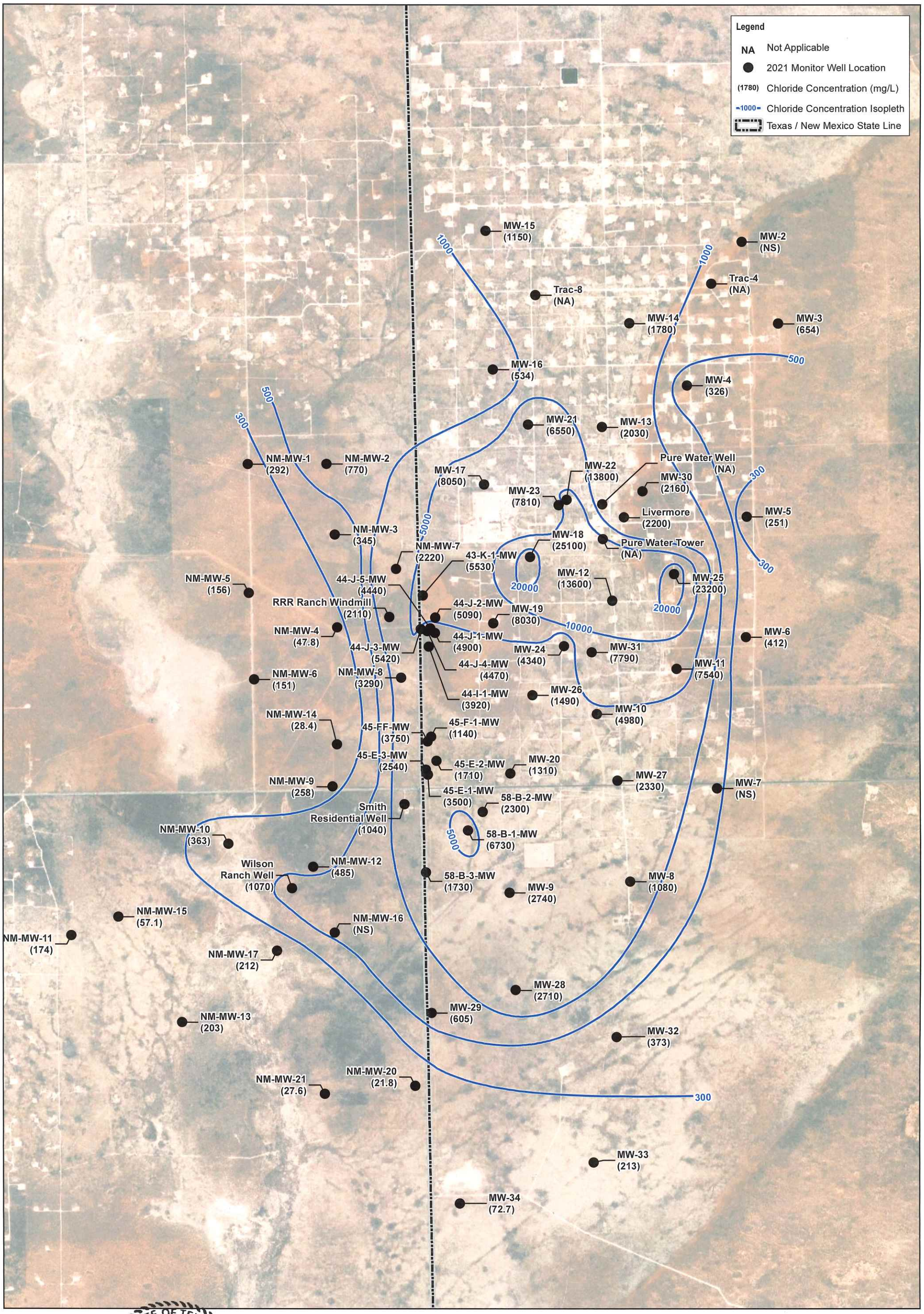

STATE OF TEXAS
STEPHEN SALLER
GEOLOGY
13096
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Paper Size ANSI B
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Feet

Map Projection: Transverse Mercator
Horizontal Datum: North American 1983
Grid: NAD 1983 UTM Zone 13N

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GHD

SCOUT ENERGY PARTNERS
ANDREWS COUNTY, TEXAS
DOLLARHIDE OIL FIELD UNIT

JULY 2021 GROUNDWATER CHLORIDE CONCENTRATIONS & ISOPLETHS

Project No. 055270
Revision No. -
Date Mar 11, 2022

FIGURE 4

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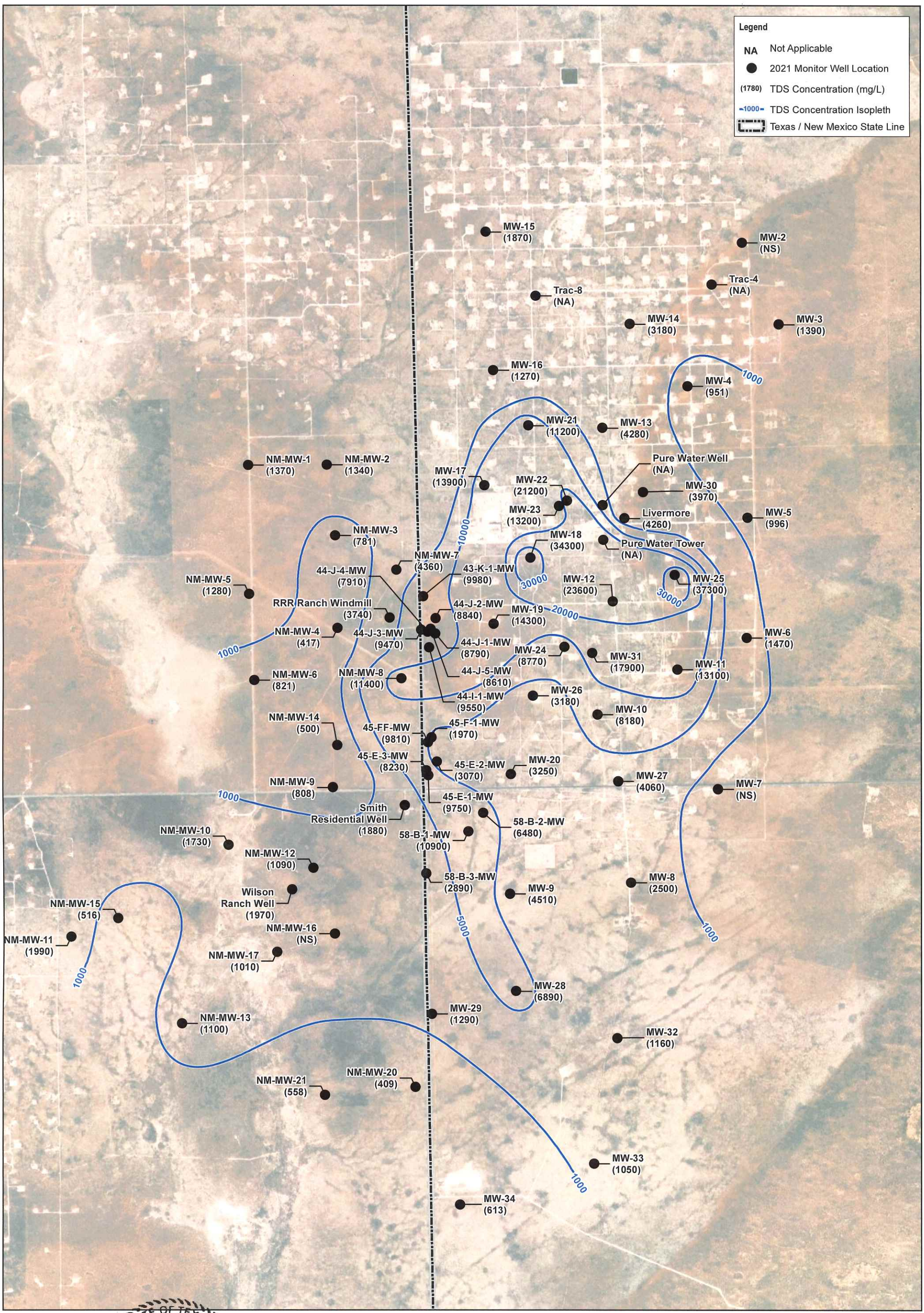

STATE OF TEXAS
STEPHEN SALLER
GEOLOGY
13096
PROFESSIONAL GEOSCIENTIST
LICENSED
3/21/22

Paper Size ANSI B

0 840 1,680 2,520 3,360

Feet

Map Projection: Transverse Mercator
Horizontal Datum: North American 1983
Grid: NAD 1983 UTM Zone 13N

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GHD

SCOUT ENERGY PARTNERS
ANDREWS COUNTY, TEXAS
DOLLARHIDE OIL FIELD UNIT

JULY 2021 GROUNDWATER TOTAL DISSOLVED SOLIDS (TDS) CONCENTRATIONS & ISOPLETHS

Project No. 055270
Revision No. -
Date Mar 11, 2022

FIGURE 5

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Appendices

Appendix A

Historical Groundwater Elevations

Appendix A

Historical Groundwater Elevation Measurements
Scout 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
	01/06/21	112.89	93.85	NA	NA	NA
	07/21/21	NM	93.80	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
	01/06/21	106.07	95.20	NA	NA	3,043.73
	07/21/21	NM	94.99	NA	NA	3,043.94

Appendix A

Historical Groundwater Elevation Measurements
Scout 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
	01/06/21	110.58	95.01	NA	NA	3,039.49
	07/21/21	NM	94.76	NA	NA	3,039.74
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

Appendix A

Historical Groundwater Elevation Measurements
Scout 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]
	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
	01/06/21	108.69	93.66	NA	NA	3,041.64
	07/21/21	NM	93.53	NA	NA	3,041.77
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
	01/06/21	114.45	95.25	NA	NA	3,044.94
	07/21/21	NM	94.02	NA	NA	3,046.17
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

Appendix A

Historical Groundwater Elevation Measurements
Scout 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]
	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
	01/06/21	113.31	94.22	NA	NA	3,039.47
	07/21/21	NM	94.00	NA	NA	3,039.69
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
	01/06/21	113.68	95.35	NA	NA	3,039.40
	07/21/21	NM	95.03	NA	NA	3,039.72
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

Appendix A

Historical Groundwater Elevation Measurements
Scout 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]
	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
	01/06/21	102.91	87.13	NA	NA	NA
	07/21/21	NM	88.90	NA	NA	NA
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
	01/06/21	104.11	84.57	NA	NA	NA
	07/21/21	NM	84.33	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
	01/06/21	107.91	87.66	NA	NA	NA
	07/21/21	NM	87.41	NA	NA	NA
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

Appendix A

Historical Groundwater Elevation Measurements
Scout 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]
	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
	01/06/21	106.88	88.95	NA	NA	NA
	07/21/21	NM	88.74	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
	01/06/21	110.83	89.38	NA	NA	3,033.32
	07/21/21	NM	89.14	NA	NA	3,033.56
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

Appendix A

Historical Groundwater Elevation Measurements
Scout 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]
	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
	01/05/21	104.47	85.16	NA	NA	3,015.43
	07/21/21	NM	85.10	NA	NA	3,015.49
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
	01/05/21	104.66	84.14	NA	NA	3,027.77
	07/21/21	NM	84.12	NA	NA	3,027.79
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

Appendix A

Historical Groundwater Elevation Measurements
Scout 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]
	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
	01/05/21	100.73	89.08	NA	NA	3,019.38
	07/21/21	NM	89.03	NA	NA	3,019.43
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
	1/6/2021	109.13	DRY	NA	NA	DRY
	07/22/21	109.20	DRY	NA	NA	DRY
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
	1/6/2021	119.39	113.37	NA	NA	3,086.14
	07/22/21	NM	113.36	NA	NA	3,086.15
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

Appendix A

Historical Groundwater Elevation Measurements
Scout 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]
	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
	1/6/2021	117.06	115.85	NA	NA	3,073.84
	07/22/21	NM	115.91	NA	NA	3,073.78
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
	1/7/2021	116.96	103.11	NA	NA	3,071.32
	07/22/21	NM	103.12	NA	NA	3,071.31
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
	10/12/220	130.92	94.17	NA	NA	3,071.08
	1/7/2021	130.92	94.28	NA	NA	3,070.97
	07/22/21	NM	94.40	NA	NA	3,070.85
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

Appendix A

Historical Groundwater Elevation Measurements
Scout 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]
	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
	1/5/2021	116.61	DRY	NA	NA	DRY
	07/21/21	116.69	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
	1/5/2021	110.98	84.25	NA	NA	3,023.09
	4/6/2021	110.98	83.91	NA	NA	3,023.43
	07/21/21	NM	84.33	NA	NA	3,023.01
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
	1/5/2021	101.63	84.75	NA	NA	3,019.07
	4/6/2021	101.63	84.65	NA	NA	3,019.17

Appendix A

Historical Groundwater Elevation Measurements
Scout 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]
	07/21/21	NM	84.73	NA	NA	3,019.09
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
	1/7/2021	116.39	97.17	NA	NA	3,042.54
	07/22/21	NM	97.17	NA	NA	3,042.54
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
	1/7/2021	110.04	102.59	NA	NA	3,054.06
	07/22/21	NM	102.63	NA	NA	3,054.02
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

Appendix A

Historical Groundwater Elevation Measurements
Scout 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]
	10/12/2020	114.14	94.97	NA	NA	3,056.36
	1/7/2021	114.14	94.95	NA	NA	3,056.38
	07/22/21	NM	95.07	NA	NA	3,056.26
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
	1/6/2021	127.89	99.09	NA	NA	3,069.32
	07/22/21	NM	99.08	NA	NA	3,069.33
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
	1/6/2021	124.48	107.06	NA	NA	3,075.63
	07/22/21	NM	107.13	NA	NA	3,075.56
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

Appendix A

Historical Groundwater Elevation Measurements
Scout 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]
	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
	1/6/2021	126.61	104.51	NA	NA	3,080.04
	07/22/21	NM	104.37	NA	NA	3,080.18
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
	1/6/2021	119.06	99.72	NA	NA	3,068.21
	07/22/21	NM	99.67	NA	NA	3,068.26
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
	1/7/2021	118.32	84.48	NA	NA	3,062.96
	07/22/21	NM	84.61	NA	NA	3,062.83
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

Appendix A

Historical Groundwater Elevation Measurements
Scout 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]
	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
	1/7/2021	122.36	95.96	NA	NA	3,059.05
	07/22/21	NM	96.08	NA	NA	3,058.93
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
	1/7/2021	115.01	99.59	NA	NA	3,050.31
	07/22/21	NM	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
	1/7/2021	112.55	88.03	NA	NA	3,032.06
	07/21/21	NM	87.87	NA	NA	3,032.22
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

Appendix A

Historical Groundwater Elevation Measurements
Scout 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]
	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
	1/7/2021	123.75	92.72	NA	NA	3,066.93
	07/22/21	NM	92.87	NA	NA	3,066.78
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
	1/7/2021	117.14	88.11	NA	NA	3,064.39
	07/22/21	NM	88.24	NA	NA	3,064.26
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
	1/7/2021	124.93	87.34	NA	NA	3,064.32
	07/22/21	NM	87.47	NA	NA	3,064.19
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
	1/7/2021	115.44	95.24	NA	NA	3,049.64

Appendix A

Historical Groundwater Elevation Measurements
Scout 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]
	07/22/21	NM	95.28	NA	NA	3,049.60
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
	1/7/2021	116.84	103.56	NA	NA	3,061.89
	07/22/21	NM	103.63	NA	NA	3,061.82
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
	1/7/2021	108.29	93.74	NA	NA	3,043.25
	07/22/21	NM	93.71	NA	NA	3,043.28
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
	1/7/2021	108.41	91.38	NA	NA	3,035.61
	07/21/21	NM	91.35	NA	NA	3,035.64
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

Appendix A

Historical Groundwater Elevation Measurements
Scout 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]
	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
	1/5/2021	104.04	83.95	NA	NA	3,009.91
	4/6/2021	104.04	83.83	NA	NA	3,010.03
	07/21/21	NM	83.97	NA	NA	3,009.89
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
	1/5/2021	113.43	100.28	NA	NA	2,998.32
	4/6/2021	113.43	100.15	NA	NA	2,998.45
	07/21/21	NM	100.37	NA	NA	2,998.23
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
	1/7/2021	123.92	103.83	NA	NA	3,067.12
	07/22/21	NM	103.94	NA	NA	3,067.01
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

Appendix A

Historical Groundwater Elevation Measurements
Scout 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]
	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
	1/7/2021	102.75	94.63	NA	NA	3,050.78
	07/22/21	NM	94.70	NA	NA	3,050.71
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
	1/4/2021	94.45	81.47	NA	NA	3,008.81
	4/6/2021	94.45	81.31	NA	NA	3,008.97
	07/21/21	NM	81.48	NA	NA	3,008.80
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
	1/4/2021	92.67	77.09	NA	NA	3,002.93
	4/6/2021	92.67	76.93	NA	NA	3,003.09
	07/21/21	NM	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
	1/4/2021	78.06	71.63	NA	NA	2,998.32
	4/6/2021	78.06	71.42	NA	NA	2,998.53
	07/21/21	NM	71.68	NA	NA	2,998.27
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
	1/5/2021	105.94	71.88	NA	NA	3,053.02
	4/6/2021	105.94	71.82	NA	NA	3,053.08
	07/20/21	NM	71.96	NA	NA	3,052.94
NM-MW-2						
3,152.86	12/2/2015	NM	96.14	NA	NA	3,056.72

Appendix A

Historical Groundwater Elevation Measurements
Scout 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]
	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
	1/5/2021	120.60	95.85	NA	NA	3,057.01
	4/6/2021	120.60	95.66	NA	NA	3,057.20
	07/20/21	NM	95.97	NA	NA	3,056.89
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
	1/5/2021	105.40	91.36	NA	NA	3,055.50
	4/6/2021	105.40	91.22	NA	NA	3,055.64
	07/20/21	NM	91.40	NA	NA	3,055.46
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

Appendix A

Historical Groundwater Elevation Measurements
Scout 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]
	1/5/2021	117.16	110.01	NA	NA	3,044.20
	4/6/2021	117.16	110.05	NA	NA	3,044.16
	07/20/21	NM	110.08	NA	NA	3,044.13
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
	10/32017	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
	1/5/2021	114.55	100.12	NA	NA	3,009.02
	4/6/2021	114.55	100.03	NA	NA	3,009.11
	07/20/21	NM	100.02	NA	NA	3,009.12
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
	1/5/2021	121.80	87.93	NA	NA	3,005.30
	4/6/2021	121.80	87.74	NA	NA	3,005.49
	07/20/21	NM	87.86	NA	NA	3,005.37
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

Appendix A

Historical Groundwater Elevation Measurements
Scout 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]
	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
	1/5/2021	105.84	95.44	NA	NA	3,052.23
	4/6/2021	105.84	95.40	NA	NA	3,052.27
	07/19/21	NM	94.57	NA	NA	3,053.10
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
	1/5/2021	108.28	97.49	NA	NA	3,041.13
	4/6/2021	108.28	97.30	NA	NA	3,041.32
	07/20/21	NM	97.52	NA	NA	3,041.10
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
	1/5/2021	96.80	93.72	NA	NA	3,024.46
	4/6/2021	96.80	93.56	NA	NA	3,024.62
	07/20/21	NM	93.57	NA	NA	3,024.61
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
	1/5/2021	108.41	79.66	NA	NA	2,986.66

Appendix A

Historical Groundwater Elevation Measurements
Scout 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]
	4/6/2021	108.41	79.69	NA	NA	2,986.63
	07/20/21	NM	79.76	NA	NA	2,986.56
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
	1/4/2021	163.00	82.71	NA	NA	2,992.73
	4/6/2021	163.00	82.64	NA	NA	2,992.80
	07/20/21	NM	82.63	NA	NA	2,992.81
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
	1/5/2021	98.56	96.58	NA	NA	3,008.89
	4/6/2021	98.56	96.52	NA	NA	3,008.95
	07/20/21	NM	96.53	NA	NA	3,008.94
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
	1/4/2021	111.73	84.53	NA	NA	2,966.64
	4/6/2021	111.73	84.53	NA	NA	2,966.64
	07/20/21	NM	84.60	NA	NA	2,966.57
.						
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

Appendix A

Historical Groundwater Elevation Measurements
Scout 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]
	10/8/2020	97.75	95.85	NA	NA	3,030.97
	1/5/2021	97.68	95.79	NA	NA	3,031.03
	4/6/2021	97.68	95.76	NA	NA	3,031.06
	07/20/21	NM	95.77	NA	NA	3,031.05
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
	1/4/2021	98.20	86.76	NA	NA	2,978.17
	4/6/2021	98.20	86.76	NA	NA	2,978.17
	07/20/21	NM				
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
	1/4/2021	93.11	DRY	NA	NA	NA
	4/6/2021	93.02	DRY	NA	NA	NA
	07/20/21	NM	DRY	NA	NA	NA
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
	1/4/2021	86.73	58.55	NA	NA	2,977.15
	4/6/2021	86.73	58.54	NA	NA	2,977.16
	07/20/21	NM	58.62	NA	NA	2,977.08
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
	1/4/2021	97.77	93.45	NA	NA	2,997.84
	4/6/2021	97.77	93.37	NA	NA	2,997.92
	07/20/21	NM	93.48	NA	NA	2,997.81
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
	1/4/2021	78.55	76.61	NA	NA	2,971.37
	4/6/2021	78.55	76.64	NA	NA	2,971.34
	07/20/21	NM	76.69	NA	NA	2,971.29
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

Appendix A

Historical Groundwater Elevation Measurements
Scout 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]
	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
	1/7/2021	99.74	95.63	NA	NA	NA
	07/22/21	NM	95.65	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
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
	1/5/2021	96.33	93.46	NA	NA	NA
	4/6/2021	96.33	93.42	NA	NA	NA
	07/19/21	NM	93.48	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

eurofins | Environment Testing America

ANALYTICAL REPORT

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

Laboratory Job ID: 880-4302-1
Laboratory Sample Delivery Group: 055270
Client Project/Site: Dollarhide

For:
GHD Services Inc.
2135 South Loop 250 West
Midland, Texas 79703

Attn: Nick G. Casten

Authorized for release by:
8/6/2021 2:11:57 PM

Debbie Simmons, Project Manager
(281)240-4200
debbie.simmons@eurofinset.com

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

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

Client: GHD Services Inc.
Project/Site: Dollarhide

Laboratory Job ID: 880-4302-1
SDG: 055270

Table of Contents

Definitions/Glossary

Client: GHD Services Inc. Job ID: 880-4302-1
Project/Site: Dollarhide SDG: 055270

Qualifiers

HPLC/IC

Qualifier	Qualifier Description
U	Analyte was not detected at or above the SDL.

General Chemistry

Qualifier	Qualifier Description
U	Analyte was not detected at or above the SDL.

Glossary

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

Case Narrative

Client: GHD Services Inc.
Project/Site: Dollarhide

Job ID: 880-4302-1
SDG: 055270

Job ID: 880-4302-1

Laboratory: Eurofins Xenco, Midland

Narrative

Job Narrative
880-4302-1

Receipt
The samples were received on 7/23/2021 2:30 PM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 2.0°C

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

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

Client Sample Results

Client: GHD Services Inc.
Project/Site: Dollarhide

Job ID: 880-4302-1
SDG: 055270

Client Sample ID: NM-MW-7-W-212307 — Lab Sample ID: 880-4302-1

Date Collected: 07/23/21 09:49
Date Received: 07/23/21 14:30
Matrix: Water

Method: 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	2220		10.0	0.421	mg/L			07/28/21 10:21	20

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	4360		200	200	mg/L			07/25/21 17:04	1

Client Sample ID: RRR-Ranch Windmill-W-212307 — Lab Sample ID: 880-4302-2

Date Collected: 07/23/21 10:10
Date Received: 07/23/21 14:30
Matrix: Water

Method: 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	2110		25.0	1.05	mg/L			07/27/21 01:18	50

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	3740		200	200	mg/L			07/25/21 17:04	1

Client Sample ID: NM-MW-4-W-212307 — Lab Sample ID: 880-4302-3

Date Collected: 07/23/21 10:30
Date Received: 07/23/21 14:30
Matrix: Water

Method: 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	47.8		2.50	0.105	mg/L			07/27/21 01:26	5

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	417		50.0	50.0	mg/L			07/25/21 17:33	1

Client Sample ID: NM-MW-8-W-212307 — Lab Sample ID: 880-4302-4

Date Collected: 07/23/21 10:45
Date Received: 07/23/21 14:30
Matrix: Water

Method: 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	3290		25.0	1.05	mg/L			07/27/21 01:33	50

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	11400		500	500	mg/L			07/25/21 17:33	1

Client Sample ID: NM-MW-3-W-212307 — Lab Sample ID: 880-4302-5

Date Collected: 07/23/21 11:10
Date Received: 07/23/21 14:30
Matrix: Water

Method: 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	345		5.00	0.210	mg/L			07/27/21 01:54	10

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	781		50.0	50.0	mg/L			07/25/21 17:33	1

Client Sample Results

Client: GHD Services Inc.
Project/Site: Dollarhide

Job ID: 880-4302-1
SDG: 055270

Client Sample ID: NM-MW-2-W-212307
Lab Sample ID: 880-4302-6
Date Collected: 07/23/21 11:20
Matrix: Water
Date Received: 07/23/21 14:30

Method: 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	770		5.00	0.210	mg/L			07/27/21 02:02	10

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	1340		100	100	mg/L			07/25/21 17:33	1

Client Sample ID: NM-MW-1-W-212307
Lab Sample ID: 880-4302-7
Date Collected: 07/23/21 11:35
Matrix: Water
Date Received: 07/23/21 14:30

Method: 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	292		5.00	0.210	mg/L			07/27/21 02:09	10

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	1370		100	100	mg/L			07/25/21 17:33	1

Client Sample ID: NM-MW-5-W-212307
Lab Sample ID: 880-4302-8
Date Collected: 07/23/21 11:50
Matrix: Water
Date Received: 07/23/21 14:30

Method: 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	156		5.00	0.210	mg/L			07/27/21 02:16	10

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	1280		100	100	mg/L			07/25/21 17:33	1

Client Sample ID: NM-MW-6-W-212307
Lab Sample ID: 880-4302-9
Date Collected: 07/23/21 12:00
Matrix: Water
Date Received: 07/23/21 14:30

Method: 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	151		2.50	0.105	mg/L			07/27/21 02:23	5

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	821		50.0	50.0	mg/L			07/25/21 17:33	1

Client Sample ID: NM-MW-10-W-212307
Lab Sample ID: 880-4302-10
Date Collected: 07/23/21 12:20
Matrix: Water
Date Received: 07/23/21 14:30

Method: 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	363		5.00	0.210	mg/L			07/27/21 02:30	10

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	1730		100	100	mg/L			07/25/21 17:33	1

QC Sample Results

Client: GHD Services Inc.
Project/Site: Dollarhide

Job ID: 880-4302-1
SDG: 055270

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-5645/3
Matrix: Water
Analysis Batch: 5645

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<0.0210	U	0.500	0.0210	mg/L			07/27/21 00:28	1

Lab Sample ID: LCS 880-5645/4
Matrix: Water
Analysis Batch: 5645

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Chloride	25.0	25.10		mg/L		100	90 - 110

Lab Sample ID: LCSD 880-5645/5
Matrix: Water
Analysis Batch: 5645

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

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Chloride	25.0	25.12		mg/L		100	90 - 110	0	20

Lab Sample ID: 880-4302-10 MS
Matrix: Water
Analysis Batch: 5645

Client Sample ID: NM-MW-10-W-212307
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Chloride	363		250	614.2		mg/L		100	90 - 110

Lab Sample ID: 880-4302-10 MSD
Matrix: Water
Analysis Batch: 5645

Client Sample ID: NM-MW-10-W-212307
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Chloride	363		250	613.9		mg/L		100	90 - 110	0	20

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

Lab Sample ID: MB 880-5642/1
Matrix: Water
Analysis Batch: 5642

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	<25.0	U	25.0	25.0	mg/L			07/25/21 17:04	1

Lab Sample ID: LCS 880-5642/2
Matrix: Water
Analysis Batch: 5642

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Total Dissolved Solids	1000	993.0		mg/L		99	80 - 120

QC Sample Results

Client: GHD Services Inc.
Project/Site: Dollarhide

Job ID: 880-4302-1
SDG: 055270

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

Lab Sample ID: LCSD 880-5642/3
Matrix: Water
Analysis Batch: 5642

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

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Total Dissolved Solids			1000	992.0		mg/L		99	80 - 120	0	10

Lab Sample ID: 880-4219-A-11 DU
Matrix: Water
Analysis Batch: 5642

Client Sample ID: Duplicate
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier		DU Result	DU Qualifier	Unit	D			RPD	RPD Limit
Total Dissolved Solids	1160			1100		mg/L				6	10

Lab Sample ID: MB 880-5643/1
Matrix: Water
Analysis Batch: 5643

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	<25.0	U	25.0	25.0	mg/L			07/25/21 17:33	1

Lab Sample ID: 880-4302-10 DU
Matrix: Water
Analysis Batch: 5643

Client Sample ID: NM-MW-10-W-212307
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier		DU Result	DU Qualifier	Unit	D			RPD	RPD Limit
Total Dissolved Solids	1730			1696		mg/L				2	10

QC Association Summary

Client: GHD Services Inc.
Project/Site: Dollarhide

Job ID: 880-4302-1
SDG: 055270

HPLC/IC

Analysis Batch: 5645

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-4302-1	NM-MW-7-W-212307	Total/NA	Water	300.0	
880-4302-2	RRR-Ranch Windmill-W-212307	Total/NA	Water	300.0	
880-4302-3	NM-MW-4-W-212307	Total/NA	Water	300.0	
880-4302-4	NM-MW-8-W-212307	Total/NA	Water	300.0	
880-4302-5	NM-MW-3-W-212307	Total/NA	Water	300.0	
880-4302-6	NM-MW-2-W-212307	Total/NA	Water	300.0	
880-4302-7	NM-MW-1-W-212307	Total/NA	Water	300.0	
880-4302-8	NM-MW-5-W-212307	Total/NA	Water	300.0	
880-4302-9	NM-MW-6-W-212307	Total/NA	Water	300.0	
880-4302-10	NM-MW-10-W-212307	Total/NA	Water	300.0	
MB 880-5645/3	Method Blank	Total/NA	Water	300.0	
LCS 880-5645/4	Lab Control Sample	Total/NA	Water	300.0	
LCSD 880-5645/5	Lab Control Sample Dup	Total/NA	Water	300.0	
880-4302-10 MS	NM-MW-10-W-212307	Total/NA	Water	300.0	
880-4302-10 MSD	NM-MW-10-W-212307	Total/NA	Water	300.0	

General Chemistry

Analysis Batch: 5642

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-4302-1	NM-MW-7-W-212307	Total/NA	Water	SM 2540C	
880-4302-2	RRR-Ranch Windmill-W-212307	Total/NA	Water	SM 2540C	
MB 880-5642/1	Method Blank	Total/NA	Water	SM 2540C	
LCS 880-5642/2	Lab Control Sample	Total/NA	Water	SM 2540C	
LCSD 880-5642/3	Lab Control Sample Dup	Total/NA	Water	SM 2540C	
880-4219-A-11 DU	Duplicate	Total/NA	Water	SM 2540C	

Analysis Batch: 5643

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-4302-3	NM-MW-4-W-212307	Total/NA	Water	SM 2540C	
880-4302-4	NM-MW-8-W-212307	Total/NA	Water	SM 2540C	
880-4302-5	NM-MW-3-W-212307	Total/NA	Water	SM 2540C	
880-4302-6	NM-MW-2-W-212307	Total/NA	Water	SM 2540C	
880-4302-7	NM-MW-1-W-212307	Total/NA	Water	SM 2540C	
880-4302-8	NM-MW-5-W-212307	Total/NA	Water	SM 2540C	
880-4302-9	NM-MW-6-W-212307	Total/NA	Water	SM 2540C	
880-4302-10	NM-MW-10-W-212307	Total/NA	Water	SM 2540C	
MB 880-5643/1	Method Blank	Total/NA	Water	SM 2540C	
LCS 880-5643/2	Lab Control Sample	Total/NA	Water	SM 2540C	
LCSD 880-5643/3	Lab Control Sample Dup	Total/NA	Water	SM 2540C	
880-4302-10 DU	NM-MW-10-W-212307	Total/NA	Water	SM 2540C	

Lab Chronicle

Client: GHD Services Inc.
Project/Site: Dollarhide

Job ID: 880-4302-1
SDG: 055270

Client Sample ID: NM-MW-7-W-212307
Lab Sample ID: 880-4302-1
Date Collected: 07/23/21 09:49
Matrix: Water
Date Received: 07/23/21 14:30

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	300.0		20			5645	07/28/21 10:21	SC	XEN MID
Total/NA	Analysis	SM 2540C		1	25 mL	200 mL	5642	07/25/21 17:04	SC	XEN MID

Client Sample ID: RRR-Ranch Windmill-W-212307
Lab Sample ID: 880-4302-2
Date Collected: 07/23/21 10:10
Matrix: Water
Date Received: 07/23/21 14:30

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	300.0		50			5645	07/27/21 01:18	SC	XEN MID
Total/NA	Analysis	SM 2540C		1	25 mL	200 mL	5642	07/25/21 17:04	SC	XEN MID

Client Sample ID: NM-MW-4-W-212307
Lab Sample ID: 880-4302-3
Date Collected: 07/23/21 10:30
Matrix: Water
Date Received: 07/23/21 14:30

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	300.0		5			5645	07/27/21 01:26	SC	XEN MID
Total/NA	Analysis	SM 2540C		1	100 mL	200 mL	5643	07/25/21 17:33	SC	XEN MID

Client Sample ID: NM-MW-8-W-212307
Lab Sample ID: 880-4302-4
Date Collected: 07/23/21 10:45
Matrix: Water
Date Received: 07/23/21 14:30

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	300.0		50			5645	07/27/21 01:33	SC	XEN MID
Total/NA	Analysis	SM 2540C		1	10 mL	200 mL	5643	07/25/21 17:33	SC	XEN MID

Client Sample ID: NM-MW-3-W-212307
Lab Sample ID: 880-4302-5
Date Collected: 07/23/21 11:10
Matrix: Water
Date Received: 07/23/21 14:30

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	300.0		10			5645	07/27/21 01:54	SC	XEN MID
Total/NA	Analysis	SM 2540C		1	100 mL	200 mL	5643	07/25/21 17:33	SC	XEN MID

Client Sample ID: NM-MW-2-W-212307
Lab Sample ID: 880-4302-6
Date Collected: 07/23/21 11:20
Matrix: Water
Date Received: 07/23/21 14:30

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	300.0		10			5645	07/27/21 02:02	SC	XEN MID
Total/NA	Analysis	SM 2540C		1	50 mL	200 mL	5643	07/25/21 17:33	SC	XEN MID

Lab Chronicle

Client: GHD Services Inc.
Project/Site: Dollarhide

Job ID: 880-4302-1
SDG: 055270

Client Sample ID: NM-MW-1-W-212307
Lab Sample ID: 880-4302-7
Date Collected: 07/23/21 11:35
Matrix: Water
Date Received: 07/23/21 14:30

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	300.0		10			5645	07/27/21 02:09	SC	XEN MID
Total/NA	Analysis	SM 2540C		1	50 mL	200 mL	5643	07/25/21 17:33	SC	XEN MID

Client Sample ID: NM-MW-5-W-212307
Lab Sample ID: 880-4302-8
Date Collected: 07/23/21 11:50
Matrix: Water
Date Received: 07/23/21 14:30

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	300.0		10			5645	07/27/21 02:16	SC	XEN MID
Total/NA	Analysis	SM 2540C		1	50 mL	200 mL	5643	07/25/21 17:33	SC	XEN MID

Client Sample ID: NM-MW-6-W-212307
Lab Sample ID: 880-4302-9
Date Collected: 07/23/21 12:00
Matrix: Water
Date Received: 07/23/21 14:30

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	300.0		5			5645	07/27/21 02:23	SC	XEN MID
Total/NA	Analysis	SM 2540C		1	100 mL	200 mL	5643	07/25/21 17:33	SC	XEN MID

Client Sample ID: NM-MW-10-W-212307
Lab Sample ID: 880-4302-10
Date Collected: 07/23/21 12:20
Matrix: Water
Date Received: 07/23/21 14:30

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	300.0		10			5645	07/27/21 02:30	SC	XEN MID
Total/NA	Analysis	SM 2540C		1	50 mL	200 mL	5643	07/25/21 17:33	SC	XEN MID

Laboratory References:
XEN MID = Eurofins Xenco, Midland, 1211 W. Florida Ave, Midland, TX 79701, TEL (432)704-5440

Accreditation/Certification Summary

Client: GHD Services Inc.
Project/Site: Dollarhide

Job ID: 880-4302-1
SDG: 055270

Laboratory: Eurofins Xenco, Midland

The accreditations/certifications listed below are applicable to this report.

Authority	Program	Identification Number	Expiration Date
Texas	NELAP	T104704400-20-21	06-30-22

Method Summary

Client: GHD Services Inc.
Project/Site: Dollarhide

Job ID: 880-4302-1
SDG: 055270

Method	Method Description	Protocol	Laboratory
300.0	Anions, Ion Chromatography	MCAWW	XEN MID
SM 2540C	Solids, Total Dissolved (TDS)	SM	XEN MID

Protocol References:

MCAWW = "Methods For Chemical Analysis Of Water And Wastes", EPA-600/4-79-020, March 1983 And Subsequent Revisions.

SM = "Standard Methods For The Examination Of Water And Wastewater"

Laboratory References:

XEN MID = Eurofins Xenco, Midland, 1211 W. Florida Ave, Midland, TX 79701, TEL (432)704-5440

Sample Summary

Client: GHD Services Inc.
Project/Site: Dollarhide

Job ID: 880-4302-1
SDG: 055270

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
880-4302-1	NM-MW-7-W-212307	Water	07/23/21 09:49	07/23/21 14:30
880-4302-2	RRR-Ranch Windmill-W-212307	Water	07/23/21 10:10	07/23/21 14:30
880-4302-3	NM-MW-4-W-212307	Water	07/23/21 10:30	07/23/21 14:30
880-4302-4	NM-MW-8-W-212307	Water	07/23/21 10:45	07/23/21 14:30
880-4302-5	NM-MW-3-W-212307	Water	07/23/21 11:10	07/23/21 14:30
880-4302-6	NM-MW-2-W-212307	Water	07/23/21 11:20	07/23/21 14:30
880-4302-7	NM-MW-1-W-212307	Water	07/23/21 11:35	07/23/21 14:30
880-4302-8	NM-MW-5-W-212307	Water	07/23/21 11:50	07/23/21 14:30
880-4302-9	NM-MW-6-W-212307	Water	07/23/21 12:00	07/23/21 14:30
880-4302-10	NM-MW-10-W-212307	Water	07/23/21 12:20	07/23/21 14:30

XENCO LABORATORIES

Chain

Houston TX (281) 240-4200 Dallas TX (214
Midland TX (432-704-5440) EL Paso TX (
Hobbs NM (575-392-7550) Phoenix,AZ (480-355-0900)

880-4302 Chain of Custody

Work Order No: 4802

www.xenco.com Page 1 of 1

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

Program: UST/PST ☐ PRP ☐ Brownfields ☐ RRC ☐ Superfund ☐

State of Project:

Reporting Level II Level III ☐ PST/UST ☐ TRRP ☑ Level IV ☐

Deliverables EDD ☐ ADaPT ☐ Other

Project Name	Dollarhide	Turn Around	
Project Number	55270	Routine	☒
P O Number	34032659	Rush	
Sampler's Name	David Fletcher Joe Mireles	Due Date	

SAMPLE RECEIPT			
Temp Blank.	Yes (No)	Wet Ice	(Yes) No
Temperature (°C)	5.0	Thermometer ID	160
Received Intact.	(Yes) No		
Cooler Custody Seals	Yes No (N/A)	Correction Factor	0.5
Sample Custody Seals	Yes No (N/A)	Total Containers	

Sample Identification	Matrix	Date Sampled	Time Sampled	Depth	Number of Containers	Chlorides	TDS
NM-MW-7-W-212307	GW	7-23	0949	—	1	X	X
RRR Ranch Windmill-W-212307	GW	7-23	1010	—	1	X	X
NM-MW-4-W-212307	GW	7-23	1030	—	1	X	X
NM-MW-8-W-212307	GW	7-23	1045	—	1	X	X
NM-MW-3-W-212307	GW	7-23	1110	—	1	X	X
NM-MW-2-W-212307	G	7-23	1120	—	1	X	X
NM-MW-1-W-212307	G	7-23	1135	—	1	X	X
NM-MW-5-W-212307	G	7-23	1150	—	1	X	X
NM-MW-6-W-212307	G	7-23	1200	—	1	X	X
NM-MW-10-W-212307	G	7-23	1220	—	1	X	X

ANALYSIS REQUEST

Work Order Notes

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

Sample Comments

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

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

Relinquished by (Signature)	Received by (Signature)	Date/Time	Relinquished by (Signature)	Received by (Signature)	Date/Time
1 Joe Mireles		7/28/21	2		
3			4		
5		1428	6		

Revised Date 051418 Rev 2018.1

8/6/2021

Login Sample Receipt Checklist

Client: GHD Services Inc.

Job Number: 880-4302-1
SDG Number: 055270

Login Number: 4302
List Number: 1
Creator: Teel, Brianna

List Source: Eurofins Xenco, Midland

Question	Answer	Comment
The cooler's custody seal, if present, is intact.	N/A	
Sample custody seals, if present, are intact.	N/A	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	N/A	

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ANALYTICAL REPORT

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

Laboratory Job ID: 880-4416-1
Client Project/Site: Dollarhide

For:
GHD Services Inc.
2135 South Loop 250 West
Midland, Texas 79703

Attn: Christopher Knight

Authorized for release by:
8/10/2021 4:39:29 PM

Debbie Simmons, Project Manager
(281)240-4200
debbie.simmons@eurofinset.com

Client: GHD Services Inc.
Project/Site: Dollarhide

Laboratory Job ID: 880-4416-1

Table of Contents

Definitions/Glossary

Client: GHD Services Inc. Job ID: 880-4416-1
Project/Site: Dollarhide

Qualifiers

HPLC/IC

Qualifier	Qualifier Description
4	MS, MSD: The analyte present in the original sample is greater than 4 times the matrix spike concentration; therefore, control limits are not applicable.
E	Result is greater then the UQL and the concentration is an estimated value.
N1	MS, MSD: Spike recovery exceeds upper or lower control limits.
U	Analyte was not detected at or above the SDL.

General Chemistry

Qualifier	Qualifier Description
U	Analyte was not detected at or above the SDL.

Glossary

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

Case Narrative

Client: GHD Services Inc.
Project/Site: Dollarhide

Job ID: 880-4416-1

Job ID: 880-4416-1

Laboratory: Eurofins Xenco, Midland

Narrative

Job Narrative
880-4416-1

Receipt
The samples were received on 7/28/2021 8:08 AM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 1.6°C

HPLC/IC
Method 300_ORGFM_28D: The matrix spike duplicate (MSD) recovery for analytical batch 880-6013 was outside control limits. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample (LCS) recovery was within acceptance limits.

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

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

Client Sample Results

Client: GHD Services Inc. Job ID: 880-4416-1
Project/Site: Dollarhide

Client Sample ID: NM-MW-14-212607 Lab Sample ID: 880-4416-1

Date Collected: 07/26/21 10:10 **Matrix: Water**
Date Received: 07/28/21 08:08

Method: 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	28.4		2.50	0.105	mg/L			08/04/21 09:12	5

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	500		50.0	50.0	mg/L			08/01/21 13:24	1

Client Sample ID: NM-MW-9-212607 Lab Sample ID: 880-4416-2

Date Collected: 07/26/21 10:20 **Matrix: Water**
Date Received: 07/28/21 08:08

Method: 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	258		2.50	0.105	mg/L			08/04/21 09:29	5

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	808		50.0	50.0	mg/L			08/01/21 13:24	1

Client Sample ID: Wilson Ranch Well-W-212607 Lab Sample ID: 880-4416-3

Date Collected: 07/26/21 13:15 **Matrix: Water**
Date Received: 07/28/21 08:08

Method: 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	1070		10.0	0.421	mg/L			08/04/21 09:34	20

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	1970		100	100	mg/L			08/01/21 13:24	1

Client Sample ID: Smith Residence-W-212606 Lab Sample ID: 880-4416-4

Date Collected: 07/26/21 11:33 **Matrix: Water**
Date Received: 07/28/21 08:08

Method: 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	1040		10.0	0.421	mg/L			08/04/21 09:39	20

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	1880		100	100	mg/L			08/01/21 13:24	1

Client Sample ID: 58-B3-MW-W-212607 Lab Sample ID: 880-4416-5

Date Collected: 07/26/21 13:50 **Matrix: Water**
Date Received: 07/28/21 08:08

Method: 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	1730		25.0	1.05	mg/L			08/04/21 09:45	50

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	2890		200	200	mg/L			08/01/21 13:24	1

Eurofins Xenco, Midland

Client Sample Results

Client: GHD Services Inc. Job ID: 880-4416-1
Project/Site: Dollarhide

Client Sample ID: MW-29-W-212607 Lab Sample ID: 880-4416-6

Date Collected: 07/26/21 11:51 **Matrix: Water**
Date Received: 07/28/21 08:08

Method: 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	605		5.00	0.210	mg/L			08/04/21 11:06	10

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	1290		100	100	mg/L			08/01/21 13:24	1

Client Sample ID: MW-28-W-212607 Lab Sample ID: 880-4416-7

Date Collected: 07/26/21 15:30 **Matrix: Water**
Date Received: 07/28/21 08:08

Method: 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	2710		25.0	1.05	mg/L			08/04/21 11:11	50

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	6890		500	500	mg/L			08/01/21 13:24	1

Client Sample ID: 43-K-1-MW-W-212707 Lab Sample ID: 880-4416-8

Date Collected: 07/27/21 09:30 **Matrix: Water**
Date Received: 07/28/21 08:08

Method: 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	5530		25.0	1.05	mg/L			08/04/21 11:17	50

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	9980		500	500	mg/L			08/01/21 13:24	1

Client Sample ID: 45-E-3-MW-W-212707 Lab Sample ID: 880-4416-9

Date Collected: 07/27/21 09:40 **Matrix: Water**
Date Received: 07/28/21 08:08

Method: 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	2540		25.0	1.05	mg/L			08/04/21 11:22	50

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	8230		500	500	mg/L			08/01/21 13:24	1

Client Sample ID: 58-B-2-MW-W2-212707 Lab Sample ID: 880-4416-10

Date Collected: 07/27/21 09:50 **Matrix: Water**
Date Received: 07/28/21 08:08

Method: 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	2300		25.0	1.05	mg/L			08/04/21 11:27	50

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	6480		500	500	mg/L			08/01/21 13:24	1

Eurofins Xenco, Midland

Client Sample Results

Client: GHD Services Inc. Job ID: 880-4416-1
Project/Site: Dollarhide

Client Sample ID: 58-B-1-MW-W-212707 Lab Sample ID: 880-4416-11

Date Collected: 07/27/21 10:05 **Matrix: Water**
Date Received: 07/28/21 08:08

Method: 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	6730		25.0	1.05	mg/L			08/04/21 11:33	50

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	10900		500	500	mg/L			08/01/21 13:24	1

Client Sample ID: MW-9-W-212707 Lab Sample ID: 880-4416-12

Date Collected: 07/27/21 10:20 **Matrix: Water**
Date Received: 07/28/21 08:08

Method: 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	2740		25.0	1.05	mg/L			08/04/21 11:49	50

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	4510		200	200	mg/L			08/01/21 13:24	1

Client Sample ID: MW-8-W-212707 Lab Sample ID: 880-4416-13

Date Collected: 07/27/21 10:35 **Matrix: Water**
Date Received: 07/28/21 08:08

Method: 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	1080		10.0	0.421	mg/L			08/04/21 11:54	20

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	2500		200	200	mg/L			08/01/21 13:24	1

Client Sample ID: MW-27-W-212707 Lab Sample ID: 880-4416-14

Date Collected: 07/27/21 11:00 **Matrix: Water**
Date Received: 07/28/21 08:08

Method: 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	2330		25.0	1.05	mg/L			08/04/21 12:11	50

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	4060		200	200	mg/L			08/01/21 13:24	1

Client Sample ID: MW-20-W-212707 Lab Sample ID: 880-4416-15

Date Collected: 07/27/21 11:15 **Matrix: Water**
Date Received: 07/28/21 08:08

Method: 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	1310		10.0	0.421	mg/L			08/04/21 12:16	20

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	3250		200	200	mg/L			08/01/21 13:24	1

Eurofins Xenco, Midland

Client Sample Results

Client: GHD Services Inc. Job ID: 880-4416-1
Project/Site: Dollarhide

Client Sample ID: 45-F-1-MW-W-212707 Lab Sample ID: 880-4416-16

Date Collected: 07/27/21 11:25 Matrix: Water
Date Received: 07/28/21 08:08

Method: 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	1140		10.0	0.421	mg/L			08/04/21 12:21	20

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	1970		100	100	mg/L			08/01/21 13:24	1

Client Sample ID: 45-FF-MW-W-212707 Lab Sample ID: 880-4416-17

Date Collected: 07/27/21 11:35 Matrix: Water
Date Received: 07/28/21 08:08

Method: 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	3750		25.0	1.05	mg/L			08/04/21 12:27	50

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	9810		500	500	mg/L			08/01/21 13:24	1

Client Sample ID: 45-E-1-MW-W-212707 Lab Sample ID: 880-4416-18

Date Collected: 07/27/21 11:45 Matrix: Water
Date Received: 07/28/21 08:08

Method: 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	3500		25.0	1.05	mg/L			08/04/21 12:32	50

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	9750		500	500	mg/L			08/01/21 13:24	1

Client Sample ID: 45-E-2-MW-W-212707 Lab Sample ID: 880-4416-19

Date Collected: 07/27/21 11:55 Matrix: Water
Date Received: 07/28/21 08:08

Method: 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	1710		25.0	1.05	mg/L			08/04/21 12:38	50

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	3070		200	200	mg/L			08/01/21 13:24	1

Client Sample ID: 44-I-1-MW-W-212707 Lab Sample ID: 880-4416-20

Date Collected: 07/27/21 12:10 Matrix: Water
Date Received: 07/28/21 08:08

Method: 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	3920		25.0	1.05	mg/L			08/04/21 12:43	50

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	9550		500	500	mg/L			08/01/21 13:24	1

Eurofins Xenco, Midland

Client Sample Results

Client: GHD Services Inc. Job ID: 880-4416-1
Project/Site: Dollarhide

Client Sample ID: 44-J-1-MW-W-212707 Lab Sample ID: 880-4416-21

Date Collected: 07/27/21 12:20 Matrix: Water
Date Received: 07/28/21 08:08

Method: 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	4900		25.0	1.05	mg/L			08/04/21 13:06	50

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	8790		500	500	mg/L			08/01/21 15:24	1

Client Sample ID: 44-J-5-MW-W-212707 Lab Sample ID: 880-4416-22

Date Collected: 07/27/21 12:30 Matrix: Water
Date Received: 07/28/21 08:08

Method: 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	4440		25.0	1.05	mg/L			08/04/21 13:22	50

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	8610		500	500	mg/L			08/01/21 15:24	1

Client Sample ID: 44-J-4-MW-W-212707 Lab Sample ID: 880-4416-23

Date Collected: 07/27/21 12:40 Matrix: Water
Date Received: 07/28/21 08:08

Method: 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	4470		25.0	1.05	mg/L			08/04/21 13:28	50

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	7910		500	500	mg/L			08/01/21 15:24	1

Client Sample ID: 44-J-3-MW-W-212707 Lab Sample ID: 880-4416-24

Date Collected: 07/27/21 12:50 Matrix: Water
Date Received: 07/28/21 08:08

Method: 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	5420		25.0	1.05	mg/L			08/04/21 13:33	50

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	9470		500	500	mg/L			08/01/21 15:24	1

Client Sample ID: 44-J-2-MW-W-212707 Lab Sample ID: 880-4416-25

Date Collected: 07/27/21 13:00 Matrix: Water
Date Received: 07/28/21 08:08

Method: 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	5090		25.0	1.05	mg/L			08/04/21 13:39	50

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	8840		500	500	mg/L			08/01/21 15:24	1

Eurofins Xenco, Midland

Client Sample Results

Client: GHD Services Inc. Job ID: 880-4416-1
Project/Site: Dollarhide

Client Sample ID: MW-19-W-212707 Lab Sample ID: 880-4416-26

Date Collected: 07/27/21 14:20 Matrix: Water
Date Received: 07/28/21 08:08

Method: 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	8030		50.0	2.10	mg/L			08/04/21 13:55	100

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	14300		500	500	mg/L			08/01/21 15:24	1

Client Sample ID: MW-18-W-212707 Lab Sample ID: 880-4416-27

Date Collected: 07/27/21 14:40 Matrix: Water
Date Received: 07/28/21 08:08

Method: 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	25100		100	4.21	mg/L			08/04/21 14:01	200

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	34300		1000	1000	mg/L			08/01/21 15:24	1

Client Sample ID: MW-18-WD-212707 Lab Sample ID: 880-4416-28

Date Collected: 07/27/21 14:45 Matrix: Water
Date Received: 07/28/21 08:08

Method: 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	22600		100	4.21	mg/L			08/05/21 12:26	200

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	34400		1000	1000	mg/L			08/01/21 15:24	1

Client Sample ID: MW-12-W-212707 Lab Sample ID: 880-4416-29

Date Collected: 07/27/21 14:55 Matrix: Water
Date Received: 07/28/21 08:08

Method: 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	13600		50.0	2.10	mg/L			08/05/21 12:32	100

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	23600		1000	1000	mg/L			08/01/21 15:24	1

Client Sample ID: MW-31-W-212707 Lab Sample ID: 880-4416-30

Date Collected: 07/27/21 15:05 Matrix: Water
Date Received: 07/28/21 08:08

Method: 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	7790		50.0	2.10	mg/L			08/04/21 14:17	100

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	17900		500	500	mg/L			08/01/21 15:24	1

Client Sample Results

Client: GHD Services Inc. Job ID: 880-4416-1
Project/Site: Dollarhide

Client Sample ID: MW-10-W-212707 Lab Sample ID: 880-4416-31

Date Collected: 07/27/21 15:15 **Matrix: Water**
Date Received: 07/28/21 08:08

Method: 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	4980		25.0	1.05	mg/L			08/04/21 14:23	50

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	8180		500	500	mg/L			08/01/21 15:24	1

Client Sample ID: MW-24-W-212707 Lab Sample ID: 880-4416-32

Date Collected: 07/27/21 15:40 **Matrix: Water**
Date Received: 07/28/21 08:08

Method: 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	4340		25.0	1.05	mg/L			08/04/21 14:39	50

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	8770		500	500	mg/L			08/01/21 15:24	1

Client Sample ID: MW-25-W-212707 Lab Sample ID: 880-4416-33

Date Collected: 07/27/21 15:55 **Matrix: Water**
Date Received: 07/28/21 08:08

Method: 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	23200		100	4.21	mg/L			08/04/21 14:45	200

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	37300		1000	1000	mg/L			08/01/21 15:24	1

Client Sample ID: MW-11-W-212707 Lab Sample ID: 880-4416-34

Date Collected: 07/27/21 16:00 **Matrix: Water**
Date Received: 07/28/21 08:08

Method: 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	7540		50.0	2.10	mg/L			08/04/21 15:01	100

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	13100		500	500	mg/L			08/01/21 15:24	1

Client Sample ID: MW-6-W-212707 Lab Sample ID: 880-4416-35

Date Collected: 07/27/21 16:10 **Matrix: Water**
Date Received: 07/28/21 08:08

Method: 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	412		5.00	0.210	mg/L			08/04/21 15:07	10

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	1470		100	100	mg/L			08/01/21 15:24	1

Eurofins Xenco, Midland

Client Sample Results

Client: GHD Services Inc.
Project/Site: Dollarhide

Job ID: 880-4416-1

Client Sample ID: MW-26-W-212707
Date Collected: 07/27/21 15:30
Date Received: 07/28/21 08:08

Lab Sample ID: 880-4416-36
Matrix: Water

Method: 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	1490		25.0	1.05	mg/L			08/04/21 15:12	50

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	3180		200	200	mg/L			08/01/21 15:24	1

QC Sample Results

Client: GHD Services Inc.
Project/Site: Dollarhide

Job ID: 880-4416-1

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-6012/3
Matrix: Water
Analysis Batch: 6012

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<0.0210	U	0.500	0.0210	mg/L			08/04/21 08:56	1

Lab Sample ID: LCS 880-6012/4
Matrix: Water
Analysis Batch: 6012

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Chloride	25.0	23.75		mg/L		95	90 - 110

Lab Sample ID: LCSD 880-6012/5
Matrix: Water
Analysis Batch: 6012

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

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Chloride	25.0	23.85		mg/L		95	90 - 110	0	20

Lab Sample ID: 880-4416-1 MS
Matrix: Water
Analysis Batch: 6012

Client Sample ID: NM-MW-14-212607
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Chloride	28.4		125	158.5		mg/L		104	90 - 110

Lab Sample ID: 880-4416-1 MSD
Matrix: Water
Analysis Batch: 6012

Client Sample ID: NM-MW-14-212607
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Chloride	28.4		125	158.5		mg/L		104	90 - 110	0	20

Lab Sample ID: 880-4416-11 MS
Matrix: Water
Analysis Batch: 6012

Client Sample ID: 58-B-1-MW-W-212707
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Chloride	6730		1250	8170	E 4	mg/L		115	90 - 110

Lab Sample ID: 880-4416-11 MSD
Matrix: Water
Analysis Batch: 6012

Client Sample ID: 58-B-1-MW-W-212707
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Chloride	6730		1250	8226	E 4	mg/L		119	90 - 110	1	20

Lab Sample ID: MB 880-6013/3
Matrix: Water
Analysis Batch: 6013

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<0.0210	U	0.500	0.0210	mg/L			08/04/21 12:49	1

QC Sample Results

Client: GHD Services Inc.
Project/Site: Dollarhide

Job ID: 880-4416-1

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: LCS 880-6013/4
Matrix: Water
Analysis Batch: 6013

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

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
Chloride			25.0	23.70		mg/L		95	90 - 110		

Lab Sample ID: LCSD 880-6013/5
Matrix: Water
Analysis Batch: 6013

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

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Chloride			25.0	23.71		mg/L		95	90 - 110	0	20

Lab Sample ID: 880-4416-21 MS
Matrix: Water
Analysis Batch: 6013

Client Sample ID: 44-J-1-MW-W-212707
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits		
Chloride	4900		1250	6098		mg/L		96	90 - 110		

Lab Sample ID: 880-4416-21 MSD
Matrix: Water
Analysis Batch: 6013

Client Sample ID: 44-J-1-MW-W-212707
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Chloride	4900		1250	6092		mg/L		95	90 - 110	0	20

Lab Sample ID: 880-4416-31 MS
Matrix: Water
Analysis Batch: 6013

Client Sample ID: MW-10-W-212707
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits		
Chloride	4980		1250	6122		mg/L		92	90 - 110		

Lab Sample ID: 880-4416-31 MSD
Matrix: Water
Analysis Batch: 6013

Client Sample ID: MW-10-W-212707
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Chloride	4980		1250	6387	N1	mg/L		113	90 - 110	4	20

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

Lab Sample ID: MB 880-6052/1
Matrix: Water
Analysis Batch: 6052

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	<25.0	U	25.0	25.0	mg/L			08/01/21 13:24	1

QC Sample Results

Client: GHD Services Inc.
Project/Site: Dollarhide

Job ID: 880-4416-1

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

Lab Sample ID: LCS 880-6052/2
Matrix: Water
Analysis Batch: 6052

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

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
Total Dissolved Solids			1000	997.0		mg/L		100	80 - 120		

Lab Sample ID: LCSD 880-6052/3
Matrix: Water
Analysis Batch: 6052

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

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Total Dissolved Solids			1000	993.0		mg/L		99	80 - 120	0	10

Lab Sample ID: 880-4416-1 DU
Matrix: Water
Analysis Batch: 6052

Client Sample ID: NM-MW-14-212607
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier		DU Result	DU Qualifier	Unit	D			RPD	RPD Limit
Total Dissolved Solids	500			501.0		mg/L				0.2	10

Lab Sample ID: 880-4416-11 DU
Matrix: Water
Analysis Batch: 6052

Client Sample ID: 58-B-1-MW-W-212707
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier		DU Result	DU Qualifier	Unit	D			RPD	RPD Limit
Total Dissolved Solids	10900			11080		mg/L				2	10

Lab Sample ID: MB 880-6057/1
Matrix: Water
Analysis Batch: 6057

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	<25.0	U	25.0	25.0	mg/L			08/01/21 15:24	1

Lab Sample ID: 880-4416-21 DU
Matrix: Water
Analysis Batch: 6057

Client Sample ID: 44-J-1-MW-W-212707
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier		DU Result	DU Qualifier	Unit	D			RPD	RPD Limit
Total Dissolved Solids	8790			8790		mg/L				0	10

Lab Sample ID: 880-4416-31 DU
Matrix: Water
Analysis Batch: 6057

Client Sample ID: MW-10-W-212707
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier		DU Result	DU Qualifier	Unit	D			RPD	RPD Limit
Total Dissolved Solids	8180			8160		mg/L				0.2	10

QC Association Summary

Client: GHD Services Inc.
Project/Site: Dollarhide

Job ID: 880-4416-1

HPLC/IC

Analysis Batch: 6012

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-4416-1	NM-MW-14-212607	Total/NA	Water	300.0	
880-4416-2	NM-MW-9-212607	Total/NA	Water	300.0	
880-4416-3	Wilson Ranch Well-W-212607	Total/NA	Water	300.0	
880-4416-4	Smith Residence-W-212606	Total/NA	Water	300.0	
880-4416-5	58-B3-MW-W-212607	Total/NA	Water	300.0	
880-4416-6	MW-29-W-212607	Total/NA	Water	300.0	
880-4416-7	MW-28-W-212607	Total/NA	Water	300.0	
880-4416-8	43-K-1-MW-W-212707	Total/NA	Water	300.0	
880-4416-9	45-E-3-MW-W-212707	Total/NA	Water	300.0	
880-4416-10	58-B-2-MW-W2-212707	Total/NA	Water	300.0	
880-4416-11	58-B-1-MW-W-212707	Total/NA	Water	300.0	
880-4416-12	MW-9-W-212707	Total/NA	Water	300.0	
880-4416-13	MW-8-W-212707	Total/NA	Water	300.0	
880-4416-14	MW-27-W-212707	Total/NA	Water	300.0	
880-4416-15	MW-20-W-212707	Total/NA	Water	300.0	
880-4416-16	45-F-1-MW-W-212707	Total/NA	Water	300.0	
880-4416-17	45-FF-MW-W-212707	Total/NA	Water	300.0	
880-4416-18	45-E-1-MW-W-212707	Total/NA	Water	300.0	
880-4416-19	45-E-2-MW-W-212707	Total/NA	Water	300.0	
880-4416-20	44-I-1-MW-W-212707	Total/NA	Water	300.0	
MB 880-6012/3	Method Blank	Total/NA	Water	300.0	
LCS 880-6012/4	Lab Control Sample	Total/NA	Water	300.0	
LCSD 880-6012/5	Lab Control Sample Dup	Total/NA	Water	300.0	
880-4416-1 MS	NM-MW-14-212607	Total/NA	Water	300.0	
880-4416-1 MSD	NM-MW-14-212607	Total/NA	Water	300.0	
880-4416-11 MS	58-B-1-MW-W-212707	Total/NA	Water	300.0	
880-4416-11 MSD	58-B-1-MW-W-212707	Total/NA	Water	300.0	

Analysis Batch: 6013

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-4416-21	44-J-1-MW-W-212707	Total/NA	Water	300.0	
880-4416-22	44-J-5-MW-W-212707	Total/NA	Water	300.0	
880-4416-23	44-J-4-MW-W-212707	Total/NA	Water	300.0	
880-4416-24	44-J-3-MW-W-212707	Total/NA	Water	300.0	
880-4416-25	44-J-2-MW-W-212707	Total/NA	Water	300.0	
880-4416-26	MW-19-W-212707	Total/NA	Water	300.0	
880-4416-27	MW-18-W-212707	Total/NA	Water	300.0	
880-4416-28	MW-18-WD-212707	Total/NA	Water	300.0	
880-4416-29	MW-12-W-212707	Total/NA	Water	300.0	
880-4416-30	MW-31-W-212707	Total/NA	Water	300.0	
880-4416-31	MW-10-W-212707	Total/NA	Water	300.0	
880-4416-32	MW-24-W-212707	Total/NA	Water	300.0	
880-4416-33	MW-25-W-212707	Total/NA	Water	300.0	
880-4416-34	MW-11-W-212707	Total/NA	Water	300.0	
880-4416-35	MW-6-W-212707	Total/NA	Water	300.0	
880-4416-36	MW-26-W-212707	Total/NA	Water	300.0	
MB 880-6013/3	Method Blank	Total/NA	Water	300.0	
LCS 880-6013/4	Lab Control Sample	Total/NA	Water	300.0	
LCSD 880-6013/5	Lab Control Sample Dup	Total/NA	Water	300.0	
880-4416-21 MS	44-J-1-MW-W-212707	Total/NA	Water	300.0	
880-4416-21 MSD	44-J-1-MW-W-212707	Total/NA	Water	300.0	

QC Association Summary

Client: GHD Services Inc.
Project/Site: Dollarhide

Job ID: 880-4416-1

HPLC/IC (Continued)

Analysis Batch: 6013 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-4416-31 MS	MW-10-W-212707	Total/NA	Water	300.0	
880-4416-31 MSD	MW-10-W-212707	Total/NA	Water	300.0	

General Chemistry

Analysis Batch: 6052

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-4416-1	NM-MW-14-212607	Total/NA	Water	SM 2540C	
880-4416-2	NM-MW-9-212607	Total/NA	Water	SM 2540C	
880-4416-3	Wilson Ranch Well-W-212607	Total/NA	Water	SM 2540C	
880-4416-4	Smith Residence-W-212606	Total/NA	Water	SM 2540C	
880-4416-5	58-B3-MW-W-212607	Total/NA	Water	SM 2540C	
880-4416-6	MW-29-W-212607	Total/NA	Water	SM 2540C	
880-4416-7	MW-28-W-212607	Total/NA	Water	SM 2540C	
880-4416-8	43-K-1-MW-W-212707	Total/NA	Water	SM 2540C	
880-4416-9	45-E-3-MW-W-212707	Total/NA	Water	SM 2540C	
880-4416-10	58-B-2-MW-W2-212707	Total/NA	Water	SM 2540C	
880-4416-11	58-B-1-MW-W-212707	Total/NA	Water	SM 2540C	
880-4416-12	MW-9-W-212707	Total/NA	Water	SM 2540C	
880-4416-13	MW-8-W-212707	Total/NA	Water	SM 2540C	
880-4416-14	MW-27-W-212707	Total/NA	Water	SM 2540C	
880-4416-15	MW-20-W-212707	Total/NA	Water	SM 2540C	
880-4416-16	45-F-1-MW-W-212707	Total/NA	Water	SM 2540C	
880-4416-17	45-FF-MW-W-212707	Total/NA	Water	SM 2540C	
880-4416-18	45-E-1-MW-W-212707	Total/NA	Water	SM 2540C	
880-4416-19	45-E-2-MW-W-212707	Total/NA	Water	SM 2540C	
880-4416-20	44-I-1-MW-W-212707	Total/NA	Water	SM 2540C	
MB 880-6052/1	Method Blank	Total/NA	Water	SM 2540C	
LCS 880-6052/2	Lab Control Sample	Total/NA	Water	SM 2540C	
LCSD 880-6052/3	Lab Control Sample Dup	Total/NA	Water	SM 2540C	
880-4416-1 DU	NM-MW-14-212607	Total/NA	Water	SM 2540C	
880-4416-11 DU	58-B-1-MW-W-212707	Total/NA	Water	SM 2540C	

Analysis Batch: 6057

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-4416-21	44-J-1-MW-W-212707	Total/NA	Water	SM 2540C	
880-4416-22	44-J-5-MW-W-212707	Total/NA	Water	SM 2540C	
880-4416-23	44-J-4-MW-W-212707	Total/NA	Water	SM 2540C	
880-4416-24	44-J-3-MW-W-212707	Total/NA	Water	SM 2540C	
880-4416-25	44-J-2-MW-W-212707	Total/NA	Water	SM 2540C	
880-4416-26	MW-19-W-212707	Total/NA	Water	SM 2540C	
880-4416-27	MW-18-W-212707	Total/NA	Water	SM 2540C	
880-4416-28	MW-18-WD-212707	Total/NA	Water	SM 2540C	
880-4416-29	MW-12-W-212707	Total/NA	Water	SM 2540C	
880-4416-30	MW-31-W-212707	Total/NA	Water	SM 2540C	
880-4416-31	MW-10-W-212707	Total/NA	Water	SM 2540C	
880-4416-32	MW-24-W-212707	Total/NA	Water	SM 2540C	
880-4416-33	MW-25-W-212707	Total/NA	Water	SM 2540C	
880-4416-34	MW-11-W-212707	Total/NA	Water	SM 2540C	
880-4416-35	MW-6-W-212707	Total/NA	Water	SM 2540C	
880-4416-36	MW-26-W-212707	Total/NA	Water	SM 2540C	

QC Association Summary

Client: GHD Services Inc.
Project/Site: Dollarhide

Job ID: 880-4416-1

General Chemistry (Continued)

Analysis Batch: 6057 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 880-6057/1	Method Blank	Total/NA	Water	SM 2540C	
LCS 880-6057/2	Lab Control Sample	Total/NA	Water	SM 2540C	
LCSD 880-6057/3	Lab Control Sample Dup	Total/NA	Water	SM 2540C	
880-4416-21 DU	44-J-1-MW-W-212707	Total/NA	Water	SM 2540C	
880-4416-31 DU	MW-10-W-212707	Total/NA	Water	SM 2540C	

Lab Chronicle

Client: GHD Services Inc.
Project/Site: Dollarhide

Job ID: 880-4416-1

Client Sample ID: NM-MW-14-212607

Lab Sample ID: 880-4416-1
Matrix: Water
Date Collected: 07/26/21 10:10
Date Received: 07/28/21 08:08

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	300.0		5			6012	08/04/21 09:12	CH	XEN MID
Total/NA	Analysis	SM 2540C		1	100 mL	200 mL	6052	08/01/21 13:24	SC	XEN MID

Client Sample ID: NM-MW-9-212607

Lab Sample ID: 880-4416-2
Matrix: Water
Date Collected: 07/26/21 10:20
Date Received: 07/28/21 08:08

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	300.0		5			6012	08/04/21 09:29	CH	XEN MID
Total/NA	Analysis	SM 2540C		1	100 mL	200 mL	6052	08/01/21 13:24	SC	XEN MID

Client Sample ID: Wilson Ranch Well-W-212607

Lab Sample ID: 880-4416-3
Matrix: Water
Date Collected: 07/26/21 13:15
Date Received: 07/28/21 08:08

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	300.0		20			6012	08/04/21 09:34	CH	XEN MID
Total/NA	Analysis	SM 2540C		1	50 mL	200 mL	6052	08/01/21 13:24	SC	XEN MID

Client Sample ID: Smith Residence-W-212606

Lab Sample ID: 880-4416-4
Matrix: Water
Date Collected: 07/26/21 11:33
Date Received: 07/28/21 08:08

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	300.0		20			6012	08/04/21 09:39	CH	XEN MID
Total/NA	Analysis	SM 2540C		1	50 mL	200 mL	6052	08/01/21 13:24	SC	XEN MID

Client Sample ID: 58-B3-MW-W-212607

Lab Sample ID: 880-4416-5
Matrix: Water
Date Collected: 07/26/21 13:50
Date Received: 07/28/21 08:08

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	300.0		50			6012	08/04/21 09:45	CH	XEN MID
Total/NA	Analysis	SM 2540C		1	25 mL	200 mL	6052	08/01/21 13:24	SC	XEN MID

Client Sample ID: MW-29-W-212607

Lab Sample ID: 880-4416-6
Matrix: Water
Date Collected: 07/26/21 11:51
Date Received: 07/28/21 08:08

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	300.0		10			6012	08/04/21 11:06	CH	XEN MID
Total/NA	Analysis	SM 2540C		1	50 mL	200 mL	6052	08/01/21 13:24	SC	XEN MID

Lab Chronicle

Client: GHD Services Inc.
Project/Site: Dollarhide

Job ID: 880-4416-1

Client Sample ID: MW-28-W-212607 — Lab Sample ID: 880-4416-7

Date Collected: 07/26/21 15:30 — **Matrix: Water**
Date Received: 07/28/21 08:08

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	300.0		50			6012	08/04/21 11:11	CH	XEN MID
Total/NA	Analysis	SM 2540C		1	10 mL	200 mL	6052	08/01/21 13:24	SC	XEN MID

Client Sample ID: 43-K-1-MW-W-212707 — Lab Sample ID: 880-4416-8

Date Collected: 07/27/21 09:30 — **Matrix: Water**
Date Received: 07/28/21 08:08

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	300.0		50			6012	08/04/21 11:17	CH	XEN MID
Total/NA	Analysis	SM 2540C		1	10 mL	200 mL	6052	08/01/21 13:24	SC	XEN MID

Client Sample ID: 45-E-3-MW-W-212707 — Lab Sample ID: 880-4416-9

Date Collected: 07/27/21 09:40 — **Matrix: Water**
Date Received: 07/28/21 08:08

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	300.0		50			6012	08/04/21 11:22	CH	XEN MID
Total/NA	Analysis	SM 2540C		1	10 mL	200 mL	6052	08/01/21 13:24	SC	XEN MID

Client Sample ID: 58-B-2-MW-W2-212707 — Lab Sample ID: 880-4416-10

Date Collected: 07/27/21 09:50 — **Matrix: Water**
Date Received: 07/28/21 08:08

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	300.0		50			6012	08/04/21 11:27	CH	XEN MID
Total/NA	Analysis	SM 2540C		1	10 mL	200 mL	6052	08/01/21 13:24	SC	XEN MID

Client Sample ID: 58-B-1-MW-W-212707 — Lab Sample ID: 880-4416-11

Date Collected: 07/27/21 10:05 — **Matrix: Water**
Date Received: 07/28/21 08:08

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	300.0		50			6012	08/04/21 11:33	CH	XEN MID
Total/NA	Analysis	SM 2540C		1	10 mL	200 mL	6052	08/01/21 13:24	SC	XEN MID

Client Sample ID: MW-9-W-212707 — Lab Sample ID: 880-4416-12

Date Collected: 07/27/21 10:20 — **Matrix: Water**
Date Received: 07/28/21 08:08

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	300.0		50			6012	08/04/21 11:49	CH	XEN MID
Total/NA	Analysis	SM 2540C		1	25 mL	200 mL	6052	08/01/21 13:24	SC	XEN MID

Lab Chronicle

Client: GHD Services Inc.
Project/Site: Dollarhide

Job ID: 880-4416-1

Client Sample ID: MW-8-W-212707 — Lab Sample ID: 880-4416-13

Date Collected: 07/27/21 10:35 — **Matrix: Water**
Date Received: 07/28/21 08:08

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	300.0		20			6012	08/04/21 11:54	CH	XEN MID
Total/NA	Analysis	SM 2540C		1	25 mL	200 mL	6052	08/01/21 13:24	SC	XEN MID

Client Sample ID: MW-27-W-212707 — Lab Sample ID: 880-4416-14

Date Collected: 07/27/21 11:00 — **Matrix: Water**
Date Received: 07/28/21 08:08

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	300.0		50			6012	08/04/21 12:11	CH	XEN MID
Total/NA	Analysis	SM 2540C		1	25 mL	200 mL	6052	08/01/21 13:24	SC	XEN MID

Client Sample ID: MW-20-W-212707 — Lab Sample ID: 880-4416-15

Date Collected: 07/27/21 11:15 — **Matrix: Water**
Date Received: 07/28/21 08:08

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	300.0		20			6012	08/04/21 12:16	CH	XEN MID
Total/NA	Analysis	SM 2540C		1	25 mL	200 mL	6052	08/01/21 13:24	SC	XEN MID

Client Sample ID: 45-F-1-MW-W-212707 — Lab Sample ID: 880-4416-16

Date Collected: 07/27/21 11:25 — **Matrix: Water**
Date Received: 07/28/21 08:08

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	300.0		20			6012	08/04/21 12:21	CH	XEN MID
Total/NA	Analysis	SM 2540C		1	50 mL	200 mL	6052	08/01/21 13:24	SC	XEN MID

Client Sample ID: 45-FF-MW-W-212707 — Lab Sample ID: 880-4416-17

Date Collected: 07/27/21 11:35 — **Matrix: Water**
Date Received: 07/28/21 08:08

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	300.0		50			6012	08/04/21 12:27	CH	XEN MID
Total/NA	Analysis	SM 2540C		1	10 mL	200 mL	6052	08/01/21 13:24	SC	XEN MID

Client Sample ID: 45-E-1-MW-W-212707 — Lab Sample ID: 880-4416-18

Date Collected: 07/27/21 11:45 — **Matrix: Water**
Date Received: 07/28/21 08:08

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	300.0		50			6012	08/04/21 12:32	CH	XEN MID
Total/NA	Analysis	SM 2540C		1	10 mL	200 mL	6052	08/01/21 13:24	SC	XEN MID

Lab Chronicle

Client: GHD Services Inc.
Project/Site: Dollarhide

Job ID: 880-4416-1

Client Sample ID: 45-E-2-MW-W-212707
Lab Sample ID: 880-4416-19
Date Collected: 07/27/21 11:55
Matrix: Water
Date Received: 07/28/21 08:08

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	300.0		50			6012	08/04/21 12:38	CH	XEN MID
Total/NA	Analysis	SM 2540C		1	25 mL	200 mL	6052	08/01/21 13:24	SC	XEN MID

Client Sample ID: 44-I-1-MW-W-212707
Lab Sample ID: 880-4416-20
Date Collected: 07/27/21 12:10
Matrix: Water
Date Received: 07/28/21 08:08

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	300.0		50			6012	08/04/21 12:43	CH	XEN MID
Total/NA	Analysis	SM 2540C		1	10 mL	200 mL	6052	08/01/21 13:24	SC	XEN MID

Client Sample ID: 44-J-1-MW-W-212707
Lab Sample ID: 880-4416-21
Date Collected: 07/27/21 12:20
Matrix: Water
Date Received: 07/28/21 08:08

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	300.0		50			6013	08/04/21 13:06	CH	XEN MID
Total/NA	Analysis	SM 2540C		1	10 mL	200 mL	6057	08/01/21 15:24	SC	XEN MID

Client Sample ID: 44-J-5-MW-W-212707
Lab Sample ID: 880-4416-22
Date Collected: 07/27/21 12:30
Matrix: Water
Date Received: 07/28/21 08:08

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	300.0		50			6013	08/04/21 13:22	CH	XEN MID
Total/NA	Analysis	SM 2540C		1	10 mL	200 mL	6057	08/01/21 15:24	SC	XEN MID

Client Sample ID: 44-J-4-MW-W-212707
Lab Sample ID: 880-4416-23
Date Collected: 07/27/21 12:40
Matrix: Water
Date Received: 07/28/21 08:08

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	300.0		50			6013	08/04/21 13:28	CH	XEN MID
Total/NA	Analysis	SM 2540C		1	10 mL	200 mL	6057	08/01/21 15:24	SC	XEN MID

Client Sample ID: 44-J-3-MW-W-212707
Lab Sample ID: 880-4416-24
Date Collected: 07/27/21 12:50
Matrix: Water
Date Received: 07/28/21 08:08

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	300.0		50			6013	08/04/21 13:33	CH	XEN MID
Total/NA	Analysis	SM 2540C		1	10 mL	200 mL	6057	08/01/21 15:24	SC	XEN MID

Lab Chronicle

Client: GHD Services Inc.
Project/Site: Dollarhide

Job ID: 880-4416-1

Client Sample ID: 44-J-2-MW-W-212707
Lab Sample ID: 880-4416-25
Date Collected: 07/27/21 13:00
Matrix: Water
Date Received: 07/28/21 08:08

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	300.0		50			6013	08/04/21 13:39	CH	XEN MID
Total/NA	Analysis	SM 2540C		1	10 mL	200 mL	6057	08/01/21 15:24	SC	XEN MID

Client Sample ID: MW-19-W-212707
Lab Sample ID: 880-4416-26
Date Collected: 07/27/21 14:20
Matrix: Water
Date Received: 07/28/21 08:08

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	300.0		100			6013	08/04/21 13:55	CH	XEN MID
Total/NA	Analysis	SM 2540C		1	10 mL	200 mL	6057	08/01/21 15:24	SC	XEN MID

Client Sample ID: MW-18-W-212707
Lab Sample ID: 880-4416-27
Date Collected: 07/27/21 14:40
Matrix: Water
Date Received: 07/28/21 08:08

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	300.0		200			6013	08/04/21 14:01	CH	XEN MID
Total/NA	Analysis	SM 2540C		1	5 mL	200 mL	6057	08/01/21 15:24	SC	XEN MID

Client Sample ID: MW-18-WD-212707
Lab Sample ID: 880-4416-28
Date Collected: 07/27/21 14:45
Matrix: Water
Date Received: 07/28/21 08:08

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	300.0		200			6013	08/05/21 12:26	CH	XEN MID
Total/NA	Analysis	SM 2540C		1	5 mL	200 mL	6057	08/01/21 15:24	SC	XEN MID

Client Sample ID: MW-12-W-212707
Lab Sample ID: 880-4416-29
Date Collected: 07/27/21 14:55
Matrix: Water
Date Received: 07/28/21 08:08

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	300.0		100			6013	08/05/21 12:32	CH	XEN MID
Total/NA	Analysis	SM 2540C		1	5 mL	200 mL	6057	08/01/21 15:24	SC	XEN MID

Client Sample ID: MW-31-W-212707
Lab Sample ID: 880-4416-30
Date Collected: 07/27/21 15:05
Matrix: Water
Date Received: 07/28/21 08:08

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	300.0		100			6013	08/04/21 14:17	CH	XEN MID
Total/NA	Analysis	SM 2540C		1	10 mL	200 mL	6057	08/01/21 15:24	SC	XEN MID

Lab Chronicle

Client: GHD Services Inc.
Project/Site: Dollarhide

Job ID: 880-4416-1

Client Sample ID: MW-10-W-212707
Lab Sample ID: 880-4416-31
Date Collected: 07/27/21 15:15
Matrix: Water
Date Received: 07/28/21 08:08

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	300.0		50			6013	08/04/21 14:23	CH	XEN MID
Total/NA	Analysis	SM 2540C		1	10 mL	200 mL	6057	08/01/21 15:24	SC	XEN MID

Client Sample ID: MW-24-W-212707
Lab Sample ID: 880-4416-32
Date Collected: 07/27/21 15:40
Matrix: Water
Date Received: 07/28/21 08:08

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	300.0		50			6013	08/04/21 14:39	CH	XEN MID
Total/NA	Analysis	SM 2540C		1	10 mL	200 mL	6057	08/01/21 15:24	SC	XEN MID

Client Sample ID: MW-25-W-212707
Lab Sample ID: 880-4416-33
Date Collected: 07/27/21 15:55
Matrix: Water
Date Received: 07/28/21 08:08

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	300.0		200			6013	08/04/21 14:45	CH	XEN MID
Total/NA	Analysis	SM 2540C		1	5 mL	200 mL	6057	08/01/21 15:24	SC	XEN MID

Client Sample ID: MW-11-W-212707
Lab Sample ID: 880-4416-34
Date Collected: 07/27/21 16:00
Matrix: Water
Date Received: 07/28/21 08:08

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	300.0		100			6013	08/04/21 15:01	CH	XEN MID
Total/NA	Analysis	SM 2540C		1	10 mL	200 mL	6057	08/01/21 15:24	SC	XEN MID

Client Sample ID: MW-6-W-212707
Lab Sample ID: 880-4416-35
Date Collected: 07/27/21 16:10
Matrix: Water
Date Received: 07/28/21 08:08

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	300.0		10			6013	08/04/21 15:07	CH	XEN MID
Total/NA	Analysis	SM 2540C		1	50 mL	200 mL	6057	08/01/21 15:24	SC	XEN MID

Client Sample ID: MW-26-W-212707
Lab Sample ID: 880-4416-36
Date Collected: 07/27/21 15:30
Matrix: Water
Date Received: 07/28/21 08:08

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	300.0		50			6013	08/04/21 15:12	CH	XEN MID
Total/NA	Analysis	SM 2540C		1	25 mL	200 mL	6057	08/01/21 15:24	SC	XEN MID

Laboratory References:

XEN MID = Eurofins Xenco, Midland, 1211 W. Florida Ave, Midland, TX 79701, TEL (432)704-5440

Eurofins Xenco, Midland

Accreditation/Certification Summary

Client: GHD Services Inc. Job ID: 880-4416-1
Project/Site: Dollarhide

Laboratory: Eurofins Xenco, Midland

The accreditations/certifications listed below are applicable to this report.

Authority	Program	Identification Number	Expiration Date
Texas	NELAP	T104704400-20-21	06-30-22

Method Summary

Client: GHD Services Inc.
Project/Site: Dollarhide

Job ID: 880-4416-1

Method	Method Description	Protocol	Laboratory
300.0	Anions, Ion Chromatography	MCAWW	XEN MID
SM 2540C	Solids, Total Dissolved (TDS)	SM	XEN MID

Protocol References:

MCAWW = "Methods For Chemical Analysis Of Water And Wastes", EPA-600/4-79-020, March 1983 And Subsequent Revisions.

SM = "Standard Methods For The Examination Of Water And Wastewater"

Laboratory References:

XEN MID = Eurofins Xenco, Midland, 1211 W. Florida Ave, Midland, TX 79701, TEL (432)704-5440

Sample Summary

Client: GHD Services Inc.
Project/Site: Dollarhide

Job ID: 880-4416-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
880-4416-1	NM-MW-14-212607	Water	07/26/21 10:10	07/28/21 08:08
880-4416-2	NM-MW-9-212607	Water	07/26/21 10:20	07/28/21 08:08
880-4416-3	Wilson Ranch Well-W-212607	Water	07/26/21 13:15	07/28/21 08:08
880-4416-4	Smith Residence-W-212606	Water	07/26/21 11:33	07/28/21 08:08
880-4416-5	58-B3-MW-W-212607	Water	07/26/21 13:50	07/28/21 08:08
880-4416-6	MW-29-W-212607	Water	07/26/21 11:51	07/28/21 08:08
880-4416-7	MW-28-W-212607	Water	07/26/21 15:30	07/28/21 08:08
880-4416-8	43-K-1-MW-W-212707	Water	07/27/21 09:30	07/28/21 08:08
880-4416-9	45-E-3-MW-W-212707	Water	07/27/21 09:40	07/28/21 08:08
880-4416-10	58-B-2-MW-W2-212707	Water	07/27/21 09:50	07/28/21 08:08
880-4416-11	58-B-1-MW-W-212707	Water	07/27/21 10:05	07/28/21 08:08
880-4416-12	MW-9-W-212707	Water	07/27/21 10:20	07/28/21 08:08
880-4416-13	MW-8-W-212707	Water	07/27/21 10:35	07/28/21 08:08
880-4416-14	MW-27-W-212707	Water	07/27/21 11:00	07/28/21 08:08
880-4416-15	MW-20-W-212707	Water	07/27/21 11:15	07/28/21 08:08
880-4416-16	45-F-1-MW-W-212707	Water	07/27/21 11:25	07/28/21 08:08
880-4416-17	45-FF-MW-W-212707	Water	07/27/21 11:35	07/28/21 08:08
880-4416-18	45-E-1-MW-W-212707	Water	07/27/21 11:45	07/28/21 08:08
880-4416-19	45-E-2-MW-W-212707	Water	07/27/21 11:55	07/28/21 08:08
880-4416-20	44-I-1-MW-W-212707	Water	07/27/21 12:10	07/28/21 08:08
880-4416-21	44-J-1-MW-W-212707	Water	07/27/21 12:20	07/28/21 08:08
880-4416-22	44-J-5-MW-W-212707	Water	07/27/21 12:30	07/28/21 08:08
880-4416-23	44-J-4-MW-W-212707	Water	07/27/21 12:40	07/28/21 08:08
880-4416-24	44-J-3-MW-W-212707	Water	07/27/21 12:50	07/28/21 08:08
880-4416-25	44-J-2-MW-W-212707	Water	07/27/21 13:00	07/28/21 08:08
880-4416-26	MW-19-W-212707	Water	07/27/21 14:20	07/28/21 08:08
880-4416-27	MW-18-W-212707	Water	07/27/21 14:40	07/28/21 08:08
880-4416-28	MW-18-WD-212707	Water	07/27/21 14:45	07/28/21 08:08
880-4416-29	MW-12-W-212707	Water	07/27/21 14:55	07/28/21 08:08
880-4416-30	MW-31-W-212707	Water	07/27/21 15:05	07/28/21 08:08
880-4416-31	MW-10-W-212707	Water	07/27/21 15:15	07/28/21 08:08
880-4416-32	MW-24-W-212707	Water	07/27/21 15:40	07/28/21 08:08
880-4416-33	MW-25-W-212707	Water	07/27/21 15:55	07/28/21 08:08
880-4416-34	MW-11-W-212707	Water	07/27/21 16:00	07/28/21 08:08
880-4416-35	MW-6-W-212707	Water	07/27/21 16:10	07/28/21 08:08
880-4416-36	MW-26-W-212707	Water	07/27/21 15:30	07/28/21 08:08

XENCO LABORATORIES

Chain of Custody

Houston TX (281) 240-4200 Dallas TX (214) 902-0300 San Antonio T
Midland,TX (432-704-5440) EL Paso TX (915)585-3443 Lubbock TX
Hobbs NM (575-392-7550) Phoenix,AZ (480-355-0900) Atlanta GA (770-449-880(

880-4416 Chain of Custody

Work Order No: 880-4416

Page 1 of 4

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

Program: UST/PST ☐ **PRP** ☐ **Brownfields** ☐ **RRC** ☐ **Superfund** ☐

State of Project:

Reporting Level II ☐ Level III ☐ PST/UST ☐ TRRP ☑ Level IV ☐

Deliverables EDD ☐ ADaPT ☐ Other:

		Turn Around	
Project Name	Dollarhide	Routine ☐	
Project Number:	55270	Rush	
P O Number:	34032659		
Sampler's Name	Arul Fletcher Jemireies	Due Date	

SAMPLE RECEIPT

Temp Blank:	Yes (No)	Wet Ice	(Yes) No
Temperature (°C)	1.1/1.6	Thermometer ID	IR8
Received Intact:	(Yes) No		
Cooler Custody Seals	Yes No (N/A)	Correction Factor:	+0.5
Sample Custody Seals	Yes No (N/A)	Total Containers:	

ANALYSIS REQUEST

Sample Identification	Matrix	Date Sampled	Time Sampled	Depth	Number of Containers	Chlorides	TDS	Sample Comments
NM MW-14-W-212607	GW	7-26	1010	—	1	X	X	
NM-MW-9-W-212607	GW	7-26	1020	—	1	X	X	
Wilson Ranch well-W-212607		7-26	1315	—	1	X	X	
Smith Residence-W-212607		7-26	1335	—	1	X	X	
58-B-3-MW-W-212607	GW	7-26	1350	—	1	X	X	
MW-29-W-212607	GW	7-26	1515	—	1	X	X	
MW-28-W-212607	GW	7-26	1530	—	1	X	X	
43-K-1-MW-W-212707	GW	7-27	0930	—	1	X	X	
45-E-3-MW-W-212707	GW	7-27	0940	—	1	X	X	
58-B-2-MW-W-212707	GW	7-27	0950	—	1	X	X	

Work Order Notes

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

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

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

Relinquished by (Signature)	Received by (Signature)	Date/Time	Relinquished by (Signature)	Received by (Signature)	Date/Time
1 [signature]	[signature]	7/28/21 0808	2		
3			4		
5			6		

Revised Date 051418 Rev 2018 1

Chain of Custody

XENCO LABORATORIES

Houston TX (281) 240-4200 Dallas TX (214) 902-0300 San Antonio TX (210) 509-3334
Midland TX (432-704-5440) EL Paso TX (915)585-3443 Lubbock TX (806)794-1296
Hobbs NM (575-392-7550) Phoenix,AZ (480-355-0900) Atlanta GA (770-449-8800) Tampa FL (813-620-2000)

Work Order No: 880-4416

www.xenco.com Page 2 of 4

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

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

Project Name	Dollarhide	Turn Around	
Project Number	55270	Routine	☐
P O Number	34032659	Rush	
Sampler's Name	David Fletcher Jr Mireles	Due Date	

SAMPLE RECEIPT				
Temp Blank	Yes (No)	Wet Ice	(Yes) No	
Temperature (°C)	1.1 | 1.6	Thermometer ID	IR-8	
Received Intact:	(Yes) No			
Cooler Custody Seals	Yes No (N/A)	Correction Factor	+0.5	
Sample Custody Seals	Yes No (N/A)	Total Containers		

Sample Identification	Matrix	Date Sampled	Time Sampled	Depth	Number of Containers	Chlorides	TDS
58-B-1-MW-W-212707	GW	7-27	1005	—	1	X	X
MW9-W-212707	GW	7-27	1020	—	1	X	X
MW-8-W-212707	GW	7-27	1035	—	1	X	X
MW-27-W-212707	GW	7-27	1100	—	1	X	X
MW-20-W-212707	GW	7-27	1115	—	1	X	X
45-F-1-MW-W-212707	GW	7-27	1125	—	1	X	X
45-FF-MW-W-212707	GW	7-27	1135	—	1	X	X
45-E-1-MW-W-212707	GW	7-27	1145	—	1	X	X
45-E-2-MW-W-212707	GW	7-27	1155	—	1	X	X
44-I-1-MW-W-212707	GW	7-27	1210	—	1	X	X

ANALYSIS REQUEST

Work Order Notes

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

Sample Comments

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

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

Notice: Signature of this document and relinquishment of samples constitutes a valid purchase order from client company to Xenco, its affiliates and subcontractors. It assigns standard terms and conditions of service. Xenco will be liable only for the cost of samples and shall not assume any responsibility for any losses or expenses incurred by the client if such losses are due to circumstances beyond the control of Xenco. A minimum charge of $75.00 will be applied to each project and a charge of $5 for each sample submitted to Xenco, but not analyzed. These terms will be enforced unless previously negotiated.

	Relinquished by (Signature)	Received by (Signature)	Date/Time	Relinquished by (Signature)	Received by (Signature)	Date/Time
1			7/28/21 0808	2		
3				4		
5				6		

Revised Date 051418 Rev 2018.1

Chain of Custody

XENCO LABORATORIES

Houston TX (281) 240-4200 Dallas TX (214) 902-0300 San Antonio TX (210) 509-3334
Midland TX (432-704-5440) EL Paso TX (915)585-3443 Lubbock TX (806)794-1296
Hobbs NM (575-392-7550) Phoenix,AZ (480-355-0900) Atlanta GA (770-449-8800) Tampa FL (813-620-2000) www.xenco.com

Work Order No: 880-4416

Page 3 of 4

8/10/2021

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

Program: UST/PST ☐ PRP ☐ Brownfields ☐ RRC ☐ Superfund ☐

State of Project:

Reporting Level II ☐ Level III ☐ PST/UST ☐ TRRP ☑ Level IV ☐

Deliverables EDD ☐ ADaPT ☐ Other:

Project Name	Dollarhide	Turn Around	
Project Number	55270	Routine	☐
P O Number	34032659	Rush	
Sampler's Name	David Fletcher Joe Mireles	Due Date	

SAMPLE RECEIPT				
Temp Blank.	Yes (No)	Wet Ice	(Yes) No	
Temperature (°C)	1.1 / 1.6	Thermometer ID	IR8	
Received Intact.	(Yes) No			
Cooler Custody Seals	Yes No (N/A)	Correction Factor	+0.5	
Sample Custody Seals	Yes No (N/A)	Total Containers		

ANALYSIS REQUEST

Work Order Notes

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

Sample Identification	Matrix	Date Sampled	Time Sampled	Depth	Number of Containers	Chlorides	TDS	Sample Comments
44-J-1-MW-W-212707	GW	7-27	1220	—	1	X	X	
44-J-5-MW-W-212707	GW	7-27	1230	—	1	X	X	
44-J-4-MW-W-212707	GW	7-27	1240	—	1	X	X	
44-J-3 MW-W-212707	GW	7-27	1250	—	1	X	X	
44-J-2-MW-W-212707	GW	7-27	1300	—	1	X	X	
MW-19-W-212707	GW	7-27	1420	—	1	X	X	
MW-18-W-212707	GW	7-27	1440	—	1	X	X	
MW-18-WD-212707	GW	7-27	TH**	—	1	X	X	
MW-12-W-212707	GW	7-27	1455	—	1	X	X	
MW-31-W-212707	GW	7-27	1505	—	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 Tl Sn U V Zn

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

Notice: Signature of this document and relinquishment of samples constitutes a valid purchase order from client company to Xenco, its affiliates and subcontractors. It assigns standard terms and conditions of service. Xenco will be liable only for the cost of samples and shall not assume any responsibility for any losses or expenses incurred by the client if such losses are due to circumstances beyond the control of Xenco. A minimum charge of $75.00 will be applied to each project and a charge of $5 for each sample submitted to Xenco, but not analyzed. These terms will be enforced unless previously negotiated.

Relinquished by (Signature)	Received by (Signature)	Date/Time	Relinquished by (Signature)	Received by (Signature)	Date/Time
1 Joe Mireles	Kelly	7/28/21 0808	2		
3			4		
5			6		

Revised Date 051418 Rev 2018 1

XENCO LABORATORIES

Chain of Custody

Houston TX (281) 240-4200 Dallas TX (214) 902-0300 San Antonio TX (210) 509-3334
Midland TX (432-704-5440) EL Paso TX (915)585-3443 Lubbock TX (806)794-1296
Hobbs NM (575-392-7550) Phoenix AZ (480-355-0900) Atlanta GA (770-449-8800) Tampa FL (813-620-2000) www xenco com

Work Order No: 880-44116

Page 4 of 4

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

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

Project Name	Dollarhide	Turn Around	
Project Number	55270	Routine ☐	
P O Number	34032659	Rush	
Sampler's Name	David Fields Joe Morales	Due Date	

SAMPLE RECEIPT				
Temp Blank	Yes (No)	Wet Ice	(Yes) No	
Temperature (°C)	1.1/1.6	Thermometer ID		
Received Intact	(Yes) No			
Cooler Custody Seals	Yes No (N/A)	Correction Factor	1.28 +0.5	
Sample Custody Seals	Yes No N/A	Total Containers		

Sample Identification	Matrix	Date Sampled	Time Sampled	Depth	Number of Containers	Chlorides	TDS
MW-10-W- 212707	GW	7-27	1515	—	1	X	X
~~MW-12-W-212707~~	~~GW~~	~~7-27~~	~~1530~~	~~—~~	~~1~~	~~X~~	~~X~~
MW-24-W- 212707	GW	7-27	1540	—	1	X	X
MW-25-W- 212707	GW	7-27	1555	—	1	X	X
MW-11-W- 212707	GW	7-27	1600	—	1	X	X
MW-6-W- 212707	GW	7-27	1610	—	1	X	X
MW-26-W-212707	GW	7-27	1530	—	1	X	X

ANALYSIS REQUEST

Work Order Notes

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

Sample Comments

Total 200.7 / 6010 200.8 / 6020: 8RCRA 13PPM Texas 11 Al Sb As Ba Be B Cd Ca Cr Co Cu Fe Pb Mg Mn Mo Ni K Se Ag SiO2 Na Sr Tl Sn U V Zn
Circle Method(s) and Metal(s) to be analyzed TCLP / SPLP 6010 8RCRA Sb As Ba Be Cd Cr Co Cu Pb Mn Mo Ni Se Ag Tl U 1631 / 245.1 / 7470 / 7471 Hg

Notice Signature of this document and relinquishment of samples constitutes a valid purchase order from client company to Xenco, its affiliates and subcontractors. It assigns standard terms and conditions of service. Xenco will be liable only for the cost of samples and shall not assume any responsibility for any losses or expenses incurred by the client if such losses are due to circumstances beyond the control of Xenco A minimum charge of $75 00 will be applied to each project and a charge of $5 for each sample submitted to Xenco, but not analyzed These terms will be enforced unless previously negotiated

Relinquished by (Signature)	Received by (Signature)	Date/Time	Relinquished by (Signature)	Received by (Signature)	Date/Time
1 Joe Morales	RGM	7/28/21 0808	2		
3			4		
5			6		

Revised Date 051418 Rev 2018 1

Login Sample Receipt Checklist

Client: GHD Services Inc. Job Number: 880-4416-1

Login Number: 4416 **List Source: Eurofins Xenco, Midland**
List Number: 1
Creator: Teel, Brianna

Question	Answer	Comment
The cooler's custody seal, if present, is intact.	N/A	
Sample custody seals, if present, are intact.	N/A	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	N/A	

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ANALYTICAL REPORT

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

Laboratory Job ID: 880-4420-1
Laboratory Sample Delivery Group: 055270
Client Project/Site: Dollarhide

For:
GHD Services Inc.
2135 South Loop 250 West
Midland, Texas 79703

Attn: Christopher Knight

Debbie Simmons

Authorized for release by:
8/10/2021 4:43:33 PM

Debbie Simmons, Project Manager
(281)240-4200
debbie.simmons@eurofinset.com

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

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

Client: GHD Services Inc.
Project/Site: Dollarhide

Laboratory Job ID: 880-4420-1
SDG: 055270

Table of Contents

Definitions/Glossary

Client: GHD Services Inc. Job ID: 880-4420-1
Project/Site: Dollarhide SDG: 055270

Qualifiers

HPLC/IC

Qualifier	Qualifier Description
N1	MS, MSD: Spike recovery exceeds upper or lower control limits.
U	Analyte was not detected at or above the SDL.

General Chemistry

Qualifier	Qualifier Description
U	Analyte was not detected at or above the SDL.

Glossary

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

Case Narrative

Client: GHD Services Inc.
Project/Site: Dollarhide

Job ID: 880-4420-1
SDG: 055270

Job ID: 880-4420-1

Laboratory: Eurofins Xenco, Midland

Narrative

Job Narrative
880-4420-1

Receipt
The samples were received on 7/28/2021 8:08 AM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 1.6°C

HPLC/IC
Method 300_ORGFM_28D: The matrix spike duplicate (MSD) recovery for analytical batch 880-6013 was outside control limits. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample (LCS) recovery was within acceptance limits.

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

General Chemistry
Method 2540C_Calcd: Samples required re-analysis due to vessels melting together and loss of sample when separated. Affected samples are: MW-32-W-212607 (880-4420-3) and MW-32-WD-212607 (880-4420-4)

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

Client Sample Results

Client: GHD Services Inc. Job ID: 880-4420-1
Project/Site: Dollarhide SDG: 055270

Client Sample ID: MW-34-W-212607 Lab Sample ID: 880-4420-1

Date Collected: 07/26/21 14:00 **Matrix: Water**
Date Received: 07/28/21 08:08

Method: 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	72.7		2.50	0.105	mg/L			08/04/21 15:18	5

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	613		50.0	50.0	mg/L			08/01/21 15:24	1

Client Sample ID: MW-33-W-212607 Lab Sample ID: 880-4420-2

Date Collected: 07/26/21 14:15 **Matrix: Water**
Date Received: 07/28/21 08:08

Method: 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	213		10.0	0.421	mg/L			08/04/21 15:23	20

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	1050		50.0	50.0	mg/L			08/01/21 15:24	1

Client Sample ID: MW-32-W-212607 Lab Sample ID: 880-4420-3

Date Collected: 07/26/21 14:50 **Matrix: Water**
Date Received: 07/28/21 08:08

Method: 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	373		5.00	0.210	mg/L			08/04/21 15:29	10

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	1160		50.0	50.0	mg/L			08/02/21 14:08	1

Client Sample ID: MW-32-WD-212607 Lab Sample ID: 880-4420-4

Date Collected: 07/26/21 00:00 **Matrix: Water**
Date Received: 07/28/21 08:08

Method: 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	370		5.00	0.210	mg/L			08/04/21 15:34	10

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	1140		50.0	50.0	mg/L			08/02/21 14:08	1

QC Sample Results

Client: GHD Services Inc. Job ID: 880-4420-1
Project/Site: Dollarhide SDG: 055270

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-6013/3 — **Client Sample ID: Method Blank**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 6013

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<0.0210	U	0.500	0.0210	mg/L			08/04/21 12:49	1

Lab Sample ID: LCS 880-6013/4 — **Client Sample ID: Lab Control Sample**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 6013

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
Chloride			25.0	23.70		mg/L		95	90 - 110		

Lab Sample ID: LCSD 880-6013/5 — **Client Sample ID: Lab Control Sample Dup**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 6013

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Chloride			25.0	23.71		mg/L		95	90 - 110	0	20

Lab Sample ID: 880-4416-A-31 MS — **Client Sample ID: Matrix Spike**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 6013

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits		
Chloride	4980		1250	6122		mg/L		92	90 - 110		

Lab Sample ID: 880-4416-A-31 MSD — **Client Sample ID: Matrix Spike Duplicate**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 6013

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Chloride	4980		1250	6387	N1	mg/L		113	90 - 110	4	20

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

Lab Sample ID: MB 880-6057/1 — **Client Sample ID: Method Blank**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 6057

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	<25.0	U	25.0	25.0	mg/L			08/01/21 15:24	1

Lab Sample ID: 880-4416-A-31 DU — **Client Sample ID: Duplicate**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 6057

Analyte	Sample Result	Sample Qualifier		DU Result	DU Qualifier	Unit	D			RPD	RPD Limit
Total Dissolved Solids	8180			8160		mg/L				0.2	10

QC Association Summary

Client: GHD Services Inc. Job ID: 880-4420-1
Project/Site: Dollarhide SDG: 055270

HPLC/IC

Analysis Batch: 6013

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-4420-1	MW-34-W-212607	Total/NA	Water	300.0	
880-4420-2	MW-33-W-212607	Total/NA	Water	300.0	
880-4420-3	MW-32-W-212607	Total/NA	Water	300.0	
880-4420-4	MW-32-WD-212607	Total/NA	Water	300.0	
MB 880-6013/3	Method Blank	Total/NA	Water	300.0	
LCS 880-6013/4	Lab Control Sample	Total/NA	Water	300.0	
LCSD 880-6013/5	Lab Control Sample Dup	Total/NA	Water	300.0	
880-4416-A-31 MS	Matrix Spike	Total/NA	Water	300.0	
880-4416-A-31 MSD	Matrix Spike Duplicate	Total/NA	Water	300.0	

General Chemistry

Analysis Batch: 6057

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-4420-1	MW-34-W-212607	Total/NA	Water	SM 2540C	
880-4420-2	MW-33-W-212607	Total/NA	Water	SM 2540C	
880-4420-3	MW-32-W-212607	Total/NA	Water	SM 2540C	
880-4420-4	MW-32-WD-212607	Total/NA	Water	SM 2540C	
MB 880-6057/1	Method Blank	Total/NA	Water	SM 2540C	
LCS 880-6057/2	Lab Control Sample	Total/NA	Water	SM 2540C	
LCSD 880-6057/3	Lab Control Sample Dup	Total/NA	Water	SM 2540C	
880-4416-A-31 DU	Duplicate	Total/NA	Water	SM 2540C	

Lab Chronicle

Client: GHD Services Inc. Job ID: 880-4420-1
Project/Site: Dollarhide SDG: 055270

Client Sample ID: MW-34-W-212607 Lab Sample ID: 880-4420-1

Date Collected: 07/26/21 14:00 **Matrix: Water**
Date Received: 07/28/21 08:08

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	300.0		5			6013	08/04/21 15:18	CH	XEN MID
Total/NA	Analysis	SM 2540C		1	100 mL	200 mL	6057	08/01/21 15:24	SC	XEN MID

Client Sample ID: MW-33-W-212607 Lab Sample ID: 880-4420-2

Date Collected: 07/26/21 14:15 **Matrix: Water**
Date Received: 07/28/21 08:08

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	300.0		20			6013	08/04/21 15:23	CH	XEN MID
Total/NA	Analysis	SM 2540C		1	100 mL	200 mL	6057	08/01/21 15:24	SC	XEN MID

Client Sample ID: MW-32-W-212607 Lab Sample ID: 880-4420-3

Date Collected: 07/26/21 14:50 **Matrix: Water**
Date Received: 07/28/21 08:08

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	300.0		10			6013	08/04/21 15:29	CH	XEN MID
Total/NA	Analysis	SM 2540C		1	100 mL	200 mL	6057	08/02/21 14:08	SC	XEN MID

Client Sample ID: MW-32-WD-212607 Lab Sample ID: 880-4420-4

Date Collected: 07/26/21 00:00 **Matrix: Water**
Date Received: 07/28/21 08:08

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	300.0		10			6013	08/04/21 15:34	CH	XEN MID
Total/NA	Analysis	SM 2540C		1	100 mL	200 mL	6057	08/02/21 14:08	SC	XEN MID

Laboratory References:

XEN MID = Eurofins Xenco, Midland, 1211 W. Florida Ave, Midland, TX 79701, TEL (432)704-5440

Accreditation/Certification Summary

Client: GHD Services Inc. Job ID: 880-4420-1
Project/Site: Dollarhide SDG: 055270

Laboratory: Eurofins Xenco, Midland

The accreditations/certifications listed below are applicable to this report.

Authority	Program	Identification Number	Expiration Date
Texas	NELAP	T104704400-20-21	06-30-22

Method Summary

Client: GHD Services Inc.
Project/Site: Dollarhide

Job ID: 880-4420-1
SDG: 055270

Method	Method Description	Protocol	Laboratory
300.0	Anions, Ion Chromatography	MCAWW	XEN MID
SM 2540C	Solids, Total Dissolved (TDS)	SM	XEN MID

Protocol References:

MCAWW = "Methods For Chemical Analysis Of Water And Wastes", EPA-600/4-79-020, March 1983 And Subsequent Revisions.

SM = "Standard Methods For The Examination Of Water And Wastewater"

Laboratory References:

XEN MID = Eurofins Xenco, Midland, 1211 W. Florida Ave, Midland, TX 79701, TEL (432)704-5440

Sample Summary

Client: GHD Services Inc.
Project/Site: Dollarhide

Job ID: 880-4420-1
SDG: 055270

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
880-4420-1	MW-34-W-212607	Water	07/26/21 14:00	07/28/21 08:08
880-4420-2	MW-33-W-212607	Water	07/26/21 14:15	07/28/21 08:08
880-4420-3	MW-32-W-212607	Water	07/26/21 14:50	07/28/21 08:08
880-4420-4	MW-32-WD-212607	Water	07/26/21 00:00	07/28/21 08:08

XENCO LABORATORIES

Chain of Custo

Houston TX (281) 240-4200 Dallas TX (214) 902-0300 San An
Midland TX (432-704-5440) EL Paso TX (915)585-3443 Lubb
Hobbs NM (575-392-7550) Phoenix AZ (480-355-0900) Atlanta GA (770-4

880-4420 Chain of Custody

der No: 880-4420

co com Page 1 of 1

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

Program: UST/PST ☐ PRP ☐ Brownfields ☐ RRC ☐ Superfund ☐

State of Project:

Reporting Level II Level III ☐ PST/UST ☐ TRRP ☐ Level IV ☐

Deliverables EDD ☐ ADaPT ☐ Other

Project Name	Dollarhide	Turn Around	
Project Number	55270	Routine ☐	
P O Number	34032659	Rush	
Sampler's Name	Kent Fletcher Joe Mireles	Due Date	

SAMPLE RECEIPT				
Temp Blank	Yes (No)	Wet Ice	(Yes) No	
Temperature (°C)	1.1 / 1.6	Thermometer ID	IR8	
Received Intact.	(Yes) No			
Cooler Custody Seals	Yes No (N/A)	Correction Factor	+0.5	
Sample Custody Seals	Yes No (N/A)	Total Containers		

ANALYSIS REQUEST

Sample Identification	Matrix	Date Sampled	Time Sampled	Depth	Number of Containers	Chlorides	TDS
MW-34-W-212607	GW	7-26	1400	—	1	X	X
MW-33-W-212607	GW	7-26	1415	—	1	X	X
MW-32-W-212607	GW	7-26	1450	—	1	X	X
MW-32-WD-212607	GW	7-26	—	—	1	X	X

Work Order Notes

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

Sample Comments

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

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

Notice Signature of this document and relinquishment of samples constitutes a valid purchase order from client company to Xenco, its affiliates and subcontractors. It assigns standard terms and conditions of service. Xenco will be liable only for the cost of samples and shall not assume any responsibility for any losses or expenses incurred by the client if such losses are due to circumstances beyond the control of Xenco A minimum charge of $75.00 will be applied to each project and a charge of $5 for each sample submitted to Xenco, but not analyzed These terms will be enforced unless previously negotiated

Relinquished by (Signature)	Received by (Signature)	Date/Time	Relinquished by (Signature)	Received by (Signature)	Date/Time
1	Kahn	7/28/24 0808	2		
3			4		
5			6		

Revised Date 051418 Rev 2018 1

Login Sample Receipt Checklist

Client: GHD Services Inc.

Job Number: 880-4420-1
SDG Number: 055270

Login Number: 4420
List Number: 1
Creator: Phillips, Kerianna

List Source: Eurofins Xenco, Midland

Question	Answer	Comment
The cooler's custody seal, if present, is intact.	N/A	
Sample custody seals, if present, are intact.	N/A	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	N/A	

eurofins | Environment Testing America

ANALYTICAL REPORT

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

Laboratory Job ID: 880-4421-1
Laboratory Sample Delivery Group: 55270
Client Project/Site: Dollarhide

For:
GHD Services Inc.
2135 South Loop 250 West
Midland, Texas 79703

Attn: Christopher Knight

Debbie Simmons

Authorized for release by:
8/10/2021 4:50:50 PM

Debbie Simmons, Project Manager
(281)240-4200
debbie.simmons@eurofinset.com

Client: GHD Services Inc.
Project/Site: Dollarhide

Laboratory Job ID: 880-4421-1
SDG: 55270

Table of Contents

Definitions/Glossary

Client: GHD Services Inc. Job ID: 880-4421-1
Project/Site: Dollarhide SDG: 55270

Qualifiers

HPLC/IC

Qualifier	Qualifier Description
N1	MS, MSD: Spike recovery exceeds upper or lower control limits.
U	Analyte was not detected at or above the SDL.

General Chemistry

Qualifier	Qualifier Description
U	Analyte was not detected at or above the SDL.

Glossary

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

Case Narrative

Client: GHD Services Inc.
Project/Site: Dollarhide

Job ID: 880-4421-1
SDG: 55270

Job ID: 880-4421-1

Laboratory: Eurofins Xenco, Midland

Narrative

Job Narrative
880-4421-1

Comments
No additional comments.

Receipt
The samples were received on 7/28/2021 8:08 AM. Unless otherwise noted below, the samples arrived in good condition, and where required, properly preserved and on ice. The temperature of the cooler at receipt was 1.6º C.

General Chemistry
Method 300.0: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for analytical batch 880-6014 were outside control limits. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample (LCS) recovery was within acceptance limits.

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

Client Sample Results

Client: GHD Services Inc.
Project/Site: Dollarhide

Job ID: 880-4421-1
SDG: 55270

Client Sample ID: NM-MW-13-W-212607
Lab Sample ID: 880-4421-1
Date Collected: 07/26/21 10:55
Matrix: Water
Date Received: 07/28/21 08:08

Method: 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	203		5.00	0.210	mg/L			08/04/21 16:18	10

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	1100		50.0	50.0	mg/L			08/01/21 13:58	1

Client Sample ID: NM-MW-11-W-212607
Lab Sample ID: 880-4421-2
Date Collected: 07/26/21 11:25
Matrix: Water
Date Received: 07/28/21 08:08

Method: 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	174		5.00	0.210	mg/L			08/04/21 16:35	10

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	1990		100	100	mg/L			08/01/21 13:58	1

Client Sample ID: NM-MW-11-WD-212607
Lab Sample ID: 880-4421-3
Date Collected: 07/26/21 00:00
Matrix: Water
Date Received: 07/28/21 08:08

Method: 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	175		5.00	0.210	mg/L			08/04/21 16:40	10

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	1950		100	100	mg/L			08/01/21 13:58	1

Client Sample ID: NM-MW-15-W-212607
Lab Sample ID: 880-4421-4
Date Collected: 07/26/21 10:40
Matrix: Water
Date Received: 07/28/21 08:08

Method: 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	57.1		2.50	0.105	mg/L			08/04/21 16:46	5

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	516		50.0	50.0	mg/L			08/01/21 13:58	1

Client Sample ID: NM-MW-17-W-212607
Lab Sample ID: 880-4421-5
Date Collected: 07/26/21 11:55
Matrix: Water
Date Received: 07/28/21 08:08

Method: 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	212		5.00	0.210	mg/L			08/04/21 16:51	10

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	1010		50.0	50.0	mg/L			08/01/21 13:58	1

Eurofins Xenco, Midland

Client Sample Results

Client: GHD Services Inc. Job ID: 880-4421-1
Project/Site: Dollarhide SDG: 55270

Client Sample ID: NM-MW-20-W-212607 Lab Sample ID: 880-4421-6

Date Collected: 07/26/21 12:15 **Matrix: Water**
Date Received: 07/28/21 08:08

Method: 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	21.8		2.50	0.105	mg/L			08/04/21 17:08	5

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	409		50.0	50.0	mg/L			08/01/21 13:58	1

Client Sample ID: NM-MW-21-W-212607 Lab Sample ID: 880-4421-7

Date Collected: 07/26/21 12:25 **Matrix: Water**
Date Received: 07/28/21 08:08

Method: 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	27.6		2.50	0.105	mg/L			08/04/21 17:13	5

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	558		50.0	50.0	mg/L			08/01/21 13:58	1

Client Sample ID: NM-MW-12-W-212607 Lab Sample ID: 880-4421-8

Date Collected: 07/26/21 13:05 **Matrix: Water**
Date Received: 07/28/21 08:08

Method: 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	485		5.00	0.210	mg/L			08/04/21 17:19	10

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	1090		100	100	mg/L			08/01/21 13:58	1

QC Sample Results

Client: GHD Services Inc.
Project/Site: Dollarhide

Job ID: 880-4421-1
SDG: 55270

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-6014/3
Matrix: Water
Analysis Batch: 6014

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<0.0210	U	0.500	0.0210	mg/L			08/04/21 16:02	1

Lab Sample ID: LCS 880-6014/4
Matrix: Water
Analysis Batch: 6014

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Chloride	25.0	24.01		mg/L		96	90 - 110

Lab Sample ID: LCSD 880-6014/5
Matrix: Water
Analysis Batch: 6014

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

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Chloride	25.0	24.05		mg/L		96	90 - 110	0	20

Lab Sample ID: 880-4421-1 MS
Matrix: Water
Analysis Batch: 6014

Client Sample ID: NM-MW-13-W-212607
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Chloride	203		250	513.6	N1	mg/L		124	90 - 110

Lab Sample ID: 880-4421-1 MSD
Matrix: Water
Analysis Batch: 6014

Client Sample ID: NM-MW-13-W-212607
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Chloride	203		250	468.6		mg/L		106	90 - 110	9	20

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

Lab Sample ID: MB 880-6059/1
Matrix: Water
Analysis Batch: 6059

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	<25.0	U	25.0	25.0	mg/L			08/01/21 13:58	1

Lab Sample ID: LCS 880-6059/2
Matrix: Water
Analysis Batch: 6059

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Total Dissolved Solids	1000	1010		mg/L		101	80 - 120

QC Sample Results

Client: GHD Services Inc.
Project/Site: Dollarhide

Job ID: 880-4421-1
SDG: 55270

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

Lab Sample ID: LCSD 880-6059/3
Matrix: Water
Analysis Batch: 6059

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

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Total Dissolved Solids			1000	1003		mg/L		100	80 - 120	1	10

Lab Sample ID: 880-4421-1 DU
Matrix: Water
Analysis Batch: 6059

Client Sample ID: NM-MW-13-W-212607
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier		DU Result	DU Qualifier	Unit	D			RPD	RPD Limit
Total Dissolved Solids	1100			1094		mg/L				0.4	10

QC Association Summary

Client: GHD Services Inc.
Project/Site: Dollarhide

Job ID: 880-4421-1
SDG: 55270

HPLC/IC

Analysis Batch: 6014

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-4421-1	NM-MW-13-W-212607	Total/NA	Water	300.0	
880-4421-2	NM-MW-11-W-212607	Total/NA	Water	300.0	
880-4421-3	NM-MW-11-WD-212607	Total/NA	Water	300.0	
880-4421-4	NM-MW-15-W-212607	Total/NA	Water	300.0	
880-4421-5	NM-MW-17-W-212607	Total/NA	Water	300.0	
880-4421-6	NM-MW-20-W-212607	Total/NA	Water	300.0	
880-4421-7	NM-MW-21-W-212607	Total/NA	Water	300.0	
880-4421-8	NM-MW-12-W-212607	Total/NA	Water	300.0	
MB 880-6014/3	Method Blank	Total/NA	Water	300.0	
LCS 880-6014/4	Lab Control Sample	Total/NA	Water	300.0	
LCSD 880-6014/5	Lab Control Sample Dup	Total/NA	Water	300.0	
880-4421-1 MS	NM-MW-13-W-212607	Total/NA	Water	300.0	
880-4421-1 MSD	NM-MW-13-W-212607	Total/NA	Water	300.0	

General Chemistry

Analysis Batch: 6059

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-4421-1	NM-MW-13-W-212607	Total/NA	Water	SM 2540C	
880-4421-2	NM-MW-11-W-212607	Total/NA	Water	SM 2540C	
880-4421-3	NM-MW-11-WD-212607	Total/NA	Water	SM 2540C	
880-4421-4	NM-MW-15-W-212607	Total/NA	Water	SM 2540C	
880-4421-5	NM-MW-17-W-212607	Total/NA	Water	SM 2540C	
880-4421-6	NM-MW-20-W-212607	Total/NA	Water	SM 2540C	
880-4421-7	NM-MW-21-W-212607	Total/NA	Water	SM 2540C	
880-4421-8	NM-MW-12-W-212607	Total/NA	Water	SM 2540C	
MB 880-6059/1	Method Blank	Total/NA	Water	SM 2540C	
LCS 880-6059/2	Lab Control Sample	Total/NA	Water	SM 2540C	
LCSD 880-6059/3	Lab Control Sample Dup	Total/NA	Water	SM 2540C	
880-4421-1 DU	NM-MW-13-W-212607	Total/NA	Water	SM 2540C	

Lab Chronicle

Client: GHD Services Inc.
Project/Site: Dollarhide

Job ID: 880-4421-1
SDG: 55270

Client Sample ID: NM-MW-13-W-212607
Date Collected: 07/26/21 10:55
Date Received: 07/28/21 08:08

Lab Sample ID: 880-4421-1
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	300.0		10			6014	08/04/21 16:18	CH	XEN MID
Total/NA	Analysis	SM 2540C		1	100 mL	200 mL	6059	08/01/21 13:58	SC	XEN MID

Client Sample ID: NM-MW-11-W-212607
Date Collected: 07/26/21 11:25
Date Received: 07/28/21 08:08

Lab Sample ID: 880-4421-2
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	300.0		10			6014	08/04/21 16:35	CH	XEN MID
Total/NA	Analysis	SM 2540C		1	50 mL	200 mL	6059	08/01/21 13:58	SC	XEN MID

Client Sample ID: NM-MW-11-WD-212607
Date Collected: 07/26/21 00:00
Date Received: 07/28/21 08:08

Lab Sample ID: 880-4421-3
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	300.0		10			6014	08/04/21 16:40	CH	XEN MID
Total/NA	Analysis	SM 2540C		1	50 mL	200 mL	6059	08/01/21 13:58	SC	XEN MID

Client Sample ID: NM-MW-15-W-212607
Date Collected: 07/26/21 10:40
Date Received: 07/28/21 08:08

Lab Sample ID: 880-4421-4
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	300.0		5			6014	08/04/21 16:46	CH	XEN MID
Total/NA	Analysis	SM 2540C		1	100 mL	200 mL	6059	08/01/21 13:58	SC	XEN MID

Client Sample ID: NM-MW-17-W-212607
Date Collected: 07/26/21 11:55
Date Received: 07/28/21 08:08

Lab Sample ID: 880-4421-5
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	300.0		10			6014	08/04/21 16:51	CH	XEN MID
Total/NA	Analysis	SM 2540C		1	100 mL	200 mL	6059	08/01/21 13:58	SC	XEN MID

Client Sample ID: NM-MW-20-W-212607
Date Collected: 07/26/21 12:15
Date Received: 07/28/21 08:08

Lab Sample ID: 880-4421-6
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	300.0		5			6014	08/04/21 17:08	CH	XEN MID
Total/NA	Analysis	SM 2540C		1	100 mL	200 mL	6059	08/01/21 13:58	SC	XEN MID

Lab Chronicle

Client: GHD Services Inc.
Project/Site: Dollarhide

Job ID: 880-4421-1
SDG: 55270

Client Sample ID: NM-MW-21-W-212607

Lab Sample ID: 880-4421-7
Matrix: Water
Date Collected: 07/26/21 12:25
Date Received: 07/28/21 08:08

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	300.0		5			6014	08/04/21 17:13	CH	XEN MID
Total/NA	Analysis	SM 2540C		1	100 mL	200 mL	6059	08/01/21 13:58	SC	XEN MID

Client Sample ID: NM-MW-12-W-212607

Lab Sample ID: 880-4421-8
Matrix: Water
Date Collected: 07/26/21 13:05
Date Received: 07/28/21 08:08

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	300.0		10			6014	08/04/21 17:19	CH	XEN MID
Total/NA	Analysis	SM 2540C		1	50 mL	200 mL	6059	08/01/21 13:58	SC	XEN MID

Laboratory References:

XEN MID = Eurofins Xenco, Midland, 1211 W. Florida Ave, Midland, TX 79701, TEL (432)704-5440

Accreditation/Certification Summary

Client: GHD Services Inc.
Project/Site: Dollarhide

Job ID: 880-4421-1
SDG: 55270

Laboratory: Eurofins Xenco, Midland

The accreditations/certifications listed below are applicable to this report.

Authority	Program	Identification Number	Expiration Date
Texas	NELAP	T104704400-20-21	06-30-22

Method Summary

Client: GHD Services Inc.
Project/Site: Dollarhide

Job ID: 880-4421-1
SDG: 55270

Method	Method Description	Protocol	Laboratory
300.0	Anions, Ion Chromatography	MCAWW	XEN MID
SM 2540C	Solids, Total Dissolved (TDS)	SM	XEN MID

Protocol References:

MCAWW = "Methods For Chemical Analysis Of Water And Wastes", EPA-600/4-79-020, March 1983 And Subsequent Revisions.

SM = "Standard Methods For The Examination Of Water And Wastewater"

Laboratory References:

XEN MID = Eurofins Xenco, Midland, 1211 W. Florida Ave, Midland, TX 79701, TEL (432)704-5440

Sample Summary

Client: GHD Services Inc.
Project/Site: Dollarhide

Job ID: 880-4421-1
SDG: 55270

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
880-4421-1	NM-MW-13-W-212607	Water	07/26/21 10:55	07/28/21 08:08
880-4421-2	NM-MW-11-W-212607	Water	07/26/21 11:25	07/28/21 08:08
880-4421-3	NM-MW-11-WD-212607	Water	07/26/21 00:00	07/28/21 08:08
880-4421-4	NM-MW-15-W-212607	Water	07/26/21 10:40	07/28/21 08:08
880-4421-5	NM-MW-17-W-212607	Water	07/26/21 11:55	07/28/21 08:08
880-4421-6	NM-MW-20-W-212607	Water	07/26/21 12:15	07/28/21 08:08
880-4421-7	NM-MW-21-W-212607	Water	07/26/21 12:25	07/28/21 08:08
880-4421-8	NM-MW-12-W-212607	Water	07/26/21 13:05	07/28/21 08:08

Chain of Custody

XENCO LABORATORIES

Houston TX (281) 240-4200 Dallas TX (214) 902-0300 San Antonio TX (210)
Midland TX (432-704-5440) EL Paso TX (915)585-3443 Lubbock TX (806)7
Hobbs NM (575-392-7550) Phoenix AZ (480-355-0900) Atlanta GA (770-449-8800) Tamp

880-4421 Chain of Custody

880-4421

page 1 of 1

8/10/2021

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

Program: UST/PST ☐ PRP ☐ Brownfields ☐ RRC ☐ Superfund ☐

State of Project:

Reporting Level II Level III ☐ PST/UST ☐ TRRP ☐ Level IV ☐

Deliverables EDD ☐ ADaPT ☐ Other:

Project Name	Dollarhide	Turn Around	
Project Number	55270	Routine	☐
P O Number	34032659	Rush	
Sampler's Name	David Fuller Joe Morales	Due Date	

SAMPLE RECEIPT				
Temp Blank.	Yes (No)	Wet Ice	(Yes) No	
Temperature (°C)	1.1 / 1.6	Thermometer ID	IR8	
Received Intact.	(Yes) No			
Cooler Custody Seals	Yes No (N/A)	Correction Factor	+0.5	
Sample Custody Seals	Yes No (N/A)	Total Containers		

Sample Identification	Matrix	Date Sampled	Time Sampled	Depth	Number of Containers	Chlorides	TDS
NM-MW-13-W-212607	GW	7-26	1055	—	1	X	X
NM-MW-11W-212607	GW	7-26	1125	—	1	X	X
NM-MW-11-WD-212607	GW	7-26	—	—	1	X	X
NM-MW-15-W-212607	GW	7-26	1040	—	1	X	X
NM-MW-17-W-212607	GW	7-26	1155	—	1	X	X
NM-MW-20-W-212607	GW	7-26	1215	—	1	X	X
NM-MW-21-W-212607	GW	7-26	1225	—	1	X	X
NM-MW-12-W-212607	GW	7-26	1305	—	1	X	X

ANALYSIS REQUEST

Work Order Notes

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

Sample Comments

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

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

Notice Signature of this document and relinquishment of samples constitutes a valid purchase order from client company to Xenco, its affiliates and subcontractors. It assigns standard terms and conditions of service. Xenco will be liable only for the cost of samples and shall not assume any responsibility for any losses or expenses incurred by the client if such losses are due to circumstances beyond the control of Xenco A minimum charge of $75.00 will be applied to each project and a charge of $5 for each sample submitted to Xenco, but not analyzed. These terms will be enforced unless previously negotiated.

Relinquished by (Signature)	Received by (Signature)	Date/Time	Relinquished by (Signature)	Received by (Signature)	Date/Time
1			2		
3			4		
5			6		

Revised Date 051418 Rev 2018.1

Login Sample Receipt Checklist

Client: GHD Services Inc.

Job Number: 880-4421-1
SDG Number: 55270

Login Number: 4421
List Number: 1
Creator: Phillips, Kerianna

List Source: Eurofins Xenco, Midland

Question	Answer	Comment
The cooler's custody seal, if present, is intact.	N/A	
Sample custody seals, if present, are intact.	N/A	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	N/A	

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ANALYTICAL REPORT

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

Laboratory Job ID: 880-4460-1
Laboratory Sample Delivery Group: 55270
Client Project/Site: Dollarhide

For:
GHD Services Inc.
2135 South Loop 250 West
Midland, Texas 79703

Attn: Christopher Knight

Debbie Simmons

Authorized for release by:
8/10/2021 4:58:02 PM

Debbie Simmons, Project Manager
(281)240-4200
debbie.simmons@eurofinset.com

Client: GHD Services Inc.
Project/Site: Dollarhide

Laboratory Job ID: 880-4460-1
SDG: 55270

Table of Contents

Definitions/Glossary

Client: GHD Services Inc. Job ID: 880-4460-1
Project/Site: Dollarhide SDG: 55270

Qualifiers

HPLC/IC

Qualifier	Qualifier Description
b	The compound was found in the blank and sample
J	Result is less than the MQL but greater than or equal to the SDL and the concentration is an estimated value.
U	Analyte was not detected at or above the SDL.

General Chemistry

Qualifier	Qualifier Description
U	Analyte was not detected at or above the SDL.

Glossary

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

Case Narrative

Client: GHD Services Inc. Job ID: 880-4460-1
Project/Site: Dollarhide SDG: 55270

Job ID: 880-4460-1

Laboratory: Eurofins Xenco, Midland

Narrative

Job Narrative
880-4460-1

Receipt
The samples were received on 7/29/2021 4:35 PM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 0.5°C

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

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

Client Sample Results

Client: GHD Services Inc. Job ID: 880-4460-1
Project/Site: Dollarhide SDG: 55270

Client Sample ID: MW-5-W-212807 Lab Sample ID: 880-4460-1

Date Collected: 07/28/21 10:55 **Matrix: Water**
Date Received: 07/29/21 16:35

Method: 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	251		5.00	0.210	mg/L			08/04/21 17:24	10

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	996		100	100	mg/L			08/01/21 13:58	1

Client Sample ID: MW-3-W-212807 Lab Sample ID: 880-4460-2

Date Collected: 07/28/21 11:15 **Matrix: Water**
Date Received: 07/29/21 16:35

Method: 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	654		5.00	0.210	mg/L			08/04/21 17:30	10

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	1390		100	100	mg/L			08/01/21 13:58	1

Client Sample ID: MW-4-W-212807 Lab Sample ID: 880-4460-3

Date Collected: 07/28/21 11:55 **Matrix: Water**
Date Received: 07/29/21 16:35

Method: 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	326		5.00	0.210	mg/L			08/04/21 17:35	10

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	951		50.0	50.0	mg/L			08/01/21 13:58	1

Client Sample ID: MW-14-W-212807 Lab Sample ID: 880-4460-4

Date Collected: 07/28/21 12:10 **Matrix: Water**
Date Received: 07/29/21 16:35

Method: 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	1780		25.0	1.05	mg/L			08/04/21 17:51	50

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	3180		200	200	mg/L			08/01/21 13:58	1

Client Sample ID: MW-13-W-212807 Lab Sample ID: 880-4460-5

Date Collected: 07/28/21 12:25 **Matrix: Water**
Date Received: 07/29/21 16:35

Method: 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	2030		25.0	1.05	mg/L			08/04/21 17:57	50

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	4280		200	200	mg/L			08/01/21 13:58	1

Eurofins Xenco, Midland

Client Sample Results

Client: GHD Services Inc. Job ID: 880-4460-1
Project/Site: Dollarhide SDG: 55270

Client Sample ID: MW-30-W-212807 Lab Sample ID: 880-4460-6

Date Collected: 07/28/21 12:40 **Matrix: Water**
Date Received: 07/29/21 16:35

Method: 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	2160		25.0	1.05	mg/L			08/04/21 18:13	50

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	3970		200	200	mg/L			08/01/21 13:58	1

Client Sample ID: MW-23-W-212807 Lab Sample ID: 880-4460-7

Date Collected: 07/28/21 13:25 **Matrix: Water**
Date Received: 07/29/21 16:35

Method: 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	7810		50.0	2.10	mg/L			08/04/21 18:19	100

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	13200		500	500	mg/L			08/01/21 13:58	1

Client Sample ID: MW-22-W-212807 Lab Sample ID: 880-4460-8

Date Collected: 07/28/21 13:40 **Matrix: Water**
Date Received: 07/29/21 16:35

Method: 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	13800		50.0	2.10	mg/L			08/04/21 18:24	100

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	21200		1000	1000	mg/L			08/01/21 13:58	1

Client Sample ID: Livermore-W-212807 Lab Sample ID: 880-4460-9

Date Collected: 07/28/21 12:50 **Matrix: Water**
Date Received: 07/29/21 16:35

Method: 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	2200		25.0	1.05	mg/L			08/04/21 18:30	50

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	4260		200	200	mg/L			08/01/21 13:58	1

Client Sample ID: Livermore-WD-212807 Lab Sample ID: 880-4460-10

Date Collected: 07/28/21 00:00 **Matrix: Water**
Date Received: 07/29/21 16:35

Method: 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	2190		25.0	1.05	mg/L			08/04/21 18:35	50

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	4220		200	200	mg/L			08/01/21 13:58	1

Eurofins Xenco, Midland

Client Sample Results

Client: GHD Services Inc. Job ID: 880-4460-1
Project/Site: Dollarhide SDG: 55270

Client Sample ID: MW-17-W-212807 Lab Sample ID: 880-4460-11

Date Collected: 07/28/21 14:00 **Matrix: Water**
Date Received: 07/29/21 16:35

Method: 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	8050		50.0	2.10	mg/L			08/04/21 18:41	100

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	13900		500	500	mg/L			08/01/21 13:58	1

Client Sample ID: MW-21-W-212807 Lab Sample ID: 880-4460-12

Date Collected: 07/28/21 14:10 **Matrix: Water**
Date Received: 07/29/21 16:35

Method: 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	6550		25.0	1.05	mg/L			08/04/21 18:46	50

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	11200		500	500	mg/L			08/01/21 13:58	1

Client Sample ID: MW-15-W-212807 Lab Sample ID: 880-4460-13

Date Collected: 07/28/21 14:30 **Matrix: Water**
Date Received: 07/29/21 16:35

Method: 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	1150	b	10.0	0.421	mg/L			08/03/21 14:30	20

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	1870		100	100	mg/L			08/01/21 13:58	1

Client Sample ID: MW-16-W-212807 Lab Sample ID: 880-4460-14

Date Collected: 07/28/21 14:40 **Matrix: Water**
Date Received: 07/29/21 16:35

Method: 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	534	b	5.00	0.210	mg/L			08/03/21 14:47	10

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	1270		100	100	mg/L			08/01/21 13:58	1

Client Sample ID: MW-16-WD-212807 Lab Sample ID: 880-4460-15

Date Collected: 07/28/21 00:00 **Matrix: Water**
Date Received: 07/29/21 16:35

Method: 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	564	b	5.00	0.210	mg/L			08/03/21 14:52	10

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	1270		100	100	mg/L			08/01/21 13:58	1

Eurofins Xenco, Midland

QC Sample Results

Client: GHD Services Inc.
Project/Site: Dollarhide

Job ID: 880-4460-1
SDG: 55270

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-6011/3
Matrix: Water
Analysis Batch: 6011

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	0.02257	J	0.500	0.0210	mg/L			08/03/21 13:42	1

Lab Sample ID: LCS 880-6011/4
Matrix: Water
Analysis Batch: 6011

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

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
Chloride			25.0	23.97		mg/L		96	90 - 110		

Lab Sample ID: LCSD 880-6011/5
Matrix: Water
Analysis Batch: 6011

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

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Chloride			25.0	23.93		mg/L		96	90 - 110	0	20

Lab Sample ID: 880-4460-13 MS
Matrix: Water
Analysis Batch: 6011

Client Sample ID: MW-15-W-212807
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits		
Chloride	1150	b	500	1634		mg/L		97	90 - 110		

Lab Sample ID: 880-4460-13 MSD
Matrix: Water
Analysis Batch: 6011

Client Sample ID: MW-15-W-212807
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Chloride	1150	b	500	1631		mg/L		96	90 - 110	0	20

Lab Sample ID: MB 880-6014/3
Matrix: Water
Analysis Batch: 6014

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<0.0210	U	0.500	0.0210	mg/L			08/04/21 16:02	1

Lab Sample ID: LCS 880-6014/4
Matrix: Water
Analysis Batch: 6014

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

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
Chloride			25.0	24.01		mg/L		96	90 - 110		

Lab Sample ID: LCSD 880-6014/5
Matrix: Water
Analysis Batch: 6014

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

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Chloride			25.0	24.05		mg/L		96	90 - 110	0	20

QC Sample Results

Client: GHD Services Inc. Job ID: 880-4460-1
Project/Site: Dollarhide SDG: 55270

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: 880-4460-3 MS **Client Sample ID: MW-4-W-212807**
Matrix: Water **Prep Type: Total/NA**
Analysis Batch: 6014

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Chloride	326		250	596.9		mg/L		108	90 - 110

Lab Sample ID: 880-4460-3 MSD **Client Sample ID: MW-4-W-212807**
Matrix: Water **Prep Type: Total/NA**
Analysis Batch: 6014

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Chloride	326		250	594.6		mg/L		107	90 - 110	0	20

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

Lab Sample ID: MB 880-6059/1 **Client Sample ID: Method Blank**
Matrix: Water **Prep Type: Total/NA**
Analysis Batch: 6059

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	<25.0	U	25.0	25.0	mg/L			08/01/21 13:58	1

Lab Sample ID: LCS 880-6059/2 **Client Sample ID: Lab Control Sample**
Matrix: Water **Prep Type: Total/NA**
Analysis Batch: 6059

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Total Dissolved Solids	1000	1010		mg/L		101	80 - 120

Lab Sample ID: LCSD 880-6059/3 **Client Sample ID: Lab Control Sample Dup**
Matrix: Water **Prep Type: Total/NA**
Analysis Batch: 6059

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Total Dissolved Solids	1000	1003		mg/L		100	80 - 120	1	10

Lab Sample ID: 880-4460-3 DU **Client Sample ID: MW-4-W-212807**
Matrix: Water **Prep Type: Total/NA**
Analysis Batch: 6059

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Total Dissolved Solids	951		977.0		mg/L		3	10

Lab Sample ID: MB 880-6070/1 **Client Sample ID: Method Blank**
Matrix: Water **Prep Type: Total/NA**
Analysis Batch: 6070

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	<25.0	U	25.0	25.0	mg/L			08/01/21 13:58	1

QC Sample Results

Client: GHD Services Inc. Job ID: 880-4460-1
Project/Site: Dollarhide SDG: 55270

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

Lab Sample ID: LCS 880-6070/2 **Client Sample ID: Lab Control Sample**
Matrix: Water **Prep Type: Total/NA**
Analysis Batch: 6070

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
Total Dissolved Solids			1000	986.0		mg/L		99	80 - 120		

Lab Sample ID: LCSD 880-6070/3 **Client Sample ID: Lab Control Sample Dup**
Matrix: Water **Prep Type: Total/NA**
Analysis Batch: 6070

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Total Dissolved Solids			1000	988.0		mg/L		99	80 - 120	0	10

Lab Sample ID: 880-4460-13 DU **Client Sample ID: MW-15-W-212807**
Matrix: Water **Prep Type: Total/NA**
Analysis Batch: 6070

Analyte	Sample Result	Sample Qualifier		DU Result	DU Qualifier	Unit	D			RPD	RPD Limit
Total Dissolved Solids	1870			1900		mg/L				1	10

QC Association Summary

Client: GHD Services Inc.
Project/Site: Dollarhide

Job ID: 880-4460-1
SDG: 55270

HPLC/IC

Analysis Batch: 6011

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-4460-13	MW-15-W-212807	Total/NA	Water	300.0	
880-4460-14	MW-16-W-212807	Total/NA	Water	300.0	
880-4460-15	MW-16-WD-212807	Total/NA	Water	300.0	
MB 880-6011/3	Method Blank	Total/NA	Water	300.0	
LCS 880-6011/4	Lab Control Sample	Total/NA	Water	300.0	
LCSD 880-6011/5	Lab Control Sample Dup	Total/NA	Water	300.0	
880-4460-13 MS	MW-15-W-212807	Total/NA	Water	300.0	
880-4460-13 MSD	MW-15-W-212807	Total/NA	Water	300.0	

Analysis Batch: 6014

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-4460-1	MW-5-W-212807	Total/NA	Water	300.0	
880-4460-2	MW-3-W-212807	Total/NA	Water	300.0	
880-4460-3	MW-4-W-212807	Total/NA	Water	300.0	
880-4460-4	MW-14-W-212807	Total/NA	Water	300.0	
880-4460-5	MW-13-W-212807	Total/NA	Water	300.0	
880-4460-6	MW-30-W-212807	Total/NA	Water	300.0	
880-4460-7	MW-23-W-212807	Total/NA	Water	300.0	
880-4460-8	MW-22-W-212807	Total/NA	Water	300.0	
880-4460-9	Livermore-W-212807	Total/NA	Water	300.0	
880-4460-10	Livermore-WD-212807	Total/NA	Water	300.0	
880-4460-11	MW-17-W-212807	Total/NA	Water	300.0	
880-4460-12	MW-21-W-212807	Total/NA	Water	300.0	
MB 880-6014/3	Method Blank	Total/NA	Water	300.0	
LCS 880-6014/4	Lab Control Sample	Total/NA	Water	300.0	
LCSD 880-6014/5	Lab Control Sample Dup	Total/NA	Water	300.0	
880-4460-3 MS	MW-4-W-212807	Total/NA	Water	300.0	
880-4460-3 MSD	MW-4-W-212807	Total/NA	Water	300.0	

General Chemistry

Analysis Batch: 6059

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-4460-1	MW-5-W-212807	Total/NA	Water	SM 2540C	
880-4460-2	MW-3-W-212807	Total/NA	Water	SM 2540C	
880-4460-3	MW-4-W-212807	Total/NA	Water	SM 2540C	
880-4460-4	MW-14-W-212807	Total/NA	Water	SM 2540C	
880-4460-5	MW-13-W-212807	Total/NA	Water	SM 2540C	
880-4460-6	MW-30-W-212807	Total/NA	Water	SM 2540C	
880-4460-7	MW-23-W-212807	Total/NA	Water	SM 2540C	
880-4460-8	MW-22-W-212807	Total/NA	Water	SM 2540C	
880-4460-9	Livermore-W-212807	Total/NA	Water	SM 2540C	
880-4460-10	Livermore-WD-212807	Total/NA	Water	SM 2540C	
880-4460-11	MW-17-W-212807	Total/NA	Water	SM 2540C	
880-4460-12	MW-21-W-212807	Total/NA	Water	SM 2540C	
MB 880-6059/1	Method Blank	Total/NA	Water	SM 2540C	
LCS 880-6059/2	Lab Control Sample	Total/NA	Water	SM 2540C	
LCSD 880-6059/3	Lab Control Sample Dup	Total/NA	Water	SM 2540C	
880-4460-3 DU	MW-4-W-212807	Total/NA	Water	SM 2540C	

QC Association Summary

Client: GHD Services Inc. Job ID: 880-4460-1
Project/Site: Dollarhide SDG: 55270

General Chemistry

Analysis Batch: 6070

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-4460-13	MW-15-W-212807	Total/NA	Water	SM 2540C	
880-4460-14	MW-16-W-212807	Total/NA	Water	SM 2540C	
880-4460-15	MW-16-WD-212807	Total/NA	Water	SM 2540C	
MB 880-6070/1	Method Blank	Total/NA	Water	SM 2540C	
LCS 880-6070/2	Lab Control Sample	Total/NA	Water	SM 2540C	
LCSD 880-6070/3	Lab Control Sample Dup	Total/NA	Water	SM 2540C	
880-4460-13 DU	MW-15-W-212807	Total/NA	Water	SM 2540C	

Lab Chronicle

Client: GHD Services Inc. Job ID: 880-4460-1
Project/Site: Dollarhide SDG: 55270

Client Sample ID: MW-5-W-212807 Lab Sample ID: 880-4460-1

Date Collected: 07/28/21 10:55 **Matrix: Water**
Date Received: 07/29/21 16:35

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	300.0		10			6014	08/04/21 17:24	CH	XEN MID
Total/NA	Analysis	SM 2540C		1	50 mL	200 mL	6059	08/01/21 13:58	SC	XEN MID

Client Sample ID: MW-3-W-212807 Lab Sample ID: 880-4460-2

Date Collected: 07/28/21 11:15 **Matrix: Water**
Date Received: 07/29/21 16:35

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	300.0		10			6014	08/04/21 17:30	CH	XEN MID
Total/NA	Analysis	SM 2540C		1	50 mL	200 mL	6059	08/01/21 13:58	SC	XEN MID

Client Sample ID: MW-4-W-212807 Lab Sample ID: 880-4460-3

Date Collected: 07/28/21 11:55 **Matrix: Water**
Date Received: 07/29/21 16:35

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	300.0		10			6014	08/04/21 17:35	CH	XEN MID
Total/NA	Analysis	SM 2540C		1	100 mL	200 mL	6059	08/01/21 13:58	SC	XEN MID

Client Sample ID: MW-14-W-212807 Lab Sample ID: 880-4460-4

Date Collected: 07/28/21 12:10 **Matrix: Water**
Date Received: 07/29/21 16:35

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	300.0		50			6014	08/04/21 17:51	CH	XEN MID
Total/NA	Analysis	SM 2540C		1	25 mL	200 mL	6059	08/01/21 13:58	SC	XEN MID

Client Sample ID: MW-13-W-212807 Lab Sample ID: 880-4460-5

Date Collected: 07/28/21 12:25 **Matrix: Water**
Date Received: 07/29/21 16:35

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	300.0		50			6014	08/04/21 17:57	CH	XEN MID
Total/NA	Analysis	SM 2540C		1	25 mL	200 mL	6059	08/01/21 13:58	SC	XEN MID

Client Sample ID: MW-30-W-212807 Lab Sample ID: 880-4460-6

Date Collected: 07/28/21 12:40 **Matrix: Water**
Date Received: 07/29/21 16:35

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	300.0		50			6014	08/04/21 18:13	CH	XEN MID
Total/NA	Analysis	SM 2540C		1	25 mL	200 mL	6059	08/01/21 13:58	SC	XEN MID

Lab Chronicle

Client: GHD Services Inc. Job ID: 880-4460-1
Project/Site: Dollarhide SDG: 55270

Client Sample ID: MW-23-W-212807 Lab Sample ID: 880-4460-7

Date Collected: 07/28/21 13:25 **Matrix: Water**
Date Received: 07/29/21 16:35

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	300.0		100			6014	08/04/21 18:19	CH	XEN MID
Total/NA	Analysis	SM 2540C		1	10 mL	200 mL	6059	08/01/21 13:58	SC	XEN MID

Client Sample ID: MW-22-W-212807 Lab Sample ID: 880-4460-8

Date Collected: 07/28/21 13:40 **Matrix: Water**
Date Received: 07/29/21 16:35

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	300.0		100			6014	08/04/21 18:24	CH	XEN MID
Total/NA	Analysis	SM 2540C		1	5 mL	200 mL	6059	08/01/21 13:58	SC	XEN MID

Client Sample ID: Livermore-W-212807 Lab Sample ID: 880-4460-9

Date Collected: 07/28/21 12:50 **Matrix: Water**
Date Received: 07/29/21 16:35

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	300.0		50			6014	08/04/21 18:30	CH	XEN MID
Total/NA	Analysis	SM 2540C		1	25 mL	200 mL	6059	08/01/21 13:58	SC	XEN MID

Client Sample ID: Livermore-WD-212807 Lab Sample ID: 880-4460-10

Date Collected: 07/28/21 00:00 **Matrix: Water**
Date Received: 07/29/21 16:35

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	300.0		50			6014	08/04/21 18:35	CH	XEN MID
Total/NA	Analysis	SM 2540C		1	25 mL	200 mL	6059	08/01/21 13:58	SC	XEN MID

Client Sample ID: MW-17-W-212807 Lab Sample ID: 880-4460-11

Date Collected: 07/28/21 14:00 **Matrix: Water**
Date Received: 07/29/21 16:35

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	300.0		100			6014	08/04/21 18:41	CH	XEN MID
Total/NA	Analysis	SM 2540C		1	10 mL	200 mL	6059	08/01/21 13:58	SC	XEN MID

Client Sample ID: MW-21-W-212807 Lab Sample ID: 880-4460-12

Date Collected: 07/28/21 14:10 **Matrix: Water**
Date Received: 07/29/21 16:35

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	300.0		50			6014	08/04/21 18:46	CH	XEN MID
Total/NA	Analysis	SM 2540C		1	10 mL	200 mL	6059	08/01/21 13:58	SC	XEN MID

Lab Chronicle

Client: GHD Services Inc. Job ID: 880-4460-1
Project/Site: Dollarhide SDG: 55270

Client Sample ID: MW-15-W-212807 Lab Sample ID: 880-4460-13

Date Collected: 07/28/21 14:30 **Matrix: Water**
Date Received: 07/29/21 16:35

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	300.0		20			6011	08/03/21 14:30	CH	XEN MID
Total/NA	Analysis	SM 2540C		1	50 mL	200 mL	6070	08/01/21 13:58	SC	XEN MID

Client Sample ID: MW-16-W-212807 Lab Sample ID: 880-4460-14

Date Collected: 07/28/21 14:40 **Matrix: Water**
Date Received: 07/29/21 16:35

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	300.0		10			6011	08/03/21 14:47	CH	XEN MID
Total/NA	Analysis	SM 2540C		1	50 mL	200 mL	6070	08/01/21 13:58	SC	XEN MID

Client Sample ID: MW-16-WD-212807 Lab Sample ID: 880-4460-15

Date Collected: 07/28/21 00:00 **Matrix: Water**
Date Received: 07/29/21 16:35

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	300.0		10			6011	08/03/21 14:52	CH	XEN MID
Total/NA	Analysis	SM 2540C		1	50 mL	200 mL	6070	08/01/21 13:58	SC	XEN MID

Laboratory References:

XEN MID = Eurofins Xenco, Midland, 1211 W. Florida Ave, Midland, TX 79701, TEL (432)704-5440

Accreditation/Certification Summary

Client: GHD Services Inc.
Job ID: 880-4460-1
Project/Site: Dollarhide
SDG: 55270

Laboratory: Eurofins Xenco, Midland

The accreditations/certifications listed below are applicable to this report.

Authority	Program	Identification Number	Expiration Date
Texas	NELAP	T104704400-20-21	06-30-22

Method Summary

Client: GHD Services Inc.
Project/Site: Dollarhide

Job ID: 880-4460-1
SDG: 55270

Method	Method Description	Protocol	Laboratory
300.0	Anions, Ion Chromatography	MCAWW	XEN MID
SM 2540C	Solids, Total Dissolved (TDS)	SM	XEN MID

Protocol References:

MCAWW = "Methods For Chemical Analysis Of Water And Wastes", EPA-600/4-79-020, March 1983 And Subsequent Revisions.

SM = "Standard Methods For The Examination Of Water And Wastewater"

Laboratory References:

XEN MID = Eurofins Xenco, Midland, 1211 W. Florida Ave, Midland, TX 79701, TEL (432)704-5440

Sample Summary

Client: GHD Services Inc.
Project/Site: Dollarhide

Job ID: 880-4460-1
SDG: 55270

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
880-4460-1	MW-5-W-212807	Water	07/28/21 10:55	07/29/21 16:35
880-4460-2	MW-3-W-212807	Water	07/28/21 11:15	07/29/21 16:35
880-4460-3	MW-4-W-212807	Water	07/28/21 11:55	07/29/21 16:35
880-4460-4	MW-14-W-212807	Water	07/28/21 12:10	07/29/21 16:35
880-4460-5	MW-13-W-212807	Water	07/28/21 12:25	07/29/21 16:35
880-4460-6	MW-30-W-212807	Water	07/28/21 12:40	07/29/21 16:35
880-4460-7	MW-23-W-212807	Water	07/28/21 13:25	07/29/21 16:35
880-4460-8	MW-22-W-212807	Water	07/28/21 13:40	07/29/21 16:35
880-4460-9	Livermore-W-212807	Water	07/28/21 12:50	07/29/21 16:35
880-4460-10	Livermore-WD-212807	Water	07/28/21 00:00	07/29/21 16:35
880-4460-11	MW-17-W-212807	Water	07/28/21 14:00	07/29/21 16:35
880-4460-12	MW-21-W-212807	Water	07/28/21 14:10	07/29/21 16:35
880-4460-13	MW-15-W-212807	Water	07/28/21 14:30	07/29/21 16:35
880-4460-14	MW-16-W-212807	Water	07/28/21 14:40	07/29/21 16:35
880-4460-15	MW-16-WD-212807	Water	07/28/21 00:00	07/29/21 16:35

XENCO LABORATORIES

Chain of Custo

Houston TX (281) 240-4200 Dallas TX (214) 902-0300 San A
Midland TX (432-704-5440) EL Paso TX (915)585-3443 Lub
Hobbs NM (575-392-7550) Phoenix,AZ (480-355-0900) Atlanta GA (770-4

880-4460 Chain of Custody

rder No: 880-4460

ico 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

Work Order Comments

Program: UST/PST ☐ PRP ☐ Brownfields ☐ RRC ☐ Superfund ☐

State of Project:

Reporting Level II Level III ☐ PST/UST ☐ TRRP ☐ Level IV ☐

Deliverables EDD ☐ ADaPT ☐ Other

Project Name	Dollarhide	Turn Around	
Project Number	55270	Routine	☒
P O Number	34032659	Rush	
Sampler's Name	David Fletcher Joe Martin	Due Date	

SAMPLE RECEIPT				
Temp Blank	Yes (No)	Wet Ice	(Yes) No	
Temperature (°C)	0/0.5	Thermometer ID	IR8	
Received Intact	(Yes) No			
Cooler Custody Seals	Yes No (N/A)	Correction Factor	+0.5	
Sample Custody Seals	Yes No (N/A)	Total Containers		

ANALYSIS REQUEST

Sample Identification	Matrix	Date Sampled	Time Sampled	Depth	Number of Containers	Chlorides	TDS
MW-5-W-212507	GW	7-28	1055	—	1	X	X
MW-3-W-212807	GW	7-28	1115	—	1	X	X
MW-4-W-212507	GW	7-28	1155	—	1	X	X
MW-14-W-212807	GW	7-28	1210	—	1	X	X
MW-13-W-212807	GW	7-28	1225	—	1	X	X
MW-30-W-212807	GW	7-28	1240	—	1	X	X
MW-23-W-212807	GW	7-28	1325	—	1	X	X
MW-22-W-212807	GW	7-28	1340	—	1	X	X
Livermore-W-212807	GW	7-28	1250	—	1	X	X
Livermore-WD-212807	GW	7-28	—	—	1	X	X

Work Order Notes

TAT starts the day received by the lab if received by 4 30pm

Sample Comments

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

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

Notice Signature of this document and relinquishment of samples constitutes a valid purchase order from client company to Xenco, its affiliates and subcontractors. It assigns standard terms and conditions of service. Xenco will be liable only for the cost of samples and shall not assume any responsibility for any losses or expenses incurred by the client if such losses are due to circumstances beyond the control of Xenco. A minimum charge of $75.00 will be applied to each project and a charge of $5 for each sample submitted to Xenco, but not analyzed These terms will be enforced unless previously negotiated

Relinquished by (Signature)	Received by (Signature)	Date/Time	Relinquished by: (Signature)	Received by (Signature)	Date/Time
1 Joe Martin	KELLY	7/28/21 1635	2		
3			4		
5			6		

Revised Date 051418 Rev 2018.1

Chain of Custody

XENCO LABORATORIES

Houston TX (281) 240-4200 Dallas TX (214) 902-0300 San Antonio TX (210) 509-3334
Midland TX (432-704-5440) EL Paso TX (915)585-3443 Lubbock TX (806)794-1296
Hobbs NM (575-392-7550) Phoenix,AZ (480-355-0900) Atlanta GA (770-449-8800) Tampa FL (813-620-2000)

Work Order No: 880-44160

www.xenco.com Page 2 of 2

8/10/2021

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

Program: UST/PST ☐ PRP ☐ Brownfields ☐ RRC ☐ Superfund ☐

State of Project:

Reporting Level II Level III ☐ PST/UST ☐ TRRP ☐ Level IV ☐

Deliverables EDD ☐ ADaPT ☐ Other:

Project Name	Dollarhide	Turn Around	
Project Number	55270	Routine	☒
P O Number	34032659	Rush	
Sampler's Name	David Fletcher Joe Mirelez	Due Date	

SAMPLE RECEIPT				
Temp Blank	Yes (No)	Wet Ice	(Yes) No	
Temperature (°C)	0/0.5	Thermometer ID		
Received Intact	(Yes) No		IR8	
Cooler Custody Seals	Yes No (N/A)	Correction Factor	+0.5	
Sample Custody Seals	Yes No (N/A)	Total Containers		

ANALYSIS REQUEST

Sample Identification	Matrix	Date Sampled	Time Sampled	Depth	Number of Containers	Chlorides	TDS
MW-12-W-212807	GW	7-28	1400	—	1	X	X
MW-21-W-212807	GW	7-28	1410	—	1	X	X
MW-15-W-212807	GW	7-28	1430	—	1	X	X
MW-16-W-212807	GW	7-28	1440	—	1	X	X
MW-16-WD-212807	GW	7-28		—	1	X	X

Work Order Notes

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

Sample Comments

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

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

Notice: Signature of this document and relinquishment of samples constitutes a valid purchase order from client company to Xenco, its affiliates and subcontractors. It assigns standard terms and conditions of service. Xenco will be liable only for the cost of samples and shall not assume any responsibility for any losses or expenses incurred by the client if such losses are due to circumstances beyond the control of Xenco. A minimum charge of $75.00 will be applied to each project and a charge of $5 for each sample submitted to Xenco, but not analyzed. These terms will be enforced unless previously negotiated.

	Relinquished by (Signature)	Received by (Signature)	Date/Time		Relinquished by (Signature)	Received by (Signature)	Date/Time
1	Joe Mirelez		7/28/21 1635	2			
3				4			
5				6			

Revised Date 051418 Rev 2018 1

Login Sample Receipt Checklist

Client: GHD Services Inc.

Job Number: 880-4460-1
SDG Number: 55270

Login Number: 4460
List Number: 1
Creator: Phillips, Kerianna

List Source: Eurofins Xenco, Midland

Question	Answer	Comment
The cooler's custody seal, if present, is intact.	N/A	
Sample custody seals, if present, are intact.	N/A	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	N/A	

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ANALYTICAL REPORT

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

Laboratory Job ID: 880-10726-1
Laboratory Sample Delivery Group: 12564966-02
Client Project/Site: Scout EP-Dollarhide

For:
GHD Services Inc.
2135 South Loop 250 West
Midland, Texas 79703

Attn: Nick G. Casten

Debbie Simmons

Authorized for release by:
2/4/2022 5:33:54 PM

Debbie Simmons, Project Manager
(832)986-6768
debbie.simmons@eurofinset.com

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

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

Client: GHD Services Inc.
Project/Site: Scout EP-Dollarhide

Laboratory Job ID: 880-10726-1
SDG: 12564966-02

Table of Contents

Definitions/Glossary

Client: GHD Services Inc. Job ID: 880-10726-1
Project/Site: Scout EP-Dollarhide SDG: 12564966-02

Qualifiers

HPLC/IC

Qualifier	Qualifier Description
4	MS, MSD: The analyte present in the original sample is greater than 4 times the matrix spike concentration; therefore, control limits are not applicable.
U	Analyte was not detected at or above the SDL.

General Chemistry

Qualifier	Qualifier Description
U	Analyte was not detected at or above the SDL.

Glossary

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

Case Narrative

Client: GHD Services Inc. Job ID: 880-10726-1
Project/Site: Scout EP-Dollarhide SDG: 12564966-02

Job ID: 880-10726-1

Laboratory: Eurofins Midland

Narrative

Job Narrative
880-10726-1

Receipt
The samples were received on 1/28/2022 4:16 PM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 0.3°C

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

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

Client Sample Results

Client: GHD Services Inc. Job ID: 880-10726-1
Project/Site: Scout EP-Dollarhide SDG: 12564966-02

Client Sample ID: NM-MW-12-W-222701 Lab Sample ID: 880-10726-1

Date Collected: 01/27/22 10:50 **Matrix: Water**
Date Received: 01/28/22 16:16

Method: 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	417		0.500	0.200	mg/L			02/01/22 23:16	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	1190		100	100	mg/L			02/02/22 10:51	1

Client Sample ID: NM-MW-17-W-222701 Lab Sample ID: 880-10726-2

Date Collected: 01/27/22 11:30 **Matrix: Water**
Date Received: 01/28/22 16:16

Method: 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	212		0.500	0.200	mg/L			02/02/22 03:20	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	1140		50.0	50.0	mg/L			02/02/22 10:51	1

Client Sample ID: NM-MW-20-W-222701 Lab Sample ID: 880-10726-3

Date Collected: 01/27/22 11:55 **Matrix: Water**
Date Received: 01/28/22 16:16

Method: 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	20.8		0.500	0.200	mg/L			02/02/22 01:01	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	402		50.0	50.0	mg/L			02/02/22 10:51	1

Client Sample ID: NM-MW-21-W-222701 Lab Sample ID: 880-10726-4

Date Collected: 01/27/22 12:10 **Matrix: Water**
Date Received: 01/28/22 16:16

Method: 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	26.9		0.500	0.200	mg/L			02/02/22 01:12	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	536		50.0	50.0	mg/L			02/02/22 10:51	1

QC Sample Results

Client: GHD Services Inc.
Project/Site: Scout EP-Dollarhide

Job ID: 880-10726-1
SDG: 12564966-02

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 860-39779/67
Matrix: Water
Analysis Batch: 39779

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<0.200	U	0.500	0.200	mg/L			02/01/22 22:41	1

Lab Sample ID: LCS 860-39779/68
Matrix: Water
Analysis Batch: 39779

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Chloride	10.0	10.37		mg/L		104	90 - 110

Lab Sample ID: LCSD 860-39779/69
Matrix: Water
Analysis Batch: 39779

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

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Chloride	10.0	10.76		mg/L		108	90 - 110	4	20

Lab Sample ID: 880-10726-1 MS
Matrix: Water
Analysis Batch: 39779

Client Sample ID: NM-MW-12-W-222701
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Chloride	417		10.0	420.7	4	mg/L		32	90 - 110

Lab Sample ID: 880-10726-1 MSD
Matrix: Water
Analysis Batch: 39779

Client Sample ID: NM-MW-12-W-222701
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Chloride	417		10.0	420.4	4	mg/L		30	90 - 110	0	20

Lab Sample ID: 880-10726-2 MS
Matrix: Water
Analysis Batch: 39779

Client Sample ID: NM-MW-17-W-222701
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Chloride	212		10.0	218.9	4	mg/L		70	90 - 110

Lab Sample ID: 880-10726-2 MSD
Matrix: Water
Analysis Batch: 39779

Client Sample ID: NM-MW-17-W-222701
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Chloride	212		10.0	218.9	4	mg/L		70	90 - 110	0	20

QC Sample Results

Client: GHD Services Inc.
Project/Site: Scout EP-Dollarhide

Job ID: 880-10726-1
SDG: 12564966-02

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

Lab Sample ID: MB 860-39958/1
Matrix: Water
Analysis Batch: 39958

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	<25.0	U	25.0	25.0	mg/L			02/02/22 10:51	1

Lab Sample ID: LCS 860-39958/2
Matrix: Water
Analysis Batch: 39958

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

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
Total Dissolved Solids			1000	1152		mg/L		115	80 - 120		

Lab Sample ID: LCSD 860-39958/3
Matrix: Water
Analysis Batch: 39958

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

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Total Dissolved Solids			1000	1142		mg/L		114	80 - 120	1	10

QC Association Summary

Client: GHD Services Inc. Job ID: 880-10726-1
Project/Site: Scout EP-Dollarhide SDG: 12564966-02

HPLC/IC

Analysis Batch: 39779

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-10726-1	NM-MW-12-W-222701	Total/NA	Water	300.0	
880-10726-2	NM-MW-17-W-222701	Total/NA	Water	300.0	
880-10726-3	NM-MW-20-W-222701	Total/NA	Water	300.0	
880-10726-4	NM-MW-21-W-222701	Total/NA	Water	300.0	
MB 860-39779/67	Method Blank	Total/NA	Water	300.0	
LCS 860-39779/68	Lab Control Sample	Total/NA	Water	300.0	
LCSD 860-39779/69	Lab Control Sample Dup	Total/NA	Water	300.0	
880-10726-1 MS	NM-MW-12-W-222701	Total/NA	Water	300.0	
880-10726-1 MSD	NM-MW-12-W-222701	Total/NA	Water	300.0	
880-10726-2 MS	NM-MW-17-W-222701	Total/NA	Water	300.0	
880-10726-2 MSD	NM-MW-17-W-222701	Total/NA	Water	300.0	

General Chemistry

Analysis Batch: 39958

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-10726-1	NM-MW-12-W-222701	Total/NA	Water	SM 2540C	
880-10726-2	NM-MW-17-W-222701	Total/NA	Water	SM 2540C	
880-10726-3	NM-MW-20-W-222701	Total/NA	Water	SM 2540C	
880-10726-4	NM-MW-21-W-222701	Total/NA	Water	SM 2540C	
MB 860-39958/1	Method Blank	Total/NA	Water	SM 2540C	
LCS 860-39958/2	Lab Control Sample	Total/NA	Water	SM 2540C	
LCSD 860-39958/3	Lab Control Sample Dup	Total/NA	Water	SM 2540C	

Lab Chronicle

Client: GHD Services Inc. Job ID: 880-10726-1
Project/Site: Scout EP-Dollarhide SDG: 12564966-02

Client Sample ID: NM-MW-12-W-222701 Lab Sample ID: 880-10726-1

Date Collected: 01/27/22 10:50 **Matrix: Water**
Date Received: 01/28/22 16:16

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	300.0		1			39779	02/01/22 23:16	ANP	XEN STF
Total/NA	Analysis	SM 2540C		1	50 mL	1000 mL	39958	02/02/22 10:51	ADL	XEN STF

Client Sample ID: NM-MW-17-W-222701 Lab Sample ID: 880-10726-2

Date Collected: 01/27/22 11:30 **Matrix: Water**
Date Received: 01/28/22 16:16

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	300.0		1			39779	02/02/22 03:20	ANP	XEN STF
Total/NA	Analysis	SM 2540C		1	100 mL	1000 mL	39958	02/02/22 10:51	ADL	XEN STF

Client Sample ID: NM-MW-20-W-222701 Lab Sample ID: 880-10726-3

Date Collected: 01/27/22 11:55 **Matrix: Water**
Date Received: 01/28/22 16:16

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	300.0		1			39779	02/02/22 01:01	ANP	XEN STF
Total/NA	Analysis	SM 2540C		1	100 mL	1000 mL	39958	02/02/22 10:51	ADL	XEN STF

Client Sample ID: NM-MW-21-W-222701 Lab Sample ID: 880-10726-4

Date Collected: 01/27/22 12:10 **Matrix: Water**
Date Received: 01/28/22 16:16

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	300.0		1			39779	02/02/22 01:12	ANP	XEN STF
Total/NA	Analysis	SM 2540C		1	100 mL	1000 mL	39958	02/02/22 10:51	ADL	XEN STF

Laboratory References:

XEN STF = Eurofins Houston, 4145 Greenbriar Dr, Stafford, TX 77477, TEL (281)240-4200

Accreditation/Certification Summary

Client: GHD Services Inc. Job ID: 880-10726-1
Project/Site: Scout EP-Dollarhide SDG: 12564966-02

Laboratory: Eurofins Houston

The accreditations/certifications listed below are applicable to this report.

Authority	Program	Identification Number	Expiration Date
Texas	NELAP	T104704215-21-44	06-30-22

Method Summary

Client: GHD Services Inc.
Project/Site: Scout EP-Dollarhide

Job ID: 880-10726-1
SDG: 12564966-02

Method	Method Description	Protocol	Laboratory
300.0	Anions, Ion Chromatography	MCAWW	XEN STF
SM 2540C	Solids, Total Dissolved (TDS)	SM	XEN STF

Protocol References:

MCAWW = "Methods For Chemical Analysis Of Water And Wastes", EPA-600/4-79-020, March 1983 And Subsequent Revisions.

SM = "Standard Methods For The Examination Of Water And Wastewater"

Laboratory References:

XEN STF = Eurofins Houston, 4145 Greenbriar Dr, Stafford, TX 77477, TEL (281)240-4200

Sample Summary

Client: GHD Services Inc.
Project/Site: Scout EP-Dollarhide

Job ID: 880-10726-1
SDG: 12564966-02

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
880-10726-1	NM-MW-12-W-222701	Water	01/27/22 10:50	01/28/22 16:16
880-10726-2	NM-MW-17-W-222701	Water	01/27/22 11:30	01/28/22 16:16
880-10726-3	NM-MW-20-W-222701	Water	01/27/22 11:55	01/28/22 16:16
880-10726-4	NM-MW-21-W-222701	Water	01/27/22 12:10	01/28/22 16:16

Eurofins Midland
1211 W Florida Ave
Midland TX 79701
Phone (432) 704-5440

Chain of Custody Record

eurofins Environment Testing America

10726

Client Information	Sampler: Joe Murele, Mitch Clemens	Lab PM: Simmons Debbie	Carrier Tracking No(s):	COC No: 880-2342-191 1
Client Contact: Nick Casten	Phone: 432 559 6337	E-Mail: debbie simmons@eurofinset com	State of Origin:	Page: Page 1 of 1
Company: GHD Services Inc	PWSID:			Job #:

Address	Due Date Requested	Analysis Requested	Preservation Codes
2135 South Loop 250 West			A HCL M Hexane B NaOH N None C Zn Acetate O AsNaO2 D Nitric Acid P Na2O4S E NaHSO4 Q Na2SO3 F MeOH R Na2S2O3 G Amchlor S H2SO4 H Ascorbic Acid T TSP Dodecahydrate I Ice U Acetone J DI Water V MCAA K EDTA W pH 4-5 L EDA Z other (specify)
City: Midland	TAT Requested (days):		
State Zip: TX, 79703	Compliance Project: Δ Yes Δ No		
Phone: 512-506-8803(Tel)	PO #: new PO		
Email: nick casten@ghd com	WO #: 12564966-02		
Project Name: Scout EP - Dollarhide	Project #: 88000225		
Site	SSOW#:		Other:

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	2540C_Calcd - TDS	300_ORGFM_28D Chloride	Total Number of containers	Special Instructions/Note.
			Preservation Code:				N	N		
NM-MW-12-W-222701	1-27	1050	G	W	N	N	X	X		Please put this set of Samples on their own Report
NM-MW-17-W-222701	1-27	1130	G	W	N	N	X	X		
NM-MW-20-W-222701	1-27	1155	G	W	N	N	X	X		
NM-MW-21-W-222701	1-27	1210	G	W	N	N	X	X		

880-10726 Chain of Custody

Possible Hazard Identification
☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months

Deliverable Requested I II III IV Other (specify)

Special Instructions/QC Requirements

Empty Kit Relinquished by	Date	Time	Method of Shipment:

Relinquished by	Date/Time	Company	Received by	Date/Time	Company
Joe Murele	1/28/22/1615				
Relinquished by	Date/Time	Company	Received by	Date/Time	Company
Relinquished by	Date/Time	Company	Received by	Date/Time.	Company

Custody Seals Intact. Δ Yes Δ No	Custody Seal No	Cooler Temperature(s) °C and Other Remarks
		.2/3 10 IR8

Ver: 01/16/2019

Eurofins Midland
1211 W. Florida Ave
Midland, TX 79701
Phone: 432-704-5440

Chain of Custody Record

Eurofins | Environment Testing America

Client Information (Sub Contract Lab)	Sampler:	Lab PM: Simmons, Debbie	96.1
Client Contact: Shipping/Receiving	Phone:	E-Mail: debbie.simmons@eurofins	Page 1 of 1
Company: Eurofins Environment Testing South Centr		Accreditations Required (See note): NELAP - Texas	Job #: 880-10726-1
Address: 4145 Greenbriar Dr	Due Date Requested: 2/3/2022		
City: Stafford	TAT Requested (days):		
State, Zip: TX, 77477			
Phone: 281-240-4200(Tel)	PO #:		
Email:	WO #:		
Project Name: Scout EP-Dollarhide	Project #: 88000225		
Site:	SSOW#:		

Analysis Requested

Preservation Codes:

A	HCL	M	Hexane
B	NaOH	N	None
C	Zn Acetate	O	AsNaO2
D	Nitric Acid	P	Na2O4S
E	NaHSO4	Q	Na2SO3
F	MeOH	R	Na2S2O3
G	Amchlor	S	H2SO4
H	Ascorbic Acid	T	TSP Dodecahydrate
I	Ice	U	Acetone
J	DI Water	V	MCAA
K	EDTA	W	pH 4-5
L	EDA	Z	other (specify)

Other:

Sample Identification - Client ID (Lab ID)	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	300_ORGFM_28D/ Chloride	2540C_Calcd	Total Number of containers	Special Instructions/Note:
NM-MW-12-W-222701 (880-10726-1)	1/27/22	10:50 Mountain		Water			X	X		
NM-MW-17-W-222701 (880-10726-2)	1/27/22	11:30 Mountain		Water			X	X		
NM-MW-20-W-222701 (880-10726-3)	1/27/22	11:55 Mountain		Water			X	X		
NM-MW-21-W-222701 (880-10726-4)	1/27/22	12:10 Mountain		Water			X	X		

Note: Since laboratory accreditations are subject to change, Eurofins Environment Testing South Central, LLC places the ownership of method, analyte & accreditation compliance upon out subcontract laboratories. This sample shipment is forwarded under chain-of-custody. If the laboratory does not currently maintain accreditation in the State of Origin listed above for analysis/tests/matrix being analyzed, the samples must be shipped back to the Eurofins Environment Testing South Central, LLC laboratory or other instructions will be provided. Any changes to accreditation status should be brought to Eurofins Environment Testing South Central, LLC attention immediately. If all requested accreditations are current to date, return the signed Chain of Custody attesting to said compliance to Eurofins Environment Testing South Central, LLC.

Possible Hazard Identification *Unconfirmed*	***Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)*** ☐ *Return To Client* ☐ *Disposal By Lab* ☐ *Archive For* _____ *Months*
Deliverable Requested: I II, III, IV Other (specify) Primary Deliverable Rank: 2	Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:		
Relinquished by:	Date/Time:	Company	Received by:	Date/Time: 1/29/22 9:40	Company Xenco
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: Δ Yes Δ No	Custody Seal No.	Cooler Temperature(s) °C and Other Remarks:

Ver: 06/08/2021

Login Sample Receipt Checklist

Client: GHD Services Inc.

Job Number: 880-10726-1
SDG Number: 12564966-02

Login Number: 10726
List Number: 1
Creator: Teel, Brianna

List Source: Eurofins Midland

Question	Answer	Comment
The cooler's custody seal, if present, is intact.	N/A	
Sample custody seals, if present, are intact.	N/A	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	N/A	

eurofins | Environment Testing America

ANALYTICAL REPORT

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

Laboratory Job ID: 880-10727-1
Laboratory Sample Delivery Group: 12564966-02
Client Project/Site: Scout EP-Dollarhide

For:
GHD Services Inc.
2135 South Loop 250 West
Midland, Texas 79703

Attn: Nick G. Casten

Debbie Simmons

Authorized for release by:
2/4/2022 5:36:44 PM

Debbie Simmons, Project Manager
(832)986-6768
debbie.simmons@eurofinset.com

Client: GHD Services Inc.
Project/Site: Scout EP-Dollarhide

Laboratory Job ID: 880-10727-1
SDG: 12564966-02

Table of Contents

Definitions/Glossary

Client: GHD Services Inc. Job ID: 880-10727-1
Project/Site: Scout EP-Dollarhide SDG: 12564966-02

Qualifiers

HPLC/IC

Qualifier	Qualifier Description
U	Analyte was not detected at or above the SDL.

General Chemistry

Qualifier	Qualifier Description
U	Analyte was not detected at or above the SDL.

Glossary

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

Case Narrative

Client: GHD Services Inc. Job ID: 880-10727-1
Project/Site: Scout EP-Dollarhide SDG: 12564966-02

Job ID: 880-10727-1

Laboratory: Eurofins Midland

Narrative

Job Narrative
880-10727-1

Receipt
The samples were received on 1/28/2022 4:19 PM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 0.3°C

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

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

Client Sample Results

Client: GHD Services Inc.
Project/Site: Scout EP-Dollarhide

Job ID: 880-10727-1
SDG: 12564966-02

Client Sample ID: MW-32-W-222701

Lab Sample ID: 880-10727-1
Date Collected: 01/27/22 14:10
Matrix: Water
Date Received: 01/28/22 16:19

Method: 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	389		0.500	0.200	mg/L			02/01/22 19:35	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	1200		100	100	mg/L			02/02/22 10:51	1

Client Sample ID: MW-33-W-222701

Lab Sample ID: 880-10727-2
Date Collected: 01/27/22 13:50
Matrix: Water
Date Received: 01/28/22 16:19

Method: 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	216		0.500	0.200	mg/L			02/01/22 19:47	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	1220		50.0	50.0	mg/L			02/02/22 10:51	1

Client Sample ID: MW-34-W-222701

Lab Sample ID: 880-10727-3
Date Collected: 01/27/22 13:30
Matrix: Water
Date Received: 01/28/22 16:19

Method: 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	71.3		0.500	0.200	mg/L			02/01/22 20:22	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	661		50.0	50.0	mg/L			02/02/22 10:51	1

QC Sample Results

Client: GHD Services Inc.
Project/Site: Scout EP-Dollarhide

Job ID: 880-10727-1
SDG: 12564966-02

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 860-39779/3
Matrix: Water
Analysis Batch: 39779

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<0.200	U	0.500	0.200	mg/L			02/01/22 10:41	1

Lab Sample ID: MB 860-39779/39
Matrix: Water
Analysis Batch: 39779

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<0.200	U	0.500	0.200	mg/L			02/01/22 18:02	1

Lab Sample ID: LCS 860-39779/4
Matrix: Water
Analysis Batch: 39779

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Chloride	10.0	10.20		mg/L		102	90 - 110

Lab Sample ID: LCS 860-39779/40
Matrix: Water
Analysis Batch: 39779

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Chloride	10.0	10.48		mg/L		105	90 - 110

Lab Sample ID: LCSD 860-39779/41
Matrix: Water
Analysis Batch: 39779

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

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Chloride	10.0	10.91		mg/L		109	90 - 110	4	20

Lab Sample ID: LCSD 860-39779/5
Matrix: Water
Analysis Batch: 39779

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

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Chloride	10.0	10.67		mg/L		107	90 - 110	4	20

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

Lab Sample ID: MB 860-39958/1
Matrix: Water
Analysis Batch: 39958

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	<25.0	U	25.0	25.0	mg/L			02/02/22 10:51	1

QC Sample Results

Client: GHD Services Inc. Job ID: 880-10727-1
Project/Site: Scout EP-Dollarhide SDG: 12564966-02

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

Lab Sample ID: LCS 860-39958/2 **Client Sample ID: Lab Control Sample**
Matrix: Water **Prep Type: Total/NA**
Analysis Batch: 39958

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
Total Dissolved Solids			1000	1152		mg/L		115	80 - 120		

Lab Sample ID: LCSD 860-39958/3 **Client Sample ID: Lab Control Sample Dup**
Matrix: Water **Prep Type: Total/NA**
Analysis Batch: 39958

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Total Dissolved Solids			1000	1142		mg/L		114	80 - 120	1	10

QC Association Summary

Client: GHD Services Inc. Job ID: 880-10727-1
Project/Site: Scout EP-Dollarhide SDG: 12564966-02

HPLC/IC

Analysis Batch: 39779

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-10727-1	MW-32-W-222701	Total/NA	Water	300.0	
880-10727-2	MW-33-W-222701	Total/NA	Water	300.0	
880-10727-3	MW-34-W-222701	Total/NA	Water	300.0	
MB 860-39779/3	Method Blank	Total/NA	Water	300.0	
MB 860-39779/39	Method Blank	Total/NA	Water	300.0	
LCS 860-39779/4	Lab Control Sample	Total/NA	Water	300.0	
LCS 860-39779/40	Lab Control Sample	Total/NA	Water	300.0	
LCSD 860-39779/41	Lab Control Sample Dup	Total/NA	Water	300.0	
LCSD 860-39779/5	Lab Control Sample Dup	Total/NA	Water	300.0	

General Chemistry

Analysis Batch: 39958

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-10727-1	MW-32-W-222701	Total/NA	Water	SM 2540C	
880-10727-2	MW-33-W-222701	Total/NA	Water	SM 2540C	
880-10727-3	MW-34-W-222701	Total/NA	Water	SM 2540C	
MB 860-39958/1	Method Blank	Total/NA	Water	SM 2540C	
LCS 860-39958/2	Lab Control Sample	Total/NA	Water	SM 2540C	
LCSD 860-39958/3	Lab Control Sample Dup	Total/NA	Water	SM 2540C	

Lab Chronicle

Client: GHD Services Inc. Job ID: 880-10727-1
Project/Site: Scout EP-Dollarhide SDG: 12564966-02

Client Sample ID: MW-32-W-222701 Lab Sample ID: 880-10727-1

Date Collected: 01/27/22 14:10 **Matrix: Water**
Date Received: 01/28/22 16:19

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	300.0		1			39779	02/01/22 19:35	ANP	XEN STF
Total/NA	Analysis	SM 2540C		1	50 mL	1000 mL	39958	02/02/22 10:51	ADL	XEN STF

Client Sample ID: MW-33-W-222701 Lab Sample ID: 880-10727-2

Date Collected: 01/27/22 13:50 **Matrix: Water**
Date Received: 01/28/22 16:19

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	300.0		1			39779	02/01/22 19:47	ANP	XEN STF
Total/NA	Analysis	SM 2540C		1	100 mL	1000 mL	39958	02/02/22 10:51	ADL	XEN STF

Client Sample ID: MW-34-W-222701 Lab Sample ID: 880-10727-3

Date Collected: 01/27/22 13:30 **Matrix: Water**
Date Received: 01/28/22 16:19

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	300.0		1			39779	02/01/22 20:22	ANP	XEN STF
Total/NA	Analysis	SM 2540C		1	100 mL	1000 mL	39958	02/02/22 10:51	ADL	XEN STF

Laboratory References:

XEN STF = Eurofins Houston, 4145 Greenbriar Dr, Stafford, TX 77477, TEL (281)240-4200

Accreditation/Certification Summary

Client: GHD Services Inc. Job ID: 880-10727-1
Project/Site: Scout EP-Dollarhide SDG: 12564966-02

Laboratory: Eurofins Houston

The accreditations/certifications listed below are applicable to this report.

Authority	Program	Identification Number	Expiration Date
Texas	NELAP	T104704215-21-44	06-30-22

Method Summary

Client: GHD Services Inc.
Project/Site: Scout EP-Dollarhide

Job ID: 880-10727-1
SDG: 12564966-02

Method	Method Description	Protocol	Laboratory
300.0	Anions, Ion Chromatography	MCAWW	XEN STF
SM 2540C	Solids, Total Dissolved (TDS)	SM	XEN STF

Protocol References:

MCAWW = "Methods For Chemical Analysis Of Water And Wastes", EPA-600/4-79-020, March 1983 And Subsequent Revisions.

SM = "Standard Methods For The Examination Of Water And Wastewater"

Laboratory References:

XEN STF = Eurofins Houston, 4145 Greenbriar Dr, Stafford, TX 77477, TEL (281)240-4200

Sample Summary

Client: GHD Services Inc.
Project/Site: Scout EP-Dollarhide

Job ID: 880-10727-1
SDG: 12564966-02

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
880-10727-1	MW-32-W-222701	Water	01/27/22 14:10	01/28/22 16:19
880-10727-2	MW-33-W-222701	Water	01/27/22 13:50	01/28/22 16:19
880-10727-3	MW-34-W-222701	Water	01/27/22 13:30	01/28/22 16:19

Eurofins Midland
1211 W Florida Ave
Midland TX 79701
Phone (432) 704-5440

Chain of Custody Record

eurofins Environment Testing America

10727

Client Information	Sampler: Joe Mireles / Mitch Clemens	Lab PM: Simmons Debbie	Carrier Tracking No(s):	COC No: 880-2342-191 1
Client Contact: Nick Casten	Phone: 432-559-6337	E-Mail: debbie simmons@eurofinset com	State of Origin:	Page: Page 1 of 1
Company: GHD Services Inc	PWSID:			Job #:
Address: 2135 South Loop 250 West	Due Date Requested:			
City: Midland	TAT Requested (days):			
State Zip: TX, 79703	Compliance Project: Δ Yes Δ No			
Phone: 512-506-8803(Tel)	PO #: new PO			
Email: nick casten@ghd com	WO #: 12564966-02			
Project Name: Scout EP - Dollarhide	Project #: 88000225			
Site:	SSOW#:			

Analysis Requested

Preservation Codes

A	HCL	M	Hexane
B	NaOH	N	None
C	Zn Acetate	O	AsNaO2
D	Nitric Acid	P	Na2O4S
E	NaHSO4	Q	Na2SO3
F	MeOH	R	Na2S2O3
G	Amchlor	S	H2SO4
H	Ascorbic Acid	T	TSP Dodecahydrate
I	Ice	U	Acetone
J	DI Water	V	MCAA
K	EDTA	W	pH 4-5
L	EDA	Z	other (specify)

Other:

Sample Identification	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	2540C_Calcd TDS	300_ORGFM_28D Chloride	Total Number of containers	Special Instructions/Note
			Preservation Code:				N	N		
MW-32-W-222701	1-27	1410	G	W			X	X		Please put these samples on their own report.
MW-33-W-222701	1-27	1350	G	W			X	X		
MW-34-W-222701	1-27	1330	G	W			X	X		

880-10727 Chain of Custody

Possible Hazard Identification
☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months

Deliverable Requested I II III IV Other (specify)

Special Instructions/QC Requirements

Empty Kit Relinquished by	Date	Time	Method of Shipment:

	Relinquished by	Date/Time	Company	Received by	Date/Time:	Company
	Joe Mireles	1-28-22 1615		Patricia R		
	Relinquished by	Date/Time	Company	Received by	Date/Time	Company
	Relinquished by	Date/Time	Company	Received by	Date/Time	Company

Custody Seals Intact: Δ Yes Δ No | Custody Seal No

Cooler Temperature(s) °C and Other Remarks: .2 | .3 .10 FRO

Ver 01/16/2019

Eurofins Midland
1211 W. Florida Ave
Midland, TX 79701
Phone: 432-704-5440

Chain of Custody Record

880-10727 Chain of Custody

urofins | Environment Testing America

Client Information (Sub Contract Lab)	Sampler:	Lab PM: Simmons, Debbie	:: 396.1
Client Contact: Shipping/Receiving	Phone:	E-Mail: debbie.simmons@eurofins...	State of Origin: New Mexico
Company: Eurofins Environment Testing South Centr		Accreditations Required (See note): NELAP Texas	Page: Page 1 of 1
Address: 4145 Greenbriar Dr	Due Date Requested: 2/3/2022		Job #: 880-10727 1
City: Stafford	TAT Requested (days):		Preservation Codes:
State, Zip: TX, 77477			A HCL M Hexane B NaOH N None C Zn Acetate O AsNaO2 D Nitric Acid P Na2O4S E NaHSO4 Q Na2SO3 F MeOH R Na2S2O3 G Amchlor S H2SO4 H Ascorbic Acid T TSP Dodecahydrate I Ice U Acetone J DI Water V MCAA K EDTA W pH 4-5 L EDA Z other (specify) Other:
Phone: 281-240-4200(Tel)	PO #:		
Email:	WO #:		
Project Name: Scout EP-Dollarhide	Project #: 88000225		
Site:	SSOW#:		

Analysis Requested

Sample Identification Client ID (Lab ID)	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Perform MS/MSD (Y or N)	Field Filtered Sample (Y or N)	300_ORGFM_28D/ Chloride	2540C_Calcd	Total Number of containers	Special Instructions/Note:
			Preservation Code:							
MW-32-W-222701 (880-10727-1)	1/27/22	14:10 Mountain		Water			X	X		
MW-33-W-222701 (880-10727-2)	1/27/22	13:50 Mountain		Water			X	X		
MW-34-W-222701 (880-10727-3)	1/27/22	13:30 Mountain		Water			X	X		

Note: Since laboratory accreditations are subject to change, Eurofins Environment Testing South Central, LLC places the ownership of method, analyte & accreditation compliance upon out subcontract laboratories. This sample shipment is forwarded under chain-of-custody. If the laboratory does not currently maintain accreditation in the State of Origin listed above for analysis/tests/matrix being analyzed, the samples must be shipped back to the Eurofins Environment Testing South Central, LLC laboratory or other instructions will be provided. Any changes to accreditation status should be brought to Eurofins Environment Testing South Central, LLC attention immediately. If all requested accreditations are current to date, return the signed Chain of Custody attesting to said compliance to Eurofins Environment Testing South Central, LLC.

Possible Hazard Identification *Unconfirmed*	***Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)*** ☐ *Return To Client* ☐ *Disposal By Lab* ☐ *Archive For* _____ *Months*
Deliverable Requested: I, II III, IV Other (specify) Primary Deliverable Rank: 2	Special Instructions/QC Requirements.

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

Relinquished by:	Date/Time:	Company	Received by:	Date/Time: 1/28/22 940	Company: Eurofins
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: Δ Yes Δ No	Custody Seal No.	Cooler Temperature(s) °C and Other Remarks:

Ver 06/08/2021

Login Sample Receipt Checklist

Client: GHD Services Inc.

Job Number: 880-10727-1
SDG Number: 12564966-02

Login Number: 10727
List Number: 1
Creator: Teel, Brianna

List Source: Eurofins Midland

Question	Answer	Comment
The cooler's custody seal, if present, is intact.	N/A	
Sample custody seals, if present, are intact.	N/A	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	N/A	

Appendix C

Historical Groundwater Analytical Data

Appendix C

Historical Groundwater Analytical Results Summary
Scout 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**
	1/12/2021	**5,620**	**10,200**
	7/27/2021	**5,530**	**9,980**
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**
	1/12/2021	**3,540**	**6,240**
	7/27/2021	**3,920**	**9,550**
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**

Appendix C

Historical Groundwater Analytical Results Summary
Scout 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**
	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**
	1/12/2021	**3,730**	**6,700**
	7/27/2021	**4,900**	**8,790**
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**
	1/12/2021	**4,890**	**8,640**
	7/27/2021	**5,090**	**8,840**
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**

Appendix C

Historical Groundwater Analytical Results Summary
Scout 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**
	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**
	1/12/2021	**4,870**	**8,630**
	7/27/2021	**5,420**	**9,470**
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**
	1/12/2021	**3,930**	**7,070**
	7/27/2021	**4,470**	**7,910**
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**
	1/12/2021	**4,140**	**7,520**
	7/27/2021	**4,440**	**8,610**
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**

Appendix C

Historical Groundwater Analytical Results Summary
Scout 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**
	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**
	1/12/2021	**2,490**	**4,680**
	7/27/2021	**3,500**	**9,750**
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**
	1/12/2021	**1,670**	**3,080**
DUP	1/12/2021	**1,660**	**3,130**
	7/27/2021	**1,710**	**3,070**
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**
	1/12/2021	**4,260**	**7,790**
	7/27/2021	**2,540**	**8,230**
45-F-1-MW			
	01/06	**619**	**1,270**

Appendix C

Historical Groundwater Analytical Results Summary
Scout 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**
	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**
	1/12/2021	**991**	**1,770**
	7/27/2021	**1,140**	**1,970**
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**
	1/12/2021	**3,770**	**6,450**
	7/27/2021	**3,750**	**9,810**
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**
	1/22/2008	**3,220**	**5,110**
	7/7/2008	**2,980**	**6,110**

Appendix C

Historical Groundwater Analytical Results Summary
Scout 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**
	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**
	1/12/2021	**6,230**	**10,500**
	7/27/2021	**6,730**	**10,900**
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**
	1/12/2021	**3,560**	**1,240**
	7/27/2021	**2,300**	**6,480**
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**

Appendix C

Historical Groundwater Analytical Results Summary
Scout 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**
	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**
	1/8/2021	**1,630**	**2,800**
	7/26/2021	**1,730**	**2,890**
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
	1/11/2021	NS	NS
	7/26/2021	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**
	1/11/2021	**605**	**1,470**
	4/7/2021	NS	NS
	7/28/2021	**654**	**1,390**
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

Appendix C

Historical Groundwater Analytical Results Summary
Scout 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**
	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
	1/11/2021	**327**	911
	4/7/2021	NS	NS
	7/28/2021	**326**	951
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
	1/11/2021	252	975
	4/7/2021	NS	NS
	7/28/2021	251	996
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**
	10/12/220	**423**	**1,440**
	1/11/2021	**380**	**1,580**
	4/7/2021	NS	NS
	7/27/2021	**412**	**1,470**
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

Appendix C

Historical Groundwater Analytical Results Summary
Scout 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**
	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
	1/12/2021	NS	NS
	4/7/2021	NS	NS
	7/27/2021	NS	NS
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**
	1/12/2021	**994**	**2,420**
	4/7/2021	NS	NS
	7/27/2021	**1,080**	**2,500**
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**
	1/12/2021	**2,670**	**4,760**
	4/7/2021	NS	NS
	7/27/2021	**2,740**	**4,510**
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**

Appendix C

Historical Groundwater Analytical Results Summary
Scout 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**
	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**
	1/11/2021	**3,880**	**8,180**
	4/7/2021	NS	NS
	7/27/2021	**4,980**	**8,180**
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	**11,800**
	1/11/2021	**7,290**	**11,900**
	4/7/2021	NS	NS
	7/27/2021	**7,540**	**13,100**
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**
	1/11/2021	**13,300**	**22,300**
	4/7/2021	NS	NS
	7/27/2021	**13,600**	**23,600**
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**

Appendix C

Historical Groundwater Analytical Results Summary
Scout 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**
	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**
	1/11/2021	**1,270**	**4,180**
DUP	1/11/2021	**1,600**	**4,260**
	4/7/2021	NS	NS
	7/28/2021	**2,030**	**4,280**
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**
	1/11/2021	**1,260**	**3,210**
	4/7/2021	NS	NS
	7/28/2021	**1,780**	**3,180**
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**
	1/11/2021	**902**	**1,880**
	4/7/2021	NS	NS
	7/28/2021	**1,150**	**1,870**
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**

Appendix C

Historical Groundwater Analytical Results Summary
Scout 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**
	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**
	1/11/2021	**403**	**1,050**
	4/7/2021	NS	NS
	7/28/2021	**534**	**1,270**
DUP	7/28/2021	**564**	**1,270**
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**
	1/11/2021	**7,680**	**4,200**
	4/7/2021	NS	NS
	7/28/2021	**8,050**	**13,900**
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**
	1/11/2021	**21,000**	**35,800**
	4/7/2021	NS	NS
	7/27/2021	**25,100**	**34,300**
DUP	7/27/2021	**22,600**	**34,400**
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**

Appendix C

Historical Groundwater Analytical Results Summary
Scout 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**
	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**
	1/11/2021	**7,350**	**12,500**
	4/7/2021	NS	NS
	7/27/2021	**8,030**	**14,300**
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**
	1/11/2021	**1,130**	**2,460**
	4/7/2021	NS	NS
	7/27/2021	**1,310**	**3,250**
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**
	1/11/2021	**3,050**	**10,100**
	4/7/2021	NS	NS
	7/28/2021	**6,550**	**11,200**
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**

Appendix C

Historical Groundwater Analytical Results Summary
Scout 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**
	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**
	1/11/2021	**11,000**	**17,600**
	4/7/2021	NS	NS
	7/27/2021	**13,800**	**21,200**
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**
	1/11/2021	**4,160**	**8,970**
	4/7/2021	NS	NS
	7/27/2021	**7,810**	**13,200**
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**
	1/11/2021	**1,680**	**8,690**
	4/7/2021	NS	NS
	7/27/2021	**4,340**	**8,770**
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
Scout 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**
	1/11/2021	**23,900**	**36,600**
	4/7/2021	NS	NS
	7/27/2021	**23,200**	**37,300**
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**
	1/11/2021	**1,400**	**3,370**
	4/7/2021	NS	NS
	7/27/2021	**1,490**	**3,180**
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**
	1/11/2021	**2,210**	**4,160**
	4/7/2021	NS	NS
	7/27/2021	**2,330**	**4,060**
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**
	1/8/2021	**3,940**	**6,840**
	4/7/2021	NS	NS
	7/26/2021	**2,710**	**6,890**
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**

Appendix C

Historical Groundwater Analytical Results Summary
Scout 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**
	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**
	1/8/2021	**550**	**1,280**
	4/7/2021	NS	NS
	7/26/2021	**605**	**1,290**
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**
	1/11/2021	**2,100**	**4,050**
	4/7/2021	NS	NS
	7/28/2021	**2,160**	**3,970**
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**
	1/11/2021	**9,500**	**17,100**
	4/7/2021	NS	NS
	7/27/2021	**7,790**	**17,900**
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**
	1/8/2021	**349**	**1,170**
DUP	1/8/2021	**303**	**1,170**
	4/7/2021	**341**	**1,120**
DUP	4/7/2021	**323**	**1,170**
	7/26/2021	**373**	**1,160**
DUP	7/26/2021	**370**	**1,140**
MW-33			
	4/10/2019	183	912
	7/15/2019	153	988
	10/15/2019	156	**1,040**

Appendix C

Historical Groundwater Analytical Results Summary
Scout 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**
	1/23/2020	185	**1,010**
	4/10/2020	190	**1,100**
	7/14/2020	196	**1,060**
	10/8/2020	201	**1,090**
	1/8/2021	190	**1,060**
	4/7/2021	185	**1,040**
	7/26/2021	213	**1,050**
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
	1/8/2021	70.8	610
	4/7/2021	66.0	619
	7/26/2021	72.7	613
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**
	1/7/2021	273	**1,410**
	4/7/2021	NS	NS
	7/23/2021	292	**1,370**
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**
	1/7/2021	**659**	**1,230**
	4/7/2021	NS	NS
	7/23/2021	**770**	**1,340**
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

Appendix C

Historical Groundwater Analytical Results Summary
Scout 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**
	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
	1/7/2021	264	680
	4/7/2021	NS	NS
	7/23/2021	**345**	781
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
	1/7/2021	44.4	435
	4/7/2021	NS	NS
	7/23/2021	48	417
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**
	1/7/2021	146	**1,260**
	4/7/2021	NS	NS
	7/23/2021	156	**1,280**
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

Appendix C

Historical Groundwater Analytical Results Summary
Scout 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**
	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
	1/7/2021	142	811
	4/7/2021	NS	NS
	7/23/2021	151	821
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**
	1/7/2021	**2,170**	**4,550**
	4/7/2021	NS	NS
	7/23/2021	**2,220**	**4,360**
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**
	1/7/2021	**6,110**	**11,200**
	4/7/2021	NS	NS
	7/23/2021	**3,290**	**11,400**
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

Appendix C

Historical Groundwater Analytical Results Summary
Scout 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**
	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
	1/8/2021	242	789
	4/7/2021	NS	NS
	7/26/2021	258	808
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**
	1/8/2021	**336**	**1,700**
	4/7/2021	NS	NS
	7/23/2021	**363**	**1,730**
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**
	1/8/2021	152	**2,030**
	4/7/2021	NS	NS
	7/26/2021	174	**1,990**
DUP	7/26/2021	175	**1,950**
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**

Appendix C

Historical Groundwater Analytical Results Summary
Scout 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**
	1/8/2021	**430**	**1,160**
	4/7/2021	NS	NS
	7/26/2021	**485**	**1,090**
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**
	1/8/2021	185	**1,110**
DUP	1/8/2021	186	**1,130**
	4/7/2021	NS	NS
	7/26/2021	203	**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
	1/8/2021	95.2	455
	4/7/2021	26.4	466
	7/26/2021	28	500
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
	1/8/2021	56.4	507
	4/7/2021	58.1	519
	7/26/2021	57	516
NM-MW-16			
	2/18/2020	NS	NS
	4/9/2020	NS	NS
	7/10/2020	NS	NS
	10/8/2020	NS	NS
	1/8/2021	NS	NS
	4/7/2021	NS	NS
	7/26/2021	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
	1/8/2021	182	971
	4/7/2021	207	**1,010**
	7/26/2021	212	**1,010**
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
	1/8/2021	23.9	381
	4/7/2021	23.4	377
	7/26/2021	22	409
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
	1/8/2021	29.0	541

Appendix C

Historical Groundwater Analytical Results Summary
Scout 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**
	4/7/2021	28.1	529
	7/26/2021	28	558
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**
	1/12/2021	**625**	**3,120**
	4/7/2021	NS	NS
	7/26/2021	NS	NS
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
	1/30/2013	**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**

Appendix C

Historical Groundwater Analytical Results Summary
Scout 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**
	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**
	1/11/2021	**2,200**	**4,290**
	4/7/2021	NS	NS
	7/28/2021	**2,200**	**4,260**
DUP	7/28/2021	**2,190**	**4,220**
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
	1/8/2021	NS	NS
	7/28/2021	NS	NS
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
	1/8/2021	NS	NS
	7/28/2021	NS	NS
RRR Ranch Windmill			
	01/06	NS	NS
	03/06	**1,693**	**3,527**
	6/14/2006	**1,760**	**3,640**

Appendix C

Historical Groundwater Analytical Results Summary
Scout 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**
	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**
	1/7/2021	**2,030**	**3,780**
DUP	1/7/2021	**1,930**	**3,830**
	7/23/2021	**2,110**	**3,740**
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
	1/8/2021	NS	NS
	4/7/2021	NS	NS
	7/28/2021	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**

Appendix C

Historical Groundwater Analytical Results Summary
Scout 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**
	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
	1/8/2021	NS	NS
	7/28/2021	NS	NS
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**
	1/8/2021	**526**	**2,070**
	4/7/2021	NS	NS
	7/26/2021	**1,070**	**1,970**
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**

Appendix C

Historical Groundwater Analytical Results Summary
Scout 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**
	4/10/2020	**1,310**	**2,600**
	7/10/2020	**1,310**	**2,570**
	10/8/2020	**753**	**1,570**
	1/8/2021	**1,040**	**1,940**
	4/7/2021	NS	NS
	7/26/2021	**1,040**	**1,880**

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

GHD Digital

Technical Memorandum

27 August 2021

To	Nick Casten		
Copy to	Liz Whiddon		
From	Chris G. Knight/eew/35-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 2021	**Project no.**	055270

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 2021. Samples were submitted to Eurofins Environment Testing America, 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 documents entitled:

1. "USEPA Contract Laboratory Program National Functional Guidelines for Inorganic Superfund Data Review", EPA 540-R-2016-001, September 2016.

Item 1 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).

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 1 per 20 investigative samples and/or 1 per analytical batch.

All method blank results were non-detect, indicating that laboratory contamination was not a factor for this investigation with the following exception:

i) A method blank was reported with a low level detection for chloride. The associated sample results were significantly greater than the method blank detection and were not affected. No further action was required.

4. Laboratory Control Sample Analyses

LCS/Laboratory Control Sample Duplicates (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 1 per 20 investigative samples and/or 1 per analytical batch.

The LCS/LCSD contained all analytes of interest. 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/matrix spike duplicate (MSD) samples. The RPD between the MS and MSD is used to assess analytical precision.

MS/MSD analyses were performed as specified in Table 1. The recovery ranges established by the laboratory are adopted as the acceptance criteria for the project.

The MS/MSD samples were spiked with chloride. All percent recoveries and RPD values were within the laboratory control limits, demonstrating acceptable analytical accuracy and precision with the following exceptions:

i) An MS/MSD was reported with elevated recoveries for chloride analysis. The original sample concentrations were significantly greater than the spike concentration. Therefore, the recoveries were not assessed. No further action was required

ii) An MS/MSD was reported with an elevated MSD recovery for chloride analysis. 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.

iii) An MS/MSD was reported with an elevated MS recovery for chloride analysis. 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.

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 of 6 field duplicate sample sets.

To assess the analytical and sampling protocol precision, 6 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 50 percent for water samples. 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.

Field duplicate summary data are presented in Table 2. 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.

Regards

Chris G. Knight

Data Management Team – Data Validator

Table 1

Sample Collection and Analysis Summary
Groundwater Monitoring Well Sampling
Chevron Environmental Management Company (CEMC) - Dollarhide
Andrews County, Texas
July 2021

					Analysis/Parameters		
Sample Identification	**Location**	**Matrix**	**Collection Date (mm/dd/yyyy)**	**Collection Time (hr:min)**	**Chloride**	**TDS**	**Comments**
NM-MW-7-W-212307	NM-MW-7	Water	07/23/2021	09:49	X	X	
RRR-Ranch Windmill-W-212307	Ranch Windmill	Water	07/23/2021	10:10	X	X	
NM-MW-4-W-212307	NM-MW-4	Water	07/23/2021	10:30	X	X	
NM-MW-8-W-212307	NM-MW-8	Water	07/23/2021	10:45	X	X	
NM-MW-3-W-212307	NM-MW-3	Water	07/23/2021	11:10	X	X	
NM-MW-2-W-212307	NM-MW-2	Water	07/23/2021	11:20	X	X	
NM-MW-1-W-212307	NM-MW-1	Water	07/23/2021	11:35	X	X	
NM-MW-5-W-212307	NM-MW-5	Water	07/23/2021	11:50	X	X	
NM-MW-6-W-212307	NM-MW-6	Water	07/23/2021	12:00	X	X	
NM-MW-10-W-212307	NM-MW-10	Water	07/23/2021	12:20	X	X	MS/MSD; DUP
NM-MW-14-212607	NM-MW-14	Water	07/26/2021	10:10	X	X	MS/MSD; DUP
NM-MW-9-212607	NM-MW-9	Water	07/26/2021	10:20	X	X	
NM-MW-15-W-212607	NM-MW-15	Water	07/26/2021	10:40	X	X	
NM-MW-13-W-212607	NM-MW-13	Water	07/26/2021	10:55	X	X	MS/MSD; DUP
NM-MW-11-W-212607	NM-MW-11	Water	07/26/2021	11:25	X	X	
NM-MW-11-WD-212607	NM-MW-11	Water	07/26/2021	11:25	X	X	Field duplicate of NM-MW-11

Table 1

Sample Collection and Analysis Summary
Groundwater Monitoring Well Sampling
Chevron Environmental Management Company (CEMC) - Dollarhide
Andrews County, Texas
July 2021

					Analysis/Parameters		
Sample Identification	**Location**	**Matrix**	**Collection Date (mm/dd/yyyy)**	**Collection Time (hr:min)**	**Chloride**	**TDS**	**Comments**
Smith Residence-W-212606	SMITH RESIDENCE	Water	07/26/2021	11:33	X	X	
MW-29-W-212607	MW-29	Water	07/26/2021	11:51	X	X	
NM-MW-17-W-212607	NM-MW-17	Water	07/26/2021	11:55	X	X	
NM-MW-20-W-212607	NM-MW-20	Water	07/26/2021	12:15	X	X	
NM-MW-21-W-212607	NM-MW-21	Water	07/26/2021	12:25	X	X	
NM-MW-12-W-212607	NM-MW-12	Water	07/26/2021	13:05	X	X	
Wilson Ranch Well-W-212607	WILSON RANCH WW	Water	07/26/2021	13:15	X	X	
58-B3-MW-W-212607	58-B-3	Water	07/26/2021	13:50	X	X	
MW-34-W-212607	MW-34	Water	07/26/2021	14:00	X	X	
MW-33-W-212607	MW-33	Water	07/26/2021	14:15	X	X	
MW-32-W-212607	MW-32	Water	07/26/2021	14:50	X	X	
MW-32-WD-212607	MW-32	Water	07/26/2021	14:50	X	X	Field duplicate of MW-32
MW-28-W-212607	MW-28	Water	07/26/2021	15:30	X	X	
43-K-1-MW-W-212707	43-K-1	Water	07/27/2021	09:30	X	X	
45-E-3-MW-W-212707	45-E-3	Water	07/27/2021	09:40	X	X	
58-B-2-MW-W2-212707	58-B-2	Water	07/27/2021	09:50	X	X	

Table 1

Sample Collection and Analysis Summary
Groundwater Monitoring Well Sampling
Chevron Environmental Management Company (CEMC) - Dollarhide
Andrews County, Texas
July 2021

					Analysis/Parameters		
Sample Identification	**Location**	**Matrix**	**Collection Date (mm/dd/yyyy)**	**Collection Time (hr:min)**	**Chloride**	**TDS**	**Comments**
58-B-1-MW-W-212707	58-B-1	Water	07/27/2021	10:05	X	X	MS/MSD; DUP
MW-9-W-212707	MW-9	Water	07/27/2021	10:20	X	X	
MW-8-W-212707	MW-8	Water	07/27/2021	10:35	X	X	
MW-27-W-212707	MW-27	Water	07/27/2021	11:00	X	X	
MW-20-W-212707	MW-20	Water	07/27/2021	11:15	X	X	
45-F-1-MW-W-212707	45-F-1	Water	07/27/2021	11:25	X	X	
45-FF-MW-W-212707	45-FF	Water	07/27/2021	11:35	X	X	
45-E-1-MW-W-212707	45-E-1	Water	07/27/2021	11:45	X	X	
45-E-2-MW-W-212707	45-E-2	Water	07/27/2021	11:55	X	X	
44-I-1-MW-W-212707	44-I-1	Water	07/27/2021	12:10	X	X	
44-J-1-MW-W-212707	44-J-1	Water	07/27/2021	12:20	X	X	MS/MSD; DUP
44-J-5-MW-W-212707	44-J-5	Water	07/27/2021	12:30	X	X	
44-J-4-MW-W-212707	44-J-4	Water	07/27/2021	12:40	X	X	
44-J-3-MW-W-212707	44-J-3	Water	07/27/2021	12:50	X	X	
44-J-2-MW-W-212707	44-J-2	Water	07/27/2021	13:00	X	X	
MW-19-W-212707	MW-19	Water	07/27/2021	14:20	X	X	

Table 1

Sample Collection and Analysis Summary
Groundwater Monitoring Well Sampling
Chevron Environmental Management Company (CEMC) - Dollarhide
Andrews County, Texas
July 2021

					Analysis/Parameters		
Sample Identification	**Location**	**Matrix**	**Collection Date (mm/dd/yyyy)**	**Collection Time (hr:min)**	**Chloride**	**TDS**	**Comments**
MW-18-W-212707	MW-18	Water	07/27/2021	14:40	X	X	
MW-18-WD-212707	MW-18	Water	07/27/2021	14:45	X	X	Field duplicate of MW-18
MW-12-W-212707	MW-12	Water	07/27/2021	14:55	X	X	
MW-31-W-212707	MW-31	Water	07/27/2021	15:05	X	X	
MW-10-W-212707	MW-10	Water	07/27/2021	15:15	X	X	MS/MSD; DUP
MW-26-W-212707	MW-26	Water	07/27/2021	15:30	X	X	
MW-24-W-212707	MW-24	Water	07/27/2021	15:40	X	X	
MW-25-W-212707	MW-25	Water	07/27/2021	15:55	X	X	
MW-11-W-212707	MW-11	Water	07/27/2021	16:00	X	X	
MW-6-W-212707	MW-6	Water	07/27/2021	16:10	X	X	
MW-5-W-212807	MW-5	Water	07/28/2021	10:55	X	X	
MW-3-W-212807	MW-3	Water	07/28/2021	11:15	X	X	
MW-4-W-212807	MW-4	Water	07/28/2021	11:55	X	X	MS/MSD; DUP
MW-14-W-212807	MW-14	Water	07/28/2021	12:10	X	X	
MW-13-W-212807	MW-13	Water	07/28/2021	12:25	X	X	
MW-30-W-212807	MW-30	Water	07/28/2021	12:40	X	X	

Table 1

Sample Collection and Analysis Summary
Groundwater Monitoring Well Sampling
Chevron Environmental Management Company (CEMC) - Dollarhide
Andrews County, Texas
July 2021

					Analysis/Parameters		
Sample Identification	**Location**	**Matrix**	**Collection Date (mm/dd/yyyy)**	**Collection Time (hr:min)**	**Chloride**	**TDS**	**Comments**
Livermore-W-212807	Livermore	Water	07/28/2021	12:50	X	X	
Livermore-WD-212807	Livermore	Water	07/28/2021	12:50	X	X	Field duplicate of Livermore
MW-23-W-212807	MW-23	Water	07/28/2021	13:25	X	X	
MW-22-W-212807	MW-22	Water	07/28/2021	13:40	X	X	
MW-17-W-212807	MW-17	Water	07/28/2021	14:00	X	X	
MW-21-W-212807	MW-21	Water	07/28/2021	14:10	X	X	
MW-15-W-212807	MW-15	Water	07/28/2021	14:30	X	X	MS/MSD; DUP
MW-16-W-212807	MW-16	Water	07/28/2021	14:40	X	X	
MW-16-WD-212807	MW-16	Water	07/28/2021	14:40	X	X	Field duplicate of MW-16

Notes:

TDS - Total Dissolved Solids

Table 2

Analytical Results Summary
Groundwater Monitoring Well Sampling
Chevron Environmental Management Company (CEMC) - Dollarhide
Andrews County, Texas
July 2021

Location ID:		43-K-1	44-I-1	44-J-1	44-J-2	44-J-3	44-J-4	44-J-5	45-E-1
Sample Name:		43-K-1-MW-W-212707	44-I-1-MW-W-212707	44-J-1-MW-W-212707	44-J-2-MW-W-212707	44-J-3-MW-W-212707	44-J-4-MW-W-212707	44-J-5-MW-W-212707	45-E-1-MW-W-212707
Sample Date:		07/27/2021	07/27/2021	07/27/2021	07/27/2021	07/27/2021	07/27/2021	07/27/2021	07/27/2021
Parameters	**Unit**								
General Chemistry									
Chloride	mg/L	5530	3920	4900	5090	5420	4470	4440	3500
TDS	mg/L	9980	9550	8790	8840	9470	7910	8610	9750

Table 2

Analytical Results Summary
Groundwater Monitoring Well Sampling
Chevron Environmental Management Company (CEMC) - Dollarhide
Andrews County, Texas
July 2021

Location ID:		45-E-2	45-E-3	45-F-1	45-FF	58-B-1	58-B-2	58-B-3	Livermore
Sample Name:		45-E-2-MW-W-212707	45-E-3-MW-W-212707	45-F-1-MW-W-212707	45-FF-MW-W-212707	58-B-1-MW-W-212707	58-B-2-MW-W2-212707	58-B3-MW-W-212607	Livermore-W-212807
Sample Date:		07/27/2021	07/27/2021	07/27/2021	07/27/2021	07/27/2021	07/27/2021	07/26/2021	07/28/2021
Parameters	**Unit**								
General Chemistry									
Chloride	mg/L	1710	2540	1140	3750	6730	2300	1730	2200
TDS	mg/L	3070	8230	1970	9810	10900	6480	2890	4260

Table 2

Analytical Results Summary
Groundwater Monitoring Well Sampling
Chevron Environmental Management Company (CEMC) - Dollarhide
Andrews County, Texas
July 2021

Location ID:		Livermore	MW-3	MW-4	MW-5	MW-6	MW-8	MW-9	MW-10	MW-11	MW-12
Sample Name:		Livermore-WD-212807	MW-3-W-212807	MW-4-W-212807	MW-5-W-212807	MW-6-W-212707	MW-8-W-212707	MW-9-W-212707	MW-10-W-212707	MW-11-W-212707	MW-12-W-212707
Sample Date:		07/28/2021	07/28/2021	07/28/2021	07/28/2021	07/27/2021	07/27/2021	07/27/2021	07/27/2021	07/27/2021	07/27/2021
		Duplicate									
Parameters	**Unit**										
General Chemistry											
Chloride	mg/L	2190	654	326	251	412	1080	2740	4980	7540	13600
TDS	mg/L	4220	1390	951	996	1470	2500	4510	8180	13100	23600

Table 2

Analytical Results Summary
Groundwater Monitoring Well Sampling
Chevron Environmental Management Company (CEMC) - Dollarhide
Andrews County, Texas
July 2021

Location ID:		MW-13	MW-14	MW-15	MW-16	MW-16	MW-17	MW-18	MW-18	MW-19
Sample Name:		MW-13-W-212807	MW-14-W-212807	MW-15-W-212807	MW-16-W-212807	MW-16-WD-212807	MW-17-W-212807	MW-18-W-212707	MW-18-WD-212707	MW-19-W-212707
Sample Date:		07/28/2021	07/28/2021	07/28/2021	07/28/2021	07/28/2021	07/28/2021	07/27/2021	07/27/2021	07/27/2021
						Duplicate			Duplicate	
Parameters	**Unit**									
General Chemistry										
Chloride	mg/L	2030	1780	1150	534	564	8050	25100	22600	8030
TDS	mg/L	4280	3180	1870	1270	1270	13900	34300	34400	14300

Table 2

Analytical Results Summary
Groundwater Monitoring Well Sampling
Chevron Environmental Management Company (CEMC) - Dollarhide
Andrews County, Texas
July 2021

Location ID:		MW-20	MW-21	MW-22	MW-23	MW-24	MW-25	MW-26	MW-27	MW-28	MW-29
Sample Name:		MW-20-W-212707	MW-21-W-212807	MW-22-W-212807	MW-23-W-212807	MW-24-W-212707	MW-25-W-212707	MW-26-W-212707	MW-27-W-212707	MW-28-W-212607	MW-29-W-212607
Sample Date:		07/27/2021	07/28/2021	07/28/2021	07/28/2021	07/27/2021	07/27/2021	07/27/2021	07/27/2021	07/26/2021	07/26/2021
Parameters	**Unit**										
General Chemistry											
Chloride	mg/L	1310	6550	13800	7810	4340	23200	1490	2330	2710	605
TDS	mg/L	3250	11200	21200	13200	8770	37300	3180	4060	6890	1290

Table 2

Analytical Results Summary
Groundwater Monitoring Well Sampling
Chevron Environmental Management Company (CEMC) - Dollarhide
Andrews County, Texas
July 2021

Location ID:		MW-30	MW-31	MW-32	MW-32	MW-33	MW-34	NM-MW-1	NM-MW-2	NM-MW-3
Sample Name:		MW-30-W-212807	MW-31-W-212707	MW-32-W-212607	MW-32-WD-212607	MW-33-W-212607	MW-34-W-212607	NM-MW-1-W-212307	NM-MW-2-W-212307	NM-MW-3-W-212307
Sample Date:		07/28/2021	07/27/2021	07/26/2021	07/26/2021	07/26/2021	07/26/2021	07/23/2021	07/23/2021	07/23/2021
					Duplicate					
Parameters	**Unit**									
General Chemistry										
Chloride	mg/L	2160	7790	373	370	213	72.7	292	770	345
TDS	mg/L	3970	17900	1160	1140	1050	613	1370	1340	781

Table 2

Analytical Results Summary
Groundwater Monitoring Well Sampling
Chevron Environmental Management Company (CEMC) - Dollarhide
Andrews County, Texas
July 2021

Location ID:		NM-MW-4	NM-MW-5	NM-MW-6	NM-MW-7	NM-MW-8	NM-MW-9	NM-MW-10	NM-MW-11
Sample Name:		NM-MW-4-W-212307	NM-MW-5-W-212307	NM-MW-6-W-212307	NM-MW-7-W-212307	NM-MW-8-W-212307	NM-MW-9-212607	NM-MW-10-W-212307	NM-MW-11-W-212607
Sample Date:		07/23/2021	07/23/2021	07/23/2021	07/23/2021	07/23/2021	07/26/2021	07/23/2021	07/26/2021
Parameters	**Unit**								
General Chemistry									
Chloride	mg/L	47.8	156	151	2220	3290	258	363	174
TDS	mg/L	417	1280	821	4360	11400	808	1730	1990

Table 2

Analytical Results Summary
Groundwater Monitoring Well Sampling
Chevron Environmental Management Company (CEMC) - Dollarhide
Andrews County, Texas
July 2021

Location ID:		NM-MW-11	NM-MW-12	NM-MW-13	NM-MW-14	NM-MW-15	NM-MW-17
Sample Name:		NM-MW-11-WD-212607	NM-MW-12-W-212607	NM-MW-13-W-212607	NM-MW-14-212607	NM-MW-15-W-212607	NM-MW-17-W-212607
Sample Date:		07/26/2021	07/26/2021	07/26/2021	07/26/2021	07/26/2021	07/26/2021
		Duplicate					
Parameters	**Unit**						
General Chemistry							
Chloride	mg/L	175	485	203	28.4	57.1	212
TDS	mg/L	1950	1090	1100	500	516	1010

Table 2

Analytical Results Summary
Groundwater Monitoring Well Sampling
Chevron Environmental Management Company (CEMC) - Dollarhide
Andrews County, Texas
July 2021

Location ID:		NM-MW-20	NM-MW-21	Ranch Windmill	SMITH RESIDENCE	WILSON RANCH WW
Sample Name:		NM-MW-20-W-212607	NM-MW-21-W-212607	RRR-Ranch Windmill-W-212307	Smith Residence-W-212606	Wilson Ranch Well-W-212607
Sample Date:		07/26/2021	07/26/2021	07/23/2021	07/26/2021	07/26/2021
Parameters	**Unit**					
General Chemistry						
Chloride	mg/L	21.8	27.6	2110	1040	1070
TDS	mg/L	409	558	3740	1880	1970

Notes:

TDS - Total Dissolved Solids

Table 3

Analytical Methods
Groundwater Monitoring Well Sampling
Chevron Environmental Management Company (CEMC) - Dollarhide
Andrews County, Texas
July 2021

Parameter	Method	Matrix	Holding Time Collection to Analysis (Days)
Chloride	MCAWW 300.0	Water	28
TDS	SM 2540C	Water	7

Notes:

TDS - Total Dissolved Solids

Method References:

MCAWW - "Methods For Chemical Analysis Of Water And Wastes", EPA-600/4-79-020, March 1983 and subsequent revisions

SM - "Standard Methods for the Examination of Water and Wastewater", 18th Edition, 1992, with subsequent revisions

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

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

CONDITIONS

Action 92469

CONDITIONS

Operator:	OGRID:
SCOUT ENERGY MANAGEMENT LLC 13800 Montfort Road Dallas, TX 75240	330949
	Action Number: 92469
	Action Type: [UF-GWA] Ground Water Abatement (GROUND WATER ABATEMENT)

CONDITIONS

Created By	Condition	Condition Date
nvelez	Accepted for the record. Please see App ID 200734 for most updated status.	5/18/2023