2017 Annual Groundwater Monitoring Report

WT-1 Compressor Station
Lea County, New Mexico
NMOCD# AP-105

Transwestern Pipeline Company, LLC

GHD | 6121 Indian School Rd NE Suite 200 Albuquerque New Mexico 87110 USA

11103552 | 2017 | Report No 3 | March 23 2017

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1. Introduction

This report presents the results of monitoring and remediation activities conducted during 2017 by GHD Services, Inc. (GHD) at the Transwestern Pipeline Company, LLC (Transwestern) WT-1 Compressor Station (hereafter referred to as the "Site").

The Site is located 29 miles east of Carlsbad, New Mexico in the southwest quarter of Section 31, Township 20 South, Range 32 East in Lea County (Figure 1). Geographical coordinates for the Site are 32.531549° North, 103.807904° West.

1.1 Site Description and Background

The Site consists of an active compressor station and associated equipment and installations. The Site has been in active assessment and remediation since 1994.

The Site consists of two historically impacted areas, the former Engine Room Drain Pit (ERDP) located in the north-central portion of the Site and the dehydration area (DEHY) located in the southwest portion of the Site. A Site Plan is included as Figure 2.

The contaminants of concern (COCs) in the ERDP area consist of light non-aqueous phase (LNAPL), benzene, toluene, ethylbenzene, and xylene (BTEX), and the chlorinated solvents 1,1-dichloroethylene (1,1-DCE) and 1,1-dichloroethane (1,1-DCA). The COCs in the DEHY area consist of LNAPL and BTEX only.

A soil vapor extraction (SVE) system was installed in the DEHY area in 1996 and operated until 2013. The system was taken out of service due to significant reductions in volatile organic compound (VOC) mass removal.

In 2003, approximately 1,826 cubic yards (yd^3) of impacted soil was excavated from two locations in the ERDP area. The excavations extended up to 15 feet below ground surface (bgs). A 30 millimeter polyethylene liner was placed in the bottom of each excavation prior to backfilling.

During May 2016, GHD supervised well abandonment activities for recovery wells RW-1 through RW-12 and MW-2. The recovery wells were initially constructed as borehole wells and did not contain a well screen and casing with a proper seal. Monitoring well MW-2 has been dry since November 2011.

1.2 Site Characterization

According to the New Mexico Bureau of Mines and Mineral Resources (1982), the Site is situated in an area of recent Quaternary alluvial and piedmont deposits. Soils typically found in this area consist of silty and poorly graded sand and gravels with intermittent secondary cementation (caliche).

Groundwater at the Site is encountered at approximately 50 feet bgs and is unconfined. The groundwater gradient is generally to the north. Several current and historical playas are located in the vicinity of the Site and may be influencing groundwater elevations by creating perched aquifers.

2. Groundwater Monitoring Summary, Methodology, and Analytical Results

2.1 Groundwater Monitoring Summary

Annual groundwater monitoring activities were performed at the Site on April 24 through 26, 2017 by GHD. The sampling program included collecting a groundwater sample from seven wells in the ERDP area (MW-4, MW-5, MW-6, MW-7, MW-8, MW-14, and SVE-1A) and eight wells in the DEHY area (SVE-5, SVE-7, SVE-8, SVE-9, SVE-12, SVE-13, SVE-14 and MW-10).

2.2 Groundwater Monitoring Methodology

Prior to sampling, monitoring wells were gauged for depth to groundwater and LNAPL thickness (if present) using an oil/water interface probe. Groundwater elevations are summarized in Table 1. A groundwater potentiometric surface map for the April 2017 monitoring event is presented as Figure 3. Based on the 2017 annual monitoring event gauging data, groundwater flow is to the north and is consistent with historical data for the Site. The groundwater gradient is calculated at approximately 0.012 feet per foot.

Groundwater samples were collected using dedicated, disposable, polyethylene bailers. Monitoring wells were purged of three well volumes or until dry and allowed to recover. Groundwater quality parameters of temperature, pH, oxidation-reduction potential, and conductivity were recorded on groundwater sampling forms.

Groundwater samples were collected, placed in laboratory-prepared containers, packed on ice in a cooler, and shipped under chain-of-custody documentation to Hall Environmental Analysis Laboratory in Albuquerque, New Mexico. The samples were analyzed for VOCs by Environmental Protection Agency (EPA) method SW-846 8260B, semi-volatile organic compounds (SVOCs) by EPA method SW-846 8270C, and orthophosphate-phosphorus by method SM 4500, nitrate by EPA method 353, and total and dissolved iron by method SW 846 6010.

Additionally, during May 2017 gauging activities, LNAPL was measured in monitoring well MW-1 at a thickness of 0.95 ft. Approximately 0.25 of a gallon of product was bailed from the well and contained in a labeled drum on-Site.

2.3 Annual Groundwater Monitoring Analytical Results

The New Mexico Water Quality Control Commission (NMWQCC) mandates that groundwater quality in New Mexico be protected, and has issued groundwater quality standards in Title 20, Chapter 6, Part 2, Section 3103 of the New Mexico Administrative Code (20.6.2.3103 NMAC). Groundwater quality standards have been set for the protection of human health, domestic water supply, and irrigation use. Exceedances of NMWQCC standards in Site monitoring wells are discussed below. The laboratory analytical results are summarized in Table 2 and the corresponding laboratory analytical report is included in Appendix A. Additionally Figure 4 presents a summary of the primary constituent of concern concentrations for both the ERDP and DEHY areas.

VOCs

- Benzene: The NMWQCC standard for benzene is 10 micrograms per liter (ug/L). The groundwater samples collected from monitoring wells SVE-1A, SVE-5, SVE-7, SVE-9, SVE-12, SVE-13, SVE-14 and MW-10 exceeded the standard for benzene.
- Total Xylenes: The NMWQCC standard for total xylenes is 620 ug/L. The groundwater samples collected from monitoring well SVE-13 and MW-10 exceeded the standard for total xylenes.
- 1,1-DCA: The NMWQCC standard for 1,1-DCA is 25 ug/L. Groundwater samples collected from monitoring wells SVE-1A, MW-5, MW-7, and MW-8 exceeded the standard for 1,1-DCA.
- 1,1-DCE: The NMWQCC standard for 1,1-DCE is 5.0 ug/L. The groundwater sample collected from monitoring well SVE-1A exceeded the standard for 1,1-DCE.
- Vinyl chloride (VC): The NMWQCC standard for VC is 1.0 ug/L. None of the groundwater samples contained VC concentrations above the laboratory reporting limits of either 1.0, 5.0, or 10.0 ug/L.

SVOCs

- Groundwater samples were submitted for SVOC analysis. None of the SVOC COCs returned analytical results above the laboratory reporting limit.

Sulfate

- The NMWQCC standard for sulfate is 600 milligrams per liter (mg/L). The groundwater sample collected from monitoring well SVE-8 exceeded the standard for sulfate.

3. In-Situ Enhanced Bioremediation Injection Pilot Study

3.1 In-Situ Enhanced Bioremediation Injection Events

In April and October GHD performed injection events as part of an In-situ Enhanced Bioremediation (ISEB) treatment pilot study. ISEB treatment was performed in the DEHY area that contains wells MW-10, SVE-10, SVE-12, and SVE-13. ISEB treatment was performed using wells SVE-5, SVE-8, and MW-10 as injection wells during April 2017 and wells SVE-10, SVE-12, and SVE-13 in October 2017. Approximately 1,250 gallons of water and magnesium sulfate solution was injected into each well. Groundwater monitoring was performed prior to the first injection event, six months later prior to the second injection event, and again approximately three months after the second injection event. Monitoring wells used to assess the effectiveness of the injections included wells MW-10, SVE-5, SVE-13 and SVE-14.

3.2 ISEB Pilot Study Groundwater Monitoring

Two monitoring events were performed in 2017 (late April/early May and October) and one in February 2018. Analytical results from the sampling events were mixed. Wells that were monitored

during this period included SVE-5, SVE-13, SVE-14, and MW-10. The analytical results from these wells are as follows:

- Analytical results from SVE-5 indicated a decrease in benzene and xylene concentrations (1400 mg/L and 810 mg/L pre-injection to 250 mg/L and 550 mg/L post-injection, respectively). However, an increase in total naphthalenes was observed (33 mg/L to 153 mg/L). Sulfate concentrations had increased to 5700 mg/L in October 2017, but had dropped to 250 mg/L by February 2018, indicating that the anaerobic bacteria are using the available sulfate to degrade constituents.
- Analytical results from SVE-13 indicated a significant decrease in benzene from April 2017 to February 2018 (3300 mg/L to 450 mg/L). However, the February 2018 results were consistent with April 2016 results (450 mg/L compared to 430 mg/L). Reductions in xylene (630 mg/L to <15 mg/L) and total naphthalene (115 mg/L to <100 mg/L) were also observed. Sulfate concentrations were 700 mg/L in February 2018, a slight increase from April 2016 (400 mg/L).
- Analytical results from SVE-14 indicated a significant decrease in benzene from April 2017 to February 2018 (210 mg/L to 83 mg/L). However, the February 2018 results indicated an increase in benzene from the April 2016 results (83 mg/L compared to 37 mg/L). Total naphthalene concentrations remained approximately unchanged (17.8 mg/L versus 18.7 mg/L). However, sulfate concentrations were relatively low in this well (160 mg/L) in February 2018.
- Analytical results from MW-10 indicated an increase in benzene from April 2017 to February 2018 (5550 mg/L to 5900 mg/L) and a slight decrease in xylene (2400 mg/L to 2000 mg/L). Total naphthalene concentrations decreased (830 mg/L versus 116 mg/L). Sulfate concentrations increased from 13 mg/L to 900 mg/L during this time period.

While the analytical data indicate mixed results, in general, concentrations of benzene, xylene, and total naphthalenes have been decreasing. GHD believes that the decreasing concentrations indicate that ISEB is successfully degrading the COCs.

A summary of ISEB analytical results is presented as Table 3 and shown on Figure 4. Associated laboratory analytical reports are included in Appendix A.

4. Conclusions and Recommendations

A summary of the events and findings from 2017 are as follows:

- Samples from monitoring wells SVE-1A, SVE-5, SVE-7, SVE-9, SVE-10, SVE-12, SVE-13, SVE-14, MW-5, MW-7, and MW-10 exceed NMWQCC standards for one or more of the following COCs; benzene, xylenes, naphthalenes, 1,1-DCA, and 1,1-DCE. Exceedances of standards are summarized in Table 2 and shown on Figure 4.
- Hydrophobic, hydrocarbon-absorbent socks were utilized in MW-10, SVE-11, SVE-12, SVE-13, and SVE-14. Since utilization of absorbent socks, LNAPL thicknesses have been reduced to zero. LNAPL is also intermittently present in MW-1 and recovery is performed with a bailer to remove LNAPL when present. Approximately 0.25 gallons of LNAPL was bailed from MW-1 in May of 2017.

- While the results from the ISEB are mixed, they generally indicate a decrease in BTEX and napthalenes, while the added sulfate is being degraded.

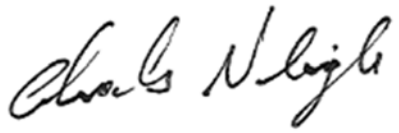
Based on the findings of the 2017 groundwater monitoring activities, GHD recommends the following:

- Perform ISEB Injections in the ERPD Area in the north of the Site with groundwater monitoring to follow.
- Perform additional sulfate injections in the DEHY area with follow-up quarterly groundwater monitoring of selected wells.

Please feel free to contact the Albuquerque GHD office if there are any questions or additional information is required.

All of which is Respectfully Submitted,

GHD



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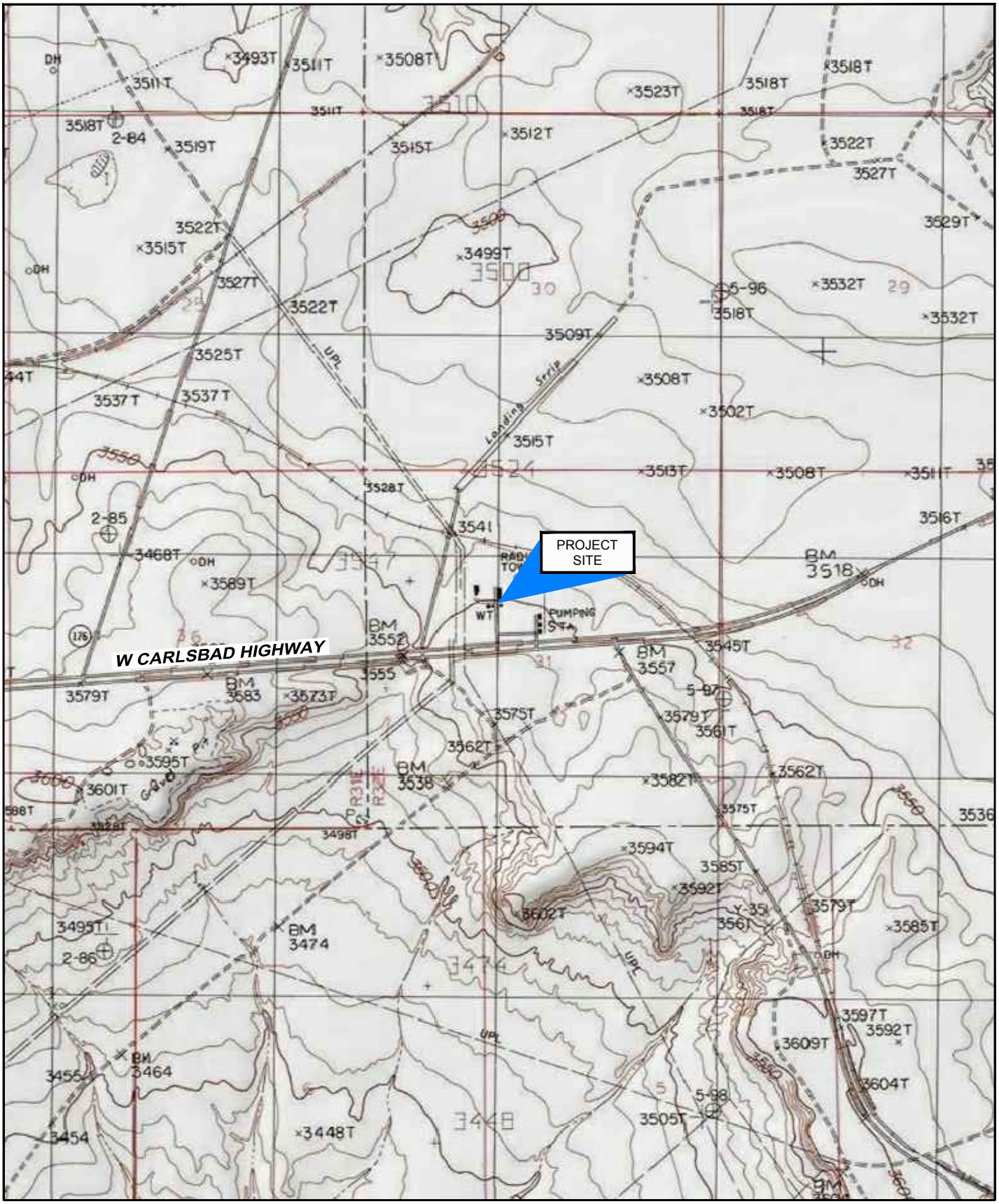
Senior Project Manager

Figures



Source: USGS 7.5 Minute quad "Williams Sink, New Mexico"

Lat/Long: 32.531549° North, 103.807904° West

0 1000 2000ft

Coordinate System:
NAD 83 STATE PLANE -
NEW MEXICO EAST (US FEET)

TRANSWESTERN PIPELINE COMPANY
LEA COUNTY, NEW MEXICO
WT-1 COMPRESSOR

11103552-00

Feb 20, 2018

SITE LOCATION MAP

FIGURE 1

CAD File: I:\CAD\Files\Eight Digit Job Numbers\1110----\11103552-Energy Transfer-WT-1 Compressor\11103552-00\11103552-00(003)\11103552-00(003)GN-DL001.dwg

Source: USDA FSA Imagery, May 10, 2014

Lat/Long: 32.531549° North, 103.807904° West

0 100 200ft

Coordinate System:
NAD 83 STATE PLANE -
NEW MEXICO EAST (US FEET)

TRANSWESTERN PIPELINE COMPANY
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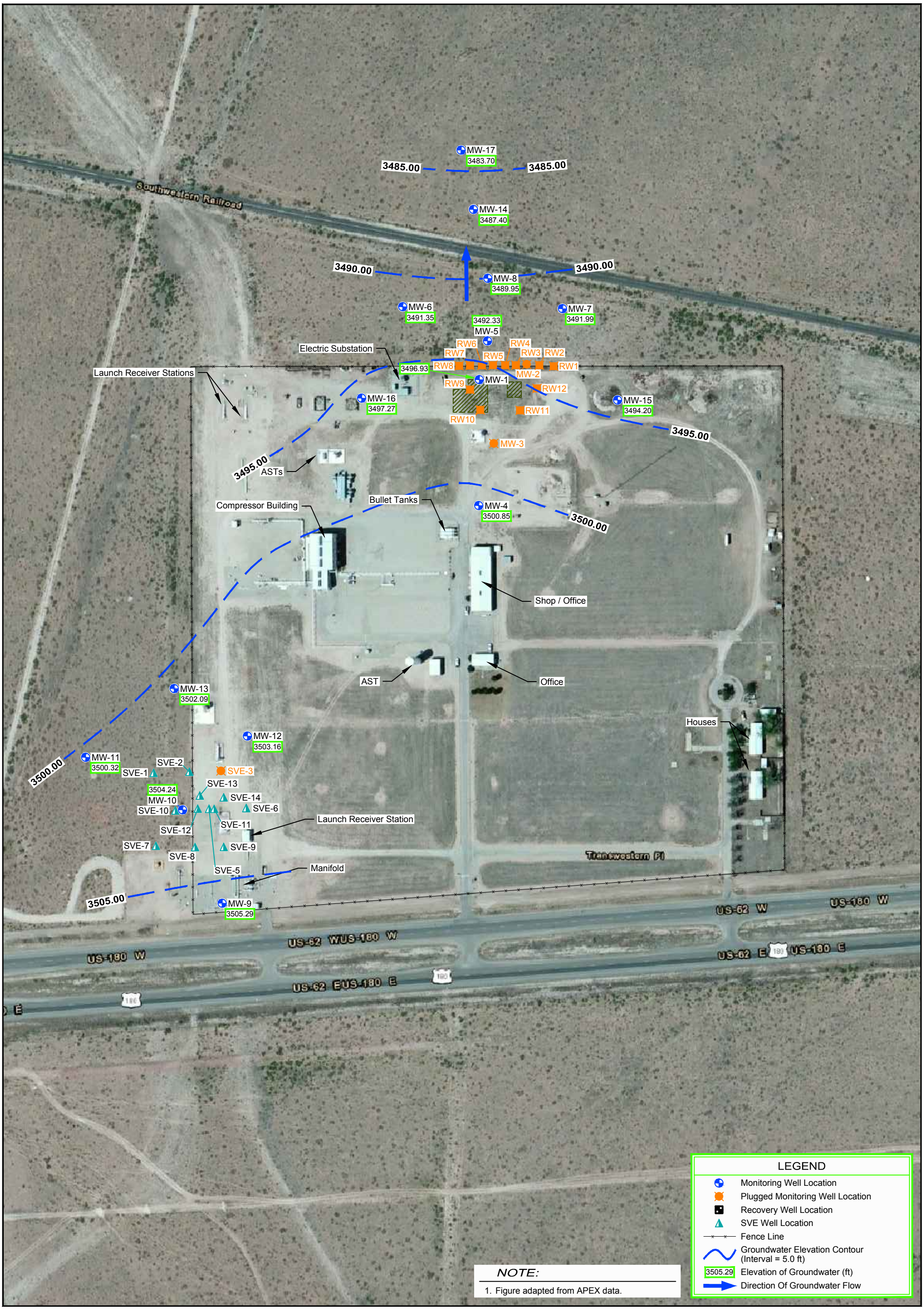
Feb 20, 2018

SITE PLAN

FIGURE 2

CAD File: I:\CAD\Files\Eight Digit Job Numbers\1110----\11103552-Energy Transfer-WT-1 Compressor\11103552-00\11103552-00(003)\11103552-00(003)GN-DL001.dwg



Source: USDA FSA Imagery, May 10, 2014

Lat/Long: 32.531549° North, 103.807904° West

0 100 200ft

Coordinate System:
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TRANSWESTERN PIPELINE COMPANY
LEA COUNTY, NEW MEXICO
WT-1 COMPRESSOR

GROUNDWATER POTENTIOMETRIC SURFACE MAP - APRIL 2017

11103552-00

Mar 20, 2018

FIGURE 3

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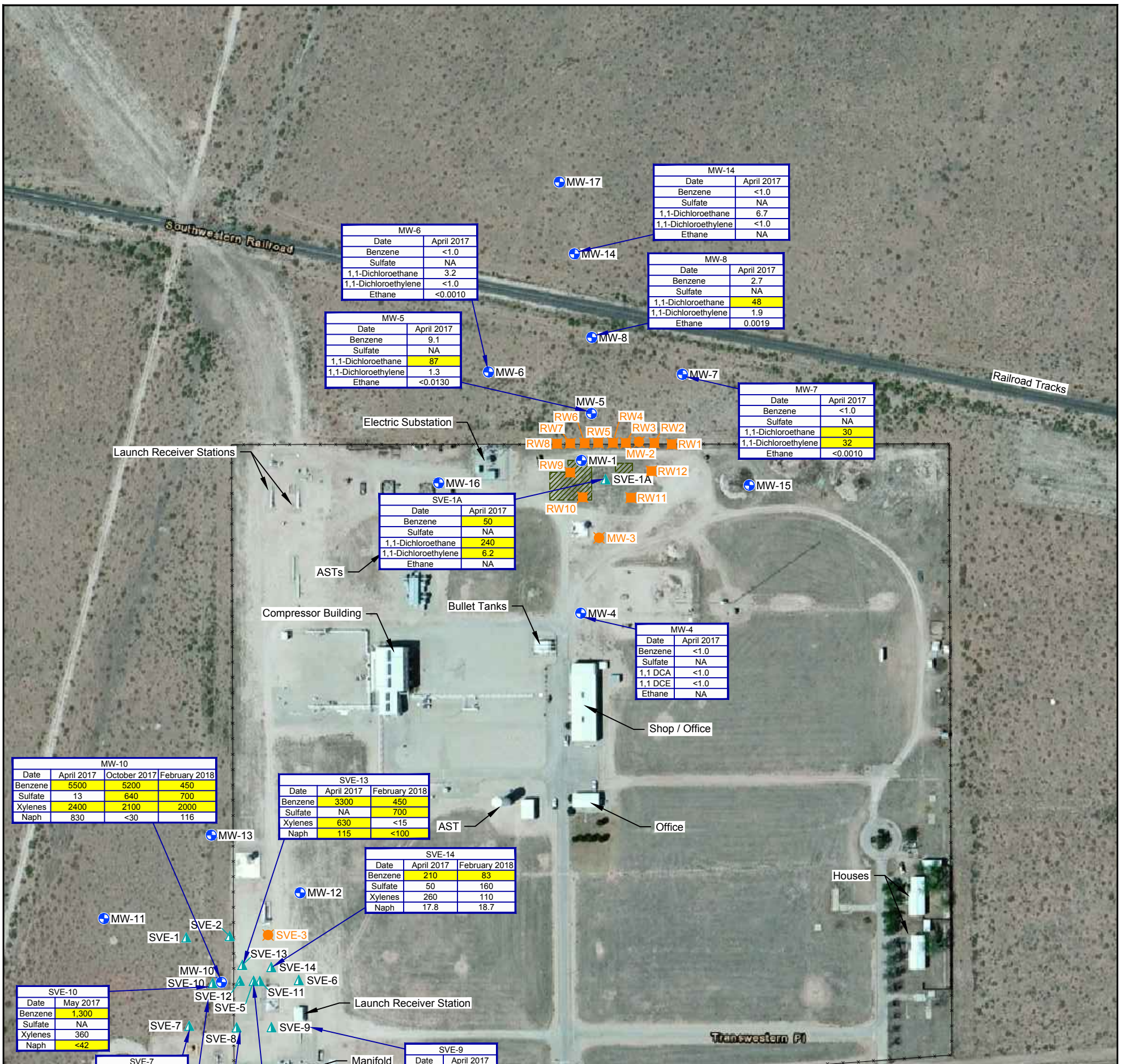

MW-14	
Date	April 2017
Benzene	<1.0
Sulfate	NA
1,1-Dichloroethane	6.7
1,1-Dichloroethylene	<1.0
Ethane	NA

MW-6	
Date	April 2017
Benzene	<1.0
Sulfate	NA
1,1-Dichloroethane	3.2
1,1-Dichloroethylene	<1.0
Ethane	<0.0010

MW-8	
Date	April 2017
Benzene	2.7
Sulfate	NA
1,1-Dichloroethane	48
1,1-Dichloroethylene	1.9
Ethane	0.0019

MW-5	
Date	April 2017
Benzene	9.1
Sulfate	NA
1,1-Dichloroethane	87
1,1-Dichloroethylene	1.3
Ethane	<0.0130

MW-7	
Date	April 2017
Benzene	<1.0
Sulfate	NA
1,1-Dichloroethane	30
1,1-Dichloroethylene	32
Ethane	<0.0010

SVE-1A	
Date	April 2017
Benzene	50
Sulfate	NA
1,1-Dichloroethane	240
1,1-Dichloroethylene	6.2
Ethane	NA

MW-4	
Date	April 2017
Benzene	<1.0
Sulfate	NA
1,1 DCA	<1.0
1,1 DCE	<1.0
Ethane	NA

MW-10		
Date	April 2017	October 2017	February 2018
Benzene	5500	5200	450
Sulfate	13	640	700
Xylenes	2400	2100	2000
Naph	830	<30	116

SVE-13		
Date	April 2017	February 2018
Benzene	3300	450
Sulfate	NA	700
Xylenes	630	<15
Naph	115	<100

SVE-14		
Date	April 2017	February 2018
Benzene	210	83
Sulfate	50	160
Xylenes	260	110
Naph	17.8	18.7

SVE-10	
Date	May 2017
Benzene	1,300
Sulfate	NA
Xylenes	360
Naph	<42

SVE-9	
Date	April 2017
Benzene	17
Sulfate	NA
Xylenes	12
Naph	<10

SVE-7	
Date	April 2017
Benzene	15
Sulfate	680
Xylenes	<1.5
Naph	<10

SVE-12	
Date	April 2017
Benzene	430
Sulfate	NA
Xylenes	13
Naph	7

SVE-5		
Date	April 2017	October 2017	February 2018
Benzene	1400	700	250
Sulfate	<2.5	5700	780
Xylenes	810	270	550
Naph	40	33	153

SVE-8		
Date	April 2017	October 2017
Benzene	<1.0	<1.0
Sulfate	990	1200
Xylenes	<1.5	<10
Naph	<10	<10

LEGEND

- Monitoring Well Location
- Plugged Monitoring Well Location
- Recovery Well Location
- SVE Well Location
- Fence Line
- Naph — Naphthalene Concentration

NOTES:

1. Analytical data is in µg/L except for sulfate and ethane which are in mg/L.
2. Yellow shaded cells indicates concentration over NMWQCC Standard.

Source: USDA FSA Imagery, May 10, 2014

Lat/Long: 32.531549° North, 103.807904° West

0 100 200ft

Coordinate System:
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TRANSWESTERN PIPELINE COMPANY
LEA COUNTY, NEW MEXICO
WT-1 COMPRESSOR

CONSTITUENT OF CONCERN CONCENTRATION MAP 2017 & FEBRUARY 2018

11103552-00

Mar 23, 2018

FIGURE 4

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Tables

Table 1

Summary of Groundwater Elevations
WT-1 Compressor Station
Lea County, New Mexico

Well ID	Sampling Date (b)	Top of Casing (ft)	Depth to LNAPL (ft)	Depth to Water (ft)	LNAPL (ft)	Surface Elevation (ft)
MW-1	4/11/2005	3547.65 (c)	-	50.55	-	3497.10
	12/1/2005		-	50.50	-	3497.15
	5/10/2006		-	50.46	-	3497.19
	12/13/2006		-	50.35	-	3497.30
	6/20/2007		-	50.20	-	3497.45
	12/6/2007		-	49.77	-	3497.88
	6/2/2008		49.90	49.91	0.01	3497.75
	12/10/2008		50.18	51.08	0.90	3497.29
	4/27/2009		50.08	51.02	0.94	3497.38
	6/11/2010		50.19	53.14	2.95	3496.87
	11/9/2011		50.50	54.75	4.25	3496.30
	6/26/2012		50.41	54.74	4.33	3496.37
	7/28/2012		50.91	52.71	1.80	3496.38
	8/31/2012		50.92	52.33	1.41	3496.45
	10/11/2012		51.00	52.50	1.50	3496.35
	6/20/2013		51.10	54.70	3.60	3495.83
	6/24/2014		51.70	55.50	3.80	3495.19
	4/17/2015		51.73	53.66	1.93	3495.53
	10/21/2015		51.46	54.52	3.06	3495.58
	11/24/2015		52.07	54.57	2.50	3495.08
	12/16/2015		52.21	52.22	0.01	3495.44
	1/27/2016		51.98	52.41	0.43	3495.58
	2/25/2016		51.88	53.07	1.19	3495.53
	3/29/2016		51.83	52.98	1.15	3495.59
	4/12/2016		-	-	-	-
	5/25/2016		52.08	52.21	0.13	3495.54
	6/30/2016		-	52.00	-	3495.65
	7/27/2016		-	51.80	-	3495.85
	9/23/2016		-	51.83	-	3495.82
	4/25/2017		50.61	51.14	0.53	3496.93
	5/2/2017		51.14	52.09	0.95	3496.32
MW-2	4/11/2005	3546.28 (c)	-	Dry (TD=52.32)	-	-
	12/1/2005		-	Dry (TD=52.32)	-	-
	5/10/2006		52.32	LNAPL to (TD=52.32)	sheen	-
	12/13/2006		51.81	LNAPL to (TD=52.32)	-	-
	6/20/2007		51.53	LNAPL to (TD=52.32)	-	-
	12/6/2007		51.46	LNAPL to (TD=52.32)	-	-
	6/2/2008		51.20	LNAPL to (TD=52.30)	-	-
	12/10/2008		51.38	LNAPL to (TD=52.35)	-	-
	4/27/2009		51.32	LNAPL to (TD=52.35)	-	-
	6/11/2010		51.92	LNAPL to (TD=52.35)	-	-
	11/9/2011		-	Dry (TD=52.25)	-	-
	6/26/2012		-	Dry (TD=52.30)	-	-
	6/20/2013		-	Dry (TD=52.30)	-	-
	6/24/2014		-	Dry (TD=52.30)	-	-
	4/17/2015		-	Dry	-	-
	10/21/2015		-	Dry	-	-
	11/24/2015		-	-	-	-
	12/16/2015		-	Dry	-	-
	1/27/2016		-	Dry	-	-
	2/25/2016		-	Dry	-	-
	3/29/2016		-	Dry	-	-
	4/12/2016		-	-	-	-
	5/25/2016		-	Dry	-	-
	6/30/2016		Well plugged and abandoned			

Table 1

Summary of Groundwater Elevations
WT-1 Compressor Station
Lea County, New Mexico

Well ID	Sampling Date (b)	Top of Casing (ft)	Depth to LNAPL (ft)	Depth to Water (ft)	LNAPL (ft)	Surface Elevation (ft)
MW-4	11/9/2004	3548.29 (c)	-	47.00	-	3501.29
	4/11/2005		-	46.72	-	3501.57
	12/1/2005		-	46.48	-	3501.81
	5/10/2006		-	47.09	-	3501.20
	12/13/2006		-	46.41	-	3501.88
	6/20/2007		-	46.95	-	3501.34
	12/6/2007		-	46.62	-	3501.67
	6/2/2008		-	46.92	-	3501.37
	12/10/2008		-	46.85	-	3501.44
	4/27/2009		-	47.18	-	3501.11
	6/11/2010		-	47.26	-	3501.03
	11/9/2011		-	47.16	-	3501.13
	6/26/2012		-	47.42	-	3500.87
	6/20/2013		-	47.68	-	3500.61
	4/18/2014		-	49.65	-	3498.64
	4/17/2015		-	47.56	-	3500.73
	10/21/2015		-	47.57	-	3500.72
	11/24/2015		-	47.53	-	3500.76
	12/16/2015		-	47.51	-	3500.78
	1/27/2016		-	47.48	-	3500.81
	2/25/2016		-	47.49	-	3500.80
	3/29/2016		-	47.45	-	3500.84
	4/12/2016		-	47.56	-	3500.73
	5/25/2016		-	47.55	-	3500.74
	6/30/2016		-	47.55	-	3500.74
	7/27/2016		-	47.48	-	3500.81
	9/23/2016		-	47.54	-	3500.75
	4/25/2017		-	47.44	-	3500.85
MW-5	4/11/2005	3543.60 (c)	-	51.03	-	3492.57
	12/1/2005		-	50.81	-	3492.79
	5/10/2006		-	50.71	-	3492.89
	12/13/2006		-	50.55	-	3493.05
	6/20/2007		-	50.38	-	3493.22
	12/6/2007		-	49.98	-	3493.62
	6/2/2008		-	50.05	-	3493.55
	12/10/2008		-	50.48	-	3493.12
	4/27/2009		-	50.39	-	3493.21
	6/11/2010		-	50.60	-	3493.00
	11/9/2011		-	51.22	-	3492.38
	6/26/2012		-	51.13	-	3492.47
	6/20/2013		-	51.80	-	3491.80
	6/24/2014		-	53.60	-	3490.00
	4/17/2015		-	53.28	-	3490.32
	10/21/2015		-	53.44	-	3490.16
	11/24/2015		-	-	-	-
	12/16/2015		-	51.99	-	3491.61
	1/27/2016		-	52.20	-	3491.40
	2/25/2016		-	52.22	-	3491.38
	3/29/2016		-	51.70	-	3491.90
	4/12/2016		-	52.15	-	3491.45
	5/25/2016		-	51.98	-	3491.62
	6/30/2016		-	51.98	-	3491.62
	7/27/2016		-	51.88	-	3491.72
	9/23/2016		-	51.86	-	3491.74
	4/25/2017		-	51.27	-	3492.33

Table 1

Summary of Groundwater Elevations
WT-1 Compressor Station
Lea County, New Mexico

Well ID	Sampling Date (b)	Top of Casing (ft)	Depth to LNAPL (ft)	Depth to Water (ft)	LNAPL (ft)	Surface Elevation (ft)
MW-6	4/11/2005	3543.33 (c)	-	51.53	-	3491.80
	12/1/2005		-	51.52	-	3491.81
	5/10/2006		-	51.42	-	3491.91
	12/13/2006		-	51.16	-	3492.17
	6/20/2007		-	51.05	-	3492.28
	12/6/2007		-	49.60	-	3493.73
	6/2/2008		-	50.72	-	3492.61
	12/10/2008		-	51.15	-	3492.18
	4/27/2009		-	51.19	-	3492.14
	6/11/2010		-	51.27	-	3492.06
	11/9/2011		-	51.93	-	3491.40
	6/26/2012		-	52.03	-	3491.30
	6/20/2013		-	52.89	-	3490.44
	6/24/2014		-	54.60	-	3488.73
	4/17/2015		-	53.72	-	3489.61
	10/21/2015		-	54.15	-	3489.18
	11/24/2015		-	-	-	-
	12/16/2015		-	52.98	-	3490.35
	1/27/2016		-	53.11	-	3490.22
	2/25/2016		-	53.12	-	3490.21
	3/29/2016		-	52.60	-	3490.73
	4/12/2016		-	53.06	-	3490.27
	5/25/2016		-	52.92	-	3490.41
	6/30/2016		-	52.95	-	3490.38
	7/27/2016		-	-	-	-
	9/23/2016		-	-	-	-
	4/25/2017		-	51.98	-	3491.35
MW-7	4/11/2005	3542.00 (c)	-	49.93	-	3492.07
	12/1/2005		-	50.02	-	3491.98
	5/10/2006		-	49.97	-	3492.03
	12/13/2006		-	49.40	-	3492.60
	6/20/2007		-	49.31	-	3492.69
	12/6/2007		-	48.89	-	3493.11
	6/2/2008		-	49.00	-	3493.00
	12/10/2008		-	49.45	-	3492.55
	4/27/2009		-	49.45	-	3492.55
	6/11/2010		-	49.84	-	3492.16
	11/9/2011		-	50.44	-	3491.56
	6/26/2012		-	50.32	-	3491.68
	6/20/2013		-	51.03	-	3490.97
	6/24/2014		-	51.72	-	3490.28
	4/17/2015		-	51.19	-	3490.81
	10/21/2015		-	50.80	-	3491.20
	11/24/2015		-	-	-	-
	12/16/2015		-	50.51	-	3491.49
	1/27/2016		-	50.73	-	3491.27
	2/25/2016		-	50.85	-	3491.15
	3/29/2016		-	50.44	-	3491.56
	4/12/2016		-	50.87	-	3491.13
	5/25/2016		-	50.81	-	3491.19
	6/30/2016		-	50.93	-	3491.07
	7/27/2016		-	-	-	-
	9/23/2016		-	-	-	-
	4/25/2017		-	50.01	-	3491.99

Table 1

Summary of Groundwater Elevations
WT-1 Compressor Station
Lea County, New Mexico

Well ID	Sampling Date (b)	Top of Casing (ft)	Depth to LNAPL (ft)	Depth to Water (ft)	LNAPL (ft)	Surface Elevation (ft)
MW-8	4/11/2005	3541.49 (c)	-	51.47	-	3490.02
	12/1/2005		-	51.47	-	3490.02
	5/10/2006		-	51.35	-	3490.14
	12/13/2006		-	50.91	-	3490.58
	6/20/2007		-	50.76	-	3490.73
	12/6/2007		-	50.29	-	3491.20
	6/2/2008		-	50.45	-	3491.04
	12/10/2008		-	50.96	-	3490.53
	4/27/2009		-	50.93	-	3490.56
	6/11/2010		-	51.15	-	3490.34
	11/9/2011		-	51.85	-	3489.64
	6/26/2012		-	51.71	-	3489.78
	6/20/2013		-	52.43	-	3489.06
	6/24/2014		-	54.20	-	3487.29
	4/17/2015		-	53.86	-	3487.63
	10/21/2015		-	53.78	-	3487.71
	11/24/2015		-	-	-	-
	12/16/2015		-	52.46	-	3489.03
	1/27/2016		-	52.57	-	3488.92
	2/25/2016		-	52.60	-	3488.89
	3/29/2016		-	52.05	-	3489.44
	4/12/2016		-	52.53	-	3488.96
	5/25/2016		-	52.43	-	3489.06
	6/30/2016		-	52.45	-	3489.04
	7/27/2016		-	-	-	-
	9/23/2016		-	-	-	-
	4/25/2017		-	51.54	-	3489.95
MW-9	4/11/2005	3557.31	-	53.80	-	3503.51
	12/1/2005		-	53.03	-	3504.28
	5/10/2006		-	52.64	-	3504.67
	12/14/2006		-	52.08	-	3505.23
	6/20/2007		-	51.84	-	3505.47
	12/7/2007		-	51.57	-	3505.74
	5/30/2008		-	51.79	-	3505.52
	12/10/2008		-	52.32	-	3504.99
	5/1/2009		-	52.36	-	3504.95
	6/11/2010		-	52.92	-	3504.39
	11/10/2011		-	52.82	-	3504.49
	6/26/2012		-	53.14	-	3504.17
	6/20/2013		-	53.78	-	3503.53
	6/24/2014		-	54.37	-	3502.94
	4/17/2015		-	54.19	-	3503.12
	10/21/2015		-	54.15	-	3503.16
	11/24/2015		-	53.95	-	3503.36
	12/16/2015		-	53.90	-	3503.41
	1/27/2016		-	53.75	-	3503.56
	2/25/2016		-	53.76	-	3503.55
	3/29/2016		-	53.33	-	3503.98
	4/12/2016		-	-	-	-
	5/25/2016		-	53.39	-	3503.92
	7/1/2016		-	53.22	-	3504.09
	7/27/2016		-	-	-	-
	9/23/2016		-	-	-	-
	4/24/2017		-	52.02	-	3505.29

Table 1

Summary of Groundwater Elevations
WT-1 Compressor Station
Lea County, New Mexico

Well ID	Sampling Date (b)	Top of Casing (ft)	Depth to LNAPL (ft)	Depth to Water (ft)	LNAPL (ft)	Surface Elevation (ft)
MW-10	4/11/2005	3554.31 (c)	51.66	52.22	0.56	3502.54
	12/1/2005		50.97	51.58	0.61	3503.22
	5/10/2006		50.33	51.04	0.71	3503.84
	12/14/2006		49.87	50.77	0.90	3504.26
	6/20/2007		49.47	50.54	1.07	3504.63
	12/7/2007		49.19	50.36	1.17	3504.89
	5/30/2008		49.31	50.52	1.21	3504.76
	12/10/2008		49.74	50.89	1.15	3504.34
	5/1/2009		50.07	50.09	0.02	3504.24
	8/22/2009		50.21	50.22	0.01	3504.10
	10/5/2009		49.91	49.91	sheen	3504.40
	6/11/2010		50.59	50.65	0.06	3503.71
	11/10/2011		50.50	50.53	0.03	3503.80
	6/26/2012		50.78	50.83	0.05	3503.52
	6/20/2013		51.35	51.35	sheen	3502.96
	6/24/2014		51.91	52.00	0.09	3502.38
	4/17/2015		-	51.89	-	3502.42
	10/21/2015		-	51.99	-	3502.32
	11/24/2015		-	51.80	-	3502.51
	12/16/2015		51.79	51.84	0.05	3502.51
	1/27/2016		-	51.93	-	3502.38
	2/25/2016		-	51.78	-	3502.53
	3/29/2016		-	51.31	-	3503.00
	4/12/2016		-	-	-	-
	5/25/2016		-	51.26	-	3503.05
	7/1/2016		-	51.19	-	3503.12
	7/27/2016		-	-	-	-
	9/23/2016		-	-	-	-
	4/24/2017		-	50.06	-	3504.25
	10/9/2017		-	50.07	-	3504.24
MW-11	4/11/2005	3547.84 (b)	-	51.18	-	3496.66
	12/1/2005		-	51.10	-	3496.74
	5/10/2006		-	50.75	-	3497.09
	12/14/2006		-	50.31	-	3497.53
	6/20/2007		-	50.03	-	3497.81
	12/7/2007		-	49.32	-	3498.52
	5/30/2008		-	49.15	-	3498.69
	12/10/2008		-	49.01	-	3498.83
	5/1/2009		-	48.64	-	3499.20
	6/11/2010		-	48.23	-	3499.61
	11/10/2011		-	48.48	-	3499.36
	6/26/2012		-	48.07	-	3499.77
	6/20/2013		-	48.06	-	3499.78
	6/24/2014		-	48.25	-	3499.59
	4/17/2015		-	48.15	-	3499.69
	10/21/2015		-	-	-	-
	11/24/2015		-	-	-	-
	12/16/2015		-	48.18	-	3499.66
	1/27/2016		-	48.40	-	3499.44
	2/25/2016		-	48.44	-	3499.40
	3/29/2016		-	48.01	-	3499.83
	4/12/2016		-	-	-	-
	5/25/2016		-	48.17	-	3499.67
	7/1/2016		-	48.14	-	3499.70
	7/27/2016		-	-	-	-
	9/23/2016		-	-	-	-
	4/24/2017		-	47.52	-	3500.32

Table 1

Summary of Groundwater Elevations
WT-1 Compressor Station
Lea County, New Mexico

Well ID	Sampling Date (b)	Top of Casing (ft)	Depth to LNAPL (ft)	Depth to Water (ft)	LNAPL (ft)	Surface Elevation (ft)
MW-12	4/11/2005	3551.19 (b)	-	49.37	-	3501.82
	12/1/2005		-	49.05	-	3502.14
	5/10/2006		-	48.51	-	3502.68
	12/14/2006		-	48.11	-	3503.08
	6/20/2007		-	47.85	-	3503.34
	12/7/2007		-	47.42	-	3503.77
	5/30/2008		-	47.55	-	3503.64
	12/10/2008		-	47.78	-	3503.41
	5/1/2009		-	47.65	-	3503.54
	6/11/2010		-	48.15	-	3503.04
	11/10/2011		-	48.49	-	3502.70
	6/26/2012		-	48.47	-	3502.72
	6/20/2013		-	48.94	-	3502.25
	6/24/2014		-	49.40	-	3501.79
	4/17/2015		-	49.26	-	3501.93
	10/21/2015		-	-	-	-
	11/24/2015		-	49.33	-	3501.86
	12/16/2015		-	49.42	-	3501.77
	1/27/2016		-	49.58	-	3501.61
	2/25/2016		-	49.61	-	3501.58
	3/29/2016		-	49.02	-	3502.17
	4/12/2016		-	-	-	-
	5/25/2016		-	49.18	-	3502.01
	6/30/2016		-	49.12	-	3502.07
	7/27/2016		-	-	-	-
	9/23/2016		-	-	-	-
	4/24/2017		-	48.02	-	3503.170
MW-13	4/11/2005	3547.78 (b)	-	48.13	-	3499.65
	12/1/2005		-	47.75	-	3500.03
	5/10/2006		-	46.88	-	3500.90
	12/14/2006		-	46.02	-	3501.76
	6/20/2007		-	45.43	-	3502.35
	12/7/2007		-	45.07	-	3502.71
	5/30/2008		-	45.02	-	3502.76
	12/10/2008		-	45.18	-	3502.60
	5/1/2009		-	45.20	-	3502.58
	6/11/2010		-	45.65	-	3502.13
	11/10/2011		-	45.54	-	3502.24
	6/26/2012		-	45.79	-	3501.99
	6/20/2013		-	46.40	-	3501.38
	6/24/2014		-	46.89	-	3500.89
	4/16/2015		-	47.01	-	3500.77
	10/21/2015		-	-	-	-
	11/24/2015		-	47.12	-	3500.66
	12/16/2015		-	-	-	-
	1/27/2016		-	-	-	-
	2/25/2016		-	-	-	-
	3/29/2016		-	-	-	-
	4/12/2016		-	-	-	-
	5/25/2016		-	-	-	-
	6/30/2016		-	-	-	-
	7/27/2016		-	-	-	-
	9/23/2016		-	-	-	-
	4/24/2017		-	45.69	-	3502.09

Table 1

Summary of Groundwater Elevations
WT-1 Compressor Station
Lea County, New Mexico

Well ID	Sampling Date (b)	Top of Casing (ft)	Depth to LNAPL (ft)	Depth to Water (ft)	LNAPL (ft)	Surface Elevation (ft)
MW-14	4/11/2005	3539.73 (c)	-	52.25	-	3487.48
	12/1/2005		-	52.16	-	3487.57
	5/10/2006		-	52.05	-	3487.68
	12/13/2006		-	51.86	-	3487.87
	6/20/2007		-	51.66	-	3488.07
	12/6/2007		-	51.29	-	3488.44
	6/2/2008		-	51.35	-	3488.38
	12/10/2008		-	51.77	-	3487.96
	4/27/2009		-	51.79	-	3487.94
	6/11/2010		-	51.89	-	3487.84
	11/9/2011		-	52.48	-	3487.25
	6/26/2012		-	52.36	-	3487.37
	6/20/2013		-	52.89	-	3486.84
	6/24/2014		-	53.68	-	3486.05
	4/15/2015		-	53.14	-	3486.59
	10/21/2015		-	53.37	-	3486.36
	11/24/2015		-	-	-	-
	12/16/2015		-	53.01	-	3486.72
	1/27/2016		-	53.12	-	3486.61
	2/25/2016		-	53.17	-	3486.56
	3/29/2016		-	52.68	-	3487.05
	4/12/2016		-	53.10	-	3486.63
	5/25/2016		-	53.00	-	3486.73
	6/30/2016		-	53.03	-	3486.70
	7/27/2016		-	-	-	-
	9/23/2016		-	-	-	-
	4/25/2017		-	52.33	-	3487.4
MW-15	4/11/2005	3542.82 (c)	-	48.39	-	3494.43
	12/1/2005		-	48.51	-	3494.31
	5/10/2006		-	48.54	-	3494.28
	12/13/2006		-	47.84	-	3494.98
	6/20/2007		-	47.79	-	3495.03
	12/6/2007		-	47.39	-	3495.43
	6/2/2008		-	47.60	-	3495.22
	12/10/2008		-	47.80	-	3495.02
	4/27/2009		-	47.87	-	3494.95
	6/11/2010		-	48.50	-	3494.32
	11/9/2011		-	48.82	-	3494.00
	6/26/2012		-	48.86	-	3493.96
	6/20/2013		-	49.77	-	3493.05
	6/24/2014		-	51.10	-	3491.72
	4/17/2015		-	50.33	-	3492.49
	10/21/2015		-	48.64	-	3494.18
	11/24/2015		-	48.54	-	3494.28
	12/16/2015		-	48.84	-	3493.98
	1/27/2016		-	49.19	-	3493.63
	2/25/2016		-	49.33	-	3493.49
	3/29/2016		-	49.04	-	3493.78
	4/12/2016		-	-	-	-
	5/25/2016		-	49.37	-	3493.45
	6/30/2016		-	49.53	-	3493.29
	7/27/2016		-	-	-	-
	9/23/2016		-	-	-	-
	4/25/2017		-	48.62	-	3494.2

Table 1

Summary of Groundwater Elevations
WT-1 Compressor Station
Lea County, New Mexico

Well ID	Sampling Date (b)	Top of Casing (ft)	Depth to LNAPL (ft)	Depth to Water (ft)	LNAPL (ft)	Surface Elevation (ft)
MW-16	4/11/2005	3545.68 (c)	-	47.32	-	3498.36
	12/1/2005		-	47.52	-	3498.16
	5/10/2006		-	47.76	-	3497.92
	12/13/2006		-	47.46	-	3498.22
	6/20/2007		-	47.48	-	3498.20
	12/6/2007		-	47.25	-	3498.43
	6/2/2008		-	47.42	-	3498.26
	12/10/2008		-	47.61	-	3498.07
	4/27/2009		-	47.76	-	3497.92
	6/11/2010		-	47.94	-	3497.74
	11/9/2011		-	48.22	-	3497.46
	6/26/2012		-	48.61	-	3497.07
	6/20/2013		-	49.68	-	3496.00
	6/24/2014		-	50.91	-	3494.77
	4/17/2015		-	50.32	-	3495.36
	10/21/2015		-	-	-	-
	11/24/2015		-	-	-	-
	12/16/2015		-	50.79	-	3494.89
	1/27/2016		-	50.09	-	3495.59
	2/25/2016		-	50.01	-	3495.67
	3/29/2016		-	49.50	-	3496.18
	4/12/2016		-	-	-	-
	5/25/2016		-	49.63	-	3496.05
	6/30/2016		-	49.59	-	3496.09
	7/27/2016		-	-	-	-
	9/23/2016		-	-	-	-
	4/25/2017		-	48.41	-	3497.27
MW-17	4/11/2005	3538.60 (d)	-	54.05	-	3484.55
	12/1/2005		-	53.99	-	3484.61
	5/10/2006		-	53.89	-	3484.71
	12/13/2006		-	53.75	-	3484.85
	6/20/2007		-	53.61	-	3484.99
	12/6/2007		-	53.25	-	3485.35
	6/2/2008		-	53.28	-	3485.32
	12/10/2008		-	53.60	-	3485.00
	4/27/2009		-	53.57	-	3485.03
	6/11/2010		-	53.63	-	3484.97
	11/9/2011		-	54.20	-	3484.40
	6/26/2012		-	54.00	-	3484.60
	6/20/2013		-	54.43	-	3484.17
	6/24/2014		-	55.89	-	3482.71
	4/17/2015		-	55.22	-	3483.38
	10/21/2015		-	-	-	-
	11/24/2015		-	-	-	-
	12/16/2015		-	55.32	-	3483.28
	1/27/2016		-	55.43	-	3483.17
	2/25/2016		-	55.48	-	3483.12
	3/29/2016		-	55.08	-	3483.52
	4/12/2016		-	-	-	-
	5/25/2016		-	55.20	-	3483.40
	6/30/2016		-	55.41	-	3483.19
	7/27/2016		-	-	-	-
	9/23/2016		-	-	-	-
	4/25/2017		-	54.90	-	3483.7

Table 1

Summary of Groundwater Elevations
WT-1 Compressor Station
Lea County, New Mexico

Well ID	Sampling Date (b)	Top of Casing (ft)	Depth to LNAPL (ft)	Depth to Water (ft)	LNAPL (ft)	Surface Elevation (ft)
SVE-1A	4/11/2005	3545.59 (c)	-	48.75	-	3496.84
	12/1/2005		-	48.81	-	3496.78
	5/10/2006		-	48.72	-	3496.87
	12/13/2006		-	48.58	-	3497.01
	6/20/2007		-	48.45	-	3497.14
	12/6/2007		-	48.07	-	3497.52
	6/2/2008		-	48.19	-	3497.40
	12/10/2008		-	48.35	-	3497.24
	4/27/2009		-	48.37	-	3497.22
	6/11/2010		-	48.74	-	3496.85
	11/9/2011		-	49.00	-	3496.59
	6/26/2012		-	49.02	-	3496.57
	6/20/2013		-	49.59	-	3496.00
	6/24/2014		-	50.10	-	3495.49
	4/17/2015		-	49.93	-	3495.66
	10/21/2015		-	49.88	-	3495.71
	11/24/2015		-	-	-	-
	12/16/2015		-	49.77	-	3495.82
	1/27/2016		-	49.98	-	3495.61
	2/25/2016		-	49.93	-	3495.66
	3/29/2016		-	49.47	-	3496.12
	4/12/2016		-	49.84	-	3495.75
	5/25/2016		-	49.71	-	3495.88
	6/30/2016		-	49.68	-	3495.91
	7/27/2016		-	49.58	-	3496.01
	9/23/2016		-	49.53	-	3496.06
	4/25/2017		-	48.81	-	3496.78
SVE-1	4/11/2005	3551.22 (e)	-	50.72	-	3500.50
	12/1/2005		-	50.44	-	3500.78
	5/10/2006		-	50.05	-	3501.17
	12/14/2006		-	48.37	-	3502.85
	6/20/2007		-	49.09	-	3502.13
	12/7/2007		-	48.57	-	3502.65
	5/30/2008		-	48.42	-	3502.80
	12/10/2008		-	48.43	-	3502.79
	5/1/2009		-	48.24	-	3502.98
	6/11/2010		-	48.44	-	3502.78
	11/10/2011		-	48.70	-	3502.52
	6/26/2012		-	48.62	-	3502.60
	6/20/2013		-	49.04	-	3502.18
	6/24/2014		-	49.57	-	3501.65
	4/17/2015		-	49.57	-	3501.65
	10/21/2015		-	49.78	-	3501.44
	11/24/2015		-	49.63	-	3501.59
	12/16/2015		-	49.69	-	3501.53
	1/27/2016		-	49.82	-	3501.40
	2/25/2016		-	49.88	-	3501.34
	3/29/2016		-	49.42	-	3501.80
	4/12/2016		-	49.74	-	3501.48
	5/25/2016		-	49.54	-	3501.68
	7/1/2016		-	49.46	-	3501.76
	7/27/2016		-	49.37	-	3501.85
	9/23/2016		-	49.20	-	3502.02
	4/24/2017		-	48.49	-	3502.73
	5/2/2017		-	50.41	-	3500.81

Table 1

Summary of Groundwater Elevations
WT-1 Compressor Station
Lea County, New Mexico

Well ID	Sampling Date (b)	Top of Casing (ft)	Depth to LNAPL (ft)	Depth to Water (ft)	LNAPL (ft)	Surface Elevation (ft)
SVE-2	5/24/2004	3551.96 (e)	-	49.70	-	3502.26
	11/9/2004		-	49.85	-	3502.11
	4/11/2005		-	50.31	-	3501.65
	12/1/2005		-	49.62	-	3502.34
	5/10/2006		-	48.15	-	3503.81
	12/14/2006		-	47.82	-	3504.14
	6/20/2007		-	47.48	-	3504.48
	12/7/2007		-	47.28	-	3504.68
	5/30/2008		-	47.40	-	3504.56
	12/10/2008		-	47.84	-	3504.12
	5/1/2009		-	47.92	-	3504.04
	6/11/2010		-	48.56	-	3503.40
	11/10/2011		-	48.33	-	3503.63
	6/26/2012		-	48.64	-	3503.32
	6/20/2013		-	49.20	-	3502.76
	6/24/2014		-	49.75	-	3502.21
	4/17/2015		Well could not be located			
	10/21/2015		Well could not be located			
	11/24/2015		Well could not be located			
	12/16/2015		Well could not be located - will no longer gauge			
SVE-3	5/24/2004	3552.75 (e)	--	Dry (TD=41.00)	--	--
	11/9/2004	3552.75 (e)	--	Dry (TD=41.00)	--	--
	12/1/2004	3552.75 (e)	Well plugged and abandoned			
SVE-5	4/11/2005	3554.39 (e)	51.40	51.99	0.59	3502.87
	12/1/2005		50.81	51.57	0.76	3503.43
	5/10/2006		50.24	51.09	0.85	3503.98
	12/14/2006		47.85	48.12	0.27	3506.49
	6/20/2007		-	46.76	-	3507.63
	12/7/2007		-	47.37	-	3507.02
	5/30/2008		-	47.98	-	3506.41
	12/10/2008		-	48.73	-	3505.66
	5/1/2009		-	49.66	-	3504.73
	6/11/2010		50.08	50.12	0.04	3504.30
	11/10/2011		-	50.28	-	3504.11
	6/26/2012		50.61	50.67	0.06	3503.77
	6/20/2013		51.25	51.42	0.17	3503.11
	6/24/2014		51.74	51.99	0.25	3502.60
	4/17/2015		51.38	51.40	0.02	3503.01
	10/21/2015		-	49.72	-	3504.67
	11/24/2015		-	49.29	-	3505.10
	12/16/2015		-	48.70	-	3505.69
	1/27/2016		-	47.73	-	3506.66
	2/25/2016		-	47.30	-	3507.09
	3/29/2016		-	47.03	-	3507.36
	4/12/2016		-	47.03	-	3507.36
	5/25/2016		-	47.13	-	3507.26
	7/1/2016		-	47.60	-	3506.79
	7/27/2016		-	47.43	-	3506.96
	9/23/2016		-	47.19	-	3507.20
	4/24/2017		-	45.00	-	3509.39
	10/9/2017		-	49.42	-	3504.97

Table 1

Summary of Groundwater Elevations
WT-1 Compressor Station
Lea County, New Mexico

Well ID	Sampling Date (b)	Top of Casing (ft)	Depth to LNAPL (ft)	Depth to Water (ft)	LNAPL (ft)	Surface Elevation (ft)
SVE-6	4/11/2005	3553.74 (e)	-	51.82	-	3501.92
	5/10/2006		-	49.45	-	3504.29
	12/14/2006		-	48.88	-	3504.86
	6/20/2007		-	48.50	-	3505.24
	12/7/2007		-	48.18	-	3505.56
	5/30/2008		-	48.32	-	3505.42
	12/10/2008		-	48.81	-	3504.93
	5/1/2009		-	48.79	-	3504.95
	6/11/2010		-	49.31	-	3504.43
	11/10/2011		-	49.33	-	3504.41
	6/26/2012		-	49.50	-	3504.24
	6/20/2013		-	50.13	-	3503.61
	6/24/2014		-	50.63	-	3503.11
	4/17/2015		-	51.61	-	3502.13
	10/21/2015		-	50.61	-	3503.13
	11/24/2015		-	50.48	-	3503.26
	12/16/2015		-	50.56	-	3503.18
	1/27/2016		-	50.53	-	3503.21
	2/25/2016		-	50.54	-	3503.20
	3/29/2016		-	50.04	-	3503.70
	4/12/2016		-	50.30	-	3503.44
	5/25/2016		-	50.08	-	3503.66
	7/1/2016		-	49.95	-	3503.79
	7/27/2016		-	49.82	-	3503.92
	9/23/2016		-	49.64	-	3504.10
	4/24/2017		-	48.71	-	3505.03
SVE-7	4/11/2005	3553.81 (e)	-	52.38	-	3501.43
	12/1/2005		-	51.85	-	3501.96
	5/10/2006		-	51.23	-	3502.58
	12/14/2006		-	50.46	-	3503.35
	6/20/2007		-	50.04	-	3503.77
	12/7/2007		-	49.53	-	3504.28
	5/30/2008		-	49.45	-	3504.36
	12/10/2008		-	49.71	-	3504.10
	5/1/2009		-	49.65	-	3504.16
	6/11/2010		-	50.11	-	3503.70
	11/10/2011		-	50.15	-	3503.66
	6/26/2012		-	50.24	-	3503.57
	6/20/2013		-	50.78	-	3503.03
	6/24/2014		-	51.39	-	3502.42
	4/17/2015		-	51.30	-	3502.51
	10/21/2015		-	51.46	-	3502.35
	11/24/2015		-	51.33	-	3502.48
	12/16/2015		-	51.30	-	3502.51
	1/27/2016		-	51.40	-	3502.41
	2/25/2016		-	51.36	-	3502.45
	3/29/2016		-	50.87	-	3502.94
	4/12/2016		-	51.17	-	3502.64
	5/25/2016		-	50.85	-	3502.96
	7/1/2016		-	50.73	-	3503.08
	7/27/2016		-	50.63	-	3503.18
	9/23/2016		-	50.43	-	3503.38
	4/24/2017		-	49.64	-	3504.17

Table 1

Summary of Groundwater Elevations
WT-1 Compressor Station
Lea County, New Mexico

Well ID	Sampling Date (b)	Top of Casing (ft)	Depth to LNAPL (ft)	Depth to Water (ft)	LNAPL (ft)	Surface Elevation (ft)
SVE-8	4/11/2005	3555.25 (e)	-	52.39	-	3502.86
	12/1/2005		-	51.60	-	3503.65
	5/10/2006		-	51.07	-	3504.18
	12/14/2006		-	50.67	-	3504.58
	6/20/2007		-	50.18	-	3505.07
	12/7/2007		-	50.03	-	3505.22
	5/30/2008		-	50.12	-	3505.13
	12/10/2008		-	50.58	-	3504.67
	5/1/2009		-	50.63	-	3504.62
	6/11/2010		-	52.13	-	3503.12
	11/10/2011		-	52.04	-	3503.21
	6/26/2012		-	52.34	-	3502.91
	6/20/2013		-	52.95	-	3502.30
	6/24/2014		-	53.49	-	3501.76
	4/17/2015		-	53.48	-	3501.77
	10/21/2015		-	53.35	-	3501.90
	11/24/2015		-	53.28	-	3501.97
	12/16/2015		-	53.18	-	3502.07
	1/27/2016		-	53.11	-	3502.14
	2/25/2016		-	53.03	-	3502.22
	3/29/2016		-	52.78	-	3502.47
	4/12/2016		-	52.86	-	3502.39
	5/25/2016		-	52.63	-	3502.62
	7/1/2016		-	52.54	-	3502.71
	7/27/2016		-	52.42	-	3502.83
	9/23/2016		-	52.29	-	3502.96
	4/24/2017		-	51.51	-	3503.74
	10/9/2017		-	49.85	-	3505.40
SVE-9	4/11/2005	3555.36 (e)	-	53.53	-	3501.83
	12/1/2005		-	51.81	-	3503.55
	5/10/2006		-	51.10	-	3504.26
	12/14/2006		-	50.61	-	3504.75
	6/20/2007		-	50.31	-	3505.05
	12/7/2007		-	49.91	-	3505.45
	5/30/2008		-	50.00	-	3505.36
	12/10/2008		-	50.46	-	3504.90
	5/1/2009		-	50.48	-	3504.88
	6/11/2010		-	51.03	-	3504.33
	11/10/2011		-	50.97	-	3504.39
	6/26/2012		-	51.22	-	3504.14
	6/20/2013		-	51.85	-	3503.51
	6/24/2014		-	52.39	-	3502.97
	4/17/2015		-	52.46	-	3502.90
	10/21/2015		-	52.33	-	3503.03
	11/24/2015		-	52.22	-	3503.14
	12/16/2015		-	52.25	-	3503.11
	1/27/2016		-	52.15	-	3503.21
	2/25/2016		-	52.17	-	3503.19
	3/29/2016		-	51.70	-	3503.66
	4/12/2016		-	51.93	-	3503.43
	5/25/2016		-	51.68	-	3503.68
	7/1/2016		-	53.22	-	3502.14
	7/27/2016		-	51.44	-	3503.92
	9/23/2016		-	51.27	-	3504.09
	4/24/2017		-	50.26	-	3505.10

Table 1

Summary of Groundwater Elevations
WT-1 Compressor Station
Lea County, New Mexico

Well ID	Sampling Date (b)	Top of Casing (ft)	Depth to LNAPL (ft)	Depth to Water (ft)	LNAPL (ft)	Surface Elevation (ft)
SVE-10	4/11/2005	3554.40 (e)	-	52.06	-	3502.34
	12/1/2005		-	51.50	-	3502.90
	5/10/2006		50.89	50.89	sheen	3503.51
	12/14/2006		-	50.53	-	3503.87
	6/20/2007		50.10	50.10	sheen	3504.30
	12/7/2007		49.85	49.85	sheen	3504.55
	5/30/2008		-	49.82	-	3504.58
	12/10/2008		-	50.12	-	3504.28
	5/1/2009		-	50.23	-	3504.17
	6/11/2010		-	50.71	-	3503.69
	11/10/2011		-	50.58	-	3503.82
	6/26/2012		-	50.82	-	3503.58
	6/20/2013		-	51.41	-	3502.99
	6/24/2014		-	51.85	-	3502.55
	4/17/2015		-	52.02	-	3502.38
	10/21/2015		-	52.11	-	3502.29
	11/24/2015		-	52.03	-	3502.37
	12/16/2015		-	51.95	-	3502.45
	1/27/2016		-	51.93	-	3502.47
	2/25/2016		-	51.85	-	3502.55
	3/29/2016		-	51.70	-	3502.70
	4/12/2016		-	52.74	-	3501.66
	5/25/2016		-	51.62	-	3502.78
	7/1/2016		-	51.42	-	3502.98
	7/27/2016		-	51.28	-	3503.12
	9/23/2016		-	51.21	-	3503.19
	4/24/2017		-	50.50	-	3503.90
	5/2/2017		-	48.75	-	3505.65
SVE-11	4/11/2005	3555.33 (e)	52.54	52.55	0.01	3502.79
	12/1/2005		51.81	53.05	1.24	3503.27
	5/10/2006		51.19	52.55	1.36	3503.87
	12/14/2006		50.71	50.71	sheen	3504.62
	6/20/2007		50.36	52.04	1.68	3504.63
	12/7/2007		50.05	51.90	1.85	3504.91
	5/30/2008		50.09	52.35	2.26	3504.79
	12/10/2008		50.58	52.72	2.14	3504.32
	5/1/2009		-	51.08	-	3504.25
	8/22/2009		-	51.60	-	3503.73
	10/5/2009		51.23	51.23	sheen	3504.10
	6/11/2010		51.49	51.61	0.12	3503.82
	11/10/2011		51.54	51.55	0.01	3503.79
	6/26/2012		51.66	52.24	0.58	3503.55
	6/20/2013		52.42	52.49	0.07	3502.90
	6/24/2014		52.71	53.52	0.81	3502.46
	4/17/2015		52.85	53.34	0.49	3502.38
	10/21/2015		52.76	53.29	0.53	3502.46
	11/24/2015		-	52.88	-	3502.45
	12/16/2015		-	52.85	-	3502.48
	1/27/2016		52.82	53.05	0.23	3502.46
	2/25/2016		52.72	52.96	0.24	3502.56
	3/29/2016		52.34	52.50	0.16	3502.96
	4/12/2016		-	-	-	-
	5/25/2016		52.41	52.46	0.05	3502.91
	7/1/2016		-	52.27	-	3503.06
	7/27/2016		-	52.09	-	3503.24
	9/23/2016		-	51.92	-	3503.41
	4/24/2017		-	51.17	-	3504.16

Table 1

Summary of Groundwater Elevations
WT-1 Compressor Station
Lea County, New Mexico

Well ID	Sampling Date (b)	Top of Casing (ft)	Depth to LNAPL (ft)	Depth to Water (ft)	LNAPL (ft)	Surface Elevation (ft)
SVE-12	4/11/2005	3555.64 (e)	52.97	52.98	0.01	3502.67
	12/1/2005		52.20	52.90	0.70	3503.30
	5/10/2006		51.61	52.37	0.76	3503.88
	12/14/2006		51.22	52.12	0.90	3504.24
	6/20/2007		50.81	51.81	1.00	3504.63
	12/7/2007		50.52	51.57	1.05	3504.91
	5/30/2008		50.65	51.75	1.10	3504.77
	12/10/2008		51.11	52.34	1.23	3504.28
	5/1/2009		-	51.53	-	3504.11
	8/22/2009		51.58	51.60	0.02	3504.06
	10/5/2009		-	51.39	-	3504.25
	6/11/2010		52.04	52.08	0.04	3503.59
	11/10/2011		51.91	52.02	0.11	3503.71
	6/26/2012		52.25	52.40	0.15	3503.36
	6/20/2013		52.90	52.90	sheen	3502.74
	6/24/2014		53.31	53.34	0.03	3502.32
	4/17/2015		53.38	53.43	0.05	3502.25
	10/21/2015		53.33	53.40	0.07	3502.30
	11/24/2015		-	53.25	-	3502.39
	12/16/2015		-	53.28	-	3502.36
	1/27/2016		-	53.26	-	3502.38
	2/25/2016		-	53.18	-	3502.46
	3/29/2016		-	52.77	-	3502.87
	4/12/2016		-	52.97	-	3502.67
	5/25/2016		-	52.72	-	3502.92
	7/1/2016		-	52.59	-	3503.05
	7/27/2016		-	52.53	-	3503.11
	9/23/2016		-	52.37	-	3503.27
	4/24/2017		-	51.50	-	3504.14
SVE-13	4/11/2005	3554.11 (e)	-	51.49	-	3502.62
	12/1/2005		-	50.86	-	3503.25
	5/10/2006		-	49.18	-	3504.93
	12/14/2006		-	48.76	-	3505.35
	6/20/2007		-	48.46	-	3505.65
	12/7/2007		-	48.21	-	3505.90
	5/30/2008		-	49.38	-	3504.73
	12/10/2008		-	49.86	-	3504.25
	5/1/2009		-	49.98	-	3504.13
	6/11/2010		-	49.11	-	3505.00
	11/10/2011		-	50.34	-	3503.77
	6/26/2012		-	49.65	-	3504.46
	6/20/2013		-	50.21	-	3503.90
	6/24/2014		51.74	51.75	0.01	3502.37
	4/17/2015		51.86	51.87	0.01	3502.25
	10/21/2015		51.75	51.76	0.01	3502.36
	11/24/2015		-	51.75	-	3502.36
	12/16/2015		-	51.70	-	3502.41
	1/27/2016		-	51.64	-	3502.47
	2/25/2016		-	51.54	-	3502.57
	3/29/2016		-	51.19	-	3502.92
	4/12/2016		-	51.34	-	3502.77
	5/25/2016		-	51.10	-	3503.01
	7/1/2016		-	50.99	-	3503.12
	7/27/2016		-	50.89	-	3503.22
	9/23/2016		-	50.74	-	3503.37
	4/24/2017		-	49.94	-	3504.17

Table 1

Summary of Groundwater Elevations
WT-1 Compressor Station
Lea County, New Mexico

Well ID	Sampling Date (b)	Top of Casing (ft)	Depth to LNAPL (ft)	Depth to Water (ft)	LNAPL (ft)	Surface Elevation (ft)
SVE-14	4/11/2005	3554.83 (e)	-	49.37	-	3505.46
	12/1/2005		51.65	51.66	0.01	3503.18
	5/10/2006		-	50.02	-	3504.81
	12/14/2006		-	49.56	-	3505.27
	6/20/2007		-	49.08	-	3505.75
	12/7/2007		48.64	48.64	sheen	3506.19
	5/30/2008		49.92	49.92	sheen	3504.91
	12/10/2008		50.34	50.34	sheen	3504.49
	5/1/2009		50.42	50.42	sheen	3504.41
	6/11/2010		49.99	49.99	sheen	3504.84
	11/10/2011		50.97	50.97	sheen	3503.86
	6/26/2012		50.22	50.22	sheen	3504.61
	6/20/2013		50.91	50.91	sheen	3503.92
	6/24/2014		52.34	52.35	0.01	3502.49
	4/17/2015		52.54	52.55	0.01	3502.29
	10/21/2015		-	52.38	-	3502.45
	11/24/2015		-	52.37	-	3502.46
	12/16/2015		-	52.33	-	3502.50
	1/27/2016		-	52.39	-	3502.44
	2/25/2016		-	52.25	-	3502.58
	3/29/2016		-	51.88	-	3502.95
	4/12/2016		-	52.11	-	3502.72
	5/25/2016		-	51.86	-	3502.97
	7/1/2016		-	51.73	-	3503.10
	7/27/2016		-	51.63	-	3503.20
	9/23/2016		-	51.55	-	3503.28
	4/24/2017		-	51.71	-	3503.12
RW-1	4/11/2005	3545.97 (c)	-	52.29	-	3493.68
	12/1/2005		-	52.40	-	3493.57
	5/10/2006		-	52.41	-	3493.56
	12/13/2006		-	51.72	-	3494.25
	6/20/2007		-	51.62	-	3494.35
	12/6/2007		-	51.30	-	3494.67
	6/2/2008		-	51.38	-	3494.59
	12/10/2008		-	51.74	-	3494.23
	4/27/2009		-	51.79	-	3494.18
	6/11/2010		-	52.33	-	3493.64
	11/9/2011		-	52.80	-	3493.17
	6/26/2012		-	52.80	-	3493.17
	6/20/2013		-	53.64	-	3492.33
	6/24/2014		-	54.30	-	3491.67
	4/17/2015		-	53.47	-	3492.50
	10/21/2015		-	-	-	-
	11/24/2015		-	-	-	-
	12/16/2015		-	52.80	-	3493.17
	1/27/2016		-	53.16	-	3492.81
	2/25/2016		-	53.29	-	3492.68
	3/29/2016		-	52.88	-	3493.09
	4/12/2016		-	-	-	-
	5/24/2016		-	53.21	-	3492.76
	6/30/2016		Well plugged and abandoned			

Table 1

Summary of Groundwater Elevations
WT-1 Compressor Station
Lea County, New Mexico

Well ID	Sampling Date (b)	Top of Casing (ft)	Depth to LNAPL (ft)	Depth to Water (ft)	LNAPL (ft)	Surface Elevation (ft)
RW-2	4/11/2005	3546.26 (c)	52.57	52.57	sheen	3493.69
	12/1/2005		-	52.68	-	3493.58
	5/10/2006		52.68	52.68	sheen	3493.58
	12/13/2006		-	52.01	-	3494.25
	6/20/2007		-	51.95	-	3494.31
	12/6/2007		51.55	51.55	sheen	3494.71
	6/2/2008		-	51.63	-	3494.63
	12/10/2008		-	52.03	-	3494.23
	4/27/2009		-	52.08	-	3494.18
	6/11/2010		-	52.56	-	3493.70
	11/9/2011		-	53.07	-	3493.19
	6/26/2012		53.02	53.03	0.01	3493.24
	7/28/2012		53.24	53.25	0.01	3493.02
	8/31/2012		53.23	53.25	0.02	3493.03
	10/11/2012		53.38	53.40	0.02	3492.88
	6/20/2013		53.81	53.90	0.09	3492.43
	6/24/2014		-	54.46	-	3491.80
	4/17/2015		-	53.71	-	3492.55
	10/21/2015		-	52.89	-	3493.37
	11/24/2015		-	52.85	-	3493.41
	12/16/2015		-	53.10	-	3493.16
	1/27/2016		-	53.47	-	3492.79
	2/25/2016		-	53.57	-	3492.69
	3/29/2016		-	53.12	-	3493.14
	4/12/2016		-	-	-	-
	5/24/2016		-	53.45	-	3492.81
	6/30/2016		Well plugged and abandoned			
RW-3	4/11/2005	3546.41 (c)	-	52.49	-	3493.92
	12/1/2005		-	52.65	-	3493.76
	5/10/2006		-	52.51	-	3493.90
	12/13/2006		-	52.06	-	3494.35
	6/20/2007		-	51.97	-	3494.44
	12/6/2007		-	51.56	-	3494.85
	6/2/2008		-	51.65	-	3494.76
	12/10/2008		-	52.07	-	3494.34
	4/27/2009		-	51.90	-	3494.51
	6/11/2010		-	52.39	-	3494.02
	11/9/2011		-	52.91	-	3493.50
	6/26/2012		-	52.90	-	3493.51
	6/20/2013		-	53.57	-	3492.84
	6/24/2014		-	54.12	-	3492.29
	4/17/2015		-	53.54	-	3492.87
	10/21/2015		-	-	-	-
	11/24/2015		-	-	-	-
	12/16/2015		-	53.08	-	3493.33
	1/27/2016		-	53.48	-	3492.93
	2/25/2016		-	53.45	-	3492.96
	3/29/2016		-	53.12	-	3493.29
	4/12/2016		-	-	-	-
	4/12/2016		-	53.27	-	3493.14
	6/30/2016		Well plugged and abandoned			

Table 1

Summary of Groundwater Elevations
WT-1 Compressor Station
Lea County, New Mexico

Well ID	Sampling Date (b)	Top of Casing (ft)	Depth to LNAPL (ft)	Depth to Water (ft)	LNAPL (ft)	Surface Elevation (ft)
RW-4	4/11/2005	3546.96 (c)	-	52.54	-	3494.42
	12/1/2005		-	52.68	-	3494.28
	5/10/2006		-	52.49	-	3494.47
	12/13/2006		-	52.25	-	3494.71
	6/20/2007		-	51.72	-	3495.24
	12/6/2007		-	51.70	-	3495.26
	6/2/2008		-	51.77	-	3495.19
	12/10/2008		-	52.16	-	3494.80
	4/27/2009		-	52.00	-	3494.96
	6/11/2010		-	52.42	-	3494.54
	11/9/2011		-	52.98	-	3493.98
	6/26/2012		-	52.95	-	3494.01
	6/20/2013		-	53.55	-	3493.41
	6/24/2014		-	54.10	-	3492.86
	4/17/2015		-	53.57	-	3493.39
	10/21/2015		-	-	-	-
	11/24/2015		-	-	-	-
	12/16/2015		-	53.31	-	3493.65
	1/27/2016		-	53.72	-	3493.24
	2/25/2016		-	53.64	-	3493.32
	3/29/2016		-	53.25	-	3493.71
	4/12/2016		-	-	-	-
	5/24/2016		-	53.40	-	3493.56
	6/30/2016		Well plugged and abandoned			
RW-5	4/11/2005	3546.75 (c)	-	51.10	-	3495.65
	12/1/2005		-	51.11	-	3495.64
	5/10/2006		-	50.92	-	3495.83
	12/13/2006		-	50.88	-	3495.87
	6/20/2007		-	50.76	-	3495.99
	12/6/2007		-	50.32	-	3496.43
	6/2/2008		-	50.35	-	3496.40
	12/10/2008		-	50.80	-	3495.95
	4/27/2009		-	50.64	-	3496.11
	6/11/2010		-	50.92	-	3495.83
	11/9/2011		-	51.46	-	3495.29
	6/26/2012		-	51.41	-	3495.34
	6/20/2013		-	51.95	-	3494.80
	6/24/2014		-	52.42	-	3494.33
	4/17/2015		-	52.57	-	3494.18
	10/21/2015		-	-	-	-
	11/24/2015		-	-	-	-
	12/16/2015		-	52.26	-	3494.49
	1/27/2016		-	52.56	-	3494.19
	2/25/2016		-	52.45	-	3494.30
	3/29/2016		-	52.00	-	3494.75
	4/12/2016		-	-	-	-
	5/24/2016		-	52.09	-	3494.66
	6/30/2016		Well plugged and abandoned			

Table 1

Summary of Groundwater Elevations
WT-1 Compressor Station
Lea County, New Mexico

Well ID	Sampling Date (b)	Top of Casing (ft)	Depth to LNAPL (ft)	Depth to Water (ft)	LNAPL (ft)	Surface Elevation (ft)
RW-6	4/11/2005	3546.69 (c)	-	50.57	-	3496.12
	12/1/2005		-	50.64	-	3496.05
	5/10/2006		-	50.37	-	3496.32
	12/13/2006		-	50.62	-	3496.07
	6/20/2007		-	50.33	-	3496.36
	12/6/2007		-	49.95	-	3496.74
	6/2/2008		-	49.99	-	3496.70
	12/10/2008		-	50.28	-	3496.41
	4/27/2009		-	50.23	-	3496.46
	6/11/2010		-	50.53	-	3496.16
	11/9/2011		-	50.90	-	3495.79
	6/26/2012		-	51.05	-	3495.64
	6/20/2013		-	51.69	-	3495.00
	6/24/2014		-	52.28	-	3494.41
	4/17/2015		-	52.22	-	3494.47
	10/21/2015		-	-	-	-
	11/24/2015		-	-	-	-
	12/16/2015		-	52.00	-	3494.69
	1/27/2016		-	52.33	-	3494.36
	2/25/2016		-	52.17	-	3494.52
	3/29/2016		-	51.77	-	3494.92
	4/12/2016		-	-	-	-
	5/24/2016		-	51.80	-	3494.89
	6/30/2016		Well plugged and abandoned			
RW-7	4/11/2005	3547.50 (c)	-	50.92	-	3496.58
	12/1/2005		-	50.96	-	3496.54
	5/10/2006		-	50.76	-	3496.74
	12/13/2006		-	50.91	-	3496.59
	6/20/2007		-	50.70	-	3496.80
	12/6/2007		-	50.34	-	3497.16
	6/2/2008		-	50.40	-	3497.10
	12/10/2008		-	50.78	-	3496.72
	4/27/2009		-	50.70	-	3496.80
	6/11/2010		-	50.95	-	3496.55
	11/9/2011		-	51.38	-	3496.12
	6/26/2012		-	51.51	-	3495.99
	6/20/2013		-	52.10	-	3495.40
	6/24/2014		-	52.59	-	3494.91
	4/17/2015		-	52.67	-	3494.83
	10/21/2015		-	-	-	-
	11/24/2015		-	-	-	-
	12/16/2015		-	52.38	-	3495.12
	1/27/2016		-	52.71	-	3494.79
	2/25/2016		-	52.54	-	3494.96
	3/29/2016		-	52.10	-	3495.40
	4/12/2016		-	-	-	-
	5/24/2016		-	52.10	-	3495.40
	6/30/2016		Well plugged and abandoned			

Table 1

Summary of Groundwater Elevations
WT-1 Compressor Station
Lea County, New Mexico

Well ID	Sampling Date (b)	Top of Casing (ft)	Depth to LNAPL (ft)	Depth to Water (ft)	LNAPL (ft)	Surface Elevation (ft)
RW-8	4/11/2005	3547.04 (c)	49.77	49.79	0.02	3497.27
	12/1/2005		-	49.71	-	3497.33
	5/10/2006		49.66	49.66	sheen	3497.38
	12/13/2006		49.76	49.76	sheen	3497.28
	6/20/2007		-	49.64	-	3497.40
	12/6/2007		-	49.36	-	3497.68
	6/2/2008		-	49.32	-	3497.72
	12/10/2008		-	49.75	-	3497.29
	4/27/2009		-	49.76	-	3497.28
	6/11/2010		-	50.03	-	3497.01
	11/9/2011		-	50.34	-	3496.70
	6/26/2012		-	50.47	-	3496.57
	6/20/2013		-	51.05	-	3495.99
	6/24/2014		-	51.57	-	3495.47
	4/17/2015		-	51.61	-	3495.43
	10/21/2015		-	-	-	-
	11/24/2015		-	-	-	-
	12/16/2015		-	51.40	-	3495.64
	1/27/2016		-	51.60	-	3495.44
	2/25/2016		-	51.43	-	3495.61
	3/29/2016		-	51.03	-	3496.01
	4/12/2016		-	-	-	-
	5/24/2016		-	51.02	-	3496.02
	6/30/2016		Well plugged and abandoned			
RW-9	6/24/2014	3545.84 (c)	Well could not be located			
	4/17/2015		Well could not be located			
	10/21/2015		Well could not be located			
	11/24/2015		Well could not be located			
	12/16/2015		Well could not be located - will no longer gauge			
RW-10	4/11/2005	3546.32 (c)	-	48.15	-	3498.17
	12/1/2005		-	48.17	-	3498.15
	5/10/2006		-	48.23	-	3498.09
	12/13/2006		-	47.98	-	3498.34
	6/20/2007		-	48.09	-	3498.23
	12/6/2007		-	47.49	-	3498.83
	6/2/2008		-	47.62	-	3498.70
	12/10/2008		-	47.89	-	3498.43
	4/27/2009		-	48.01	-	3498.31
	6/11/2010		-	48.39	-	3497.93
	11/9/2011		-	48.70	-	3497.62
	6/26/2012		-	48.81	-	3497.51
	6/20/2013		-	49.41	-	3496.91
	6/24/2014		-	49.84	-	3496.48
	4/17/2015		-	49.75	-	3496.57
	10/21/2015		-	49.60	-	3496.72
	11/24/2015		-	-	-	-
	12/16/2015		-	49.58	-	3496.74
	1/27/2016		-	49.80	-	3496.52
	2/25/2016		-	49.73	-	3496.59
	3/29/2016		-	49.12	-	3497.20
	4/12/2016		-	-	-	-
	5/24/2016		-	49.26	-	3497.06
	6/30/2016		Well plugged and abandoned			

Table 1

Summary of Groundwater Elevations
WT-1 Compressor Station
Lea County, New Mexico

Well ID	Sampling Date (b)	Top of Casing (ft)	Depth to LNAPL (ft)	Depth to Water (ft)	LNAPL (ft)	Surface Elevation (ft)
RW-11	4/11/2005	3545.74 (c)	-	48.67	-	3497.07
	12/1/2005		-	48.78	-	3496.96
	5/10/2006		-	48.78	-	3496.96
	12/13/2006		-	48.41	-	3497.33
	6/20/2007		-	48.43	-	3497.31
	12/6/2007		-	47.81	-	3497.93
	6/2/2008		-	47.94	-	3497.80
	12/10/2008		-	48.16	-	3497.58
	4/27/2009		-	48.27	-	3497.47
	6/11/2010		-	48.87	-	3496.87
	11/9/2011		-	49.15	-	3496.59
	6/26/2012		-	49.29	-	3496.45
	6/20/2013		-	49.98	-	3495.76
	6/24/2014		-	49.35	-	3496.39
	4/17/2015		-	50.23	-	3495.51
	10/21/2015		-	-	-	-
	11/24/2015		-	-	-	-
	12/16/2015		-	49.90	-	3495.84
	1/27/2016		-	50.17	-	3495.57
	2/25/2016		-	50.10	-	3495.64
	3/29/2016		-	49.61	-	3496.13
	4/12/2016		-	-	-	-
	5/24/2016		-	49.76	-	3495.98
	6/30/2016		Well plugged and abandoned			
RW-12	4/11/2005	3544.43 (c)	-	49.79	-	3494.64
	12/1/2005		-	49.90	-	3494.53
	5/10/2006		-	49.90	-	3494.53
	12/13/2006		-	49.28	-	3495.15
	6/20/2007		-	49.24	-	3495.19
	12/6/2007		-	48.76	-	3495.67
	6/2/2008		-	48.87	-	3495.56
	12/10/2008		-	49.20	-	3495.23
	4/27/2009		-	49.30	-	3495.13
	6/11/2010		-	49.78	-	3494.65
	11/9/2011		-	50.21	-	3494.22
	6/26/2012		-	50.26	-	3494.17
	6/20/2013		-	51.04	-	3493.39
	6/24/2014		-	51.41	-	3493.02
	4/17/2015		-	51.27	-	3493.16
	10/21/2015		-	50.31	-	3494.12
	11/24/2015		-	50.26	-	3494.17
	12/16/2015		-	50.45	-	3493.98
	1/27/2016		-	50.80	-	3493.63
	2/25/2016		-	50.84	-	3493.59
	3/29/2016		-	50.42	-	3494.01
	4/12/2016		-	-	-	-
	5/24/2016		-	50.66	-	3493.77
	6/30/2016		Well plugged and abandoned			

Notes:

(a) - = Not Applicable
(b) Groundwater elevation data for years prior to 2005 may be found in the 2014 Groundwater Report and previous reports
(c) Survey by John West Engineering, Hobbs, NM dated 11/94
(d) Survey by John West Engineering, Hobbs, NM dated 02/22/96
(e) Survey by Cypress Engineering, Houston, TX dated 08/11/99
(f) SVE-3 plugged and abandoned on 12-01-04 by George Friend.

Table 2

Summary of Groundwater Analytical Results
WT-1 Compressor Station
Lea County, New Mexico

Well ID	Sampling Date	BTEX (ug/L)				Other VOCs (ug/L)												SVOCs (ug/L)				Inorganics (mg/L)									Gases (mg/L)		
		Benzene	Toluene	Ethylbenzene	Xylenes (total)	Acetone	1,1-Dichloroethane (1,1-DCA)	1,2-Dichloroethane (EDC)	1,1-Dichloroethylene (1,1-DCE)	cis-1,2-Dichloroethylene	Methylene chloride	4-methyl-2-pentanone	Tetrachloroethylene (PCE)	1,1,1-Trichloroethane	Trichloroethylene (TCE)	Chloroform	Vinyl chloride	Naphthalene*	1-Methylnaphthalene	2-Methylnaphthalene	Total Naphthalenes	Sulfates	TDS	Total Organic Carbon	Nitrogen, Nitrate (As N)	Phosphourous, Orthophosphate (As P)	Nitrogen, Ammonia	Dissolved Iron	Sulfide	Total Iron	Methane	Ethane	Ethene
New Mexico Water Quality Control Commission Standard		**10**	**750**	**750**	**620**	**NE**	**25**	**10**	**5**	**NE**	**100**	**NE**	**20**	**60**	**100**	**100**	**1**	**30**	**30**	**30**	**30**	**600**	**1000**	**NE**	**10**	**NE**	**NE**	**1**	**NE**	**NE**	**NE**	**NE**	**NE**
SVE-1A	5/25/2004	**90**	47	25	95	< 100	**380**	< 10	**10**	120	< 30	420	< 10	40	80	--	**< 10**	23	**< 40**	**< 40**	23	--	--	--	--	--	--	--	--	--	--	--	--
	11/10/2004	**91**	99	32	190	< 50	**680**	< 5.0	**19**	310	< 15	1500	< 5.0	41	**140**	--	**< 5.0**	26	< 20	21	**47**	--	--	--	--	--	--	--	--	--	--	--	--
	4/12/2005	**85**	36	29	79	< 100	**150**	< 10	**< 10**	85	< 30	550	< 10	< 10	35	--	**< 10**	28	**< 40**	**< 40**	28	--	--	--	--	--	--	--	--	--	--	--	--
	12/2/2005	**170**	37	60	110	< 100	**150**	< 10	**< 10**	76	< 30	180	< 10	12	48	--	**< 10**	**39**	**< 40**	**51**	**90**	--	--	--	--	--	--	--	--	--	--	--	--
	5/11/2006	**110**	23	41	89	< 50	**150**	8.1	< 5	74	< 15	260	< 5	< 5	37	--	**< 5**	**33**	< 20	< 20	**33**	--	--	--	--	--	--	--	--	--	--	--	--
	12/14/2006	**160**	31	65	120	< 100	**230**	< 10	**< 10**	95	< 30	200	< 10	15	60	--	**< 10**	**37**	**< 40**	**< 40**	**37**	--	--	--	--	--	--	--	--	--	--	--	--
	6/21/2007	**72**	12	28	56	< 10	**240**	1.4	**9.2**	59	< 3	58	7.9	21	42	--	**1.1**	21	6.8	8.5	**36**	--	--	--	--	--	--	--	--	--	--	--	--
	12/7/2007	**73**	8.8	25	39	< 50	**96**	< 5	< 5	37	< 15	< 50	< 5	6.2	24	--	**< 5**	19	< 20	< 20	19	--	--	--	--	--	--	--	--	--	--	--	--
	6/2/2008	**140**	22	59	81	< 50	**180**	< 5	**7.7**	61	< 15	69	15	16	41	--	**< 5**	**44**	< 20	< 20	**44**	--	--	--	--	--	--	--	--	--	--	--	--
	12/11/2008	**71**	7.5	29	35	< 10	**150**	3.7	**5.2**	42	< 3	27	6.5	12	22	--	< 1	21	8	12	**41**	--	--	--	--	--	--	--	--	--	--	--	--
	4/28/2009	**69**	5.7	31	31	< 10	**38**	< 1	< 1	19	< 3	15	1.1	< 1	11	--	< 1	21	8.2	12	**41**	--	--	--	--	--	--	--	--	--	--	--	--
	6/13/2010	**62**	< 10	31	20	< 10	**55**	< 10	**< 10**	27	< 30	< 100	< 10	< 10	16	--	**< 10**	< 20	**< 40**	**< 40**	**< 100**	--	--	--	--	--	--	--	--	--	--	--	--
	11/9/2011	**52**	18	23	54	< 100	**410**	< 10	**13**	190	< 30	< 100	14	28	40	--	**< 10**	< 20	**< 40**	**< 40**	**< 100**	--	--	--	--	--	--	--	--	--	--	--	--
	6/27/2012	**46**	34	26	89	< 100	**440**	< 10	**14**	310	< 30	160	< 10	< 10	34	--	**< 10**	< 20	**< 40**	**< 40**	**< 100**	--	--	--	--	--	--	--	--	--	--	--	--
	6/20/2013	**50**	49	21	72	< 100	**580**	< 10	**19**	670	< 30	< 100	< 10	13	42	--	**< 10**	< 20	**< 40**	**< 40**	**< 100**	--	--	--	--	--	--	--	--	--	--	--	--
	6/25/2014	**57.7**	49.9 J	20.3 J	70.1 J	< 82.0	**569**	**< 13.0**	**17.8 J**	792	34.7 J	< 32.0	< 14.0	< 15.5	38.8 J	< 14.5	**< 14.0**	< 0.0708	< 0.107	< 0.0834	< 0.261	6.87	--	--	--	--	--	--	--	--	--	--	--
	4/15/2015	**43**	30	17	44	< 8.6	**530**	< 1.0	**13**	850	< 2.5	< 1.0	< 1.0	< 1.0	18		**< 3**	< 15	< 15	< 15	**< 45**	--	--	--	--	--	--	--	--	--	--	--	--
	4/13/2016	**48**	17	14	32	< 50	**380**	< 5.0	**8.2**	580	< 15	< 50	< 5.0	6.7	16	< 5.0	**< 5.0**	< 10	< 10	< 10	< 30	< 2.5	--	61	< 0.50	< 2.5	< 5.0	**2.9**	**--**	16	4.58	0.0197	< 0.0130
	4/27/2017	**50**	7.5	16	17	<50	**240**	< 5.0	**6.2**	220	< 15	< 50	6.0	< 5.0	14	< 5.0	**< 5.0**	14	< 20	< 20	14	--	--	--	--	--	--	--	**--**	**--**	--	--	--
SVE-1	4/16/2015	**17**	< 1.0	350	34	< 39	< 1.0	< 1.0	< 1.1	< 1.0	< 2.5	< 1.0	< 1.0	< 1.0	< 1.0	--	< 1.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	4/15/2016	**11**	< 1.0	150	18	< 10	< 1.0	< 1.0	< 1.0	< 1.0	< 3.0	< 10	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	3.5	< 4.0	4.1	7.6	9.8	--	--	< 1.0	< 0.50	< 2.0	**3.0**	**--**	22	--	--	--
	5/2/2017	**19**	< 1.0	350	28	< 10	< 1.0	< 1.0	--	--	< 3.0	< 10	--	< 1.0	--	< 5.0	**< 5.0**	< 10	<20	<20	< 30	--	--	--	--	--	--	--	**--**	**--**	--	--	--
SVE-2	7/28/2012	**540**	< 10	82	< 20	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	6/21/2013	**770**	< 20	110	< 40	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	6/21/2013 (DUP)	**790**	< 20	110	< 40	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	6/25/2014	**523**	< 10.5	56.2	< 40	< 82.0	< 16.5	**< 13.0**	**< 17.5**	< 12.5	37.3 J	< 32.0	< 14.0	< 15.5	< 8.00	< 14.5	**< 14.0**	< 0.0708	< 0.107	< 0.0834	< 0.261	150	--	--	--	--	--	--	--	--	--	--	--	--
SVE-5	6/25/2014	Not Sampled Due to Presence of LNAPL																															
	4/15/2016	**1600**	27	100	**640**	< 100	< 10	< 10	**< 10**	< 10	< 30	< 100	< 10	< 10	< 10	< 10	**< 10**	**30**	**< 40**	**< 40**	**30**	< 2.5	--	--	< 1.0	< 2.5	5.6	**29**	**--**	37	--	--	--
	4/25/2017	**1400**	< 10	140	**810**	< 100	< 10	< 10	**< 10**	< 10	< 30	< 100	< 10	< 10	< 10	< 10	**< 10**	**40**	**< 40**	**< 40**	**40**	< 2.5	--	--	--	--	--	**2.3**	**--**	30	5.0	--	--
	10/9/2017	**700**	8.8	67	270	72.0	--	--	**--**	--	< 30	< 100	--	< 10	--	< 10	**< 10**	**33**	< 20	< 20	**33**	**5700**	--	--	--	--	--	0.18	96.5	22	2.08	<0.0130	<0.0130
	2/1/2018	**780**	20	130	550	98.0	< 5.0	<5.0	< 5.0	< 5.0	< 15	< 50	< 5.0	< 5.0	< 5.0	< 5.0	**< 5.0**	**58**	**39**	**56**	**153**	250	--	--	--	--	--	--	--	--	--	--	--
SVE-6	6/26/2012	< 1.0	< 1.0	< 1.0	< 2.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	4/16/2015	< 1.0	< 1.0	< 1.0	< 3.0	< 8.6	< 1.0	< 1.0	< 1.1	< 1.0	< 2.5	< 1.0	< 1.0	< 1.0	< 1.0	--	< 1.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	4/15/2016	< 1.0	< 1.0	< 1.0	<1.5	< 10	< 1.0	< 1.0	< 1.0	< 1.0	< 3.0	< 10	< 1.0	< 1.0	< 1.0	26	< 1.0	< 10	< 10	< 10	< 30	360	--	--	2	< 0.50	< 5.0	0.031	--	19	--	--	--
SVE-7	4/15/2016	**28**	< 1.0	< 1.0	<1.5	< 10	< 1.0	< 1.0	< 1.0	< 1.0	< 3.0	< 10	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 10	< 10	< 10	< 30	580	--	--	2.6	< 0.50	< 1.0	< 0.020	--	3.7	--	--	--
	4/25/2017	**15**	< 1.0	< 1.0	<1.5	< 10	< 1.0	< 1.0	< 1.0	< 1.0	< 3.0	< 10	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 2.0	< 4.0	< 4.0	< 10	**680**	--	--	--	--	--	--	--	--	--	--	--
SVE-8	6/26/2012	< 1.0	< 1.0	< 1.0	< 2.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	4/15/2016	< 1.0	< 1.0	< 1.0	<1.5	23	< 1.0	< 1.0	< 1.0	< 1.0	< 3.0	< 10	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 10	< 10	< 10	< 30	**950**	--	--	13	< 0.50	< 1.0	0.066	--	1.5	--	--	--
	4/25/2017	< 1.0	< 1.0	< 1.0	<1.5	< 10	< 1.0	< 1.0	< 1.0	< 1.0	< 3.0	< 10	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 2.0	< 4.0	< 4.0	< 10	**990**	--	--	--	--	--	< 0.020	--	< 0.050	0.18	--	--
	10/9/2017	< 1.0	< 1.0	< 1.0	< 1.0	< 10	< 1.0	--	--	--	--	< 10	< 1.0	--	--	< 1.0	< 1.0	< 2.0	< 4.0	< 4.0	< 10	**1,200**	--	--	--	--	--	< 0.020	<0.05	0.56	0.539	<0.0130	<0.0130

Table 2

Summary of Groundwater Analytical Results
WT-1 Compressor Station
Lea County, New Mexico

Well ID	Sampling Date	BTEX (ug/L)				Other VOCs (ug/L)												SVOCs (ug/L)				Inorganics (mg/L)									Gases (mg/L)		
		Benzene	Toluene	Ethylbenzene	Xylenes (total)	Acetone	1,1-Dichloroethane (1,1-DCA)	1,2-Dichloroethane (EDC)	1,1-Dichloroethylene (1,1-DCE)	cis-1,2-Dichloroethylene	Methylene chloride	4-methyl-2-pentanone	Tetrachloroethylene (PCE)	1,1,1-Trichloroethane	Trichloroethylene (TCE)	Chloroform	Vinyl chloride	Naphthalene*	1-Methylnaphthalene	2-Methylnaphthalene	Total Naphthalenes	Sulfates	TDS	Total Organic Carbon	Nitrogen, Nitrate (As N)	Phosphourous, Orthophosphate (As P)	Nitrogen, Ammonia	Dissolved Iron	Sulfide	Total Iron	Methane	Ethane	Ethene
New Mexico Water Quality Control Commission Standard		**10**	**750**	**750**	**620**	**NE**	**25**	**10**	**5**	**NE**	**100**	**NE**	**20**	**60**	**100**	**100**	**1**	**30**	**30**	**30**	**30**	**600**	**1000**	**NE**	**10**	**NE**	**NE**	**1**	**NE**	**NE**	**NE**	**NE**	**NE**
SVE-9	6/26/2012	< 1.0	< 1.0	< 1.0	< 2.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	4/15/2016	1.4	< 1.0	< 1.0	<1.5	68	< 1.0	< 1.0	< 1.0	< 1.0	< 3.0	< 10	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 10	< 10	< 10	< 30	250	--	--	< 0.10	< 0.50	< 1.0	0.022	--	6.9	--	--	--
	4/26/2017	**17**	4	< 1.0	12	85	< 1.0	< 1.0	< 1.0	< 1.0	< 3.0	< 10	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 2.0	< 4.0	< 4.0	< 10	--	--	--	--	--	--	--	--	--	--	--	--
SVE-10	6/26/2012	**1,200**	< 20	100	390	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	6/21/2013	**1,700**	< 20	230	**1,100**	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	6/25/2014	**1,800**	< 10.5	85.3	594	< 82.0	< 16.5	**42.4 J**	**< 17.5**	< 12.5	42.6 J	< 32.0	< 14.0	< 15.5	< 8.00	< 14.5	**< 14.0**	< 0.0708	< 0.107	< 0.0834	< 0.261	6.65	--	--	--	--	--	--	--	--	--	--	--	--
	6/25/2014	**2,000**	< 10.5	91.7	**636**	< 82.0	< 16.5	**49.6 J**	**< 17.5**	< 12.5	24.2 J	< 32.0	< 14.0	< 15.5	< 8.00	< 14.5	**< 14.0**	< 0.0708	< 0.107	< 0.0834	< 0.261	< 0.655	--	--	--	--	--	--	--	--	--	--	--	--
	4/16/2015	**1,400**	< 1.0	100	470	70	< 1.0	< 1.0	< 1.1	< 1.0	< 2.5	< 1.0	< 1.0	< 1.0	< 1.0	--	< 1.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	4/15/2016	**1,400**	< 10	92	300	120	< 10	< 10	**< 10**	< 10	< 30	< 100	< 10	< 10	< 10	< 10	**< 10**	< 20	**< 40**	**< 40**	**< 100**	< 2.5	--	--	< 1.0	< 2.5	< 2.0	**10**	--	10	--	--	--
	4/15/2016 (DUP)	**1,500**	< 10	98	310	< 100	< 10	< 10	**< 10**	< 10	< 30	< 100	< 10	< 10	< 10	< 10	**< 10**	< 20	**< 40**	**< 40**	**< 100**	--	--	--	--	--	--	--	--	--	--	--	--
	5/2/2017	**1,300**	< 10	94	360	42	< 10	< 10	**--**	--	--	< 100	--	< 10	--	< 10	**< 10**	14.0	13.0	15.0	42	--	--	--	--	--	--	--	--	--	--	--	--
SVE-11	6/25/2014	Not Sampled Due to Presence of LNAPL																															
SVE-12	6/25/2014	Not Sampled Due to Presence of LNAPL																															
	4/15/2016	< 1.0	< 1.0	< 1.0	<1.5	< 10	< 1.0	< 1.0	< 1.0	< 1.0	< 3.0	< 10	< 1.0	< 1.0	< 1.0	14	< 1.0	< 10	< 10	< 10	< 30	**760**	--	--	8.1	< 0.50	< 2.0	< 0.020	--	5.6	--	--	--
	4/25/2017	**430**	1.1	60	13	< 10	< 1.0	< 1.0	< 1.0	< 1.0	< 3.0	< 10	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 2.0	7.0	< 4.0	7.0	**--**	--	--	--	--	--	--	--	--	--	--	--
SVE-13	5/24/2004	**620**	21	73	230	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	11/9/2004	**920**	< 20	150	260	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	4/11/2005	**800**	4.8	120	160	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	12/1/2005	**590**	9.5	110	150	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	5/11/2006	**640**	< 10	120	67	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	12/14/2006	**540**	12	110	72	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	6/21/2007	**710**	< 10	160	76	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	12/7/2007	**580**	7.5	160	79	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	5/30/2008	**280**	2.8	33	75	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	12/11/2008	**510**	< 10	97	30	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	4/27/2009	**610**	< 10	110	31	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	6/11/2010	**630**	< 10	100	36	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	11/10/2011	**510**	< 20	92	63	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	6/26/2012	**930**	< 20	140	170	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	6/21/2013	**720**	< 20	83	45	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	6/25/2014	Not Sampled Due to Presence of LNAPL																															
	4/15/2016	**430**	< 5.0	37	13	< 50	<5.0	< 5.0	< 5.0	< 5.0	< 15	< 50	< 5.0	< 5.0	< 5.0	< 5.0	**< 5.0**	< 10	< 20	< 20	**< 50**	400	--	--	< 1.0	< 2.5	< 2.0	0.077	--	0.34	--	--	--
	4/25/2017	**3,300**	< 2.0	290	**630**	< 20	< 2.0	< 2.0	< 2.0	< 2.0	< 6.0	< 20	< 2.0	< 2.0	< 2.0	< 2.0	**< 2.0**	**54**	25	**36**	**115**	--	--	--	--	--	--	--	--	--	--	--	--	--
	2/1/018	**450**	< 10	80	< 15	< 100	< 10	< 10	**< 10**	< 10	< 30	< 100	< 10	< 10	< 10	< 10	**< 10**	< 20	**< 40**	**< 40**	**< 100**	**700**	--	--	--	--	--	--	--	--	--	--	--	--
SVE-14	5/24/2004	**260**	340	260	**1,800**	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	11/10/2011	**650**	86	**760**	**5,700**	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	6/26/2012	**950**	< 20	360	**2,400**	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	6/21/2013	**990**	49	390	**2,500**	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	6/25/2014	Not Sampled Due to Presence of LNAPL																															
	4/15/5016	**37**	< 10	34	160	< 100	< 10	< 10	**< 10**	< 10	< 30	< 100	< 10	< 10	< 10	< 10	**< 10**	< 20	**< 40**	**< 40**	**< 100**	91	--	--	< 1.0	< 2.5	< 1.0	0.32	--	1.9	--	--	--
	4/25/2017	**210**	1.3	73	260	< 10	< 1.0	< 1.0	< 1.0	< 1.0	< 3.0	< 10	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	7.1	6.5	4.2	17.8	50	--	--	--	--	--	--	--	--	--	--	--	--
	2/1/2018	**83**	< 1.0	39	110	< 10	< 1.0	< 1.0	< 1.0	< 1.0	< 3.0	< 10	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	5.3	9.1	4.3	18.7	160	--	--	--	--	--	--	--	--	--	--	--	--

Table 2

Summary of Groundwater Analytical Results
WT-1 Compressor Station
Lea County, New Mexico

Well ID	Sampling Date	BTEX (ug/L)				Other VOCs (ug/L)												SVOCs (ug/L)				Inorganics (mg/L)									Gases (mg/L)		
		Benzene	Toluene	Ethylbenzene	Xylenes (total)	Acetone	1,1-Dichloroethane (1,1-DCA)	1,2-Dichloroethane (EDC)	1,1-Dichloroethylene (1,1-DCE)	cis-1,2-Dichloroethylene	Methylene chloride	4-methyl-2-pentanone	Tetrachloroethylene (PCE)	1,1,1-Trichloroethane	Trichloroethylene (TCE)	Chloroform	Vinyl chloride	Naphthalene*	1-Methylnaphthalene	2-Methylnaphthalene	Total Naphthalenes	Sulfates	TDS	Total Organic Carbon	Nitrogen, Nitrate (As N)	Phosphourous, Orthophosphate (As P)	Nitrogen, Ammonia	Dissolved Iron	Sulfide	Total Iron	Methane	Ethane	Ethene
New Mexico Water Quality Control Commission Standard		**10**	**750**	**750**	**620**	**NE**	**25**	**10**	**5**	**NE**	**100**	**NE**	**20**	**60**	**100**	**100**	**1**	**30**	**30**	**30**	**30**	**600**	**1000**	**NE**	**10**	**NE**	**NE**	**1**	**NE**	**NE**	**NE**	**NE**	**NE**
MW-1	5/25/2004	**25**	63	14	120	63	**640**	7.1	**21**	8.5	**190**	2200	**32**	**170**	38	--	**< 5**	21	< 20	< 20	21	--	--	--	--	--	--	--	--	--	--	--	--
	11/9/2004	**23**	53	16	160	< 100	**410**	< 10	**< 10**	< 10	< 30	2800	11	39	42	--	**< 10**	23	**< 40**	**< 40**	23	--	--	--	--	--	--	--	--	--	--	--	--
	4/12/2005	**26**	60	18	150	110	**250**	6.4	< 5	8.9	17	2400	13	22	37	--	**< 5**	**30**	< 20	< 20	**30**	--	--	--	--	--	--	--	--	--	--	--	--
	12/2/2005	**37**	94	23	190	140	**440**	< 5	**12**	9.9	**100**	1900	**32**	**89**	54	--	**13**	**31**	< 20	**32**	**63**	--	--	--	--	--	--	--	--	--	--	--	--
	5/11/2006	**26**	61	17	120	120	**280**	6.7	**5.4**	6.4	< 15	1700	19	15	30	--	**< 5**	27	< 20	< 20	27	--	--	--	--	--	--	--	--	--	--	--	--
	12/17/2006	**48**	130	32	210	< 100	**380**	< 10	**< 10**	12	< 30	2400	**20**	18	58	--	**< 10**	**32**	**< 40**	**< 40**	**32**	--	--	--	--	--	--	--	--	--	--	--	--
	6/21/2007	**25**	66	16	92	290	**350**	3.1	4.9	5.6	9.0	1400	**42**	31	41	--	**1.6**	22	6.9	9.6	**39**	--	--	--	--	--	--	--	--	--	--	--	--
	12/7/2007	**20**	62	11	79	1000	**600**	< 10	**< 10**	< 10	< 30	1200	**46**	38	58	--	**< 10**	< 20	**< 40**	**< 40**	**< 100**	--	--	--	--	--	--	--	--	--	--	--	--
	6/2/2008	**29**	80	15	100	500	**760**	< 10	**14**	< 10	< 30	1900	**76**	**94**	66	--	**< 10**	22	**< 40**	**< 40**	22	--	--	--	--	--	--	--	--	--	--	--	--
	6/20/2013	Not sampled due to presense of LNAPL																															
	6/25/2014	Not sampled due to presense of LNAPL																															
MW-4	5/25/2004	< 1.0	< 1.0	< 1.0	< 1.0	< 10	< 1.0	< 1.0	1.6	< 1.0	< 3.0	< 10	< 1.0	< 1.0	< 1.0	--	< 1.0	< 2.0	< 4.0	< 4.0	< 10	--	--	--	--	--	--	--	--	--	--	--	--
	11/9/2004	< 1.0	< 1.0	< 1.0	< 1.0	< 10	< 1.0	< 1.0	< 1.0	< 1.0	< 3.0	< 10	< 1.0	< 1.0	< 1.0	--	< 1.0	< 2.0	< 4.0	< 4.0	< 10	--	--	--	--	--	--	--	--	--	--	--	--
	4/12/2005	< 1.0	< 1.0	< 1.0	< 1.0	< 10	1.4	< 1.0	1.3	< 1.0	< 3.0	< 10	< 1.0	< 1.0	< 1.0	--	< 1.0	< 2.0	< 4.0	< 4.0	< 10	--	--	--	--	--	--	--	--	--	--	--	--
	12/2/2005	< 1.0	< 1.0	< 1.0	< 1.0	< 10	< 2.0	< 1.0	< 1.0	< 1.0	< 3.0	< 10	< 1.0	< 1.0	< 1.0	--	< 1.0	< 2.0	< 4.0	< 4.0	< 10	--	--	--	--	--	--	--	--	--	--	--	--
	5/11/2006	< 1.0	< 1.0	< 1.0	< 3.0	< 10	< 2.0	< 1.0	1.1	< 1.0	< 3.0	< 10	< 1.0	< 1.0	< 1.0	--	< 1.0	< 2.0	< 4.0	< 4.0	< 10	--	--	--	--	--	--	--	--	--	--	--	--
	12/17/2006	< 1.0	< 1.0	< 1.0	< 3.0	< 10	< 2.0	< 1.0	< 1.0	< 1.0	< 3.0	< 10	< 1.0	< 1.0	< 1.0	--	< 1.0	< 2.0	< 4.0	< 4.0	< 10	--	--	--	--	--	--	--	--	--	--	--	--
	6/21/2007	< 1.0	< 1.0	< 1.0	< 1.5	< 10	< 2.0	< 1.0	< 1.0	< 1.0	< 3.0	< 10	< 1.0	< 1.0	< 1.0	--	< 1.0	< 2.0	< 4.0	< 4.0	< 10	--	--	--	--	--	--	--	--	--	--	--	--
	12/7/2007	< 1.0	< 1.0	< 1.0	< 1.5	< 10	< 2.0	< 1.0	< 1.0	< 1.0	< 3.0	< 10	< 1.0	< 1.0	< 1.0	--	< 1.0	< 2.0	< 4.0	< 4.0	< 10	--	--	--	--	--	--	--	--	--	--	--	--
	6/2/2008	< 1.0	< 1.0	< 1.0	< 1.5	< 10	< 1.0	< 1.0	< 1.0	< 1.0	< 3.0	< 10	< 1.0	< 1.0	< 1.0	--	< 1.0	< 2.0	< 4.0	< 4.0	< 10	--	--	--	--	--	--	--	--	--	--	--	--
	12/11/2008	< 1.0	< 1.0	< 1.0	< 1.5	< 10	< 1.0	< 1.0	< 1.0	< 1.0	< 3.0	< 10	< 1.0	< 1.0	< 1.0	--	< 1.0	< 2.0	< 4.0	< 4.0	< 10	--	--	--	--	--	--	--	--	--	--	--	--
	4/28/2009	< 1.0	< 1.0	< 1.0	< 1.5	< 10	< 1.0	< 1.0	< 1.0	< 1.0	< 3.0	< 10	< 1.0	< 1.0	< 1.0	--	< 1.0	< 2.0	< 4.0	< 4.0	< 10	--	--	--	--	--	--	--	--	--	--	--	--
	6/13/2010	< 1.0	< 1.0	< 1.0	< 1.5	< 10	< 1.0	< 1.0	< 1.0	< 1.0	< 3.0	< 10	< 1.0	< 1.0	< 1.0	--	< 1.0	< 2.0	< 4.0	< 4.0	< 10	--	--	--	--	--	--	--	--	--	--	--	--
	11/10/2011	< 1.0	< 1.0	< 1.0	< 1.5	< 10	< 1.0	< 1.0	< 1.0	< 1.0	< 3.0	< 10	< 1.0	< 1.0	< 1.0	--	< 1.0	< 2.0	< 4.0	< 4.0	< 10	--	--	--	--	--	--	--	--	--	--	--	--
	6/26/2012	< 1.0	< 1.0	< 1.0	< 1.5	< 10	< 1.0	< 1.0	< 1.0	< 1.0	< 3.0	< 10	< 1.0	< 1.0	< 1.0	--	< 1.0	< 2.0	< 4.0	< 4.0	< 10	--	--	--	--	--	--	--	--	--	--	--	--
	6/20/2013	< 1.0	< 1.0	< 1.0	< 1.5	< 10	< 1.0	< 1.0	< 1.0	< 1.0	< 3.0	< 10	< 1.0	< 1.0	< 1.0	--	< 1.0	< 2.0	< 4.0	< 4.0	< 10	--	--	--	--	--	--	--	--	--	--	--	--
	6/25/2014	< 0.150	0.33 J	< 0.230	< 0.8	< 1.64	< 0.330	< 0.260	< 0.350	< 0.250	< 0.460	< 0.640	< 0.280	< 0.310	< 0.160	0.490 J	< 0.280	< 0.0708	< 0.107	< 0.0834	< 0.261	**652**	--	--	--	--	--	--	--	--	--	--	--	--
	4/15/2015	< 1.0	< 1.0	< 1.0	< 3.0	< 8.6	< 1.0	< 1.0	< 1.1	< 1.0	< 2.5	< 1.0	< 1.0	< 1.0	< 1.0	--	< 1.0	--	--	--	--	--	2040	--	--	--	--	--	--	--	--	--	--	--
	4/13/2016	< 1.0	< 1.0	< 1.0	< 1.5	< 10	< 1.0	< 1.0	< 1.0	< 1.0	< 3.0	< 10	< 1.0	< 1.0	< 1.0	--	< 1.0	< 10	< 10	< 10	< 30	**740**	--	6.6	16	< 0.50	< 1.0	< 0.020	--	0.61	< 0.0100	< 0.0130	< 0.0130
	4/27/2017	< 1.0	< 1.0	< 1.0	< 1.5	< 10	< 1.0	< 1.0	< 1.0	< 1.0	< 3.0	< 10	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 2.0	< 4.0	< 4.0	< 10	**--**	--	--	--	--	--	--	--	--	--	--	--

Table 2

Summary of Groundwater Analytical Results
WT-1 Compressor Station
Lea County, New Mexico

Well ID	Sampling Date	BTEX (ug/L)				Other VOCs (ug/L)												SVOCs (ug/L)				Inorganics (mg/L)									Gases (mg/L)		
		Benzene	Toluene	Ethylbenzene	Xylenes (total)	Acetone	1,1-Dichloroethane (1,1-DCA)	1,2-Dichloroethane (EDC)	1,1-Dichloroethylene (1,1-DCE)	cis-1,2-Dichloroethylene	Methylene chloride	4-methyl-2-pentanone	Tetrachloroethylene (PCE)	1,1,1-Trichloroethane	Trichloroethylene (TCE)	Chloroform	Vinyl chloride	Naphthalene*	1-Methylnaphthalene	2-Methylnaphthalene	Total Naphthalenes	Sulfates	TDS	Total Organic Carbon	Nitrogen, Nitrate (As N)	Phosphourous, Orthophosphate (As P)	Nitrogen, Ammonia	Dissolved Iron	Sulfide	Total Iron	Methane	Ethane	Ethene
New Mexico Water Quality Control Commission Standard		**10**	**750**	**750**	**620**	**NE**	**25**	**10**	**5**	**NE**	**100**	**NE**	**20**	**60**	**100**	**100**	**1**	**30**	**30**	**30**	**30**	**600**	**1000**	**NE**	**10**	**NE**	**NE**	**1**	**NE**	**NE**	**NE**	**NE**	**NE**
MW-5	5/25/2004	**22**	7.5	5.1	13	< 50	**150**	< 5.0	< 5.0	120	< 15	< 50	< 5.0	< 5.0	**130**	--	**< 5.0**	< 10	< 20	< 20	**< 50**	--	--	--	--	--	--	--	--	--	--	--	--	--
	11/9/2004	**19**	8.3	< 5.0	< 5.0	< 50	**160**	< 5.0	< 5.0	150	< 15	< 50	< 5.0	< 5.0	**130**	--	**< 5.0**	< 10	< 20	< 20	**< 50**	--	--	--	--	--	--	--	--	--	--	--	--	--
	4/12/2005	**23**	7.3	< 5.0	15	< 50	**98**	< 5.0	**5.8**	82	< 15	< 50	< 5.0	< 5.0	94	--	**< 5.0**	11	< 20	< 20	11	--	--	--	--	--	--	--	--	--	--	--	--	--
	12/2/2005	**21**	7.7	6.4	16	17	**71**	1.7	3.3	61	< 3	< 10	2.4	2.0	66	--	**2.2**	9.8	< 4.0	< 4.0	9.8	--	--	--	--	--	--	--	--	--	--	--	--	--
	5/11/2006	**14**	4.1	4.5	10	< 10	**95**	3	2.1	39	< 3	< 10	1.6	< 1.0	47	--	< 1.0	8.5	< 4.0	< 4.0	8.5	--	--	--	--	--	--	--	--	--	--	--	--	--
	12/17/2006	**47**	16	17	42	< 50	**210**	8.7	**5.8**	120	< 15	< 50	< 5.0	< 5.0	**150**	--	**< 5.0**	24	< 20	< 20	24	--	--	--	--	--	--	--	--	--	--	--	--	--
	6/21/2007	**15**	5.7	5.6	12	< 10	**73**	1.3	2.6	36	< 1	< 10	1.8	1.1	43	--	< 1.0	9.7	< 4.0	< 4.0	9.7	--	--	--	--	--	--	--	--	--	--	--	--	--
	12/7/2007	**15**	4.7	4.3	11	< 10	**71**	2.9	2.1	30	< 1	< 10	2.6	1.5	38	--	< 1.0	8.7	< 4.0	< 4.0	8.7	--	--	--	--	--	--	--	--	--	--	--	--	--
	6/2/2008	**14**	3.6	4.2	7.5	< 10	**72**	1.1	2.0	31	< 3	< 10	< 1.0	< 1.0	39	--	< 1.0	9	< 4.0	< 4.0	9	--	--	--	--	--	--	--	--	--	--	--	--	--
	12/11/2008	**20**	6.3	4.1	16	< 10	**95**	1.5	2.5	31	< 3	< 10	2.6	< 1.0	38	--	< 1.0	15	< 4.0	5.9	21	--	--	--	--	--	--	--	--	--	--	--	--	--
	4/28/2009	**16**	3.8	5.5	12	< 10	**77**	1.2	1.6	26	< 3	< 10	1.6	< 1.0	32	--	< 1.0	9.1	< 4.0	< 4.0	9.1	--	--	--	--	--	--	--	--	--	--	--	--	--
	6/13/2010	**17**	5.0 J	6.3 J	< 15	41 J	**71**	< 10	**< 10**	42	< 30	< 10	< 10	< 10	32	--	**3.7 J**	< 20	**< 40**	**< 40**	**< 100**	--	--	--	--	--	--	--	--	--	--	--	--	--
	11/10/2011	**16**	< 10	< 10	< 15	< 100	**61**	< 10	**< 10**	48	< 30	< 100	< 10	< 10	24	--	**< 10**	< 20	**< 40**	**< 40**	**< 100**	--	--	--	--	--	--	--	--	--	--	--	--	--
	6/27/2012	**14**	< 5	5.6	8.2	< 50	**72**	< 5	< 5	43	< 15	< 50	< 5	< 5	27	--	**< 5**	< 10	< 20	< 20	**< 50**	--	--	--	--	--	--	--	--	--	--	--	--	--
	6/20/2013	**12**	2.2	3.1	5.9	< 10	**95**	< 1	1.7	31	< 3	< 10	1.2	< 1	29	--	< 1	6.6	< 4.0	< 4.0	6.6	--	--	--	--	--	--	--	--	--	--	--	--	--
	6/25/2014	**15.6 J**	< 4.20	< 4.60	< 16.0	< 32.8	**94.4**	< 5.20	**< 7.00**	27.2	11.4 J	< 12.8	< 5.60	< 6.20	25.4	< 5.80	**< 5.60**	< 0.0708	< 0.107	< 0.0834	< 0.261	13.6	--	--	--	--	--	--	--	--	--	--	--	--
	6/25/2014 (DUP)	**16.2**	2.90 J	4.32 J	4.00 J	< 16.4	**93.1**	< 2.60	< 3.50	24.5	5.74 J	< 6.40	< 2.80	< 3.10	20.2	< 2.90	**< 2.80**	< 0.0708	< 0.107	< 0.0834	< 0.261	13	--	--	--	--	--	--	--	--	--	--	--	--	--
	4/15/2015	**15**	< 1.0	6.5	13.0	< 27	**98**	< 1.0	< 1.1	26.0	< 2.5	< 1.0	< 1.0	< 1.0	26	--	< 1.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	4/13/2016	**12**	1.8	4.0	7.4	< 30	**90**	< 1.0	1.1	24.0	< 3.0	< 10	< 1.0	< 1.0	19	< 1.0	< 1.0	8.1	< 4.0	< 4.0	8.1	< 2.5	--	81	< 0.50	< 2.5	< 5.0	**1.4**	**--**	15	0.667	< 0.0130	< 0.0130
	4/26/2017	9.1	1.6	3.8	6.1	< 13	**87**	< 1.0	1.3	26.0	< 3.0	< 10	< 1.0	< 1.0	21	< 1.0	< 1.0	6.0	< 4.0	< 4.0	6.0	--	--	--	--	--	--	**--**	**--**	--	--	--	--	--
MW-6	5/25/2004	< 1.0	< 1.0	< 1.0	< 1.0	< 10	6.9	< 1.0	1.1	5.2	< 3.0	< 10	< 1.0	< 1.0	12	--	< 1.0	< 2.0	< 4.0	< 4.0	< 10	--	--	--	--	--	--	--	--	--	--	--	--	--
	11/9/2004	< 1.0	< 1.0	< 1.0	< 1.0	< 10	5.5	< 1.0	< 1.0	4.6	< 3.0	< 10	< 1.0	< 1.0	10	--	< 1.0	< 2.0	< 4.0	< 4.0	< 10	--	--	--	--	--	--	--	--	--	--	--	--	--
	4/12/2005	1.1	< 1.0	< 1.0	< 1.0	< 10	6.7	< 1.0	1.3	5.1	< 3.0	< 10	< 1.0	< 1.0	10	--	< 1.0	< 2.0	< 4.0	< 4.0	< 10	--	--	--	--	--	--	--	--	--	--	--	--	--
	12/2/2005	< 1.0	< 1.0	< 1.0	< 1.0	< 10	5.3	< 1.0	< 1.0	4.2	< 3.0	< 10	< 1.0	< 1.0	10	--	< 1.0	< 2.0	< 4.0	< 4.0	< 10	--	--	--	--	--	--	--	--	--	--	--	--	--
	5/11/2006	1.1	< 1.0	< 1.0	< 3.0	< 10	6.4	< 1.0	1.2	4.6	< 1.0	< 10	< 1.0	< 1.0	9.9	--	< 1.0	< 2.0	< 4.0	< 4.0	< 10	--	--	--	--	--	--	--	--	--	--	--	--	--
	12/17/2006	< 1.0	< 1.0	< 1.0	< 3.0	< 10	6.5	< 1.0	< 1.0	4.1	< 1.0	< 10	< 1.0	< 1.0	11	--	< 1.0	< 2.0	< 4.0	< 4.0	< 10	--	--	--	--	--	--	--	--	--	--	--	--	--
	6/21/2007	< 1.0	< 1.0	< 1.0	< 1.5	< 10	4.7	< 1.0	< 1.0	3.5	< 3.0	< 10	< 1.0	< 1.0	9.1	--	< 1.0	< 2.0	< 4.0	< 4.0	< 10	--	--	--	--	--	--	--	--	--	--	--	--	--
	12/7/2007	< 1.0	< 1.0	< 1.0	< 1.5	< 10	4.1	< 1.0	< 1.0	3.1	< 3.0	< 10	< 1.0	< 1.0	9.1	--	< 1.0	< 2.0	< 4.0	< 4.0	< 10	--	--	--	--	--	--	--	--	--	--	--	--	--
	6/2/2008	< 1.0	< 1.0	< 1.0	< 1.5	< 10	5.3	< 1.0	< 1.0	3.5	< 3.0	< 10	< 1.0	< 1.0	9.2	--	< 1.0	< 2.0	< 4.0	< 4.0	< 10	--	--	--	--	--	--	--	--	--	--	--	--	--
	12/11/2008	< 1.0	< 1.0	< 1.0	< 1.5	< 10	3.6	< 1.0	< 1.0	3.2	< 3.0	< 10	< 1.0	< 1.0	8.5	--	< 1.0	< 2.0	< 4.0	< 4.0	< 10	--	--	--	--	--	--	--	--	--	--	--	--	--
	4/28/2009	< 1.0	< 1.0	< 1.0	< 1.5	< 10	4.3	< 1.0	< 1.0	3.0	< 3.0	< 10	< 1.0	< 1.0	7.6	--	< 1.0	< 2.0	< 4.0	< 4.0	< 10	--	--	--	--	--	--	--	--	--	--	--	--	--
	6/13/2010	< 1.0	< 1.0	< 1.0	< 1.5	< 10	3.6	< 1.0	< 1.0	2.7	< 3.0	< 10	< 1.0	< 1.0	6.2	--	< 1.0	< 2.0	< 4.0	< 4.0	< 10	--	--	--	--	--	--	--	--	--	--	--	--	--
	11/9/2011	< 1.0	< 1.0	< 1.0	< 1.5	< 10	3.2	< 1.0	< 1.0	2.3	< 3.0	< 10	< 1.0	< 1.0	4.8	--	< 1.0	< 2.0	< 4.0	< 4.0	< 10	--	--	--	--	--	--	--	--	--	--	--	--	--
	6/27/2012	< 1.0	< 1.0	< 1.0	< 1.5	< 10	3.4	< 1.0	< 1.0	2.0	< 3.0	< 10	< 1.0	< 1.0	5.1	--	< 1.0	< 2.0	< 4.0	< 4.0	< 10	--	--	--	--	--	--	--	--	--	--	--	--	--
	6/20/2013	< 1.0	< 1.0	< 1.0	< 1.5	< 10	2.8	< 1.0	< 1.0	2.1	< 3.0	< 10	< 1.0	< 1.0	4.6	--	< 1.0	< 2.0	< 4.0	< 4.0	< 10	--	--	--	--	--	--	--	--	--	--	--	--	--
	6/26/2014	0.590 J	< 0.210	< 0.230	< 0.8	< 1.64	3.73	< 0.260	< 0.350	1.91	< 0.460	< 0.640	< 0.280	< 0.310	4.23	< 0.290	< 0.280	< 0.0708	< 0.107	< 0.0834	< 0.261	**606**	--	--	--	--	--	--	--	--	--	--	--	--	--
	4/15/2015	< 1.0	< 1.0	< 1.0	< 13	< 8.6	3.2	< 1.0	< 1.1	1.7	< 2.5	< 1.0	< 1.0	< 1.0	3.5	--	< 1.0	--	--	--	--	**--**	--	--	--	--	--	--	--	--	--	--	--	--	--
	4/14/2016	< 1.0	< 1.0	< 1.0	< 1.5	< 10	3.2	< 1.0	< 1.0	2	< 3.0	< 10	< 1.0	< 1.0	3.6	< 2.0	< 1.0	< 10	< 10	< 10	< 30	**650**	--	8	< 0.10	< 0.50	< 2.0	0.05	--	4.1	0.77	< 0.0010	< 0.0010
	4/27/2017	< 1.0	< 1.0	< 1.0	< 1.5	< 10	3.2	< 1.0	< 1.0	2.1	< 3.0	< 10	< 1.0	< 1.0	3.2	< 1.0	< 1.0	< 2.0	< 4.0	< 4.0	< 10	**--**	--	--	--	--	--	--	--	--	--	--	--	--

Table 2

Summary of Groundwater Analytical Results
WT-1 Compressor Station
Lea County, New Mexico

Well ID	Sampling Date	BTEX (ug/L)				Other VOCs (ug/L)												SVOCs (ug/L)				Inorganics (mg/L)									Gases (mg/L)		
		Benzene	Toluene	Ethylbenzene	Xylenes (total)	Acetone	1,1-Dichloroethane (1,1-DCA)	1,2-Dichloroethane (EDC)	1,1-Dichloroethylene (1,1-DCE)	cis-1,2-Dichloroethylene	Methylene chloride	4-methyl-2-pentanone	Tetrachloroethylene (PCE)	1,1,1-Trichloroethane	Trichloroethylene (TCE)	Chloroform	Vinyl chloride	Naphthalene*	1-Methylnaphthalene	2-Methylnaphthalene	Total Naphthalenes	Sulfates	TDS	Total Organic Carbon	Nitrogen, Nitrate (As N)	Phosphourous, Orthophosphate (As P)	Nitrogen, Ammonia	Dissolved Iron	Sulfide	Total Iron	Methane	Ethane	Ethene
New Mexico Water Quality Control Commission Standard		**10**	**750**	**750**	**620**	**NE**	**25**	**10**	**5**	**NE**	**100**	**NE**	**20**	**60**	**100**	**100**	**1**	**30**	**30**	**30**	**30**	**600**	**1000**	**NE**	**10**	**NE**	**NE**	**1**	**NE**	**NE**	**NE**	**NE**	**NE**
MW-7	5/25/2004	< 1.0	< 1.0	< 1.0	< 1.0	< 10	**29**	< 1.0	1.4	28	< 3.0	< 10	< 1.0	< 1.0	12	--	< 1.0	< 2.0	< 4.0	< 4.0	< 10	--	--	--	--	--	--	--	--	--	--	--	--
	11/10/2004	< 1.0	< 1.0	< 1.0	< 1.0	< 10	**28**	< 1.0	< 1.0	31	< 3.0	< 10	< 1.0	< 1.0	12	--	< 1.0	< 2.0	< 4.0	< 4.0	< 10	--	--	--	--	--	--	--	--	--	--	--	--
	4/12/2005	< 1.0	< 1.0	< 1.0	< 1.0	< 10	**32**	< 1.0	1.9	34	< 3.0	< 10	< 1.0	< 1.0	13	--	< 1.0	< 2.0	< 4.0	< 4.0	< 10	--	--	--	--	--	--	--	--	--	--	--	--
	12/2/2005	< 1.0	< 1.0	< 1.0	< 1.0	< 10	**30**	< 1.0	1.4	33	< 3.0	< 10	< 1.0	< 1.0	12	--	< 1.0	< 2.0	< 4.0	< 4.0	< 10	--	--	--	--	--	--	--	--	--	--	--	--
	5/11/2006	< 1.0	< 1.0	< 1.0	< 3.0	< 10	**30**	< 1.0	1.3	25	< 3.0	< 10	< 1.0	< 1.0	9.8	--	< 1.0	< 2.0	< 4.0	< 4.0	< 10	--	--	--	--	--	--	--	--	--	--	--	--
	12/14/2006	< 1.0	< 1.0	< 1.0	< 3.0	< 10	**38**	< 1.0	1.4	41	< 3.0	< 10	< 1.0	< 1.0	21	--	< 1.0	< 2.0	< 4.0	< 4.0	< 10	--	--	--	--	--	--	--	--	--	--	--	--
	6/21/2007	< 1.0	< 1.0	< 1.0	< 1.5	< 10	**30**	< 1.0	1.4	36	< 1.0	< 10	< 1.0	< 1.0	10	--	< 1.0	< 2.0	< 4.0	< 4.0	< 10	--	--	--	--	--	--	--	--	--	--	--	--
	12/7/2007	< 1.0	< 1.0	< 1.0	< 1.5	< 10	**33**	< 1.0	1.2	36	< 1.0	< 10	< 1.0	< 1.0	9.7	--	< 1.0	< 2.0	< 4.0	< 4.0	< 10	--	--	--	--	--	--	--	--	--	--	--	--
	6/2/2008	< 1.0	< 1.0	< 1.0	< 1.5	< 10	**32**	< 1.0	1.4	33	< 1.0	< 10	< 1.0	< 1.0	8.8	--	< 1.0	< 2.0	< 4.0	< 4.0	< 10	--	--	--	--	--	--	--	--	--	--	--	--
	12/11/2008	< 1.0	< 1.0	< 1.0	< 1.5	< 10	**41**	< 1.0	1.6	48	< 1.0	< 10	< 1.0	< 1.0	10	--	< 1.0	< 2.0	< 4.0	< 4.0	< 10	--	--	--	--	--	--	--	--	--	--	--	--
	4/28/2009	< 1.0	< 1.0	< 1.0	< 1.5	< 10	**32**	< 1.0	1.1	36	< 1.0	< 10	< 1.0	< 1.0	8.2	--	< 1.0	< 2.0	< 4.0	< 4.0	< 10	--	--	--	--	--	--	--	--	--	--	--	--
	6/13/2010	< 1.0	< 1.0	< 1.0	< 1.5	< 10	**29**	< 1.0	1.2	34	< 1.0	< 10	< 1.0	< 1.0	7.3	--	< 1.0	< 2.0	< 4.0	< 4.0	< 10	--	--	--	--	--	--	--	--	--	--	--	--
	11/10/2011	< 1.0	< 1.0	< 1.0	< 1.5	< 10	**37**	< 1.0	1.4	52	< 1.0	< 10	< 1.0	< 1.0	6.6	--	< 1.0	< 2.0	< 4.0	< 4.0	< 10	--	--	--	--	--	--	--	--	--	--	--	--
	6/27/2012	< 1.0	< 1.0	< 1.0	< 1.5	< 10	**42**	< 1.0	1.9	50	< 1.0	< 10	< 1.0	< 1.0	8.6	--	< 1.0	< 2.0	< 4.0	< 4.0	< 10	--	--	--	--	--	--	--	--	--	--	--	--
	6/21/2013	< 1.0	< 1.0	< 1.0	< 1.5	< 10	**53**	< 1.0	1.8	60	< 3.0	< 10	< 1.0	< 1.0	9.2	--	< 1.0	< 2.0	< 4.0	< 4.0	< 10	--	--	--	--	--	--	--	--	--	--	--	--
	6/26/2014	1.04		< 0.230	< 0.8	< 1.64	**59**	0.400 J	1.42	68	< 0.460	< 0.640	< 0.280	< 0.310	7.52	< 0.310 J	**1.01**	< 0.0708	< 0.107	< 0.0834	< 0.261	400	--	--	--	--	--	--	--	--	--	--	--	--
	4/15/2015	< 1.0	< 1.0	< 1.0	< 3.0	< 8.6	**58**	< 1.0	1.8 J	57	< 2.5	< 1.0	< 1.0	< 1.0	9.9	--	< 1.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	4/14/2016	< 1.0	< 1.0	< 1.0	< 1.5	< 10	**37**	< 1.0	<1.0	41	< 3.0	< 10	< 1.0	< 1.0	6.2	< 1.0	< 1.0	< 10	< 10	< 10	< 30	400	--	6.2	2.4	< 0.50	< 1.0	< 0.020	--	1.8	0.18	< 0.0010	< 0.0010
	4/26/2017	< 1.0	< 1.0	< 1.0	< 1.5	< 10	**30**	< 1.0	< 1.0	32	< 3.0	< 10	< 1.0	< 1.0	4.5	< 1.0	< 1.0	< 2.0	< 4.0	< 4.0	< 10	--	--	--	--	--	--	--	--	--	--	--	--
MW-8	5/25/2004	**12**	< 2.0	< 2.0	< 2.0	< 20	**120**	2.1	**5.5**	72	< 6.0	< 20	< 2.0	< 2.0	58	--	**< 2.0**	< 4.0	< 8.0	< 8.0	< 20	--	--	--	--	--	--	--	--	--	--	--	--
	11/9/2004	7.5	< 5.0	< 5.0	< 5.0	< 50	**92**	< 5.0	< 5.0	59	< 15	< 50	< 5.0	< 5.0	54	--	**< 5.0**	< 10	< 20	< 20	**< 50**	--	--	--	--	--	--	--	--	--	--	--	--
	4/12/2005	6.4	< 5.0	< 5.0	< 5.0	< 50	**63**	< 5.0	< 5.0	36	< 15	< 50	< 5.0	< 5.0	35	--	**< 5.0**	< 10	< 20	< 20	**< 50**	--	--	--	--	--	--	--	--	--	--	--	--
	12/2/2005	5.6	< 1.0	< 1.0	< 1.0	< 10	**67**	1.4	3.7	47	< 3	< 10	< 1.0	< 1.0	42	--	**2.6**	< 2.0	< 4.0	< 4.0	< 10	--	--	--	--	--	--	--	--	--	--	--	--
	5/11/2006	4	< 1.0	< 1.0	< 3.0	< 10	**82**	3.1	3.4	46	< 3	< 10	< 1.0	< 1.0	35	--	**1.2**	< 2.0	< 4.0	< 4.0	< 10	--	--	--	--	--	--	--	--	--	--	--	--
	12/17/2006	2.1	< 1.0	< 1.0	< 3.0	< 10	**33**	1.1	1.2	19	< 3	< 10	< 1.0	< 1.0	18	--	< 1.0	< 2.0	< 4.0	< 4.0	< 10	--	--	--	--	--	--	--	--	--	--	--	--
	6/21/2007	2.8	< 1.0	< 1.0	< 1.5	< 10	**45**	< 1.0	2.3	30	< 3	< 10	< 1.0	< 1.0	29	--	< 1.0	< 2.0	< 4.0	< 4.0	< 10	--	--	--	--	--	--	--	--	--	--	--	--
	12/7/2007	3.9	< 1.0	< 1.0	< 1.5	< 10	**68**	2.7	3.4	48	< 3	< 10	< 1.0	< 1.0	41	--	< 1.0	< 2.0	< 4.0	< 4.0	< 10	--	--	--	--	--	--	--	--	--	--	--	--
	6/2/2008	3.6	< 1.0	< 1.0	< 1.5	< 10	**66**	1.1	3.7	50	< 3	< 10	< 1.0	< 1.0	40	--	< 1.0	< 2.0	< 4.0	< 4.0	< 10	--	--	--	--	--	--	--	--	--	--	--	--
	12/11/2008	3.5	< 1.0	< 1.0	< 1.5	< 10	**78**	1.2	3.6	66	< 3	< 10	< 1.0	< 1.0	41	--	< 1.0	< 2.0	< 4.0	< 4.0	< 10	--	--	--	--	--	--	--	--	--	--	--	--
	4/28/2009	3.3	< 1.0	< 1.0	< 1.5	< 10	**73**	1.1	3.7	65	< 3	< 10	< 1.0	< 1.0	39	--	< 1.0	< 2.0	< 4.0	< 4.0	< 10	--	--	--	--	--	--	--	--	--	--	--	--
	6/13/2010	3.6	< 1.0	< 1.0	< 1.5	< 10	**55**	1.0	3.2	57	< 3	< 10	< 1.0	< 1.0	28	--	< 1.0	< 2.0	< 4.0	< 4.0	< 10	--	--	--	--	--	--	--	--	--	--	--	--
	11/10/2011	3.1	< 1.0	< 1.0	< 1.5	< 10	**47**	< 1.0	2.3	60	< 3	< 10	< 1.0	< 1.0	23	--	< 1.0	< 2.0	< 4.0	< 4.0	< 10	--	--	--	--	--	--	--	--	--	--	--	--
	6/27/2012	3.6	< 1.0	< 1.0	< 1.5	14	**49**	1.0	3.0	58	< 3	< 10	< 1.0	< 1.0	29	--	< 1.0	< 2.0	< 4.0	< 4.0	< 10	--	--	--	--	--	--	--	--	--	--	--	--
	6/20/2013	3.5	< 1.0	< 1.0	< 1.5	< 10	**57**	< 1.0	2.8	65	< 3	< 10	< 1.0	< 1.0	31	--	< 1.0	< 2.0	< 4.0	< 4.0	< 10	--	--	--	--	--	--	--	--	--	--	--	--
	6/20/2013 (DUP)	3.5	< 1.0	< 1.0	< 1.5	< 10	**58**	1.2	2.8	67	< 3	< 10	< 1.0	< 1.0	30	--	< 1.0	< 2.0	< 4.0	< 4.0	< 10	--	--	--	--	--	--	--	--	--	--	--	--
	6/26/2014	Insufficient Well Volume - Not Sampled																															
	4/14/2016	2.6	< 1.0	< 1.0	< 1.5	< 23	**48**	< 1.0	2.0	51	< 3.0	< 10	< 1.0	< 1.0	22	< 1.0	< 1.0	< 10	< 10	< 10	< 30	96	--	33	< 0.10	< 0.50	< 2.0	0.11	--	7.1	0.63	0.0019	< 0.0010
	4/26/2017	2.7	< 1.0	< 1.0	< 1.5	< 10	**48**	< 1.0	1.9	56	< 3.0	< 10	< 1.0	< 1.0	21	< 1.0	< 1.0	< 2.0	< 4.0	< 4.0	< 10	--	--	--	--	--	--	--	--	--	--	--	--

Table 2

Summary of Groundwater Analytical Results
WT-1 Compressor Station
Lea County, New Mexico

Well ID	Sampling Date	BTEX (ug/L)				Other VOCs (ug/L)												SVOCs (ug/L)				Inorganics (mg/L)									Gases (mg/L)		
		Benzene	Toluene	Ethylbenzene	Xylenes (total)	Acetone	1,1-Dichloroethane (1,1-DCA)	1,2-Dichloroethane (EDC)	1,1-Dichloroethylene (1,1-DCE)	cis-1,2-Dichloroethylene	Methylene chloride	4-methyl-2-pentanone	Tetrachloroethylene (PCE)	1,1,1-Trichloroethane	Trichloroethylene (TCE)	Chloroform	Vinyl chloride	Naphthalene*	1-Methylnaphthalene	2-Methylnaphthalene	Total Naphthalenes	Sulfates	TDS	Total Organic Carbon	Nitrogen, Nitrate (As N)	Phosphourous, Orthophosphate (As P)	Nitrogen, Ammonia	Dissolved Iron	Sulfide	Total Iron	Methane	Ethane	Ethene
New Mexico Water Quality Control Commission Standard		**10**	**750**	**750**	**620**	**NE**	**25**	**10**	**5**	**NE**	**100**	**NE**	**20**	**60**	**100**	**100**	**1**	**30**	**30**	**30**	**30**	**600**	**1000**	**NE**	**10**	**NE**	**NE**	**1**	**NE**	**NE**	**NE**	**NE**	**NE**
MW-9	5/24/2004	< 0.50	< 0.50	< 0.50	< 0.50	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	11/9/2004	< 0.50	< 0.50	< 0.50	< 0.50	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	4/11/2005	< 0.50	< 0.50	< 0.50	< 0.50	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	12/1/2005	< 0.50	< 0.50	< 0.50	< 0.50	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	5/10/2006	< 1.0	< 1.0	< 1.0	< 3.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	12/14/2006	< 1.0	< 1.0	< 1.0	< 3.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	6/21/2007	< 1.0	< 1.0	< 1.0	< 2.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	12/7/2007	< 1.0	< 1.0	< 1.0	< 2.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	5/30/2008	< 1.0	< 1.0	< 1.0	< 2.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	12/11/2008	< 1.0	< 1.0	< 1.0	< 2.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	4/27/2009	< 1.0	< 1.0	< 1.0	< 2.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	6/11/2010	< 1.0	< 1.0	< 1.0	< 2.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	11/10/2011	< 1.0	< 1.0	< 1.0	< 2.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	6/26/2012	< 1.0	< 1.0	< 1.0	< 2.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	6/21/2013	< 1.0	< 1.0	< 1.0	< 2.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	6/25/2014	< 0.15	< 0.21	< 0.23	< 0.8	< 1.64	< 0.33	< 0.26	< 0.35	< 0.25	< 0.46	< 0.64	< 0.28	< 0.31	< 0.16	14.2	< 0.28	< 0.0708	< 0.107	< 0.0834	< 0.261	**913**	--	--	--	--	--	--	--	--	--	--	--	--
	4/16/2015	< 1.0	< 1.0	< 1.0	< 3.0	< 8.6	< 1.0	< 1.0	< 1.1	< 1.0	< 2.5	< 1.0	< 1.0	< 1.0	< 1.0	--	< 1.0	--	--	--	--	--	**3150**	--	--	--	--	--	--	--	--	--	--	--
MW-10	5/24/2004	Not sampled due to presense of LNAPL																															
	11/9/2004	Not sampled due to presense of LNAPL																															
	4/11/2005	Not sampled due to presense of LNAPL																															
	12/1/2005	Not sampled due to presense of LNAPL																															
	5/10/2006	Not sampled due to presense of LNAPL																															
	12/14/2006	Not sampled due to presense of LNAPL																															
	6/20/2007	Not sampled due to presense of LNAPL																															
	12/7/2007	Not sampled due to presense of LNAPL																															
	5/30/2008	Not sampled due to presense of LNAPL																															
	12/10/2008	Not sampled due to presense of LNAPL																															
	5/1/2009	Not sampled due to presense of LNAPL																															
	8/22/2009	Not sampled due to presense of LNAPL																															
	10/5/2009	Not sampled due to presense of LNAPL																															
	6/11/2010	Not sampled due to presense of LNAPL																															
	11/10/2011	Not sampled due to presense of LNAPL																															
	6/25/2014	Not sampled due to presense of LNAPL																															
	4/25/2017	**5,550**	10	490	**2,400**	< 100	< 10	< 10	**< 10**	< 10	< 30	< 100	< 10	< 10	< 10	< 10	**< 10**	**190**	**280**	**360**	**830**	13	--	--	--	--	--	**12**	**--**	80	6.4	--	--
	10/9/2017	**5,200**	<1.0	330	**2,100**	<100	< 10	< 10	--	--	< 30	< 100	--	< 10	--	< 10	**< 10**	< 30	<30	< 30	**< 90**	**640**	--	--	--	--	--	**3**	0.162	31	8.27	0.0151	<0.0130
	2/1/2018	**5,900**	23	390	**2,000**	53	< 5.0	< 5.0	< 5.0	< 5.0	< 15	120	< 5.0	< 5.0	< 5.0	< 5.0	**< 5.0**	**51**	**30**	**34**	**116**	**900**	--	--	--	--	--	**--**	--	--	--	--	--

Table 2

Summary of Groundwater Analytical Results
WT-1 Compressor Station
Lea County, New Mexico

Well ID	Sampling Date	BTEX (ug/L)				Other VOCs (ug/L)												SVOCs (ug/L)				Inorganics (mg/L)									Gases (mg/L)		
		Benzene	Toluene	Ethylbenzene	Xylenes (total)	Acetone	1,1-Dichloroethane (1,1-DCA)	1,2-Dichloroethane (EDC)	1,1-Dichloroethylene (1,1-DCE)	cis-1,2-Dichloroethylene	Methylene chloride	4-methyl-2-pentanone	Tetrachloroethylene (PCE)	1,1,1-Trichloroethane	Trichloroethylene (TCE)	Chloroform	Vinyl chloride	Naphthalene*	1-Methylnaphthalene	2-Methylnaphthalene	Total Naphthalenes	Sulfates	TDS	Total Organic Carbon	Nitrogen, Nitrate (As N)	Phosphourous, Orthophosphate (As P)	Nitrogen, Ammonia	Dissolved Iron	Sulfide	Total Iron	Methane	Ethane	Ethene
New Mexico Water Quality Control Commission Standard		**10**	**750**	**750**	**620**	**NE**	**25**	**10**	**5**	**NE**	**100**	**NE**	**20**	**60**	**100**	**100**	**1**	**30**	**30**	**30**	**30**	**600**	**1000**	**NE**	**10**	**NE**	**NE**	**1**	**NE**	**NE**	**NE**	**NE**	**NE**
MW-11	5/24/2004	< 0.50	< 0.50	< 0.50	< 0.50	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	11/9/2004	< 0.50	< 0.50	< 0.50	< 0.50	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	4/11/2005	< 0.50	< 0.50	< 0.50	< 0.50	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	12/1/2005	< 0.50	< 0.50	< 0.50	< 0.50	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	5/10/2006	< 1.0	< 1.0	< 1.0	< 3.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	12/14/2006	< 1.0	< 1.0	< 1.0	< 3.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	6/21/2007	< 1.0	< 1.0	< 1.0	< 2.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	12/7/2007	< 1.0	< 1.0	< 1.0	< 2.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	5/30/2008	< 1.0	< 1.0	< 1.0	< 2.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	12/11/2008	< 1.0	< 1.0	< 1.0	< 2.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	4/27/2009	< 1.0	< 1.0	< 1.0	< 2.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	6/11/2010	< 1.0	< 1.0	< 1.0	< 2.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	11/10/2011	< 1.0	< 1.0	< 1.0	< 2.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	6/26/2012	< 1.0	< 1.0	< 1.0	< 2.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	6/21/2013	< 1.0	< 1.0	< 1.0	< 2.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	6/25/2014	< 0.15	< 0.21	< 0.23	< 0.8	< 1.64	< 0.33	< 0.26	< 0.35	< 0.25	< 0.46	< 0.64	< 0.28	< 0.31	< 0.16	< 0.290	< 0.28	< 0.0708	< 0.107	< 0.0834	< 0.261	272	--	--	--	--	--	--	--	--	--	--	--
	4/16/2015	< 1.0	< 1.0	< 1.0	< 3.0	19	< 1.0	< 1.0	< 1.1	< 1.0	< 2.5	< 1.0	< 1.0	< 1.0	< 1.0	--	< 1.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-12	5/24/2004	< 0.50	< 0.50	< 0.50	< 0.50	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	11/9/2004	< 0.50	< 0.50	< 0.50	< 0.50	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	4/11/2005	< 0.50	< 0.50	< 0.50	< 0.50	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	12/1/2005	< 0.50	< 0.50	< 0.50	< 0.50	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	5/10/2006	< 1.0	< 1.0	< 1.0	< 3.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	12/14/2006	< 1.0	< 1.0	< 1.0	< 3.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	6/21/2007	< 1.0	< 1.0	< 1.0	< 2.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	12/7/2007	< 1.0	< 1.0	< 1.0	< 2.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	5/30/2008	< 1.0	< 1.0	< 1.0	< 2.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	12/11/2008	< 1.0	< 1.0	< 1.0	< 2.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	4/27/2009	< 1.0	< 1.0	< 1.0	< 2.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	6/11/2010	< 1.0	< 1.0	< 1.0	< 2.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	11/10/2011	< 1.0	< 1.0	< 1.0	< 2.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	6/26/2012	< 1.0	< 1.0	< 1.0	< 2.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	6/21/2013	< 1.0	< 1.0	< 1.0	< 2.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	6/25/2014	< 0.150	0.290 J	< 0.230	< 0.8	< 1.64	< 0.330	< 0.260	< 0.350	< 0.250	< 0.460	< 0.640	< 0.280	< 0.310	< 0.160	19.9	< 0.280	< 0.0708	< 0.107	< 0.0834	< 0.261	**750**	--	--	--	--	--	--	--	--	--	--	--
	4/15/2015	< 1.0	< 1.0	< 1.0	< 3.0	< 8.6	< 1.0	< 1.0	< 1.1	< 1.0	< 2.5	< 1.0	< 1.0	< 1.0	< 1.0	--	< 1.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--

Table 2

Summary of Groundwater Analytical Results
WT-1 Compressor Station
Lea County, New Mexico

Well ID	Sampling Date	BTEX (ug/L)				Other VOCs (ug/L)												SVOCs (ug/L)				Inorganics (mg/L)									Gases (mg/L)		
		Benzene	Toluene	Ethylbenzene	Xylenes (total)	Acetone	1,1-Dichloroethane (1,1-DCA)	1,2-Dichloroethane (EDC)	1,1-Dichloroethylene (1,1-DCE)	cis-1,2-Dichloroethylene	Methylene chloride	4-methyl-2-pentanone	Tetrachloroethylene (PCE)	1,1,1-Trichloroethane	Trichloroethylene (TCE)	Chloroform	Vinyl chloride	Naphthalene*	1-Methylnaphthalene	2-Methylnaphthalene	Total Naphthalenes	Sulfates	TDS	Total Organic Carbon	Nitrogen, Nitrate (As N)	Phosphourous, Orthophosphate (As P)	Nitrogen, Ammonia	Dissolved Iron	Sulfide	Total Iron	Methane	Ethane	Ethene
New Mexico Water Quality Control Commission Standard		**10**	**750**	**750**	**620**	**NE**	**25**	**10**	**5**	**NE**	**100**	**NE**	**20**	**60**	**100**	**100**	**1**	**30**	**30**	**30**	**30**	**600**	**1000**	**NE**	**10**	**NE**	**NE**	**1**	**NE**	**NE**	**NE**	**NE**	**NE**
MW-13	5/24/2004	< 0.50	< 0.50	< 0.50	< 0.50	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	11/9/2004	< 0.50	< 0.50	< 0.50	< 0.50	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	4/11/2005	< 0.50	< 0.50	< 0.50	< 0.50	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	12/1/2005	< 0.50	< 0.50	< 0.50	< 0.50	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	5/10/2006	< 1.0	< 1.0	< 1.0	< 3.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	12/14/2006	< 1.0	< 1.0	< 1.0	< 3.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	6/21/2007	< 1.0	< 1.0	< 1.0	< 2.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	12/7/2007	< 1.0	< 1.0	< 1.0	< 2.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	5/30/2008	< 1.0	< 1.0	< 1.0	< 2.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	12/11/2008	< 1.0	< 1.0	< 1.0	< 2.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	4/27/2009	< 1.0	< 1.0	< 1.0	< 2.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	6/11/2010	< 1.0	< 1.0	< 1.0	< 2.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	11/10/2011	< 1.0	< 1.0	< 1.0	< 2.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	6/26/2012	< 1.0	< 1.0	< 1.0	< 2.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	6/21/2013	< 1.0	< 1.0	< 1.0	< 2.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	6/25/2014	< 0.150	< 0.280 J	< 0.230	< 0.8	< 1.64	< 0.330	< 0.260	< 0.350	< 0.250	< 0.460	< 0.640	< 0.280	< 0.310	< 0.160	< 0.290	< 0.280	< 0.0708	< 0.107	< 0.0834	< 0.261	168	--	--	--	--	--	--	--	--	--	--	--	--
	4/16/2015	< 1.0	< 1.0	< 1.0	< 3.0	< 8.6	< 1.0	< 1.0	< 1.1	< 1.0	< 2.5	< 1.0	< 1.0	< 1.0	< 1.0	--	< 1.0	--	--	--	--	--	**2410**	--	--	--	--	--	--	--	--	--	--	--
MW-14	5/25/2004	< 1.0	< 1.0	< 1.0	< 1.0	< 10	**29**	< 1.0	< 1.0	5.8	< 3.0	< 10	< 1.0	< 1.0	12	--	< 1.0	< 2.0	< 4.0	< 4.0	< 10	--	--	--	--	--	--	--	--	--	--	--	--	--
	11/10/2004	< 1.0	< 1.0	< 1.0	< 1.0	< 10	24	< 1.0	< 1.0	5.0	< 3.0	< 10	< 1.0	< 1.0	10	--	< 1.0	< 2.0	< 4.0	< 4.0	< 10	--	--	--	--	--	--	--	--	--	--	--	--	--
	4/12/2005	< 1.0	< 1.0	< 1.0	< 1.0	< 10	**27**	< 1.0	1.0	5.3	< 3.0	< 10	< 1.0	< 1.0	9.8	--	< 1.0	< 2.0	< 4.0	< 4.0	< 10	--	--	--	--	--	--	--	--	--	--	--	--	--
	12/2/2005	< 1.0	< 1.0	< 1.0	< 1.0	< 10	**26**	< 1.0	< 1.0	5.0	< 3.0	< 10	< 1.0	< 1.0	8.9	--	< 1.0	< 2.0	< 4.0	< 4.0	< 10	--	--	--	--	--	--	--	--	--	--	--	--	--
	5/11/2006	< 1.0	< 1.0	< 1.0	< 3.0	< 10	**28**	< 1.0	< 1.0	4.1	< 3.0	< 10	< 1.0	< 1.0	6.8	--	< 1.0	< 2.0	< 4.0	< 4.0	< 10	--	--	--	--	--	--	--	--	--	--	--	--	--
	12/17/2006	< 1.0	< 1.0	< 1.0	< 3.0	< 10	**28**	< 1.0	< 1.0	4.5	< 3.0	< 10	< 1.0	< 1.0	7.4	--	< 1.0	< 2.0	< 4.0	< 4.0	< 10	--	--	--	--	--	--	--	--	--	--	--	--	--
	6/21/2007	< 1.0	< 1.0	< 1.0	< 1.5	< 10	19	< 1.0	< 1.0	3.1	< 3.0	< 10	< 1.0	< 1.0	5.2	--	< 1.0	< 2.0	< 4.0	< 4.0	< 10	--	--	--	--	--	--	--	--	--	--	--	--	--
	12/7/2007	< 1.0	< 1.0	< 1.0	< 1.5	< 10	18	< 1.0	< 1.0	2.4	< 3.0	< 10	< 1.0	< 1.0	4.7	--	< 1.0	< 2.0	< 4.0	< 4.0	< 10	--	--	--	--	--	--	--	--	--	--	--	--	--
	6/2/2008	< 1.0	< 1.0	< 1.0	< 1.5	< 10	19	< 1.0	< 1.0	2.4	< 3.0	< 10	< 1.0	< 1.0	4.3	--	< 1.0	< 2.0	< 4.0	< 4.0	< 10	--	--	--	--	--	--	--	--	--	--	--	--	--
	12/11/2008	< 1.0	< 1.0	< 1.0	< 1.5	< 10	19	< 1.0	< 1.0	2.7	< 3.0	< 10	< 1.0	< 1.0	3.7	--	< 1.0	< 2.0	< 4.0	< 4.0	< 10	--	--	--	--	--	--	--	--	--	--	--	--	--
	4/28/2009	< 1.0	< 1.0	< 1.0	< 1.5	< 10	20	< 1.0	< 1.0	2.3	< 3.0	< 10	< 1.0	< 1.0	3.5	--	< 1.0	< 2.0	< 4.0	< 4.0	< 10	--	--	--	--	--	--	--	--	--	--	--	--	--
	6/13/2010	< 1.0	< 1.0	< 1.0	< 1.5	< 10	16	< 1.0	< 1.0	1.8	< 3.0	< 10	< 1.0	< 1.0	2.4	--	< 1.0	< 2.0	< 4.0	< 4.0	< 10	--	--	--	--	--	--	--	--	--	--	--	--	--
	11/9/2011	< 1.0	< 1.0	< 1.0	< 1.5	< 10	12	< 1.0	< 1.0	1.1	< 3.0	< 10	< 1.0	< 1.0	1.2	--	< 1.0	< 2.0	< 4.0	< 4.0	< 10	--	--	--	--	--	--	--	--	--	--	--	--	--
	6/27/2012	< 1.0	< 1.0	< 1.0	< 1.5	< 10	12	< 1.0	< 1.0	< 1.0	< 3.0	< 10	< 1.0	< 1.0	1.3	--	< 1.0	< 2.0	< 4.0	< 4.0	< 10	--	--	--	--	--	--	--	--	--	--	--	--	--
	6/20/2013	< 1.0	< 1.0	< 1.0	< 1.5	< 10	11	< 1.0	< 1.0	< 1.0	< 3.0	< 10	< 1.0	< 1.0	< 1.0	--	< 1.0	< 2.0	< 4.0	< 4.0	< 10	--	--	--	--	--	--	--	--	--	--	--	--	--
	6/26/2014	0.430 J	< 0.210	< 0.230	< 0.8	< 1.64	11.0	< 0.260	< 0.350	0.290 J	< 0.460	< 0.640	< 0.280	< 0.310	0.490 J	< 0.290	< 0.280	< 0.0708	< 0.107	< 0.0834	< 0.261	506	--	--	--	--	--	--	--	--	--	--	--	--
	4/15/2015	< 1.0	< 1.0	< 1.0	< 3.0	< 8.6	10.0	< 1.0	< 1.1	< 1.0	< 2.5	< 1.0	< 1.0	< 1.0	< 1.0	--	< 1.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	4/14/2016	< 1.0	< 1.0	< 1.0	< 1.5	< 10	6.7	< 1.0	< 1.0	< 1.0	< 3.0	< 10	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 10	< 10	< 10	< 30	520	--	--	1	< 0.50	< 1.0	< 0.020	--	1.2	--	--	--
	4/26/2017	< 1.0	< 1.0	< 1.0	< 1.5	< 10	6.7	< 1.0	< 1.0	< 1.0	< 3.0	< 10	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 2.0	< 4.0	< 4.0	< 10	--	--	--	--	--	--	--	--	--	--	--	--	--

Table 2

Summary of Groundwater Analytical Results
WT-1 Compressor Station
Lea County, New Mexico

Well ID	Sampling Date	BTEX (ug/L)				Other VOCs (ug/L)												SVOCs (ug/L)				Inorganics (mg/L)									Gases (mg/L)		
		Benzene	Toluene	Ethylbenzene	Xylenes (total)	Acetone	1,1-Dichloroethane (1,1-DCA)	1,2-Dichloroethane (EDC)	1,1-Dichloroethylene (1,1-DCE)	cis-1,2-Dichloroethylene	Methylene chloride	4-methyl-2-pentanone	Tetrachloroethylene (PCE)	1,1,1-Trichloroethane	Trichloroethylene (TCE)	Chloroform	Vinyl chloride	Naphthalene*	1-Methylnaphthalene	2-Methylnaphthalene	Total Naphthalenes	Sulfates	TDS	Total Organic Carbon	Nitrogen, Nitrate (As N)	Phosphourous, Orthophosphate (As P)	Nitrogen, Ammonia	Dissolved Iron	Sulfide	Total Iron	Methane	Ethane	Ethene
New Mexico Water Quality Control Commission Standard		**10**	**750**	**750**	**620**	**NE**	**25**	**10**	**5**	**NE**	**100**	**NE**	**20**	**60**	**100**	**100**	**1**	**30**	**30**	**30**	**30**	**600**	**1000**	**NE**	**10**	**NE**	**NE**	**1**	**NE**	**NE**	**NE**	**NE**	**NE**
MW-15	5/25/2004	< 1.0	< 1.0	< 1.0	< 1.0	< 10	2.5	< 1.0	2.6	< 1.0	< 3.0	< 10	< 1.0	1.9	< 1.0	--	**< 2.0**	< 2.0	< 4.0	< 4.0	< 10	--	--	--	--	--	--	--	--	--	--	--	--
	5/25/2004	< 1.0	< 1.0	< 1.0	< 1.0	< 10	2.4	< 1.0	2.6	< 1.0	< 3.0	< 10	< 1.0	1.9	< 1.0	--	< 1.0	< 2.0	< 4.0	< 4.0	< 10	--	--	--	--	--	--	--	--	--	--	--	--
	11/9/2004	< 1.0	< 1.0	< 1.0	< 1.0	< 10	2.5	< 1.0	1.9	< 1.0	< 3.0	< 10	< 1.0	2.7	< 1.0	--	< 1.0	< 2.0	< 4.0	< 4.0	< 10	--	--	--	--	--	--	--	--	--	--	--	--
	4/12/2005	< 1.0	< 1.0	< 1.0	< 1.0	< 10	3.7	< 1.0	2.6	< 1.0	< 3.0	< 10	< 1.0	1.9	< 1.0	--	< 1.0	< 2.0	< 4.0	< 4.0	< 10	--	--	--	--	--	--	--	--	--	--	--	--
	12/2/2005	< 1.0	< 1.0	< 1.0	< 1.0	< 10	2.5	< 1.0	2.1	< 1.0	< 3.0	< 10	< 1.0	1.9	< 1.0	--	< 1.0	< 2.0	< 4.0	< 4.0	< 10	--	--	--	--	--	--	--	--	--	--	--	--
	5/11/2006	< 1.0	< 1.0	< 1.0	< 3.0	< 10	2.3	< 1.0	2.4	< 1.0	< 3.0	< 10	< 1.0	1.7	< 1.0	--	< 1.0	< 2.0	< 4.0	< 4.0	< 10	--	--	--	--	--	--	--	--	--	--	--	--
	12/17/2006	< 1.0	< 1.0	< 1.0	< 3.0	< 10	3.1	< 1.0	1.7	< 1.0	< 3.0	< 10	< 1.0	1.9	< 1.0	--	< 1.0	< 2.0	< 4.0	< 4.0	< 10	--	--	--	--	--	--	--	--	--	--	--	--
	6/21/2007	< 1.0	< 1.0	< 1.0	< 1.5	< 10	2.1	< 1.0	1.6	< 1.0	< 3.0	< 10	< 1.0	1.4	< 1.0	--	< 1.0	< 2.0	< 4.0	< 4.0	< 10	--	--	--	--	--	--	--	--	--	--	--	--
	12/7/2007	< 1.0	< 1.0	< 1.0	< 1.5	< 10	1.7	< 1.0	1.4	< 1.0	< 3.0	< 10	< 1.0	1.1	< 1.0	--	< 1.0	< 2.0	< 4.0	< 4.0	< 10	--	--	--	--	--	--	--	--	--	--	--	--
	6/2/2008	< 1.0	< 1.0	< 1.0	< 1.5	< 10	2.0	< 1.0	1.9	< 1.0	< 3.0	< 10	< 1.0	1.1	< 1.0	--	< 1.0	< 2.0	< 4.0	< 4.0	< 10	--	--	--	--	--	--	--	--	--	--	--	--
	12/11/2008	< 1.0	< 1.0	< 1.0	< 1.5	< 10	1.6	< 1.0	1.7	< 1.0	< 3.0	< 10	< 1.0	1.0	< 1.0	--	< 1.0	< 2.0	< 4.0	< 4.0	< 10	--	--	--	--	--	--	--	--	--	--	--	--
	4/28/2009	< 1.0	< 1.0	< 1.0	< 1.5	< 10	1.6	< 1.0	1.4	< 1.0	< 3.0	< 10	< 1.0	< 1.0	< 1.0	--	< 1.0	< 2.0	< 4.0	< 4.0	< 10	--	--	--	--	--	--	--	--	--	--	--	--
	6/13/2010	< 1.0	< 1.0	< 1.0	< 1.5	< 10	1.4	< 1.0	1.3	< 1.0	< 3.0	< 10	< 1.0	1.0	< 1.0	--	< 1.0	< 2.0	< 4.0	< 4.0	< 10	--	--	--	--	--	--	--	--	--	--	--	--
	11/10/2011	< 1.0	< 1.0	< 1.0	< 1.5	< 10	1.3	< 1.0	1.2	< 1.0	< 3.0	< 10	< 1.0	< 1.0	< 1.0	--	< 1.0	< 2.0	< 4.0	< 4.0	< 10	--	--	--	--	--	--	--	--	--	--	--	--
	6/26/2012	< 1.0	< 1.0	< 1.0	< 1.5	< 10	1.7	< 1.0	1.6	< 1.0	< 3.0	< 10	< 1.0	< 1.0	< 1.0	--	< 1.0	< 2.0	< 4.0	< 4.0	< 10	--	--	--	--	--	--	--	--	--	--	--	--
	6/21/2013	< 1.0	< 1.0	< 1.0	< 1.5	< 10	1.4	< 1.0	1.2	< 1.0	< 3.0	< 10	< 1.0	< 1.0	< 1.0	--	< 1.0	< 2.0	< 4.0	< 4.0	< 10	--	--	--	--	--	--	--	--	--	--	--	--
	6/25/2014	< 0.150	0.220 J	< 0.230	< 0.8	< 1.64	1.60	< 0.260	1.27	< 0.250	< 0.460	< 0.640	< 0.280	0.570 J	< 0.160	0.820	< 0.280	< 0.0708	< 0.107	< 0.0834	< 0.261	476	--	--	--	--	--	--	--	--	--	--	--
	4/15/2015	< 1.0	< 1.0	< 1.0	< 3.0	< 8.6	3.8	< 1.0	< 1.1	< 1.0	< 2.5	< 1.0	< 1.0	2.1	< 1.0	--	< 1.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-16	5/25/2004	< 1.0	< 1.0	< 1.0	< 1.0	< 10	1.5	< 1.0	2.1	< 1.0	< 3.0	< 10	6.6	< 1.0	< 1.0	--	< 1.0	< 2.0	< 4.0	< 4.0	< 10	--	--	--	--	--	--	--	--	--	--	--	--
	11/9/2004	< 1.0	< 1.0	< 1.0	< 1.0	< 10	1.3	< 1.0	1.0	< 1.0	< 3.0	< 10	8.3	< 1.0	< 1.0	--	< 1.0	< 2.0	< 4.0	< 4.0	< 10	--	--	--	--	--	--	--	--	--	--	--	--
	4/12/2005	< 1.0	< 1.0	< 1.0	< 1.0	< 10	2.3	< 1.0	2.0	< 1.0	< 3.0	< 10	5.6	< 1.0	< 1.0	--	< 1.0	< 2.0	< 4.0	< 4.0	< 10	--	--	--	--	--	--	--	--	--	--	--	--
	12/2/2005	< 1.0	< 1.0	< 1.0	< 1.0	< 10	< 2.0	< 1.0	1.4	< 1.0	< 3.0	< 10	5.2	< 1.0	< 1.0	--	< 1.0	< 2.0	< 4.0	< 4.0	< 10	--	--	--	--	--	--	--	--	--	--	--	--
	5/11/2006	< 1.0	< 1.0	< 1.0	< 3.0	< 10	< 2.0	< 1.0	1.8	< 1.0	< 3.0	< 10	5.1	< 1.0	1.3	--	< 1.0	< 2.0	< 4.0	< 4.0	< 10	--	--	--	--	--	--	--	--	--	--	--	--
	12/17/2006	< 1.0	< 1.0	< 1.0	< 3.0	< 10	< 2.0	< 1.0	1.2	< 1.0	< 3.0	< 10	4.0	< 1.0	1.3	--	< 1.0	< 2.0	< 4.0	< 4.0	< 10	--	--	--	--	--	--	--	--	--	--	--	--
	6/21/2007	< 1.0	< 1.0	< 1.0	< 1.5	< 10	1.1	< 1.0	1.2	< 1.0	< 3.0	< 10	4.8	< 1.0	< 1.0	--	< 1.0	< 2.0	< 4.0	< 4.0	< 10	--	--	--	--	--	--	--	--	--	--	--	--
	12/7/2007	< 1.0	< 1.0	< 1.0	< 1.5	< 10	< 1.0	< 1.0	< 1.0	< 1.0	< 3.0	< 10	3.9	< 1.0	< 1.0	--	< 1.0	< 2.0	< 4.0	< 4.0	< 10	--	--	--	--	--	--	--	--	--	--	--	--
	6/2/2008	< 1.0	< 1.0	< 1.0	< 1.5	< 10	< 1.0	< 1.0	< 1.0	< 1.0	< 3.0	< 10	4.0	< 1.0	< 1.0	--	< 1.0	< 2.0	< 4.0	< 4.0	< 10	--	--	--	--	--	--	--	--	--	--	--	--
	12/11/2008	< 1.0	< 1.0	< 1.0	< 1.5	< 10	< 1.0	< 1.0	< 1.0	< 1.0	< 3.0	< 10	4.3	< 1.0	< 1.0	--	< 1.0	< 2.0	< 4.0	< 4.0	< 10	--	--	--	--	--	--	--	--	--	--	--	--
	4/28/2009	< 1.0	< 1.0	< 1.0	< 1.5	< 10	< 1.0	< 1.0	< 1.0	< 1.0	< 3.0	< 10	4.4	< 1.0	< 1.0	--	< 1.0	< 2.0	< 4.0	< 4.0	< 10	--	--	--	--	--	--	--	--	--	--	--	--
	6/13/2010	< 1.0	< 1.0	< 1.0	< 1.5	< 10	< 1.0	< 1.0	< 1.0	< 1.0	< 3.0	< 10	3.7	< 1.0	< 1.0	--	< 1.0	< 2.0	< 4.0	< 4.0	< 10	--	--	--	--	--	--	--	--	--	--	--	--
	11/10/2011	< 1.0	< 1.0	< 1.0	< 1.5	< 10	< 1.0	< 1.0	< 1.0	< 1.0	< 3.0	< 10	2.5	< 1.0	< 1.0	--	< 1.0	< 2.0	< 4.0	< 4.0	< 10	--	--	--	--	--	--	--	--	--	--	--	--
	6/26/2012	< 1.0	< 1.0	< 1.0	< 1.5	< 10	< 1.0	< 1.0	< 1.0	< 1.0	< 3.0	< 10	2.9	< 1.0	< 1.0	--	< 1.0	< 2.0	< 4.0	< 4.0	< 10	--	--	--	--	--	--	--	--	--	--	--	--
	6/21/2013	< 1.0	< 1.0	< 1.0	< 1.5	< 10	< 1.0	< 1.0	< 1.0	< 1.0	< 3.0	< 10	2.2	< 1.0	< 1.0	--	< 1.0	< 2.0	< 4.0	< 4.0	< 10	--	--	--	--	--	--	--	--	--	--	--	--
	6/26/2014	< 0.150	0.250 J	< 0.230	< 0.8	< 1.64	0.670 J	< 0.260	< 0.350	< 0.250	< 0.460	< 0.640	1.04	< 0.310	0.190 J	< 0.290	< 0.280	< 0.0708	< 0.107	< 0.0834	< 0.261	**606**	--	--	--	--	--	--	--	--	--	--	--
	4/15/2015	< 1.0	< 1.0	< 1.0	< 3.0	< 8.6	< 1.0	< 1.0	< 1.1	< 1.0	< 2.5	< 1.0	1.5	< 1.0	< 1.0	--	< 1.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--

Table 2

Summary of Groundwater Analytical Results
WT-1 Compressor Station
Lea County, New Mexico

Well ID	Sampling Date	BTEX (ug/L)				Other VOCs (ug/L)												SVOCs (ug/L)				Inorganics (mg/L)									Gases (mg/L)		
		Benzene	Toluene	Ethylbenzene	Xylenes (total)	Acetone	1,1-Dichloroethane (1,1-DCA)	1,2-Dichloroethane (EDC)	1,1-Dichloroethylene (1,1-DCE)	cis-1,2-Dichloroethylene	Methylene chloride	4-methyl-2-pentanone	Tetrachloroethylene (PCE)	1,1,1-Trichloroethane	Trichloroethylene (TCE)	Chloroform	Vinyl chloride	Naphthalene*	1-Methylnaphthalene	2-Methylnaphthalene	Total Naphthalenes	Sulfates	TDS	Total Organic Carbon	Nitrogen, Nitrate (As N)	Phosphourous, Orthophosphate (As P)	Nitrogen, Ammonia	Dissolved Iron	Sulfide	Total Iron	Methane	Ethane	Ethene
New Mexico Water Quality Control Commission Standard		**10**	**750**	**750**	**620**	**NE**	**25**	**10**	**5**	**NE**	**100**	**NE**	**20**	**60**	**100**	**100**	**1**	**30**	**30**	**30**	**30**	**600**	**1000**	**NE**	**10**	**NE**	**NE**	**1**	**NE**	**NE**	**NE**	**NE**	**NE**
MW-17	11/10/2004	< 1.0	< 1.0	< 1.0	< 1.0	< 10	1.9	< 1.0	2.6	< 1.0	< 3.0	< 10	1.7	< 1.0	< 1.0	--	< 1.0	< 2.0	< 4.0	< 4.0	< 10	--	--	--	--	--	--	--	--	--	--	--	--
	4/12/2005	< 1.0	< 1.0	< 1.0	< 1.0	< 10	3.0	< 1.0	2.8	< 1.0	< 3.0	< 10	1.7	< 1.0	< 1.0	--	< 1.0	< 2.0	< 4.0	< 4.0	< 10	--	--	--	--	--	--	--	--	--	--	--	--
	12/2/2005	< 1.0	< 1.0	< 1.0	< 1.0	< 10	2.1	< 1.0	2.7	< 1.0	< 3.0	< 10	2.1	< 1.0	< 1.0	--	< 1.0	< 2.0	< 4.0	< 4.0	< 10	--	--	--	--	--	--	--	--	--	--	--	--
	5/11/2006	< 1.0	< 1.0	< 1.0	< 1.0	< 10	1.7	< 1.0	< 1.0	< 1.0	< 3.0	< 10	1	< 1.0	< 1.0	--	< 1.0	< 2.0	< 4.0	< 4.0	< 10	--	--	--	--	--	--	--	--	--	--	--	--
	12/15/2006	< 1.0	< 1.0	< 1.0	< 3.0	< 10	< 2.0	< 1.0	1.9	< 1.0	< 3.0	< 10	1.4	< 1.0	1.2	--	< 1.0	< 2.0	< 4.0	< 4.0	< 10	--	--	--	--	--	--	--	--	--	--	--	--
	6/21/2007	< 1.0	< 1.0	< 1.0	< 1.5	< 10	1.5	< 1.0	2.0	< 1.0	< 3.0	< 10	1.7	< 1.0	< 1.0	--	< 1.0	< 2.0	< 4.0	< 4.0	< 10	--	--	--	--	--	--	--	--	--	--	--	--
	12/7/2007	< 1.0	< 1.0	< 1.0	< 1.5	< 10	1.2	< 1.0	1.6	< 1.0	< 3.0	< 10	1.7	< 1.0	< 1.0	--	< 1.0	< 2.0	< 4.0	< 4.0	< 10	--	--	--	--	--	--	--	--	--	--	--	--
	6/2/2008	< 1.0	< 1.0	< 1.0	< 1.5	< 10	1.5	< 1.0	1.8	< 1.0	< 3.0	< 10	1.6	< 2.0	< 1.0	--	< 1.0	< 2.0	< 4.0	< 4.0	< 10	--	--	--	--	--	--	--	--	--	--	--	--
	12/11/2008	< 1.0	< 1.0	< 1.0	< 1.5	< 10	1.2	< 1.0	1.6	< 1.0	< 3.0	< 10	1.8	< 1.0	< 1.0	--	< 1.0	< 2.0	< 4.0	< 4.0	< 10	--	--	--	--	--	--	--	--	--	--	--	--
	4/28/2009	< 1.0	< 1.0	< 1.0	< 1.5	< 10	1.2	< 1.0	1.5	< 1.0	< 3.0	< 10	2.0	< 1.0	< 1.0	--	< 1.0	< 2.0	< 4.0	< 4.0	< 10	--	--	--	--	--	--	--	--	--	--	--	--
	6/13/2010	< 1.0	< 1.0	< 1.0	< 1.5	< 10	1.1	< 1.0	1.2	< 1.0	< 3.0	< 10	1.8	< 1.0	< 1.0	--	< 1.0	< 2.0	< 4.0	< 4.0	< 10	--	--	--	--	--	--	--	--	--	--	--	--
	11/9/2011	< 1.0	< 1.0	< 1.0	< 1.5	< 10	< 1.0	< 1.0	< 1.0	< 1.0	< 3.0	< 10	1.5	< 1.0	< 1.0	--	< 1.0	< 2.0	< 4.0	< 4.0	< 10	--	--	--	--	--	--	--	--	--	--	--	--
	6/27/2012	< 1.0	< 1.0	< 1.0	< 1.5	< 10	< 1.0	< 1.0	1.1	< 1.0	< 3.0	< 10	1.5	< 1.0	< 1.0	--	< 1.0	< 2.0	< 4.0	< 4.0	< 10	--	--	--	--	--	--	--	--	--	--	--	--
	6/20/2013	< 1.0	< 1.0	< 1.0	< 1.5	< 10	< 1.0	< 1.0	< 1.0	< 1.0	< 3.0	< 10	1.3	< 1.0	< 1.0	--	< 1.0	< 2.0	< 4.0	< 4.0	< 10	--	--	--	--	--	--	--	--	--	--	--	--
	6/26/2014	< 0.150	< 0.210	< 0.230	< 0.8	< 1.64	0.830 J	< 0.260	0.490 J	< 0.250	< 0.460	< 0.640	0.580 J	< 0.310	0.240 J	1.06	< 0.280	< 0.0708	< 0.107	< 0.0834	< 0.261	558	--	--	--	--	--	--	--	--	--	--	--	--
	4/15/2015	< 1.0	< 1.0	< 1.0	< 3.0	< 8.6	< 1.0	< 1.0	< 1.1	< 1.0	< 2.5	< 1.0	< 1.0	< 1.0	< 1.0	--	< 1.0	--	--	--	--	--	**2250**	--	--	--	--	--	--	--	--	--	--	--

Notes:

1) Total Naphthalenes = Naphthalene + 1-Methylnaphthalene + 2-Methylnaphthalene
2) * = Napthalene data by VOC method 8260 not included in 2015 data
3) ""--"" = Analysis for this constituent was not run on samples collected during this sample event
4) ""J"" = Analyte detected below quantitation limits
5) Bold and less than indicates the sample detection limit was higher than the NMWQCC standard
6) Concentrations in Bold exceed the NMWQCC standard
7) ug/L = micgrograms per liter
8) mg/L = milligrams per liter

Table 3

Summary of ISEB Monitoring Analytical Results
WT-1 Compressor Station
Lea County, New Mexico

Well ID	Sampling Date	Benzene	Toluene	Ethylbenzene	Xylenes (total)	Naphthalene	1-Methylnaphthalene	2-Methylnaphthalene	Total Naphthalenes	Sulfates
SVE-5	4/15/2016	**1600**	27	100	**640**	**30**	**< 40**	**< 40**	**30**	< 2.5
	4/25/2017	**1400**	< 10	140	**810**	**40**	**< 40**	**< 40**	**40**	< 2.5
	10/9/2017	**700**	8.8	67	270	**33**	< 20	< 20	**33**	**5700**
	2/1/2018	**780**	20	130	550	**58**	**39**	**56**	**153**	250
SVE-13	4/15/2016	**430**	< 5.0	37	13	< 10	< 20	< 20	< 50	400
	4/25/2017	**3,300**	< 2.0	290	**630**	54	25	36	**115**	--
	2/1/018	**450**	< 10	80	< 15	< 20	< 40	< 40	< 100	**700**
SVE-14	4/15/5016	**37**	< 10	34	160	< 20	**< 40**	**< 40**	**< 100**	91
	4/25/2017	**210**	1.3	73	260	7.1	6.5	4.2	17.8	50
	2/1/2018	**83**	< 1.0	39	110	5.3	9.1	4.3	18.7	160
MW-10	4/25/2017	**5,550**	10	490	**2,400**	**190**	**280**	**360**	**830**	13
	10/9/2017	**5,200**	<1.0	330	**2,100**	< 30	<30	< 30	< 30	**640**
	2/1/2018	**5,900**	23	390	**2,000**	**51**	**30**	**34**	**116**	**900**
New Mexico Water Quality Control Commission Standard		**10**	**750**	**750**	**620**	**30**	**30**	**30**	**30**	**600**

Notes:

1) Total Naphthalenes = Naphthalene + 1-Methylnaphthalene + 2-Methylnaphthalene
6) Concentrations in Bold exceed the NMWQCC standard
7) ug/L = micgrograms per liter
8) mg/L = milligrams per liter

Appendix A
Groundwater Laboratory Analytical Reports

HALL ENVIRONMENTAL ANALYSIS LABORATORY

Hall Environmental Analysis Laboratory
4901 Hawkins NE
Albuquerque, NM 87109
TEL: 505-345-3975 FAX: 505-345-4107
Website: www.hallenvironmental.com

May 15, 2017

Bernie Bockish

GHD
6121 Indian School Road, NE #200
Albuquerque, NM 87110
TEL: (505) 884-0672
FAX

RE: WT-1 OrderNo.: 1705010

Dear Bernie Bockish:

Hall Environmental Analysis Laboratory received 16 sample(s) on 4/29/2017 for the analyses presented in the following report.

These were analyzed according to EPA procedures or equivalent. To access our accredited tests please go to www.hallenvironmental.com or the state specific web sites. In order to properly interpret your results, it is imperative that you review this report in its entirety. See the sample checklist and/or the Chain of Custody for information regarding the sample receipt temperature and preservation. Data qualifiers or a narrative will be provided if the sample analysis or analytical quality control parameters require a flag. When necessary, data qualifiers are provided on both the sample analysis report and the QC summary report, both sections should be reviewed. All samples are reported, as received, unless otherwise indicated. Lab measurement of analytes considered field parameters that require analysis within 15 minutes of sampling such as pH and residual chlorine are qualified as being analyzed outside of the recommended holding time.

Please don't hesitate to contact HEAL for any additional information or clarifications.

ADHS Cert #AZ0682 -- NMED-DWB Cert #NM9425 -- NMED-Micro Cert #NM0190

Sincerely,

Andy Freeman
Laboratory Manager
4901 Hawkins NE
Albuquerque, NM 87109

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD
Client Sample ID: GW11103552-042717SVE1A
Project: WT-1
Collection Date: 4/27/2017 10:05:00 AM
Lab ID: 1705010-001
Matrix: AQUEOUS
Received Date: 4/29/2017 8:00:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8270C: SEMIVOLATILES						Analyst: **DAM**	
Acenaphthene	ND	50	D	µg/L	1	5/5/2017 11:29:44 AM	31518
Acenaphthylene	ND	50	D	µg/L	1	5/5/2017 11:29:44 AM	31518
Aniline	ND	50	D	µg/L	1	5/5/2017 11:29:44 AM	31518
Anthracene	ND	50	D	µg/L	1	5/5/2017 11:29:44 AM	31518
Azobenzene	ND	50	D	µg/L	1	5/5/2017 11:29:44 AM	31518
Benz(a)anthracene	ND	50	D	µg/L	1	5/5/2017 11:29:44 AM	31518
Benzo(a)pyrene	ND	50	D	µg/L	1	5/5/2017 11:29:44 AM	31518
Benzo(b)fluoranthene	ND	50	D	µg/L	1	5/5/2017 11:29:44 AM	31518
Benzo(g,h,i)perylene	ND	50	D	µg/L	1	5/5/2017 11:29:44 AM	31518
Benzo(k)fluoranthene	ND	50	D	µg/L	1	5/5/2017 11:29:44 AM	31518
Benzoic acid	ND	100	D	µg/L	1	5/5/2017 11:29:44 AM	31518
Benzyl alcohol	ND	50	D	µg/L	1	5/5/2017 11:29:44 AM	31518
Bis(2-chloroethoxy)methane	ND	50	D	µg/L	1	5/5/2017 11:29:44 AM	31518
Bis(2-chloroethyl)ether	ND	50	D	µg/L	1	5/5/2017 11:29:44 AM	31518
Bis(2-chloroisopropyl)ether	ND	50	D	µg/L	1	5/5/2017 11:29:44 AM	31518
Bis(2-ethylhexyl)phthalate	ND	50	D	µg/L	1	5/5/2017 11:29:44 AM	31518
4-Bromophenyl phenyl ether	ND	50	D	µg/L	1	5/5/2017 11:29:44 AM	31518
Butyl benzyl phthalate	ND	50	D	µg/L	1	5/5/2017 11:29:44 AM	31518
Carbazole	ND	50	D	µg/L	1	5/5/2017 11:29:44 AM	31518
4-Chloro-3-methylphenol	ND	50	D	µg/L	1	5/5/2017 11:29:44 AM	31518
4-Chloroaniline	ND	50	D	µg/L	1	5/5/2017 11:29:44 AM	31518
2-Chloronaphthalene	ND	50	D	µg/L	1	5/5/2017 11:29:44 AM	31518
2-Chlorophenol	ND	50	D	µg/L	1	5/5/2017 11:29:44 AM	31518
4-Chlorophenyl phenyl ether	ND	50	D	µg/L	1	5/5/2017 11:29:44 AM	31518
Chrysene	ND	50	D	µg/L	1	5/5/2017 11:29:44 AM	31518
Di-n-butyl phthalate	ND	50	D	µg/L	1	5/5/2017 11:29:44 AM	31518
Di-n-octyl phthalate	ND	50	D	µg/L	1	5/5/2017 11:29:44 AM	31518
Dibenz(a,h)anthracene	ND	50	D	µg/L	1	5/5/2017 11:29:44 AM	31518
Dibenzofuran	ND	50	D	µg/L	1	5/5/2017 11:29:44 AM	31518
1,2-Dichlorobenzene	ND	50	D	µg/L	1	5/5/2017 11:29:44 AM	31518
1,3-Dichlorobenzene	ND	50	D	µg/L	1	5/5/2017 11:29:44 AM	31518
1,4-Dichlorobenzene	ND	50	D	µg/L	1	5/5/2017 11:29:44 AM	31518
3,3´-Dichlorobenzidine	ND	50	D	µg/L	1	5/5/2017 11:29:44 AM	31518
Diethyl phthalate	ND	50	D	µg/L	1	5/5/2017 11:29:44 AM	31518
Dimethyl phthalate	ND	50	D	µg/L	1	5/5/2017 11:29:44 AM	31518
2,4-Dichlorophenol	ND	100	D	µg/L	1	5/5/2017 11:29:44 AM	31518
2,4-Dimethylphenol	ND	50	D	µg/L	1	5/5/2017 11:29:44 AM	31518
4,6-Dinitro-2-methylphenol	ND	100	D	µg/L	1	5/5/2017 11:29:44 AM	31518
2,4-Dinitrophenol	ND	100	D	µg/L	1	5/5/2017 11:29:44 AM	31518

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
R	RPD outside accepted recovery limits	RL	Reporting Detection Limit
S	% Recovery outside of range due to dilution or matrix	W	Sample container temperature is out of limit as specified

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD
Client Sample ID: GW11103552-042717SVE1A
Project: WT-1
Collection Date: 4/27/2017 10:05:00 AM
Lab ID: 1705010-001
Matrix: AQUEOUS
Received Date: 4/29/2017 8:00:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8270C: SEMIVOLATILES						Analyst: **DAM**	
2,4-Dinitrotoluene	ND	50	D	µg/L	1	5/5/2017 11:29:44 AM	31518
2,6-Dinitrotoluene	ND	50	D	µg/L	1	5/5/2017 11:29:44 AM	31518
Fluoranthene	ND	50	D	µg/L	1	5/5/2017 11:29:44 AM	31518
Fluorene	ND	50	D	µg/L	1	5/5/2017 11:29:44 AM	31518
Hexachlorobenzene	ND	50	D	µg/L	1	5/5/2017 11:29:44 AM	31518
Hexachlorobutadiene	ND	50	D	µg/L	1	5/5/2017 11:29:44 AM	31518
Hexachlorocyclopentadiene	ND	50	D	µg/L	1	5/5/2017 11:29:44 AM	31518
Hexachloroethane	ND	50	D	µg/L	1	5/5/2017 11:29:44 AM	31518
Indeno(1,2,3-cd)pyrene	ND	50	D	µg/L	1	5/5/2017 11:29:44 AM	31518
Isophorone	ND	50	D	µg/L	1	5/5/2017 11:29:44 AM	31518
1-Methylnaphthalene	ND	50	D	µg/L	1	5/5/2017 11:29:44 AM	31518
2-Methylnaphthalene	ND	50	D	µg/L	1	5/5/2017 11:29:44 AM	31518
2-Methylphenol	ND	50	D	µg/L	1	5/5/2017 11:29:44 AM	31518
3+4-Methylphenol	ND	50	D	µg/L	1	5/5/2017 11:29:44 AM	31518
N-Nitrosodi-n-propylamine	ND	50	D	µg/L	1	5/5/2017 11:29:44 AM	31518
N-Nitrosodimethylamine	ND	50	D	µg/L	1	5/5/2017 11:29:44 AM	31518
N-Nitrosodiphenylamine	ND	50	D	µg/L	1	5/5/2017 11:29:44 AM	31518
Naphthalene	ND	50	D	µg/L	1	5/5/2017 11:29:44 AM	31518
2-Nitroaniline	ND	50	D	µg/L	1	5/5/2017 11:29:44 AM	31518
3-Nitroaniline	ND	50	D	µg/L	1	5/5/2017 11:29:44 AM	31518
4-Nitroaniline	ND	50	D	µg/L	1	5/5/2017 11:29:44 AM	31518
Nitrobenzene	ND	50	D	µg/L	1	5/5/2017 11:29:44 AM	31518
2-Nitrophenol	ND	50	D	µg/L	1	5/5/2017 11:29:44 AM	31518
4-Nitrophenol	ND	50	D	µg/L	1	5/5/2017 11:29:44 AM	31518
Pentachlorophenol	ND	100	D	µg/L	1	5/5/2017 11:29:44 AM	31518
Phenanthrene	ND	50	D	µg/L	1	5/5/2017 11:29:44 AM	31518
Phenol	ND	50	D	µg/L	1	5/5/2017 11:29:44 AM	31518
Pyrene	ND	50	D	µg/L	1	5/5/2017 11:29:44 AM	31518
Pyridine	ND	50	D	µg/L	1	5/5/2017 11:29:44 AM	31518
1,2,4-Trichlorobenzene	ND	50	D	µg/L	1	5/5/2017 11:29:44 AM	31518
2,4,5-Trichlorophenol	ND	50	D	µg/L	1	5/5/2017 11:29:44 AM	31518
2,4,6-Trichlorophenol	ND	50	D	µg/L	1	5/5/2017 11:29:44 AM	31518
Surr: 2-Fluorophenol	38.1	15-98.1	D	%Rec	1	5/5/2017 11:29:44 AM	31518
Surr: Phenol-d5	36.0	15-80.7	D	%Rec	1	5/5/2017 11:29:44 AM	31518
Surr: 2,4,6-Tribromophenol	55.6	15-112	D	%Rec	1	5/5/2017 11:29:44 AM	31518
Surr: Nitrobenzene-d5	73.7	27.2-90.7	D	%Rec	1	5/5/2017 11:29:44 AM	31518
Surr: 2-Fluorobiphenyl	71.2	23.3-85.6	D	%Rec	1	5/5/2017 11:29:44 AM	31518
Surr: 4-Terphenyl-d14	65.7	27.6-107	D	%Rec	1	5/5/2017 11:29:44 AM	31518
EPA METHOD 8260B: VOLATILES						Analyst: **DJF**	

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Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
R	RPD outside accepted recovery limits	RL	Reporting Detection Limit
S	% Recovery outside of range due to dilution or matrix	W	Sample container temperature is out of limit as specified

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD
Client Sample ID: GW11103552-042717SVE1A
Project: WT-1
Collection Date: 4/27/2017 10:05:00 AM
Lab ID: 1705010-001
Matrix: AQUEOUS
Received Date: 4/29/2017 8:00:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8260B: VOLATILES						Analyst: **DJF**	
Benzene	50	5.0		µg/L	5	5/2/2017 8:51:37 PM	D42503
Toluene	7.5	5.0		µg/L	5	5/2/2017 8:51:37 PM	D42503
Ethylbenzene	16	5.0		µg/L	5	5/2/2017 8:51:37 PM	D42503
Methyl tert-butyl ether (MTBE)	ND	5.0		µg/L	5	5/2/2017 8:51:37 PM	D42503
1,2,4-Trimethylbenzene	25	5.0		µg/L	5	5/2/2017 8:51:37 PM	D42503
1,3,5-Trimethylbenzene	15	5.0		µg/L	5	5/2/2017 8:51:37 PM	D42503
1,2-Dichloroethane (EDC)	ND	5.0		µg/L	5	5/2/2017 8:51:37 PM	D42503
1,2-Dibromoethane (EDB)	ND	5.0		µg/L	5	5/2/2017 8:51:37 PM	D42503
Naphthalene	14	10		µg/L	5	5/2/2017 8:51:37 PM	D42503
1-Methylnaphthalene	ND	20		µg/L	5	5/2/2017 8:51:37 PM	D42503
2-Methylnaphthalene	ND	20		µg/L	5	5/2/2017 8:51:37 PM	D42503
Acetone	ND	50		µg/L	5	5/2/2017 8:51:37 PM	D42503
Bromobenzene	ND	5.0		µg/L	5	5/2/2017 8:51:37 PM	D42503
Bromodichloromethane	ND	5.0		µg/L	5	5/2/2017 8:51:37 PM	D42503
Bromoform	ND	5.0		µg/L	5	5/2/2017 8:51:37 PM	D42503
Bromomethane	ND	15		µg/L	5	5/2/2017 8:51:37 PM	D42503
2-Butanone	ND	50		µg/L	5	5/2/2017 8:51:37 PM	D42503
Carbon disulfide	ND	50		µg/L	5	5/2/2017 8:51:37 PM	D42503
Carbon Tetrachloride	ND	5.0		µg/L	5	5/2/2017 8:51:37 PM	D42503
Chlorobenzene	ND	5.0		µg/L	5	5/2/2017 8:51:37 PM	D42503
Chloroethane	ND	10		µg/L	5	5/2/2017 8:51:37 PM	D42503
Chloroform	ND	5.0		µg/L	5	5/2/2017 8:51:37 PM	D42503
Chloromethane	ND	15		µg/L	5	5/2/2017 8:51:37 PM	D42503
2-Chlorotoluene	ND	5.0		µg/L	5	5/2/2017 8:51:37 PM	D42503
4-Chlorotoluene	ND	5.0		µg/L	5	5/2/2017 8:51:37 PM	D42503
cis-1,2-DCE	220	5.0		µg/L	5	5/2/2017 8:51:37 PM	D42503
cis-1,3-Dichloropropene	ND	5.0		µg/L	5	5/2/2017 8:51:37 PM	D42503
1,2-Dibromo-3-chloropropane	ND	10		µg/L	5	5/2/2017 8:51:37 PM	D42503
Dibromochloromethane	ND	5.0		µg/L	5	5/2/2017 8:51:37 PM	D42503
Dibromomethane	ND	5.0		µg/L	5	5/2/2017 8:51:37 PM	D42503
1,2-Dichlorobenzene	ND	5.0		µg/L	5	5/2/2017 8:51:37 PM	D42503
1,3-Dichlorobenzene	ND	5.0		µg/L	5	5/2/2017 8:51:37 PM	D42503
1,4-Dichlorobenzene	ND	5.0		µg/L	5	5/2/2017 8:51:37 PM	D42503
Dichlorodifluoromethane	ND	5.0		µg/L	5	5/2/2017 8:51:37 PM	D42503
1,1-Dichloroethane	240	5.0		µg/L	5	5/2/2017 8:51:37 PM	D42503
1,1-Dichloroethene	6.2	5.0		µg/L	5	5/2/2017 8:51:37 PM	D42503
1,2-Dichloropropane	ND	5.0		µg/L	5	5/2/2017 8:51:37 PM	D42503
1,3-Dichloropropane	ND	5.0		µg/L	5	5/2/2017 8:51:37 PM	D42503
2,2-Dichloropropane	ND	10		µg/L	5	5/2/2017 8:51:37 PM	D42503

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Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
R	RPD outside accepted recovery limits	RL	Reporting Detection Limit
S	% Recovery outside of range due to dilution or matrix	W	Sample container temperature is out of limit as specified

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD
Client Sample ID: GW11103552-042717SVE1A
Project: WT-1
Collection Date: 4/27/2017 10:05:00 AM
Lab ID: 1705010-001
Matrix: AQUEOUS
Received Date: 4/29/2017 8:00:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8260B: VOLATILES						Analyst: **DJF**	
1,1-Dichloropropene	ND	5.0		µg/L	5	5/2/2017 8:51:37 PM	D42503
Hexachlorobutadiene	ND	5.0		µg/L	5	5/2/2017 8:51:37 PM	D42503
2-Hexanone	ND	50		µg/L	5	5/2/2017 8:51:37 PM	D42503
Isopropylbenzene	ND	5.0		µg/L	5	5/2/2017 8:51:37 PM	D42503
4-Isopropyltoluene	ND	5.0		µg/L	5	5/2/2017 8:51:37 PM	D42503
4-Methyl-2-pentanone	ND	50		µg/L	5	5/2/2017 8:51:37 PM	D42503
Methylene Chloride	ND	15		µg/L	5	5/2/2017 8:51:37 PM	D42503
n-Butylbenzene	ND	15		µg/L	5	5/2/2017 8:51:37 PM	D42503
n-Propylbenzene	ND	5.0		µg/L	5	5/2/2017 8:51:37 PM	D42503
sec-Butylbenzene	ND	5.0		µg/L	5	5/2/2017 8:51:37 PM	D42503
Styrene	ND	5.0		µg/L	5	5/2/2017 8:51:37 PM	D42503
tert-Butylbenzene	ND	5.0		µg/L	5	5/2/2017 8:51:37 PM	D42503
1,1,1,2-Tetrachloroethane	ND	5.0		µg/L	5	5/2/2017 8:51:37 PM	D42503
1,1,2,2-Tetrachloroethane	ND	10		µg/L	5	5/2/2017 8:51:37 PM	D42503
Tetrachloroethene (PCE)	6.0	5.0		µg/L	5	5/2/2017 8:51:37 PM	D42503
trans-1,2-DCE	ND	5.0		µg/L	5	5/2/2017 8:51:37 PM	D42503
trans-1,3-Dichloropropene	ND	5.0		µg/L	5	5/2/2017 8:51:37 PM	D42503
1,2,3-Trichlorobenzene	ND	5.0		µg/L	5	5/2/2017 8:51:37 PM	D42503
1,2,4-Trichlorobenzene	ND	5.0		µg/L	5	5/2/2017 8:51:37 PM	D42503
1,1,1-Trichloroethane	ND	5.0		µg/L	5	5/2/2017 8:51:37 PM	D42503
1,1,2-Trichloroethane	ND	5.0		µg/L	5	5/2/2017 8:51:37 PM	D42503
Trichloroethene (TCE)	14	5.0		µg/L	5	5/2/2017 8:51:37 PM	D42503
Trichlorofluoromethane	ND	5.0		µg/L	5	5/2/2017 8:51:37 PM	D42503
1,2,3-Trichloropropane	ND	10		µg/L	5	5/2/2017 8:51:37 PM	D42503
Vinyl chloride	ND	5.0		µg/L	5	5/2/2017 8:51:37 PM	D42503
Xylenes, Total	17	7.5		µg/L	5	5/2/2017 8:51:37 PM	D42503
Surr: 1,2-Dichloroethane-d4	94.4	70-130		%Rec	5	5/2/2017 8:51:37 PM	D42503
Surr: 4-Bromofluorobenzene	98.6	70-130		%Rec	5	5/2/2017 8:51:37 PM	D42503
Surr: Dibromofluoromethane	100	70-130		%Rec	5	5/2/2017 8:51:37 PM	D42503
Surr: Toluene-d8	102	70-130		%Rec	5	5/2/2017 8:51:37 PM	D42503

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Qualifiers:

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D	Sample Diluted Due to Matrix	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
R	RPD outside accepted recovery limits	RL	Reporting Detection Limit
S	% Recovery outside of range due to dilution or matrix	W	Sample container temperature is out of limit as specified

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD
Client Sample ID: GW11103552-042517SVE-5
Project: WT-1
Collection Date: 4/25/2017 11:45:00 AM
Lab ID: 1705010-002
Matrix: AQUEOUS
Received Date: 4/29/2017 8:00:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analyst: **MRA**	
Sulfate	ND	2.5		mg/L	5	5/2/2017 3:58:34 PM	R42488
EPA METHOD 6010B: DISSOLVED METALS						Analyst: **MED**	
Iron	2.3	0.10		mg/L	5	5/3/2017 9:51:36 AM	A42510
EPA 6010B: TOTAL RECOVERABLE METALS						Analyst: **MED**	
Iron	30	2.5		mg/L	50	5/9/2017 11:50:52 AM	31602
EPA METHOD 8270C: SEMIVOLATILES						Analyst: **DAM**	
Acenaphthene	ND	50	D	µg/L	1	5/5/2017 11:57:31 AM	31518
Acenaphthylene	ND	50	D	µg/L	1	5/5/2017 11:57:31 AM	31518
Aniline	ND	50	D	µg/L	1	5/5/2017 11:57:31 AM	31518
Anthracene	ND	50	D	µg/L	1	5/5/2017 11:57:31 AM	31518
Azobenzene	ND	50	D	µg/L	1	5/5/2017 11:57:31 AM	31518
Benz(a)anthracene	ND	50	D	µg/L	1	5/5/2017 11:57:31 AM	31518
Benzo(a)pyrene	ND	50	D	µg/L	1	5/5/2017 11:57:31 AM	31518
Benzo(b)fluoranthene	ND	50	D	µg/L	1	5/5/2017 11:57:31 AM	31518
Benzo(g,h,i)perylene	ND	50	D	µg/L	1	5/5/2017 11:57:31 AM	31518
Benzo(k)fluoranthene	ND	50	D	µg/L	1	5/5/2017 11:57:31 AM	31518
Benzoic acid	ND	100	D	µg/L	1	5/5/2017 11:57:31 AM	31518
Benzyl alcohol	ND	50	D	µg/L	1	5/5/2017 11:57:31 AM	31518
Bis(2-chloroethoxy)methane	ND	50	D	µg/L	1	5/5/2017 11:57:31 AM	31518
Bis(2-chloroethyl)ether	ND	50	D	µg/L	1	5/5/2017 11:57:31 AM	31518
Bis(2-chloroisopropyl)ether	ND	50	D	µg/L	1	5/5/2017 11:57:31 AM	31518
Bis(2-ethylhexyl)phthalate	ND	50	D	µg/L	1	5/5/2017 11:57:31 AM	31518
4-Bromophenyl phenyl ether	ND	50	D	µg/L	1	5/5/2017 11:57:31 AM	31518
Butyl benzyl phthalate	ND	50	D	µg/L	1	5/5/2017 11:57:31 AM	31518
Carbazole	ND	50	D	µg/L	1	5/5/2017 11:57:31 AM	31518
4-Chloro-3-methylphenol	ND	50	D	µg/L	1	5/5/2017 11:57:31 AM	31518
4-Chloroaniline	ND	50	D	µg/L	1	5/5/2017 11:57:31 AM	31518
2-Chloronaphthalene	ND	50	D	µg/L	1	5/5/2017 11:57:31 AM	31518
2-Chlorophenol	ND	50	D	µg/L	1	5/5/2017 11:57:31 AM	31518
4-Chlorophenyl phenyl ether	ND	50	D	µg/L	1	5/5/2017 11:57:31 AM	31518
Chrysene	ND	50	D	µg/L	1	5/5/2017 11:57:31 AM	31518
Di-n-butyl phthalate	ND	50	D	µg/L	1	5/5/2017 11:57:31 AM	31518
Di-n-octyl phthalate	ND	50	D	µg/L	1	5/5/2017 11:57:31 AM	31518
Dibenz(a,h)anthracene	ND	50	D	µg/L	1	5/5/2017 11:57:31 AM	31518
Dibenzofuran	ND	50	D	µg/L	1	5/5/2017 11:57:31 AM	31518
1,2-Dichlorobenzene	ND	50	D	µg/L	1	5/5/2017 11:57:31 AM	31518
1,3-Dichlorobenzene	ND	50	D	µg/L	1	5/5/2017 11:57:31 AM	31518
1,4-Dichlorobenzene	ND	50	D	µg/L	1	5/5/2017 11:57:31 AM	31518

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
R	RPD outside accepted recovery limits	RL	Reporting Detection Limit
S	% Recovery outside of range due to dilution or matrix	W	Sample container temperature is out of limit as specified

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD
Client Sample ID: GW11103552-042517SVE-5
Project: WT-1
Collection Date: 4/25/2017 11:45:00 AM
Lab ID: 1705010-002
Matrix: AQUEOUS
Received Date: 4/29/2017 8:00:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8270C: SEMIVOLATILES						Analyst: **DAM**	
3,3´-Dichlorobenzidine	ND	50	D	µg/L	1	5/5/2017 11:57:31 AM	31518
Diethyl phthalate	ND	50	D	µg/L	1	5/5/2017 11:57:31 AM	31518
Dimethyl phthalate	ND	50	D	µg/L	1	5/5/2017 11:57:31 AM	31518
2,4-Dichlorophenol	ND	100	D	µg/L	1	5/5/2017 11:57:31 AM	31518
2,4-Dimethylphenol	83	50	D	µg/L	1	5/5/2017 11:57:31 AM	31518
4,6-Dinitro-2-methylphenol	ND	100	D	µg/L	1	5/5/2017 11:57:31 AM	31518
2,4-Dinitrophenol	ND	100	D	µg/L	1	5/5/2017 11:57:31 AM	31518
2,4-Dinitrotoluene	ND	50	D	µg/L	1	5/5/2017 11:57:31 AM	31518
2,6-Dinitrotoluene	ND	50	D	µg/L	1	5/5/2017 11:57:31 AM	31518
Fluoranthene	ND	50	D	µg/L	1	5/5/2017 11:57:31 AM	31518
Fluorene	ND	50	D	µg/L	1	5/5/2017 11:57:31 AM	31518
Hexachlorobenzene	ND	50	D	µg/L	1	5/5/2017 11:57:31 AM	31518
Hexachlorobutadiene	ND	50	D	µg/L	1	5/5/2017 11:57:31 AM	31518
Hexachlorocyclopentadiene	ND	50	D	µg/L	1	5/5/2017 11:57:31 AM	31518
Hexachloroethane	ND	50	D	µg/L	1	5/5/2017 11:57:31 AM	31518
Indeno(1,2,3-cd)pyrene	ND	50	D	µg/L	1	5/5/2017 11:57:31 AM	31518
Isophorone	ND	50	D	µg/L	1	5/5/2017 11:57:31 AM	31518
1-Methylnaphthalene	ND	50	D	µg/L	1	5/5/2017 11:57:31 AM	31518
2-Methylnaphthalene	ND	50	D	µg/L	1	5/5/2017 11:57:31 AM	31518
2-Methylphenol	ND	50	D	µg/L	1	5/5/2017 11:57:31 AM	31518
3+4-Methylphenol	ND	50	D	µg/L	1	5/5/2017 11:57:31 AM	31518
N-Nitrosodi-n-propylamine	ND	50	D	µg/L	1	5/5/2017 11:57:31 AM	31518
N-Nitrosodimethylamine	ND	50	D	µg/L	1	5/5/2017 11:57:31 AM	31518
N-Nitrosodiphenylamine	ND	50	D	µg/L	1	5/5/2017 11:57:31 AM	31518
Naphthalene	ND	50	D	µg/L	1	5/5/2017 11:57:31 AM	31518
2-Nitroaniline	ND	50	D	µg/L	1	5/5/2017 11:57:31 AM	31518
3-Nitroaniline	ND	50	D	µg/L	1	5/5/2017 11:57:31 AM	31518
4-Nitroaniline	ND	50	D	µg/L	1	5/5/2017 11:57:31 AM	31518
Nitrobenzene	ND	50	D	µg/L	1	5/5/2017 11:57:31 AM	31518
2-Nitrophenol	ND	50	D	µg/L	1	5/5/2017 11:57:31 AM	31518
4-Nitrophenol	ND	50	D	µg/L	1	5/5/2017 11:57:31 AM	31518
Pentachlorophenol	ND	100	D	µg/L	1	5/5/2017 11:57:31 AM	31518
Phenanthrene	ND	50	D	µg/L	1	5/5/2017 11:57:31 AM	31518
Phenol	ND	50	D	µg/L	1	5/5/2017 11:57:31 AM	31518
Pyrene	ND	50	D	µg/L	1	5/5/2017 11:57:31 AM	31518
Pyridine	ND	50	D	µg/L	1	5/5/2017 11:57:31 AM	31518
1,2,4-Trichlorobenzene	ND	50	D	µg/L	1	5/5/2017 11:57:31 AM	31518
2,4,5-Trichlorophenol	ND	50	D	µg/L	1	5/5/2017 11:57:31 AM	31518
2,4,6-Trichlorophenol	ND	50	D	µg/L	1	5/5/2017 11:57:31 AM	31518

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
R	RPD outside accepted recovery limits	RL	Reporting Detection Limit
S	% Recovery outside of range due to dilution or matrix	W	Sample container temperature is out of limit as specified

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD
Client Sample ID: GW11103552-042517SVE-5
Project: WT-1
Collection Date: 4/25/2017 11:45:00 AM
Lab ID: 1705010-002
Matrix: AQUEOUS
Received Date: 4/29/2017 8:00:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8270C: SEMIVOLATILES						Analyst: **DAM**	
Surr: 2-Fluorophenol	39.4	15-98.1	D	%Rec	1	5/5/2017 11:57:31 AM	31518
Surr: Phenol-d5	28.9	15-80.7	D	%Rec	1	5/5/2017 11:57:31 AM	31518
Surr: 2,4,6-Tribromophenol	54.7	15-112	D	%Rec	1	5/5/2017 11:57:31 AM	31518
Surr: Nitrobenzene-d5	57.6	27.2-90.7	D	%Rec	1	5/5/2017 11:57:31 AM	31518
Surr: 2-Fluorobiphenyl	50.5	23.3-85.6	D	%Rec	1	5/5/2017 11:57:31 AM	31518
Surr: 4-Terphenyl-d14	46.1	27.6-107	D	%Rec	1	5/5/2017 11:57:31 AM	31518
EPA METHOD 8260B: VOLATILES						Analyst: **DJF**	
Benzene	1400	100		µg/L	100	5/3/2017 1:09:30 AM	D42503
Toluene	ND	10		µg/L	10	5/3/2017 1:37:56 AM	D42503
Ethylbenzene	140	10		µg/L	10	5/3/2017 1:37:56 AM	D42503
Methyl tert-butyl ether (MTBE)	ND	10		µg/L	10	5/3/2017 1:37:56 AM	D42503
1,2,4-Trimethylbenzene	590	10		µg/L	10	5/3/2017 1:37:56 AM	D42503
1,3,5-Trimethylbenzene	37	10		µg/L	10	5/3/2017 1:37:56 AM	D42503
1,2-Dichloroethane (EDC)	ND	10		µg/L	10	5/3/2017 1:37:56 AM	D42503
1,2-Dibromoethane (EDB)	ND	10		µg/L	10	5/3/2017 1:37:56 AM	D42503
Naphthalene	40	20		µg/L	10	5/3/2017 1:37:56 AM	D42503
1-Methylnaphthalene	ND	40		µg/L	10	5/3/2017 1:37:56 AM	D42503
2-Methylnaphthalene	ND	40		µg/L	10	5/3/2017 1:37:56 AM	D42503
Acetone	ND	100		µg/L	10	5/3/2017 1:37:56 AM	D42503
Bromobenzene	ND	10		µg/L	10	5/3/2017 1:37:56 AM	D42503
Bromodichloromethane	ND	10		µg/L	10	5/3/2017 1:37:56 AM	D42503
Bromoform	ND	10		µg/L	10	5/3/2017 1:37:56 AM	D42503
Bromomethane	ND	30		µg/L	10	5/3/2017 1:37:56 AM	D42503
2-Butanone	ND	100		µg/L	10	5/3/2017 1:37:56 AM	D42503
Carbon disulfide	ND	100		µg/L	10	5/3/2017 1:37:56 AM	D42503
Carbon Tetrachloride	ND	10		µg/L	10	5/3/2017 1:37:56 AM	D42503
Chlorobenzene	ND	10		µg/L	10	5/3/2017 1:37:56 AM	D42503
Chloroethane	ND	20		µg/L	10	5/3/2017 1:37:56 AM	D42503
Chloroform	ND	10		µg/L	10	5/3/2017 1:37:56 AM	D42503
Chloromethane	ND	30		µg/L	10	5/3/2017 1:37:56 AM	D42503
2-Chlorotoluene	ND	10		µg/L	10	5/3/2017 1:37:56 AM	D42503
4-Chlorotoluene	ND	10		µg/L	10	5/3/2017 1:37:56 AM	D42503
cis-1,2-DCE	ND	10		µg/L	10	5/3/2017 1:37:56 AM	D42503
cis-1,3-Dichloropropene	ND	10		µg/L	10	5/3/2017 1:37:56 AM	D42503
1,2-Dibromo-3-chloropropane	ND	20		µg/L	10	5/3/2017 1:37:56 AM	D42503
Dibromochloromethane	ND	10		µg/L	10	5/3/2017 1:37:56 AM	D42503
Dibromomethane	ND	10		µg/L	10	5/3/2017 1:37:56 AM	D42503
1,2-Dichlorobenzene	ND	10		µg/L	10	5/3/2017 1:37:56 AM	D42503
1,3-Dichlorobenzene	ND	10		µg/L	10	5/3/2017 1:37:56 AM	D42503

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Qualifiers:

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ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
R	RPD outside accepted recovery limits	RL	Reporting Detection Limit
S	% Recovery outside of range due to dilution or matrix	W	Sample container temperature is out of limit as specified

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD
Client Sample ID: GW11103552-042517SVE-5
Project: WT-1
Collection Date: 4/25/2017 11:45:00 AM
Lab ID: 1705010-002
Matrix: AQUEOUS
Received Date: 4/29/2017 8:00:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8260B: VOLATILES						Analyst: **DJF**	
1,4-Dichlorobenzene	ND	10		µg/L	10	5/3/2017 1:37:56 AM	D42503
Dichlorodifluoromethane	ND	10		µg/L	10	5/3/2017 1:37:56 AM	D42503
1,1-Dichloroethane	ND	10		µg/L	10	5/3/2017 1:37:56 AM	D42503
1,1-Dichloroethene	ND	10		µg/L	10	5/3/2017 1:37:56 AM	D42503
1,2-Dichloropropane	ND	10		µg/L	10	5/3/2017 1:37:56 AM	D42503
1,3-Dichloropropane	ND	10		µg/L	10	5/3/2017 1:37:56 AM	D42503
2,2-Dichloropropane	ND	20		µg/L	10	5/3/2017 1:37:56 AM	D42503
1,1-Dichloropropene	ND	10		µg/L	10	5/3/2017 1:37:56 AM	D42503
Hexachlorobutadiene	ND	10		µg/L	10	5/3/2017 1:37:56 AM	D42503
2-Hexanone	ND	100		µg/L	10	5/3/2017 1:37:56 AM	D42503
Isopropylbenzene	44	10		µg/L	10	5/3/2017 1:37:56 AM	D42503
4-Isopropyltoluene	20	10		µg/L	10	5/3/2017 1:37:56 AM	D42503
4-Methyl-2-pentanone	ND	100		µg/L	10	5/3/2017 1:37:56 AM	D42503
Methylene Chloride	ND	30		µg/L	10	5/3/2017 1:37:56 AM	D42503
n-Butylbenzene	ND	30		µg/L	10	5/3/2017 1:37:56 AM	D42503
n-Propylbenzene	64	10		µg/L	10	5/3/2017 1:37:56 AM	D42503
sec-Butylbenzene	21	10		µg/L	10	5/3/2017 1:37:56 AM	D42503
Styrene	ND	10		µg/L	10	5/3/2017 1:37:56 AM	D42503
tert-Butylbenzene	ND	10		µg/L	10	5/3/2017 1:37:56 AM	D42503
1,1,1,2-Tetrachloroethane	ND	10		µg/L	10	5/3/2017 1:37:56 AM	D42503
1,1,2,2-Tetrachloroethane	ND	20		µg/L	10	5/3/2017 1:37:56 AM	D42503
Tetrachloroethene (PCE)	ND	10		µg/L	10	5/3/2017 1:37:56 AM	D42503
trans-1,2-DCE	ND	10		µg/L	10	5/3/2017 1:37:56 AM	D42503
trans-1,3-Dichloropropene	ND	10		µg/L	10	5/3/2017 1:37:56 AM	D42503
1,2,3-Trichlorobenzene	ND	10		µg/L	10	5/3/2017 1:37:56 AM	D42503
1,2,4-Trichlorobenzene	ND	10		µg/L	10	5/3/2017 1:37:56 AM	D42503
1,1,1-Trichloroethane	ND	10		µg/L	10	5/3/2017 1:37:56 AM	D42503
1,1,2-Trichloroethane	ND	10		µg/L	10	5/3/2017 1:37:56 AM	D42503
Trichloroethene (TCE)	ND	10		µg/L	10	5/3/2017 1:37:56 AM	D42503
Trichlorofluoromethane	ND	10		µg/L	10	5/3/2017 1:37:56 AM	D42503
1,2,3-Trichloropropane	ND	20		µg/L	10	5/3/2017 1:37:56 AM	D42503
Vinyl chloride	ND	10		µg/L	10	5/3/2017 1:37:56 AM	D42503
Xylenes, Total	810	15		µg/L	10	5/3/2017 1:37:56 AM	D42503
Surr: 1,2-Dichloroethane-d4	91.2	70-130		%Rec	10	5/3/2017 1:37:56 AM	D42503
Surr: 4-Bromofluorobenzene	98.7	70-130		%Rec	10	5/3/2017 1:37:56 AM	D42503
Surr: Dibromofluoromethane	93.9	70-130		%Rec	10	5/3/2017 1:37:56 AM	D42503
Surr: Toluene-d8	101	70-130		%Rec	10	5/3/2017 1:37:56 AM	D42503

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Qualifiers:

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D	Sample Diluted Due to Matrix	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
R	RPD outside accepted recovery limits	RL	Reporting Detection Limit
S	% Recovery outside of range due to dilution or matrix	W	Sample container temperature is out of limit as specified

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD
Client Sample ID: GW11103552-042517SVE-7
Project: WT-1
Collection Date: 4/25/2017 3:30:00 PM
Lab ID: 1705010-003
Matrix: AQUEOUS
Received Date: 4/29/2017 8:00:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analyst: **MRA**	
Sulfate	680	10	*	mg/L	20	5/2/2017 4:35:48 PM	R42488
EPA METHOD 8270C: SEMIVOLATILES						Analyst: **DAM**	
Acenaphthene	ND	10		µg/L	1	5/5/2017 12:25:27 PM	31518
Acenaphthylene	ND	10		µg/L	1	5/5/2017 12:25:27 PM	31518
Aniline	ND	10		µg/L	1	5/5/2017 12:25:27 PM	31518
Anthracene	ND	10		µg/L	1	5/5/2017 12:25:27 PM	31518
Azobenzene	ND	10		µg/L	1	5/5/2017 12:25:27 PM	31518
Benz(a)anthracene	ND	10		µg/L	1	5/5/2017 12:25:27 PM	31518
Benzo(a)pyrene	ND	10		µg/L	1	5/5/2017 12:25:27 PM	31518
Benzo(b)fluoranthene	ND	10		µg/L	1	5/5/2017 12:25:27 PM	31518
Benzo(g,h,i)perylene	ND	10		µg/L	1	5/5/2017 12:25:27 PM	31518
Benzo(k)fluoranthene	ND	10		µg/L	1	5/5/2017 12:25:27 PM	31518
Benzoic acid	ND	20		µg/L	1	5/5/2017 12:25:27 PM	31518
Benzyl alcohol	ND	10		µg/L	1	5/5/2017 12:25:27 PM	31518
Bis(2-chloroethoxy)methane	ND	10		µg/L	1	5/5/2017 12:25:27 PM	31518
Bis(2-chloroethyl)ether	ND	10		µg/L	1	5/5/2017 12:25:27 PM	31518
Bis(2-chloroisopropyl)ether	ND	10		µg/L	1	5/5/2017 12:25:27 PM	31518
Bis(2-ethylhexyl)phthalate	ND	10		µg/L	1	5/5/2017 12:25:27 PM	31518
4-Bromophenyl phenyl ether	ND	10		µg/L	1	5/5/2017 12:25:27 PM	31518
Butyl benzyl phthalate	ND	10		µg/L	1	5/5/2017 12:25:27 PM	31518
Carbazole	ND	10		µg/L	1	5/5/2017 12:25:27 PM	31518
4-Chloro-3-methylphenol	ND	10		µg/L	1	5/5/2017 12:25:27 PM	31518
4-Chloroaniline	ND	10		µg/L	1	5/5/2017 12:25:27 PM	31518
2-Chloronaphthalene	ND	10		µg/L	1	5/5/2017 12:25:27 PM	31518
2-Chlorophenol	ND	10		µg/L	1	5/5/2017 12:25:27 PM	31518
4-Chlorophenyl phenyl ether	ND	10		µg/L	1	5/5/2017 12:25:27 PM	31518
Chrysene	ND	10		µg/L	1	5/5/2017 12:25:27 PM	31518
Di-n-butyl phthalate	ND	10		µg/L	1	5/5/2017 12:25:27 PM	31518
Di-n-octyl phthalate	ND	10		µg/L	1	5/5/2017 12:25:27 PM	31518
Dibenz(a,h)anthracene	ND	10		µg/L	1	5/5/2017 12:25:27 PM	31518
Dibenzofuran	ND	10		µg/L	1	5/5/2017 12:25:27 PM	31518
1,2-Dichlorobenzene	ND	10		µg/L	1	5/5/2017 12:25:27 PM	31518
1,3-Dichlorobenzene	ND	10		µg/L	1	5/5/2017 12:25:27 PM	31518
1,4-Dichlorobenzene	ND	10		µg/L	1	5/5/2017 12:25:27 PM	31518
3,3´-Dichlorobenzidine	ND	10		µg/L	1	5/5/2017 12:25:27 PM	31518
Diethyl phthalate	ND	10		µg/L	1	5/5/2017 12:25:27 PM	31518
Dimethyl phthalate	ND	10		µg/L	1	5/5/2017 12:25:27 PM	31518
2,4-Dichlorophenol	ND	20		µg/L	1	5/5/2017 12:25:27 PM	31518
2,4-Dimethylphenol	ND	10		µg/L	1	5/5/2017 12:25:27 PM	31518

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Qualifiers:

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D	Sample Diluted Due to Matrix	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
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Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD
Client Sample ID: GW11103552-042517SVE-7
Project: WT-1
Collection Date: 4/25/2017 3:30:00 PM
Lab ID: 1705010-003
Matrix: AQUEOUS
Received Date: 4/29/2017 8:00:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8270C: SEMIVOLATILES						Analyst: **DAM**	
4,6-Dinitro-2-methylphenol	ND	20		µg/L	1	5/5/2017 12:25:27 PM	31518
2,4-Dinitrophenol	ND	20		µg/L	1	5/5/2017 12:25:27 PM	31518
2,4-Dinitrotoluene	ND	10		µg/L	1	5/5/2017 12:25:27 PM	31518
2,6-Dinitrotoluene	ND	10		µg/L	1	5/5/2017 12:25:27 PM	31518
Fluoranthene	ND	10		µg/L	1	5/5/2017 12:25:27 PM	31518
Fluorene	ND	10		µg/L	1	5/5/2017 12:25:27 PM	31518
Hexachlorobenzene	ND	10		µg/L	1	5/5/2017 12:25:27 PM	31518
Hexachlorobutadiene	ND	10		µg/L	1	5/5/2017 12:25:27 PM	31518
Hexachlorocyclopentadiene	ND	10		µg/L	1	5/5/2017 12:25:27 PM	31518
Hexachloroethane	ND	10		µg/L	1	5/5/2017 12:25:27 PM	31518
Indeno(1,2,3-cd)pyrene	ND	10		µg/L	1	5/5/2017 12:25:27 PM	31518
Isophorone	ND	10		µg/L	1	5/5/2017 12:25:27 PM	31518
1-Methylnaphthalene	ND	10		µg/L	1	5/5/2017 12:25:27 PM	31518
2-Methylnaphthalene	ND	10		µg/L	1	5/5/2017 12:25:27 PM	31518
2-Methylphenol	ND	10		µg/L	1	5/5/2017 12:25:27 PM	31518
3+4-Methylphenol	ND	10		µg/L	1	5/5/2017 12:25:27 PM	31518
N-Nitrosodi-n-propylamine	ND	10		µg/L	1	5/5/2017 12:25:27 PM	31518
N-Nitrosodimethylamine	ND	10		µg/L	1	5/5/2017 12:25:27 PM	31518
N-Nitrosodiphenylamine	ND	10		µg/L	1	5/5/2017 12:25:27 PM	31518
Naphthalene	ND	10		µg/L	1	5/5/2017 12:25:27 PM	31518
2-Nitroaniline	ND	10		µg/L	1	5/5/2017 12:25:27 PM	31518
3-Nitroaniline	ND	10		µg/L	1	5/5/2017 12:25:27 PM	31518
4-Nitroaniline	ND	10		µg/L	1	5/5/2017 12:25:27 PM	31518
Nitrobenzene	ND	10		µg/L	1	5/5/2017 12:25:27 PM	31518
2-Nitrophenol	ND	10		µg/L	1	5/5/2017 12:25:27 PM	31518
4-Nitrophenol	ND	10		µg/L	1	5/5/2017 12:25:27 PM	31518
Pentachlorophenol	ND	20		µg/L	1	5/5/2017 12:25:27 PM	31518
Phenanthrene	ND	10		µg/L	1	5/5/2017 12:25:27 PM	31518
Phenol	ND	10		µg/L	1	5/5/2017 12:25:27 PM	31518
Pyrene	ND	10		µg/L	1	5/5/2017 12:25:27 PM	31518
Pyridine	ND	10		µg/L	1	5/5/2017 12:25:27 PM	31518
1,2,4-Trichlorobenzene	ND	10		µg/L	1	5/5/2017 12:25:27 PM	31518
2,4,5-Trichlorophenol	ND	10		µg/L	1	5/5/2017 12:25:27 PM	31518
2,4,6-Trichlorophenol	ND	10		µg/L	1	5/5/2017 12:25:27 PM	31518
Surr: 2-Fluorophenol	47.1	15-98.1		%Rec	1	5/5/2017 12:25:27 PM	31518
Surr: Phenol-d5	33.8	15-80.7		%Rec	1	5/5/2017 12:25:27 PM	31518
Surr: 2,4,6-Tribromophenol	69.8	15-112		%Rec	1	5/5/2017 12:25:27 PM	31518
Surr: Nitrobenzene-d5	70.0	27.2-90.7		%Rec	1	5/5/2017 12:25:27 PM	31518
Surr: 2-Fluorobiphenyl	73.4	23.3-85.6		%Rec	1	5/5/2017 12:25:27 PM	31518

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Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
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H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
R	RPD outside accepted recovery limits	RL	Reporting Detection Limit
S	% Recovery outside of range due to dilution or matrix	W	Sample container temperature is out of limit as specified

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD
Client Sample ID: GW11103552-042517SVE-7
Project: WT-1
Collection Date: 4/25/2017 3:30:00 PM
Lab ID: 1705010-003
Matrix: AQUEOUS
Received Date: 4/29/2017 8:00:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8270C: SEMIVOLATILES						Analyst: **DAM**	
Surr: 4-Terphenyl-d14	63.1	27.6-107		%Rec	1	5/5/2017 12:25:27 PM	31518
EPA METHOD 8260B: VOLATILES						Analyst: **DJF**	
Benzene	15	1.0		µg/L	1	5/3/2017 2:06:27 AM	D42503
Toluene	ND	1.0		µg/L	1	5/3/2017 2:06:27 AM	D42503
Ethylbenzene	ND	1.0		µg/L	1	5/3/2017 2:06:27 AM	D42503
Methyl tert-butyl ether (MTBE)	ND	1.0		µg/L	1	5/3/2017 2:06:27 AM	D42503
1,2,4-Trimethylbenzene	ND	1.0		µg/L	1	5/3/2017 2:06:27 AM	D42503
1,3,5-Trimethylbenzene	ND	1.0		µg/L	1	5/3/2017 2:06:27 AM	D42503
1,2-Dichloroethane (EDC)	ND	1.0		µg/L	1	5/3/2017 2:06:27 AM	D42503
1,2-Dibromoethane (EDB)	ND	1.0		µg/L	1	5/3/2017 2:06:27 AM	D42503
Naphthalene	ND	2.0		µg/L	1	5/3/2017 2:06:27 AM	D42503
1-Methylnaphthalene	ND	4.0		µg/L	1	5/3/2017 2:06:27 AM	D42503
2-Methylnaphthalene	ND	4.0		µg/L	1	5/3/2017 2:06:27 AM	D42503
Acetone	ND	10		µg/L	1	5/3/2017 2:06:27 AM	D42503
Bromobenzene	ND	1.0		µg/L	1	5/3/2017 2:06:27 AM	D42503
Bromodichloromethane	ND	1.0		µg/L	1	5/3/2017 2:06:27 AM	D42503
Bromoform	ND	1.0		µg/L	1	5/3/2017 2:06:27 AM	D42503
Bromomethane	ND	3.0		µg/L	1	5/3/2017 2:06:27 AM	D42503
2-Butanone	ND	10		µg/L	1	5/3/2017 2:06:27 AM	D42503
Carbon disulfide	ND	10		µg/L	1	5/3/2017 2:06:27 AM	D42503
Carbon Tetrachloride	ND	1.0		µg/L	1	5/3/2017 2:06:27 AM	D42503
Chlorobenzene	ND	1.0		µg/L	1	5/3/2017 2:06:27 AM	D42503
Chloroethane	ND	2.0		µg/L	1	5/3/2017 2:06:27 AM	D42503
Chloroform	ND	1.0		µg/L	1	5/3/2017 2:06:27 AM	D42503
Chloromethane	ND	3.0		µg/L	1	5/3/2017 2:06:27 AM	D42503
2-Chlorotoluene	ND	1.0		µg/L	1	5/3/2017 2:06:27 AM	D42503
4-Chlorotoluene	ND	1.0		µg/L	1	5/3/2017 2:06:27 AM	D42503
cis-1,2-DCE	ND	1.0		µg/L	1	5/3/2017 2:06:27 AM	D42503
cis-1,3-Dichloropropene	ND	1.0		µg/L	1	5/3/2017 2:06:27 AM	D42503
1,2-Dibromo-3-chloropropane	ND	2.0		µg/L	1	5/3/2017 2:06:27 AM	D42503
Dibromochloromethane	ND	1.0		µg/L	1	5/3/2017 2:06:27 AM	D42503
Dibromomethane	ND	1.0		µg/L	1	5/3/2017 2:06:27 AM	D42503
1,2-Dichlorobenzene	ND	1.0		µg/L	1	5/3/2017 2:06:27 AM	D42503
1,3-Dichlorobenzene	ND	1.0		µg/L	1	5/3/2017 2:06:27 AM	D42503
1,4-Dichlorobenzene	ND	1.0		µg/L	1	5/3/2017 2:06:27 AM	D42503
Dichlorodifluoromethane	ND	1.0		µg/L	1	5/3/2017 2:06:27 AM	D42503
1,1-Dichloroethane	ND	1.0		µg/L	1	5/3/2017 2:06:27 AM	D42503
1,1-Dichloroethene	ND	1.0		µg/L	1	5/3/2017 2:06:27 AM	D42503
1,2-Dichloropropane	ND	1.0		µg/L	1	5/3/2017 2:06:27 AM	D42503

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
R	RPD outside accepted recovery limits	RL	Reporting Detection Limit
S	% Recovery outside of range due to dilution or matrix	W	Sample container temperature is out of limit as specified

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD
Client Sample ID: GW11103552-042517SVE-7
Project: WT-1
Collection Date: 4/25/2017 3:30:00 PM
Lab ID: 1705010-003
Matrix: AQUEOUS
Received Date: 4/29/2017 8:00:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8260B: VOLATILES						Analyst: **DJF**	
1,3-Dichloropropane	ND	1.0		µg/L	1	5/3/2017 2:06:27 AM	D42503
2,2-Dichloropropane	ND	2.0		µg/L	1	5/3/2017 2:06:27 AM	D42503
1,1-Dichloropropene	ND	1.0		µg/L	1	5/3/2017 2:06:27 AM	D42503
Hexachlorobutadiene	ND	1.0		µg/L	1	5/3/2017 2:06:27 AM	D42503
2-Hexanone	ND	10		µg/L	1	5/3/2017 2:06:27 AM	D42503
Isopropylbenzene	ND	1.0		µg/L	1	5/3/2017 2:06:27 AM	D42503
4-Isopropyltoluene	ND	1.0		µg/L	1	5/3/2017 2:06:27 AM	D42503
4-Methyl-2-pentanone	ND	10		µg/L	1	5/3/2017 2:06:27 AM	D42503
Methylene Chloride	ND	3.0		µg/L	1	5/3/2017 2:06:27 AM	D42503
n-Butylbenzene	ND	3.0		µg/L	1	5/3/2017 2:06:27 AM	D42503
n-Propylbenzene	ND	1.0		µg/L	1	5/3/2017 2:06:27 AM	D42503
sec-Butylbenzene	ND	1.0		µg/L	1	5/3/2017 2:06:27 AM	D42503
Styrene	ND	1.0		µg/L	1	5/3/2017 2:06:27 AM	D42503
tert-Butylbenzene	ND	1.0		µg/L	1	5/3/2017 2:06:27 AM	D42503
1,1,1,2-Tetrachloroethane	ND	1.0		µg/L	1	5/3/2017 2:06:27 AM	D42503
1,1,2,2-Tetrachloroethane	ND	2.0		µg/L	1	5/3/2017 2:06:27 AM	D42503
Tetrachloroethene (PCE)	ND	1.0		µg/L	1	5/3/2017 2:06:27 AM	D42503
trans-1,2-DCE	ND	1.0		µg/L	1	5/3/2017 2:06:27 AM	D42503
trans-1,3-Dichloropropene	ND	1.0		µg/L	1	5/3/2017 2:06:27 AM	D42503
1,2,3-Trichlorobenzene	ND	1.0		µg/L	1	5/3/2017 2:06:27 AM	D42503
1,2,4-Trichlorobenzene	ND	1.0		µg/L	1	5/3/2017 2:06:27 AM	D42503
1,1,1-Trichloroethane	ND	1.0		µg/L	1	5/3/2017 2:06:27 AM	D42503
1,1,2-Trichloroethane	ND	1.0		µg/L	1	5/3/2017 2:06:27 AM	D42503
Trichloroethene (TCE)	ND	1.0		µg/L	1	5/3/2017 2:06:27 AM	D42503
Trichlorofluoromethane	ND	1.0		µg/L	1	5/3/2017 2:06:27 AM	D42503
1,2,3-Trichloropropane	ND	2.0		µg/L	1	5/3/2017 2:06:27 AM	D42503
Vinyl chloride	ND	1.0		µg/L	1	5/3/2017 2:06:27 AM	D42503
Xylenes, Total	ND	1.5		µg/L	1	5/3/2017 2:06:27 AM	D42503
Surr: 1,2-Dichloroethane-d4	94.1	70-130		%Rec	1	5/3/2017 2:06:27 AM	D42503
Surr: 4-Bromofluorobenzene	98.0	70-130		%Rec	1	5/3/2017 2:06:27 AM	D42503
Surr: Dibromofluoromethane	97.2	70-130		%Rec	1	5/3/2017 2:06:27 AM	D42503
Surr: Toluene-d8	102	70-130		%Rec	1	5/3/2017 2:06:27 AM	D42503

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Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
R	RPD outside accepted recovery limits	RL	Reporting Detection Limit
S	% Recovery outside of range due to dilution or matrix	W	Sample container temperature is out of limit as specified

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD
Client Sample ID: GW11103552-042517SVE-8
Project: WT-1
Collection Date: 4/25/2017 10:55:00 AM
Lab ID: 1705010-004
Matrix: AQUEOUS
Received Date: 4/29/2017 8:00:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analyst: **MRA**	
Sulfate	990	10	*	mg/L	20	5/2/2017 5:00:38 PM	R42488
EPA METHOD 6010B: DISSOLVED METALS						Analyst: **MED**	
Iron	ND	0.020		mg/L	1	5/3/2017 9:36:31 AM	A42510
EPA 6010B: TOTAL RECOVERABLE METALS						Analyst: **MED**	
Iron	ND	0.050		mg/L	1	5/9/2017 11:31:02 AM	31602
EPA METHOD 8270C: SEMIVOLATILES						Analyst: **DAM**	
Acenaphthene	ND	10		µg/L	1	5/5/2017 12:53:31 PM	31518
Acenaphthylene	ND	10		µg/L	1	5/5/2017 12:53:31 PM	31518
Aniline	ND	10		µg/L	1	5/5/2017 12:53:31 PM	31518
Anthracene	ND	10		µg/L	1	5/5/2017 12:53:31 PM	31518
Azobenzene	ND	10		µg/L	1	5/5/2017 12:53:31 PM	31518
Benz(a)anthracene	ND	10		µg/L	1	5/5/2017 12:53:31 PM	31518
Benzo(a)pyrene	ND	10		µg/L	1	5/5/2017 12:53:31 PM	31518
Benzo(b)fluoranthene	ND	10		µg/L	1	5/5/2017 12:53:31 PM	31518
Benzo(g,h,i)perylene	ND	10		µg/L	1	5/5/2017 12:53:31 PM	31518
Benzo(k)fluoranthene	ND	10		µg/L	1	5/5/2017 12:53:31 PM	31518
Benzoic acid	ND	20		µg/L	1	5/5/2017 12:53:31 PM	31518
Benzyl alcohol	ND	10		µg/L	1	5/5/2017 12:53:31 PM	31518
Bis(2-chloroethoxy)methane	ND	10		µg/L	1	5/5/2017 12:53:31 PM	31518
Bis(2-chloroethyl)ether	ND	10		µg/L	1	5/5/2017 12:53:31 PM	31518
Bis(2-chloroisopropyl)ether	ND	10		µg/L	1	5/5/2017 12:53:31 PM	31518
Bis(2-ethylhexyl)phthalate	ND	10		µg/L	1	5/5/2017 12:53:31 PM	31518
4-Bromophenyl phenyl ether	ND	10		µg/L	1	5/5/2017 12:53:31 PM	31518
Butyl benzyl phthalate	ND	10		µg/L	1	5/5/2017 12:53:31 PM	31518
Carbazole	ND	10		µg/L	1	5/5/2017 12:53:31 PM	31518
4-Chloro-3-methylphenol	ND	10		µg/L	1	5/5/2017 12:53:31 PM	31518
4-Chloroaniline	ND	10		µg/L	1	5/5/2017 12:53:31 PM	31518
2-Chloronaphthalene	ND	10		µg/L	1	5/5/2017 12:53:31 PM	31518
2-Chlorophenol	ND	10		µg/L	1	5/5/2017 12:53:31 PM	31518
4-Chlorophenyl phenyl ether	ND	10		µg/L	1	5/5/2017 12:53:31 PM	31518
Chrysene	ND	10		µg/L	1	5/5/2017 12:53:31 PM	31518
Di-n-butyl phthalate	ND	10		µg/L	1	5/5/2017 12:53:31 PM	31518
Di-n-octyl phthalate	ND	10		µg/L	1	5/5/2017 12:53:31 PM	31518
Dibenz(a,h)anthracene	ND	10		µg/L	1	5/5/2017 12:53:31 PM	31518
Dibenzofuran	ND	10		µg/L	1	5/5/2017 12:53:31 PM	31518
1,2-Dichlorobenzene	ND	10		µg/L	1	5/5/2017 12:53:31 PM	31518
1,3-Dichlorobenzene	ND	10		µg/L	1	5/5/2017 12:53:31 PM	31518
1,4-Dichlorobenzene	ND	10		µg/L	1	5/5/2017 12:53:31 PM	31518

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Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
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S	% Recovery outside of range due to dilution or matrix	W	Sample container temperature is out of limit as specified

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD
Client Sample ID: GW11103552-042517SVE-8
Project: WT-1
Collection Date: 4/25/2017 10:55:00 AM
Lab ID: 1705010-004
Matrix: AQUEOUS
Received Date: 4/29/2017 8:00:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8270C: SEMIVOLATILES						Analyst: **DAM**	
3,3´-Dichlorobenzidine	ND	10		µg/L	1	5/5/2017 12:53:31 PM	31518
Diethyl phthalate	ND	10		µg/L	1	5/5/2017 12:53:31 PM	31518
Dimethyl phthalate	ND	10		µg/L	1	5/5/2017 12:53:31 PM	31518
2,4-Dichlorophenol	ND	20		µg/L	1	5/5/2017 12:53:31 PM	31518
2,4-Dimethylphenol	ND	10		µg/L	1	5/5/2017 12:53:31 PM	31518
4,6-Dinitro-2-methylphenol	ND	20		µg/L	1	5/5/2017 12:53:31 PM	31518
2,4-Dinitrophenol	ND	20		µg/L	1	5/5/2017 12:53:31 PM	31518
2,4-Dinitrotoluene	ND	10		µg/L	1	5/5/2017 12:53:31 PM	31518
2,6-Dinitrotoluene	ND	10		µg/L	1	5/5/2017 12:53:31 PM	31518
Fluoranthene	ND	10		µg/L	1	5/5/2017 12:53:31 PM	31518
Fluorene	ND	10		µg/L	1	5/5/2017 12:53:31 PM	31518
Hexachlorobenzene	ND	10		µg/L	1	5/5/2017 12:53:31 PM	31518
Hexachlorobutadiene	ND	10		µg/L	1	5/5/2017 12:53:31 PM	31518
Hexachlorocyclopentadiene	ND	10		µg/L	1	5/5/2017 12:53:31 PM	31518
Hexachloroethane	ND	10		µg/L	1	5/5/2017 12:53:31 PM	31518
Indeno(1,2,3-cd)pyrene	ND	10		µg/L	1	5/5/2017 12:53:31 PM	31518
Isophorone	ND	10		µg/L	1	5/5/2017 12:53:31 PM	31518
1-Methylnaphthalene	ND	10		µg/L	1	5/5/2017 12:53:31 PM	31518
2-Methylnaphthalene	ND	10		µg/L	1	5/5/2017 12:53:31 PM	31518
2-Methylphenol	ND	10		µg/L	1	5/5/2017 12:53:31 PM	31518
3+4-Methylphenol	ND	10		µg/L	1	5/5/2017 12:53:31 PM	31518
N-Nitrosodi-n-propylamine	ND	10		µg/L	1	5/5/2017 12:53:31 PM	31518
N-Nitrosodimethylamine	ND	10		µg/L	1	5/5/2017 12:53:31 PM	31518
N-Nitrosodiphenylamine	ND	10		µg/L	1	5/5/2017 12:53:31 PM	31518
Naphthalene	ND	10		µg/L	1	5/5/2017 12:53:31 PM	31518
2-Nitroaniline	ND	10		µg/L	1	5/5/2017 12:53:31 PM	31518
3-Nitroaniline	ND	10		µg/L	1	5/5/2017 12:53:31 PM	31518
4-Nitroaniline	ND	10		µg/L	1	5/5/2017 12:53:31 PM	31518
Nitrobenzene	ND	10		µg/L	1	5/5/2017 12:53:31 PM	31518
2-Nitrophenol	ND	10		µg/L	1	5/5/2017 12:53:31 PM	31518
4-Nitrophenol	ND	10		µg/L	1	5/5/2017 12:53:31 PM	31518
Pentachlorophenol	ND	20		µg/L	1	5/5/2017 12:53:31 PM	31518
Phenanthrene	ND	10		µg/L	1	5/5/2017 12:53:31 PM	31518
Phenol	ND	10		µg/L	1	5/5/2017 12:53:31 PM	31518
Pyrene	ND	10		µg/L	1	5/5/2017 12:53:31 PM	31518
Pyridine	ND	10		µg/L	1	5/5/2017 12:53:31 PM	31518
1,2,4-Trichlorobenzene	ND	10		µg/L	1	5/5/2017 12:53:31 PM	31518
2,4,5-Trichlorophenol	ND	10		µg/L	1	5/5/2017 12:53:31 PM	31518
2,4,6-Trichlorophenol	ND	10		µg/L	1	5/5/2017 12:53:31 PM	31518

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
R	RPD outside accepted recovery limits	RL	Reporting Detection Limit
S	% Recovery outside of range due to dilution or matrix	W	Sample container temperature is out of limit as specified

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD
Client Sample ID: GW11103552-042517SVE-8
Project: WT-1
Collection Date: 4/25/2017 10:55:00 AM
Lab ID: 1705010-004
Matrix: AQUEOUS
Received Date: 4/29/2017 8:00:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8270C: SEMIVOLATILES						Analyst: **DAM**	
Surr: 2-Fluorophenol	42.8	15-98.1		%Rec	1	5/5/2017 12:53:31 PM	31518
Surr: Phenol-d5	31.6	15-80.7		%Rec	1	5/5/2017 12:53:31 PM	31518
Surr: 2,4,6-Tribromophenol	54.5	15-112		%Rec	1	5/5/2017 12:53:31 PM	31518
Surr: Nitrobenzene-d5	62.0	27.2-90.7		%Rec	1	5/5/2017 12:53:31 PM	31518
Surr: 2-Fluorobiphenyl	54.4	23.3-85.6		%Rec	1	5/5/2017 12:53:31 PM	31518
Surr: 4-Terphenyl-d14	51.3	27.6-107		%Rec	1	5/5/2017 12:53:31 PM	31518
EPA METHOD 8260B: VOLATILES						Analyst: **DJF**	
Benzene	ND	1.0		µg/L	1	5/3/2017 2:35:17 AM	D42503
Toluene	ND	1.0		µg/L	1	5/3/2017 2:35:17 AM	D42503
Ethylbenzene	ND	1.0		µg/L	1	5/3/2017 2:35:17 AM	D42503
Methyl tert-butyl ether (MTBE)	ND	1.0		µg/L	1	5/3/2017 2:35:17 AM	D42503
1,2,4-Trimethylbenzene	ND	1.0		µg/L	1	5/3/2017 2:35:17 AM	D42503
1,3,5-Trimethylbenzene	ND	1.0		µg/L	1	5/3/2017 2:35:17 AM	D42503
1,2-Dichloroethane (EDC)	ND	1.0		µg/L	1	5/3/2017 2:35:17 AM	D42503
1,2-Dibromoethane (EDB)	ND	1.0		µg/L	1	5/3/2017 2:35:17 AM	D42503
Naphthalene	ND	2.0		µg/L	1	5/3/2017 2:35:17 AM	D42503
1-Methylnaphthalene	ND	4.0		µg/L	1	5/3/2017 2:35:17 AM	D42503
2-Methylnaphthalene	ND	4.0		µg/L	1	5/3/2017 2:35:17 AM	D42503
Acetone	ND	10		µg/L	1	5/3/2017 2:35:17 AM	D42503
Bromobenzene	ND	1.0		µg/L	1	5/3/2017 2:35:17 AM	D42503
Bromodichloromethane	ND	1.0		µg/L	1	5/3/2017 2:35:17 AM	D42503
Bromoform	ND	1.0		µg/L	1	5/3/2017 2:35:17 AM	D42503
Bromomethane	ND	3.0		µg/L	1	5/3/2017 2:35:17 AM	D42503
2-Butanone	ND	10		µg/L	1	5/3/2017 2:35:17 AM	D42503
Carbon disulfide	ND	10		µg/L	1	5/3/2017 2:35:17 AM	D42503
Carbon Tetrachloride	ND	1.0		µg/L	1	5/3/2017 2:35:17 AM	D42503
Chlorobenzene	ND	1.0		µg/L	1	5/3/2017 2:35:17 AM	D42503
Chloroethane	ND	2.0		µg/L	1	5/3/2017 2:35:17 AM	D42503
Chloroform	ND	1.0		µg/L	1	5/3/2017 2:35:17 AM	D42503
Chloromethane	ND	3.0		µg/L	1	5/3/2017 2:35:17 AM	D42503
2-Chlorotoluene	ND	1.0		µg/L	1	5/3/2017 2:35:17 AM	D42503
4-Chlorotoluene	ND	1.0		µg/L	1	5/3/2017 2:35:17 AM	D42503
cis-1,2-DCE	ND	1.0		µg/L	1	5/3/2017 2:35:17 AM	D42503
cis-1,3-Dichloropropene	ND	1.0		µg/L	1	5/3/2017 2:35:17 AM	D42503
1,2-Dibromo-3-chloropropane	ND	2.0		µg/L	1	5/3/2017 2:35:17 AM	D42503
Dibromochloromethane	ND	1.0		µg/L	1	5/3/2017 2:35:17 AM	D42503
Dibromomethane	ND	1.0		µg/L	1	5/3/2017 2:35:17 AM	D42503
1,2-Dichlorobenzene	ND	1.0		µg/L	1	5/3/2017 2:35:17 AM	D42503
1,3-Dichlorobenzene	ND	1.0		µg/L	1	5/3/2017 2:35:17 AM	D42503

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
R	RPD outside accepted recovery limits	RL	Reporting Detection Limit
S	% Recovery outside of range due to dilution or matrix	W	Sample container temperature is out of limit as specified

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD
Client Sample ID: GW11103552-042517SVE-8
Project: WT-1
Collection Date: 4/25/2017 10:55:00 AM
Lab ID: 1705010-004
Matrix: AQUEOUS
Received Date: 4/29/2017 8:00:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8260B: VOLATILES						Analyst: **DJF**	
1,4-Dichlorobenzene	ND	1.0		µg/L	1	5/3/2017 2:35:17 AM	D42503
Dichlorodifluoromethane	ND	1.0		µg/L	1	5/3/2017 2:35:17 AM	D42503
1,1-Dichloroethane	ND	1.0		µg/L	1	5/3/2017 2:35:17 AM	D42503
1,1-Dichloroethene	ND	1.0		µg/L	1	5/3/2017 2:35:17 AM	D42503
1,2-Dichloropropane	ND	1.0		µg/L	1	5/3/2017 2:35:17 AM	D42503
1,3-Dichloropropane	ND	1.0		µg/L	1	5/3/2017 2:35:17 AM	D42503
2,2-Dichloropropane	ND	2.0		µg/L	1	5/3/2017 2:35:17 AM	D42503
1,1-Dichloropropene	ND	1.0		µg/L	1	5/3/2017 2:35:17 AM	D42503
Hexachlorobutadiene	ND	1.0		µg/L	1	5/3/2017 2:35:17 AM	D42503
2-Hexanone	ND	10		µg/L	1	5/3/2017 2:35:17 AM	D42503
Isopropylbenzene	ND	1.0		µg/L	1	5/3/2017 2:35:17 AM	D42503
4-Isopropyltoluene	ND	1.0		µg/L	1	5/3/2017 2:35:17 AM	D42503
4-Methyl-2-pentanone	ND	10		µg/L	1	5/3/2017 2:35:17 AM	D42503
Methylene Chloride	ND	3.0		µg/L	1	5/3/2017 2:35:17 AM	D42503
n-Butylbenzene	ND	3.0		µg/L	1	5/3/2017 2:35:17 AM	D42503
n-Propylbenzene	ND	1.0		µg/L	1	5/3/2017 2:35:17 AM	D42503
sec-Butylbenzene	ND	1.0		µg/L	1	5/3/2017 2:35:17 AM	D42503
Styrene	ND	1.0		µg/L	1	5/3/2017 2:35:17 AM	D42503
tert-Butylbenzene	ND	1.0		µg/L	1	5/3/2017 2:35:17 AM	D42503
1,1,1,2-Tetrachloroethane	ND	1.0		µg/L	1	5/3/2017 2:35:17 AM	D42503
1,1,2,2-Tetrachloroethane	ND	2.0		µg/L	1	5/3/2017 2:35:17 AM	D42503
Tetrachloroethene (PCE)	ND	1.0		µg/L	1	5/3/2017 2:35:17 AM	D42503
trans-1,2-DCE	ND	1.0		µg/L	1	5/3/2017 2:35:17 AM	D42503
trans-1,3-Dichloropropene	ND	1.0		µg/L	1	5/3/2017 2:35:17 AM	D42503
1,2,3-Trichlorobenzene	ND	1.0		µg/L	1	5/3/2017 2:35:17 AM	D42503
1,2,4-Trichlorobenzene	ND	1.0		µg/L	1	5/3/2017 2:35:17 AM	D42503
1,1,1-Trichloroethane	ND	1.0		µg/L	1	5/3/2017 2:35:17 AM	D42503
1,1,2-Trichloroethane	ND	1.0		µg/L	1	5/3/2017 2:35:17 AM	D42503
Trichloroethene (TCE)	ND	1.0		µg/L	1	5/3/2017 2:35:17 AM	D42503
Trichlorofluoromethane	ND	1.0		µg/L	1	5/3/2017 2:35:17 AM	D42503
1,2,3-Trichloropropane	ND	2.0		µg/L	1	5/3/2017 2:35:17 AM	D42503
Vinyl chloride	ND	1.0		µg/L	1	5/3/2017 2:35:17 AM	D42503
Xylenes, Total	ND	1.5		µg/L	1	5/3/2017 2:35:17 AM	D42503
Surr: 1,2-Dichloroethane-d4	94.7	70-130		%Rec	1	5/3/2017 2:35:17 AM	D42503
Surr: 4-Bromofluorobenzene	99.3	70-130		%Rec	1	5/3/2017 2:35:17 AM	D42503
Surr: Dibromofluoromethane	95.9	70-130		%Rec	1	5/3/2017 2:35:17 AM	D42503
Surr: Toluene-d8	105	70-130		%Rec	1	5/3/2017 2:35:17 AM	D42503

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
R	RPD outside accepted recovery limits	RL	Reporting Detection Limit
S	% Recovery outside of range due to dilution or matrix	W	Sample container temperature is out of limit as specified

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD
Client Sample ID: GW11103552-042617SVE-9
Project: WT-1
Collection Date: 4/26/2017 10:50:00 AM
Lab ID: 1705010-005
Matrix: AQUEOUS
Received Date: 4/29/2017 8:00:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8270C: SEMIVOLATILES						Analyst: **DAM**	
Acenaphthene	ND	50	D	µg/L	1	5/5/2017 1:21:12 PM	31518
Acenaphthylene	ND	50	D	µg/L	1	5/5/2017 1:21:12 PM	31518
Aniline	ND	50	D	µg/L	1	5/5/2017 1:21:12 PM	31518
Anthracene	ND	50	D	µg/L	1	5/5/2017 1:21:12 PM	31518
Azobenzene	ND	50	D	µg/L	1	5/5/2017 1:21:12 PM	31518
Benz(a)anthracene	ND	50	D	µg/L	1	5/5/2017 1:21:12 PM	31518
Benzo(a)pyrene	ND	50	D	µg/L	1	5/5/2017 1:21:12 PM	31518
Benzo(b)fluoranthene	ND	50	D	µg/L	1	5/5/2017 1:21:12 PM	31518
Benzo(g,h,i)perylene	ND	50	D	µg/L	1	5/5/2017 1:21:12 PM	31518
Benzo(k)fluoranthene	ND	50	D	µg/L	1	5/5/2017 1:21:12 PM	31518
Benzoic acid	ND	100	D	µg/L	1	5/5/2017 1:21:12 PM	31518
Benzyl alcohol	ND	50	D	µg/L	1	5/5/2017 1:21:12 PM	31518
Bis(2-chloroethoxy)methane	ND	50	D	µg/L	1	5/5/2017 1:21:12 PM	31518
Bis(2-chloroethyl)ether	ND	50	D	µg/L	1	5/5/2017 1:21:12 PM	31518
Bis(2-chloroisopropyl)ether	ND	50	D	µg/L	1	5/5/2017 1:21:12 PM	31518
Bis(2-ethylhexyl)phthalate	ND	50	D	µg/L	1	5/5/2017 1:21:12 PM	31518
4-Bromophenyl phenyl ether	ND	50	D	µg/L	1	5/5/2017 1:21:12 PM	31518
Butyl benzyl phthalate	ND	50	D	µg/L	1	5/5/2017 1:21:12 PM	31518
Carbazole	ND	50	D	µg/L	1	5/5/2017 1:21:12 PM	31518
4-Chloro-3-methylphenol	ND	50	D	µg/L	1	5/5/2017 1:21:12 PM	31518
4-Chloroaniline	ND	50	D	µg/L	1	5/5/2017 1:21:12 PM	31518
2-Chloronaphthalene	ND	50	D	µg/L	1	5/5/2017 1:21:12 PM	31518
2-Chlorophenol	ND	50	D	µg/L	1	5/5/2017 1:21:12 PM	31518
4-Chlorophenyl phenyl ether	ND	50	D	µg/L	1	5/5/2017 1:21:12 PM	31518
Chrysene	ND	50	D	µg/L	1	5/5/2017 1:21:12 PM	31518
Di-n-butyl phthalate	ND	50	D	µg/L	1	5/5/2017 1:21:12 PM	31518
Di-n-octyl phthalate	ND	50	D	µg/L	1	5/5/2017 1:21:12 PM	31518
Dibenz(a,h)anthracene	ND	50	D	µg/L	1	5/5/2017 1:21:12 PM	31518
Dibenzofuran	ND	50	D	µg/L	1	5/5/2017 1:21:12 PM	31518
1,2-Dichlorobenzene	ND	50	D	µg/L	1	5/5/2017 1:21:12 PM	31518
1,3-Dichlorobenzene	ND	50	D	µg/L	1	5/5/2017 1:21:12 PM	31518
1,4-Dichlorobenzene	ND	50	D	µg/L	1	5/5/2017 1:21:12 PM	31518
3,3´-Dichlorobenzidine	ND	50	D	µg/L	1	5/5/2017 1:21:12 PM	31518
Diethyl phthalate	ND	50	D	µg/L	1	5/5/2017 1:21:12 PM	31518
Dimethyl phthalate	ND	50	D	µg/L	1	5/5/2017 1:21:12 PM	31518
2,4-Dichlorophenol	ND	100	D	µg/L	1	5/5/2017 1:21:12 PM	31518
2,4-Dimethylphenol	ND	50	D	µg/L	1	5/5/2017 1:21:12 PM	31518
4,6-Dinitro-2-methylphenol	ND	100	D	µg/L	1	5/5/2017 1:21:12 PM	31518
2,4-Dinitrophenol	ND	100	D	µg/L	1	5/5/2017 1:21:12 PM	31518

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
R	RPD outside accepted recovery limits	RL	Reporting Detection Limit
S	% Recovery outside of range due to dilution or matrix	W	Sample container temperature is out of limit as specified

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD
Client Sample ID: GW11103552-042617SVE-9
Project: WT-1
Collection Date: 4/26/2017 10:50:00 AM
Lab ID: 1705010-005
Matrix: AQUEOUS
Received Date: 4/29/2017 8:00:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8270C: SEMIVOLATILES						Analyst: **DAM**	
2,4-Dinitrotoluene	ND	50	D	µg/L	1	5/5/2017 1:21:12 PM	31518
2,6-Dinitrotoluene	ND	50	D	µg/L	1	5/5/2017 1:21:12 PM	31518
Fluoranthene	ND	50	D	µg/L	1	5/5/2017 1:21:12 PM	31518
Fluorene	ND	50	D	µg/L	1	5/5/2017 1:21:12 PM	31518
Hexachlorobenzene	ND	50	D	µg/L	1	5/5/2017 1:21:12 PM	31518
Hexachlorobutadiene	ND	50	D	µg/L	1	5/5/2017 1:21:12 PM	31518
Hexachlorocyclopentadiene	ND	50	D	µg/L	1	5/5/2017 1:21:12 PM	31518
Hexachloroethane	ND	50	D	µg/L	1	5/5/2017 1:21:12 PM	31518
Indeno(1,2,3-cd)pyrene	ND	50	D	µg/L	1	5/5/2017 1:21:12 PM	31518
Isophorone	ND	50	D	µg/L	1	5/5/2017 1:21:12 PM	31518
1-Methylnaphthalene	ND	50	D	µg/L	1	5/5/2017 1:21:12 PM	31518
2-Methylnaphthalene	ND	50	D	µg/L	1	5/5/2017 1:21:12 PM	31518
2-Methylphenol	ND	50	D	µg/L	1	5/5/2017 1:21:12 PM	31518
3+4-Methylphenol	ND	50	D	µg/L	1	5/5/2017 1:21:12 PM	31518
N-Nitrosodi-n-propylamine	ND	50	D	µg/L	1	5/5/2017 1:21:12 PM	31518
N-Nitrosodimethylamine	ND	50	D	µg/L	1	5/5/2017 1:21:12 PM	31518
N-Nitrosodiphenylamine	ND	50	D	µg/L	1	5/5/2017 1:21:12 PM	31518
Naphthalene	ND	50	D	µg/L	1	5/5/2017 1:21:12 PM	31518
2-Nitroaniline	ND	50	D	µg/L	1	5/5/2017 1:21:12 PM	31518
3-Nitroaniline	ND	50	D	µg/L	1	5/5/2017 1:21:12 PM	31518
4-Nitroaniline	ND	50	D	µg/L	1	5/5/2017 1:21:12 PM	31518
Nitrobenzene	ND	50	D	µg/L	1	5/5/2017 1:21:12 PM	31518
2-Nitrophenol	ND	50	D	µg/L	1	5/5/2017 1:21:12 PM	31518
4-Nitrophenol	ND	50	D	µg/L	1	5/5/2017 1:21:12 PM	31518
Pentachlorophenol	ND	100	D	µg/L	1	5/5/2017 1:21:12 PM	31518
Phenanthrene	ND	50	D	µg/L	1	5/5/2017 1:21:12 PM	31518
Phenol	ND	50	D	µg/L	1	5/5/2017 1:21:12 PM	31518
Pyrene	ND	50	D	µg/L	1	5/5/2017 1:21:12 PM	31518
Pyridine	ND	50	D	µg/L	1	5/5/2017 1:21:12 PM	31518
1,2,4-Trichlorobenzene	ND	50	D	µg/L	1	5/5/2017 1:21:12 PM	31518
2,4,5-Trichlorophenol	ND	50	D	µg/L	1	5/5/2017 1:21:12 PM	31518
2,4,6-Trichlorophenol	ND	50	D	µg/L	1	5/5/2017 1:21:12 PM	31518
Surr: 2-Fluorophenol	19.2	15-98.1	D	%Rec	1	5/5/2017 1:21:12 PM	31518
Surr: Phenol-d5	21.0	15-80.7	D	%Rec	1	5/5/2017 1:21:12 PM	31518
Surr: 2,4,6-Tribromophenol	49.2	15-112	D	%Rec	1	5/5/2017 1:21:12 PM	31518
Surr: Nitrobenzene-d5	44.1	27.2-90.7	D	%Rec	1	5/5/2017 1:21:12 PM	31518
Surr: 2-Fluorobiphenyl	47.3	23.3-85.6	D	%Rec	1	5/5/2017 1:21:12 PM	31518
Surr: 4-Terphenyl-d14	63.1	27.6-107	D	%Rec	1	5/5/2017 1:21:12 PM	31518
EPA METHOD 8260B: VOLATILES						Analyst: **DJF**	

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
R	RPD outside accepted recovery limits	RL	Reporting Detection Limit
S	% Recovery outside of range due to dilution or matrix	W	Sample container temperature is out of limit as specified

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD
Client Sample ID: GW11103552-042617SVE-9
Project: WT-1
Collection Date: 4/26/2017 10:50:00 AM
Lab ID: 1705010-005
Matrix: AQUEOUS
Received Date: 4/29/2017 8:00:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8260B: VOLATILES						Analyst: **DJF**	
Benzene	17	1.0		µg/L	1	5/3/2017 3:03:53 AM	D42503
Toluene	4.0	1.0		µg/L	1	5/3/2017 3:03:53 AM	D42503
Ethylbenzene	ND	1.0		µg/L	1	5/3/2017 3:03:53 AM	D42503
Methyl tert-butyl ether (MTBE)	ND	1.0		µg/L	1	5/3/2017 3:03:53 AM	D42503
1,2,4-Trimethylbenzene	ND	1.0		µg/L	1	5/3/2017 3:03:53 AM	D42503
1,3,5-Trimethylbenzene	ND	1.0		µg/L	1	5/3/2017 3:03:53 AM	D42503
1,2-Dichloroethane (EDC)	ND	1.0		µg/L	1	5/3/2017 3:03:53 AM	D42503
1,2-Dibromoethane (EDB)	ND	1.0		µg/L	1	5/3/2017 3:03:53 AM	D42503
Naphthalene	ND	2.0		µg/L	1	5/3/2017 3:03:53 AM	D42503
1-Methylnaphthalene	ND	4.0		µg/L	1	5/3/2017 3:03:53 AM	D42503
2-Methylnaphthalene	ND	4.0		µg/L	1	5/3/2017 3:03:53 AM	D42503
Acetone	85	10		µg/L	1	5/3/2017 3:03:53 AM	D42503
Bromobenzene	ND	1.0		µg/L	1	5/3/2017 3:03:53 AM	D42503
Bromodichloromethane	ND	1.0		µg/L	1	5/3/2017 3:03:53 AM	D42503
Bromoform	1.1	1.0		µg/L	1	5/3/2017 3:03:53 AM	D42503
Bromomethane	ND	3.0		µg/L	1	5/3/2017 3:03:53 AM	D42503
2-Butanone	ND	10		µg/L	1	5/3/2017 3:03:53 AM	D42503
Carbon disulfide	ND	10		µg/L	1	5/3/2017 3:03:53 AM	D42503
Carbon Tetrachloride	ND	1.0		µg/L	1	5/3/2017 3:03:53 AM	D42503
Chlorobenzene	ND	1.0		µg/L	1	5/3/2017 3:03:53 AM	D42503
Chloroethane	ND	2.0		µg/L	1	5/3/2017 3:03:53 AM	D42503
Chloroform	ND	1.0		µg/L	1	5/3/2017 3:03:53 AM	D42503
Chloromethane	ND	3.0		µg/L	1	5/3/2017 3:03:53 AM	D42503
2-Chlorotoluene	ND	1.0		µg/L	1	5/3/2017 3:03:53 AM	D42503
4-Chlorotoluene	ND	1.0		µg/L	1	5/3/2017 3:03:53 AM	D42503
cis-1,2-DCE	ND	1.0		µg/L	1	5/3/2017 3:03:53 AM	D42503
cis-1,3-Dichloropropene	ND	1.0		µg/L	1	5/3/2017 3:03:53 AM	D42503
1,2-Dibromo-3-chloropropane	ND	2.0		µg/L	1	5/3/2017 3:03:53 AM	D42503
Dibromochloromethane	ND	1.0		µg/L	1	5/3/2017 3:03:53 AM	D42503
Dibromomethane	3.1	1.0		µg/L	1	5/3/2017 3:03:53 AM	D42503
1,2-Dichlorobenzene	ND	1.0		µg/L	1	5/3/2017 3:03:53 AM	D42503
1,3-Dichlorobenzene	ND	1.0		µg/L	1	5/3/2017 3:03:53 AM	D42503
1,4-Dichlorobenzene	ND	1.0		µg/L	1	5/3/2017 3:03:53 AM	D42503
Dichlorodifluoromethane	ND	1.0		µg/L	1	5/3/2017 3:03:53 AM	D42503
1,1-Dichloroethane	ND	1.0		µg/L	1	5/3/2017 3:03:53 AM	D42503
1,1-Dichloroethene	ND	1.0		µg/L	1	5/3/2017 3:03:53 AM	D42503
1,2-Dichloropropane	ND	1.0		µg/L	1	5/3/2017 3:03:53 AM	D42503
1,3-Dichloropropane	ND	1.0		µg/L	1	5/3/2017 3:03:53 AM	D42503
2,2-Dichloropropane	ND	2.0		µg/L	1	5/3/2017 3:03:53 AM	D42503

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
R	RPD outside accepted recovery limits	RL	Reporting Detection Limit
S	% Recovery outside of range due to dilution or matrix	W	Sample container temperature is out of limit as specified

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD
Client Sample ID: GW11103552-042617SVE-9
Project: WT-1
Collection Date: 4/26/2017 10:50:00 AM
Lab ID: 1705010-005
Matrix: AQUEOUS
Received Date: 4/29/2017 8:00:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8260B: VOLATILES						Analyst: **DJF**	
1,1-Dichloropropene	ND	1.0		µg/L	1	5/3/2017 3:03:53 AM	D42503
Hexachlorobutadiene	ND	1.0		µg/L	1	5/3/2017 3:03:53 AM	D42503
2-Hexanone	ND	10		µg/L	1	5/3/2017 3:03:53 AM	D42503
Isopropylbenzene	ND	1.0		µg/L	1	5/3/2017 3:03:53 AM	D42503
4-Isopropyltoluene	ND	1.0		µg/L	1	5/3/2017 3:03:53 AM	D42503
4-Methyl-2-pentanone	ND	10		µg/L	1	5/3/2017 3:03:53 AM	D42503
Methylene Chloride	ND	3.0		µg/L	1	5/3/2017 3:03:53 AM	D42503
n-Butylbenzene	ND	3.0		µg/L	1	5/3/2017 3:03:53 AM	D42503
n-Propylbenzene	ND	1.0		µg/L	1	5/3/2017 3:03:53 AM	D42503
sec-Butylbenzene	ND	1.0		µg/L	1	5/3/2017 3:03:53 AM	D42503
Styrene	ND	1.0		µg/L	1	5/3/2017 3:03:53 AM	D42503
tert-Butylbenzene	ND	1.0		µg/L	1	5/3/2017 3:03:53 AM	D42503
1,1,1,2-Tetrachloroethane	ND	1.0		µg/L	1	5/3/2017 3:03:53 AM	D42503
1,1,2,2-Tetrachloroethane	ND	2.0		µg/L	1	5/3/2017 3:03:53 AM	D42503
Tetrachloroethene (PCE)	ND	1.0		µg/L	1	5/3/2017 3:03:53 AM	D42503
trans-1,2-DCE	ND	1.0		µg/L	1	5/3/2017 3:03:53 AM	D42503
trans-1,3-Dichloropropene	ND	1.0		µg/L	1	5/3/2017 3:03:53 AM	D42503
1,2,3-Trichlorobenzene	ND	1.0		µg/L	1	5/3/2017 3:03:53 AM	D42503
1,2,4-Trichlorobenzene	ND	1.0		µg/L	1	5/3/2017 3:03:53 AM	D42503
1,1,1-Trichloroethane	ND	1.0		µg/L	1	5/3/2017 3:03:53 AM	D42503
1,1,2-Trichloroethane	ND	1.0		µg/L	1	5/3/2017 3:03:53 AM	D42503
Trichloroethene (TCE)	ND	1.0		µg/L	1	5/3/2017 3:03:53 AM	D42503
Trichlorofluoromethane	ND	1.0		µg/L	1	5/3/2017 3:03:53 AM	D42503
1,2,3-Trichloropropane	ND	2.0		µg/L	1	5/3/2017 3:03:53 AM	D42503
Vinyl chloride	ND	1.0		µg/L	1	5/3/2017 3:03:53 AM	D42503
Xylenes, Total	12	1.5		µg/L	1	5/3/2017 3:03:53 AM	D42503
Surr: 1,2-Dichloroethane-d4	95.0	70-130		%Rec	1	5/3/2017 3:03:53 AM	D42503
Surr: 4-Bromofluorobenzene	102	70-130		%Rec	1	5/3/2017 3:03:53 AM	D42503
Surr: Dibromofluoromethane	95.4	70-130		%Rec	1	5/3/2017 3:03:53 AM	D42503
Surr: Toluene-d8	103	70-130		%Rec	1	5/3/2017 3:03:53 AM	D42503

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
R	RPD outside accepted recovery limits	RL	Reporting Detection Limit
S	% Recovery outside of range due to dilution or matrix	W	Sample container temperature is out of limit as specified

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD
Client Sample ID: GW11103552-042517SVE-13
Project: WT-1
Collection Date: 4/25/2017 12:30:00 PM
Lab ID: 1705010-007
Matrix: AQUEOUS
Received Date: 4/29/2017 8:00:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8270C: SEMIVOLATILES						Analyst: **DAM**	
Acenaphthene	ND	100	D	µg/L	1	5/5/2017 1:48:54 PM	31518
Acenaphthylene	ND	100	D	µg/L	1	5/5/2017 1:48:54 PM	31518
Aniline	ND	100	D	µg/L	1	5/5/2017 1:48:54 PM	31518
Anthracene	ND	100	D	µg/L	1	5/5/2017 1:48:54 PM	31518
Azobenzene	ND	100	D	µg/L	1	5/5/2017 1:48:54 PM	31518
Benz(a)anthracene	ND	100	D	µg/L	1	5/5/2017 1:48:54 PM	31518
Benzo(a)pyrene	ND	100	D	µg/L	1	5/5/2017 1:48:54 PM	31518
Benzo(b)fluoranthene	ND	100	D	µg/L	1	5/5/2017 1:48:54 PM	31518
Benzo(g,h,i)perylene	ND	100	D	µg/L	1	5/5/2017 1:48:54 PM	31518
Benzo(k)fluoranthene	ND	100	D	µg/L	1	5/5/2017 1:48:54 PM	31518
Benzoic acid	ND	200	D	µg/L	1	5/5/2017 1:48:54 PM	31518
Benzyl alcohol	ND	100	D	µg/L	1	5/5/2017 1:48:54 PM	31518
Bis(2-chloroethoxy)methane	ND	100	D	µg/L	1	5/5/2017 1:48:54 PM	31518
Bis(2-chloroethyl)ether	ND	100	D	µg/L	1	5/5/2017 1:48:54 PM	31518
Bis(2-chloroisopropyl)ether	ND	100	D	µg/L	1	5/5/2017 1:48:54 PM	31518
Bis(2-ethylhexyl)phthalate	ND	100	D	µg/L	1	5/5/2017 1:48:54 PM	31518
4-Bromophenyl phenyl ether	ND	100	D	µg/L	1	5/5/2017 1:48:54 PM	31518
Butyl benzyl phthalate	ND	100	D	µg/L	1	5/5/2017 1:48:54 PM	31518
Carbazole	ND	100	D	µg/L	1	5/5/2017 1:48:54 PM	31518
4-Chloro-3-methylphenol	ND	100	D	µg/L	1	5/5/2017 1:48:54 PM	31518
4-Chloroaniline	ND	100	D	µg/L	1	5/5/2017 1:48:54 PM	31518
2-Chloronaphthalene	ND	100	D	µg/L	1	5/5/2017 1:48:54 PM	31518
2-Chlorophenol	ND	100	D	µg/L	1	5/5/2017 1:48:54 PM	31518
4-Chlorophenyl phenyl ether	ND	100	D	µg/L	1	5/5/2017 1:48:54 PM	31518
Chrysene	ND	100	D	µg/L	1	5/5/2017 1:48:54 PM	31518
Di-n-butyl phthalate	ND	100	D	µg/L	1	5/5/2017 1:48:54 PM	31518
Di-n-octyl phthalate	ND	100	D	µg/L	1	5/5/2017 1:48:54 PM	31518
Dibenz(a,h)anthracene	ND	100	D	µg/L	1	5/5/2017 1:48:54 PM	31518
Dibenzofuran	ND	100	D	µg/L	1	5/5/2017 1:48:54 PM	31518
1,2-Dichlorobenzene	ND	100	D	µg/L	1	5/5/2017 1:48:54 PM	31518
1,3-Dichlorobenzene	ND	100	D	µg/L	1	5/5/2017 1:48:54 PM	31518
1,4-Dichlorobenzene	ND	100	D	µg/L	1	5/5/2017 1:48:54 PM	31518
3,3´-Dichlorobenzidine	ND	100	D	µg/L	1	5/5/2017 1:48:54 PM	31518
Diethyl phthalate	ND	100	D	µg/L	1	5/5/2017 1:48:54 PM	31518
Dimethyl phthalate	ND	100	D	µg/L	1	5/5/2017 1:48:54 PM	31518
2,4-Dichlorophenol	ND	200	D	µg/L	1	5/5/2017 1:48:54 PM	31518
2,4-Dimethylphenol	ND	100	D	µg/L	1	5/5/2017 1:48:54 PM	31518
4,6-Dinitro-2-methylphenol	ND	200	D	µg/L	1	5/5/2017 1:48:54 PM	31518
2,4-Dinitrophenol	ND	200	D	µg/L	1	5/5/2017 1:48:54 PM	31518

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
R	RPD outside accepted recovery limits	RL	Reporting Detection Limit
S	% Recovery outside of range due to dilution or matrix	W	Sample container temperature is out of limit as specified

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD
Client Sample ID: GW11103552-042517SVE-13
Project: WT-1
Collection Date: 4/25/2017 12:30:00 PM
Lab ID: 1705010-007
Matrix: AQUEOUS
Received Date: 4/29/2017 8:00:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8270C: SEMIVOLATILES						Analyst: **DAM**	
2,4-Dinitrotoluene	ND	100	D	µg/L	1	5/5/2017 1:48:54 PM	31518
2,6-Dinitrotoluene	ND	100	D	µg/L	1	5/5/2017 1:48:54 PM	31518
Fluoranthene	ND	100	D	µg/L	1	5/5/2017 1:48:54 PM	31518
Fluorene	ND	100	D	µg/L	1	5/5/2017 1:48:54 PM	31518
Hexachlorobenzene	ND	100	D	µg/L	1	5/5/2017 1:48:54 PM	31518
Hexachlorobutadiene	ND	100	D	µg/L	1	5/5/2017 1:48:54 PM	31518
Hexachlorocyclopentadiene	ND	100	D	µg/L	1	5/5/2017 1:48:54 PM	31518
Hexachloroethane	ND	100	D	µg/L	1	5/5/2017 1:48:54 PM	31518
Indeno(1,2,3-cd)pyrene	ND	100	D	µg/L	1	5/5/2017 1:48:54 PM	31518
Isophorone	ND	100	D	µg/L	1	5/5/2017 1:48:54 PM	31518
1-Methylnaphthalene	ND	100	D	µg/L	1	5/5/2017 1:48:54 PM	31518
2-Methylnaphthalene	ND	100	D	µg/L	1	5/5/2017 1:48:54 PM	31518
2-Methylphenol	ND	100	D	µg/L	1	5/5/2017 1:48:54 PM	31518
3+4-Methylphenol	ND	100	D	µg/L	1	5/5/2017 1:48:54 PM	31518
N-Nitrosodi-n-propylamine	ND	100	D	µg/L	1	5/5/2017 1:48:54 PM	31518
N-Nitrosodimethylamine	ND	100	D	µg/L	1	5/5/2017 1:48:54 PM	31518
N-Nitrosodiphenylamine	ND	100	D	µg/L	1	5/5/2017 1:48:54 PM	31518
Naphthalene	ND	100	D	µg/L	1	5/5/2017 1:48:54 PM	31518
2-Nitroaniline	ND	100	D	µg/L	1	5/5/2017 1:48:54 PM	31518
3-Nitroaniline	ND	100	D	µg/L	1	5/5/2017 1:48:54 PM	31518
4-Nitroaniline	ND	100	D	µg/L	1	5/5/2017 1:48:54 PM	31518
Nitrobenzene	ND	100	D	µg/L	1	5/5/2017 1:48:54 PM	31518
2-Nitrophenol	ND	100	D	µg/L	1	5/5/2017 1:48:54 PM	31518
4-Nitrophenol	ND	100	D	µg/L	1	5/5/2017 1:48:54 PM	31518
Pentachlorophenol	ND	200	D	µg/L	1	5/5/2017 1:48:54 PM	31518
Phenanthrene	ND	100	D	µg/L	1	5/5/2017 1:48:54 PM	31518
Phenol	ND	100	D	µg/L	1	5/5/2017 1:48:54 PM	31518
Pyrene	ND	100	D	µg/L	1	5/5/2017 1:48:54 PM	31518
Pyridine	ND	100	D	µg/L	1	5/5/2017 1:48:54 PM	31518
1,2,4-Trichlorobenzene	ND	100	D	µg/L	1	5/5/2017 1:48:54 PM	31518
2,4,5-Trichlorophenol	ND	100	D	µg/L	1	5/5/2017 1:48:54 PM	31518
2,4,6-Trichlorophenol	ND	100	D	µg/L	1	5/5/2017 1:48:54 PM	31518
Surr: 2-Fluorophenol	36.3	15-98.1	D	%Rec	1	5/5/2017 1:48:54 PM	31518
Surr: Phenol-d5	30.0	15-80.7	D	%Rec	1	5/5/2017 1:48:54 PM	31518
Surr: 2,4,6-Tribromophenol	74.4	15-112	D	%Rec	1	5/5/2017 1:48:54 PM	31518
Surr: Nitrobenzene-d5	51.2	27.2-90.7	D	%Rec	1	5/5/2017 1:48:54 PM	31518
Surr: 2-Fluorobiphenyl	57.8	23.3-85.6	D	%Rec	1	5/5/2017 1:48:54 PM	31518
Surr: 4-Terphenyl-d14	62.3	27.6-107	D	%Rec	1	5/5/2017 1:48:54 PM	31518
EPA METHOD 8260B: VOLATILES						Analyst: **DJF**	

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Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
R	RPD outside accepted recovery limits	RL	Reporting Detection Limit
S	% Recovery outside of range due to dilution or matrix	W	Sample container temperature is out of limit as specified

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD
Client Sample ID: GW11103552-042517SVE-13
Project: WT-1
Collection Date: 4/25/2017 12:30:00 PM
Lab ID: 1705010-007
Matrix: AQUEOUS
Received Date: 4/29/2017 8:00:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8260B: VOLATILES						Analyst: **DJF**	
Benzene	3300	200		µg/L	200	5/3/2017 5:01:29 PM	W42531
Toluene	ND	2.0		µg/L	2	5/3/2017 4:00:43 AM	D42503
Ethylbenzene	290	20		µg/L	20	5/3/2017 3:32:15 AM	D42503
Methyl tert-butyl ether (MTBE)	ND	2.0		µg/L	2	5/3/2017 4:00:43 AM	D42503
1,2,4-Trimethylbenzene	330	20		µg/L	20	5/3/2017 3:32:15 AM	D42503
1,3,5-Trimethylbenzene	120	2.0		µg/L	2	5/3/2017 4:00:43 AM	D42503
1,2-Dichloroethane (EDC)	ND	2.0		µg/L	2	5/3/2017 4:00:43 AM	D42503
1,2-Dibromoethane (EDB)	ND	2.0		µg/L	2	5/3/2017 4:00:43 AM	D42503
Naphthalene	54	4.0		µg/L	2	5/3/2017 4:00:43 AM	D42503
1-Methylnaphthalene	25	8.0		µg/L	2	5/3/2017 4:00:43 AM	D42503
2-Methylnaphthalene	36	8.0		µg/L	2	5/3/2017 4:00:43 AM	D42503
Acetone	ND	20		µg/L	2	5/3/2017 4:00:43 AM	D42503
Bromobenzene	ND	2.0		µg/L	2	5/3/2017 4:00:43 AM	D42503
Bromodichloromethane	ND	2.0		µg/L	2	5/3/2017 4:00:43 AM	D42503
Bromoform	ND	2.0		µg/L	2	5/3/2017 4:00:43 AM	D42503
Bromomethane	ND	6.0		µg/L	2	5/3/2017 4:00:43 AM	D42503
2-Butanone	ND	20		µg/L	2	5/3/2017 4:00:43 AM	D42503
Carbon disulfide	ND	20		µg/L	2	5/3/2017 4:00:43 AM	D42503
Carbon Tetrachloride	ND	2.0		µg/L	2	5/3/2017 4:00:43 AM	D42503
Chlorobenzene	ND	2.0		µg/L	2	5/3/2017 4:00:43 AM	D42503
Chloroethane	ND	4.0		µg/L	2	5/3/2017 4:00:43 AM	D42503
Chloroform	ND	2.0		µg/L	2	5/3/2017 4:00:43 AM	D42503
Chloromethane	ND	6.0		µg/L	2	5/3/2017 4:00:43 AM	D42503
2-Chlorotoluene	ND	2.0		µg/L	2	5/3/2017 4:00:43 AM	D42503
4-Chlorotoluene	ND	2.0		µg/L	2	5/3/2017 4:00:43 AM	D42503
cis-1,2-DCE	ND	2.0		µg/L	2	5/3/2017 4:00:43 AM	D42503
cis-1,3-Dichloropropene	ND	2.0		µg/L	2	5/3/2017 4:00:43 AM	D42503
1,2-Dibromo-3-chloropropane	ND	4.0		µg/L	2	5/3/2017 4:00:43 AM	D42503
Dibromochloromethane	ND	2.0		µg/L	2	5/3/2017 4:00:43 AM	D42503
Dibromomethane	ND	2.0		µg/L	2	5/3/2017 4:00:43 AM	D42503
1,2-Dichlorobenzene	ND	2.0		µg/L	2	5/3/2017 4:00:43 AM	D42503
1,3-Dichlorobenzene	ND	2.0		µg/L	2	5/3/2017 4:00:43 AM	D42503
1,4-Dichlorobenzene	ND	2.0		µg/L	2	5/3/2017 4:00:43 AM	D42503
Dichlorodifluoromethane	ND	2.0		µg/L	2	5/3/2017 4:00:43 AM	D42503
1,1-Dichloroethane	ND	2.0		µg/L	2	5/3/2017 4:00:43 AM	D42503
1,1-Dichloroethene	ND	2.0		µg/L	2	5/3/2017 4:00:43 AM	D42503
1,2-Dichloropropane	ND	2.0		µg/L	2	5/3/2017 4:00:43 AM	D42503
1,3-Dichloropropane	ND	2.0		µg/L	2	5/3/2017 4:00:43 AM	D42503
2,2-Dichloropropane	ND	4.0		µg/L	2	5/3/2017 4:00:43 AM	D42503

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Qualifiers:

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D	Sample Diluted Due to Matrix	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
R	RPD outside accepted recovery limits	RL	Reporting Detection Limit
S	% Recovery outside of range due to dilution or matrix	W	Sample container temperature is out of limit as specified

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD
Client Sample ID: GW11103552-042517SVE-13
Project: WT-1
Collection Date: 4/25/2017 12:30:00 PM
Lab ID: 1705010-007
Matrix: AQUEOUS
Received Date: 4/29/2017 8:00:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8260B: VOLATILES						Analyst: **DJF**	
1,1-Dichloropropene	ND	2.0		µg/L	2	5/3/2017 4:00:43 AM	D42503
Hexachlorobutadiene	ND	2.0		µg/L	2	5/3/2017 4:00:43 AM	D42503
2-Hexanone	ND	20		µg/L	2	5/3/2017 4:00:43 AM	D42503
Isopropylbenzene	34	2.0		µg/L	2	5/3/2017 4:00:43 AM	D42503
4-Isopropyltoluene	7.7	2.0		µg/L	2	5/3/2017 4:00:43 AM	D42503
4-Methyl-2-pentanone	ND	20		µg/L	2	5/3/2017 4:00:43 AM	D42503
Methylene Chloride	ND	6.0		µg/L	2	5/3/2017 4:00:43 AM	D42503
n-Butylbenzene	8.2	6.0		µg/L	2	5/3/2017 4:00:43 AM	D42503
n-Propylbenzene	48	2.0		µg/L	2	5/3/2017 4:00:43 AM	D42503
sec-Butylbenzene	8.6	2.0		µg/L	2	5/3/2017 4:00:43 AM	D42503
Styrene	ND	2.0		µg/L	2	5/3/2017 4:00:43 AM	D42503
tert-Butylbenzene	ND	2.0		µg/L	2	5/3/2017 4:00:43 AM	D42503
1,1,1,2-Tetrachloroethane	ND	2.0		µg/L	2	5/3/2017 4:00:43 AM	D42503
1,1,2,2-Tetrachloroethane	ND	4.0		µg/L	2	5/3/2017 4:00:43 AM	D42503
Tetrachloroethene (PCE)	ND	2.0		µg/L	2	5/3/2017 4:00:43 AM	D42503
trans-1,2-DCE	ND	2.0		µg/L	2	5/3/2017 4:00:43 AM	D42503
trans-1,3-Dichloropropene	ND	2.0		µg/L	2	5/3/2017 4:00:43 AM	D42503
1,2,3-Trichlorobenzene	ND	2.0		µg/L	2	5/3/2017 4:00:43 AM	D42503
1,2,4-Trichlorobenzene	ND	2.0		µg/L	2	5/3/2017 4:00:43 AM	D42503
1,1,1-Trichloroethane	ND	2.0		µg/L	2	5/3/2017 4:00:43 AM	D42503
1,1,2-Trichloroethane	ND	2.0		µg/L	2	5/3/2017 4:00:43 AM	D42503
Trichloroethene (TCE)	ND	2.0		µg/L	2	5/3/2017 4:00:43 AM	D42503
Trichlorofluoromethane	ND	2.0		µg/L	2	5/3/2017 4:00:43 AM	D42503
1,2,3-Trichloropropane	ND	4.0		µg/L	2	5/3/2017 4:00:43 AM	D42503
Vinyl chloride	ND	2.0		µg/L	2	5/3/2017 4:00:43 AM	D42503
Xylenes, Total	630	30		µg/L	20	5/3/2017 3:32:15 AM	D42503
Surr: 1,2-Dichloroethane-d4	85.5	70-130		%Rec	2	5/3/2017 4:00:43 AM	D42503
Surr: 4-Bromofluorobenzene	160	70-130	S	%Rec	2	5/3/2017 4:00:43 AM	D42503
Surr: Dibromofluoromethane	90.8	70-130		%Rec	2	5/3/2017 4:00:43 AM	D42503
Surr: Toluene-d8	106	70-130		%Rec	2	5/3/2017 4:00:43 AM	D42503

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
R	RPD outside accepted recovery limits	RL	Reporting Detection Limit
S	% Recovery outside of range due to dilution or matrix	W	Sample container temperature is out of limit as specified

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD
Client Sample ID: GW11103552-042517SVE-14
Project: WT-1
Collection Date: 4/25/2017 1:00:00 PM
Lab ID: 1705010-008
Matrix: AQUEOUS
Received Date: 4/29/2017 8:00:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analyst: **MRA**	
Sulfate	50	2.5		mg/L	5	5/2/2017 5:37:51 PM	R42488
EPA METHOD 8270C: SEMIVOLATILES						Analyst: **DAM**	
Acenaphthene	ND	50	D	µg/L	1	5/5/2017 2:16:54 PM	31518
Acenaphthylene	ND	50	D	µg/L	1	5/5/2017 2:16:54 PM	31518
Aniline	ND	50	D	µg/L	1	5/5/2017 2:16:54 PM	31518
Anthracene	ND	50	D	µg/L	1	5/5/2017 2:16:54 PM	31518
Azobenzene	ND	50	D	µg/L	1	5/5/2017 2:16:54 PM	31518
Benz(a)anthracene	ND	50	D	µg/L	1	5/5/2017 2:16:54 PM	31518
Benzo(a)pyrene	ND	50	D	µg/L	1	5/5/2017 2:16:54 PM	31518
Benzo(b)fluoranthene	ND	50	D	µg/L	1	5/5/2017 2:16:54 PM	31518
Benzo(g,h,i)perylene	ND	50	D	µg/L	1	5/5/2017 2:16:54 PM	31518
Benzo(k)fluoranthene	ND	50	D	µg/L	1	5/5/2017 2:16:54 PM	31518
Benzoic acid	ND	100	D	µg/L	1	5/5/2017 2:16:54 PM	31518
Benzyl alcohol	ND	50	D	µg/L	1	5/5/2017 2:16:54 PM	31518
Bis(2-chloroethoxy)methane	ND	50	D	µg/L	1	5/5/2017 2:16:54 PM	31518
Bis(2-chloroethyl)ether	ND	50	D	µg/L	1	5/5/2017 2:16:54 PM	31518
Bis(2-chloroisopropyl)ether	ND	50	D	µg/L	1	5/5/2017 2:16:54 PM	31518
Bis(2-ethylhexyl)phthalate	ND	50	D	µg/L	1	5/5/2017 2:16:54 PM	31518
4-Bromophenyl phenyl ether	ND	50	D	µg/L	1	5/5/2017 2:16:54 PM	31518
Butyl benzyl phthalate	ND	50	D	µg/L	1	5/5/2017 2:16:54 PM	31518
Carbazole	ND	50	D	µg/L	1	5/5/2017 2:16:54 PM	31518
4-Chloro-3-methylphenol	ND	50	D	µg/L	1	5/5/2017 2:16:54 PM	31518
4-Chloroaniline	ND	50	D	µg/L	1	5/5/2017 2:16:54 PM	31518
2-Chloronaphthalene	ND	50	D	µg/L	1	5/5/2017 2:16:54 PM	31518
2-Chlorophenol	ND	50	D	µg/L	1	5/5/2017 2:16:54 PM	31518
4-Chlorophenyl phenyl ether	ND	50	D	µg/L	1	5/5/2017 2:16:54 PM	31518
Chrysene	ND	50	D	µg/L	1	5/5/2017 2:16:54 PM	31518
Di-n-butyl phthalate	ND	50	D	µg/L	1	5/5/2017 2:16:54 PM	31518
Di-n-octyl phthalate	ND	50	D	µg/L	1	5/5/2017 2:16:54 PM	31518
Dibenz(a,h)anthracene	ND	50	D	µg/L	1	5/5/2017 2:16:54 PM	31518
Dibenzofuran	ND	50	D	µg/L	1	5/5/2017 2:16:54 PM	31518
1,2-Dichlorobenzene	ND	50	D	µg/L	1	5/5/2017 2:16:54 PM	31518
1,3-Dichlorobenzene	ND	50	D	µg/L	1	5/5/2017 2:16:54 PM	31518
1,4-Dichlorobenzene	ND	50	D	µg/L	1	5/5/2017 2:16:54 PM	31518
3,3´-Dichlorobenzidine	ND	50	D	µg/L	1	5/5/2017 2:16:54 PM	31518
Diethyl phthalate	ND	50	D	µg/L	1	5/5/2017 2:16:54 PM	31518
Dimethyl phthalate	ND	50	D	µg/L	1	5/5/2017 2:16:54 PM	31518
2,4-Dichlorophenol	ND	100	D	µg/L	1	5/5/2017 2:16:54 PM	31518
2,4-Dimethylphenol	ND	50	D	µg/L	1	5/5/2017 2:16:54 PM	31518

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
R	RPD outside accepted recovery limits	RL	Reporting Detection Limit
S	% Recovery outside of range due to dilution or matrix	W	Sample container temperature is out of limit as specified

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD
Client Sample ID: GW11103552-042517SVE-14
Project: WT-1
Collection Date: 4/25/2017 1:00:00 PM
Lab ID: 1705010-008
Matrix: AQUEOUS
Received Date: 4/29/2017 8:00:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8270C: SEMIVOLATILES						Analyst: **DAM**	
4,6-Dinitro-2-methylphenol	ND	100	D	µg/L	1	5/5/2017 2:16:54 PM	31518
2,4-Dinitrophenol	ND	100	D	µg/L	1	5/5/2017 2:16:54 PM	31518
2,4-Dinitrotoluene	ND	50	D	µg/L	1	5/5/2017 2:16:54 PM	31518
2,6-Dinitrotoluene	ND	50	D	µg/L	1	5/5/2017 2:16:54 PM	31518
Fluoranthene	ND	50	D	µg/L	1	5/5/2017 2:16:54 PM	31518
Fluorene	ND	50	D	µg/L	1	5/5/2017 2:16:54 PM	31518
Hexachlorobenzene	ND	50	D	µg/L	1	5/5/2017 2:16:54 PM	31518
Hexachlorobutadiene	ND	50	D	µg/L	1	5/5/2017 2:16:54 PM	31518
Hexachlorocyclopentadiene	ND	50	D	µg/L	1	5/5/2017 2:16:54 PM	31518
Hexachloroethane	ND	50	D	µg/L	1	5/5/2017 2:16:54 PM	31518
Indeno(1,2,3-cd)pyrene	ND	50	D	µg/L	1	5/5/2017 2:16:54 PM	31518
Isophorone	ND	50	D	µg/L	1	5/5/2017 2:16:54 PM	31518
1-Methylnaphthalene	ND	50	D	µg/L	1	5/5/2017 2:16:54 PM	31518
2-Methylnaphthalene	ND	50	D	µg/L	1	5/5/2017 2:16:54 PM	31518
2-Methylphenol	ND	50	D	µg/L	1	5/5/2017 2:16:54 PM	31518
3+4-Methylphenol	ND	50	D	µg/L	1	5/5/2017 2:16:54 PM	31518
N-Nitrosodi-n-propylamine	ND	50	D	µg/L	1	5/5/2017 2:16:54 PM	31518
N-Nitrosodimethylamine	ND	50	D	µg/L	1	5/5/2017 2:16:54 PM	31518
N-Nitrosodiphenylamine	ND	50	D	µg/L	1	5/5/2017 2:16:54 PM	31518
Naphthalene	ND	50	D	µg/L	1	5/5/2017 2:16:54 PM	31518
2-Nitroaniline	ND	50	D	µg/L	1	5/5/2017 2:16:54 PM	31518
3-Nitroaniline	ND	50	D	µg/L	1	5/5/2017 2:16:54 PM	31518
4-Nitroaniline	ND	50	D	µg/L	1	5/5/2017 2:16:54 PM	31518
Nitrobenzene	ND	50	D	µg/L	1	5/5/2017 2:16:54 PM	31518
2-Nitrophenol	ND	50	D	µg/L	1	5/5/2017 2:16:54 PM	31518
4-Nitrophenol	ND	50	D	µg/L	1	5/5/2017 2:16:54 PM	31518
Pentachlorophenol	ND	100	D	µg/L	1	5/5/2017 2:16:54 PM	31518
Phenanthrene	ND	50	D	µg/L	1	5/5/2017 2:16:54 PM	31518
Phenol	ND	50	D	µg/L	1	5/5/2017 2:16:54 PM	31518
Pyrene	ND	50	D	µg/L	1	5/5/2017 2:16:54 PM	31518
Pyridine	ND	50	D	µg/L	1	5/5/2017 2:16:54 PM	31518
1,2,4-Trichlorobenzene	ND	50	D	µg/L	1	5/5/2017 2:16:54 PM	31518
2,4,5-Trichlorophenol	ND	50	D	µg/L	1	5/5/2017 2:16:54 PM	31518
2,4,6-Trichlorophenol	ND	50	D	µg/L	1	5/5/2017 2:16:54 PM	31518
Surr: 2-Fluorophenol	46.4	15-98.1	D	%Rec	1	5/5/2017 2:16:54 PM	31518
Surr: Phenol-d5	37.3	15-80.7	D	%Rec	1	5/5/2017 2:16:54 PM	31518
Surr: 2,4,6-Tribromophenol	84.0	15-112	D	%Rec	1	5/5/2017 2:16:54 PM	31518
Surr: Nitrobenzene-d5	72.8	27.2-90.7	D	%Rec	1	5/5/2017 2:16:54 PM	31518
Surr: 2-Fluorobiphenyl	72.8	23.3-85.6	D	%Rec	1	5/5/2017 2:16:54 PM	31518

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
R	RPD outside accepted recovery limits	RL	Reporting Detection Limit
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Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD
Client Sample ID: GW11103552-042517SVE-14
Project: WT-1
Collection Date: 4/25/2017 1:00:00 PM
Lab ID: 1705010-008
Matrix: AQUEOUS
Received Date: 4/29/2017 8:00:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8270C: SEMIVOLATILES						Analyst: **DAM**	
Surr: 4-Terphenyl-d14	72.0	27.6-107	D	%Rec	1	5/5/2017 2:16:54 PM	31518
EPA METHOD 8260B: VOLATILES						Analyst: **DJF**	
Benzene	210	10		µg/L	10	5/3/2017 4:29:13 AM	D42503
Toluene	1.3	1.0		µg/L	1	5/3/2017 4:57:36 AM	D42503
Ethylbenzene	73	1.0		µg/L	1	5/3/2017 4:57:36 AM	D42503
Methyl tert-butyl ether (MTBE)	ND	1.0		µg/L	1	5/3/2017 4:57:36 AM	D42503
1,2,4-Trimethylbenzene	130	10		µg/L	10	5/3/2017 4:29:13 AM	D42503
1,3,5-Trimethylbenzene	85	1.0		µg/L	1	5/3/2017 4:57:36 AM	D42503
1,2-Dichloroethane (EDC)	ND	1.0		µg/L	1	5/3/2017 4:57:36 AM	D42503
1,2-Dibromoethane (EDB)	ND	1.0		µg/L	1	5/3/2017 4:57:36 AM	D42503
Naphthalene	7.1	2.0		µg/L	1	5/3/2017 4:57:36 AM	D42503
1-Methylnaphthalene	6.5	4.0		µg/L	1	5/3/2017 4:57:36 AM	D42503
2-Methylnaphthalene	4.2	4.0		µg/L	1	5/3/2017 4:57:36 AM	D42503
Acetone	ND	10		µg/L	1	5/3/2017 4:57:36 AM	D42503
Bromobenzene	ND	1.0		µg/L	1	5/3/2017 4:57:36 AM	D42503
Bromodichloromethane	ND	1.0		µg/L	1	5/3/2017 4:57:36 AM	D42503
Bromoform	ND	1.0		µg/L	1	5/3/2017 4:57:36 AM	D42503
Bromomethane	ND	3.0		µg/L	1	5/3/2017 4:57:36 AM	D42503
2-Butanone	ND	10		µg/L	1	5/3/2017 4:57:36 AM	D42503
Carbon disulfide	ND	10		µg/L	1	5/3/2017 4:57:36 AM	D42503
Carbon Tetrachloride	ND	1.0		µg/L	1	5/3/2017 4:57:36 AM	D42503
Chlorobenzene	ND	1.0		µg/L	1	5/3/2017 4:57:36 AM	D42503
Chloroethane	ND	2.0		µg/L	1	5/3/2017 4:57:36 AM	D42503
Chloroform	ND	1.0		µg/L	1	5/3/2017 4:57:36 AM	D42503
Chloromethane	ND	3.0		µg/L	1	5/3/2017 4:57:36 AM	D42503
2-Chlorotoluene	ND	1.0		µg/L	1	5/3/2017 4:57:36 AM	D42503
4-Chlorotoluene	ND	1.0		µg/L	1	5/3/2017 4:57:36 AM	D42503
cis-1,2-DCE	ND	1.0		µg/L	1	5/3/2017 4:57:36 AM	D42503
cis-1,3-Dichloropropene	ND	1.0		µg/L	1	5/3/2017 4:57:36 AM	D42503
1,2-Dibromo-3-chloropropane	ND	2.0		µg/L	1	5/3/2017 4:57:36 AM	D42503
Dibromochloromethane	ND	1.0		µg/L	1	5/3/2017 4:57:36 AM	D42503
Dibromomethane	ND	1.0		µg/L	1	5/3/2017 4:57:36 AM	D42503
1,2-Dichlorobenzene	ND	1.0		µg/L	1	5/3/2017 4:57:36 AM	D42503
1,3-Dichlorobenzene	ND	1.0		µg/L	1	5/3/2017 4:57:36 AM	D42503
1,4-Dichlorobenzene	ND	1.0		µg/L	1	5/3/2017 4:57:36 AM	D42503
Dichlorodifluoromethane	ND	1.0		µg/L	1	5/3/2017 4:57:36 AM	D42503
1,1-Dichloroethane	ND	1.0		µg/L	1	5/3/2017 4:57:36 AM	D42503
1,1-Dichloroethene	ND	1.0		µg/L	1	5/3/2017 4:57:36 AM	D42503
1,2-Dichloropropane	ND	1.0		µg/L	1	5/3/2017 4:57:36 AM	D42503

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Qualifiers:

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D	Sample Diluted Due to Matrix	E	Value above quantitation range
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ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
R	RPD outside accepted recovery limits	RL	Reporting Detection Limit
S	% Recovery outside of range due to dilution or matrix	W	Sample container temperature is out of limit as specified

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD
Client Sample ID: GW11103552-042517SVE-14
Project: WT-1
Collection Date: 4/25/2017 1:00:00 PM
Lab ID: 1705010-008
Matrix: AQUEOUS
Received Date: 4/29/2017 8:00:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8260B: VOLATILES						Analyst: **DJF**	
1,3-Dichloropropane	ND	1.0		µg/L	1	5/3/2017 4:57:36 AM	D42503
2,2-Dichloropropane	ND	2.0		µg/L	1	5/3/2017 4:57:36 AM	D42503
1,1-Dichloropropene	ND	1.0		µg/L	1	5/3/2017 4:57:36 AM	D42503
Hexachlorobutadiene	ND	1.0		µg/L	1	5/3/2017 4:57:36 AM	D42503
2-Hexanone	ND	10		µg/L	1	5/3/2017 4:57:36 AM	D42503
Isopropylbenzene	18	1.0		µg/L	1	5/3/2017 4:57:36 AM	D42503
4-Isopropyltoluene	4.6	1.0		µg/L	1	5/3/2017 4:57:36 AM	D42503
4-Methyl-2-pentanone	ND	10		µg/L	1	5/3/2017 4:57:36 AM	D42503
Methylene Chloride	ND	3.0		µg/L	1	5/3/2017 4:57:36 AM	D42503
n-Butylbenzene	3.2	3.0		µg/L	1	5/3/2017 4:57:36 AM	D42503
n-Propylbenzene	22	1.0		µg/L	1	5/3/2017 4:57:36 AM	D42503
sec-Butylbenzene	5.3	1.0		µg/L	1	5/3/2017 4:57:36 AM	D42503
Styrene	ND	1.0		µg/L	1	5/3/2017 4:57:36 AM	D42503
tert-Butylbenzene	ND	1.0		µg/L	1	5/3/2017 4:57:36 AM	D42503
1,1,1,2-Tetrachloroethane	ND	1.0		µg/L	1	5/3/2017 4:57:36 AM	D42503
1,1,2,2-Tetrachloroethane	ND	2.0		µg/L	1	5/3/2017 4:57:36 AM	D42503
Tetrachloroethene (PCE)	ND	1.0		µg/L	1	5/3/2017 4:57:36 AM	D42503
trans-1,2-DCE	ND	1.0		µg/L	1	5/3/2017 4:57:36 AM	D42503
trans-1,3-Dichloropropene	ND	1.0		µg/L	1	5/3/2017 4:57:36 AM	D42503
1,2,3-Trichlorobenzene	ND	1.0		µg/L	1	5/3/2017 4:57:36 AM	D42503
1,2,4-Trichlorobenzene	ND	1.0		µg/L	1	5/3/2017 4:57:36 AM	D42503
1,1,1-Trichloroethane	ND	1.0		µg/L	1	5/3/2017 4:57:36 AM	D42503
1,1,2-Trichloroethane	ND	1.0		µg/L	1	5/3/2017 4:57:36 AM	D42503
Trichloroethene (TCE)	ND	1.0		µg/L	1	5/3/2017 4:57:36 AM	D42503
Trichlorofluoromethane	ND	1.0		µg/L	1	5/3/2017 4:57:36 AM	D42503
1,2,3-Trichloropropane	ND	2.0		µg/L	1	5/3/2017 4:57:36 AM	D42503
Vinyl chloride	ND	1.0		µg/L	1	5/3/2017 4:57:36 AM	D42503
Xylenes, Total	260	15		µg/L	10	5/3/2017 4:29:13 AM	D42503
Surr: 1,2-Dichloroethane-d4	93.7	70-130		%Rec	1	5/3/2017 4:57:36 AM	D42503
Surr: 4-Bromofluorobenzene	100	70-130		%Rec	1	5/3/2017 4:57:36 AM	D42503
Surr: Dibromofluoromethane	88.5	70-130		%Rec	1	5/3/2017 4:57:36 AM	D42503
Surr: Toluene-d8	107	70-130		%Rec	1	5/3/2017 4:57:36 AM	D42503

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Qualifiers:

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D	Sample Diluted Due to Matrix	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
R	RPD outside accepted recovery limits	RL	Reporting Detection Limit
S	% Recovery outside of range due to dilution or matrix	W	Sample container temperature is out of limit as specified

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD
Client Sample ID: GW11103552-042717MW-4
Project: WT-1
Collection Date: 4/27/2017 10:50:00 AM
Lab ID: 1705010-009
Matrix: AQUEOUS
Received Date: 4/29/2017 8:00:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8270C: SEMIVOLATILES						Analyst: **DAM**	
Acenaphthene	ND	10		µg/L	1	5/5/2017 2:44:55 PM	31518
Acenaphthylene	ND	10		µg/L	1	5/5/2017 2:44:55 PM	31518
Aniline	ND	10		µg/L	1	5/5/2017 2:44:55 PM	31518
Anthracene	ND	10		µg/L	1	5/5/2017 2:44:55 PM	31518
Azobenzene	ND	10		µg/L	1	5/5/2017 2:44:55 PM	31518
Benz(a)anthracene	ND	10		µg/L	1	5/5/2017 2:44:55 PM	31518
Benzo(a)pyrene	ND	10		µg/L	1	5/5/2017 2:44:55 PM	31518
Benzo(b)fluoranthene	ND	10		µg/L	1	5/5/2017 2:44:55 PM	31518
Benzo(g,h,i)perylene	ND	10		µg/L	1	5/5/2017 2:44:55 PM	31518
Benzo(k)fluoranthene	ND	10		µg/L	1	5/5/2017 2:44:55 PM	31518
Benzoic acid	ND	20		µg/L	1	5/5/2017 2:44:55 PM	31518
Benzyl alcohol	ND	10		µg/L	1	5/5/2017 2:44:55 PM	31518
Bis(2-chloroethoxy)methane	ND	10		µg/L	1	5/5/2017 2:44:55 PM	31518
Bis(2-chloroethyl)ether	ND	10		µg/L	1	5/5/2017 2:44:55 PM	31518
Bis(2-chloroisopropyl)ether	ND	10		µg/L	1	5/5/2017 2:44:55 PM	31518
Bis(2-ethylhexyl)phthalate	ND	10		µg/L	1	5/5/2017 2:44:55 PM	31518
4-Bromophenyl phenyl ether	ND	10		µg/L	1	5/5/2017 2:44:55 PM	31518
Butyl benzyl phthalate	ND	10		µg/L	1	5/5/2017 2:44:55 PM	31518
Carbazole	ND	10		µg/L	1	5/5/2017 2:44:55 PM	31518
4-Chloro-3-methylphenol	ND	10		µg/L	1	5/5/2017 2:44:55 PM	31518
4-Chloroaniline	ND	10		µg/L	1	5/5/2017 2:44:55 PM	31518
2-Chloronaphthalene	ND	10		µg/L	1	5/5/2017 2:44:55 PM	31518
2-Chlorophenol	ND	10		µg/L	1	5/5/2017 2:44:55 PM	31518
4-Chlorophenyl phenyl ether	ND	10		µg/L	1	5/5/2017 2:44:55 PM	31518
Chrysene	ND	10		µg/L	1	5/5/2017 2:44:55 PM	31518
Di-n-butyl phthalate	ND	10		µg/L	1	5/5/2017 2:44:55 PM	31518
Di-n-octyl phthalate	ND	10		µg/L	1	5/5/2017 2:44:55 PM	31518
Dibenz(a,h)anthracene	ND	10		µg/L	1	5/5/2017 2:44:55 PM	31518
Dibenzofuran	ND	10		µg/L	1	5/5/2017 2:44:55 PM	31518
1,2-Dichlorobenzene	ND	10		µg/L	1	5/5/2017 2:44:55 PM	31518
1,3-Dichlorobenzene	ND	10		µg/L	1	5/5/2017 2:44:55 PM	31518
1,4-Dichlorobenzene	ND	10		µg/L	1	5/5/2017 2:44:55 PM	31518
3,3´-Dichlorobenzidine	ND	10		µg/L	1	5/5/2017 2:44:55 PM	31518
Diethyl phthalate	ND	10		µg/L	1	5/5/2017 2:44:55 PM	31518
Dimethyl phthalate	ND	10		µg/L	1	5/5/2017 2:44:55 PM	31518
2,4-Dichlorophenol	ND	20		µg/L	1	5/5/2017 2:44:55 PM	31518
2,4-Dimethylphenol	ND	10		µg/L	1	5/5/2017 2:44:55 PM	31518
4,6-Dinitro-2-methylphenol	ND	20		µg/L	1	5/5/2017 2:44:55 PM	31518
2,4-Dinitrophenol	ND	20		µg/L	1	5/5/2017 2:44:55 PM	31518

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Value above quantitation range
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ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
R	RPD outside accepted recovery limits	RL	Reporting Detection Limit
S	% Recovery outside of range due to dilution or matrix	W	Sample container temperature is out of limit as specified

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD
Client Sample ID: GW11103552-042717MW-4
Project: WT-1
Collection Date: 4/27/2017 10:50:00 AM
Lab ID: 1705010-009
Matrix: AQUEOUS
Received Date: 4/29/2017 8:00:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8270C: SEMIVOLATILES						Analyst: **DAM**	
2,4-Dinitrotoluene	ND	10		µg/L	1	5/5/2017 2:44:55 PM	31518
2,6-Dinitrotoluene	ND	10		µg/L	1	5/5/2017 2:44:55 PM	31518
Fluoranthene	ND	10		µg/L	1	5/5/2017 2:44:55 PM	31518
Fluorene	ND	10		µg/L	1	5/5/2017 2:44:55 PM	31518
Hexachlorobenzene	ND	10		µg/L	1	5/5/2017 2:44:55 PM	31518
Hexachlorobutadiene	ND	10		µg/L	1	5/5/2017 2:44:55 PM	31518
Hexachlorocyclopentadiene	ND	10		µg/L	1	5/5/2017 2:44:55 PM	31518
Hexachloroethane	ND	10		µg/L	1	5/5/2017 2:44:55 PM	31518
Indeno(1,2,3-cd)pyrene	ND	10		µg/L	1	5/5/2017 2:44:55 PM	31518
Isophorone	ND	10		µg/L	1	5/5/2017 2:44:55 PM	31518
1-Methylnaphthalene	ND	10		µg/L	1	5/5/2017 2:44:55 PM	31518
2-Methylnaphthalene	ND	10		µg/L	1	5/5/2017 2:44:55 PM	31518
2-Methylphenol	ND	10		µg/L	1	5/5/2017 2:44:55 PM	31518
3+4-Methylphenol	ND	10		µg/L	1	5/5/2017 2:44:55 PM	31518
N-Nitrosodi-n-propylamine	ND	10		µg/L	1	5/5/2017 2:44:55 PM	31518
N-Nitrosodimethylamine	ND	10		µg/L	1	5/5/2017 2:44:55 PM	31518
N-Nitrosodiphenylamine	ND	10		µg/L	1	5/5/2017 2:44:55 PM	31518
Naphthalene	ND	10		µg/L	1	5/5/2017 2:44:55 PM	31518
2-Nitroaniline	ND	10		µg/L	1	5/5/2017 2:44:55 PM	31518
3-Nitroaniline	ND	10		µg/L	1	5/5/2017 2:44:55 PM	31518
4-Nitroaniline	ND	10		µg/L	1	5/5/2017 2:44:55 PM	31518
Nitrobenzene	ND	10		µg/L	1	5/5/2017 2:44:55 PM	31518
2-Nitrophenol	ND	10		µg/L	1	5/5/2017 2:44:55 PM	31518
4-Nitrophenol	ND	10		µg/L	1	5/5/2017 2:44:55 PM	31518
Pentachlorophenol	ND	20		µg/L	1	5/5/2017 2:44:55 PM	31518
Phenanthrene	ND	10		µg/L	1	5/5/2017 2:44:55 PM	31518
Phenol	ND	10		µg/L	1	5/5/2017 2:44:55 PM	31518
Pyrene	ND	10		µg/L	1	5/5/2017 2:44:55 PM	31518
Pyridine	ND	10		µg/L	1	5/5/2017 2:44:55 PM	31518
1,2,4-Trichlorobenzene	ND	10		µg/L	1	5/5/2017 2:44:55 PM	31518
2,4,5-Trichlorophenol	ND	10		µg/L	1	5/5/2017 2:44:55 PM	31518
2,4,6-Trichlorophenol	ND	10		µg/L	1	5/5/2017 2:44:55 PM	31518
Surr: 2-Fluorophenol	50.3	15-98.1		%Rec	1	5/5/2017 2:44:55 PM	31518
Surr: Phenol-d5	36.6	15-80.7		%Rec	1	5/5/2017 2:44:55 PM	31518
Surr: 2,4,6-Tribromophenol	69.0	15-112		%Rec	1	5/5/2017 2:44:55 PM	31518
Surr: Nitrobenzene-d5	71.9	27.2-90.7		%Rec	1	5/5/2017 2:44:55 PM	31518
Surr: 2-Fluorobiphenyl	69.4	23.3-85.6		%Rec	1	5/5/2017 2:44:55 PM	31518
Surr: 4-Terphenyl-d14	65.2	27.6-107		%Rec	1	5/5/2017 2:44:55 PM	31518
EPA METHOD 8260B: VOLATILES						Analyst: **DJF**	

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
R	RPD outside accepted recovery limits	RL	Reporting Detection Limit
S	% Recovery outside of range due to dilution or matrix	W	Sample container temperature is out of limit as specified

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD
Client Sample ID: GW11103552-042717MW-4
Project: WT-1
Collection Date: 4/27/2017 10:50:00 AM
Lab ID: 1705010-009
Matrix: AQUEOUS
Received Date: 4/29/2017 8:00:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8260B: VOLATILES						Analyst: **DJF**	
Benzene	ND	1.0		µg/L	1	5/3/2017 5:54:50 AM	D42503
Toluene	ND	1.0		µg/L	1	5/3/2017 5:54:50 AM	D42503
Ethylbenzene	ND	1.0		µg/L	1	5/3/2017 5:54:50 AM	D42503
Methyl tert-butyl ether (MTBE)	ND	1.0		µg/L	1	5/3/2017 5:54:50 AM	D42503
1,2,4-Trimethylbenzene	ND	1.0		µg/L	1	5/3/2017 5:54:50 AM	D42503
1,3,5-Trimethylbenzene	ND	1.0		µg/L	1	5/3/2017 5:54:50 AM	D42503
1,2-Dichloroethane (EDC)	ND	1.0		µg/L	1	5/3/2017 5:54:50 AM	D42503
1,2-Dibromoethane (EDB)	ND	1.0		µg/L	1	5/3/2017 5:54:50 AM	D42503
Naphthalene	ND	2.0		µg/L	1	5/3/2017 5:54:50 AM	D42503
1-Methylnaphthalene	ND	4.0		µg/L	1	5/3/2017 5:54:50 AM	D42503
2-Methylnaphthalene	ND	4.0		µg/L	1	5/3/2017 5:54:50 AM	D42503
Acetone	ND	10		µg/L	1	5/3/2017 5:54:50 AM	D42503
Bromobenzene	ND	1.0		µg/L	1	5/3/2017 5:54:50 AM	D42503
Bromodichloromethane	ND	1.0		µg/L	1	5/3/2017 5:54:50 AM	D42503
Bromoform	ND	1.0		µg/L	1	5/3/2017 5:54:50 AM	D42503
Bromomethane	ND	3.0		µg/L	1	5/3/2017 5:54:50 AM	D42503
2-Butanone	ND	10		µg/L	1	5/3/2017 5:54:50 AM	D42503
Carbon disulfide	ND	10		µg/L	1	5/3/2017 5:54:50 AM	D42503
Carbon Tetrachloride	ND	1.0		µg/L	1	5/3/2017 5:54:50 AM	D42503
Chlorobenzene	ND	1.0		µg/L	1	5/3/2017 5:54:50 AM	D42503
Chloroethane	ND	2.0		µg/L	1	5/3/2017 5:54:50 AM	D42503
Chloroform	ND	1.0		µg/L	1	5/3/2017 5:54:50 AM	D42503
Chloromethane	ND	3.0		µg/L	1	5/3/2017 5:54:50 AM	D42503
2-Chlorotoluene	ND	1.0		µg/L	1	5/3/2017 5:54:50 AM	D42503
4-Chlorotoluene	ND	1.0		µg/L	1	5/3/2017 5:54:50 AM	D42503
cis-1,2-DCE	ND	1.0		µg/L	1	5/3/2017 5:54:50 AM	D42503
cis-1,3-Dichloropropene	ND	1.0		µg/L	1	5/3/2017 5:54:50 AM	D42503
1,2-Dibromo-3-chloropropane	ND	2.0		µg/L	1	5/3/2017 5:54:50 AM	D42503
Dibromochloromethane	ND	1.0		µg/L	1	5/3/2017 5:54:50 AM	D42503
Dibromomethane	ND	1.0		µg/L	1	5/3/2017 5:54:50 AM	D42503
1,2-Dichlorobenzene	ND	1.0		µg/L	1	5/3/2017 5:54:50 AM	D42503
1,3-Dichlorobenzene	ND	1.0		µg/L	1	5/3/2017 5:54:50 AM	D42503
1,4-Dichlorobenzene	ND	1.0		µg/L	1	5/3/2017 5:54:50 AM	D42503
Dichlorodifluoromethane	ND	1.0		µg/L	1	5/3/2017 5:54:50 AM	D42503
1,1-Dichloroethane	ND	1.0		µg/L	1	5/3/2017 5:54:50 AM	D42503
1,1-Dichloroethene	ND	1.0		µg/L	1	5/3/2017 5:54:50 AM	D42503
1,2-Dichloropropane	ND	1.0		µg/L	1	5/3/2017 5:54:50 AM	D42503
1,3-Dichloropropane	ND	1.0		µg/L	1	5/3/2017 5:54:50 AM	D42503
2,2-Dichloropropane	ND	2.0		µg/L	1	5/3/2017 5:54:50 AM	D42503

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
R	RPD outside accepted recovery limits	RL	Reporting Detection Limit
S	% Recovery outside of range due to dilution or matrix	W	Sample container temperature is out of limit as specified

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD
Client Sample ID: GW11103552-042717MW-4
Project: WT-1
Collection Date: 4/27/2017 10:50:00 AM
Lab ID: 1705010-009
Matrix: AQUEOUS
Received Date: 4/29/2017 8:00:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8260B: VOLATILES						Analyst: **DJF**	
1,1-Dichloropropene	ND	1.0		µg/L	1	5/3/2017 5:54:50 AM	D42503
Hexachlorobutadiene	ND	1.0		µg/L	1	5/3/2017 5:54:50 AM	D42503
2-Hexanone	ND	10		µg/L	1	5/3/2017 5:54:50 AM	D42503
Isopropylbenzene	ND	1.0		µg/L	1	5/3/2017 5:54:50 AM	D42503
4-Isopropyltoluene	ND	1.0		µg/L	1	5/3/2017 5:54:50 AM	D42503
4-Methyl-2-pentanone	ND	10		µg/L	1	5/3/2017 5:54:50 AM	D42503
Methylene Chloride	ND	3.0		µg/L	1	5/3/2017 5:54:50 AM	D42503
n-Butylbenzene	ND	3.0		µg/L	1	5/3/2017 5:54:50 AM	D42503
n-Propylbenzene	ND	1.0		µg/L	1	5/3/2017 5:54:50 AM	D42503
sec-Butylbenzene	ND	1.0		µg/L	1	5/3/2017 5:54:50 AM	D42503
Styrene	ND	1.0		µg/L	1	5/3/2017 5:54:50 AM	D42503
tert-Butylbenzene	ND	1.0		µg/L	1	5/3/2017 5:54:50 AM	D42503
1,1,1,2-Tetrachloroethane	ND	1.0		µg/L	1	5/3/2017 5:54:50 AM	D42503
1,1,2,2-Tetrachloroethane	ND	2.0		µg/L	1	5/3/2017 5:54:50 AM	D42503
Tetrachloroethene (PCE)	ND	1.0		µg/L	1	5/3/2017 5:54:50 AM	D42503
trans-1,2-DCE	ND	1.0		µg/L	1	5/3/2017 5:54:50 AM	D42503
trans-1,3-Dichloropropene	ND	1.0		µg/L	1	5/3/2017 5:54:50 AM	D42503
1,2,3-Trichlorobenzene	ND	1.0		µg/L	1	5/3/2017 5:54:50 AM	D42503
1,2,4-Trichlorobenzene	ND	1.0		µg/L	1	5/3/2017 5:54:50 AM	D42503
1,1,1-Trichloroethane	ND	1.0		µg/L	1	5/3/2017 5:54:50 AM	D42503
1,1,2-Trichloroethane	ND	1.0		µg/L	1	5/3/2017 5:54:50 AM	D42503
Trichloroethene (TCE)	ND	1.0		µg/L	1	5/3/2017 5:54:50 AM	D42503
Trichlorofluoromethane	ND	1.0		µg/L	1	5/3/2017 5:54:50 AM	D42503
1,2,3-Trichloropropane	ND	2.0		µg/L	1	5/3/2017 5:54:50 AM	D42503
Vinyl chloride	ND	1.0		µg/L	1	5/3/2017 5:54:50 AM	D42503
Xylenes, Total	ND	1.5		µg/L	1	5/3/2017 5:54:50 AM	D42503
Surr: 1,2-Dichloroethane-d4	95.6	70-130		%Rec	1	5/3/2017 5:54:50 AM	D42503
Surr: 4-Bromofluorobenzene	96.6	70-130		%Rec	1	5/3/2017 5:54:50 AM	D42503
Surr: Dibromofluoromethane	95.8	70-130		%Rec	1	5/3/2017 5:54:50 AM	D42503
Surr: Toluene-d8	101	70-130		%Rec	1	5/3/2017 5:54:50 AM	D42503

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Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
R	RPD outside accepted recovery limits	RL	Reporting Detection Limit
S	% Recovery outside of range due to dilution or matrix	W	Sample container temperature is out of limit as specified

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD
Client Sample ID: GW11103552-042617MW-5
Project: WT-1
Collection Date: 4/26/2017 3:50:00 PM
Lab ID: 1705010-010
Matrix: AQUEOUS
Received Date: 4/29/2017 8:00:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8270C: SEMIVOLATILES						Analyst: **DAM**	
Acenaphthene	ND	50	D	µg/L	1	5/5/2017 3:12:44 PM	31518
Acenaphthylene	ND	50	D	µg/L	1	5/5/2017 3:12:44 PM	31518
Aniline	ND	50	D	µg/L	1	5/5/2017 3:12:44 PM	31518
Anthracene	ND	50	D	µg/L	1	5/5/2017 3:12:44 PM	31518
Azobenzene	ND	50	D	µg/L	1	5/5/2017 3:12:44 PM	31518
Benz(a)anthracene	ND	50	D	µg/L	1	5/5/2017 3:12:44 PM	31518
Benzo(a)pyrene	ND	50	D	µg/L	1	5/5/2017 3:12:44 PM	31518
Benzo(b)fluoranthene	ND	50	D	µg/L	1	5/5/2017 3:12:44 PM	31518
Benzo(g,h,i)perylene	ND	50	D	µg/L	1	5/5/2017 3:12:44 PM	31518
Benzo(k)fluoranthene	ND	50	D	µg/L	1	5/5/2017 3:12:44 PM	31518
Benzoic acid	ND	100	D	µg/L	1	5/5/2017 3:12:44 PM	31518
Benzyl alcohol	ND	50	D	µg/L	1	5/5/2017 3:12:44 PM	31518
Bis(2-chloroethoxy)methane	ND	50	D	µg/L	1	5/5/2017 3:12:44 PM	31518
Bis(2-chloroethyl)ether	ND	50	D	µg/L	1	5/5/2017 3:12:44 PM	31518
Bis(2-chloroisopropyl)ether	ND	50	D	µg/L	1	5/5/2017 3:12:44 PM	31518
Bis(2-ethylhexyl)phthalate	ND	50	D	µg/L	1	5/5/2017 3:12:44 PM	31518
4-Bromophenyl phenyl ether	ND	50	D	µg/L	1	5/5/2017 3:12:44 PM	31518
Butyl benzyl phthalate	ND	50	D	µg/L	1	5/5/2017 3:12:44 PM	31518
Carbazole	ND	50	D	µg/L	1	5/5/2017 3:12:44 PM	31518
4-Chloro-3-methylphenol	ND	50	D	µg/L	1	5/5/2017 3:12:44 PM	31518
4-Chloroaniline	ND	50	D	µg/L	1	5/5/2017 3:12:44 PM	31518
2-Chloronaphthalene	ND	50	D	µg/L	1	5/5/2017 3:12:44 PM	31518
2-Chlorophenol	ND	50	D	µg/L	1	5/5/2017 3:12:44 PM	31518
4-Chlorophenyl phenyl ether	ND	50	D	µg/L	1	5/5/2017 3:12:44 PM	31518
Chrysene	ND	50	D	µg/L	1	5/5/2017 3:12:44 PM	31518
Di-n-butyl phthalate	ND	50	D	µg/L	1	5/5/2017 3:12:44 PM	31518
Di-n-octyl phthalate	ND	50	D	µg/L	1	5/5/2017 3:12:44 PM	31518
Dibenz(a,h)anthracene	ND	50	D	µg/L	1	5/5/2017 3:12:44 PM	31518
Dibenzofuran	ND	50	D	µg/L	1	5/5/2017 3:12:44 PM	31518
1,2-Dichlorobenzene	ND	50	D	µg/L	1	5/5/2017 3:12:44 PM	31518
1,3-Dichlorobenzene	ND	50	D	µg/L	1	5/5/2017 3:12:44 PM	31518
1,4-Dichlorobenzene	ND	50	D	µg/L	1	5/5/2017 3:12:44 PM	31518
3,3´-Dichlorobenzidine	ND	50	D	µg/L	1	5/5/2017 3:12:44 PM	31518
Diethyl phthalate	ND	50	D	µg/L	1	5/5/2017 3:12:44 PM	31518
Dimethyl phthalate	ND	50	D	µg/L	1	5/5/2017 3:12:44 PM	31518
2,4-Dichlorophenol	ND	100	D	µg/L	1	5/5/2017 3:12:44 PM	31518
2,4-Dimethylphenol	54	50	D	µg/L	1	5/5/2017 3:12:44 PM	31518
4,6-Dinitro-2-methylphenol	ND	100	D	µg/L	1	5/5/2017 3:12:44 PM	31518
2,4-Dinitrophenol	ND	100	D	µg/L	1	5/5/2017 3:12:44 PM	31518

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
R	RPD outside accepted recovery limits	RL	Reporting Detection Limit
S	% Recovery outside of range due to dilution or matrix	W	Sample container temperature is out of limit as specified

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD
Client Sample ID: GW11103552-042617MW-5
Project: WT-1
Collection Date: 4/26/2017 3:50:00 PM
Lab ID: 1705010-010
Matrix: AQUEOUS
Received Date: 4/29/2017 8:00:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8270C: SEMIVOLATILES						Analyst: **DAM**	
2,4-Dinitrotoluene	ND	50	D	µg/L	1	5/5/2017 3:12:44 PM	31518
2,6-Dinitrotoluene	ND	50	D	µg/L	1	5/5/2017 3:12:44 PM	31518
Fluoranthene	ND	50	D	µg/L	1	5/5/2017 3:12:44 PM	31518
Fluorene	ND	50	D	µg/L	1	5/5/2017 3:12:44 PM	31518
Hexachlorobenzene	ND	50	D	µg/L	1	5/5/2017 3:12:44 PM	31518
Hexachlorobutadiene	ND	50	D	µg/L	1	5/5/2017 3:12:44 PM	31518
Hexachlorocyclopentadiene	ND	50	D	µg/L	1	5/5/2017 3:12:44 PM	31518
Hexachloroethane	ND	50	D	µg/L	1	5/5/2017 3:12:44 PM	31518
Indeno(1,2,3-cd)pyrene	ND	50	D	µg/L	1	5/5/2017 3:12:44 PM	31518
Isophorone	ND	50	D	µg/L	1	5/5/2017 3:12:44 PM	31518
1-Methylnaphthalene	ND	50	D	µg/L	1	5/5/2017 3:12:44 PM	31518
2-Methylnaphthalene	ND	50	D	µg/L	1	5/5/2017 3:12:44 PM	31518
2-Methylphenol	ND	50	D	µg/L	1	5/5/2017 3:12:44 PM	31518
3+4-Methylphenol	ND	50	D	µg/L	1	5/5/2017 3:12:44 PM	31518
N-Nitrosodi-n-propylamine	ND	50	D	µg/L	1	5/5/2017 3:12:44 PM	31518
N-Nitrosodimethylamine	ND	50	D	µg/L	1	5/5/2017 3:12:44 PM	31518
N-Nitrosodiphenylamine	ND	50	D	µg/L	1	5/5/2017 3:12:44 PM	31518
Naphthalene	ND	50	D	µg/L	1	5/5/2017 3:12:44 PM	31518
2-Nitroaniline	ND	50	D	µg/L	1	5/5/2017 3:12:44 PM	31518
3-Nitroaniline	ND	50	D	µg/L	1	5/5/2017 3:12:44 PM	31518
4-Nitroaniline	ND	50	D	µg/L	1	5/5/2017 3:12:44 PM	31518
Nitrobenzene	ND	50	D	µg/L	1	5/5/2017 3:12:44 PM	31518
2-Nitrophenol	ND	50	D	µg/L	1	5/5/2017 3:12:44 PM	31518
4-Nitrophenol	ND	50	D	µg/L	1	5/5/2017 3:12:44 PM	31518
Pentachlorophenol	ND	100	D	µg/L	1	5/5/2017 3:12:44 PM	31518
Phenanthrene	ND	50	D	µg/L	1	5/5/2017 3:12:44 PM	31518
Phenol	ND	50	D	µg/L	1	5/5/2017 3:12:44 PM	31518
Pyrene	ND	50	D	µg/L	1	5/5/2017 3:12:44 PM	31518
Pyridine	ND	50	D	µg/L	1	5/5/2017 3:12:44 PM	31518
1,2,4-Trichlorobenzene	ND	50	D	µg/L	1	5/5/2017 3:12:44 PM	31518
2,4,5-Trichlorophenol	ND	50	D	µg/L	1	5/5/2017 3:12:44 PM	31518
2,4,6-Trichlorophenol	ND	50	D	µg/L	1	5/5/2017 3:12:44 PM	31518
Surr: 2-Fluorophenol	42.9	15-98.1	D	%Rec	1	5/5/2017 3:12:44 PM	31518
Surr: Phenol-d5	33.3	15-80.7	D	%Rec	1	5/5/2017 3:12:44 PM	31518
Surr: 2,4,6-Tribromophenol	61.3	15-112	D	%Rec	1	5/5/2017 3:12:44 PM	31518
Surr: Nitrobenzene-d5	62.9	27.2-90.7	D	%Rec	1	5/5/2017 3:12:44 PM	31518
Surr: 2-Fluorobiphenyl	53.6	23.3-85.6	D	%Rec	1	5/5/2017 3:12:44 PM	31518
Surr: 4-Terphenyl-d14	56.1	27.6-107	D	%Rec	1	5/5/2017 3:12:44 PM	31518
EPA METHOD 8260B: VOLATILES						Analyst: **DJF**	

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
R	RPD outside accepted recovery limits	RL	Reporting Detection Limit
S	% Recovery outside of range due to dilution or matrix	W	Sample container temperature is out of limit as specified

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD
Client Sample ID: GW11103552-042617MW-5
Project: WT-1
Collection Date: 4/26/2017 3:50:00 PM
Lab ID: 1705010-010
Matrix: AQUEOUS
Received Date: 4/29/2017 8:00:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8260B: VOLATILES						Analyst: **DJF**	
Benzene	9.1	1.0		µg/L	1	5/3/2017 6:23:29 AM	D42503
Toluene	1.6	1.0		µg/L	1	5/3/2017 6:23:29 AM	D42503
Ethylbenzene	3.8	1.0		µg/L	1	5/3/2017 6:23:29 AM	D42503
Methyl tert-butyl ether (MTBE)	ND	1.0		µg/L	1	5/3/2017 6:23:29 AM	D42503
1,2,4-Trimethylbenzene	10	1.0		µg/L	1	5/3/2017 6:23:29 AM	D42503
1,3,5-Trimethylbenzene	4.5	1.0		µg/L	1	5/3/2017 6:23:29 AM	D42503
1,2-Dichloroethane (EDC)	ND	1.0		µg/L	1	5/3/2017 6:23:29 AM	D42503
1,2-Dibromoethane (EDB)	ND	1.0		µg/L	1	5/3/2017 6:23:29 AM	D42503
Naphthalene	6.0	2.0		µg/L	1	5/3/2017 6:23:29 AM	D42503
1-Methylnaphthalene	ND	4.0		µg/L	1	5/3/2017 6:23:29 AM	D42503
2-Methylnaphthalene	ND	4.0		µg/L	1	5/3/2017 6:23:29 AM	D42503
Acetone	13	10		µg/L	1	5/3/2017 6:23:29 AM	D42503
Bromobenzene	ND	1.0		µg/L	1	5/3/2017 6:23:29 AM	D42503
Bromodichloromethane	ND	1.0		µg/L	1	5/3/2017 6:23:29 AM	D42503
Bromoform	ND	1.0		µg/L	1	5/3/2017 6:23:29 AM	D42503
Bromomethane	ND	3.0		µg/L	1	5/3/2017 6:23:29 AM	D42503
2-Butanone	ND	10		µg/L	1	5/3/2017 6:23:29 AM	D42503
Carbon disulfide	ND	10		µg/L	1	5/3/2017 6:23:29 AM	D42503
Carbon Tetrachloride	ND	1.0		µg/L	1	5/3/2017 6:23:29 AM	D42503
Chlorobenzene	ND	1.0		µg/L	1	5/3/2017 6:23:29 AM	D42503
Chloroethane	ND	2.0		µg/L	1	5/3/2017 6:23:29 AM	D42503
Chloroform	ND	1.0		µg/L	1	5/3/2017 6:23:29 AM	D42503
Chloromethane	ND	3.0		µg/L	1	5/3/2017 6:23:29 AM	D42503
2-Chlorotoluene	ND	1.0		µg/L	1	5/3/2017 6:23:29 AM	D42503
4-Chlorotoluene	ND	1.0		µg/L	1	5/3/2017 6:23:29 AM	D42503
cis-1,2-DCE	26	1.0		µg/L	1	5/3/2017 6:23:29 AM	D42503
cis-1,3-Dichloropropene	ND	1.0		µg/L	1	5/3/2017 6:23:29 AM	D42503
1,2-Dibromo-3-chloropropane	ND	2.0		µg/L	1	5/3/2017 6:23:29 AM	D42503
Dibromochloromethane	ND	1.0		µg/L	1	5/3/2017 6:23:29 AM	D42503
Dibromomethane	ND	1.0		µg/L	1	5/3/2017 6:23:29 AM	D42503
1,2-Dichlorobenzene	ND	1.0		µg/L	1	5/3/2017 6:23:29 AM	D42503
1,3-Dichlorobenzene	ND	1.0		µg/L	1	5/3/2017 6:23:29 AM	D42503
1,4-Dichlorobenzene	ND	1.0		µg/L	1	5/3/2017 6:23:29 AM	D42503
Dichlorodifluoromethane	ND	1.0		µg/L	1	5/3/2017 6:23:29 AM	D42503
1,1-Dichloroethane	87	1.0		µg/L	1	5/3/2017 6:23:29 AM	D42503
1,1-Dichloroethene	1.3	1.0		µg/L	1	5/3/2017 6:23:29 AM	D42503
1,2-Dichloropropane	ND	1.0		µg/L	1	5/3/2017 6:23:29 AM	D42503
1,3-Dichloropropane	ND	1.0		µg/L	1	5/3/2017 6:23:29 AM	D42503
2,2-Dichloropropane	ND	2.0		µg/L	1	5/3/2017 6:23:29 AM	D42503

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
R	RPD outside accepted recovery limits	RL	Reporting Detection Limit
S	% Recovery outside of range due to dilution or matrix	W	Sample container temperature is out of limit as specified

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD
Client Sample ID: GW11103552-042617MW-5
Project: WT-1
Collection Date: 4/26/2017 3:50:00 PM
Lab ID: 1705010-010
Matrix: AQUEOUS
Received Date: 4/29/2017 8:00:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8260B: VOLATILES						Analyst: **DJF**	
1,1-Dichloropropene	ND	1.0		µg/L	1	5/3/2017 6:23:29 AM	D42503
Hexachlorobutadiene	ND	1.0		µg/L	1	5/3/2017 6:23:29 AM	D42503
2-Hexanone	ND	10		µg/L	1	5/3/2017 6:23:29 AM	D42503
Isopropylbenzene	ND	1.0		µg/L	1	5/3/2017 6:23:29 AM	D42503
4-Isopropyltoluene	ND	1.0		µg/L	1	5/3/2017 6:23:29 AM	D42503
4-Methyl-2-pentanone	ND	10		µg/L	1	5/3/2017 6:23:29 AM	D42503
Methylene Chloride	ND	3.0		µg/L	1	5/3/2017 6:23:29 AM	D42503
n-Butylbenzene	ND	3.0		µg/L	1	5/3/2017 6:23:29 AM	D42503
n-Propylbenzene	ND	1.0		µg/L	1	5/3/2017 6:23:29 AM	D42503
sec-Butylbenzene	ND	1.0		µg/L	1	5/3/2017 6:23:29 AM	D42503
Styrene	ND	1.0		µg/L	1	5/3/2017 6:23:29 AM	D42503
tert-Butylbenzene	ND	1.0		µg/L	1	5/3/2017 6:23:29 AM	D42503
1,1,1,2-Tetrachloroethane	ND	1.0		µg/L	1	5/3/2017 6:23:29 AM	D42503
1,1,2,2-Tetrachloroethane	ND	2.0		µg/L	1	5/3/2017 6:23:29 AM	D42503
Tetrachloroethene (PCE)	ND	1.0		µg/L	1	5/3/2017 6:23:29 AM	D42503
trans-1,2-DCE	ND	1.0		µg/L	1	5/3/2017 6:23:29 AM	D42503
trans-1,3-Dichloropropene	ND	1.0		µg/L	1	5/3/2017 6:23:29 AM	D42503
1,2,3-Trichlorobenzene	ND	1.0		µg/L	1	5/3/2017 6:23:29 AM	D42503
1,2,4-Trichlorobenzene	ND	1.0		µg/L	1	5/3/2017 6:23:29 AM	D42503
1,1,1-Trichloroethane	ND	1.0		µg/L	1	5/3/2017 6:23:29 AM	D42503
1,1,2-Trichloroethane	ND	1.0		µg/L	1	5/3/2017 6:23:29 AM	D42503
Trichloroethene (TCE)	21	1.0		µg/L	1	5/3/2017 6:23:29 AM	D42503
Trichlorofluoromethane	ND	1.0		µg/L	1	5/3/2017 6:23:29 AM	D42503
1,2,3-Trichloropropane	ND	2.0		µg/L	1	5/3/2017 6:23:29 AM	D42503
Vinyl chloride	ND	1.0		µg/L	1	5/3/2017 6:23:29 AM	D42503
Xylenes, Total	6.1	1.5		µg/L	1	5/3/2017 6:23:29 AM	D42503
Surr: 1,2-Dichloroethane-d4	94.7	70-130		%Rec	1	5/3/2017 6:23:29 AM	D42503
Surr: 4-Bromofluorobenzene	96.1	70-130		%Rec	1	5/3/2017 6:23:29 AM	D42503
Surr: Dibromofluoromethane	97.9	70-130		%Rec	1	5/3/2017 6:23:29 AM	D42503
Surr: Toluene-d8	101	70-130		%Rec	1	5/3/2017 6:23:29 AM	D42503

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Qualifiers:

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D	Sample Diluted Due to Matrix	E	Value above quantitation range
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ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
R	RPD outside accepted recovery limits	RL	Reporting Detection Limit
S	% Recovery outside of range due to dilution or matrix	W	Sample container temperature is out of limit as specified

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD
Client Sample ID: GW11103552-042717MW-6
Project: WT-1
Collection Date: 4/27/2017 9:20:00 AM
Lab ID: 1705010-011
Matrix: AQUEOUS
Received Date: 4/29/2017 8:00:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8270C: SEMIVOLATILES						Analyst: **DAM**	
Acenaphthene	ND	10		µg/L	1	5/5/2017 3:40:35 PM	31518
Acenaphthylene	ND	10		µg/L	1	5/5/2017 3:40:35 PM	31518
Aniline	ND	10		µg/L	1	5/5/2017 3:40:35 PM	31518
Anthracene	ND	10		µg/L	1	5/5/2017 3:40:35 PM	31518
Azobenzene	ND	10		µg/L	1	5/5/2017 3:40:35 PM	31518
Benz(a)anthracene	ND	10		µg/L	1	5/5/2017 3:40:35 PM	31518
Benzo(a)pyrene	ND	10		µg/L	1	5/5/2017 3:40:35 PM	31518
Benzo(b)fluoranthene	ND	10		µg/L	1	5/5/2017 3:40:35 PM	31518
Benzo(g,h,i)perylene	ND	10		µg/L	1	5/5/2017 3:40:35 PM	31518
Benzo(k)fluoranthene	ND	10		µg/L	1	5/5/2017 3:40:35 PM	31518
Benzoic acid	ND	20		µg/L	1	5/5/2017 3:40:35 PM	31518
Benzyl alcohol	ND	10		µg/L	1	5/5/2017 3:40:35 PM	31518
Bis(2-chloroethoxy)methane	ND	10		µg/L	1	5/5/2017 3:40:35 PM	31518
Bis(2-chloroethyl)ether	ND	10		µg/L	1	5/5/2017 3:40:35 PM	31518
Bis(2-chloroisopropyl)ether	ND	10		µg/L	1	5/5/2017 3:40:35 PM	31518
Bis(2-ethylhexyl)phthalate	ND	10		µg/L	1	5/5/2017 3:40:35 PM	31518
4-Bromophenyl phenyl ether	ND	10		µg/L	1	5/5/2017 3:40:35 PM	31518
Butyl benzyl phthalate	ND	10		µg/L	1	5/5/2017 3:40:35 PM	31518
Carbazole	ND	10		µg/L	1	5/5/2017 3:40:35 PM	31518
4-Chloro-3-methylphenol	ND	10		µg/L	1	5/5/2017 3:40:35 PM	31518
4-Chloroaniline	ND	10		µg/L	1	5/5/2017 3:40:35 PM	31518
2-Chloronaphthalene	ND	10		µg/L	1	5/5/2017 3:40:35 PM	31518
2-Chlorophenol	ND	10		µg/L	1	5/5/2017 3:40:35 PM	31518
4-Chlorophenyl phenyl ether	ND	10		µg/L	1	5/5/2017 3:40:35 PM	31518
Chrysene	ND	10		µg/L	1	5/5/2017 3:40:35 PM	31518
Di-n-butyl phthalate	ND	10		µg/L	1	5/5/2017 3:40:35 PM	31518
Di-n-octyl phthalate	ND	10		µg/L	1	5/5/2017 3:40:35 PM	31518
Dibenz(a,h)anthracene	ND	10		µg/L	1	5/5/2017 3:40:35 PM	31518
Dibenzofuran	ND	10		µg/L	1	5/5/2017 3:40:35 PM	31518
1,2-Dichlorobenzene	ND	10		µg/L	1	5/5/2017 3:40:35 PM	31518
1,3-Dichlorobenzene	ND	10		µg/L	1	5/5/2017 3:40:35 PM	31518
1,4-Dichlorobenzene	ND	10		µg/L	1	5/5/2017 3:40:35 PM	31518
3,3´-Dichlorobenzidine	ND	10		µg/L	1	5/5/2017 3:40:35 PM	31518
Diethyl phthalate	ND	10		µg/L	1	5/5/2017 3:40:35 PM	31518
Dimethyl phthalate	ND	10		µg/L	1	5/5/2017 3:40:35 PM	31518
2,4-Dichlorophenol	ND	20		µg/L	1	5/5/2017 3:40:35 PM	31518
2,4-Dimethylphenol	ND	10		µg/L	1	5/5/2017 3:40:35 PM	31518
4,6-Dinitro-2-methylphenol	ND	20		µg/L	1	5/5/2017 3:40:35 PM	31518
2,4-Dinitrophenol	ND	20		µg/L	1	5/5/2017 3:40:35 PM	31518

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Qualifiers:

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D	Sample Diluted Due to Matrix	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
R	RPD outside accepted recovery limits	RL	Reporting Detection Limit
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Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD
Client Sample ID: GW11103552-042717MW-6
Project: WT-1
Collection Date: 4/27/2017 9:20:00 AM
Lab ID: 1705010-011
Matrix: AQUEOUS
Received Date: 4/29/2017 8:00:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8270C: SEMIVOLATILES						Analyst: **DAM**	
2,4-Dinitrotoluene	ND	10		µg/L	1	5/5/2017 3:40:35 PM	31518
2,6-Dinitrotoluene	ND	10		µg/L	1	5/5/2017 3:40:35 PM	31518
Fluoranthene	ND	10		µg/L	1	5/5/2017 3:40:35 PM	31518
Fluorene	ND	10		µg/L	1	5/5/2017 3:40:35 PM	31518
Hexachlorobenzene	ND	10		µg/L	1	5/5/2017 3:40:35 PM	31518
Hexachlorobutadiene	ND	10		µg/L	1	5/5/2017 3:40:35 PM	31518
Hexachlorocyclopentadiene	ND	10		µg/L	1	5/5/2017 3:40:35 PM	31518
Hexachloroethane	ND	10		µg/L	1	5/5/2017 3:40:35 PM	31518
Indeno(1,2,3-cd)pyrene	ND	10		µg/L	1	5/5/2017 3:40:35 PM	31518
Isophorone	ND	10		µg/L	1	5/5/2017 3:40:35 PM	31518
1-Methylnaphthalene	ND	10		µg/L	1	5/5/2017 3:40:35 PM	31518
2-Methylnaphthalene	ND	10		µg/L	1	5/5/2017 3:40:35 PM	31518
2-Methylphenol	ND	10		µg/L	1	5/5/2017 3:40:35 PM	31518
3+4-Methylphenol	ND	10		µg/L	1	5/5/2017 3:40:35 PM	31518
N-Nitrosodi-n-propylamine	ND	10		µg/L	1	5/5/2017 3:40:35 PM	31518
N-Nitrosodimethylamine	ND	10		µg/L	1	5/5/2017 3:40:35 PM	31518
N-Nitrosodiphenylamine	ND	10		µg/L	1	5/5/2017 3:40:35 PM	31518
Naphthalene	ND	10		µg/L	1	5/5/2017 3:40:35 PM	31518
2-Nitroaniline	ND	10		µg/L	1	5/5/2017 3:40:35 PM	31518
3-Nitroaniline	ND	10		µg/L	1	5/5/2017 3:40:35 PM	31518
4-Nitroaniline	ND	10		µg/L	1	5/5/2017 3:40:35 PM	31518
Nitrobenzene	ND	10		µg/L	1	5/5/2017 3:40:35 PM	31518
2-Nitrophenol	ND	10		µg/L	1	5/5/2017 3:40:35 PM	31518
4-Nitrophenol	ND	10		µg/L	1	5/5/2017 3:40:35 PM	31518
Pentachlorophenol	ND	20		µg/L	1	5/5/2017 3:40:35 PM	31518
Phenanthrene	ND	10		µg/L	1	5/5/2017 3:40:35 PM	31518
Phenol	ND	10		µg/L	1	5/5/2017 3:40:35 PM	31518
Pyrene	ND	10		µg/L	1	5/5/2017 3:40:35 PM	31518
Pyridine	ND	10		µg/L	1	5/5/2017 3:40:35 PM	31518
1,2,4-Trichlorobenzene	ND	10		µg/L	1	5/5/2017 3:40:35 PM	31518
2,4,5-Trichlorophenol	ND	10		µg/L	1	5/5/2017 3:40:35 PM	31518
2,4,6-Trichlorophenol	ND	10		µg/L	1	5/5/2017 3:40:35 PM	31518
Surr: 2-Fluorophenol	57.6	15-98.1		%Rec	1	5/5/2017 3:40:35 PM	31518
Surr: Phenol-d5	39.3	15-80.7		%Rec	1	5/5/2017 3:40:35 PM	31518
Surr: 2,4,6-Tribromophenol	78.0	15-112		%Rec	1	5/5/2017 3:40:35 PM	31518
Surr: Nitrobenzene-d5	84.1	27.2-90.7		%Rec	1	5/5/2017 3:40:35 PM	31518
Surr: 2-Fluorobiphenyl	77.8	23.3-85.6		%Rec	1	5/5/2017 3:40:35 PM	31518
Surr: 4-Terphenyl-d14	66.9	27.6-107		%Rec	1	5/5/2017 3:40:35 PM	31518
EPA METHOD 8260B: VOLATILES						Analyst: **DJF**	

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Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Value above quantitation range
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ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
R	RPD outside accepted recovery limits	RL	Reporting Detection Limit
S	% Recovery outside of range due to dilution or matrix	W	Sample container temperature is out of limit as specified

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD
Client Sample ID: GW11103552-042717MW-6
Project: WT-1
Collection Date: 4/27/2017 9:20:00 AM
Lab ID: 1705010-011
Matrix: AQUEOUS
Received Date: 4/29/2017 8:00:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8260B: VOLATILES						Analyst: **DJF**	
Benzene	ND	1.0		µg/L	1	5/3/2017 6:51:51 AM	D42503
Toluene	ND	1.0		µg/L	1	5/3/2017 6:51:51 AM	D42503
Ethylbenzene	ND	1.0		µg/L	1	5/3/2017 6:51:51 AM	D42503
Methyl tert-butyl ether (MTBE)	ND	1.0		µg/L	1	5/3/2017 6:51:51 AM	D42503
1,2,4-Trimethylbenzene	ND	1.0		µg/L	1	5/3/2017 6:51:51 AM	D42503
1,3,5-Trimethylbenzene	ND	1.0		µg/L	1	5/3/2017 6:51:51 AM	D42503
1,2-Dichloroethane (EDC)	ND	1.0		µg/L	1	5/3/2017 6:51:51 AM	D42503
1,2-Dibromoethane (EDB)	ND	1.0		µg/L	1	5/3/2017 6:51:51 AM	D42503
Naphthalene	ND	2.0		µg/L	1	5/3/2017 6:51:51 AM	D42503
1-Methylnaphthalene	ND	4.0		µg/L	1	5/3/2017 6:51:51 AM	D42503
2-Methylnaphthalene	ND	4.0		µg/L	1	5/3/2017 6:51:51 AM	D42503
Acetone	ND	10		µg/L	1	5/3/2017 6:51:51 AM	D42503
Bromobenzene	ND	1.0		µg/L	1	5/3/2017 6:51:51 AM	D42503
Bromodichloromethane	ND	1.0		µg/L	1	5/3/2017 6:51:51 AM	D42503
Bromoform	ND	1.0		µg/L	1	5/3/2017 6:51:51 AM	D42503
Bromomethane	ND	3.0		µg/L	1	5/3/2017 6:51:51 AM	D42503
2-Butanone	ND	10		µg/L	1	5/3/2017 6:51:51 AM	D42503
Carbon disulfide	ND	10		µg/L	1	5/3/2017 6:51:51 AM	D42503
Carbon Tetrachloride	ND	1.0		µg/L	1	5/3/2017 6:51:51 AM	D42503
Chlorobenzene	ND	1.0		µg/L	1	5/3/2017 6:51:51 AM	D42503
Chloroethane	ND	2.0		µg/L	1	5/3/2017 6:51:51 AM	D42503
Chloroform	ND	1.0		µg/L	1	5/3/2017 6:51:51 AM	D42503
Chloromethane	ND	3.0		µg/L	1	5/3/2017 6:51:51 AM	D42503
2-Chlorotoluene	ND	1.0		µg/L	1	5/3/2017 6:51:51 AM	D42503
4-Chlorotoluene	ND	1.0		µg/L	1	5/3/2017 6:51:51 AM	D42503
cis-1,2-DCE	2.1	1.0		µg/L	1	5/3/2017 6:51:51 AM	D42503
cis-1,3-Dichloropropene	ND	1.0		µg/L	1	5/3/2017 6:51:51 AM	D42503
1,2-Dibromo-3-chloropropane	ND	2.0		µg/L	1	5/3/2017 6:51:51 AM	D42503
Dibromochloromethane	ND	1.0		µg/L	1	5/3/2017 6:51:51 AM	D42503
Dibromomethane	ND	1.0		µg/L	1	5/3/2017 6:51:51 AM	D42503
1,2-Dichlorobenzene	ND	1.0		µg/L	1	5/3/2017 6:51:51 AM	D42503
1,3-Dichlorobenzene	ND	1.0		µg/L	1	5/3/2017 6:51:51 AM	D42503
1,4-Dichlorobenzene	ND	1.0		µg/L	1	5/3/2017 6:51:51 AM	D42503
Dichlorodifluoromethane	ND	1.0		µg/L	1	5/3/2017 6:51:51 AM	D42503
1,1-Dichloroethane	3.2	1.0		µg/L	1	5/3/2017 6:51:51 AM	D42503
1,1-Dichloroethene	ND	1.0		µg/L	1	5/3/2017 6:51:51 AM	D42503
1,2-Dichloropropane	ND	1.0		µg/L	1	5/3/2017 6:51:51 AM	D42503
1,3-Dichloropropane	ND	1.0		µg/L	1	5/3/2017 6:51:51 AM	D42503
2,2-Dichloropropane	ND	2.0		µg/L	1	5/3/2017 6:51:51 AM	D42503

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
R	RPD outside accepted recovery limits	RL	Reporting Detection Limit
S	% Recovery outside of range due to dilution or matrix	W	Sample container temperature is out of limit as specified

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD
Client Sample ID: GW11103552-042717MW-6
Project: WT-1
Collection Date: 4/27/2017 9:20:00 AM
Lab ID: 1705010-011
Matrix: AQUEOUS
Received Date: 4/29/2017 8:00:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8260B: VOLATILES						Analyst: **DJF**	
1,1-Dichloropropene	ND	1.0		µg/L	1	5/3/2017 6:51:51 AM	D42503
Hexachlorobutadiene	ND	1.0		µg/L	1	5/3/2017 6:51:51 AM	D42503
2-Hexanone	ND	10		µg/L	1	5/3/2017 6:51:51 AM	D42503
Isopropylbenzene	ND	1.0		µg/L	1	5/3/2017 6:51:51 AM	D42503
4-Isopropyltoluene	ND	1.0		µg/L	1	5/3/2017 6:51:51 AM	D42503
4-Methyl-2-pentanone	ND	10		µg/L	1	5/3/2017 6:51:51 AM	D42503
Methylene Chloride	ND	3.0		µg/L	1	5/3/2017 6:51:51 AM	D42503
n-Butylbenzene	ND	3.0		µg/L	1	5/3/2017 6:51:51 AM	D42503
n-Propylbenzene	ND	1.0		µg/L	1	5/3/2017 6:51:51 AM	D42503
sec-Butylbenzene	ND	1.0		µg/L	1	5/3/2017 6:51:51 AM	D42503
Styrene	ND	1.0		µg/L	1	5/3/2017 6:51:51 AM	D42503
tert-Butylbenzene	ND	1.0		µg/L	1	5/3/2017 6:51:51 AM	D42503
1,1,1,2-Tetrachloroethane	ND	1.0		µg/L	1	5/3/2017 6:51:51 AM	D42503
1,1,2,2-Tetrachloroethane	ND	2.0		µg/L	1	5/3/2017 6:51:51 AM	D42503
Tetrachloroethene (PCE)	ND	1.0		µg/L	1	5/3/2017 6:51:51 AM	D42503
trans-1,2-DCE	ND	1.0		µg/L	1	5/3/2017 6:51:51 AM	D42503
trans-1,3-Dichloropropene	ND	1.0		µg/L	1	5/3/2017 6:51:51 AM	D42503
1,2,3-Trichlorobenzene	ND	1.0		µg/L	1	5/3/2017 6:51:51 AM	D42503
1,2,4-Trichlorobenzene	ND	1.0		µg/L	1	5/3/2017 6:51:51 AM	D42503
1,1,1-Trichloroethane	ND	1.0		µg/L	1	5/3/2017 6:51:51 AM	D42503
1,1,2-Trichloroethane	ND	1.0		µg/L	1	5/3/2017 6:51:51 AM	D42503
Trichloroethene (TCE)	3.2	1.0		µg/L	1	5/3/2017 6:51:51 AM	D42503
Trichlorofluoromethane	ND	1.0		µg/L	1	5/3/2017 6:51:51 AM	D42503
1,2,3-Trichloropropane	ND	2.0		µg/L	1	5/3/2017 6:51:51 AM	D42503
Vinyl chloride	ND	1.0		µg/L	1	5/3/2017 6:51:51 AM	D42503
Xylenes, Total	ND	1.5		µg/L	1	5/3/2017 6:51:51 AM	D42503
Surr: 1,2-Dichloroethane-d4	96.7	70-130		%Rec	1	5/3/2017 6:51:51 AM	D42503
Surr: 4-Bromofluorobenzene	99.0	70-130		%Rec	1	5/3/2017 6:51:51 AM	D42503
Surr: Dibromofluoromethane	97.6	70-130		%Rec	1	5/3/2017 6:51:51 AM	D42503
Surr: Toluene-d8	102	70-130		%Rec	1	5/3/2017 6:51:51 AM	D42503

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Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
R	RPD outside accepted recovery limits	RL	Reporting Detection Limit
S	% Recovery outside of range due to dilution or matrix	W	Sample container temperature is out of limit as specified

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD
Client Sample ID: GW11103552-042617MW-7
Project: WT-1
Collection Date: 4/26/2017 3:20:00 PM
Lab ID: 1705010-012
Matrix: AQUEOUS
Received Date: 4/29/2017 8:00:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8270C: SEMIVOLATILES						Analyst: **DAM**	
Acenaphthene	ND	10		µg/L	1	5/5/2017 4:08:23 PM	31518
Acenaphthylene	ND	10		µg/L	1	5/5/2017 4:08:23 PM	31518
Aniline	ND	10		µg/L	1	5/5/2017 4:08:23 PM	31518
Anthracene	ND	10		µg/L	1	5/5/2017 4:08:23 PM	31518
Azobenzene	ND	10		µg/L	1	5/5/2017 4:08:23 PM	31518
Benz(a)anthracene	ND	10		µg/L	1	5/5/2017 4:08:23 PM	31518
Benzo(a)pyrene	ND	10		µg/L	1	5/5/2017 4:08:23 PM	31518
Benzo(b)fluoranthene	ND	10		µg/L	1	5/5/2017 4:08:23 PM	31518
Benzo(g,h,i)perylene	ND	10		µg/L	1	5/5/2017 4:08:23 PM	31518
Benzo(k)fluoranthene	ND	10		µg/L	1	5/5/2017 4:08:23 PM	31518
Benzoic acid	ND	20		µg/L	1	5/5/2017 4:08:23 PM	31518
Benzyl alcohol	ND	10		µg/L	1	5/5/2017 4:08:23 PM	31518
Bis(2-chloroethoxy)methane	ND	10		µg/L	1	5/5/2017 4:08:23 PM	31518
Bis(2-chloroethyl)ether	ND	10		µg/L	1	5/5/2017 4:08:23 PM	31518
Bis(2-chloroisopropyl)ether	ND	10		µg/L	1	5/5/2017 4:08:23 PM	31518
Bis(2-ethylhexyl)phthalate	ND	10		µg/L	1	5/5/2017 4:08:23 PM	31518
4-Bromophenyl phenyl ether	ND	10		µg/L	1	5/5/2017 4:08:23 PM	31518
Butyl benzyl phthalate	ND	10		µg/L	1	5/5/2017 4:08:23 PM	31518
Carbazole	ND	10		µg/L	1	5/5/2017 4:08:23 PM	31518
4-Chloro-3-methylphenol	ND	10		µg/L	1	5/5/2017 4:08:23 PM	31518
4-Chloroaniline	ND	10		µg/L	1	5/5/2017 4:08:23 PM	31518
2-Chloronaphthalene	ND	10		µg/L	1	5/5/2017 4:08:23 PM	31518
2-Chlorophenol	ND	10		µg/L	1	5/5/2017 4:08:23 PM	31518
4-Chlorophenyl phenyl ether	ND	10		µg/L	1	5/5/2017 4:08:23 PM	31518
Chrysene	ND	10		µg/L	1	5/5/2017 4:08:23 PM	31518
Di-n-butyl phthalate	ND	10		µg/L	1	5/5/2017 4:08:23 PM	31518
Di-n-octyl phthalate	ND	10		µg/L	1	5/5/2017 4:08:23 PM	31518
Dibenz(a,h)anthracene	ND	10		µg/L	1	5/5/2017 4:08:23 PM	31518
Dibenzofuran	ND	10		µg/L	1	5/5/2017 4:08:23 PM	31518
1,2-Dichlorobenzene	ND	10		µg/L	1	5/5/2017 4:08:23 PM	31518
1,3-Dichlorobenzene	ND	10		µg/L	1	5/5/2017 4:08:23 PM	31518
1,4-Dichlorobenzene	ND	10		µg/L	1	5/5/2017 4:08:23 PM	31518
3,3´-Dichlorobenzidine	ND	10		µg/L	1	5/5/2017 4:08:23 PM	31518
Diethyl phthalate	ND	10		µg/L	1	5/5/2017 4:08:23 PM	31518
Dimethyl phthalate	ND	10		µg/L	1	5/5/2017 4:08:23 PM	31518
2,4-Dichlorophenol	ND	20		µg/L	1	5/5/2017 4:08:23 PM	31518
2,4-Dimethylphenol	ND	10		µg/L	1	5/5/2017 4:08:23 PM	31518
4,6-Dinitro-2-methylphenol	ND	20		µg/L	1	5/5/2017 4:08:23 PM	31518
2,4-Dinitrophenol	ND	20		µg/L	1	5/5/2017 4:08:23 PM	31518

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Qualifiers:

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D	Sample Diluted Due to Matrix	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
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Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD
Client Sample ID: GW11103552-042617MW-7
Project: WT-1
Collection Date: 4/26/2017 3:20:00 PM
Lab ID: 1705010-012
Matrix: AQUEOUS
Received Date: 4/29/2017 8:00:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8270C: SEMIVOLATILES						Analyst: **DAM**	
2,4-Dinitrotoluene	ND	10		µg/L	1	5/5/2017 4:08:23 PM	31518
2,6-Dinitrotoluene	ND	10		µg/L	1	5/5/2017 4:08:23 PM	31518
Fluoranthene	ND	10		µg/L	1	5/5/2017 4:08:23 PM	31518
Fluorene	ND	10		µg/L	1	5/5/2017 4:08:23 PM	31518
Hexachlorobenzene	ND	10		µg/L	1	5/5/2017 4:08:23 PM	31518
Hexachlorobutadiene	ND	10		µg/L	1	5/5/2017 4:08:23 PM	31518
Hexachlorocyclopentadiene	ND	10		µg/L	1	5/5/2017 4:08:23 PM	31518
Hexachloroethane	ND	10		µg/L	1	5/5/2017 4:08:23 PM	31518
Indeno(1,2,3-cd)pyrene	ND	10		µg/L	1	5/5/2017 4:08:23 PM	31518
Isophorone	ND	10		µg/L	1	5/5/2017 4:08:23 PM	31518
1-Methylnaphthalene	ND	10		µg/L	1	5/5/2017 4:08:23 PM	31518
2-Methylnaphthalene	ND	10		µg/L	1	5/5/2017 4:08:23 PM	31518
2-Methylphenol	ND	10		µg/L	1	5/5/2017 4:08:23 PM	31518
3+4-Methylphenol	ND	10		µg/L	1	5/5/2017 4:08:23 PM	31518
N-Nitrosodi-n-propylamine	ND	10		µg/L	1	5/5/2017 4:08:23 PM	31518
N-Nitrosodimethylamine	ND	10		µg/L	1	5/5/2017 4:08:23 PM	31518
N-Nitrosodiphenylamine	ND	10		µg/L	1	5/5/2017 4:08:23 PM	31518
Naphthalene	ND	10		µg/L	1	5/5/2017 4:08:23 PM	31518
2-Nitroaniline	ND	10		µg/L	1	5/5/2017 4:08:23 PM	31518
3-Nitroaniline	ND	10		µg/L	1	5/5/2017 4:08:23 PM	31518
4-Nitroaniline	ND	10		µg/L	1	5/5/2017 4:08:23 PM	31518
Nitrobenzene	ND	10		µg/L	1	5/5/2017 4:08:23 PM	31518
2-Nitrophenol	ND	10		µg/L	1	5/5/2017 4:08:23 PM	31518
4-Nitrophenol	ND	10		µg/L	1	5/5/2017 4:08:23 PM	31518
Pentachlorophenol	ND	20		µg/L	1	5/5/2017 4:08:23 PM	31518
Phenanthrene	ND	10		µg/L	1	5/5/2017 4:08:23 PM	31518
Phenol	ND	10		µg/L	1	5/5/2017 4:08:23 PM	31518
Pyrene	ND	10		µg/L	1	5/5/2017 4:08:23 PM	31518
Pyridine	ND	10		µg/L	1	5/5/2017 4:08:23 PM	31518
1,2,4-Trichlorobenzene	ND	10		µg/L	1	5/5/2017 4:08:23 PM	31518
2,4,5-Trichlorophenol	ND	10		µg/L	1	5/5/2017 4:08:23 PM	31518
2,4,6-Trichlorophenol	ND	10		µg/L	1	5/5/2017 4:08:23 PM	31518
Surr: 2-Fluorophenol	47.9	15-98.1		%Rec	1	5/5/2017 4:08:23 PM	31518
Surr: Phenol-d5	31.9	15-80.7		%Rec	1	5/5/2017 4:08:23 PM	31518
Surr: 2,4,6-Tribromophenol	61.6	15-112		%Rec	1	5/5/2017 4:08:23 PM	31518
Surr: Nitrobenzene-d5	64.2	27.2-90.7		%Rec	1	5/5/2017 4:08:23 PM	31518
Surr: 2-Fluorobiphenyl	61.0	23.3-85.6		%Rec	1	5/5/2017 4:08:23 PM	31518
Surr: 4-Terphenyl-d14	54.3	27.6-107		%Rec	1	5/5/2017 4:08:23 PM	31518
EPA METHOD 8260B: VOLATILES						Analyst: **DJF**	

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Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD
Client Sample ID: GW11103552-042617MW-7
Project: WT-1
Collection Date: 4/26/2017 3:20:00 PM
Lab ID: 1705010-012
Matrix: AQUEOUS
Received Date: 4/29/2017 8:00:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8260B: VOLATILES						Analyst: **DJF**	
Benzene	ND	1.0		µg/L	1	5/3/2017 3:06:35 PM	W42531
Toluene	ND	1.0		µg/L	1	5/3/2017 3:06:35 PM	W42531
Ethylbenzene	ND	1.0		µg/L	1	5/3/2017 3:06:35 PM	W42531
Methyl tert-butyl ether (MTBE)	ND	1.0		µg/L	1	5/3/2017 3:06:35 PM	W42531
1,2,4-Trimethylbenzene	ND	1.0		µg/L	1	5/3/2017 3:06:35 PM	W42531
1,3,5-Trimethylbenzene	ND	1.0		µg/L	1	5/3/2017 3:06:35 PM	W42531
1,2-Dichloroethane (EDC)	ND	1.0		µg/L	1	5/3/2017 3:06:35 PM	W42531
1,2-Dibromoethane (EDB)	ND	1.0		µg/L	1	5/3/2017 3:06:35 PM	W42531
Naphthalene	ND	2.0		µg/L	1	5/3/2017 3:06:35 PM	W42531
1-Methylnaphthalene	ND	4.0		µg/L	1	5/3/2017 3:06:35 PM	W42531
2-Methylnaphthalene	ND	4.0		µg/L	1	5/3/2017 3:06:35 PM	W42531
Acetone	ND	10		µg/L	1	5/3/2017 3:06:35 PM	W42531
Bromobenzene	ND	1.0		µg/L	1	5/3/2017 3:06:35 PM	W42531
Bromodichloromethane	ND	1.0		µg/L	1	5/3/2017 3:06:35 PM	W42531
Bromoform	ND	1.0		µg/L	1	5/3/2017 3:06:35 PM	W42531
Bromomethane	ND	3.0		µg/L	1	5/3/2017 3:06:35 PM	W42531
2-Butanone	ND	10		µg/L	1	5/3/2017 3:06:35 PM	W42531
Carbon disulfide	ND	10		µg/L	1	5/3/2017 3:06:35 PM	W42531
Carbon Tetrachloride	ND	1.0		µg/L	1	5/3/2017 3:06:35 PM	W42531
Chlorobenzene	ND	1.0		µg/L	1	5/3/2017 3:06:35 PM	W42531
Chloroethane	ND	2.0		µg/L	1	5/3/2017 3:06:35 PM	W42531
Chloroform	ND	1.0		µg/L	1	5/3/2017 3:06:35 PM	W42531
Chloromethane	ND	3.0		µg/L	1	5/3/2017 3:06:35 PM	W42531
2-Chlorotoluene	ND	1.0		µg/L	1	5/3/2017 3:06:35 PM	W42531
4-Chlorotoluene	ND	1.0		µg/L	1	5/3/2017 3:06:35 PM	W42531
cis-1,2-DCE	32	1.0		µg/L	1	5/3/2017 3:06:35 PM	W42531
cis-1,3-Dichloropropene	ND	1.0		µg/L	1	5/3/2017 3:06:35 PM	W42531
1,2-Dibromo-3-chloropropane	ND	2.0		µg/L	1	5/3/2017 3:06:35 PM	W42531
Dibromochloromethane	ND	1.0		µg/L	1	5/3/2017 3:06:35 PM	W42531
Dibromomethane	ND	1.0		µg/L	1	5/3/2017 3:06:35 PM	W42531
1,2-Dichlorobenzene	ND	1.0		µg/L	1	5/3/2017 3:06:35 PM	W42531
1,3-Dichlorobenzene	ND	1.0		µg/L	1	5/3/2017 3:06:35 PM	W42531
1,4-Dichlorobenzene	ND	1.0		µg/L	1	5/3/2017 3:06:35 PM	W42531
Dichlorodifluoromethane	ND	1.0		µg/L	1	5/3/2017 3:06:35 PM	W42531
1,1-Dichloroethane	30	1.0		µg/L	1	5/3/2017 3:06:35 PM	W42531
1,1-Dichloroethene	ND	1.0		µg/L	1	5/3/2017 3:06:35 PM	W42531
1,2-Dichloropropane	ND	1.0		µg/L	1	5/3/2017 3:06:35 PM	W42531
1,3-Dichloropropane	ND	1.0		µg/L	1	5/3/2017 3:06:35 PM	W42531
2,2-Dichloropropane	ND	2.0		µg/L	1	5/3/2017 3:06:35 PM	W42531

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Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD
Client Sample ID: GW11103552-042617MW-7
Project: WT-1
Collection Date: 4/26/2017 3:20:00 PM
Lab ID: 1705010-012
Matrix: AQUEOUS
Received Date: 4/29/2017 8:00:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8260B: VOLATILES						Analyst: **DJF**	
1,1-Dichloropropene	ND	1.0		µg/L	1	5/3/2017 3:06:35 PM	W42531
Hexachlorobutadiene	ND	1.0		µg/L	1	5/3/2017 3:06:35 PM	W42531
2-Hexanone	ND	10		µg/L	1	5/3/2017 3:06:35 PM	W42531
Isopropylbenzene	ND	1.0		µg/L	1	5/3/2017 3:06:35 PM	W42531
4-Isopropyltoluene	ND	1.0		µg/L	1	5/3/2017 3:06:35 PM	W42531
4-Methyl-2-pentanone	ND	10		µg/L	1	5/3/2017 3:06:35 PM	W42531
Methylene Chloride	ND	3.0		µg/L	1	5/3/2017 3:06:35 PM	W42531
n-Butylbenzene	ND	3.0		µg/L	1	5/3/2017 3:06:35 PM	W42531
n-Propylbenzene	ND	1.0		µg/L	1	5/3/2017 3:06:35 PM	W42531
sec-Butylbenzene	ND	1.0		µg/L	1	5/3/2017 3:06:35 PM	W42531
Styrene	ND	1.0		µg/L	1	5/3/2017 3:06:35 PM	W42531
tert-Butylbenzene	ND	1.0		µg/L	1	5/3/2017 3:06:35 PM	W42531
1,1,1,2-Tetrachloroethane	ND	1.0		µg/L	1	5/3/2017 3:06:35 PM	W42531
1,1,2,2-Tetrachloroethane	ND	2.0		µg/L	1	5/3/2017 3:06:35 PM	W42531
Tetrachloroethene (PCE)	ND	1.0		µg/L	1	5/3/2017 3:06:35 PM	W42531
trans-1,2-DCE	ND	1.0		µg/L	1	5/3/2017 3:06:35 PM	W42531
trans-1,3-Dichloropropene	ND	1.0		µg/L	1	5/3/2017 3:06:35 PM	W42531
1,2,3-Trichlorobenzene	ND	1.0		µg/L	1	5/3/2017 3:06:35 PM	W42531
1,2,4-Trichlorobenzene	ND	1.0		µg/L	1	5/3/2017 3:06:35 PM	W42531
1,1,1-Trichloroethane	ND	1.0		µg/L	1	5/3/2017 3:06:35 PM	W42531
1,1,2-Trichloroethane	ND	1.0		µg/L	1	5/3/2017 3:06:35 PM	W42531
Trichloroethene (TCE)	4.5	1.0		µg/L	1	5/3/2017 3:06:35 PM	W42531
Trichlorofluoromethane	ND	1.0		µg/L	1	5/3/2017 3:06:35 PM	W42531
1,2,3-Trichloropropane	ND	2.0		µg/L	1	5/3/2017 3:06:35 PM	W42531
Vinyl chloride	ND	1.0		µg/L	1	5/3/2017 3:06:35 PM	W42531
Xylenes, Total	ND	1.5		µg/L	1	5/3/2017 3:06:35 PM	W42531
Surr: 1,2-Dichloroethane-d4	94.4	70-130		%Rec	1	5/3/2017 3:06:35 PM	W42531
Surr: 4-Bromofluorobenzene	96.2	70-130		%Rec	1	5/3/2017 3:06:35 PM	W42531
Surr: Dibromofluoromethane	95.0	70-130		%Rec	1	5/3/2017 3:06:35 PM	W42531
Surr: Toluene-d8	101	70-130		%Rec	1	5/3/2017 3:06:35 PM	W42531

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ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
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Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD
Client Sample ID: GW11103552-042617MW-8
Project: WT-1
Collection Date: 4/26/2017 2:50:00 PM
Lab ID: 1705010-013
Matrix: AQUEOUS
Received Date: 4/29/2017 8:00:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8270C: SEMIVOLATILES						Analyst: **DAM**	
Acenaphthene	ND	10		µg/L	1	5/5/2017 4:36:13 PM	31518
Acenaphthylene	ND	10		µg/L	1	5/5/2017 4:36:13 PM	31518
Aniline	ND	10		µg/L	1	5/5/2017 4:36:13 PM	31518
Anthracene	ND	10		µg/L	1	5/5/2017 4:36:13 PM	31518
Azobenzene	ND	10		µg/L	1	5/5/2017 4:36:13 PM	31518
Benz(a)anthracene	ND	10		µg/L	1	5/5/2017 4:36:13 PM	31518
Benzo(a)pyrene	ND	10		µg/L	1	5/5/2017 4:36:13 PM	31518
Benzo(b)fluoranthene	ND	10		µg/L	1	5/5/2017 4:36:13 PM	31518
Benzo(g,h,i)perylene	ND	10		µg/L	1	5/5/2017 4:36:13 PM	31518
Benzo(k)fluoranthene	ND	10		µg/L	1	5/5/2017 4:36:13 PM	31518
Benzoic acid	ND	20		µg/L	1	5/5/2017 4:36:13 PM	31518
Benzyl alcohol	ND	10		µg/L	1	5/5/2017 4:36:13 PM	31518
Bis(2-chloroethoxy)methane	ND	10		µg/L	1	5/5/2017 4:36:13 PM	31518
Bis(2-chloroethyl)ether	ND	10		µg/L	1	5/5/2017 4:36:13 PM	31518
Bis(2-chloroisopropyl)ether	ND	10		µg/L	1	5/5/2017 4:36:13 PM	31518
Bis(2-ethylhexyl)phthalate	ND	10		µg/L	1	5/5/2017 4:36:13 PM	31518
4-Bromophenyl phenyl ether	ND	10		µg/L	1	5/5/2017 4:36:13 PM	31518
Butyl benzyl phthalate	ND	10		µg/L	1	5/5/2017 4:36:13 PM	31518
Carbazole	ND	10		µg/L	1	5/5/2017 4:36:13 PM	31518
4-Chloro-3-methylphenol	ND	10		µg/L	1	5/5/2017 4:36:13 PM	31518
4-Chloroaniline	ND	10		µg/L	1	5/5/2017 4:36:13 PM	31518
2-Chloronaphthalene	ND	10		µg/L	1	5/5/2017 4:36:13 PM	31518
2-Chlorophenol	ND	10		µg/L	1	5/5/2017 4:36:13 PM	31518
4-Chlorophenyl phenyl ether	ND	10		µg/L	1	5/5/2017 4:36:13 PM	31518
Chrysene	ND	10		µg/L	1	5/5/2017 4:36:13 PM	31518
Di-n-butyl phthalate	ND	10		µg/L	1	5/5/2017 4:36:13 PM	31518
Di-n-octyl phthalate	ND	10		µg/L	1	5/5/2017 4:36:13 PM	31518
Dibenz(a,h)anthracene	ND	10		µg/L	1	5/5/2017 4:36:13 PM	31518
Dibenzofuran	ND	10		µg/L	1	5/5/2017 4:36:13 PM	31518
1,2-Dichlorobenzene	ND	10		µg/L	1	5/5/2017 4:36:13 PM	31518
1,3-Dichlorobenzene	ND	10		µg/L	1	5/5/2017 4:36:13 PM	31518
1,4-Dichlorobenzene	ND	10		µg/L	1	5/5/2017 4:36:13 PM	31518
3,3´-Dichlorobenzidine	ND	10		µg/L	1	5/5/2017 4:36:13 PM	31518
Diethyl phthalate	ND	10		µg/L	1	5/5/2017 4:36:13 PM	31518
Dimethyl phthalate	ND	10		µg/L	1	5/5/2017 4:36:13 PM	31518
2,4-Dichlorophenol	ND	20		µg/L	1	5/5/2017 4:36:13 PM	31518
2,4-Dimethylphenol	ND	10		µg/L	1	5/5/2017 4:36:13 PM	31518
4,6-Dinitro-2-methylphenol	ND	20		µg/L	1	5/5/2017 4:36:13 PM	31518
2,4-Dinitrophenol	ND	20		µg/L	1	5/5/2017 4:36:13 PM	31518

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
R	RPD outside accepted recovery limits	RL	Reporting Detection Limit
S	% Recovery outside of range due to dilution or matrix	W	Sample container temperature is out of limit as specified

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD
Client Sample ID: GW11103552-042617MW-8
Project: WT-1
Collection Date: 4/26/2017 2:50:00 PM
Lab ID: 1705010-013
Matrix: AQUEOUS
Received Date: 4/29/2017 8:00:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8270C: SEMIVOLATILES						Analyst: **DAM**	
2,4-Dinitrotoluene	ND	10		µg/L	1	5/5/2017 4:36:13 PM	31518
2,6-Dinitrotoluene	ND	10		µg/L	1	5/5/2017 4:36:13 PM	31518
Fluoranthene	ND	10		µg/L	1	5/5/2017 4:36:13 PM	31518
Fluorene	ND	10		µg/L	1	5/5/2017 4:36:13 PM	31518
Hexachlorobenzene	ND	10		µg/L	1	5/5/2017 4:36:13 PM	31518
Hexachlorobutadiene	ND	10		µg/L	1	5/5/2017 4:36:13 PM	31518
Hexachlorocyclopentadiene	ND	10		µg/L	1	5/5/2017 4:36:13 PM	31518
Hexachloroethane	ND	10		µg/L	1	5/5/2017 4:36:13 PM	31518
Indeno(1,2,3-cd)pyrene	ND	10		µg/L	1	5/5/2017 4:36:13 PM	31518
Isophorone	ND	10		µg/L	1	5/5/2017 4:36:13 PM	31518
1-Methylnaphthalene	ND	10		µg/L	1	5/5/2017 4:36:13 PM	31518
2-Methylnaphthalene	ND	10		µg/L	1	5/5/2017 4:36:13 PM	31518
2-Methylphenol	ND	10		µg/L	1	5/5/2017 4:36:13 PM	31518
3+4-Methylphenol	ND	10		µg/L	1	5/5/2017 4:36:13 PM	31518
N-Nitrosodi-n-propylamine	ND	10		µg/L	1	5/5/2017 4:36:13 PM	31518
N-Nitrosodimethylamine	ND	10		µg/L	1	5/5/2017 4:36:13 PM	31518
N-Nitrosodiphenylamine	ND	10		µg/L	1	5/5/2017 4:36:13 PM	31518
Naphthalene	ND	10		µg/L	1	5/5/2017 4:36:13 PM	31518
2-Nitroaniline	ND	10		µg/L	1	5/5/2017 4:36:13 PM	31518
3-Nitroaniline	ND	10		µg/L	1	5/5/2017 4:36:13 PM	31518
4-Nitroaniline	ND	10		µg/L	1	5/5/2017 4:36:13 PM	31518
Nitrobenzene	ND	10		µg/L	1	5/5/2017 4:36:13 PM	31518
2-Nitrophenol	ND	10		µg/L	1	5/5/2017 4:36:13 PM	31518
4-Nitrophenol	ND	10		µg/L	1	5/5/2017 4:36:13 PM	31518
Pentachlorophenol	ND	20		µg/L	1	5/5/2017 4:36:13 PM	31518
Phenanthrene	ND	10		µg/L	1	5/5/2017 4:36:13 PM	31518
Phenol	ND	10		µg/L	1	5/5/2017 4:36:13 PM	31518
Pyrene	ND	10		µg/L	1	5/5/2017 4:36:13 PM	31518
Pyridine	ND	10		µg/L	1	5/5/2017 4:36:13 PM	31518
1,2,4-Trichlorobenzene	ND	10		µg/L	1	5/5/2017 4:36:13 PM	31518
2,4,5-Trichlorophenol	ND	10		µg/L	1	5/5/2017 4:36:13 PM	31518
2,4,6-Trichlorophenol	ND	10		µg/L	1	5/5/2017 4:36:13 PM	31518
Surr: 2-Fluorophenol	52.8	15-98.1		%Rec	1	5/5/2017 4:36:13 PM	31518
Surr: Phenol-d5	36.9	15-80.7		%Rec	1	5/5/2017 4:36:13 PM	31518
Surr: 2,4,6-Tribromophenol	70.4	15-112		%Rec	1	5/5/2017 4:36:13 PM	31518
Surr: Nitrobenzene-d5	77.0	27.2-90.7		%Rec	1	5/5/2017 4:36:13 PM	31518
Surr: 2-Fluorobiphenyl	68.3	23.3-85.6		%Rec	1	5/5/2017 4:36:13 PM	31518
Surr: 4-Terphenyl-d14	62.4	27.6-107		%Rec	1	5/5/2017 4:36:13 PM	31518
EPA METHOD 8260B: VOLATILES						Analyst: **DJF**	

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Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
R	RPD outside accepted recovery limits	RL	Reporting Detection Limit
S	% Recovery outside of range due to dilution or matrix	W	Sample container temperature is out of limit as specified

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD
Client Sample ID: GW11103552-042617MW-8
Project: WT-1
Collection Date: 4/26/2017 2:50:00 PM
Lab ID: 1705010-013
Matrix: AQUEOUS
Received Date: 4/29/2017 8:00:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8260B: VOLATILES						Analyst: **DJF**	
Benzene	2.7	1.0		µg/L	1	5/3/2017 3:35:24 PM	W42531
Toluene	ND	1.0		µg/L	1	5/3/2017 3:35:24 PM	W42531
Ethylbenzene	ND	1.0		µg/L	1	5/3/2017 3:35:24 PM	W42531
Methyl tert-butyl ether (MTBE)	ND	1.0		µg/L	1	5/3/2017 3:35:24 PM	W42531
1,2,4-Trimethylbenzene	ND	1.0		µg/L	1	5/3/2017 3:35:24 PM	W42531
1,3,5-Trimethylbenzene	ND	1.0		µg/L	1	5/3/2017 3:35:24 PM	W42531
1,2-Dichloroethane (EDC)	ND	1.0		µg/L	1	5/3/2017 3:35:24 PM	W42531
1,2-Dibromoethane (EDB)	ND	1.0		µg/L	1	5/3/2017 3:35:24 PM	W42531
Naphthalene	ND	2.0		µg/L	1	5/3/2017 3:35:24 PM	W42531
1-Methylnaphthalene	ND	4.0		µg/L	1	5/3/2017 3:35:24 PM	W42531
2-Methylnaphthalene	ND	4.0		µg/L	1	5/3/2017 3:35:24 PM	W42531
Acetone	ND	10		µg/L	1	5/3/2017 3:35:24 PM	W42531
Bromobenzene	ND	1.0		µg/L	1	5/3/2017 3:35:24 PM	W42531
Bromodichloromethane	ND	1.0		µg/L	1	5/3/2017 3:35:24 PM	W42531
Bromoform	ND	1.0		µg/L	1	5/3/2017 3:35:24 PM	W42531
Bromomethane	ND	3.0		µg/L	1	5/3/2017 3:35:24 PM	W42531
2-Butanone	ND	10		µg/L	1	5/3/2017 3:35:24 PM	W42531
Carbon disulfide	ND	10		µg/L	1	5/3/2017 3:35:24 PM	W42531
Carbon Tetrachloride	ND	1.0		µg/L	1	5/3/2017 3:35:24 PM	W42531
Chlorobenzene	ND	1.0		µg/L	1	5/3/2017 3:35:24 PM	W42531
Chloroethane	ND	2.0		µg/L	1	5/3/2017 3:35:24 PM	W42531
Chloroform	ND	1.0		µg/L	1	5/3/2017 3:35:24 PM	W42531
Chloromethane	ND	3.0		µg/L	1	5/3/2017 3:35:24 PM	W42531
2-Chlorotoluene	ND	1.0		µg/L	1	5/3/2017 3:35:24 PM	W42531
4-Chlorotoluene	ND	1.0		µg/L	1	5/3/2017 3:35:24 PM	W42531
cis-1,2-DCE	56	1.0		µg/L	1	5/3/2017 3:35:24 PM	W42531
cis-1,3-Dichloropropene	ND	1.0		µg/L	1	5/3/2017 3:35:24 PM	W42531
1,2-Dibromo-3-chloropropane	ND	2.0		µg/L	1	5/3/2017 3:35:24 PM	W42531
Dibromochloromethane	ND	1.0		µg/L	1	5/3/2017 3:35:24 PM	W42531
Dibromomethane	ND	1.0		µg/L	1	5/3/2017 3:35:24 PM	W42531
1,2-Dichlorobenzene	ND	1.0		µg/L	1	5/3/2017 3:35:24 PM	W42531
1,3-Dichlorobenzene	ND	1.0		µg/L	1	5/3/2017 3:35:24 PM	W42531
1,4-Dichlorobenzene	ND	1.0		µg/L	1	5/3/2017 3:35:24 PM	W42531
Dichlorodifluoromethane	ND	1.0		µg/L	1	5/3/2017 3:35:24 PM	W42531
1,1-Dichloroethane	48	1.0		µg/L	1	5/3/2017 3:35:24 PM	W42531
1,1-Dichloroethene	1.9	1.0		µg/L	1	5/3/2017 3:35:24 PM	W42531
1,2-Dichloropropane	ND	1.0		µg/L	1	5/3/2017 3:35:24 PM	W42531
1,3-Dichloropropane	ND	1.0		µg/L	1	5/3/2017 3:35:24 PM	W42531
2,2-Dichloropropane	ND	2.0		µg/L	1	5/3/2017 3:35:24 PM	W42531

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
R	RPD outside accepted recovery limits	RL	Reporting Detection Limit
S	% Recovery outside of range due to dilution or matrix	W	Sample container temperature is out of limit as specified

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD
Client Sample ID: GW11103552-042617MW-8
Project: WT-1
Collection Date: 4/26/2017 2:50:00 PM
Lab ID: 1705010-013
Matrix: AQUEOUS
Received Date: 4/29/2017 8:00:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8260B: VOLATILES						Analyst: **DJF**	
1,1-Dichloropropene	ND	1.0		µg/L	1	5/3/2017 3:35:24 PM	W42531
Hexachlorobutadiene	ND	1.0		µg/L	1	5/3/2017 3:35:24 PM	W42531
2-Hexanone	ND	10		µg/L	1	5/3/2017 3:35:24 PM	W42531
Isopropylbenzene	ND	1.0		µg/L	1	5/3/2017 3:35:24 PM	W42531
4-Isopropyltoluene	ND	1.0		µg/L	1	5/3/2017 3:35:24 PM	W42531
4-Methyl-2-pentanone	ND	10		µg/L	1	5/3/2017 3:35:24 PM	W42531
Methylene Chloride	ND	3.0		µg/L	1	5/3/2017 3:35:24 PM	W42531
n-Butylbenzene	ND	3.0		µg/L	1	5/3/2017 3:35:24 PM	W42531
n-Propylbenzene	ND	1.0		µg/L	1	5/3/2017 3:35:24 PM	W42531
sec-Butylbenzene	ND	1.0		µg/L	1	5/3/2017 3:35:24 PM	W42531
Styrene	ND	1.0		µg/L	1	5/3/2017 3:35:24 PM	W42531
tert-Butylbenzene	ND	1.0		µg/L	1	5/3/2017 3:35:24 PM	W42531
1,1,1,2-Tetrachloroethane	ND	1.0		µg/L	1	5/3/2017 3:35:24 PM	W42531
1,1,2,2-Tetrachloroethane	ND	2.0		µg/L	1	5/3/2017 3:35:24 PM	W42531
Tetrachloroethene (PCE)	ND	1.0		µg/L	1	5/3/2017 3:35:24 PM	W42531
trans-1,2-DCE	ND	1.0		µg/L	1	5/3/2017 3:35:24 PM	W42531
trans-1,3-Dichloropropene	ND	1.0		µg/L	1	5/3/2017 3:35:24 PM	W42531
1,2,3-Trichlorobenzene	ND	1.0		µg/L	1	5/3/2017 3:35:24 PM	W42531
1,2,4-Trichlorobenzene	ND	1.0		µg/L	1	5/3/2017 3:35:24 PM	W42531
1,1,1-Trichloroethane	ND	1.0		µg/L	1	5/3/2017 3:35:24 PM	W42531
1,1,2-Trichloroethane	ND	1.0		µg/L	1	5/3/2017 3:35:24 PM	W42531
Trichloroethene (TCE)	21	1.0		µg/L	1	5/3/2017 3:35:24 PM	W42531
Trichlorofluoromethane	ND	1.0		µg/L	1	5/3/2017 3:35:24 PM	W42531
1,2,3-Trichloropropane	ND	2.0		µg/L	1	5/3/2017 3:35:24 PM	W42531
Vinyl chloride	ND	1.0		µg/L	1	5/3/2017 3:35:24 PM	W42531
Xylenes, Total	ND	1.5		µg/L	1	5/3/2017 3:35:24 PM	W42531
Surr: 1,2-Dichloroethane-d4	94.5	70-130		%Rec	1	5/3/2017 3:35:24 PM	W42531
Surr: 4-Bromofluorobenzene	101	70-130		%Rec	1	5/3/2017 3:35:24 PM	W42531
Surr: Dibromofluoromethane	93.4	70-130		%Rec	1	5/3/2017 3:35:24 PM	W42531
Surr: Toluene-d8	101	70-130		%Rec	1	5/3/2017 3:35:24 PM	W42531

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Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
R	RPD outside accepted recovery limits	RL	Reporting Detection Limit
S	% Recovery outside of range due to dilution or matrix	W	Sample container temperature is out of limit as specified

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD
Client Sample ID: GW11103552-042617MW-14
Project: WT-1
Collection Date: 4/26/2017 1:15:00 PM
Lab ID: 1705010-014
Matrix: AQUEOUS
Received Date: 4/29/2017 8:00:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8270C: SEMIVOLATILES						Analyst: **DAM**	
Acenaphthene	ND	10		µg/L	1	5/5/2017 5:03:58 PM	31518
Acenaphthylene	ND	10		µg/L	1	5/5/2017 5:03:58 PM	31518
Aniline	ND	10		µg/L	1	5/5/2017 5:03:58 PM	31518
Anthracene	ND	10		µg/L	1	5/5/2017 5:03:58 PM	31518
Azobenzene	ND	10		µg/L	1	5/5/2017 5:03:58 PM	31518
Benz(a)anthracene	ND	10		µg/L	1	5/5/2017 5:03:58 PM	31518
Benzo(a)pyrene	ND	10		µg/L	1	5/5/2017 5:03:58 PM	31518
Benzo(b)fluoranthene	ND	10		µg/L	1	5/5/2017 5:03:58 PM	31518
Benzo(g,h,i)perylene	ND	10		µg/L	1	5/5/2017 5:03:58 PM	31518
Benzo(k)fluoranthene	ND	10		µg/L	1	5/5/2017 5:03:58 PM	31518
Benzoic acid	ND	20		µg/L	1	5/5/2017 5:03:58 PM	31518
Benzyl alcohol	ND	10		µg/L	1	5/5/2017 5:03:58 PM	31518
Bis(2-chloroethoxy)methane	ND	10		µg/L	1	5/5/2017 5:03:58 PM	31518
Bis(2-chloroethyl)ether	ND	10		µg/L	1	5/5/2017 5:03:58 PM	31518
Bis(2-chloroisopropyl)ether	ND	10		µg/L	1	5/5/2017 5:03:58 PM	31518
Bis(2-ethylhexyl)phthalate	ND	10		µg/L	1	5/5/2017 5:03:58 PM	31518
4-Bromophenyl phenyl ether	ND	10		µg/L	1	5/5/2017 5:03:58 PM	31518
Butyl benzyl phthalate	ND	10		µg/L	1	5/5/2017 5:03:58 PM	31518
Carbazole	ND	10		µg/L	1	5/5/2017 5:03:58 PM	31518
4-Chloro-3-methylphenol	ND	10		µg/L	1	5/5/2017 5:03:58 PM	31518
4-Chloroaniline	ND	10		µg/L	1	5/5/2017 5:03:58 PM	31518
2-Chloronaphthalene	ND	10		µg/L	1	5/5/2017 5:03:58 PM	31518
2-Chlorophenol	ND	10		µg/L	1	5/5/2017 5:03:58 PM	31518
4-Chlorophenyl phenyl ether	ND	10		µg/L	1	5/5/2017 5:03:58 PM	31518
Chrysene	ND	10		µg/L	1	5/5/2017 5:03:58 PM	31518
Di-n-butyl phthalate	ND	10		µg/L	1	5/5/2017 5:03:58 PM	31518
Di-n-octyl phthalate	ND	10		µg/L	1	5/5/2017 5:03:58 PM	31518
Dibenz(a,h)anthracene	ND	10		µg/L	1	5/5/2017 5:03:58 PM	31518
Dibenzofuran	ND	10		µg/L	1	5/5/2017 5:03:58 PM	31518
1,2-Dichlorobenzene	ND	10		µg/L	1	5/5/2017 5:03:58 PM	31518
1,3-Dichlorobenzene	ND	10		µg/L	1	5/5/2017 5:03:58 PM	31518
1,4-Dichlorobenzene	ND	10		µg/L	1	5/5/2017 5:03:58 PM	31518
3,3´-Dichlorobenzidine	ND	10		µg/L	1	5/5/2017 5:03:58 PM	31518
Diethyl phthalate	ND	10		µg/L	1	5/5/2017 5:03:58 PM	31518
Dimethyl phthalate	ND	10		µg/L	1	5/5/2017 5:03:58 PM	31518
2,4-Dichlorophenol	ND	20		µg/L	1	5/5/2017 5:03:58 PM	31518
2,4-Dimethylphenol	ND	10		µg/L	1	5/5/2017 5:03:58 PM	31518
4,6-Dinitro-2-methylphenol	ND	20		µg/L	1	5/5/2017 5:03:58 PM	31518
2,4-Dinitrophenol	ND	20		µg/L	1	5/5/2017 5:03:58 PM	31518

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
R	RPD outside accepted recovery limits	RL	Reporting Detection Limit
S	% Recovery outside of range due to dilution or matrix	W	Sample container temperature is out of limit as specified

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD
Client Sample ID: GW11103552-042617MW-14
Project: WT-1
Collection Date: 4/26/2017 1:15:00 PM
Lab ID: 1705010-014
Matrix: AQUEOUS
Received Date: 4/29/2017 8:00:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8270C: SEMIVOLATILES						Analyst: **DAM**	
2,4-Dinitrotoluene	ND	10		µg/L	1	5/5/2017 5:03:58 PM	31518
2,6-Dinitrotoluene	ND	10		µg/L	1	5/5/2017 5:03:58 PM	31518
Fluoranthene	ND	10		µg/L	1	5/5/2017 5:03:58 PM	31518
Fluorene	ND	10		µg/L	1	5/5/2017 5:03:58 PM	31518
Hexachlorobenzene	ND	10		µg/L	1	5/5/2017 5:03:58 PM	31518
Hexachlorobutadiene	ND	10		µg/L	1	5/5/2017 5:03:58 PM	31518
Hexachlorocyclopentadiene	ND	10		µg/L	1	5/5/2017 5:03:58 PM	31518
Hexachloroethane	ND	10		µg/L	1	5/5/2017 5:03:58 PM	31518
Indeno(1,2,3-cd)pyrene	ND	10		µg/L	1	5/5/2017 5:03:58 PM	31518
Isophorone	ND	10		µg/L	1	5/5/2017 5:03:58 PM	31518
1-Methylnaphthalene	ND	10		µg/L	1	5/5/2017 5:03:58 PM	31518
2-Methylnaphthalene	ND	10		µg/L	1	5/5/2017 5:03:58 PM	31518
2-Methylphenol	ND	10		µg/L	1	5/5/2017 5:03:58 PM	31518
3+4-Methylphenol	ND	10		µg/L	1	5/5/2017 5:03:58 PM	31518
N-Nitrosodi-n-propylamine	ND	10		µg/L	1	5/5/2017 5:03:58 PM	31518
N-Nitrosodimethylamine	ND	10		µg/L	1	5/5/2017 5:03:58 PM	31518
N-Nitrosodiphenylamine	ND	10		µg/L	1	5/5/2017 5:03:58 PM	31518
Naphthalene	ND	10		µg/L	1	5/5/2017 5:03:58 PM	31518
2-Nitroaniline	ND	10		µg/L	1	5/5/2017 5:03:58 PM	31518
3-Nitroaniline	ND	10		µg/L	1	5/5/2017 5:03:58 PM	31518
4-Nitroaniline	ND	10		µg/L	1	5/5/2017 5:03:58 PM	31518
Nitrobenzene	ND	10		µg/L	1	5/5/2017 5:03:58 PM	31518
2-Nitrophenol	ND	10		µg/L	1	5/5/2017 5:03:58 PM	31518
4-Nitrophenol	ND	10		µg/L	1	5/5/2017 5:03:58 PM	31518
Pentachlorophenol	ND	20		µg/L	1	5/5/2017 5:03:58 PM	31518
Phenanthrene	ND	10		µg/L	1	5/5/2017 5:03:58 PM	31518
Phenol	ND	10		µg/L	1	5/5/2017 5:03:58 PM	31518
Pyrene	ND	10		µg/L	1	5/5/2017 5:03:58 PM	31518
Pyridine	ND	10		µg/L	1	5/5/2017 5:03:58 PM	31518
1,2,4-Trichlorobenzene	ND	10		µg/L	1	5/5/2017 5:03:58 PM	31518
2,4,5-Trichlorophenol	ND	10		µg/L	1	5/5/2017 5:03:58 PM	31518
2,4,6-Trichlorophenol	ND	10		µg/L	1	5/5/2017 5:03:58 PM	31518
Surr: 2-Fluorophenol	52.8	15-98.1		%Rec	1	5/5/2017 5:03:58 PM	31518
Surr: Phenol-d5	38.1	15-80.7		%Rec	1	5/5/2017 5:03:58 PM	31518
Surr: 2,4,6-Tribromophenol	75.7	15-112		%Rec	1	5/5/2017 5:03:58 PM	31518
Surr: Nitrobenzene-d5	81.4	27.2-90.7		%Rec	1	5/5/2017 5:03:58 PM	31518
Surr: 2-Fluorobiphenyl	77.1	23.3-85.6		%Rec	1	5/5/2017 5:03:58 PM	31518
Surr: 4-Terphenyl-d14	65.1	27.6-107		%Rec	1	5/5/2017 5:03:58 PM	31518
EPA METHOD 8260B: VOLATILES						Analyst: **DJF**	

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
R	RPD outside accepted recovery limits	RL	Reporting Detection Limit
S	% Recovery outside of range due to dilution or matrix	W	Sample container temperature is out of limit as specified

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD
Client Sample ID: GW11103552-042617MW-14
Project: WT-1
Collection Date: 4/26/2017 1:15:00 PM
Lab ID: 1705010-014
Matrix: AQUEOUS
Received Date: 4/29/2017 8:00:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8260B: VOLATILES						Analyst: **DJF**	
Benzene	ND	1.0		µg/L	1	5/3/2017 4:04:06 PM	W42531
Toluene	ND	1.0		µg/L	1	5/3/2017 4:04:06 PM	W42531
Ethylbenzene	ND	1.0		µg/L	1	5/3/2017 4:04:06 PM	W42531
Methyl tert-butyl ether (MTBE)	ND	1.0		µg/L	1	5/3/2017 4:04:06 PM	W42531
1,2,4-Trimethylbenzene	ND	1.0		µg/L	1	5/3/2017 4:04:06 PM	W42531
1,3,5-Trimethylbenzene	ND	1.0		µg/L	1	5/3/2017 4:04:06 PM	W42531
1,2-Dichloroethane (EDC)	ND	1.0		µg/L	1	5/3/2017 4:04:06 PM	W42531
1,2-Dibromoethane (EDB)	ND	1.0		µg/L	1	5/3/2017 4:04:06 PM	W42531
Naphthalene	ND	2.0		µg/L	1	5/3/2017 4:04:06 PM	W42531
1-Methylnaphthalene	ND	4.0		µg/L	1	5/3/2017 4:04:06 PM	W42531
2-Methylnaphthalene	ND	4.0		µg/L	1	5/3/2017 4:04:06 PM	W42531
Acetone	ND	10		µg/L	1	5/3/2017 4:04:06 PM	W42531
Bromobenzene	ND	1.0		µg/L	1	5/3/2017 4:04:06 PM	W42531
Bromodichloromethane	ND	1.0		µg/L	1	5/3/2017 4:04:06 PM	W42531
Bromoform	ND	1.0		µg/L	1	5/3/2017 4:04:06 PM	W42531
Bromomethane	ND	3.0		µg/L	1	5/3/2017 4:04:06 PM	W42531
2-Butanone	ND	10		µg/L	1	5/3/2017 4:04:06 PM	W42531
Carbon disulfide	ND	10		µg/L	1	5/3/2017 4:04:06 PM	W42531
Carbon Tetrachloride	ND	1.0		µg/L	1	5/3/2017 4:04:06 PM	W42531
Chlorobenzene	ND	1.0		µg/L	1	5/3/2017 4:04:06 PM	W42531
Chloroethane	ND	2.0		µg/L	1	5/3/2017 4:04:06 PM	W42531
Chloroform	ND	1.0		µg/L	1	5/3/2017 4:04:06 PM	W42531
Chloromethane	ND	3.0		µg/L	1	5/3/2017 4:04:06 PM	W42531
2-Chlorotoluene	ND	1.0		µg/L	1	5/3/2017 4:04:06 PM	W42531
4-Chlorotoluene	ND	1.0		µg/L	1	5/3/2017 4:04:06 PM	W42531
cis-1,2-DCE	ND	1.0		µg/L	1	5/3/2017 4:04:06 PM	W42531
cis-1,3-Dichloropropene	ND	1.0		µg/L	1	5/3/2017 4:04:06 PM	W42531
1,2-Dibromo-3-chloropropane	ND	2.0		µg/L	1	5/3/2017 4:04:06 PM	W42531
Dibromochloromethane	ND	1.0		µg/L	1	5/3/2017 4:04:06 PM	W42531
Dibromomethane	ND	1.0		µg/L	1	5/3/2017 4:04:06 PM	W42531
1,2-Dichlorobenzene	ND	1.0		µg/L	1	5/3/2017 4:04:06 PM	W42531
1,3-Dichlorobenzene	ND	1.0		µg/L	1	5/3/2017 4:04:06 PM	W42531
1,4-Dichlorobenzene	ND	1.0		µg/L	1	5/3/2017 4:04:06 PM	W42531
Dichlorodifluoromethane	ND	1.0		µg/L	1	5/3/2017 4:04:06 PM	W42531
1,1-Dichloroethane	6.7	1.0		µg/L	1	5/3/2017 4:04:06 PM	W42531
1,1-Dichloroethene	ND	1.0		µg/L	1	5/3/2017 4:04:06 PM	W42531
1,2-Dichloropropane	ND	1.0		µg/L	1	5/3/2017 4:04:06 PM	W42531
1,3-Dichloropropane	ND	1.0		µg/L	1	5/3/2017 4:04:06 PM	W42531
2,2-Dichloropropane	ND	2.0		µg/L	1	5/3/2017 4:04:06 PM	W42531

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Qualifiers:

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D	Sample Diluted Due to Matrix	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
R	RPD outside accepted recovery limits	RL	Reporting Detection Limit
S	% Recovery outside of range due to dilution or matrix	W	Sample container temperature is out of limit as specified

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD
Client Sample ID: GW11103552-042617MW-14
Project: WT-1
Collection Date: 4/26/2017 1:15:00 PM
Lab ID: 1705010-014
Matrix: AQUEOUS
Received Date: 4/29/2017 8:00:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8260B: VOLATILES						Analyst: **DJF**	
1,1-Dichloropropene	ND	1.0		µg/L	1	5/3/2017 4:04:06 PM	W42531
Hexachlorobutadiene	ND	1.0		µg/L	1	5/3/2017 4:04:06 PM	W42531
2-Hexanone	ND	10		µg/L	1	5/3/2017 4:04:06 PM	W42531
Isopropylbenzene	ND	1.0		µg/L	1	5/3/2017 4:04:06 PM	W42531
4-Isopropyltoluene	ND	1.0		µg/L	1	5/3/2017 4:04:06 PM	W42531
4-Methyl-2-pentanone	ND	10		µg/L	1	5/3/2017 4:04:06 PM	W42531
Methylene Chloride	ND	3.0		µg/L	1	5/3/2017 4:04:06 PM	W42531
n-Butylbenzene	ND	3.0		µg/L	1	5/3/2017 4:04:06 PM	W42531
n-Propylbenzene	ND	1.0		µg/L	1	5/3/2017 4:04:06 PM	W42531
sec-Butylbenzene	ND	1.0		µg/L	1	5/3/2017 4:04:06 PM	W42531
Styrene	ND	1.0		µg/L	1	5/3/2017 4:04:06 PM	W42531
tert-Butylbenzene	ND	1.0		µg/L	1	5/3/2017 4:04:06 PM	W42531
1,1,1,2-Tetrachloroethane	ND	1.0		µg/L	1	5/3/2017 4:04:06 PM	W42531
1,1,2,2-Tetrachloroethane	ND	2.0		µg/L	1	5/3/2017 4:04:06 PM	W42531
Tetrachloroethene (PCE)	ND	1.0		µg/L	1	5/3/2017 4:04:06 PM	W42531
trans-1,2-DCE	ND	1.0		µg/L	1	5/3/2017 4:04:06 PM	W42531
trans-1,3-Dichloropropene	ND	1.0		µg/L	1	5/3/2017 4:04:06 PM	W42531
1,2,3-Trichlorobenzene	ND	1.0		µg/L	1	5/3/2017 4:04:06 PM	W42531
1,2,4-Trichlorobenzene	ND	1.0		µg/L	1	5/3/2017 4:04:06 PM	W42531
1,1,1-Trichloroethane	ND	1.0		µg/L	1	5/3/2017 4:04:06 PM	W42531
1,1,2-Trichloroethane	ND	1.0		µg/L	1	5/3/2017 4:04:06 PM	W42531
Trichloroethene (TCE)	ND	1.0		µg/L	1	5/3/2017 4:04:06 PM	W42531
Trichlorofluoromethane	ND	1.0		µg/L	1	5/3/2017 4:04:06 PM	W42531
1,2,3-Trichloropropane	ND	2.0		µg/L	1	5/3/2017 4:04:06 PM	W42531
Vinyl chloride	ND	1.0		µg/L	1	5/3/2017 4:04:06 PM	W42531
Xylenes, Total	ND	1.5		µg/L	1	5/3/2017 4:04:06 PM	W42531
Surr: 1,2-Dichloroethane-d4	92.7	70-130		%Rec	1	5/3/2017 4:04:06 PM	W42531
Surr: 4-Bromofluorobenzene	94.4	70-130		%Rec	1	5/3/2017 4:04:06 PM	W42531
Surr: Dibromofluoromethane	90.7	70-130		%Rec	1	5/3/2017 4:04:06 PM	W42531
Surr: Toluene-d8	99.3	70-130		%Rec	1	5/3/2017 4:04:06 PM	W42531

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H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
R	RPD outside accepted recovery limits	RL	Reporting Detection Limit
S	% Recovery outside of range due to dilution or matrix	W	Sample container temperature is out of limit as specified

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD
Client Sample ID: GW11103552-042517SVE-12
Project: WT-1
Collection Date: 4/25/2017 1:15:00 PM
Lab ID: 1705010-015
Matrix: AQUEOUS
Received Date: 4/29/2017 8:00:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8270C: SEMIVOLATILES						Analyst: **DAM**	
Acenaphthene	ND	10		µg/L	1	5/5/2017 5:31:48 PM	31518
Acenaphthylene	ND	10		µg/L	1	5/5/2017 5:31:48 PM	31518
Aniline	ND	10		µg/L	1	5/5/2017 5:31:48 PM	31518
Anthracene	ND	10		µg/L	1	5/5/2017 5:31:48 PM	31518
Azobenzene	ND	10		µg/L	1	5/5/2017 5:31:48 PM	31518
Benz(a)anthracene	ND	10		µg/L	1	5/5/2017 5:31:48 PM	31518
Benzo(a)pyrene	ND	10		µg/L	1	5/5/2017 5:31:48 PM	31518
Benzo(b)fluoranthene	ND	10		µg/L	1	5/5/2017 5:31:48 PM	31518
Benzo(g,h,i)perylene	ND	10		µg/L	1	5/5/2017 5:31:48 PM	31518
Benzo(k)fluoranthene	ND	10		µg/L	1	5/5/2017 5:31:48 PM	31518
Benzoic acid	ND	20		µg/L	1	5/5/2017 5:31:48 PM	31518
Benzyl alcohol	ND	10		µg/L	1	5/5/2017 5:31:48 PM	31518
Bis(2-chloroethoxy)methane	ND	10		µg/L	1	5/5/2017 5:31:48 PM	31518
Bis(2-chloroethyl)ether	ND	10		µg/L	1	5/5/2017 5:31:48 PM	31518
Bis(2-chloroisopropyl)ether	ND	10		µg/L	1	5/5/2017 5:31:48 PM	31518
Bis(2-ethylhexyl)phthalate	18	10		µg/L	1	5/5/2017 5:31:48 PM	31518
4-Bromophenyl phenyl ether	ND	10		µg/L	1	5/5/2017 5:31:48 PM	31518
Butyl benzyl phthalate	ND	10		µg/L	1	5/5/2017 5:31:48 PM	31518
Carbazole	ND	10		µg/L	1	5/5/2017 5:31:48 PM	31518
4-Chloro-3-methylphenol	ND	10		µg/L	1	5/5/2017 5:31:48 PM	31518
4-Chloroaniline	ND	10		µg/L	1	5/5/2017 5:31:48 PM	31518
2-Chloronaphthalene	ND	10		µg/L	1	5/5/2017 5:31:48 PM	31518
2-Chlorophenol	ND	10		µg/L	1	5/5/2017 5:31:48 PM	31518
4-Chlorophenyl phenyl ether	ND	10		µg/L	1	5/5/2017 5:31:48 PM	31518
Chrysene	ND	10		µg/L	1	5/5/2017 5:31:48 PM	31518
Di-n-butyl phthalate	ND	10		µg/L	1	5/5/2017 5:31:48 PM	31518
Di-n-octyl phthalate	ND	10		µg/L	1	5/5/2017 5:31:48 PM	31518
Dibenz(a,h)anthracene	ND	10		µg/L	1	5/5/2017 5:31:48 PM	31518
Dibenzofuran	ND	10		µg/L	1	5/5/2017 5:31:48 PM	31518
1,2-Dichlorobenzene	ND	10		µg/L	1	5/5/2017 5:31:48 PM	31518
1,3-Dichlorobenzene	ND	10		µg/L	1	5/5/2017 5:31:48 PM	31518
1,4-Dichlorobenzene	ND	10		µg/L	1	5/5/2017 5:31:48 PM	31518
3,3´-Dichlorobenzidine	ND	10		µg/L	1	5/5/2017 5:31:48 PM	31518
Diethyl phthalate	ND	10		µg/L	1	5/5/2017 5:31:48 PM	31518
Dimethyl phthalate	ND	10		µg/L	1	5/5/2017 5:31:48 PM	31518
2,4-Dichlorophenol	ND	20		µg/L	1	5/5/2017 5:31:48 PM	31518
2,4-Dimethylphenol	ND	10		µg/L	1	5/5/2017 5:31:48 PM	31518
4,6-Dinitro-2-methylphenol	ND	20		µg/L	1	5/5/2017 5:31:48 PM	31518
2,4-Dinitrophenol	ND	20		µg/L	1	5/5/2017 5:31:48 PM	31518

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Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
R	RPD outside accepted recovery limits	RL	Reporting Detection Limit
S	% Recovery outside of range due to dilution or matrix	W	Sample container temperature is out of limit as specified

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD
Client Sample ID: GW11103552-042517SVE-12
Project: WT-1
Collection Date: 4/25/2017 1:15:00 PM
Lab ID: 1705010-015
Matrix: AQUEOUS
Received Date: 4/29/2017 8:00:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8270C: SEMIVOLATILES						Analyst: **DAM**	
2,4-Dinitrotoluene	ND	10		µg/L	1	5/5/2017 5:31:48 PM	31518
2,6-Dinitrotoluene	ND	10		µg/L	1	5/5/2017 5:31:48 PM	31518
Fluoranthene	ND	10		µg/L	1	5/5/2017 5:31:48 PM	31518
Fluorene	ND	10		µg/L	1	5/5/2017 5:31:48 PM	31518
Hexachlorobenzene	ND	10		µg/L	1	5/5/2017 5:31:48 PM	31518
Hexachlorobutadiene	ND	10		µg/L	1	5/5/2017 5:31:48 PM	31518
Hexachlorocyclopentadiene	ND	10		µg/L	1	5/5/2017 5:31:48 PM	31518
Hexachloroethane	ND	10		µg/L	1	5/5/2017 5:31:48 PM	31518
Indeno(1,2,3-cd)pyrene	ND	10		µg/L	1	5/5/2017 5:31:48 PM	31518
Isophorone	ND	10		µg/L	1	5/5/2017 5:31:48 PM	31518
1-Methylnaphthalene	ND	10		µg/L	1	5/5/2017 5:31:48 PM	31518
2-Methylnaphthalene	ND	10		µg/L	1	5/5/2017 5:31:48 PM	31518
2-Methylphenol	ND	10		µg/L	1	5/5/2017 5:31:48 PM	31518
3+4-Methylphenol	ND	10		µg/L	1	5/5/2017 5:31:48 PM	31518
N-Nitrosodi-n-propylamine	ND	10		µg/L	1	5/5/2017 5:31:48 PM	31518
N-Nitrosodimethylamine	ND	10		µg/L	1	5/5/2017 5:31:48 PM	31518
N-Nitrosodiphenylamine	ND	10		µg/L	1	5/5/2017 5:31:48 PM	31518
Naphthalene	ND	10		µg/L	1	5/5/2017 5:31:48 PM	31518
2-Nitroaniline	ND	10		µg/L	1	5/5/2017 5:31:48 PM	31518
3-Nitroaniline	ND	10		µg/L	1	5/5/2017 5:31:48 PM	31518
4-Nitroaniline	ND	10		µg/L	1	5/5/2017 5:31:48 PM	31518
Nitrobenzene	ND	10		µg/L	1	5/5/2017 5:31:48 PM	31518
2-Nitrophenol	ND	10		µg/L	1	5/5/2017 5:31:48 PM	31518
4-Nitrophenol	ND	10		µg/L	1	5/5/2017 5:31:48 PM	31518
Pentachlorophenol	ND	20		µg/L	1	5/5/2017 5:31:48 PM	31518
Phenanthrene	ND	10		µg/L	1	5/5/2017 5:31:48 PM	31518
Phenol	ND	10		µg/L	1	5/5/2017 5:31:48 PM	31518
Pyrene	ND	10		µg/L	1	5/5/2017 5:31:48 PM	31518
Pyridine	ND	10		µg/L	1	5/5/2017 5:31:48 PM	31518
1,2,4-Trichlorobenzene	ND	10		µg/L	1	5/5/2017 5:31:48 PM	31518
2,4,5-Trichlorophenol	ND	10		µg/L	1	5/5/2017 5:31:48 PM	31518
2,4,6-Trichlorophenol	ND	10		µg/L	1	5/5/2017 5:31:48 PM	31518
Surr: 2-Fluorophenol	50.1	15-98.1		%Rec	1	5/5/2017 5:31:48 PM	31518
Surr: Phenol-d5	38.1	15-80.7		%Rec	1	5/5/2017 5:31:48 PM	31518
Surr: 2,4,6-Tribromophenol	74.5	15-112		%Rec	1	5/5/2017 5:31:48 PM	31518
Surr: Nitrobenzene-d5	73.8	27.2-90.7		%Rec	1	5/5/2017 5:31:48 PM	31518
Surr: 2-Fluorobiphenyl	67.2	23.3-85.6		%Rec	1	5/5/2017 5:31:48 PM	31518
Surr: 4-Terphenyl-d14	61.3	27.6-107		%Rec	1	5/5/2017 5:31:48 PM	31518
EPA METHOD 8260B: VOLATILES						Analyst: **DJF**	

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Value above quantitation range
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ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
R	RPD outside accepted recovery limits	RL	Reporting Detection Limit
S	% Recovery outside of range due to dilution or matrix	W	Sample container temperature is out of limit as specified

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD
Client Sample ID: GW11103552-042517SVE-12
Project: WT-1
Collection Date: 4/25/2017 1:15:00 PM
Lab ID: 1705010-015
Matrix: AQUEOUS
Received Date: 4/29/2017 8:00:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8260B: VOLATILES						Analyst: **DJF**	
Benzene	430	20		µg/L	20	5/4/2017 6:40:25 PM	W42546
Toluene	1.1	1.0		µg/L	1	5/3/2017 4:32:45 PM	W42531
Ethylbenzene	60	1.0		µg/L	1	5/3/2017 4:32:45 PM	W42531
Methyl tert-butyl ether (MTBE)	ND	1.0		µg/L	1	5/3/2017 4:32:45 PM	W42531
1,2,4-Trimethylbenzene	3.2	1.0		µg/L	1	5/3/2017 4:32:45 PM	W42531
1,3,5-Trimethylbenzene	7.7	1.0		µg/L	1	5/3/2017 4:32:45 PM	W42531
1,2-Dichloroethane (EDC)	ND	1.0		µg/L	1	5/3/2017 4:32:45 PM	W42531
1,2-Dibromoethane (EDB)	ND	1.0		µg/L	1	5/3/2017 4:32:45 PM	W42531
Naphthalene	ND	2.0		µg/L	1	5/3/2017 4:32:45 PM	W42531
1-Methylnaphthalene	7.0	4.0		µg/L	1	5/3/2017 4:32:45 PM	W42531
2-Methylnaphthalene	ND	4.0		µg/L	1	5/3/2017 4:32:45 PM	W42531
Acetone	ND	10		µg/L	1	5/3/2017 4:32:45 PM	W42531
Bromobenzene	ND	1.0		µg/L	1	5/3/2017 4:32:45 PM	W42531
Bromodichloromethane	ND	1.0		µg/L	1	5/3/2017 4:32:45 PM	W42531
Bromoform	ND	1.0		µg/L	1	5/3/2017 4:32:45 PM	W42531
Bromomethane	ND	3.0		µg/L	1	5/3/2017 4:32:45 PM	W42531
2-Butanone	ND	10		µg/L	1	5/3/2017 4:32:45 PM	W42531
Carbon disulfide	ND	10		µg/L	1	5/3/2017 4:32:45 PM	W42531
Carbon Tetrachloride	ND	1.0		µg/L	1	5/3/2017 4:32:45 PM	W42531
Chlorobenzene	ND	1.0		µg/L	1	5/3/2017 4:32:45 PM	W42531
Chloroethane	ND	2.0		µg/L	1	5/3/2017 4:32:45 PM	W42531
Chloroform	ND	1.0		µg/L	1	5/3/2017 4:32:45 PM	W42531
Chloromethane	ND	3.0		µg/L	1	5/3/2017 4:32:45 PM	W42531
2-Chlorotoluene	ND	1.0		µg/L	1	5/3/2017 4:32:45 PM	W42531
4-Chlorotoluene	ND	1.0		µg/L	1	5/3/2017 4:32:45 PM	W42531
cis-1,2-DCE	ND	1.0		µg/L	1	5/3/2017 4:32:45 PM	W42531
cis-1,3-Dichloropropene	ND	1.0		µg/L	1	5/3/2017 4:32:45 PM	W42531
1,2-Dibromo-3-chloropropane	ND	2.0		µg/L	1	5/3/2017 4:32:45 PM	W42531
Dibromochloromethane	ND	1.0		µg/L	1	5/3/2017 4:32:45 PM	W42531
Dibromomethane	ND	1.0		µg/L	1	5/3/2017 4:32:45 PM	W42531
1,2-Dichlorobenzene	ND	1.0		µg/L	1	5/3/2017 4:32:45 PM	W42531
1,3-Dichlorobenzene	ND	1.0		µg/L	1	5/3/2017 4:32:45 PM	W42531
1,4-Dichlorobenzene	ND	1.0		µg/L	1	5/3/2017 4:32:45 PM	W42531
Dichlorodifluoromethane	ND	1.0		µg/L	1	5/3/2017 4:32:45 PM	W42531
1,1-Dichloroethane	ND	1.0		µg/L	1	5/3/2017 4:32:45 PM	W42531
1,1-Dichloroethene	ND	1.0		µg/L	1	5/3/2017 4:32:45 PM	W42531
1,2-Dichloropropane	ND	1.0		µg/L	1	5/3/2017 4:32:45 PM	W42531
1,3-Dichloropropane	ND	1.0		µg/L	1	5/3/2017 4:32:45 PM	W42531
2,2-Dichloropropane	ND	2.0		µg/L	1	5/3/2017 4:32:45 PM	W42531

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
R	RPD outside accepted recovery limits	RL	Reporting Detection Limit
S	% Recovery outside of range due to dilution or matrix	W	Sample container temperature is out of limit as specified

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD
Client Sample ID: GW11103552-042517SVE-12
Project: WT-1
Collection Date: 4/25/2017 1:15:00 PM
Lab ID: 1705010-015
Matrix: AQUEOUS
Received Date: 4/29/2017 8:00:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8260B: VOLATILES						Analyst: **DJF**	
1,1-Dichloropropene	ND	1.0		µg/L	1	5/3/2017 4:32:45 PM	W42531
Hexachlorobutadiene	ND	1.0		µg/L	1	5/3/2017 4:32:45 PM	W42531
2-Hexanone	ND	10		µg/L	1	5/3/2017 4:32:45 PM	W42531
Isopropylbenzene	13	1.0		µg/L	1	5/3/2017 4:32:45 PM	W42531
4-Isopropyltoluene	ND	1.0		µg/L	1	5/3/2017 4:32:45 PM	W42531
4-Methyl-2-pentanone	ND	10		µg/L	1	5/3/2017 4:32:45 PM	W42531
Methylene Chloride	ND	3.0		µg/L	1	5/3/2017 4:32:45 PM	W42531
n-Butylbenzene	ND	3.0		µg/L	1	5/3/2017 4:32:45 PM	W42531
n-Propylbenzene	10	1.0		µg/L	1	5/3/2017 4:32:45 PM	W42531
sec-Butylbenzene	3.2	1.0		µg/L	1	5/3/2017 4:32:45 PM	W42531
Styrene	ND	1.0		µg/L	1	5/3/2017 4:32:45 PM	W42531
tert-Butylbenzene	ND	1.0		µg/L	1	5/3/2017 4:32:45 PM	W42531
1,1,1,2-Tetrachloroethane	ND	1.0		µg/L	1	5/3/2017 4:32:45 PM	W42531
1,1,2,2-Tetrachloroethane	ND	2.0		µg/L	1	5/3/2017 4:32:45 PM	W42531
Tetrachloroethene (PCE)	ND	1.0		µg/L	1	5/3/2017 4:32:45 PM	W42531
trans-1,2-DCE	ND	1.0		µg/L	1	5/3/2017 4:32:45 PM	W42531
trans-1,3-Dichloropropene	ND	1.0		µg/L	1	5/3/2017 4:32:45 PM	W42531
1,2,3-Trichlorobenzene	ND	1.0		µg/L	1	5/3/2017 4:32:45 PM	W42531
1,2,4-Trichlorobenzene	ND	1.0		µg/L	1	5/3/2017 4:32:45 PM	W42531
1,1,1-Trichloroethane	ND	1.0		µg/L	1	5/3/2017 4:32:45 PM	W42531
1,1,2-Trichloroethane	ND	1.0		µg/L	1	5/3/2017 4:32:45 PM	W42531
Trichloroethene (TCE)	ND	1.0		µg/L	1	5/3/2017 4:32:45 PM	W42531
Trichlorofluoromethane	ND	1.0		µg/L	1	5/3/2017 4:32:45 PM	W42531
1,2,3-Trichloropropane	ND	2.0		µg/L	1	5/3/2017 4:32:45 PM	W42531
Vinyl chloride	ND	1.0		µg/L	1	5/3/2017 4:32:45 PM	W42531
Xylenes, Total	13	1.5		µg/L	1	5/3/2017 4:32:45 PM	W42531
Surr: 1,2-Dichloroethane-d4	84.0	70-130		%Rec	1	5/3/2017 4:32:45 PM	W42531
Surr: 4-Bromofluorobenzene	117	70-130		%Rec	1	5/3/2017 4:32:45 PM	W42531
Surr: Dibromofluoromethane	89.8	70-130		%Rec	1	5/3/2017 4:32:45 PM	W42531
Surr: Toluene-d8	101	70-130		%Rec	1	5/3/2017 4:32:45 PM	W42531

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Qualifiers:

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D	Sample Diluted Due to Matrix	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
R	RPD outside accepted recovery limits	RL	Reporting Detection Limit
S	% Recovery outside of range due to dilution or matrix	W	Sample container temperature is out of limit as specified

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD
Client Sample ID: GW11103552-042517MW-10
Project: WT-1
Collection Date: 4/25/2017 3:40:00 PM
Lab ID: 1705010-016
Matrix: AQUEOUS
Received Date: 4/29/2017 8:00:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analyst: **MRA**	
Sulfate	13	2.5		mg/L	5	5/2/2017 6:02:41 PM	R42488
EPA METHOD 6010B: DISSOLVED METALS						Analyst: **MED**	
Iron	12	1.0		mg/L	50	5/3/2017 9:53:11 AM	A42510
EPA 6010B: TOTAL RECOVERABLE METALS						Analyst: **MED**	
Iron	80	5.0		mg/L	100	5/9/2017 11:52:37 AM	31602
EPA METHOD 8270C: SEMIVOLATILES						Analyst: **DAM**	
Acenaphthene	ND	100	D	µg/L	1	5/5/2017 5:59:50 PM	31518
Acenaphthylene	ND	100	D	µg/L	1	5/5/2017 5:59:50 PM	31518
Aniline	ND	100	D	µg/L	1	5/5/2017 5:59:50 PM	31518
Anthracene	ND	100	D	µg/L	1	5/5/2017 5:59:50 PM	31518
Azobenzene	ND	100	D	µg/L	1	5/5/2017 5:59:50 PM	31518
Benz(a)anthracene	ND	100	D	µg/L	1	5/5/2017 5:59:50 PM	31518
Benzo(a)pyrene	ND	100	D	µg/L	1	5/5/2017 5:59:50 PM	31518
Benzo(b)fluoranthene	ND	100	D	µg/L	1	5/5/2017 5:59:50 PM	31518
Benzo(g,h,i)perylene	ND	100	D	µg/L	1	5/5/2017 5:59:50 PM	31518
Benzo(k)fluoranthene	ND	100	D	µg/L	1	5/5/2017 5:59:50 PM	31518
Benzoic acid	ND	200	D	µg/L	1	5/5/2017 5:59:50 PM	31518
Benzyl alcohol	ND	100	D	µg/L	1	5/5/2017 5:59:50 PM	31518
Bis(2-chloroethoxy)methane	ND	100	D	µg/L	1	5/5/2017 5:59:50 PM	31518
Bis(2-chloroethyl)ether	ND	100	D	µg/L	1	5/5/2017 5:59:50 PM	31518
Bis(2-chloroisopropyl)ether	ND	100	D	µg/L	1	5/5/2017 5:59:50 PM	31518
Bis(2-ethylhexyl)phthalate	120	100	D	µg/L	1	5/5/2017 5:59:50 PM	31518
4-Bromophenyl phenyl ether	ND	100	D	µg/L	1	5/5/2017 5:59:50 PM	31518
Butyl benzyl phthalate	ND	100	D	µg/L	1	5/5/2017 5:59:50 PM	31518
Carbazole	ND	100	D	µg/L	1	5/5/2017 5:59:50 PM	31518
4-Chloro-3-methylphenol	ND	100	D	µg/L	1	5/5/2017 5:59:50 PM	31518
4-Chloroaniline	ND	100	D	µg/L	1	5/5/2017 5:59:50 PM	31518
2-Chloronaphthalene	ND	100	D	µg/L	1	5/5/2017 5:59:50 PM	31518
2-Chlorophenol	ND	100	D	µg/L	1	5/5/2017 5:59:50 PM	31518
4-Chlorophenyl phenyl ether	ND	100	D	µg/L	1	5/5/2017 5:59:50 PM	31518
Chrysene	ND	100	D	µg/L	1	5/5/2017 5:59:50 PM	31518
Di-n-butyl phthalate	ND	100	D	µg/L	1	5/5/2017 5:59:50 PM	31518
Di-n-octyl phthalate	ND	100	D	µg/L	1	5/5/2017 5:59:50 PM	31518
Dibenz(a,h)anthracene	ND	100	D	µg/L	1	5/5/2017 5:59:50 PM	31518
Dibenzofuran	ND	100	D	µg/L	1	5/5/2017 5:59:50 PM	31518
1,2-Dichlorobenzene	ND	100	D	µg/L	1	5/5/2017 5:59:50 PM	31518
1,3-Dichlorobenzene	ND	100	D	µg/L	1	5/5/2017 5:59:50 PM	31518
1,4-Dichlorobenzene	ND	100	D	µg/L	1	5/5/2017 5:59:50 PM	31518

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Qualifiers:

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D	Sample Diluted Due to Matrix	E	Value above quantitation range
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ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
R	RPD outside accepted recovery limits	RL	Reporting Detection Limit
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Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD
Client Sample ID: GW11103552-042517MW-10
Project: WT-1
Collection Date: 4/25/2017 3:40:00 PM
Lab ID: 1705010-016
Matrix: AQUEOUS
Received Date: 4/29/2017 8:00:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8270C: SEMIVOLATILES						Analyst: **DAM**	
3,3´-Dichlorobenzidine	ND	100	D	µg/L	1	5/5/2017 5:59:50 PM	31518
Diethyl phthalate	ND	100	D	µg/L	1	5/5/2017 5:59:50 PM	31518
Dimethyl phthalate	ND	100	D	µg/L	1	5/5/2017 5:59:50 PM	31518
2,4-Dichlorophenol	ND	200	D	µg/L	1	5/5/2017 5:59:50 PM	31518
2,4-Dimethylphenol	ND	100	D	µg/L	1	5/5/2017 5:59:50 PM	31518
4,6-Dinitro-2-methylphenol	ND	200	D	µg/L	1	5/5/2017 5:59:50 PM	31518
2,4-Dinitrophenol	ND	200	D	µg/L	1	5/5/2017 5:59:50 PM	31518
2,4-Dinitrotoluene	ND	100	D	µg/L	1	5/5/2017 5:59:50 PM	31518
2,6-Dinitrotoluene	ND	100	D	µg/L	1	5/5/2017 5:59:50 PM	31518
Fluoranthene	ND	100	D	µg/L	1	5/5/2017 5:59:50 PM	31518
Fluorene	ND	100	D	µg/L	1	5/5/2017 5:59:50 PM	31518
Hexachlorobenzene	ND	100	D	µg/L	1	5/5/2017 5:59:50 PM	31518
Hexachlorobutadiene	ND	100	D	µg/L	1	5/5/2017 5:59:50 PM	31518
Hexachlorocyclopentadiene	ND	100	D	µg/L	1	5/5/2017 5:59:50 PM	31518
Hexachloroethane	ND	100	D	µg/L	1	5/5/2017 5:59:50 PM	31518
Indeno(1,2,3-cd)pyrene	ND	100	D	µg/L	1	5/5/2017 5:59:50 PM	31518
Isophorone	ND	100	D	µg/L	1	5/5/2017 5:59:50 PM	31518
1-Methylnaphthalene	280	100	D	µg/L	1	5/5/2017 5:59:50 PM	31518
2-Methylnaphthalene	360	100	D	µg/L	1	5/5/2017 5:59:50 PM	31518
2-Methylphenol	ND	100	D	µg/L	1	5/5/2017 5:59:50 PM	31518
3+4-Methylphenol	ND	100	D	µg/L	1	5/5/2017 5:59:50 PM	31518
N-Nitrosodi-n-propylamine	ND	100	D	µg/L	1	5/5/2017 5:59:50 PM	31518
N-Nitrosodimethylamine	ND	100	D	µg/L	1	5/5/2017 5:59:50 PM	31518
N-Nitrosodiphenylamine	ND	100	D	µg/L	1	5/5/2017 5:59:50 PM	31518
Naphthalene	190	100	D	µg/L	1	5/5/2017 5:59:50 PM	31518
2-Nitroaniline	ND	100	D	µg/L	1	5/5/2017 5:59:50 PM	31518
3-Nitroaniline	ND	100	D	µg/L	1	5/5/2017 5:59:50 PM	31518
4-Nitroaniline	ND	100	D	µg/L	1	5/5/2017 5:59:50 PM	31518
Nitrobenzene	ND	100	D	µg/L	1	5/5/2017 5:59:50 PM	31518
2-Nitrophenol	ND	100	D	µg/L	1	5/5/2017 5:59:50 PM	31518
4-Nitrophenol	ND	100	D	µg/L	1	5/5/2017 5:59:50 PM	31518
Pentachlorophenol	ND	200	D	µg/L	1	5/5/2017 5:59:50 PM	31518
Phenanthrene	ND	100	D	µg/L	1	5/5/2017 5:59:50 PM	31518
Phenol	ND	100	D	µg/L	1	5/5/2017 5:59:50 PM	31518
Pyrene	ND	100	D	µg/L	1	5/5/2017 5:59:50 PM	31518
Pyridine	ND	100	D	µg/L	1	5/5/2017 5:59:50 PM	31518
1,2,4-Trichlorobenzene	ND	100	D	µg/L	1	5/5/2017 5:59:50 PM	31518
2,4,5-Trichlorophenol	ND	100	D	µg/L	1	5/5/2017 5:59:50 PM	31518
2,4,6-Trichlorophenol	ND	100	D	µg/L	1	5/5/2017 5:59:50 PM	31518

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Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
R	RPD outside accepted recovery limits	RL	Reporting Detection Limit
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Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD
Client Sample ID: GW11103552-042517MW-10
Project: WT-1
Collection Date: 4/25/2017 3:40:00 PM
Lab ID: 1705010-016
Matrix: AQUEOUS
Received Date: 4/29/2017 8:00:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8270C: SEMIVOLATILES						Analyst: **DAM**	
Surr: 2-Fluorophenol	31.8	15-98.1	D	%Rec	1	5/5/2017 5:59:50 PM	31518
Surr: Phenol-d5	33.2	15-80.7	D	%Rec	1	5/5/2017 5:59:50 PM	31518
Surr: 2,4,6-Tribromophenol	54.6	15-112	D	%Rec	1	5/5/2017 5:59:50 PM	31518
Surr: Nitrobenzene-d5	0	27.2-90.7	SD	%Rec	1	5/5/2017 5:59:50 PM	31518
Surr: 2-Fluorobiphenyl	44.7	23.3-85.6	D	%Rec	1	5/5/2017 5:59:50 PM	31518
Surr: 4-Terphenyl-d14	48.1	27.6-107	D	%Rec	1	5/5/2017 5:59:50 PM	31518
EPA METHOD 8260B: VOLATILES						Analyst: **DJF**	
Benzene	5500	100		µg/L	100	5/3/2017 5:30:03 PM	W42531
Toluene	10	10		µg/L	10	5/3/2017 2:09:12 PM	W42531
Ethylbenzene	490	10		µg/L	10	5/3/2017 2:09:12 PM	W42531
Methyl tert-butyl ether (MTBE)	ND	10		µg/L	10	5/3/2017 2:09:12 PM	W42531
1,2,4-Trimethylbenzene	680	10		µg/L	10	5/3/2017 2:09:12 PM	W42531
1,3,5-Trimethylbenzene	430	10		µg/L	10	5/3/2017 2:09:12 PM	W42531
1,2-Dichloroethane (EDC)	ND	10		µg/L	10	5/3/2017 2:09:12 PM	W42531
1,2-Dibromoethane (EDB)	ND	10		µg/L	10	5/3/2017 2:09:12 PM	W42531
Naphthalene	49	20		µg/L	10	5/3/2017 2:09:12 PM	W42531
1-Methylnaphthalene	ND	40		µg/L	10	5/3/2017 2:09:12 PM	W42531
2-Methylnaphthalene	ND	40		µg/L	10	5/3/2017 2:09:12 PM	W42531
Acetone	ND	100		µg/L	10	5/3/2017 2:09:12 PM	W42531
Bromobenzene	ND	10		µg/L	10	5/3/2017 2:09:12 PM	W42531
Bromodichloromethane	ND	10		µg/L	10	5/3/2017 2:09:12 PM	W42531
Bromoform	ND	10		µg/L	10	5/3/2017 2:09:12 PM	W42531
Bromomethane	ND	30		µg/L	10	5/3/2017 2:09:12 PM	W42531
2-Butanone	ND	100		µg/L	10	5/3/2017 2:09:12 PM	W42531
Carbon disulfide	ND	100		µg/L	10	5/3/2017 2:09:12 PM	W42531
Carbon Tetrachloride	ND	10		µg/L	10	5/3/2017 2:09:12 PM	W42531
Chlorobenzene	ND	10		µg/L	10	5/3/2017 2:09:12 PM	W42531
Chloroethane	ND	20		µg/L	10	5/3/2017 2:09:12 PM	W42531
Chloroform	ND	10		µg/L	10	5/3/2017 2:09:12 PM	W42531
Chloromethane	ND	30		µg/L	10	5/3/2017 2:09:12 PM	W42531
2-Chlorotoluene	ND	10		µg/L	10	5/3/2017 2:09:12 PM	W42531
4-Chlorotoluene	ND	10		µg/L	10	5/3/2017 2:09:12 PM	W42531
cis-1,2-DCE	ND	10		µg/L	10	5/3/2017 2:09:12 PM	W42531
cis-1,3-Dichloropropene	ND	10		µg/L	10	5/3/2017 2:09:12 PM	W42531
1,2-Dibromo-3-chloropropane	ND	20		µg/L	10	5/3/2017 2:09:12 PM	W42531
Dibromochloromethane	ND	10		µg/L	10	5/3/2017 2:09:12 PM	W42531
Dibromomethane	ND	10		µg/L	10	5/3/2017 2:09:12 PM	W42531
1,2-Dichlorobenzene	ND	10		µg/L	10	5/3/2017 2:09:12 PM	W42531
1,3-Dichlorobenzene	ND	10		µg/L	10	5/3/2017 2:09:12 PM	W42531

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
R	RPD outside accepted recovery limits	RL	Reporting Detection Limit
S	% Recovery outside of range due to dilution or matrix	W	Sample container temperature is out of limit as specified

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD
Client Sample ID: GW11103552-042517MW-10
Project: WT-1
Collection Date: 4/25/2017 3:40:00 PM
Lab ID: 1705010-016
Matrix: AQUEOUS
Received Date: 4/29/2017 8:00:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8260B: VOLATILES						Analyst: **DJF**	
1,4-Dichlorobenzene	ND	10		µg/L	10	5/3/2017 2:09:12 PM	W42531
Dichlorodifluoromethane	ND	10		µg/L	10	5/3/2017 2:09:12 PM	W42531
1,1-Dichloroethane	ND	10		µg/L	10	5/3/2017 2:09:12 PM	W42531
1,1-Dichloroethene	ND	10		µg/L	10	5/3/2017 2:09:12 PM	W42531
1,2-Dichloropropane	ND	10		µg/L	10	5/3/2017 2:09:12 PM	W42531
1,3-Dichloropropane	ND	10		µg/L	10	5/3/2017 2:09:12 PM	W42531
2,2-Dichloropropane	ND	20		µg/L	10	5/3/2017 2:09:12 PM	W42531
1,1-Dichloropropene	ND	10		µg/L	10	5/3/2017 2:09:12 PM	W42531
Hexachlorobutadiene	ND	10		µg/L	10	5/3/2017 2:09:12 PM	W42531
2-Hexanone	ND	100		µg/L	10	5/3/2017 2:09:12 PM	W42531
Isopropylbenzene	60	10		µg/L	10	5/3/2017 2:09:12 PM	W42531
4-Isopropyltoluene	22	10		µg/L	10	5/3/2017 2:09:12 PM	W42531
4-Methyl-2-pentanone	ND	100		µg/L	10	5/3/2017 2:09:12 PM	W42531
Methylene Chloride	ND	30		µg/L	10	5/3/2017 2:09:12 PM	W42531
n-Butylbenzene	ND	30		µg/L	10	5/3/2017 2:09:12 PM	W42531
n-Propylbenzene	88	10		µg/L	10	5/3/2017 2:09:12 PM	W42531
sec-Butylbenzene	20	10		µg/L	10	5/3/2017 2:09:12 PM	W42531
Styrene	ND	10		µg/L	10	5/3/2017 2:09:12 PM	W42531
tert-Butylbenzene	ND	10		µg/L	10	5/3/2017 2:09:12 PM	W42531
1,1,1,2-Tetrachloroethane	ND	10		µg/L	10	5/3/2017 2:09:12 PM	W42531
1,1,2,2-Tetrachloroethane	ND	20		µg/L	10	5/3/2017 2:09:12 PM	W42531
Tetrachloroethene (PCE)	ND	10		µg/L	10	5/3/2017 2:09:12 PM	W42531
trans-1,2-DCE	ND	10		µg/L	10	5/3/2017 2:09:12 PM	W42531
trans-1,3-Dichloropropene	ND	10		µg/L	10	5/3/2017 2:09:12 PM	W42531
1,2,3-Trichlorobenzene	ND	10		µg/L	10	5/3/2017 2:09:12 PM	W42531
1,2,4-Trichlorobenzene	ND	10		µg/L	10	5/3/2017 2:09:12 PM	W42531
1,1,1-Trichloroethane	ND	10		µg/L	10	5/3/2017 2:09:12 PM	W42531
1,1,2-Trichloroethane	ND	10		µg/L	10	5/3/2017 2:09:12 PM	W42531
Trichloroethene (TCE)	ND	10		µg/L	10	5/3/2017 2:09:12 PM	W42531
Trichlorofluoromethane	ND	10		µg/L	10	5/3/2017 2:09:12 PM	W42531
1,2,3-Trichloropropane	ND	20		µg/L	10	5/3/2017 2:09:12 PM	W42531
Vinyl chloride	ND	10		µg/L	10	5/3/2017 2:09:12 PM	W42531
Xylenes, Total	2400	150		µg/L	100	5/3/2017 5:30:03 PM	W42531
Surr: 1,2-Dichloroethane-d4	83.8	70-130		%Rec	10	5/3/2017 2:09:12 PM	W42531
Surr: 4-Bromofluorobenzene	130	70-130		%Rec	10	5/3/2017 2:09:12 PM	W42531
Surr: Dibromofluoromethane	92.2	70-130		%Rec	10	5/3/2017 2:09:12 PM	W42531
Surr: Toluene-d8	99.6	70-130		%Rec	10	5/3/2017 2:09:12 PM	W42531

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
R	RPD outside accepted recovery limits	RL	Reporting Detection Limit
S	% Recovery outside of range due to dilution or matrix	W	Sample container temperature is out of limit as specified

Anatek Labs, Inc.

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504 E Sprague Ste. D • Spokane WA 99202 • (509) 838-3999 • Fax (509) 838-4433 • email spokane@anateklabs.com

Client:	HALL ENVIRONMENTAL ANALYSIS LAB	**Batch #:**	170502040
Address:	4901 HAWKINS NE SUITE D ALBUQUERQUE, NM 87109	**Project Name:**	1705010
Attn:	ANDY FREEMAN		

Analytical Results Report

Sample Number	170502040-001	**Sampling Date**	4/25/2017	**Date/Time Received**	5/2/2017 1:00 PM
Client Sample ID	1705010-004G / GW-11103552-042517-SVE-8			**Sampling Time**	10:55 AM
Matrix	Water				
Comments					

Parameter	Result	Units	PQL	Analysis Date	Analyst	Method	Qualifier
Sulfide	ND	mg/L	0.42	5/5/2017	KMC	SM4500S2F	

Sample Number	170502040-002	**Sampling Date**	4/25/2017	**Date/Time Received**	5/2/2017 1:00 PM
Client Sample ID	1705010-016G / GW-11103552-042517-MW-10			**Sampling Time**	3:40 PM
Matrix	Water				
Comments					

Parameter	Result	Units	PQL	Analysis Date	Analyst	Method	Qualifier
Sulfide	0.2	mg/L	0.5	5/5/2017	KMC	SM4500S2F	J

Authorized Signature

Todd Taruscio, Lab Manager

J	The reported value is between the laboratory method detection limit and the laboratory practical quantitation limit.
MCL	EPA's Maximum Contaminant Level
ND	Not Detected
PQL	Practical Quantitation Limit

This report shall not be reproduced except in full, without the written approval of the laboratory.
The results reported relate only to the samples indicated.
Soil/solid results are reported on a dry-weight basis unless otherwise noted.

Certifications held by Anatek Labs ID: EPA:ID00013; AZ:0701; FL(NELAP):E87893; ID:ID00013; MT:CERT0028; NM: ID00013;NV:ID00013; OR:ID200001-002; WA:C595
Certifications held by Anatek Labs WA: EPA:WA00169; ID:WA00169; WA:C585; MT:Cert0095; FL(NELAP): E871099

Anatek Labs, Inc.

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504 E Sprague Ste. D • Spokane WA 99202 • (509) 838-3999 • Fax (509) 838-4433 • email spokane@anateklabs.com

Client: HALL ENVIRONMENTAL ANALYSIS LAB
Address: 4901 HAWKINS NE SUITE D
ALBUQUERQUE, NM 87109
Attn: ANDY FREEMAN

Batch #: 170502040
Project Name: 1705010

Analytical Results Report

Quality Control Data

Lab Control Sample

Parameter	LCS Result	Units	LCS Spike	%Rec	AR %Rec	Prep Date	Analysis Date
Sulfide	0.180	mg/L	0.2	90.0	70-130	5/5/2017	5/5/2017

Matrix Spike

Sample Number	Parameter	Sample Result	MS Result	Units	MS Spike	%Rec	AR %Rec	Prep Date	Analysis Date
170502040-002	Sulfide	0.2	0.999	mg/L	0.999	80.0	70-130	5/5/2017	5/5/2017

Method Blank

Parameter	Result	Units	PQL	Prep Date	Analysis Date
Sulfide	ND	mg/L	0.1	5/5/2017	5/5/2017

AR	Acceptable Range
ND	Not Detected
PQL	Practical Quantitation Limit
RPD	Relative Percentage Difference

Comments:

Certifications held by Anatek Labs ID: EPA:ID00013; AZ:0701; FL(NELAP):E87893; ID:ID00013; MT:CERT0028; NM: ID00013;NV:ID00013; OR:ID200001-002; WA:C595
Certifications held by Anatek Labs WA: EPA:WA00169; ID:WA00169; WA:C585; MT:Cert0095; FL(NELAP): E871099

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LABORATORY ANALYTICAL REPORT

Prepared by Billings, MT Branch

Client: Hall Environmental
Project: Not Indicated
Lab ID: B17050175-001
Client Sample ID: 1705010-002F, GW-11103552-042517-SVE-5

Report Date: 05/08/17
Collection Date: 04/25/17 11:45
DateReceived: 05/02/17
Matrix: Aqueous

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
ORGANIC CHARACTERISTICS							
Methane	5.0	mg/L		0.078		SW8015M	05/04/17 13:32 / jdw

Report Definitions:
RL - Analyte reporting limit.
QCL - Quality control limit.
MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.

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LABORATORY ANALYTICAL REPORT

Prepared by Billings, MT Branch

Client: Hall Environmental
Project: Not Indicated
Lab ID: B17050175-002
Client Sample ID: 1705010-004F, GW-11103552-042517-SVE-8

Report Date: 05/08/17
Collection Date: 04/25/17 10:55
DateReceived: 05/02/17
Matrix: Aqueous

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
ORGANIC CHARACTERISTICS							
Methane	0.18	mg/L		0.0010		SW8015M	05/04/17 13:49 / jdw

Report Definitions:
RL - Analyte reporting limit.
QCL - Quality control limit.
MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.

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LABORATORY ANALYTICAL REPORT

Prepared by Billings, MT Branch

Client: Hall Environmental
Project: Not Indicated
Lab ID: B17050175-003
Client Sample ID: 1705010-016F, GW-11103552-042517-MW-10

Report Date: 05/08/17
Collection Date: 04/25/17 15:40
DateReceived: 05/02/17
Matrix: Aqueous

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
ORGANIC CHARACTERISTICS							
Methane	6.4	mg/L		0.079		SW8015M	05/04/17 14:24 / jdw

Report Definitions:
RL - Analyte reporting limit.
QCL - Quality control limit.
MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.

QA/QC Summary Report

Prepared by Billings, MT Branch

Client: Hall Environmental
Project: Not Indicated

Report Date: 05/08/17
Work Order: B17050175

Analyte		Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method:	**SW8015M**								Analytical Run: R279319	
Lab ID:	**CCV**	Continuing Calibration Verification Standard							05/04/17 08:20	
Methane		500	ppm	2.0	100	85	115			
Lab ID:	**CCV**	Continuing Calibration Verification Standard							05/04/17 14:35	
Methane		510	ppm	2.0	101	85	115			
Method:	**SW8015M**								Batch: R279319	
Lab ID:	**LCS**	Laboratory Control Sample				Run: FID-HEADSPACE_170504A			05/04/17 08:29	
Methane		100	ppm	2.0	101	85	115			
Lab ID:	**MBLK**	Method Blank				Run: FID-HEADSPACE_170504A			05/04/17 09:02	
Methane		ND	mg/L	0.0010						
Lab ID:	**B17042296-004GDUP**	Sample Duplicate				Run: FID-HEADSPACE_170504A			05/04/17 10:31	
Methane		0.167	mg/L	0.0010				1.2	20	

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: **1705010**

15-May-17

Client: GHD

Project: WT-1

Sample ID	**MB**	SampType:	**mblk**	TestCode:	**EPA Method 300.0: Anions**					
Client ID:	**PBW**	Batch ID:	**R42488**	RunNo:	**42488**					
Prep Date:		Analysis Date:	**5/2/2017**	SeqNo:	**1336581**	Units:	**mg/L**			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Sulfate	ND	0.50								

Sample ID	**LCS**	SampType:	**lcs**	TestCode:	**EPA Method 300.0: Anions**					
Client ID:	**LCSW**	Batch ID:	**R42488**	RunNo:	**42488**					
Prep Date:		Analysis Date:	**5/2/2017**	SeqNo:	**1336582**	Units:	**mg/L**			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Sulfate	9.7	0.50	10.00	0	97.3	90	110			

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
R	RPD outside accepted recovery limits	RL	Reporting Detection Limit
S	% Recovery outside of range due to dilution or matrix	W	Sample container temperature is out of limit as specified

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: **1705010**

15-May-17

Client: GHD

Project: WT-1

Sample ID **rb**	SampType: **MBLK**	TestCode: **EPA Method 8260B: VOLATILES**
Client ID: **PBW**	Batch ID: **D42503**	RunNo: **42503**
Prep Date:	Analysis Date: **5/2/2017**	SeqNo: **1336516** Units: **µg/L**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	ND	1.0								
Toluene	ND	1.0								
Ethylbenzene	ND	1.0								
Methyl tert-butyl ether (MTBE)	ND	1.0								
1,2,4-Trimethylbenzene	ND	1.0								
1,3,5-Trimethylbenzene	ND	1.0								
1,2-Dichloroethane (EDC)	ND	1.0								
1,2-Dibromoethane (EDB)	ND	1.0								
Naphthalene	ND	2.0								
1-Methylnaphthalene	ND	4.0								
2-Methylnaphthalene	ND	4.0								
Acetone	ND	10								
Bromobenzene	ND	1.0								
Bromodichloromethane	ND	1.0								
Bromoform	ND	1.0								
Bromomethane	ND	3.0								
2-Butanone	ND	10								
Carbon disulfide	ND	10								
Carbon Tetrachloride	ND	1.0								
Chlorobenzene	ND	1.0								
Chloroethane	ND	2.0								
Chloroform	ND	1.0								
Chloromethane	ND	3.0								
2-Chlorotoluene	ND	1.0								
4-Chlorotoluene	ND	1.0								
cis-1,2-DCE	ND	1.0								
cis-1,3-Dichloropropene	ND	1.0								
1,2-Dibromo-3-chloropropane	ND	2.0								
Dibromochloromethane	ND	1.0								
Dibromomethane	ND	1.0								
1,2-Dichlorobenzene	ND	1.0								
1,3-Dichlorobenzene	ND	1.0								
1,4-Dichlorobenzene	ND	1.0								
Dichlorodifluoromethane	ND	1.0								
1,1-Dichloroethane	ND	1.0								
1,1-Dichloroethene	ND	1.0								
1,2-Dichloropropane	ND	1.0								
1,3-Dichloropropane	ND	1.0								
2,2-Dichloropropane	ND	2.0								

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
R	RPD outside accepted recovery limits	RL	Reporting Detection Limit
S	% Recovery outside of range due to dilution or matrix	W	Sample container temperature is out of limit as specified

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: **1705010**

15-May-17

Client: GHD

Project: WT-1

Sample ID **rb**	SampType: **MBLK**	TestCode: **EPA Method 8260B: VOLATILES**
Client ID: **PBW**	Batch ID: **D42503**	RunNo: **42503**
Prep Date:	Analysis Date: **5/2/2017**	SeqNo: **1336516** Units: **µg/L**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
1,1-Dichloropropene	ND	1.0								
Hexachlorobutadiene	ND	1.0								
2-Hexanone	ND	10								
Isopropylbenzene	ND	1.0								
4-Isopropyltoluene	ND	1.0								
4-Methyl-2-pentanone	ND	10								
Methylene Chloride	ND	3.0								
n-Butylbenzene	ND	3.0								
n-Propylbenzene	ND	1.0								
sec-Butylbenzene	ND	1.0								
Styrene	ND	1.0								
tert-Butylbenzene	ND	1.0								
1,1,1,2-Tetrachloroethane	ND	1.0								
1,1,2,2-Tetrachloroethane	ND	2.0								
Tetrachloroethene (PCE)	ND	1.0								
trans-1,2-DCE	ND	1.0								
trans-1,3-Dichloropropene	ND	1.0								
1,2,3-Trichlorobenzene	ND	1.0								
1,2,4-Trichlorobenzene	ND	1.0								
1,1,1-Trichloroethane	ND	1.0								
1,1,2-Trichloroethane	ND	1.0								
Trichloroethene (TCE)	ND	1.0								
Trichlorofluoromethane	ND	1.0								
1,2,3-Trichloropropane	ND	2.0								
Vinyl chloride	ND	1.0								
Xylenes, Total	ND	1.5								
Surr: 1,2-Dichloroethane-d4	10		10.00		101	70	130			
Surr: 4-Bromofluorobenzene	10		10.00		102	70	130			
Surr: Dibromofluoromethane	10		10.00		103	70	130			
Surr: Toluene-d8	10		10.00		101	70	130			

Sample ID **100ng lcs**	SampType: **LCS**	TestCode: **EPA Method 8260B: VOLATILES**
Client ID: **LCSW**	Batch ID: **D42503**	RunNo: **42503**
Prep Date:	Analysis Date: **5/2/2017**	SeqNo: **1336519** Units: **µg/L**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	19	1.0	20.00	0	96.0	70	130			
Toluene	19	1.0	20.00	0	96.6	70	130			
Chlorobenzene	19	1.0	20.00	0	97.2	70	130			

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
R	RPD outside accepted recovery limits	RL	Reporting Detection Limit
S	% Recovery outside of range due to dilution or matrix	W	Sample container temperature is out of limit as specified

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: **1705010**

15-May-17

Client: GHD

Project: WT-1

Sample ID **100ng lcs**	SampType: **LCS**	TestCode: **EPA Method 8260B: VOLATILES**
Client ID: **LCSW**	Batch ID: **D42503**	RunNo: **42503**
Prep Date:	Analysis Date: **5/2/2017**	SeqNo: **1336519** Units: **µg/L**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
1,1-Dichloroethene	20	1.0	20.00	0	100	70	130			
Trichloroethene (TCE)	19	1.0	20.00	0	92.9	70	130			
Surr: 1,2-Dichloroethane-d4	9.5		10.00		94.7	70	130			
Surr: 4-Bromofluorobenzene	10		10.00		101	70	130			
Surr: Dibromofluoromethane	10		10.00		102	70	130			
Surr: Toluene-d8	10		10.00		101	70	130			

Sample ID **rb**	SampType: **MBLK**	TestCode: **EPA Method 8260B: VOLATILES**
Client ID: **PBW**	Batch ID: **W42531**	RunNo: **42531**
Prep Date:	Analysis Date: **5/3/2017**	SeqNo: **1337466** Units: **µg/L**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	ND	1.0								
Toluene	ND	1.0								
Ethylbenzene	ND	1.0								
Methyl tert-butyl ether (MTBE)	ND	1.0								
1,2,4-Trimethylbenzene	ND	1.0								
1,3,5-Trimethylbenzene	ND	1.0								
1,2-Dichloroethane (EDC)	ND	1.0								
1,2-Dibromoethane (EDB)	ND	1.0								
Naphthalene	ND	2.0								
1-Methylnaphthalene	ND	4.0								
2-Methylnaphthalene	ND	4.0								
Acetone	ND	10								
Bromobenzene	ND	1.0								
Bromodichloromethane	ND	1.0								
Bromoform	ND	1.0								
Bromomethane	ND	3.0								
2-Butanone	ND	10								
Carbon disulfide	ND	10								
Carbon Tetrachloride	ND	1.0								
Chlorobenzene	ND	1.0								
Chloroethane	ND	2.0								
Chloroform	ND	1.0								
Chloromethane	ND	3.0								
2-Chlorotoluene	ND	1.0								
4-Chlorotoluene	ND	1.0								
cis-1,2-DCE	ND	1.0								
cis-1,3-Dichloropropene	ND	1.0								

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
R	RPD outside accepted recovery limits	RL	Reporting Detection Limit
S	% Recovery outside of range due to dilution or matrix	W	Sample container temperature is out of limit as specified

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: **1705010**

15-May-17

Client: GHD

Project: WT-1

Sample ID **rb**	SampType: **MBLK**	TestCode: **EPA Method 8260B: VOLATILES**
Client ID: **PBW**	Batch ID: **W42531**	RunNo: **42531**
Prep Date:	Analysis Date: **5/3/2017**	SeqNo: **1337466** Units: **µg/L**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
1,2-Dibromo-3-chloropropane	ND	2.0								
Dibromochloromethane	ND	1.0								
Dibromomethane	ND	1.0								
1,2-Dichlorobenzene	ND	1.0								
1,3-Dichlorobenzene	ND	1.0								
1,4-Dichlorobenzene	ND	1.0								
Dichlorodifluoromethane	ND	1.0								
1,1-Dichloroethane	ND	1.0								
1,1-Dichloroethene	ND	1.0								
1,2-Dichloropropane	ND	1.0								
1,3-Dichloropropane	ND	1.0								
2,2-Dichloropropane	ND	2.0								
1,1-Dichloropropene	ND	1.0								
Hexachlorobutadiene	ND	1.0								
2-Hexanone	ND	10								
Isopropylbenzene	ND	1.0								
4-Isopropyltoluene	ND	1.0								
4-Methyl-2-pentanone	ND	10								
Methylene Chloride	ND	3.0								
n-Butylbenzene	ND	3.0								
n-Propylbenzene	ND	1.0								
sec-Butylbenzene	ND	1.0								
Styrene	ND	1.0								
tert-Butylbenzene	ND	1.0								
1,1,1,2-Tetrachloroethane	ND	1.0								
1,1,2,2-Tetrachloroethane	ND	2.0								
Tetrachloroethene (PCE)	ND	1.0								
trans-1,2-DCE	ND	1.0								
trans-1,3-Dichloropropene	ND	1.0								
1,2,3-Trichlorobenzene	ND	1.0								
1,2,4-Trichlorobenzene	ND	1.0								
1,1,1-Trichloroethane	ND	1.0								
1,1,2-Trichloroethane	ND	1.0								
Trichloroethene (TCE)	ND	1.0								
Trichlorofluoromethane	ND	1.0								
1,2,3-Trichloropropane	ND	2.0								
Vinyl chloride	ND	1.0								
Xylenes, Total	ND	1.5								
Surr: 1,2-Dichloroethane-d4	9.8		10.00		97.6	70	130			

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
R	RPD outside accepted recovery limits	RL	Reporting Detection Limit
S	% Recovery outside of range due to dilution or matrix	W	Sample container temperature is out of limit as specified

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: **1705010**

15-May-17

Client: GHD

Project: WT-1

Sample ID **rb**	SampType: **MBLK**	TestCode: **EPA Method 8260B: VOLATILES**
Client ID: **PBW**	Batch ID: **W42531**	RunNo: **42531**
Prep Date:	Analysis Date: **5/3/2017**	SeqNo: **1337466** Units: **µg/L**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: 4-Bromofluorobenzene	10		10.00		100	70	130			
Surr: Dibromofluoromethane	9.5		10.00		95.0	70	130			
Surr: Toluene-d8	9.9		10.00		99.4	70	130			

Sample ID **100ng lcs**	SampType: **LCS**	TestCode: **EPA Method 8260B: VOLATILES**
Client ID: **LCSW**	Batch ID: **W42531**	RunNo: **42531**
Prep Date:	Analysis Date: **5/3/2017**	SeqNo: **1337467** Units: **µg/L**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	18	1.0	20.00	0	91.3	70	130			
Toluene	19	1.0	20.00	0	93.5	70	130			
Chlorobenzene	19	1.0	20.00	0	93.0	70	130			
1,1-Dichloroethene	19	1.0	20.00	0	94.0	70	130			
Trichloroethene (TCE)	17	1.0	20.00	0	84.0	70	130			
Surr: 1,2-Dichloroethane-d4	9.2		10.00		92.3	70	130			
Surr: 4-Bromofluorobenzene	9.8		10.00		98.4	70	130			
Surr: Dibromofluoromethane	9.6		10.00		96.4	70	130			
Surr: Toluene-d8	10		10.00		99.9	70	130			

Sample ID **rb**	SampType: **MBLK**	TestCode: **EPA Method 8260B: VOLATILES**
Client ID: **PBW**	Batch ID: **W42546**	RunNo: **42546**
Prep Date:	Analysis Date: **5/4/2017**	SeqNo: **1338522** Units: **µg/L**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	ND	1.0								
Surr: 1,2-Dichloroethane-d4	9.5		10.00		95.1	70	130			
Surr: 4-Bromofluorobenzene	9.5		10.00		95.1	70	130			
Surr: Dibromofluoromethane	9.6		10.00		95.6	70	130			
Surr: Toluene-d8	9.9		10.00		98.5	70	130			

Sample ID **100ng lcs**	SampType: **LCS**	TestCode: **EPA Method 8260B: VOLATILES**
Client ID: **LCSW**	Batch ID: **W42546**	RunNo: **42546**
Prep Date:	Analysis Date: **5/4/2017**	SeqNo: **1338523** Units: **µg/L**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	20	1.0	20.00	0	99.8	70	130			
Surr: 1,2-Dichloroethane-d4	9.7		10.00		96.7	70	130			
Surr: 4-Bromofluorobenzene	9.9		10.00		98.8	70	130			
Surr: Dibromofluoromethane	9.5		10.00		95.3	70	130			
Surr: Toluene-d8	9.9		10.00		98.8	70	130			

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
R	RPD outside accepted recovery limits	RL	Reporting Detection Limit
S	% Recovery outside of range due to dilution or matrix	W	Sample container temperature is out of limit as specified

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: **1705010**

15-May-17

Client: GHD

Project: WT-1

Sample ID **lcs-31518**	SampType: **LCS**	TestCode: **EPA Method 8270C: Semivolatiles**
Client ID: **LCSW**	Batch ID: **31518**	RunNo: **42590**
Prep Date: **5/2/2017**	Analysis Date: **5/5/2017**	SeqNo: **1339521** Units: **µg/L**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Acenaphthene	74	10	100.0	0	74.3	42.9	100			
4-Chloro-3-methylphenol	150	10	200.0	0	73.2	36.2	110			
2-Chlorophenol	160	10	200.0	0	81.6	33.4	97.8			
1,4-Dichlorobenzene	67	10	100.0	0	67.3	32.8	79.3			
2,4-Dinitrotoluene	67	10	100.0	0	67.3	34.9	107			
N-Nitrosodi-n-propylamine	82	10	100.0	0	81.9	30.7	111			
4-Nitrophenol	100	10	200.0	0	52.5	15	91.9			
Pentachlorophenol	130	20	200.0	0	64.4	33.3	93.5			
Phenol	110	10	200.0	0	55.5	20.9	86.4			
Pyrene	74	10	100.0	0	74.0	45.6	111			
1,2,4-Trichlorobenzene	70	10	100.0	0	69.6	38.7	88.2			
Surr: 2-Fluorophenol	130		200.0		65.6	15	98.1			
Surr: Phenol-d5	110		200.0		56.2	15	80.7			
Surr: 2,4,6-Tribromophenol	150		200.0		76.3	15	112			
Surr: Nitrobenzene-d5	80		100.0		80.3	27.2	90.7			
Surr: 2-Fluorobiphenyl	80		100.0		80.4	23.3	85.6			
Surr: 4-Terphenyl-d14	63		100.0		63.4	27.6	107			

Sample ID **lcsd-31518**	SampType: **LCSD**	TestCode: **EPA Method 8270C: Semivolatiles**
Client ID: **LCSS02**	Batch ID: **31518**	RunNo: **42590**
Prep Date: **5/2/2017**	Analysis Date: **5/5/2017**	SeqNo: **1339522** Units: **µg/L**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Acenaphthene	63	10	100.0	0	63.2	42.9	100	16.1	37.4	
4-Chloro-3-methylphenol	140	10	200.0	0	71.3	36.2	110	2.59	26.8	
2-Chlorophenol	130	10	200.0	0	62.7	33.4	97.8	26.2	30.3	
1,4-Dichlorobenzene	54	10	100.0	0	53.5	32.8	79.3	22.9	32	
2,4-Dinitrotoluene	58	10	100.0	0	58.4	34.9	107	14.2	36.7	
N-Nitrosodi-n-propylamine	70	10	100.0	0	70.0	30.7	111	15.6	29.9	
4-Nitrophenol	100	10	200.0	0	50.0	15	91.9	4.82	28.8	
Pentachlorophenol	110	20	200.0	0	53.5	33.3	93.5	18.4	38.2	
Phenol	100	10	200.0	0	50.1	20.9	86.4	10.1	39.8	
Pyrene	66	10	100.0	0	65.7	45.6	111	11.9	28.3	
1,2,4-Trichlorobenzene	57	10	100.0	0	56.9	38.7	88.2	20.1	39.8	
Surr: 2-Fluorophenol	100		200.0		51.7	15	98.1	0	0	
Surr: Phenol-d5	93		200.0		46.7	15	80.7	0	0	
Surr: 2,4,6-Tribromophenol	120		200.0		61.6	15	112	0	0	
Surr: Nitrobenzene-d5	62		100.0		62.5	27.2	90.7	0	0	
Surr: 2-Fluorobiphenyl	64		100.0		63.8	23.3	85.6	0	0	

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
R	RPD outside accepted recovery limits	RL	Reporting Detection Limit
S	% Recovery outside of range due to dilution or matrix	W	Sample container temperature is out of limit as specified

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: **1705010**

15-May-17

Client: GHD

Project: WT-1

Sample ID	**lcsd-31518**	SampType:	**LCSD**		TestCode:	**EPA Method 8270C: Semivolatiles**				
Client ID:	**LCSS02**	Batch ID:	**31518**		RunNo:	**42590**				
Prep Date:	**5/2/2017**	Analysis Date:	**5/5/2017**		SeqNo:	**1339522**	Units:	**µg/L**		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: 4-Terphenyl-d14	58		100.0		57.6	27.6	107	0	0	

Sample ID	**mb-31518**	SampType:	**MBLK**		TestCode:	**EPA Method 8270C: Semivolatiles**				
Client ID:	**PBW**	Batch ID:	**31518**		RunNo:	**42590**				
Prep Date:	**5/2/2017**	Analysis Date:	**5/5/2017**		SeqNo:	**1339523**	Units:	**µg/L**		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Acenaphthene	ND	10								
Acenaphthylene	ND	10								
Aniline	ND	10								
Anthracene	ND	10								
Azobenzene	ND	10								
Benz(a)anthracene	ND	10								
Benzo(a)pyrene	ND	10								
Benzo(b)fluoranthene	ND	10								
Benzo(g,h,i)perylene	ND	10								
Benzo(k)fluoranthene	ND	10								
Benzoic acid	ND	20								
Benzyl alcohol	ND	10								
Bis(2-chloroethoxy)methane	ND	10								
Bis(2-chloroethyl)ether	ND	10								
Bis(2-chloroisopropyl)ether	ND	10								
Bis(2-ethylhexyl)phthalate	ND	10								
4-Bromophenyl phenyl ether	ND	10								
Butyl benzyl phthalate	ND	10								
Carbazole	ND	10								
4-Chloro-3-methylphenol	ND	10								
4-Chloroaniline	ND	10								
2-Chloronaphthalene	ND	10								
2-Chlorophenol	ND	10								
4-Chlorophenyl phenyl ether	ND	10								
Chrysene	ND	10								
Di-n-butyl phthalate	ND	10								
Di-n-octyl phthalate	ND	10								
Dibenz(a,h)anthracene	ND	10								
Dibenzofuran	ND	10								
1,2-Dichlorobenzene	ND	10								
1,3-Dichlorobenzene	ND	10								
1,4-Dichlorobenzene	ND	10								

Qualifiers:

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ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
R	RPD outside accepted recovery limits	RL	Reporting Detection Limit
S	% Recovery outside of range due to dilution or matrix	W	Sample container temperature is out of limit as specified

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: **1705010**

15-May-17

Client: GHD

Project: WT-1

Sample ID **mb-31518**	SampType: **MBLK**	TestCode: **EPA Method 8270C: Semivolatiles**
Client ID: **PBW**	Batch ID: **31518**	RunNo: **42590**
Prep Date: **5/2/2017**	Analysis Date: **5/5/2017**	SeqNo: **1339523** Units: **µg/L**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
3,3´-Dichlorobenzidine	ND	10								
Diethyl phthalate	ND	10								
Dimethyl phthalate	ND	10								
2,4-Dichlorophenol	ND	20								
2,4-Dimethylphenol	ND	10								
4,6-Dinitro-2-methylphenol	ND	20								
2,4-Dinitrophenol	ND	20								
2,4-Dinitrotoluene	ND	10								
2,6-Dinitrotoluene	ND	10								
Fluoranthene	ND	10								
Fluorene	ND	10								
Hexachlorobenzene	ND	10								
Hexachlorobutadiene	ND	10								
Hexachlorocyclopentadiene	ND	10								
Hexachloroethane	ND	10								
Indeno(1,2,3-cd)pyrene	ND	10								
Isophorone	ND	10								
1-Methylnaphthalene	ND	10								
2-Methylnaphthalene	ND	10								
2-Methylphenol	ND	10								
3+4-Methylphenol	ND	10								
N-Nitrosodi-n-propylamine	ND	10								
N-Nitrosodimethylamine	ND	10								
N-Nitrosodiphenylamine	ND	10								
Naphthalene	ND	10								
2-Nitroaniline	ND	10								
3-Nitroaniline	ND	10								
4-Nitroaniline	ND	10								
Nitrobenzene	ND	10								
2-Nitrophenol	ND	10								
4-Nitrophenol	ND	10								
Pentachlorophenol	ND	20								
Phenanthrene	ND	10								
Phenol	ND	10								
Pyrene	ND	10								
Pyridine	ND	10								
1,2,4-Trichlorobenzene	ND	10								
2,4,5-Trichlorophenol	ND	10								
2,4,6-Trichlorophenol	ND	10								

Qualifiers:

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D	Sample Diluted Due to Matrix	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
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QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: **1705010**

15-May-17

Client: GHD

Project: WT-1

Sample ID **mb-31518**	SampType: **MBLK**	TestCode: **EPA Method 8270C: Semivolatiles**
Client ID: **PBW**	Batch ID: **31518**	RunNo: **42590**
Prep Date: **5/2/2017**	Analysis Date: **5/5/2017**	SeqNo: **1339523** Units: **µg/L**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: 2-Fluorophenol	120		200.0		57.9	15	98.1			
Surr: Phenol-d5	97		200.0		48.3	15	80.7			
Surr: 2,4,6-Tribromophenol	140		200.0		69.2	15	112			
Surr: Nitrobenzene-d5	69		100.0		69.1	27.2	90.7			
Surr: 2-Fluorobiphenyl	70		100.0		70.1	23.3	85.6			
Surr: 4-Terphenyl-d14	63		100.0		62.5	27.6	107			

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
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S	% Recovery outside of range due to dilution or matrix	W	Sample container temperature is out of limit as specified

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: **1705010**

15-May-17

Client: GHD

Project: WT-1

Sample ID	**MB-A**	SampType:	**MBLK**	TestCode:	**EPA Method 6010B: Dissolved Metals**					
Client ID:	**PBW**	Batch ID:	**A42510**	RunNo:	**42510**					
Prep Date:		Analysis Date:	**5/3/2017**	SeqNo:	**1336683**	Units:	**mg/L**			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Iron	ND	0.020								

Sample ID	**LCS-A**	SampType:	**LCS**	TestCode:	**EPA Method 6010B: Dissolved Metals**					
Client ID:	**LCSW**	Batch ID:	**A42510**	RunNo:	**42510**					
Prep Date:		Analysis Date:	**5/3/2017**	SeqNo:	**1336684**	Units:	**mg/L**			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Iron	0.50	0.020	0.5000	0	100	80	120			

Sample ID	**LCSD-A**	SampType:	**LCSD**	TestCode:	**EPA Method 6010B: Dissolved Metals**					
Client ID:	**LCSS02**	Batch ID:	**A42510**	RunNo:	**42510**					
Prep Date:		Analysis Date:	**5/3/2017**	SeqNo:	**1336685**	Units:	**mg/L**			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Iron	0.51	0.020	0.5000	0	101	80	120	0.906	20	

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
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H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
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S	% Recovery outside of range due to dilution or matrix	W	Sample container temperature is out of limit as specified

HALL ENVIRONMENTAL ANALYSIS LABORATORY

Hall Environmental Analysis Laboratory
4901 Hawkins NE
Albuquerque, NM 87109
TEL: 505-345-3975 FAX: 505-345-4107
Website: www.hallenvironmental.com

Sample Log-In Check List

Client Name: GHD | Work Order Number: 1705010 | RcptNo: 1

Received By: **Andy Freeman** 4/29/2017 8:00:00 AM

Completed By: **Andy Jansson** 5/1/2017 11:06:51 AM

Reviewed By: SRC 05/01/17

Chain of Custody

1. Custody seals intact on sample bottles?	Yes ☐	No ☐	Not Present ☑
2. Is Chain of Custody complete?	Yes ☑	No ☐	Not Present ☐
3. How was the sample delivered?	Courier		

Log In

4. Was an attempt made to cool the samples?	Yes ☑	No ☐	NA ☐
5. Were all samples received at a temperature of >0° C to 6.0°C	Yes ☑	No ☐	NA ☐
6. Sample(s) in proper container(s)?	Yes ☑	No ☐	
7. Sufficient sample volume for indicated test(s)?	Yes ☑	No ☐	
8. Are samples (except VOA and ONG) properly preserved?	~~Yes ☑~~	No ☑ ENM 05/01/17	
9. Was preservative added to bottles?	Yes ☑	~~No ☑~~	NA ☐
10. VOA vials have zero headspace?	Yes ☐	No ☐	No VOA Vials ☑
11. Were any sample containers received broken?	Yes ☐	No ☑	
12. Does paperwork match bottle labels? (Note discrepancies on chain of custody)	Yes ☑	No ☐	
13. Are matrices correctly identified on Chain of Custody?	Yes ☑	No ☐	
14. Is it clear what analyses were requested?	Yes ☑	No ☐	
15. Were all holding times able to be met? (If no, notify customer for authorization.)	Yes ☑	No ☐	

# of preserved bottles checked for pH: 6 2 (2 or >12 unless noted)

Adjusted? YES

Checked by: ENM

Special Handling (if applicable)

16. Was client notified of all discrepancies with this order? Yes ☐ No ☐ NA ☑

Person Notified: ____ Date ____

By Whom: ____ Via: ☐ eMail ☐ Phone ☐ Fax ☐ In Person

Regarding: ____

Client Instructions: ____

17. Additional remarks: For metals analysis; poured off from provided 500mL HDPE into 125mL bottle & 500mL metals bottle for -002C and -002D. Poured off into 500mL metals bottle for ~~-00~~ -002D and 1mL to -002C and -016C for acceptable pH. 016C Held for 24 hrs. prior to analysis. -ENM 05/01/17 1315

18. **Cooler Information** Added 0.4mL HNO_3 to -002D and

Cooler No	Temp °C	Condition	Seal Intact	Seal No	Seal Date	Signed By
1	2.1	Good	Yes			

Chain-of-Custody Record

Client: GHD Services, Inc.

Mailing Address: 6121 Indian School Rd. NE Albuquerque, NM 87110

Phone #: 505 884 0672

email or Fax#: Bernard.Bockisch@ghd.com

QA/QC Package:
☐ Standard ☐ Level 4 (Full Validation)

Accreditation
☐ NELAP ☐ Other _____

☐ EDD (Type) _____

Turn-Around Time:
☒ Standard ☐ Rush _____

Project Name: WT-1

Project #: 11103552

Project Manager: Bernard Bockisch

Sampler: Charles Neligh

On Ice: ☒ Yes ☐ No

Sample Temperature: 2.1 °C

HALL ENVIRONMENTAL ANALYSIS LABORATORY

www.hallenvironmental.com

4901 Hawkins NE - Albuquerque, NM 87109

Tel. 505-345-3975 Fax 505-345-4107

Analysis Request

Date	Time	Matrix	Sample Request ID	Container Type and #	Preservative Type	HEAL No. 1705010	BTEX + MTBE + TMB's (8021)	BTEX + MTBE + TPH (Gas only)	TPH 8015B (GRO / DRO / MRO)	TPH (Method 418.1)	EDB (Method 504.1)	PAH's (8310 or 8270 SIMS)	RCRA 8 Metals	Anions ($F, Cl, NO_3, NO_2, PO_4, SO_4$)	8081 Pesticides / 8082 PCB's	8260B (VOA)	8270 (Semi-VOA)	Method 6010	Method SM4500	6010 (Total & Dissolved Fe, CH_4, SO_4)	4500(SO_4-2)	Air Bubbles (Y or N)
4/27/17	10:05	AQ	GW-11103552-042717-SVE11	Various	ICE/HCl	-001										X	X					
4/25/17	11:45	AQ	GW-11103552-042517-SVE5	Various	HCl/ICE	-002										X	X	X	X	X	X	
4/25/17	15:30	AQ	GW-11103552-042517-SVE7	Various	ICE/HCl	-003								X		X	X					
4/25/17	10:55	AQ	GW-11103552-042517-SVE-8	Various	HCl/ICE	-004										X	X	X	X	X	X	
4/26/17	10:50	AQ	GW-11103552-042617-SVE9	Various	ICE/HCl	-005										X	X					
~~4/25/17~~	~~13:15~~	~~AQ~~	~~GW-11103552-042517-SVE10~~	~~Various~~	~~ICE/HCl~~	~~-006~~										X	X					
4/25/17	12:30	AQ	GW-11103552-042517-SVE13	Various	ICE/HCl	-007										X	X					
4/25/17	13:00	AQ	GW-11103552-042517-SVE14	Various	ICE/HCl	-008								X		X	X					
4/27/17	10:50	AQ	GW-11103552-042717-MW4	Various	ICE/HCl	-009										X	X					
4/26/17	15:50	AQ	GW-11103552-042617-MW5	Various	ICE/HCl	-010										X	X					
4/27/17	09:20	AQ	GW-11103552-042717-MW6	Various	ICE/HCl	-011										X	X					
4/26/17	15:20	AQ	GW-11103552-042617-MW7	Various	ICE/HCl	-012										X	X					

Date:	Time:	Relinquished by:	Received by:	Date	Time
4/28/17	1335			4/28/17	1335
4/28/17	1900			4/29/17	0800

Remarks:
Add SO_4 to SVE-7 and SVE-14.
Cancel SVE10 of per Bernie 5/1
SO_4 per Bernie 5/1

To sample of 5/1/17

If necessary, samples submitted to Hall Environmental may be subcontracted to other accredited laboratories. This serves as notice of this possibility. Any sub-contracted data will be clearly notated on the analytical report.

Chain-of-Custody Record

Client: GHD Services, Inc.

Mailing Address: 6121 Indian School Rd NE Albuquerque, NM 87110

Phone #: 505 884 0672

email or Fax#: Bernard.Bockisch@ghd.com

QA/QC Package:
☐ Standard ☐ Level 4 (Full Validation)

Accreditation
☐ NELAP ☐ Other _____

☐ EDD (Type) _____

Turn-Around Time:
☒ Standard ☐ Rush _____

Project Name: WT-1

Project #: 11103552

Project Manager: Bernard Bockisch

Sampler: Charles Nelish

On Ice: ☒ Yes ☐ No

Sample Temperature: 2.1°C

HALL ENVIRONMENTAL ANALYSIS LABORATORY

www.hallenvironmental.com

4901 Hawkins NE - Albuquerque, NM 87109

Tel. 505-345-3975 Fax 505-345-4107

Date	Time	Matrix	Sample Request ID	Container Type and #	Preservative Type	HEAL No. 1705010	BTEX + MTBE + TMB's (8021)	BTEX + MTBE + TPH (Gas only)	TPH 8015B (GRO / DRO / MRO)	TPH (Method 418.1)	EDB (Method 504.1)	PAH's (8310 or 8270 SIMS)	RCRA 8 Metals	Anions ($F, Cl, NO_3, NO_2, PO_4, SO_4$)	8081 Pesticides / 8082 PCB's	8260B (VOA)	8270 (Semi-VOA)	Method 6010	Method SM4500	6010 (total & dissolved Fe, CH_4, SO_4)	4500(S2-)	Air Bubbles (Y or N)
4/26/17	14:50	AQ	GW-11103552-042617-MW8	Various	~~ICE~~/HCl	-013										X	X					
4/26/17	13:15	AQ	GW-11103552-042617-MW14	Various	ICE/HCl	-014										X	X					
4/25/17	13:15	AQ	GW-11103552-042517-SVE2	Various	ICE/HCl	-015										X	X					
4/25/17	15:40	AQ	GW-11103552-042517-MW10	Various	ICE/HCl	-016										X	X	X	X	X	X	
																X	X					

Date:	Time:	Relinquished by:	Received by:	Date	Time
4/28/17	1334			4/28/17	1334
4/28/17	1900			4/29/17	0800

Remarks:

If necessary, samples submitted to Hall Environmental may be subcontracted to other accredited laboratories. This serves as notice of this possibility. Any sub-contracted data will be clearly notated on the analytical report.

Hall Environmental Analysis Laboratory
4901 Hawkins NE
Albuquerque, NM 87109
TEL: 505-345-3975 FAX: 505-345-4107
Website: www.hallenvironmental.com

May 16, 2017

Bernie Bockish

GHD
6121 Indian School Road, NE #200
Albuquerque, NM 87110
TEL: (505) 884-0672
FAX

RE: WT-1 OrderNo.: 1705150

Dear Bernie Bockish:

Hall Environmental Analysis Laboratory received 2 sample(s) on 5/3/2017 for the analyses presented in the following report.

These were analyzed according to EPA procedures or equivalent. To access our accredited tests please go to www.hallenvironmental.com or the state specific web sites. In order to properly interpret your results, it is imperative that you review this report in its entirety. See the sample checklist and/or the Chain of Custody for information regarding the sample receipt temperature and preservation. Data qualifiers or a narrative will be provided if the sample analysis or analytical quality control parameters require a flag. When necessary, data qualifiers are provided on both the sample analysis report and the QC summary report, both sections should be reviewed. All samples are reported, as received, unless otherwise indicated. Lab measurement of analytes considered field parameters that require analysis within 15 minutes of sampling such as pH and residual chlorine are qualified as being analyzed outside of the recommended holding time.

Please don't hesitate to contact HEAL for any additional information or clarifications.

ADHS Cert #AZ0682 -- NMED-DWB Cert #NM9425 -- NMED-Micro Cert #NM0190

Sincerely,

Andy Freeman
Laboratory Manager
4901 Hawkins NE
Albuquerque, NM 87109

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD
Client Sample ID: 11103552-050217-SVE-1
Project: WT-1
Collection Date: 5/2/2017 9:15:00 AM
Lab ID: 1705150-001
Matrix: AQUEOUS
Received Date: 5/3/2017 9:10:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8270C: SEMIVOLATILES						Analyst: **DAM**	
Acenaphthene	ND	10		µg/L	1	5/12/2017 3:40:59 PM	31605
Acenaphthylene	ND	10		µg/L	1	5/12/2017 3:40:59 PM	31605
Aniline	ND	10		µg/L	1	5/12/2017 3:40:59 PM	31605
Anthracene	ND	10		µg/L	1	5/12/2017 3:40:59 PM	31605
Azobenzene	ND	10		µg/L	1	5/12/2017 3:40:59 PM	31605
Benz(a)anthracene	ND	10		µg/L	1	5/12/2017 3:40:59 PM	31605
Benzo(a)pyrene	ND	10		µg/L	1	5/12/2017 3:40:59 PM	31605
Benzo(b)fluoranthene	ND	10		µg/L	1	5/12/2017 3:40:59 PM	31605
Benzo(g,h,i)perylene	ND	10		µg/L	1	5/12/2017 3:40:59 PM	31605
Benzo(k)fluoranthene	ND	10		µg/L	1	5/12/2017 3:40:59 PM	31605
Benzoic acid	ND	20		µg/L	1	5/12/2017 3:40:59 PM	31605
Benzyl alcohol	ND	10		µg/L	1	5/12/2017 3:40:59 PM	31605
Bis(2-chloroethoxy)methane	ND	10		µg/L	1	5/12/2017 3:40:59 PM	31605
Bis(2-chloroethyl)ether	ND	10		µg/L	1	5/12/2017 3:40:59 PM	31605
Bis(2-chloroisopropyl)ether	ND	10		µg/L	1	5/12/2017 3:40:59 PM	31605
Bis(2-ethylhexyl)phthalate	ND	10		µg/L	1	5/12/2017 3:40:59 PM	31605
4-Bromophenyl phenyl ether	ND	10		µg/L	1	5/12/2017 3:40:59 PM	31605
Butyl benzyl phthalate	ND	10		µg/L	1	5/12/2017 3:40:59 PM	31605
Carbazole	ND	10		µg/L	1	5/12/2017 3:40:59 PM	31605
4-Chloro-3-methylphenol	ND	10		µg/L	1	5/12/2017 3:40:59 PM	31605
4-Chloroaniline	ND	10		µg/L	1	5/12/2017 3:40:59 PM	31605
2-Chloronaphthalene	ND	10		µg/L	1	5/12/2017 3:40:59 PM	31605
2-Chlorophenol	ND	10		µg/L	1	5/12/2017 3:40:59 PM	31605
4-Chlorophenyl phenyl ether	ND	10		µg/L	1	5/12/2017 3:40:59 PM	31605
Chrysene	ND	10		µg/L	1	5/12/2017 3:40:59 PM	31605
Di-n-butyl phthalate	ND	10		µg/L	1	5/12/2017 3:40:59 PM	31605
Di-n-octyl phthalate	ND	10		µg/L	1	5/12/2017 3:40:59 PM	31605
Dibenz(a,h)anthracene	ND	10		µg/L	1	5/12/2017 3:40:59 PM	31605
Dibenzofuran	ND	10		µg/L	1	5/12/2017 3:40:59 PM	31605
1,2-Dichlorobenzene	ND	10		µg/L	1	5/12/2017 3:40:59 PM	31605
1,3-Dichlorobenzene	ND	10		µg/L	1	5/12/2017 3:40:59 PM	31605
1,4-Dichlorobenzene	ND	10		µg/L	1	5/12/2017 3:40:59 PM	31605
3,3´-Dichlorobenzidine	ND	10		µg/L	1	5/12/2017 3:40:59 PM	31605
Diethyl phthalate	ND	10		µg/L	1	5/12/2017 3:40:59 PM	31605
Dimethyl phthalate	ND	10		µg/L	1	5/12/2017 3:40:59 PM	31605
2,4-Dichlorophenol	ND	20		µg/L	1	5/12/2017 3:40:59 PM	31605
2,4-Dimethylphenol	ND	10		µg/L	1	5/12/2017 3:40:59 PM	31605
4,6-Dinitro-2-methylphenol	ND	20		µg/L	1	5/12/2017 3:40:59 PM	31605
2,4-Dinitrophenol	ND	20		µg/L	1	5/12/2017 3:40:59 PM	31605

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
R	RPD outside accepted recovery limits	RL	Reporting Detection Limit
S	% Recovery outside of range due to dilution or matrix	W	Sample container temperature is out of limit as specified

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD
Client Sample ID: 11103552-050217-SVE-1
Project: WT-1
Collection Date: 5/2/2017 9:15:00 AM
Lab ID: 1705150-001
Matrix: AQUEOUS
Received Date: 5/3/2017 9:10:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8270C: SEMIVOLATILES						Analyst: **DAM**	
2,4-Dinitrotoluene	ND	10		µg/L	1	5/12/2017 3:40:59 PM	31605
2,6-Dinitrotoluene	ND	10		µg/L	1	5/12/2017 3:40:59 PM	31605
Fluoranthene	ND	10		µg/L	1	5/12/2017 3:40:59 PM	31605
Fluorene	ND	10		µg/L	1	5/12/2017 3:40:59 PM	31605
Hexachlorobenzene	ND	10		µg/L	1	5/12/2017 3:40:59 PM	31605
Hexachlorobutadiene	ND	10		µg/L	1	5/12/2017 3:40:59 PM	31605
Hexachlorocyclopentadiene	ND	10		µg/L	1	5/12/2017 3:40:59 PM	31605
Hexachloroethane	ND	10		µg/L	1	5/12/2017 3:40:59 PM	31605
Indeno(1,2,3-cd)pyrene	ND	10		µg/L	1	5/12/2017 3:40:59 PM	31605
Isophorone	ND	10		µg/L	1	5/12/2017 3:40:59 PM	31605
1-Methylnaphthalene	ND	10		µg/L	1	5/12/2017 3:40:59 PM	31605
2-Methylnaphthalene	ND	10		µg/L	1	5/12/2017 3:40:59 PM	31605
2-Methylphenol	ND	10		µg/L	1	5/12/2017 3:40:59 PM	31605
3+4-Methylphenol	ND	10		µg/L	1	5/12/2017 3:40:59 PM	31605
N-Nitrosodi-n-propylamine	ND	10		µg/L	1	5/12/2017 3:40:59 PM	31605
N-Nitrosodimethylamine	ND	10		µg/L	1	5/12/2017 3:40:59 PM	31605
N-Nitrosodiphenylamine	ND	10		µg/L	1	5/12/2017 3:40:59 PM	31605
Naphthalene	ND	10		µg/L	1	5/12/2017 3:40:59 PM	31605
2-Nitroaniline	ND	10		µg/L	1	5/12/2017 3:40:59 PM	31605
3-Nitroaniline	ND	10		µg/L	1	5/12/2017 3:40:59 PM	31605
4-Nitroaniline	ND	10		µg/L	1	5/12/2017 3:40:59 PM	31605
Nitrobenzene	ND	10		µg/L	1	5/12/2017 3:40:59 PM	31605
2-Nitrophenol	ND	10		µg/L	1	5/12/2017 3:40:59 PM	31605
4-Nitrophenol	ND	10		µg/L	1	5/12/2017 3:40:59 PM	31605
Pentachlorophenol	ND	20		µg/L	1	5/12/2017 3:40:59 PM	31605
Phenanthrene	ND	10		µg/L	1	5/12/2017 3:40:59 PM	31605
Phenol	ND	10		µg/L	1	5/12/2017 3:40:59 PM	31605
Pyrene	ND	10		µg/L	1	5/12/2017 3:40:59 PM	31605
Pyridine	ND	10		µg/L	1	5/12/2017 3:40:59 PM	31605
1,2,4-Trichlorobenzene	ND	10		µg/L	1	5/12/2017 3:40:59 PM	31605
2,4,5-Trichlorophenol	ND	10		µg/L	1	5/12/2017 3:40:59 PM	31605
2,4,6-Trichlorophenol	ND	10		µg/L	1	5/12/2017 3:40:59 PM	31605
Surr: 2-Fluorophenol	48.9	15-98.1		%Rec	1	5/12/2017 3:40:59 PM	31605
Surr: Phenol-d5	33.9	15-80.7		%Rec	1	5/12/2017 3:40:59 PM	31605
Surr: 2,4,6-Tribromophenol	60.1	15-112		%Rec	1	5/12/2017 3:40:59 PM	31605
Surr: Nitrobenzene-d5	67.8	27.2-90.7		%Rec	1	5/12/2017 3:40:59 PM	31605
Surr: 2-Fluorobiphenyl	66.7	23.3-85.6		%Rec	1	5/12/2017 3:40:59 PM	31605
Surr: 4-Terphenyl-d14	60.1	27.6-107		%Rec	1	5/12/2017 3:40:59 PM	31605
EPA METHOD 8260B: VOLATILES						Analyst: **AG**	

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
R	RPD outside accepted recovery limits	RL	Reporting Detection Limit
S	% Recovery outside of range due to dilution or matrix	W	Sample container temperature is out of limit as specified

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD
Client Sample ID: 11103552-050217-SVE-1
Project: WT-1
Collection Date: 5/2/2017 9:15:00 AM
Lab ID: 1705150-001
Matrix: AQUEOUS
Received Date: 5/3/2017 9:10:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8260B: VOLATILES						Analyst: **AG**	
Benzene	19	5.0		µg/L	5	5/5/2017 10:42:00 AM	R42569
Toluene	ND	5.0		µg/L	5	5/5/2017 10:42:00 AM	R42569
Ethylbenzene	350	5.0		µg/L	5	5/5/2017 10:42:00 AM	R42569
Methyl tert-butyl ether (MTBE)	ND	5.0		µg/L	5	5/5/2017 10:42:00 AM	R42569
1,2,4-Trimethylbenzene	10	5.0		µg/L	5	5/5/2017 10:42:00 AM	R42569
1,3,5-Trimethylbenzene	ND	5.0		µg/L	5	5/5/2017 10:42:00 AM	R42569
1,2-Dichloroethane (EDC)	ND	5.0		µg/L	5	5/5/2017 10:42:00 AM	R42569
1,2-Dibromoethane (EDB)	ND	5.0		µg/L	5	5/5/2017 10:42:00 AM	R42569
Naphthalene	ND	10		µg/L	5	5/5/2017 10:42:00 AM	R42569
1-Methylnaphthalene	ND	20		µg/L	5	5/5/2017 10:42:00 AM	R42569
2-Methylnaphthalene	ND	20		µg/L	5	5/5/2017 10:42:00 AM	R42569
Acetone	ND	50		µg/L	5	5/5/2017 10:42:00 AM	R42569
Bromobenzene	ND	5.0		µg/L	5	5/5/2017 10:42:00 AM	R42569
Bromodichloromethane	ND	5.0		µg/L	5	5/5/2017 10:42:00 AM	R42569
Bromoform	ND	5.0		µg/L	5	5/5/2017 10:42:00 AM	R42569
Bromomethane	ND	15		µg/L	5	5/5/2017 10:42:00 AM	R42569
2-Butanone	ND	50		µg/L	5	5/5/2017 10:42:00 AM	R42569
Carbon disulfide	ND	50		µg/L	5	5/5/2017 10:42:00 AM	R42569
Carbon Tetrachloride	ND	5.0		µg/L	5	5/5/2017 10:42:00 AM	R42569
Chlorobenzene	ND	5.0		µg/L	5	5/5/2017 10:42:00 AM	R42569
Chloroethane	ND	10		µg/L	5	5/5/2017 10:42:00 AM	R42569
Chloroform	ND	5.0		µg/L	5	5/5/2017 10:42:00 AM	R42569
Chloromethane	ND	15		µg/L	5	5/5/2017 10:42:00 AM	R42569
2-Chlorotoluene	ND	5.0		µg/L	5	5/5/2017 10:42:00 AM	R42569
4-Chlorotoluene	ND	5.0		µg/L	5	5/5/2017 10:42:00 AM	R42569
cis-1,2-DCE	ND	5.0		µg/L	5	5/5/2017 10:42:00 AM	R42569
cis-1,3-Dichloropropene	ND	5.0		µg/L	5	5/5/2017 10:42:00 AM	R42569
1,2-Dibromo-3-chloropropane	ND	10		µg/L	5	5/5/2017 10:42:00 AM	R42569
Dibromochloromethane	ND	5.0		µg/L	5	5/5/2017 10:42:00 AM	R42569
Dibromomethane	ND	5.0		µg/L	5	5/5/2017 10:42:00 AM	R42569
1,2-Dichlorobenzene	ND	5.0		µg/L	5	5/5/2017 10:42:00 AM	R42569
1,3-Dichlorobenzene	ND	5.0		µg/L	5	5/5/2017 10:42:00 AM	R42569
1,4-Dichlorobenzene	ND	5.0		µg/L	5	5/5/2017 10:42:00 AM	R42569
Dichlorodifluoromethane	ND	5.0		µg/L	5	5/5/2017 10:42:00 AM	R42569
1,1-Dichloroethane	ND	5.0		µg/L	5	5/5/2017 10:42:00 AM	R42569
1,1-Dichloroethene	ND	5.0		µg/L	5	5/5/2017 10:42:00 AM	R42569
1,2-Dichloropropane	ND	5.0		µg/L	5	5/5/2017 10:42:00 AM	R42569
1,3-Dichloropropane	ND	5.0		µg/L	5	5/5/2017 10:42:00 AM	R42569
2,2-Dichloropropane	ND	10		µg/L	5	5/5/2017 10:42:00 AM	R42569

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
R	RPD outside accepted recovery limits	RL	Reporting Detection Limit
S	% Recovery outside of range due to dilution or matrix	W	Sample container temperature is out of limit as specified

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD
Client Sample ID: 11103552-050217-SVE-1
Project: WT-1
Collection Date: 5/2/2017 9:15:00 AM
Lab ID: 1705150-001
Matrix: AQUEOUS
Received Date: 5/3/2017 9:10:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8260B: VOLATILES						Analyst: **AG**	
1,1-Dichloropropene	ND	5.0		µg/L	5	5/5/2017 10:42:00 AM	R42569
Hexachlorobutadiene	ND	5.0		µg/L	5	5/5/2017 10:42:00 AM	R42569
2-Hexanone	ND	50		µg/L	5	5/5/2017 10:42:00 AM	R42569
Isopropylbenzene	33	5.0		µg/L	5	5/5/2017 10:42:00 AM	R42569
4-Isopropyltoluene	7.4	5.0		µg/L	5	5/5/2017 10:42:00 AM	R42569
4-Methyl-2-pentanone	ND	50		µg/L	5	5/5/2017 10:42:00 AM	R42569
Methylene Chloride	ND	15		µg/L	5	5/5/2017 10:42:00 AM	R42569
n-Butylbenzene	ND	15		µg/L	5	5/5/2017 10:42:00 AM	R42569
n-Propylbenzene	36	5.0		µg/L	5	5/5/2017 10:42:00 AM	R42569
sec-Butylbenzene	ND	5.0		µg/L	5	5/5/2017 10:42:00 AM	R42569
Styrene	ND	5.0		µg/L	5	5/5/2017 10:42:00 AM	R42569
tert-Butylbenzene	ND	5.0		µg/L	5	5/5/2017 10:42:00 AM	R42569
1,1,1,2-Tetrachloroethane	ND	5.0		µg/L	5	5/5/2017 10:42:00 AM	R42569
1,1,2,2-Tetrachloroethane	ND	10		µg/L	5	5/5/2017 10:42:00 AM	R42569
Tetrachloroethene (PCE)	ND	5.0		µg/L	5	5/5/2017 10:42:00 AM	R42569
trans-1,2-DCE	ND	5.0		µg/L	5	5/5/2017 10:42:00 AM	R42569
trans-1,3-Dichloropropene	ND	5.0		µg/L	5	5/5/2017 10:42:00 AM	R42569
1,2,3-Trichlorobenzene	ND	5.0		µg/L	5	5/5/2017 10:42:00 AM	R42569
1,2,4-Trichlorobenzene	ND	5.0		µg/L	5	5/5/2017 10:42:00 AM	R42569
1,1,1-Trichloroethane	ND	5.0		µg/L	5	5/5/2017 10:42:00 AM	R42569
1,1,2-Trichloroethane	ND	5.0		µg/L	5	5/5/2017 10:42:00 AM	R42569
Trichloroethene (TCE)	ND	5.0		µg/L	5	5/5/2017 10:42:00 AM	R42569
Trichlorofluoromethane	ND	5.0		µg/L	5	5/5/2017 10:42:00 AM	R42569
1,2,3-Trichloropropane	ND	10		µg/L	5	5/5/2017 10:42:00 AM	R42569
Vinyl chloride	ND	5.0		µg/L	5	5/5/2017 10:42:00 AM	R42569
Xylenes, Total	28	7.5		µg/L	5	5/5/2017 10:42:00 AM	R42569
Surr: 1,2-Dichloroethane-d4	79.2	70-130		%Rec	5	5/5/2017 10:42:00 AM	R42569
Surr: 4-Bromofluorobenzene	103	70-130		%Rec	5	5/5/2017 10:42:00 AM	R42569
Surr: Dibromofluoromethane	94.3	70-130		%Rec	5	5/5/2017 10:42:00 AM	R42569
Surr: Toluene-d8	101	70-130		%Rec	5	5/5/2017 10:42:00 AM	R42569

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
R	RPD outside accepted recovery limits	RL	Reporting Detection Limit
S	% Recovery outside of range due to dilution or matrix	W	Sample container temperature is out of limit as specified

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD
Client Sample ID: 11103552-050217-SVE-10
Project: WT-1
Collection Date: 5/2/2017 10:25:00 AM
Lab ID: 1705150-002
Matrix: AQUEOUS
Received Date: 5/3/2017 9:10:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8270C: SEMIVOLATILES						Analyst: **DAM**	
Acenaphthene	ND	50	D	µg/L	1	5/12/2017 4:09:09 PM	31605
Acenaphthylene	ND	50	D	µg/L	1	5/12/2017 4:09:09 PM	31605
Aniline	ND	50	D	µg/L	1	5/12/2017 4:09:09 PM	31605
Anthracene	ND	50	D	µg/L	1	5/12/2017 4:09:09 PM	31605
Azobenzene	ND	50	D	µg/L	1	5/12/2017 4:09:09 PM	31605
Benz(a)anthracene	ND	50	D	µg/L	1	5/12/2017 4:09:09 PM	31605
Benzo(a)pyrene	ND	50	D	µg/L	1	5/12/2017 4:09:09 PM	31605
Benzo(b)fluoranthene	ND	50	D	µg/L	1	5/12/2017 4:09:09 PM	31605
Benzo(g,h,i)perylene	ND	50	D	µg/L	1	5/12/2017 4:09:09 PM	31605
Benzo(k)fluoranthene	ND	50	D	µg/L	1	5/12/2017 4:09:09 PM	31605
Benzoic acid	ND	100	D	µg/L	1	5/12/2017 4:09:09 PM	31605
Benzyl alcohol	ND	50	D	µg/L	1	5/12/2017 4:09:09 PM	31605
Bis(2-chloroethoxy)methane	ND	50	D	µg/L	1	5/12/2017 4:09:09 PM	31605
Bis(2-chloroethyl)ether	ND	50	D	µg/L	1	5/12/2017 4:09:09 PM	31605
Bis(2-chloroisopropyl)ether	ND	50	D	µg/L	1	5/12/2017 4:09:09 PM	31605
Bis(2-ethylhexyl)phthalate	ND	50	D	µg/L	1	5/12/2017 4:09:09 PM	31605
4-Bromophenyl phenyl ether	ND	50	D	µg/L	1	5/12/2017 4:09:09 PM	31605
Butyl benzyl phthalate	ND	50	D	µg/L	1	5/12/2017 4:09:09 PM	31605
Carbazole	ND	50	D	µg/L	1	5/12/2017 4:09:09 PM	31605
4-Chloro-3-methylphenol	ND	50	D	µg/L	1	5/12/2017 4:09:09 PM	31605
4-Chloroaniline	ND	50	D	µg/L	1	5/12/2017 4:09:09 PM	31605
2-Chloronaphthalene	ND	50	D	µg/L	1	5/12/2017 4:09:09 PM	31605
2-Chlorophenol	ND	50	D	µg/L	1	5/12/2017 4:09:09 PM	31605
4-Chlorophenyl phenyl ether	ND	50	D	µg/L	1	5/12/2017 4:09:09 PM	31605
Chrysene	ND	50	D	µg/L	1	5/12/2017 4:09:09 PM	31605
Di-n-butyl phthalate	ND	50	D	µg/L	1	5/12/2017 4:09:09 PM	31605
Di-n-octyl phthalate	ND	50	D	µg/L	1	5/12/2017 4:09:09 PM	31605
Dibenz(a,h)anthracene	ND	50	D	µg/L	1	5/12/2017 4:09:09 PM	31605
Dibenzofuran	ND	50	D	µg/L	1	5/12/2017 4:09:09 PM	31605
1,2-Dichlorobenzene	ND	50	D	µg/L	1	5/12/2017 4:09:09 PM	31605
1,3-Dichlorobenzene	ND	50	D	µg/L	1	5/12/2017 4:09:09 PM	31605
1,4-Dichlorobenzene	ND	50	D	µg/L	1	5/12/2017 4:09:09 PM	31605
3,3´-Dichlorobenzidine	ND	50	D	µg/L	1	5/12/2017 4:09:09 PM	31605
Diethyl phthalate	ND	50	D	µg/L	1	5/12/2017 4:09:09 PM	31605
Dimethyl phthalate	ND	50	D	µg/L	1	5/12/2017 4:09:09 PM	31605
2,4-Dichlorophenol	ND	100	D	µg/L	1	5/12/2017 4:09:09 PM	31605
2,4-Dimethylphenol	ND	50	D	µg/L	1	5/12/2017 4:09:09 PM	31605
4,6-Dinitro-2-methylphenol	ND	100	D	µg/L	1	5/12/2017 4:09:09 PM	31605
2,4-Dinitrophenol	ND	100	D	µg/L	1	5/12/2017 4:09:09 PM	31605

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Qualifiers:

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Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD
Client Sample ID: 11103552-050217-SVE-10
Project: WT-1
Collection Date: 5/2/2017 10:25:00 AM
Lab ID: 1705150-002
Matrix: AQUEOUS
Received Date: 5/3/2017 9:10:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8270C: SEMIVOLATILES						Analyst: **DAM**	
2,4-Dinitrotoluene	ND	50	D	µg/L	1	5/12/2017 4:09:09 PM	31605
2,6-Dinitrotoluene	ND	50	D	µg/L	1	5/12/2017 4:09:09 PM	31605
Fluoranthene	ND	50	D	µg/L	1	5/12/2017 4:09:09 PM	31605
Fluorene	ND	50	D	µg/L	1	5/12/2017 4:09:09 PM	31605
Hexachlorobenzene	ND	50	D	µg/L	1	5/12/2017 4:09:09 PM	31605
Hexachlorobutadiene	ND	50	D	µg/L	1	5/12/2017 4:09:09 PM	31605
Hexachlorocyclopentadiene	ND	50	D	µg/L	1	5/12/2017 4:09:09 PM	31605
Hexachloroethane	ND	50	D	µg/L	1	5/12/2017 4:09:09 PM	31605
Indeno(1,2,3-cd)pyrene	ND	50	D	µg/L	1	5/12/2017 4:09:09 PM	31605
Isophorone	ND	50	D	µg/L	1	5/12/2017 4:09:09 PM	31605
1-Methylnaphthalene	ND	50	D	µg/L	1	5/12/2017 4:09:09 PM	31605
2-Methylnaphthalene	ND	50	D	µg/L	1	5/12/2017 4:09:09 PM	31605
2-Methylphenol	ND	50	D	µg/L	1	5/12/2017 4:09:09 PM	31605
3+4-Methylphenol	ND	50	D	µg/L	1	5/12/2017 4:09:09 PM	31605
N-Nitrosodi-n-propylamine	ND	50	D	µg/L	1	5/12/2017 4:09:09 PM	31605
N-Nitrosodimethylamine	ND	50	D	µg/L	1	5/12/2017 4:09:09 PM	31605
N-Nitrosodiphenylamine	ND	50	D	µg/L	1	5/12/2017 4:09:09 PM	31605
Naphthalene	ND	50	D	µg/L	1	5/12/2017 4:09:09 PM	31605
2-Nitroaniline	ND	50	D	µg/L	1	5/12/2017 4:09:09 PM	31605
3-Nitroaniline	ND	50	D	µg/L	1	5/12/2017 4:09:09 PM	31605
4-Nitroaniline	ND	50	D	µg/L	1	5/12/2017 4:09:09 PM	31605
Nitrobenzene	ND	50	D	µg/L	1	5/12/2017 4:09:09 PM	31605
2-Nitrophenol	ND	50	D	µg/L	1	5/12/2017 4:09:09 PM	31605
4-Nitrophenol	ND	50	D	µg/L	1	5/12/2017 4:09:09 PM	31605
Pentachlorophenol	ND	100	D	µg/L	1	5/12/2017 4:09:09 PM	31605
Phenanthrene	ND	50	D	µg/L	1	5/12/2017 4:09:09 PM	31605
Phenol	ND	50	D	µg/L	1	5/12/2017 4:09:09 PM	31605
Pyrene	ND	50	D	µg/L	1	5/12/2017 4:09:09 PM	31605
Pyridine	ND	50	D	µg/L	1	5/12/2017 4:09:09 PM	31605
1,2,4-Trichlorobenzene	ND	50	D	µg/L	1	5/12/2017 4:09:09 PM	31605
2,4,5-Trichlorophenol	ND	50	D	µg/L	1	5/12/2017 4:09:09 PM	31605
2,4,6-Trichlorophenol	ND	50	D	µg/L	1	5/12/2017 4:09:09 PM	31605
Surr: 2-Fluorophenol	31.6	15-98.1	D	%Rec	1	5/12/2017 4:09:09 PM	31605
Surr: Phenol-d5	27.6	15-80.7	D	%Rec	1	5/12/2017 4:09:09 PM	31605
Surr: 2,4,6-Tribromophenol	47.4	15-112	D	%Rec	1	5/12/2017 4:09:09 PM	31605
Surr: Nitrobenzene-d5	57.6	27.2-90.7	D	%Rec	1	5/12/2017 4:09:09 PM	31605
Surr: 2-Fluorobiphenyl	53.2	23.3-85.6	D	%Rec	1	5/12/2017 4:09:09 PM	31605
Surr: 4-Terphenyl-d14	53.1	27.6-107	D	%Rec	1	5/12/2017 4:09:09 PM	31605
EPA METHOD 8260B: VOLATILES						Analyst: **rde**	

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Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Value above quantitation range
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Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD
Client Sample ID: 11103552-050217-SVE-10
Project: WT-1
Collection Date: 5/2/2017 10:25:00 AM
Lab ID: 1705150-002
Matrix: AQUEOUS
Received Date: 5/3/2017 9:10:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8260B: VOLATILES						Analyst: **rde**	
Benzene	1300	50		µg/L	50	5/9/2017 10:41:00 PM	A42648
Toluene	ND	2.0		µg/L	2	5/5/2017 11:06:00 AM	R42569
Ethylbenzene	94	2.0		µg/L	2	5/5/2017 11:06:00 AM	R42569
Methyl tert-butyl ether (MTBE)	ND	2.0		µg/L	2	5/5/2017 11:06:00 AM	R42569
1,2,4-Trimethylbenzene	170	2.0		µg/L	2	5/5/2017 11:06:00 AM	R42569
1,3,5-Trimethylbenzene	45	2.0		µg/L	2	5/5/2017 11:06:00 AM	R42569
1,2-Dichloroethane (EDC)	ND	2.0		µg/L	2	5/5/2017 11:06:00 AM	R42569
1,2-Dibromoethane (EDB)	ND	2.0		µg/L	2	5/5/2017 11:06:00 AM	R42569
Naphthalene	14	4.0		µg/L	2	5/5/2017 11:06:00 AM	R42569
1-Methylnaphthalene	13	8.0		µg/L	2	5/5/2017 11:06:00 AM	R42569
2-Methylnaphthalene	15	8.0		µg/L	2	5/5/2017 11:06:00 AM	R42569
Acetone	42	20		µg/L	2	5/5/2017 11:06:00 AM	R42569
Bromobenzene	ND	2.0		µg/L	2	5/5/2017 11:06:00 AM	R42569
Bromodichloromethane	ND	2.0		µg/L	2	5/5/2017 11:06:00 AM	R42569
Bromoform	ND	2.0		µg/L	2	5/5/2017 11:06:00 AM	R42569
Bromomethane	ND	6.0		µg/L	2	5/5/2017 11:06:00 AM	R42569
2-Butanone	ND	20		µg/L	2	5/5/2017 11:06:00 AM	R42569
Carbon disulfide	ND	20		µg/L	2	5/5/2017 11:06:00 AM	R42569
Carbon Tetrachloride	ND	2.0		µg/L	2	5/5/2017 11:06:00 AM	R42569
Chlorobenzene	ND	2.0		µg/L	2	5/5/2017 11:06:00 AM	R42569
Chloroethane	ND	4.0		µg/L	2	5/5/2017 11:06:00 AM	R42569
Chloroform	ND	2.0		µg/L	2	5/5/2017 11:06:00 AM	R42569
Chloromethane	ND	6.0		µg/L	2	5/5/2017 11:06:00 AM	R42569
2-Chlorotoluene	ND	2.0		µg/L	2	5/5/2017 11:06:00 AM	R42569
4-Chlorotoluene	ND	2.0		µg/L	2	5/5/2017 11:06:00 AM	R42569
cis-1,2-DCE	ND	2.0		µg/L	2	5/5/2017 11:06:00 AM	R42569
cis-1,3-Dichloropropene	ND	2.0		µg/L	2	5/5/2017 11:06:00 AM	R42569
1,2-Dibromo-3-chloropropane	ND	4.0		µg/L	2	5/5/2017 11:06:00 AM	R42569
Dibromochloromethane	ND	2.0		µg/L	2	5/5/2017 11:06:00 AM	R42569
Dibromomethane	ND	2.0		µg/L	2	5/5/2017 11:06:00 AM	R42569
1,2-Dichlorobenzene	ND	2.0		µg/L	2	5/5/2017 11:06:00 AM	R42569
1,3-Dichlorobenzene	ND	2.0		µg/L	2	5/5/2017 11:06:00 AM	R42569
1,4-Dichlorobenzene	ND	2.0		µg/L	2	5/5/2017 11:06:00 AM	R42569
Dichlorodifluoromethane	ND	2.0		µg/L	2	5/5/2017 11:06:00 AM	R42569
1,1-Dichloroethane	ND	2.0		µg/L	2	5/5/2017 11:06:00 AM	R42569
1,1-Dichloroethene	ND	2.0		µg/L	2	5/5/2017 11:06:00 AM	R42569
1,2-Dichloropropane	ND	2.0		µg/L	2	5/5/2017 11:06:00 AM	R42569
1,3-Dichloropropane	ND	2.0		µg/L	2	5/5/2017 11:06:00 AM	R42569
2,2-Dichloropropane	ND	4.0		µg/L	2	5/5/2017 11:06:00 AM	R42569

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Qualifiers:

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D	Sample Diluted Due to Matrix	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
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Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD
Client Sample ID: 11103552-050217-SVE-10
Project: WT-1
Collection Date: 5/2/2017 10:25:00 AM
Lab ID: 1705150-002
Matrix: AQUEOUS
Received Date: 5/3/2017 9:10:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8260B: VOLATILES						Analyst: **rde**	
1,1-Dichloropropene	ND	2.0		µg/L	2	5/5/2017 11:06:00 AM	R42569
Hexachlorobutadiene	ND	2.0		µg/L	2	5/5/2017 11:06:00 AM	R42569
2-Hexanone	ND	20		µg/L	2	5/5/2017 11:06:00 AM	R42569
Isopropylbenzene	15	2.0		µg/L	2	5/5/2017 11:06:00 AM	R42569
4-Isopropyltoluene	11	2.0		µg/L	2	5/5/2017 11:06:00 AM	R42569
4-Methyl-2-pentanone	28	20		µg/L	2	5/5/2017 11:06:00 AM	R42569
Methylene Chloride	ND	6.0		µg/L	2	5/5/2017 11:06:00 AM	R42569
n-Butylbenzene	6.7	6.0		µg/L	2	5/5/2017 11:06:00 AM	R42569
n-Propylbenzene	15	2.0		µg/L	2	5/5/2017 11:06:00 AM	R42569
sec-Butylbenzene	7.4	2.0		µg/L	2	5/5/2017 11:06:00 AM	R42569
Styrene	ND	2.0		µg/L	2	5/5/2017 11:06:00 AM	R42569
tert-Butylbenzene	ND	2.0		µg/L	2	5/5/2017 11:06:00 AM	R42569
1,1,1,2-Tetrachloroethane	ND	2.0		µg/L	2	5/5/2017 11:06:00 AM	R42569
1,1,2,2-Tetrachloroethane	ND	4.0		µg/L	2	5/5/2017 11:06:00 AM	R42569
Tetrachloroethene (PCE)	ND	2.0		µg/L	2	5/5/2017 11:06:00 AM	R42569
trans-1,2-DCE	ND	2.0		µg/L	2	5/5/2017 11:06:00 AM	R42569
trans-1,3-Dichloropropene	ND	2.0		µg/L	2	5/5/2017 11:06:00 AM	R42569
1,2,3-Trichlorobenzene	ND	2.0		µg/L	2	5/5/2017 11:06:00 AM	R42569
1,2,4-Trichlorobenzene	ND	2.0		µg/L	2	5/5/2017 11:06:00 AM	R42569
1,1,1-Trichloroethane	ND	2.0		µg/L	2	5/5/2017 11:06:00 AM	R42569
1,1,2-Trichloroethane	ND	2.0		µg/L	2	5/5/2017 11:06:00 AM	R42569
Trichloroethene (TCE)	ND	2.0		µg/L	2	5/5/2017 11:06:00 AM	R42569
Trichlorofluoromethane	ND	2.0		µg/L	2	5/5/2017 11:06:00 AM	R42569
1,2,3-Trichloropropane	ND	4.0		µg/L	2	5/5/2017 11:06:00 AM	R42569
Vinyl chloride	ND	2.0		µg/L	2	5/5/2017 11:06:00 AM	R42569
Xylenes, Total	360	3.0		µg/L	2	5/5/2017 11:06:00 AM	R42569
Surr: 1,2-Dichloroethane-d4	79.3	70-130		%Rec	2	5/5/2017 11:06:00 AM	R42569
Surr: 4-Bromofluorobenzene	84.0	70-130		%Rec	2	5/5/2017 11:06:00 AM	R42569
Surr: Dibromofluoromethane	94.2	70-130		%Rec	2	5/5/2017 11:06:00 AM	R42569
Surr: Toluene-d8	98.8	70-130		%Rec	2	5/5/2017 11:06:00 AM	R42569

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

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QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: **1705150**

16-May-17

Client: GHD

Project: WT-1

Sample ID **100ng lcs**	SampType: **LCS**	TestCode: **EPA Method 8260B: VOLATILES**
Client ID: **LCSW**	Batch ID: **R42562**	RunNo: **42562**
Prep Date:	Analysis Date: **5/4/2017**	SeqNo: **1338417** Units: **%Rec**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: 1,2-Dichloroethane-d4	8.4		10.00		84.0	70	130			
Surr: 4-Bromofluorobenzene	10		10.00		101	70	130			
Surr: Dibromofluoromethane	9.7		10.00		97.4	70	130			
Surr: Toluene-d8	10		10.00		102	70	130			

Sample ID **rb**	SampType: **MBLK**	TestCode: **EPA Method 8260B: VOLATILES**
Client ID: **PBW**	Batch ID: **R42562**	RunNo: **42562**
Prep Date:	Analysis Date: **5/4/2017**	SeqNo: **1338418** Units: **%Rec**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: 1,2-Dichloroethane-d4	8.0		10.00		80.1	70	130			
Surr: 4-Bromofluorobenzene	10		10.00		100	70	130			
Surr: Dibromofluoromethane	9.9		10.00		98.6	70	130			
Surr: Toluene-d8	10		10.00		103	70	130			

Sample ID **100ng lcs**	SampType: **LCS**	TestCode: **EPA Method 8260B: VOLATILES**
Client ID: **LCSW**	Batch ID: **R42569**	RunNo: **42569**
Prep Date:	Analysis Date: **5/5/2017**	SeqNo: **1338892** Units: **µg/L**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	19	1.0	20.00	0	94.9	70	130			
Toluene	20	1.0	20.00	0	102	70	130			
Chlorobenzene	21	1.0	20.00	0	107	70	130			
1,1-Dichloroethene	19	1.0	20.00	0	93.1	70	130			
Trichloroethene (TCE)	19	1.0	20.00	0	95.5	70	130			
Surr: 1,2-Dichloroethane-d4	8.0		10.00		79.7	70	130			
Surr: 4-Bromofluorobenzene	10		10.00		102	70	130			
Surr: Dibromofluoromethane	9.7		10.00		96.6	70	130			
Surr: Toluene-d8	10		10.00		105	70	130			

Sample ID **rb**	SampType: **MBLK**	TestCode: **EPA Method 8260B: VOLATILES**
Client ID: **PBW**	Batch ID: **R42569**	RunNo: **42569**
Prep Date:	Analysis Date: **5/5/2017**	SeqNo: **1340085** Units: **µg/L**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	ND	1.0								
Toluene	ND	1.0								
Ethylbenzene	ND	1.0								
Methyl tert-butyl ether (MTBE)	ND	1.0								
1,2,4-Trimethylbenzene	ND	1.0								

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
R	RPD outside accepted recovery limits	RL	Reporting Detection Limit
S	% Recovery outside of range due to dilution or matrix	W	Sample container temperature is out of limit as specified

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: **1705150**

16-May-17

Client: GHD

Project: WT-1

Sample ID **rb**	SampType: **MBLK**	TestCode: **EPA Method 8260B: VOLATILES**
Client ID: **PBW**	Batch ID: **R42569**	RunNo: **42569**
Prep Date:	Analysis Date: **5/5/2017**	SeqNo: **1340085** Units: **µg/L**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
1,3,5-Trimethylbenzene	ND	1.0								
1,2-Dichloroethane (EDC)	ND	1.0								
1,2-Dibromoethane (EDB)	ND	1.0								
Naphthalene	ND	2.0								
1-Methylnaphthalene	ND	4.0								
2-Methylnaphthalene	ND	4.0								
Acetone	ND	10								
Bromobenzene	ND	1.0								
Bromodichloromethane	ND	1.0								
Bromoform	ND	1.0								
Bromomethane	ND	3.0								
2-Butanone	ND	10								
Carbon disulfide	ND	10								
Carbon Tetrachloride	ND	1.0								
Chlorobenzene	ND	1.0								
Chloroethane	ND	2.0								
Chloroform	ND	1.0								
Chloromethane	ND	3.0								
2-Chlorotoluene	ND	1.0								
4-Chlorotoluene	ND	1.0								
cis-1,2-DCE	ND	1.0								
cis-1,3-Dichloropropene	ND	1.0								
1,2-Dibromo-3-chloropropane	ND	2.0								
Dibromochloromethane	ND	1.0								
Dibromomethane	ND	1.0								
1,2-Dichlorobenzene	ND	1.0								
1,3-Dichlorobenzene	ND	1.0								
1,4-Dichlorobenzene	ND	1.0								
Dichlorodifluoromethane	ND	1.0								
1,1-Dichloroethane	ND	1.0								
1,1-Dichloroethene	ND	1.0								
1,2-Dichloropropane	ND	1.0								
1,3-Dichloropropane	ND	1.0								
2,2-Dichloropropane	ND	2.0								
1,1-Dichloropropene	ND	1.0								
Hexachlorobutadiene	ND	1.0								
2-Hexanone	ND	10								
Isopropylbenzene	ND	1.0								
4-Isopropyltoluene	ND	1.0								

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
R	RPD outside accepted recovery limits	RL	Reporting Detection Limit
S	% Recovery outside of range due to dilution or matrix	W	Sample container temperature is out of limit as specified

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: **1705150**

16-May-17

Client: GHD

Project: WT-1

Sample ID **rb**	SampType: **MBLK**	TestCode: **EPA Method 8260B: VOLATILES**
Client ID: **PBW**	Batch ID: **R42569**	RunNo: **42569**
Prep Date:	Analysis Date: **5/5/2017**	SeqNo: **1340085** Units: **µg/L**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
4-Methyl-2-pentanone	ND	10								
Methylene Chloride	ND	3.0								
n-Butylbenzene	ND	3.0								
n-Propylbenzene	ND	1.0								
sec-Butylbenzene	ND	1.0								
Styrene	ND	1.0								
tert-Butylbenzene	ND	1.0								
1,1,1,2-Tetrachloroethane	ND	1.0								
1,1,2,2-Tetrachloroethane	ND	2.0								
Tetrachloroethene (PCE)	ND	1.0								
trans-1,2-DCE	ND	1.0								
trans-1,3-Dichloropropene	ND	1.0								
1,2,3-Trichlorobenzene	ND	1.0								
1,2,4-Trichlorobenzene	ND	1.0								
1,1,1-Trichloroethane	ND	1.0								
1,1,2-Trichloroethane	ND	1.0								
Trichloroethene (TCE)	ND	1.0								
Trichlorofluoromethane	ND	1.0								
1,2,3-Trichloropropane	ND	2.0								
Vinyl chloride	ND	1.0								
Xylenes, Total	ND	1.5								
Surr: 1,2-Dichloroethane-d4	7.9		10.00		79.4	70	130			
Surr: 4-Bromofluorobenzene	10		10.00		100	70	130			
Surr: Dibromofluoromethane	9.6		10.00		96.2	70	130			
Surr: Toluene-d8	10		10.00		102	70	130			

Sample ID **RB3**	SampType: **MBLK**	TestCode: **EPA Method 8260B: VOLATILES**
Client ID: **PBW**	Batch ID: **A42648**	RunNo: **42648**
Prep Date:	Analysis Date: **5/9/2017**	SeqNo: **1342456** Units: **µg/L**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	ND	1.0								
Surr: 1,2-Dichloroethane-d4	8.5		10.00		84.9	70	130			
Surr: 4-Bromofluorobenzene	9.9		10.00		99.0	70	130			
Surr: Dibromofluoromethane	10		10.00		102	70	130			
Surr: Toluene-d8	10		10.00		99.8	70	130			

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
R	RPD outside accepted recovery limits	RL	Reporting Detection Limit
S	% Recovery outside of range due to dilution or matrix	W	Sample container temperature is out of limit as specified

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: **1705150**

16-May-17

Client: GHD

Project: WT-1

Sample ID **100NG LCS 3**	SampType: **LCS**	TestCode: **EPA Method 8260B: VOLATILES**
Client ID: **LCSW**	Batch ID: **A42648**	RunNo: **42648**
Prep Date:	Analysis Date: **5/9/2017**	SeqNo: **1342462** Units: **µg/L**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	21	1.0	20.00	0	104	70	130			
Surr: 1,2-Dichloroethane-d4	8.5		10.00		84.9	70	130			
Surr: 4-Bromofluorobenzene	10		10.00		99.7	70	130			
Surr: Dibromofluoromethane	10		10.00		105	70	130			
Surr: Toluene-d8	10		10.00		100	70	130			

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
R	RPD outside accepted recovery limits	RL	Reporting Detection Limit
S	% Recovery outside of range due to dilution or matrix	W	Sample container temperature is out of limit as specified

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: **1705150**

16-May-17

Client: GHD

Project: WT-1

Sample ID **lcs-31605**	SampType: **LCS**	TestCode: **EPA Method 8270C: Semivolatiles**
Client ID: **LCSW**	Batch ID: **31605**	RunNo: **42757**
Prep Date: **5/8/2017**	Analysis Date: **5/12/2017**	SeqNo: **1345211** Units: **µg/L**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Acenaphthene	77	10	100.0	0	77.5	42.9	100			
4-Chloro-3-methylphenol	160	10	200.0	0	81.5	36.2	110			
2-Chlorophenol	150	10	200.0	0	76.4	33.4	97.8			
1,4-Dichlorobenzene	64	10	100.0	0	64.5	32.8	79.3			
2,4-Dinitrotoluene	67	10	100.0	0	66.9	34.9	107			
N-Nitrosodi-n-propylamine	78	10	100.0	0	77.7	30.7	111			
4-Nitrophenol	120	10	200.0	0	57.7	15	91.9			
Pentachlorophenol	120	20	200.0	0	59.6	33.3	93.5			
Phenol	110	10	200.0	0	57.4	20.9	86.4			
Pyrene	72	10	100.0	0	72.4	45.6	111			
1,2,4-Trichlorobenzene	69	10	100.0	0	69.0	38.7	88.2			
Surr: 2-Fluorophenol	130		200.0		64.4	15	98.1			
Surr: Phenol-d5	110		200.0		55.0	15	80.7			
Surr: 2,4,6-Tribromophenol	150		200.0		74.5	15	112			
Surr: Nitrobenzene-d5	76		100.0		76.0	27.2	90.7			
Surr: 2-Fluorobiphenyl	76		100.0		76.2	23.3	85.6			
Surr: 4-Terphenyl-d14	66		100.0		65.5	27.6	107			

Sample ID **mb-31605**	SampType: **MBLK**	TestCode: **EPA Method 8270C: Semivolatiles**
Client ID: **PBW**	Batch ID: **31605**	RunNo: **42757**
Prep Date: **5/8/2017**	Analysis Date: **5/12/2017**	SeqNo: **1345212** Units: **µg/L**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Acenaphthene	ND	10								
Acenaphthylene	ND	10								
Aniline	ND	10								
Anthracene	ND	10								
Azobenzene	ND	10								
Benz(a)anthracene	ND	10								
Benzo(a)pyrene	ND	10								
Benzo(b)fluoranthene	ND	10								
Benzo(g,h,i)perylene	ND	10								
Benzo(k)fluoranthene	ND	10								
Benzoic acid	ND	20								
Benzyl alcohol	ND	10								
Bis(2-chloroethoxy)methane	ND	10								
Bis(2-chloroethyl)ether	ND	10								
Bis(2-chloroisopropyl)ether	ND	10								
Bis(2-ethylhexyl)phthalate	ND	10								

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
R	RPD outside accepted recovery limits	RL	Reporting Detection Limit
S	% Recovery outside of range due to dilution or matrix	W	Sample container temperature is out of limit as specified

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: **1705150**

16-May-17

Client: GHD

Project: WT-1

Sample ID **mb-31605**	SampType: **MBLK**	TestCode: **EPA Method 8270C: Semivolatiles**
Client ID: **PBW**	Batch ID: **31605**	RunNo: **42757**
Prep Date: **5/8/2017**	Analysis Date: **5/12/2017**	SeqNo: **1345212** Units: **µg/L**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
4-Bromophenyl phenyl ether	ND	10								
Butyl benzyl phthalate	ND	10								
Carbazole	ND	10								
4-Chloro-3-methylphenol	ND	10								
4-Chloroaniline	ND	10								
2-Chloronaphthalene	ND	10								
2-Chlorophenol	ND	10								
4-Chlorophenyl phenyl ether	ND	10								
Chrysene	ND	10								
Di-n-butyl phthalate	ND	10								
Di-n-octyl phthalate	ND	10								
Dibenz(a,h)anthracene	ND	10								
Dibenzofuran	ND	10								
1,2-Dichlorobenzene	ND	10								
1,3-Dichlorobenzene	ND	10								
1,4-Dichlorobenzene	ND	10								
3,3´-Dichlorobenzidine	ND	10								
Diethyl phthalate	ND	10								
Dimethyl phthalate	ND	10								
2,4-Dichlorophenol	ND	20								
2,4-Dimethylphenol	ND	10								
4,6-Dinitro-2-methylphenol	ND	20								
2,4-Dinitrophenol	ND	20								
2,4-Dinitrotoluene	ND	10								
2,6-Dinitrotoluene	ND	10								
Fluoranthene	ND	10								
Fluorene	ND	10								
Hexachlorobenzene	ND	10								
Hexachlorobutadiene	ND	10								
Hexachlorocyclopentadiene	ND	10								
Hexachloroethane	ND	10								
Indeno(1,2,3-cd)pyrene	ND	10								
Isophorone	ND	10								
1-Methylnaphthalene	ND	10								
2-Methylnaphthalene	ND	10								
2-Methylphenol	ND	10								
3+4-Methylphenol	ND	10								
N-Nitrosodi-n-propylamine	ND	10								
N-Nitrosodimethylamine	ND	10								

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
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QC SUMMARY REPORT
Hall Environmental Analysis Laboratory, Inc.

WO#: **1705150**
16-May-17

Client: GHD
Project: WT-1

Sample ID **mb-31605**	SampType: **MBLK**	TestCode: **EPA Method 8270C: Semivolatiles**
Client ID: **PBW**	Batch ID: **31605**	RunNo: **42757**
Prep Date: **5/8/2017**	Analysis Date: **5/12/2017**	SeqNo: **1345212** Units: **µg/L**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
N-Nitrosodiphenylamine	ND	10								
Naphthalene	ND	10								
2-Nitroaniline	ND	10								
3-Nitroaniline	ND	10								
4-Nitroaniline	ND	10								
Nitrobenzene	ND	10								
2-Nitrophenol	ND	10								
4-Nitrophenol	ND	10								
Pentachlorophenol	ND	20								
Phenanthrene	ND	10								
Phenol	ND	10								
Pyrene	ND	10								
Pyridine	ND	10								
1,2,4-Trichlorobenzene	ND	10								
2,4,5-Trichlorophenol	ND	10								
2,4,6-Trichlorophenol	ND	10								
Surr: 2-Fluorophenol	110		200.0		56.5	15	98.1			
Surr: Phenol-d5	97		200.0		48.6	15	80.7			
Surr: 2,4,6-Tribromophenol	120		200.0		61.1	15	112			
Surr: Nitrobenzene-d5	61		100.0		61.4	27.2	90.7			
Surr: 2-Fluorobiphenyl	59		100.0		58.9	23.3	85.6			
Surr: 4-Terphenyl-d14	53		100.0		53.4	27.6	107			

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
R	RPD outside accepted recovery limits	RL	Reporting Detection Limit
S	% Recovery outside of range due to dilution or matrix	W	Sample container temperature is out of limit as specified

HALL ENVIRONMENTAL ANALYSIS LABORATORY

Hall Environmental Analysis Laboratory
4901 Hawkins NE
Albuquerque, NM 87109
TEL: 505-345-3975 FAX: 505-345-4107
Website: www.hallenvironmental.com

Sample Log-In Check List

Client Name: GHD | Work Order Number: 1705150 | RcptNo: 1

Received By: **Sophia Campuzano** 5/3/2017 9:10:00 AM

Completed By: **Andy Jansson** 5/3/2017 9:56:40 AM

Reviewed By: AG 05/03/2017

Chain of Custody

1. Custody seals intact on sample bottles?	Yes ☐	No ☐	Not Present ☑
2. Is Chain of Custody complete?	Yes ☑	No ☐	Not Present ☐
3. How was the sample delivered?	Courier		

Log In

4. Was an attempt made to cool the samples?	Yes ☑	No ☐	NA ☐
5. Were all samples received at a temperature of >0° C to 6.0°C	Yes ☑	No ☐	NA ☐
6. Sample(s) in proper container(s)?	Yes ☑	No ☐	
7. Sufficient sample volume for indicated test(s)?	Yes ☑	No ☐	
8. Are samples (except VOA and ONG) properly preserved?	Yes ☑	No ☐	
9. Was preservative added to bottles?	Yes ☐	No ☑	NA ☐
10. VOA vials have zero headspace?	Yes ☐	No ☐	No VOA Vials ☑
11. Were any sample containers received broken?	Yes ☐	No ☑	
12. Does paperwork match bottle labels? (Note discrepancies on chain of custody)	Yes ☑	No ☐	# of preserved bottles checked for pH: _____ (<2 or >12 unless noted)
13. Are matrices correctly identified on Chain of Custody?	Yes ☑	No ☐	Adjusted?
14. Is it clear what analyses were requested?	Yes ☑	No ☐	
15. Were all holding times able to be met? (If no, notify customer for authorization.)	Yes ☑	No ☐	Checked by:

Special Handling (if applicable)

16. Was client notified of all discrepancies with this order? Yes ☐ No ☐ NA ☑

Person Notified: _____ Date _____

By Whom: _____ Via: ☐ eMail ☐ Phone ☐ Fax ☐ In Person

Regarding: _____

Client Instructions: _____

17. Additional remarks:

18. **Cooler Information**

Cooler No	Temp °C	Condition	Seal Intact	Seal No	Seal Date	Signed By
1	1.7	Good	Yes			

Chain-of-Custody Record

Client: GHD Services, Inc.

Mailing Address: 6121 Indian School Rd. #200 NE Albuquerque, NM 87110

Phone #: Bernard.Bockisch@ghd.com

email or Fax#: 505 884 0719

QA/QC Package:
☐ Standard ☐ Level 4 (Full Validation)

Accreditation
☐ NELAP ☐ Other _____

☐ EDD (Type) _____

Turn-Around Time:
☒ Standard ☐ Rush _____

Project Name: WT-1

Project #: 11103552

Project Manager: Bernard Bockisch

Sampler: Michael Gant

On Ice: ☒ Yes ☐ No

Sample Temperature: 1.7

HALL ENVIRONMENTAL ANALYSIS LABORATORY

www.hallenvironmental.com

4901 Hawkins NE - Albuquerque, NM 87109

Tel. 505-345-3975 Fax 505-345-4107

Date	Time	Matrix	Sample Request ID	Container Type and #	Preservative Type	HEAL No. 705150	BTEX + MTBE + TMB's (8021)	BTEX + MTBE + TPH (Gas only)	TPH 8015B (GRO / DRO / MRO)	TPH (Method 418.1)	EDB (Method 504.1)	PAH's (8310 or 8270 SIMS)	RCRA 8 Metals	Anions ($F, Cl, NO_3, NO_2, PO_4, SO_4$)	8081 Pesticides / 8082 PCB's	8260B (VOA)	8270 (Semi-VOA)					Air Bubbles (Y or N)
5/2/17	0915	AQ	GW-11103552-050217-SVE-1	Various	ICE/HCl	-001										X	X					
5/2/17	1025	AQ	GW-11103552-050217-SVE-10	Various	ICE/HCl	-002										X	X					

Date:	Time:	Relinquished by:	Received by:	Date	Time
5/2/17	12:53			5/2/17	1255
5/2/17	1900		Sophi Cooper	05/03/17	0910

Remarks:

If necessary, samples submitted to Hall Environmental may be subcontracted to other accredited laboratories. This serves as notice of this possibility. Any sub-contracted data will be clearly notated on the analytical report.

Hall Environmental Analysis Laboratory
4901 Hawkins NE
Albuquerque, NM 87109
TEL: 505-345-3975 FAX: 505-345-4107
Website: www.hallenvironmental.com

November 03, 2017

Bernie Bockisch

GHD
6121 Indian School Road, NE #200
Albuquerque, NM 87110
TEL: (505) 884-0672
FAX

RE: WT 1 OrderNo.: 1710635

Dear Bernie Bockisch:

Hall Environmental Analysis Laboratory received 3 sample(s) on 10/11/2017 for the analyses presented in the following report.

These were analyzed according to EPA procedures or equivalent. To access our accredited tests please go to www.hallenvironmental.com or the state specific web sites. In order to properly interpret your results, it is imperative that you review this report in its entirety. See the sample checklist and/or the Chain of Custody for information regarding the sample receipt temperature and preservation. Data qualifiers or a narrative will be provided if the sample analysis or analytical quality control parameters require a flag. When necessary, data qualifiers are provided on both the sample analysis report and the QC summary report, both sections should be reviewed. All samples are reported, as received, unless otherwise indicated. Lab measurement of analytes considered field parameters that require analysis within 15 minutes of sampling such as pH and residual chlorine are qualified as being analyzed outside of the recommended holding time.

Please don't hesitate to contact HEAL for any additional information or clarifications.

ADHS Cert #AZ0682 -- NMED-DWB Cert #NM9425 -- NMED-Micro Cert #NM0190

Sincerely,

Andy Freeman
Laboratory Manager
4901 Hawkins NE
Albuquerque, NM 87109

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD
Project: WT 1

Lab Order: 1710635

Lab ID: 1710635-001
Collection Date: 10/9/2017 2:30:00 PM
Client Sample ID: GW-11103552-100917-SP-MW-10
Matrix: AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch ID
EPA METHOD 300.0: ANIONS						Analyst: **MRA**	
Sulfate	640	50	*	mg/L	100	10/19/2017 10:12:34 PM	A46536
EPA METHOD 200.7: DISSOLVED METALS						Analyst: **pmf**	
Iron	3.0	0.20	*	mg/L	10	10/27/2017 1:19:07 PM	A46735
EPA METHOD 200.7: METALS						Analyst: **pmf**	
Iron	31	1.0	*	mg/L	50	10/25/2017 5:39:29 PM	34527
EPA METHOD 8260B: VOLATILES						Analyst: **DJF**	
Benzene	5200	200		µg/L	200	10/12/2017 11:05:06 AM	W4631
Toluene	ND	20		µg/L	20	10/12/2017 11:33:50 AM	W4631
Ethylbenzene	330	20		µg/L	20	10/12/2017 11:33:50 AM	W4631
Methyl tert-butyl ether (MTBE)	ND	20		µg/L	20	10/12/2017 11:33:50 AM	W4631
1,2,4-Trimethylbenzene	320	20		µg/L	20	10/12/2017 11:33:50 AM	W4631
1,3,5-Trimethylbenzene	190	20		µg/L	20	10/12/2017 11:33:50 AM	W4631
1,2-Dichloroethane (EDC)	ND	20		µg/L	20	10/12/2017 11:33:50 AM	W4631
1,2-Dibromoethane (EDB)	ND	20		µg/L	20	10/12/2017 11:33:50 AM	W4631
Naphthalene	ND	40		µg/L	20	10/12/2017 11:33:50 AM	W4631
1-Methylnaphthalene	ND	80		µg/L	20	10/12/2017 11:33:50 AM	W4631
2-Methylnaphthalene	ND	80		µg/L	20	10/12/2017 11:33:50 AM	W4631
Acetone	ND	200		µg/L	20	10/12/2017 11:33:50 AM	W4631
Bromobenzene	ND	20		µg/L	20	10/12/2017 11:33:50 AM	W4631
Bromodichloromethane	ND	20		µg/L	20	10/12/2017 11:33:50 AM	W4631
Bromoform	ND	20		µg/L	20	10/12/2017 11:33:50 AM	W4631
Bromomethane	ND	60		µg/L	20	10/12/2017 11:33:50 AM	W4631
2-Butanone	ND	200		µg/L	20	10/12/2017 11:33:50 AM	W4631
Carbon disulfide	ND	200		µg/L	20	10/12/2017 11:33:50 AM	W4631
Carbon Tetrachloride	ND	20		µg/L	20	10/12/2017 11:33:50 AM	W4631
Chlorobenzene	ND	20		µg/L	20	10/12/2017 11:33:50 AM	W4631
Chloroethane	ND	40		µg/L	20	10/12/2017 11:33:50 AM	W4631
Chloroform	ND	20		µg/L	20	10/12/2017 11:33:50 AM	W4631
Chloromethane	ND	60		µg/L	20	10/12/2017 11:33:50 AM	W4631
2-Chlorotoluene	ND	20		µg/L	20	10/12/2017 11:33:50 AM	W4631
4-Chlorotoluene	ND	20		µg/L	20	10/12/2017 11:33:50 AM	W4631
cis-1,2-DCE	ND	20		µg/L	20	10/12/2017 11:33:50 AM	W4631
cis-1,3-Dichloropropene	ND	20		µg/L	20	10/12/2017 11:33:50 AM	W4631
1,2-Dibromo-3-chloropropane	ND	40		µg/L	20	10/12/2017 11:33:50 AM	W4631
Dibromochloromethane	ND	20		µg/L	20	10/12/2017 11:33:50 AM	W4631
Dibromomethane	ND	20		µg/L	20	10/12/2017 11:33:50 AM	W4631
1,2-Dichlorobenzene	ND	20		µg/L	20	10/12/2017 11:33:50 AM	W4631

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Detection Limit
S	% Recovery outside of range due to dilution or matrix	W	Sample container temperature is out of limit as specified

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD
Project: WT 1

Lab Order: 1710635

EPA METHOD 8260B: VOLATILES

Analyst: **DJF**

1,3-Dichlorobenzene	ND	20	µg/L	20	10/12/2017 11:33:50 AM W4631
1,4-Dichlorobenzene	ND	20	µg/L	20	10/12/2017 11:33:50 AM W4631
Dichlorodifluoromethane	ND	20	µg/L	20	10/12/2017 11:33:50 AM W4631
1,1-Dichloroethane	ND	20	µg/L	20	10/12/2017 11:33:50 AM W4631
1,1-Dichloroethene	ND	20	µg/L	20	10/12/2017 11:33:50 AM W4631
1,2-Dichloropropane	ND	20	µg/L	20	10/12/2017 11:33:50 AM W4631
1,3-Dichloropropane	ND	20	µg/L	20	10/12/2017 11:33:50 AM W4631
2,2-Dichloropropane	ND	40	µg/L	20	10/12/2017 11:33:50 AM W4631
1,1-Dichloropropene	ND	20	µg/L	20	10/12/2017 11:33:50 AM W4631
Hexachlorobutadiene	ND	20	µg/L	20	10/12/2017 11:33:50 AM W4631
2-Hexanone	ND	200	µg/L	20	10/12/2017 11:33:50 AM W4631
Isopropylbenzene	30	20	µg/L	20	10/12/2017 11:33:50 AM W4631
4-Isopropyltoluene	ND	20	µg/L	20	10/12/2017 11:33:50 AM W4631
4-Methyl-2-pentanone	ND	200	µg/L	20	10/12/2017 11:33:50 AM W4631
Methylene Chloride	ND	60	µg/L	20	10/12/2017 11:33:50 AM W4631
n-Butylbenzene	ND	60	µg/L	20	10/12/2017 11:33:50 AM W4631
n-Propylbenzene	38	20	µg/L	20	10/12/2017 11:33:50 AM W4631
sec-Butylbenzene	ND	20	µg/L	20	10/12/2017 11:33:50 AM W4631
Styrene	ND	20	µg/L	20	10/12/2017 11:33:50 AM W4631
tert-Butylbenzene	ND	20	µg/L	20	10/12/2017 11:33:50 AM W4631
1,1,1,2-Tetrachloroethane	ND	20	µg/L	20	10/12/2017 11:33:50 AM W4631
1,1,2,2-Tetrachloroethane	ND	40	µg/L	20	10/12/2017 11:33:50 AM W4631
Tetrachloroethene (PCE)	ND	20	µg/L	20	10/12/2017 11:33:50 AM W4631
trans-1,2-DCE	ND	20	µg/L	20	10/12/2017 11:33:50 AM W4631
trans-1,3-Dichloropropene	ND	20	µg/L	20	10/12/2017 11:33:50 AM W4631
1,2,3-Trichlorobenzene	ND	20	µg/L	20	10/12/2017 11:33:50 AM W4631
1,2,4-Trichlorobenzene	ND	20	µg/L	20	10/12/2017 11:33:50 AM W4631
1,1,1-Trichloroethane	ND	20	µg/L	20	10/12/2017 11:33:50 AM W4631
1,1,2-Trichloroethane	ND	20	µg/L	20	10/12/2017 11:33:50 AM W4631
Trichloroethene (TCE)	ND	20	µg/L	20	10/12/2017 11:33:50 AM W4631
Trichlorofluoromethane	ND	20	µg/L	20	10/12/2017 11:33:50 AM W4631
1,2,3-Trichloropropane	ND	40	µg/L	20	10/12/2017 11:33:50 AM W4631
Vinyl chloride	ND	20	µg/L	20	10/12/2017 11:33:50 AM W4631
Xylenes, Total	2100	30	µg/L	20	10/12/2017 11:33:50 AM W4631
Surr: 1,2-Dichloroethane-d4	92.1	70-130	%Rec	20	10/12/2017 11:33:50 AM W4631
Surr: 4-Bromofluorobenzene	122	70-130	%Rec	20	10/12/2017 11:33:50 AM W4631
Surr: Dibromofluoromethane	96.6	70-130	%Rec	20	10/12/2017 11:33:50 AM W4631
Surr: Toluene-d8	102	70-130	%Rec	20	10/12/2017 11:33:50 AM W4631

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Detection Limit
S	% Recovery outside of range due to dilution or matrix	W	Sample container temperature is out of limit as specified

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD
Project: WT 1

Lab Order: 1710635

Lab ID: 1710635-002
Collection Date: 10/9/2017 3:35:00 PM
Client Sample ID: GW-11103552-100917-SP-SVE-8
Matrix: AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch ID
EPA METHOD 300.0: ANIONS						Analyst: **MRA**	
Sulfate	1200	50	*	mg/L	100	10/19/2017 10:37:23 PM	A46536
EPA METHOD 200.7: DISSOLVED METALS						Analyst: **pmf**	
Iron	ND	0.020		mg/L	1	10/24/2017 5:33:55 PM	B46621
EPA METHOD 200.7: METALS						Analyst: **pmf**	
Iron	0.56	0.020	*	mg/L	1	10/24/2017 6:50:41 PM	34527
EPA METHOD 8260B: VOLATILES						Analyst: **DJF**	
Benzene	ND	1.0		µg/L	1	10/12/2017 1:01:14 PM	W4631
Toluene	ND	1.0		µg/L	1	10/12/2017 1:01:14 PM	W4631
Ethylbenzene	ND	1.0		µg/L	1	10/12/2017 1:01:14 PM	W4631
Methyl tert-butyl ether (MTBE)	ND	1.0		µg/L	1	10/12/2017 1:01:14 PM	W4631
1,2,4-Trimethylbenzene	ND	1.0		µg/L	1	10/12/2017 1:01:14 PM	W4631
1,3,5-Trimethylbenzene	ND	1.0		µg/L	1	10/12/2017 1:01:14 PM	W4631
1,2-Dichloroethane (EDC)	ND	1.0		µg/L	1	10/12/2017 1:01:14 PM	W4631
1,2-Dibromoethane (EDB)	ND	1.0		µg/L	1	10/12/2017 1:01:14 PM	W4631
Naphthalene	ND	2.0		µg/L	1	10/12/2017 1:01:14 PM	W4631
1-Methylnaphthalene	ND	4.0		µg/L	1	10/12/2017 1:01:14 PM	W4631
2-Methylnaphthalene	ND	4.0		µg/L	1	10/12/2017 1:01:14 PM	W4631
Acetone	ND	10		µg/L	1	10/12/2017 1:01:14 PM	W4631
Bromobenzene	ND	1.0		µg/L	1	10/12/2017 1:01:14 PM	W4631
Bromodichloromethane	ND	1.0		µg/L	1	10/12/2017 1:01:14 PM	W4631
Bromoform	ND	1.0		µg/L	1	10/12/2017 1:01:14 PM	W4631
Bromomethane	ND	3.0		µg/L	1	10/12/2017 1:01:14 PM	W4631
2-Butanone	ND	10		µg/L	1	10/12/2017 1:01:14 PM	W4631
Carbon disulfide	ND	10		µg/L	1	10/12/2017 1:01:14 PM	W4631
Carbon Tetrachloride	ND	1.0		µg/L	1	10/12/2017 1:01:14 PM	W4631
Chlorobenzene	ND	1.0		µg/L	1	10/12/2017 1:01:14 PM	W4631
Chloroethane	ND	2.0		µg/L	1	10/12/2017 1:01:14 PM	W4631
Chloroform	ND	1.0		µg/L	1	10/12/2017 1:01:14 PM	W4631
Chloromethane	ND	3.0		µg/L	1	10/12/2017 1:01:14 PM	W4631
2-Chlorotoluene	ND	1.0		µg/L	1	10/12/2017 1:01:14 PM	W4631
4-Chlorotoluene	ND	1.0		µg/L	1	10/12/2017 1:01:14 PM	W4631
cis-1,2-DCE	ND	1.0		µg/L	1	10/12/2017 1:01:14 PM	W4631
cis-1,3-Dichloropropene	ND	1.0		µg/L	1	10/12/2017 1:01:14 PM	W4631
1,2-Dibromo-3-chloropropane	ND	2.0		µg/L	1	10/12/2017 1:01:14 PM	W4631
Dibromochloromethane	ND	1.0		µg/L	1	10/12/2017 1:01:14 PM	W4631
Dibromomethane	ND	1.0		µg/L	1	10/12/2017 1:01:14 PM	W4631
1,2-Dichlorobenzene	ND	1.0		µg/L	1	10/12/2017 1:01:14 PM	W4631

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Detection Limit
S	% Recovery outside of range due to dilution or matrix	W	Sample container temperature is out of limit as specified

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD
Project: WT 1

Lab Order: 1710635

EPA METHOD 8260B: VOLATILES

Analyst: **DJF**

1,3-Dichlorobenzene	ND	1.0	µg/L	1	10/12/2017 1:01:14 PM	W4631
1,4-Dichlorobenzene	ND	1.0	µg/L	1	10/12/2017 1:01:14 PM	W4631
Dichlorodifluoromethane	ND	1.0	µg/L	1	10/12/2017 1:01:14 PM	W4631
1,1-Dichloroethane	ND	1.0	µg/L	1	10/12/2017 1:01:14 PM	W4631
1,1-Dichloroethene	ND	1.0	µg/L	1	10/12/2017 1:01:14 PM	W4631
1,2-Dichloropropane	ND	1.0	µg/L	1	10/12/2017 1:01:14 PM	W4631
1,3-Dichloropropane	ND	1.0	µg/L	1	10/12/2017 1:01:14 PM	W4631
2,2-Dichloropropane	ND	2.0	µg/L	1	10/12/2017 1:01:14 PM	W4631
1,1-Dichloropropene	ND	1.0	µg/L	1	10/12/2017 1:01:14 PM	W4631
Hexachlorobutadiene	ND	1.0	µg/L	1	10/12/2017 1:01:14 PM	W4631
2-Hexanone	ND	10	µg/L	1	10/12/2017 1:01:14 PM	W4631
Isopropylbenzene	ND	1.0	µg/L	1	10/12/2017 1:01:14 PM	W4631
4-Isopropyltoluene	ND	1.0	µg/L	1	10/12/2017 1:01:14 PM	W4631
4-Methyl-2-pentanone	ND	10	µg/L	1	10/12/2017 1:01:14 PM	W4631
Methylene Chloride	ND	3.0	µg/L	1	10/12/2017 1:01:14 PM	W4631
n-Butylbenzene	ND	3.0	µg/L	1	10/12/2017 1:01:14 PM	W4631
n-Propylbenzene	ND	1.0	µg/L	1	10/12/2017 1:01:14 PM	W4631
sec-Butylbenzene	ND	1.0	µg/L	1	10/12/2017 1:01:14 PM	W4631
Styrene	ND	1.0	µg/L	1	10/12/2017 1:01:14 PM	W4631
tert-Butylbenzene	ND	1.0	µg/L	1	10/12/2017 1:01:14 PM	W4631
1,1,1,2-Tetrachloroethane	ND	1.0	µg/L	1	10/12/2017 1:01:14 PM	W4631
1,1,2,2-Tetrachloroethane	ND	2.0	µg/L	1	10/12/2017 1:01:14 PM	W4631
Tetrachloroethene (PCE)	ND	1.0	µg/L	1	10/12/2017 1:01:14 PM	W4631
trans-1,2-DCE	ND	1.0	µg/L	1	10/12/2017 1:01:14 PM	W4631
trans-1,3-Dichloropropene	ND	1.0	µg/L	1	10/12/2017 1:01:14 PM	W4631
1,2,3-Trichlorobenzene	ND	1.0	µg/L	1	10/12/2017 1:01:14 PM	W4631
1,2,4-Trichlorobenzene	ND	1.0	µg/L	1	10/12/2017 1:01:14 PM	W4631
1,1,1-Trichloroethane	ND	1.0	µg/L	1	10/12/2017 1:01:14 PM	W4631
1,1,2-Trichloroethane	ND	1.0	µg/L	1	10/12/2017 1:01:14 PM	W4631
Trichloroethene (TCE)	ND	1.0	µg/L	1	10/12/2017 1:01:14 PM	W4631
Trichlorofluoromethane	ND	1.0	µg/L	1	10/12/2017 1:01:14 PM	W4631
1,2,3-Trichloropropane	ND	2.0	µg/L	1	10/12/2017 1:01:14 PM	W4631
Vinyl chloride	ND	1.0	µg/L	1	10/12/2017 1:01:14 PM	W4631
Xylenes, Total	ND	1.5	µg/L	1	10/12/2017 1:01:14 PM	W4631
Surr: 1,2-Dichloroethane-d4	101	70-130	%Rec	1	10/12/2017 1:01:14 PM	W4631
Surr: 4-Bromofluorobenzene	96.5	70-130	%Rec	1	10/12/2017 1:01:14 PM	W4631
Surr: Dibromofluoromethane	111	70-130	%Rec	1	10/12/2017 1:01:14 PM	W4631
Surr: Toluene-d8	101	70-130	%Rec	1	10/12/2017 1:01:14 PM	W4631

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Detection Limit
S	% Recovery outside of range due to dilution or matrix	W	Sample container temperature is out of limit as specified

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD
Project: WT 1

Lab Order: 1710635

Lab ID: 1710635-003
Collection Date: 10/9/2017 4:15:00 PM
Client Sample ID: GW-11103552-100917-SP-SVE-5
Matrix: AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch ID
EPA METHOD 300.0: ANIONS						Analyst: **MRA**	
Sulfate	5700	100	*	mg/L	200	10/24/2017 1:06:11 AM	R46581
EPA METHOD 200.7: DISSOLVED METALS						Analyst: **pmf**	
Iron	0.18	0.020		mg/L	1	10/24/2017 5:40:03 PM	A46621
EPA METHOD 200.7: METALS						Analyst: **pmf**	
Iron	22	1.0	*	mg/L	50	10/25/2017 5:41:27 PM	34527
EPA METHOD 8260B: VOLATILES						Analyst: **DJF**	
Benzene	700	5.0	P	µg/L	10	10/12/2017 1:58:54 PM	W4631
Toluene	8.8	5.0	P	µg/L	10	10/12/2017 1:58:54 PM	W4631
Ethylbenzene	67	5.0	P	µg/L	10	10/12/2017 1:58:54 PM	W4631
Methyl tert-butyl ether (MTBE)	ND	5.0	P	µg/L	10	10/12/2017 1:58:54 PM	W4631
1,2,4-Trimethylbenzene	180	5.0	P	µg/L	10	10/12/2017 1:58:54 PM	W4631
1,3,5-Trimethylbenzene	12	5.0	P	µg/L	10	10/12/2017 1:58:54 PM	W4631
1,2-Dichloroethane (EDC)	ND	5.0	P	µg/L	10	10/12/2017 1:58:54 PM	W4631
1,2-Dibromoethane (EDB)	ND	5.0	P	µg/L	10	10/12/2017 1:58:54 PM	W4631
Naphthalene	33	10	P	µg/L	10	10/12/2017 1:58:54 PM	W4631
1-Methylnaphthalene	ND	20	P	µg/L	10	10/12/2017 1:58:54 PM	W4631
2-Methylnaphthalene	ND	20	P	µg/L	10	10/12/2017 1:58:54 PM	W4631
Acetone	72	50	P	µg/L	10	10/12/2017 1:58:54 PM	W4631
Bromobenzene	ND	5.0	P	µg/L	10	10/12/2017 1:58:54 PM	W4631
Bromodichloromethane	ND	5.0	P	µg/L	10	10/12/2017 1:58:54 PM	W4631
Bromoform	ND	5.0	P	µg/L	10	10/12/2017 1:58:54 PM	W4631
Bromomethane	ND	15	P	µg/L	10	10/12/2017 1:58:54 PM	W4631
2-Butanone	ND	50	P	µg/L	10	10/12/2017 1:58:54 PM	W4631
Carbon disulfide	ND	50	P	µg/L	10	10/12/2017 1:58:54 PM	W4631
Carbon Tetrachloride	ND	5.0	P	µg/L	10	10/12/2017 1:58:54 PM	W4631
Chlorobenzene	ND	5.0	P	µg/L	10	10/12/2017 1:58:54 PM	W4631
Chloroethane	ND	10	P	µg/L	10	10/12/2017 1:58:54 PM	W4631
Chloroform	ND	5.0	P	µg/L	10	10/12/2017 1:58:54 PM	W4631
Chloromethane	ND	15	P	µg/L	10	10/12/2017 1:58:54 PM	W4631
2-Chlorotoluene	ND	5.0	P	µg/L	10	10/12/2017 1:58:54 PM	W4631
4-Chlorotoluene	ND	5.0	P	µg/L	10	10/12/2017 1:58:54 PM	W4631
cis-1,2-DCE	ND	5.0	P	µg/L	10	10/12/2017 1:58:54 PM	W4631
cis-1,3-Dichloropropene	ND	5.0	P	µg/L	10	10/12/2017 1:58:54 PM	W4631
1,2-Dibromo-3-chloropropane	ND	10	P	µg/L	10	10/12/2017 1:58:54 PM	W4631
Dibromochloromethane	ND	5.0	P	µg/L	10	10/12/2017 1:58:54 PM	W4631
Dibromomethane	ND	5.0	P	µg/L	10	10/12/2017 1:58:54 PM	W4631
1,2-Dichlorobenzene	ND	5.0	P	µg/L	10	10/12/2017 1:58:54 PM	W4631

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Detection Limit
S	% Recovery outside of range due to dilution or matrix	W	Sample container temperature is out of limit as specified

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD
Project: WT 1

Lab Order: 1710635

EPA METHOD 8260B: VOLATILES

Analyst: **DJF**

1,3-Dichlorobenzene	ND	5.0	P	µg/L	10	10/12/2017 1:58:54 PM	W4631
1,4-Dichlorobenzene	ND	5.0	P	µg/L	10	10/12/2017 1:58:54 PM	W4631
Dichlorodifluoromethane	ND	5.0	P	µg/L	10	10/12/2017 1:58:54 PM	W4631
1,1-Dichloroethane	ND	5.0	P	µg/L	10	10/12/2017 1:58:54 PM	W4631
1,1-Dichloroethene	ND	5.0	P	µg/L	10	10/12/2017 1:58:54 PM	W4631
1,2-Dichloropropane	ND	5.0	P	µg/L	10	10/12/2017 1:58:54 PM	W4631
1,3-Dichloropropane	ND	5.0	P	µg/L	10	10/12/2017 1:58:54 PM	W4631
2,2-Dichloropropane	ND	10	P	µg/L	10	10/12/2017 1:58:54 PM	W4631
1,1-Dichloropropene	ND	5.0	P	µg/L	10	10/12/2017 1:58:54 PM	W4631
Hexachlorobutadiene	ND	5.0	P	µg/L	10	10/12/2017 1:58:54 PM	W4631
2-Hexanone	ND	50	P	µg/L	10	10/12/2017 1:58:54 PM	W4631
Isopropylbenzene	13	5.0	P	µg/L	10	10/12/2017 1:58:54 PM	W4631
4-Isopropyltoluene	ND	5.0	P	µg/L	10	10/12/2017 1:58:54 PM	W4631
4-Methyl-2-pentanone	ND	50	P	µg/L	10	10/12/2017 1:58:54 PM	W4631
Methylene Chloride	ND	15	P	µg/L	10	10/12/2017 1:58:54 PM	W4631
n-Butylbenzene	ND	15	P	µg/L	10	10/12/2017 1:58:54 PM	W4631
n-Propylbenzene	15	5.0	P	µg/L	10	10/12/2017 1:58:54 PM	W4631
sec-Butylbenzene	ND	5.0	P	µg/L	10	10/12/2017 1:58:54 PM	W4631
Styrene	ND	5.0	P	µg/L	10	10/12/2017 1:58:54 PM	W4631
tert-Butylbenzene	ND	5.0	P	µg/L	10	10/12/2017 1:58:54 PM	W4631
1,1,1,2-Tetrachloroethane	ND	5.0	P	µg/L	10	10/12/2017 1:58:54 PM	W4631
1,1,2,2-Tetrachloroethane	ND	10	P	µg/L	10	10/12/2017 1:58:54 PM	W4631
Tetrachloroethene (PCE)	ND	5.0	P	µg/L	10	10/12/2017 1:58:54 PM	W4631
trans-1,2-DCE	ND	5.0	P	µg/L	10	10/12/2017 1:58:54 PM	W4631
trans-1,3-Dichloropropene	ND	5.0	P	µg/L	10	10/12/2017 1:58:54 PM	W4631
1,2,3-Trichlorobenzene	ND	5.0	P	µg/L	10	10/12/2017 1:58:54 PM	W4631
1,2,4-Trichlorobenzene	ND	5.0	P	µg/L	10	10/12/2017 1:58:54 PM	W4631
1,1,1-Trichloroethane	ND	5.0	P	µg/L	10	10/12/2017 1:58:54 PM	W4631
1,1,2-Trichloroethane	ND	5.0	P	µg/L	10	10/12/2017 1:58:54 PM	W4631
Trichloroethene (TCE)	ND	5.0	P	µg/L	10	10/12/2017 1:58:54 PM	W4631
Trichlorofluoromethane	ND	5.0	P	µg/L	10	10/12/2017 1:58:54 PM	W4631
1,2,3-Trichloropropane	ND	10	P	µg/L	10	10/12/2017 1:58:54 PM	W4631
Vinyl chloride	ND	5.0	P	µg/L	10	10/12/2017 1:58:54 PM	W4631
Xylenes, Total	270	7.5	P	µg/L	10	10/12/2017 1:58:54 PM	W4631
Surr: 1,2-Dichloroethane-d4	96.6	70-130	P	%Rec	10	10/12/2017 1:58:54 PM	W4631
Surr: 4-Bromofluorobenzene	97.1	70-130	P	%Rec	10	10/12/2017 1:58:54 PM	W4631
Surr: Dibromofluoromethane	101	70-130	P	%Rec	10	10/12/2017 1:58:54 PM	W4631
Surr: Toluene-d8	97.6	70-130	P	%Rec	10	10/12/2017 1:58:54 PM	W4631

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Detection Limit
S	% Recovery outside of range due to dilution or matrix	W	Sample container temperature is out of limit as specified

Volatile Organic Compounds (GC) by Method RSK175

Analyte	Result	Qualifier	RDL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
Methane	8.27		0.200	20	10/17/2017 13:50	WG1032358
Ethane	0.0151		0.0130	1	10/17/2017 09:28	WG1032082
Ethene	ND		0.0130	1	10/17/2017 09:28	WG1032082

Wet Chemistry by Method 4500S2 D-2011

Analyte	Result	Qualifier	RDL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
Sulfide	0.162		0.0500	1	10/14/2017 15:14	WG1031568

Volatile Organic Compounds (GC) by Method RSK175

Analyte	Result	Qualifier	RDL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
Methane	0.539		0.0100	1	10/17/2017 09:30	WG1032082
Ethane	ND		0.0130	1	10/17/2017 09:30	WG1032082
Ethene	ND		0.0130	1	10/17/2017 09:30	WG1032082

Wet Chemistry by Method 4500S2 D-2011

Analyte	Result	Qualifier	RDL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
Sulfide	ND		0.0500	1	10/14/2017 15:15	WG1031568

SAMPLE RESULTS - 05

L943743

Volatile Organic Compounds (GC) by Method RSK175

Analyte	Result	Qualifier	RDL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
Methane	2.08		0.0500	5	10/17/2017 13:54	WG1032358
Ethane	ND		0.0130	1	10/17/2017 09:34	WG1032082
Ethene	ND		0.0130	1	10/17/2017 09:34	WG1032082

Tc
Ss
Cn
Sr
Qc
Gl
Al
Sc

Wet Chemistry by Method 4500S2 D-2011

Analyte	Result	Qualifier	RDL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
Sulfide	96.5		7.50	150	10/14/2017 15:15	WG1031568

Method Blank (MB)

(MB) R3257474-1 10/14/17 15:02

	MB Result	MB Qualifier	MB MDL	MB RDL
Analyte	mg/l		mg/l	mg/l
Sulfide	U		0.0065	0.0500

L943338-10 Original Sample (OS) • Duplicate (DUP)

(OS) L943338-10 10/14/17 15:11 • (DUP) R3257474-7 10/14/17 15:11

	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
Analyte	mg/l	mg/l		%		%
Sulfide	ND	0.000	1	0		20

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R3257474-2 10/14/17 15:03 • (LCSD) R3257474-3 10/14/17 15:03

	Spike Amount	LCS Result	LCSD Result	LCS Rec.	LCSD Rec.	Rec. Limits	LCS Qualifier	LCSD Qualifier	RPD	RPD Limits
Analyte	mg/l	mg/l	mg/l	%	%	%			%	%
Sulfide	0.500	0.539	0.539	108	108	85-115			0	20

L943096-02 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L943096-02 10/14/17 15:03 • (MS) R3257474-4 10/14/17 15:04 • (MSD) R3257474-5 10/14/17 15:04

	Spike Amount	Original Result	MS Result	MSD Result	MS Rec.	MSD Rec.	Dilution	Rec. Limits	MS Qualifier	MSD Qualifier	RPD	RPD Limits
Analyte	mg/l	mg/l	mg/l	mg/l	%	%		%			%	%
Sulfide	1.00	ND	0.888	0.886	87	87	1	80-120			0	20

Method Blank (MB)

(MB) R3258024-1 10/17/17 09:14

Analyte	MB Result	MB Qualifier	MB MDL	MB RDL
	mg/l		mg/l	mg/l
Methane	U		0.00291	0.0100
Ethane	U		0.00407	0.0130
Ethene	U		0.00426	0.0130

L943450-01 Original Sample (OS) • Duplicate (DUP)

(OS) L943450-01 10/17/17 09:23 • (DUP) R3258024-2 10/17/17 10:30

Analyte	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
	mg/l	mg/l		%		%
Methane	ND	0.000	1	0.000		20
Ethane	ND	0.000	1	0.000		20
Ethene	ND	0.000	1	0.000		20

L943831-01 Original Sample (OS) • Duplicate (DUP)

(OS) L943831-01 10/17/17 11:27 • (DUP) R3258024-3 10/17/17 11:58

Analyte	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
	mg/l	mg/l		%		%
Methane	ND	0.000	1	0.000		20
Ethane	ND	0.000	1	0.000		20
Ethene	ND	0.000	1	0.000		20

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R3258024-4 10/17/17 12:01 • (LCSD) R3258024-5 10/17/17 12:18

Analyte	Spike Amount	LCS Result	LCSD Result	LCS Rec.	LCSD Rec.	Rec. Limits	LCS Qualifier	LCSD Qualifier	RPD	RPD Limits
	mg/l	mg/l	mg/l	%	%	%			%	%
Methane	0.0678	0.0657	0.0694	96.9	102	85.0-115			5.51	20
Ethane	0.129	0.119	0.120	92.1	92.8	85.0-115			0.760	20
Ethene	0.127	0.114	0.115	89.9	90.6	85.0-115			0.800	20

Method Blank (MB)

(MB) R3258046-1 10/17/17 13:45

Analyte	MB Result	MB Qualifier	MB MDL	MB RDL
	mg/l		mg/l	mg/l
Methane	U		0.00291	0.0100

L943743-01 Original Sample (OS) • Duplicate (DUP)

(OS) L943743-01 10/17/17 13:50 • (DUP) R3258046-2 10/17/17 14:04

Analyte	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
	mg/l	mg/l		%		%
Methane	8.27	8.14	20	1.61		20

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R3258046-3 10/17/17 14:15 • (LCSD) R3258046-4 10/17/17 14:18

Analyte	Spike Amount	LCS Result	LCSD Result	LCS Rec.	LCSD Rec.	Rec. Limits	LCS Qualifier	LCSD Qualifier	RPD	RPD Limits
	mg/l	mg/l	mg/l	%	%	%			%	%
Methane	0.0678	0.0711	0.0728	105	107	85.0-115			2.44	20

Guide to Reading and Understanding Your Laboratory Report

The information below is designed to better explain the various terms used in your report of analytical results from the Laboratory. This is not intended as a comprehensive explanation, and if you have additional questions please contact your project representative.

Abbreviations and Definitions

MDL	Method Detection Limit.
ND	Not detected at the Reporting Limit (or MDL where applicable).
RDL	Reported Detection Limit.
Rec.	Recovery.
RPD	Relative Percent Difference.
SDG	Sample Delivery Group.
U	Not detected at the Reporting Limit (or MDL where applicable).
Analyte	The name of the particular compound or analysis performed. Some Analyses and Methods will have multiple analytes reported.
Dilution	If the sample matrix contains an interfering material, or if concentrations of analytes in the sample are higher than the highest limit of concentration that the laboratory can accurately report, the sample may be diluted for analysis. If a value different than 1 is used in this field, the result reported has already been corrected for this factor.
Limits	These are the target % recovery ranges or % difference value that the laboratory has historically determined as normal for the method and analyte being reported. Successful QC Sample analysis will target all analytes recovered or duplicated within these ranges.
Original Sample	The non-spiked sample in the prep batch used to determine the Relative Percent Difference (RPD) from a quality control sample. The Original Sample may not be included within the reported SDG.
Qualifier	This column provides a letter and/or number designation that corresponds to additional information concerning the result reported. If a Qualifier is present, a definition per Qualifier is provided within the Glossary and Definitions page and potentially a discussion of possible implications of the Qualifier in the Case Narrative if applicable.
Result	The actual analytical final result (corrected for any sample specific characteristics) reported for your sample. If there was no measurable result returned for a specific analyte, the result in this column may state "ND" (Not Detected) or "BDL" (Below Detectable Levels). The information in the results column should always be accompanied by either an MDL (Method Detection Limit) or RDL (Reporting Detection Limit) that defines the lowest value that the laboratory could detect or report for this analyte.
Case Narrative (Cn)	A brief discussion about the included sample results, including a discussion of any non-conformances to protocol observed either at sample receipt by the laboratory from the field or during the analytical process. If present, there will be a section in the Case Narrative to discuss the meaning of any data qualifiers used in the report.
Quality Control Summary (Qc)	This section of the report includes the results of the laboratory quality control analyses required by procedure or analytical methods to assist in evaluating the validity of the results reported for your samples. These analyses are not being performed on your samples typically, but on laboratory generated material.
Sample Chain of Custody (Sc)	This is the document created in the field when your samples were initially collected. This is used to verify the time and date of collection, the person collecting the samples, and the analyses that the laboratory is requested to perform. This chain of custody also documents all persons (excluding commercial shippers) that have had control or possession of the samples from the time of collection until delivery to the laboratory for analysis.
Sample Results (Sr)	This section of your report will provide the results of all testing performed on your samples. These results are provided by sample ID and are separated by the analyses performed on each sample. The header line of each analysis section for each sample will provide the name and method number for the analysis reported.
Sample Summary (Ss)	This section of the Analytical Report defines the specific analyses performed for each sample ID, including the dates and times of preparation and/or analysis.

Qualifier	Description

The remainder of this page intentionally left blank, there are no qualifiers applied to this SDG.

Tc
Ss
Cn
Sr
Qc
Gl
Al
Sc

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: **1710635**

03-Nov-17

Client: GHD

Project: WT 1

Sample ID	**MB-34527**	SampType:	**MBLK**		TestCode:	**EPA Method 200.7: Metals**				
Client ID:	**PBW**	Batch ID:	**34527**		RunNo:	**46537**				
Prep Date:	**10/19/2017**	Analysis Date:	**10/20/2017**		SeqNo:	**1482211**	Units:	**mg/L**		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Iron	ND	0.020								

Sample ID	**LLLCS-34527**	SampType:	**LCSLL**		TestCode:	**EPA Method 200.7: Metals**				
Client ID:	**BatchQC**	Batch ID:	**34527**		RunNo:	**46537**				
Prep Date:	**10/19/2017**	Analysis Date:	**10/20/2017**		SeqNo:	**1482212**	Units:	**mg/L**		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Iron	0.023	0.020	0.02000	0	116	50	150			

Sample ID	**LCS-34527**	SampType:	**LCS**		TestCode:	**EPA Method 200.7: Metals**				
Client ID:	**LCSW**	Batch ID:	**34527**		RunNo:	**46537**				
Prep Date:	**10/19/2017**	Analysis Date:	**10/20/2017**		SeqNo:	**1482213**	Units:	**mg/L**		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Iron	0.48	0.020	0.5000	0	95.4	85	115			

Sample ID	**1710635-002DMS**	SampType:	**MS**		TestCode:	**EPA Method 200.7: Metals**				
Client ID:	**GW-11103552-10091**	Batch ID:	**34527**		RunNo:	**46621**				
Prep Date:	**10/19/2017**	Analysis Date:	**10/24/2017**		SeqNo:	**1485003**	Units:	**mg/L**		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Iron	0.99	0.020	0.5000	0.5637	86.2	70	130			

Sample ID	**1710635-002DMSD**	SampType:	**MSD**		TestCode:	**EPA Method 200.7: Metals**				
Client ID:	**GW-11103552-10091**	Batch ID:	**34527**		RunNo:	**46621**				
Prep Date:	**10/19/2017**	Analysis Date:	**10/24/2017**		SeqNo:	**1485004**	Units:	**mg/L**		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Iron	1.0	0.020	0.5000	0.5637	87.1	70	130	0.449	20	

Sample ID	**MB-B**	SampType:	**MBLK**		TestCode:	**EPA Method 200.7: Metals**				
Client ID:	**PBW**	Batch ID:	**B46621**		RunNo:	**46621**				
Prep Date:		Analysis Date:	**10/24/2017**		SeqNo:	**1485327**	Units:	**mg/L**		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Iron	ND	0.020								

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Detection Limit
S	% Recovery outside of range due to dilution or matrix	W	Sample container temperature is out of limit as specified

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: **1710635**

03-Nov-17

Client: GHD

Project: WT 1

Sample ID	**LLLCS-B**	SampType:	**LCSLL**	TestCode:	**EPA Method 200.7: Metals**					
Client ID:	**BatchQC**	Batch ID:	**B46621**	RunNo:	**46621**					
Prep Date:		Analysis Date:	**10/24/2017**	SeqNo:	**1485328**	Units:	**mg/L**			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Iron	0.024	0.020	0.02000	0	119	50	150			

Sample ID	**LCS-B**	SampType:	**LCS**	TestCode:	**EPA Method 200.7: Metals**					
Client ID:	**LCSW**	Batch ID:	**B46621**	RunNo:	**46621**					
Prep Date:		Analysis Date:	**10/24/2017**	SeqNo:	**1485331**	Units:	**mg/L**			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Iron	0.48	0.020	0.5000	0	95.9	85	115			

Sample ID	**MB-A**	SampType:	**MBLK**	TestCode:	**EPA Method 200.7: Metals**					
Client ID:	**PBW**	Batch ID:	**A46735**	RunNo:	**46735**					
Prep Date:		Analysis Date:	**10/27/2017**	SeqNo:	**1489530**	Units:	**mg/L**			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Iron	ND	0.020								

Sample ID	**LLLCS-A**	SampType:	**LCSLL**	TestCode:	**EPA Method 200.7: Metals**					
Client ID:	**BatchQC**	Batch ID:	**A46735**	RunNo:	**46735**					
Prep Date:		Analysis Date:	**10/27/2017**	SeqNo:	**1489531**	Units:	**mg/L**			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Iron	0.022	0.020	0.02000	0	110	50	150			

Sample ID	**LCS-A**	SampType:	**LCS**	TestCode:	**EPA Method 200.7: Metals**					
Client ID:	**LCSW**	Batch ID:	**A46735**	RunNo:	**46735**					
Prep Date:		Analysis Date:	**10/27/2017**	SeqNo:	**1489532**	Units:	**mg/L**			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Iron	0.48	0.020	0.5000	0	96.9	85	115			

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Detection Limit
S	% Recovery outside of range due to dilution or matrix	W	Sample container temperature is out of limit as specified

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: **1710635**

03-Nov-17

Client: GHD

Project: WT 1

Sample ID	**MB-A**	SampType:	**MBLK**	TestCode:	**EPA Method 200.7: Dissolved Metals**					
Client ID:	**PBW**	Batch ID:	**A46621**	RunNo:	**46621**					
Prep Date:		Analysis Date:	**10/24/2017**	SeqNo:	**1484893**	Units:	**mg/L**			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Iron	ND	0.020								

Sample ID	**MB-B**	SampType:	**MBLK**	TestCode:	**EPA Method 200.7: Dissolved Metals**					
Client ID:	**PBW**	Batch ID:	**B46621**	RunNo:	**46621**					
Prep Date:		Analysis Date:	**10/24/2017**	SeqNo:	**1484894**	Units:	**mg/L**			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Iron	ND	0.020								

Sample ID	**LLLCS-A**	SampType:	**LCSLL**	TestCode:	**EPA Method 200.7: Dissolved Metals**					
Client ID:	**BatchQC**	Batch ID:	**A46621**	RunNo:	**46621**					
Prep Date:		Analysis Date:	**10/24/2017**	SeqNo:	**1484896**	Units:	**mg/L**			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Iron	0.021	0.020	0.02000	0	103	50	150			

Sample ID	**LLLCS-B**	SampType:	**LCSLL**	TestCode:	**EPA Method 200.7: Dissolved Metals**					
Client ID:	**BatchQC**	Batch ID:	**B46621**	RunNo:	**46621**					
Prep Date:		Analysis Date:	**10/24/2017**	SeqNo:	**1484897**	Units:	**mg/L**			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Iron	0.024	0.020	0.02000	0	119	50	150			

Sample ID	**LCS-A**	SampType:	**LCS**	TestCode:	**EPA Method 200.7: Dissolved Metals**					
Client ID:	**LCSW**	Batch ID:	**A46621**	RunNo:	**46621**					
Prep Date:		Analysis Date:	**10/24/2017**	SeqNo:	**1484906**	Units:	**mg/L**			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Iron	0.49	0.020	0.5000	0	97.3	85	115			

Sample ID	**LCS-B**	SampType:	**LCS**	TestCode:	**EPA Method 200.7: Dissolved Metals**					
Client ID:	**LCSW**	Batch ID:	**B46621**	RunNo:	**46621**					
Prep Date:		Analysis Date:	**10/24/2017**	SeqNo:	**1484907**	Units:	**mg/L**			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Iron	0.48	0.020	0.5000	0	95.9	85	115			

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Detection Limit
S	% Recovery outside of range due to dilution or matrix	W	Sample container temperature is out of limit as specified

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: **1710635**

03-Nov-17

Client: GHD

Project: WT 1

Sample ID	**1710635-002CMS**	SampType:	**MS**		TestCode:	**EPA Method 200.7: Dissolved Metals**				
Client ID:	**GW-11103552-10091**	Batch ID:	**B46621**		RunNo:	**46621**				
Prep Date:		Analysis Date:	**10/24/2017**		SeqNo:	**1484962**	Units:	**mg/L**		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Iron	0.46	0.020	0.5000	0.01682	88.9	70	130			

Sample ID	**1710635-002CMSD**	SampType:	**MSD**		TestCode:	**EPA Method 200.7: Dissolved Metals**				
Client ID:	**GW-11103552-10091**	Batch ID:	**B46621**		RunNo:	**46621**				
Prep Date:		Analysis Date:	**10/24/2017**		SeqNo:	**1484963**	Units:	**mg/L**		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Iron	0.47	0.020	0.5000	0.01682	90.1	70	130	1.29	20	

Sample ID	**MB-A**	SampType:	**MBLK**		TestCode:	**EPA Method 200.7: Dissolved Metals**				
Client ID:	**PBW**	Batch ID:	**A46735**		RunNo:	**46735**				
Prep Date:		Analysis Date:	**10/27/2017**		SeqNo:	**1489227**	Units:	**mg/L**		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Iron	ND	0.020								

Sample ID	**LLLCS-A**	SampType:	**LCSLL**		TestCode:	**EPA Method 200.7: Dissolved Metals**				
Client ID:	**BatchQC**	Batch ID:	**A46735**		RunNo:	**46735**				
Prep Date:		Analysis Date:	**10/27/2017**		SeqNo:	**1489229**	Units:	**mg/L**		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Iron	0.022	0.020	0.02000	0	110	50	150			

Sample ID	**LCS-A**	SampType:	**LCS**		TestCode:	**EPA Method 200.7: Dissolved Metals**				
Client ID:	**LCSW**	Batch ID:	**A46735**		RunNo:	**46735**				
Prep Date:		Analysis Date:	**10/27/2017**		SeqNo:	**1489231**	Units:	**mg/L**		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Iron	0.48	0.020	0.5000	0	96.9	85	115			

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Detection Limit
S	% Recovery outside of range due to dilution or matrix	W	Sample container temperature is out of limit as specified

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: **1710635**

03-Nov-17

Client: GHD

Project: WT 1

Sample ID	**MB**	SampType:	**mblk**	TestCode:	**EPA Method 300.0: Anions**					
Client ID:	**PBW**	Batch ID:	**A46536**	RunNo:	**46536**					
Prep Date:		Analysis Date:	**10/19/2017**	SeqNo:	**1482176**	Units:	**mg/L**			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Sulfate	ND	0.50								

Sample ID	**LCS**	SampType:	**lcs**	TestCode:	**EPA Method 300.0: Anions**					
Client ID:	**LCSW**	Batch ID:	**A46536**	RunNo:	**46536**					
Prep Date:		Analysis Date:	**10/19/2017**	SeqNo:	**1482177**	Units:	**mg/L**			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Sulfate	9.5	0.50	10.00	0	95.4	90	110			

Sample ID	**MB**	SampType:	**mblk**	TestCode:	**EPA Method 300.0: Anions**					
Client ID:	**PBW**	Batch ID:	**R46581**	RunNo:	**46581**					
Prep Date:		Analysis Date:	**10/23/2017**	SeqNo:	**1483642**	Units:	**mg/L**			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Sulfate	ND	0.50								

Sample ID	**LCS**	SampType:	**lcs**	TestCode:	**EPA Method 300.0: Anions**					
Client ID:	**LCSW**	Batch ID:	**R46581**	RunNo:	**46581**					
Prep Date:		Analysis Date:	**10/23/2017**	SeqNo:	**1483643**	Units:	**mg/L**			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Sulfate	9.8	0.50	10.00	0	98.0	90	110			

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Detection Limit
S	% Recovery outside of range due to dilution or matrix	W	Sample container temperature is out of limit as specified

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: **1710635**

03-Nov-17

Client: GHD

Project: WT 1

Sample ID **rb**	SampType: **MBLK**	TestCode: **EPA Method 8260B: VOLATILES**
Client ID: **PBW**	Batch ID: **W46319**	RunNo: **46319**
Prep Date:	Analysis Date: **10/12/2017**	SeqNo: **1475459** Units: **µg/L**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	ND	1.0								
Toluene	ND	1.0								
Ethylbenzene	ND	1.0								
Methyl tert-butyl ether (MTBE)	ND	1.0								
1,2,4-Trimethylbenzene	ND	1.0								
1,3,5-Trimethylbenzene	ND	1.0								
1,2-Dichloroethane (EDC)	ND	1.0								
1,2-Dibromoethane (EDB)	ND	1.0								
Naphthalene	ND	2.0								
1-Methylnaphthalene	ND	4.0								
2-Methylnaphthalene	ND	4.0								
Acetone	ND	10								
Bromobenzene	ND	1.0								
Bromodichloromethane	ND	1.0								
Bromoform	ND	1.0								
Bromomethane	ND	3.0								
2-Butanone	ND	10								
Carbon disulfide	ND	10								
Carbon Tetrachloride	ND	1.0								
Chlorobenzene	ND	1.0								
Chloroethane	ND	2.0								
Chloroform	ND	1.0								
Chloromethane	ND	3.0								
2-Chlorotoluene	ND	1.0								
4-Chlorotoluene	ND	1.0								
cis-1,2-DCE	ND	1.0								
cis-1,3-Dichloropropene	ND	1.0								
1,2-Dibromo-3-chloropropane	ND	2.0								
Dibromochloromethane	ND	1.0								
Dibromomethane	ND	1.0								
1,2-Dichlorobenzene	ND	1.0								
1,3-Dichlorobenzene	ND	1.0								
1,4-Dichlorobenzene	ND	1.0								
Dichlorodifluoromethane	ND	1.0								
1,1-Dichloroethane	ND	1.0								
1,1-Dichloroethene	ND	1.0								
1,2-Dichloropropane	ND	1.0								
1,3-Dichloropropane	ND	1.0								
2,2-Dichloropropane	ND	2.0								

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Detection Limit
S	% Recovery outside of range due to dilution or matrix	W	Sample container temperature is out of limit as specified

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: **1710635**

03-Nov-17

Client: GHD

Project: WT 1

Sample ID **rb**	SampType: **MBLK**	TestCode: **EPA Method 8260B: VOLATILES**
Client ID: **PBW**	Batch ID: **W46319**	RunNo: **46319**
Prep Date:	Analysis Date: **10/12/2017**	SeqNo: **1475459** Units: **µg/L**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
1,1-Dichloropropene	ND	1.0								
Hexachlorobutadiene	ND	1.0								
2-Hexanone	ND	10								
Isopropylbenzene	ND	1.0								
4-Isopropyltoluene	ND	1.0								
4-Methyl-2-pentanone	ND	10								
Methylene Chloride	ND	3.0								
n-Butylbenzene	ND	3.0								
n-Propylbenzene	ND	1.0								
sec-Butylbenzene	ND	1.0								
Styrene	ND	1.0								
tert-Butylbenzene	ND	1.0								
1,1,1,2-Tetrachloroethane	ND	1.0								
1,1,2,2-Tetrachloroethane	ND	2.0								
Tetrachloroethene (PCE)	ND	1.0								
trans-1,2-DCE	ND	1.0								
trans-1,3-Dichloropropene	ND	1.0								
1,2,3-Trichlorobenzene	ND	1.0								
1,2,4-Trichlorobenzene	ND	1.0								
1,1,1-Trichloroethane	ND	1.0								
1,1,2-Trichloroethane	ND	1.0								
Trichloroethene (TCE)	ND	1.0								
Trichlorofluoromethane	ND	1.0								
1,2,3-Trichloropropane	ND	2.0								
Vinyl chloride	ND	1.0								
Xylenes, Total	ND	1.5								
Surr: 1,2-Dichloroethane-d4	9.8		10.00		97.5	70	130			
Surr: 4-Bromofluorobenzene	9.9		10.00		99.4	70	130			
Surr: Dibromofluoromethane	11		10.00		106	70	130			
Surr: Toluene-d8	10		10.00		102	70	130			

Sample ID **100ng lcs**	SampType: **LCS**	TestCode: **EPA Method 8260B: VOLATILES**
Client ID: **LCSW**	Batch ID: **W46319**	RunNo: **46319**
Prep Date:	Analysis Date: **10/12/2017**	SeqNo: **1475460** Units: **µg/L**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	18	1.0	20.00	0	89.3	70	130			
Toluene	19	1.0	20.00	0	96.6	70	130			
Chlorobenzene	19	1.0	20.00	0	95.8	70	130			

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Detection Limit
S	% Recovery outside of range due to dilution or matrix	W	Sample container temperature is out of limit as specified

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: **1710635**

03-Nov-17

Client: GHD

Project: WT 1

Sample ID **100ng lcs**	SampType: **LCS**	TestCode: **EPA Method 8260B: VOLATILES**
Client ID: **LCSW**	Batch ID: **W46319**	RunNo: **46319**
Prep Date:	Analysis Date: **10/12/2017**	SeqNo: **1475460** Units: **µg/L**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
1,1-Dichloroethene	20	1.0	20.00	0	102	70	130			
Trichloroethene (TCE)	18	1.0	20.00	0	89.0	70	130			
Surr: 1,2-Dichloroethane-d4	9.7		10.00		96.6	70	130			
Surr: 4-Bromofluorobenzene	9.8		10.00		97.9	70	130			
Surr: Dibromofluoromethane	9.7		10.00		97.0	70	130			
Surr: Toluene-d8	10		10.00		103	70	130			

Sample ID **1710635-001a ms**	SampType: **MS**	TestCode: **EPA Method 8260B: VOLATILES**
Client ID: **GW-11103552-10091**	Batch ID: **W46319**	RunNo: **46319**
Prep Date:	Analysis Date: **10/12/2017**	SeqNo: **1475463** Units: **µg/L**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	5700	20	400.0	5260	97.9	70	130			E
Toluene	410	20	400.0	12.45	99.1	70	130			
Chlorobenzene	400	20	400.0	0	101	70	130			
1,1-Dichloroethene	400	20	400.0	0	101	70	130			
Trichloroethene (TCE)	360	20	400.0	0	90.4	70	130			
Surr: 1,2-Dichloroethane-d4	180		200.0		92.5	70	130			
Surr: 4-Bromofluorobenzene	250		200.0		123	70	130			
Surr: Dibromofluoromethane	180		200.0		90.9	70	130			
Surr: Toluene-d8	210		200.0		105	70	130			

Sample ID **1710635-001a msd**	SampType: **MSD**	TestCode: **EPA Method 8260B: VOLATILES**
Client ID: **GW-11103552-10091**	Batch ID: **W46319**	RunNo: **46319**
Prep Date:	Analysis Date: **10/12/2017**	SeqNo: **1475464** Units: **µg/L**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	5400	20	400.0	5260	30.5	70	130	4.89	20	ES
Toluene	400	20	400.0	12.45	96.1	70	130	2.96	20	
Chlorobenzene	380	20	400.0	0	94.1	70	130	7.20	20	
1,1-Dichloroethene	380	20	400.0	0	94.6	70	130	6.13	20	
Trichloroethene (TCE)	340	20	400.0	0	85.3	70	130	5.76	20	
Surr: 1,2-Dichloroethane-d4	180		200.0		91.4	70	130	0	0	
Surr: 4-Bromofluorobenzene	250		200.0		124	70	130	0	0	
Surr: Dibromofluoromethane	180		200.0		89.3	70	130	0	0	
Surr: Toluene-d8	200		200.0		102	70	130	0	0	

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Detection Limit
S	% Recovery outside of range due to dilution or matrix	W	Sample container temperature is out of limit as specified

HALL ENVIRONMENTAL ANALYSIS LABORATORY

Hall Environmental Analysis Laboratory
4901 Hawkins NE
Albuquerque, NM 87109
TEL: 505-345-3975 FAX: 505-345-4107
Website: www.hallenvironmental.com

Sample Log-In Check List

Client Name: GHD | Work Order Number: 1710635 | RcptNo: 1

Received By: Richie Eriacho 10/11/2017 9:40:00 AM

Completed By: Ashley Gallegos 10/11/2017 2:45:42 PM

Reviewed By: RE 10/11/17

Chain of Custody

1. Custody seals intact on sample bottles?	Yes ☐	No ☐	Not Present ☑
2. Is Chain of Custody complete?	Yes ☑	No ☐	Not Present ☐
3. How was the sample delivered?	Courier		

Log In

4. Was an attempt made to cool the samples?	Yes ☑	No ☐	NA ☐
5. Were all samples received at a temperature of >0° C to 6.0°C	Yes ☑	No ☐	NA ☐
6. Sample(s) in proper container(s)?	~~Yes ☑~~ RE	No ☒	
7. Sufficient sample volume for indicated test(s)?	Yes ☑	No ☐	
8. Are samples (except VOA and ONG) properly preserved?	~~Yes ☑~~ RE	No ☒	
9. Was preservative added to bottles?	Yes ☒ RE	~~No ☑~~	NA ☐
10. VOA vials have zero headspace?	Yes ☑	No ☐	No VOA Vials ☐
11. Were any sample containers received broken?	Yes ☐	No ☑	
12. Does paperwork match bottle labels? (Note discrepancies on chain of custody)	Yes ☑	No ☐	
13. Are matrices correctly identified on Chain of Custody?	Yes ☑	No ☐	
14. Is it clear what analyses were requested?	Yes ☑	No ☐	
15. Were all holding times able to be met? (If no, notify customer for authorization.)	Yes ☑	No ☐	

# of preserved bottles checked for pH: 6, 3 (<2 or >12 unless noted)

Adjusted? YES

Checked by: RE

Special Handling (if applicable)

16. Was client notified of all discrepancies with this order? Yes ☐ No ☐ NA ☑

Person Notified: | Date:

By Whom: | Via: ☐ eMail ☐ Phone ☐ Fax ☐ In Person

Regarding:

Client Instructions:

17. Additional remarks: For metals testing: 1mL HNO_3 was added to -001D and 3mL HNO_3 to -003D. -003C was poured off and filtered for metals. Samples were held 24 hrs prior to analysis. 10/11/17 1600 RE

18. **Cooler Information**

Cooler No	Temp °C	Condition	Seal Intact	Seal No	Seal Date	Signed By
1	2.9	Good	Yes			

Chain-of-Custody Record

Client: GHD - Albuquerque

Mailing Address: 6121 Indian School Rd NE Ste 200, Albuquerque, NM, 87110

Phone #: 505-884-0672

email or Fax#: Bernard.Bockisch@ghd.com

QA/QC Package:
☐ Standard ☐ Level 4 (Full Validation)

Accreditation
☐ NELAP ☐ Other _____

☐ EDD (Type) _____

Turn-Around Time:
☑ Standard ☐ Rush _____

Project Name: WT-1

Project #: 11103552

Project Manager: Bernard Bockisch

Sampler: Steve Perez

On Ice: ☒ Yes ☐ No

Sample Temperature: 2.9

HALL ENVIRONMENTAL ANALYSIS LABORATORY

www.hallenvironmental.com

4901 Hawkins NE - Albuquerque, NM 87109

Tel. 505-345-3975 Fax 505-345-4107

Analysis Request

Date	Time	Matrix	Sample Request ID	Container Type and #	Preservative Type	HEAL No. 1710635	BTEX + MTBE + TMB's (8021)	BTEX + MTBE + TPH (Gas only)	TPH 8015B (GRO / DRO / MRO)	TPH (Method 418.1)	EDB (Method 504.1)	PAH's (8310 or 8270 SIMS)	RCRA 8 Metals	Anions ($F, Cl, NO_3, NO_2, PO_4, SO_4$)	8081 Pesticides / 8082 PCB's	8260B (VOA)	8270 (Semi-VOA)	XXX See SSOW				Air Bubbles (Y or N)
10-9-17	1430	GW	GW-11103552-100917-SP-MW-10	Various	Various	-001												X				
↓	1535	↓	GW-11103552-100917-SP-SVE-8	↓	↓	-002												X				
↓	1615	↓	GW-11103552-100917-SP-SVE-5	↓	↓	-003												X				

Date:	Time:	Relinquished by:	Received by:	Date	Time
10/10/17	808	Steven Perez		10/10/17	0880
10/10/17	1900			10/11/17	0940

Remarks:

If necessary, samples submitted to Hall Environmental may be subcontracted to other accredited laboratories. This serves as notice of this possibility. Any sub-contracted data will be clearly notated on the analytical report.

Courier

GHD Simplified Scope of Work (SSOW)/Laboratory Services Purchase Order

Project Summary:

Project Name: WT-1 Compressor
GHD Project No./Phase/Task: 11103552
Project Location: Lea County, NM
Client Name: Energy Transfer Company
QAPP Title:

Database Summary:

Database Maintained: ☑Yes ☐No

Database Facility Code: 11103552-GD-Energy

Note: Is there more than one laboratory for this event? (SSOW__ of __) ☐Yes ☑No

SSOW Ref. Code: 11103552-2017-002

FOR INTERNAL USE ONLY - CODING

Event Summary:

Phase/Study Title: ISEB Sampling
Event Description: ISEB Sampling
Start Date: 10/9/17
Sampling Duration: One day
Sampling Frequency: semi-annually

Rush TAT: ☑NA
Final Report & EDD TAT: 10 BD
Sample Batching: sample event
Date Bottles Required: 6-Oct-17
Bottle Shipping Address: 415 E Chapman Rd
CARLSBAD, NM 88220
Phone Number:
Attention: STEVEN PEREZ

Contacts:	Name	Address	Phone	Cell	Email
Client Project Manager:	Stacy Boultinghouse	800 Sonterra Blvd, Ste 400, San Antonio, TX 78258	210-870-2725	281.740.0494	Stacy.Boultinghouse@energytransfer.com
Consulting Firm:	GHD Services Inc.				
Project Manager:	Bernard Bockisch	6121 Indian School Rd NE Ste 200	505-884-0672	505-280-0572	bernard.bockisch@ghd.com
Project Coordinator	Christine Mathews	6121 Indian School Rd NE Ste 200	505-884-0672	505-269-0088	christine.mathews@ghd.com
Field Leader:	Steven Perez	6121 Indian School Rd NE Ste 200	505-884-0672	575-689-5782	steven.perez@ghd.com
Laboratory (Vendor):	Hall Environmental Analysis Laboratory				
Lab Project Manager:	Andy Freeman	4601 Hawkins NE, Ste D Albuquerque, NM 87109	505-345-3975		andy@hallenvironmental.com
Chemistry/Data Mgt. Firm:	GHD Services Inc.				
Chemist :	Bown, Angela	9033 Meridian Way, West Chester, Ohio, 45069	513-942-4750		angela.bown@ghd.com
Database Analyst:	Lidstone, Julie	651 Colby Drive ,Waterloo, Ontario N2V 1C2	519-884-0510		julie.lidstone@ghd.com

Lab Deliverables

EDD Format: ☐ GHD EQuIS EZEDD ☑GHD EQuIS 4-file ☐Other (Please Specify)
Hardcopy Level Requested: ☑GHD Standard ☐Expanded ☐Other (Please Specify)

Additional Reporting Requirements

Form 1's include: ☐MDLs ☑PQLs ☐J Values
TICs: ☐Yes ☑No
Soil Reporting: ☐Dry ☐Wet

Lab Deliverables Distribution

Rush TAT Data (email deliverable only) :
Final EDD & Result Summary (PDF) : Bernie Bockisch, Christine Mathews, Angela Bown
Final Lab Report ☑PDF ☐CD ☐Hard Copy : Bernie Bockisch, Christine Mathews, Angela Bown

GHD Data Review Level

☐Compliance ☐Reduced Validation ☐Reg III Innovative
☐Full Validation ☐10/90-Full/Innovative ☑Other (Please Specify) None

Data Management Deliverables ☑EQuIS Database ☑Cross Tab Table ☐Flat File ☐Databox ☐Other (please specify):

Data Management Deliverables Distribution Distribution List: Bernie Bockisch, Christine Mathews

Data Management DV TAT: 5 BD

Database Exports - Reporting down to MDL ☐Yes ☑No

Comments

*** additional Final Lab Report copy (in *.pdf format) is available on GHD's MyPortal Site in the Project File folder or on Program specific SharePoint site; please contact project Chemist

SSOW Email Distribution List: Stacy.Boultinghouse@energytransfer.com; bernard.bockisch@ghd.com; steven.perez@ghd.com; andy@hallenvironmental.com; angela.bown@ghd.com; julie.lidstone@ghd.com; Jennifer.Devonshire@ghd.c

Prepared By:	Angela Bown	Date:	10/4/2017	Revision No.:		Revision Date:	

GHD Simplified Scope of Work (SSOW)/Laboratory Services Purchase Order

SSOW Ref. Code
11103552-2017-002

Project Name: WT-1 Compressor
GHD Project No./Phase/Task: 11103552
Project Location: Lea County, NM

Phase/Study Title: ISEB Sampling
Event Description: ISEB Sampling

Item	Sample Matrix	Analytical Parameters	Analytical Methods	Unit Prices	Applicable Surcharge Multiplier (1)	Extended Prices	Estimated Sample Qty/Event	Field QC Samples: MS	MSD	Lab Dup	Trip Blk	RBlk	Fld Dup	Other	Total Sample Qty.	Billable Samples	Estimated Cost/Event
Event 1																	
1	Water	VOCs	8260	$120.00	1.00	$ 120.00	3						1		4	4	$480.00
2	Water	Sulfate	300	$ 35.00	1.00	$ 35.00	3								3	3	$105.00
3	Water	Sulfide	SM 4500	$ 40.00	1.00	$ 40.00	3								3	3	$120.00
4	Water	Dissolved methane	8015	$ 35.00	1.00	$ 35.00	3								3	3	$105.00
5	Water	Total Iron	6010	$ 35.00	1.00	$ 35.00	3								3	3	$105.00
6	Water	Dissolved Iron	6010	$ 35.00	1.00	$ 35.00	3								3	3	$105.00

(1) Explanation of Surcharges:

Estimated Event Subtotal: $1,020.00
Laboratory Surcharge(s):
Estimated Event Total Costs: $1,020.00

Lab Contracting Summary:

Governing Terms and Conditions

- ☐ Master Agreement Number:
- ☑ Exhibit "A" Terms and Conditions
- ☐ Client Contract

Party issuing the Purchase Order ("GHD")

- ☑ GHD Services Inc.
- ☐ GHD Limited
- ☐ GHD Consultants Ltée
- ☐ Other (please specify) :

GHD Purchase Order Number:
Name of Client: Energy Transfer Company
Other Additional Insureds: GHD
Governing Law: NM
Currency: USD
Address Invoice to: GHD Services Inc c/o Angela Bown
9033 Meridian Way
West Chester, OH 45069
Electronic Invoice to: angela.bown@ghd.com

Angela Bown — 10/4/2017
(authorized GHD signature) (date signed)

10/4/17
(authorized Vendor signature) (date signed)

Typed name constitutes authorized signature.

Hall Environmental Analysis
Vendor's Full Legal Name

Vendor to provide and deliver all items or services set out or otherwise described below subject to the Governing Terms and Conditions checked above. This Purchase Order ("PO") expressly limits acceptance to such terms and conditions. Any additional or different terms proposed by Vendor are rejected unless expressly agreed to in writing by GHD. To accept this Purchase Order, Vendor must sign, date, and return one copy of this page to issuer before starting any work. Signature of this PO may be sent by facsimile (with confirmation by transmitting machine) and/or transmitted by portable document file (pdf) which shall be treated as an original signature, and any such signature, facsimile, pdf file, or copy of this signed PO shall be valid as an original and shall be binding as if it were the original. Show Purchase order no. on all correspondence, insurance certificates, invoices, and delivery papers.

GHD Simplified Scope of Work (SSOW)/Laboratory Services Purchase Order

SSOW Ref. Code
11103552-2017-001

Project Name: WT-1 Compressor
GHD Project No./Phase/Task: 11103552
Project Location: Lea County, NM

Phase/Study Title: Annual Groundwater Monitoring
Event Description: Annual Groundwater Monitoring

Item	Sample Matrix	Analytical Parameters	Analytical Methods	Unit Prices	Applicable Surcharge Multiplier [1]	Extended Prices	Estimated Sample Qty/Event	Field QC Samples: MS	MSD	Lab Dup	Trip Blk	RBlk	Fld Dup	Other	Total Sample Qty.	Billable Samples	Estimated Cost/Event
Event 1																	
1	Water	VOCs	8260	$120.00	1.00	$ 120.00	17						2		19	19	$2,280.00
2	Water	SVOCs	8270	$150.00	1.00	$ 150.00	17								17	17	$2,550.00
3	Water	Sulfate	300	$ 35.00	1.00	$ 35.00	3								3	3	$105.00
4	Water	Sulfide	SM 4500	$ 40.00	1.00	$ 40.00	3								3	3	$120.00
5	Water	Dissolved methane	8015	$ 35.00	1.00	$ 35.00	3								3	3	$105.00
6	Water	Total Iron	6010	$ 35.00	1.00	$ 35.00	3								3	3	$105.00
7	Water	Dissolved Iron	6010	$ 35.00	1.00	$ 35.00	3								3	3	$105.00

[1] Explanation of Surcharges:

Estimated Event Subtotal: $5,370.00
Laboratory Surcharge(s):
Estimated Event Total Costs: $5,370.00

Lab Contracting Summary:

Governing Terms and Conditions
- ☐ Master Agreement Number:
- ☑ Exhibit "A" Terms and Conditions
- ☐ Client Contract

Party issuing the Purchase Order ("GHD")
- ☑ GHD Services Inc.
- ☐ GHD Limited
- ☐ GHD Consultants Ltée
- ☐ Other (please specify) :

GHD Purchase Order Number:
Name of Client: Energy Transfer Company
Other Additional Insureds:
Governing Law: NM
Currency: USD
Address Invoice to: GHD Services Inc c/o Angela Bown
9033 Meridian Way
West Chester, OH 45069
Electronic Invoice to: angela.bown@ghd.com

D.L Brennan — 4/21/2017
(authorized GHD signature) (date signed)

(authorized Vendor signature) 4/21/17 (date signed)

Typed name constitutes authorized signature.

Hall Environmental Analysis
Vendor's Full Legal Name

Vendor to provide and deliver all items or services set out or otherwise described below subject to the Governing Terms and Conditions checked above. This Purchase Order ("PO") expressly limits acceptance to such terms and conditions. Any additional or different terms proposed by Vendor are rejected unless expressly agreed to in writing by GHD. To accept this Purchase Order, Vendor must sign, date, and return one copy of this page to issuer before starting any work. Signature of this PO may be sent by facsimile (with confirmation by transmitting machine) and/or transmitted by portable document file (pdf) which shall be treated as an original signature, and any such signature, facsimile, pdf file, or copy of this signed PO shall be valid as an original and shall be binding as if it were the original. Show Purchase order no. on all correspondence, insurance certificates, invoices, and delivery papers.

GHD Simplified Scope of Work (SSOW)/Laboratory Services Purchase Order

Project Summary:

Project Name: WT-1 Compressor
GHD Project No./Phase/Task: 11103552
Project Location: Lea County, NM
Client Name: Energy Transfer Company
QAPP Title:

Database Summary:

Database Maintained: ☑Yes ☐No

Database Facility Code: 11103552-GD-Energy

Note: Is there more than one laboratory for this event? (SSOW__ of __) ☐Yes ☑No

SSOW Ref. Code: 11103552-2017-001

FOR INTERNAL USE ONLY - CODING:

Event Summary:

Phase/Study Title: Annual Groundwater Monitoring
Event Description: Annual Groundwater Monitoring
Start Date: 4/24/17
Sampling Duration: 3 days
Sampling Frequency: Annually

Rush TAT: ☑NA
Final Report & EDD TAT: 10 BD
Date Bottles Required: 21-Apr-17
Bottle Shipping Address: Will pick up
Phone Number: Attention:
Sample Batching: sample event

Contacts:

	Name	Address	Phone	Cell	Email
Client Project Manager:	Stacy Boultinghouse	800 Sonterra Blvd, Ste 400, San Antonio, TX 78258	210-870-2725	281.740.0494	Stacy.Boultinghouse@energytransfer.com
Consulting Firm:	GHD Services Inc.				
Project Manager:	Bernard Bockisch	6121 Indian School Rd NE Ste 200	505-884-0672	505-280-0572	bernard.bockisch@ghd.com
Project Coordinator	Christine Mathews	6121 Indian School Rd NE Ste 200	505-884-0672	505-269-0088	christine.mathews@ghd.com
Field Leader:	Charles Neligh	6121 Indian School Rd NE Ste 200	505-884-0672	716-818-0224	Charles.Neligh@ghd.com
Laboratory (Vendor):	Hall Environmental Analysis Laboratory				
Lab Project Manager:	Andy Freeman	4601 Hawkins NE, Ste D Albuquerque, NM 87109	505-345-3975		andy@hallenvironmental.com
Chemistry/Data Mgt. Firm:	GHD Services Inc.				
Chemist :	Bown, Angela	9033 Meridian Way, West Chester, Ohio, 45069	513-942-4750		angela.bown@ghd.com
Database Analyst:	Lidstone, Julie	651 Colby Drive ,Waterloo, Ontario N2V 1C2	519-884-0510		julie.lidstone@ghd.com

Lab Deliverables

EDD Format: ☐GHD EQuIS EZEDD ☑GHD EQuIS 4-file ☐Other (Please Specify)
Hardcopy Level Requested: ☑GHD Standard ☐Expanded ☐Other (Please Specify)

Additional Reporting Requirements

Form 1's include: ☐MDLs ☑PQLs ☐J Values
TICs: ☐Yes ☑No
Soil Reporting: ☐Dry ☐Wet

Lab Deliverables Distribution

Rush TAT Data (email deliverable only) : NA
Final EDD & Result Summary (PDF) : edds@ghd.com / Bernie Bockisch, Christine Mathews, Angela Bown
Final Lab Report ☑PDF ☐CD ☐Hard Copy : Bernie Bockisch, Christine Mathews, Angela Bown

GHD Data Review Level

☐Compliance ☐Reduced Validation ☐Reg III Innovative
☐Full Validation ☐10/90-Full/Innovative ☑Other (Please Specify) None

Data Management Deliverables

☑EQuIS Database ☑Cross Tab Table ☐Flat File ☐Databox ☐Other (please specify):

Data Management Deliverables Distribution

Distribution List: Bernie Bockisch, Christine Mathews

Data Management DV TAT: 5 BD

Database Exports - Reporting down to MDL ☐Yes ☑No

Comments

*** additional Final Lab Report copy (in *.pdf format) is available on GHD's MyPortal Site in the Project File folder or on Program specific SharePoint site; please contact project Chemist

SSOW Email Distribution List:	Stacy.Boultinghouse@energytransfer.com; bernard.bockisch@ghd.com; Charles.Neligh@ghd.com; andy@hallenvironmental.com; angela.bown@ghd.com; julie.lidstone@ghd.com; Jennifer.Devonshire@ghd.com						
Prepared By:	DLBrennan	**Date:**	4/21/2017	**Revision No.:**		**Revision Date:**	

GHD Simplified Scope of Work (SSOW)/Laboratory Services Purchase Order

Project Summary:

Project Name: WT-1 Compressor
GHD Project No./Phase/Task: 11103552
Project Location: Lea County, NM
Client Name: Energy Transfer Company
QAPP Title:

Database Summary:

Database Maintained: ☑Yes ☐No

Database Facility Code: 11103552-GD-Energy

Note: Is there more than one laboratory for this event? (SSOW__ of __) ☐Yes ☑No

SSOW Ref. Code: 11103552-001

FOR INTERNAL USE ONLY - CODING

Event Summary:

Phase/Study Title: Annual Groundwater Monitoring
Event Description: Annual Groundwater Monitoring
Start Date: 4/11/15
Sampling Duration: 3 days
Sampling Frequency: Annually

Rush TAT: ☑NA
Final Report & EDD TAT: 10 BD
Sample Batching: sample event
Date Bottles Required: 8-Apr-16
Bottle Shipping Address: 2602 W. Richey Ave. No 508, Artesia, NM 88210
Phone Number: 575-689-5782
Attention: Steven Perez

Contacts:	Name	Address	Phone	Cell	Email
Client Project Manager:	Stacy Boultinghouse	800 Sonterra Blvd, Ste 400, San Antonio, TX 78258	210-870-2725	281.740.0494	Stacy.Boultinghouse@energytransfer.com
Consulting Firm:	GHD Services Inc.				
Project Manager:	Bernard Bockisch	6121 Indian School Rd NE Ste 200	505-884-0672	505-280-0572	bernard.bockisch@ghd.com
Project Coordinator	Christine Mathews	6121 Indian School Rd NE Ste 200	505-884-0672	505-269-0088	christine.mathews@ghd.com
Field Leader:	Steven Perez	6121 Indian School Rd NE Ste 200	505-884-0672	575-689-5782	steven.perez@ghd.com
Laboratory (Vendor):	Hall Environmental Analysis Laboratory				
Lab Project Manager:	Andy Freeman	4601 Hawkins NE, Ste D Albuquerque, NM 87109	505-345-3975		andy@hallenvironmental.com
Chemistry/Data Mgt. Firm:	GHD Services Inc.				
Chemist :	Bown, Angela	9033 Meridian Way, West Chester, Ohio, 45069	513-942-4750		angela.bown@ghd.com
Database Analyst:	Lidstone, Julie	651 Colby Drive ,Waterloo, Ontario N2V 1C2	519-884-0510		julie.lidstone@ghd.com

Lab Deliverables

EDD Format: ☐GHD EQuIS EZEDD ☑GHD EQuIS 4-file ☐Other (Please Specify)
Hardcopy Level Requested: ☑GHD Standard ☐Expanded ☐Other (Please Specify)

Additional Reporting Requirements

Form 1's include: ☐MDLs ☑PQLs ☐J Values
TICs: ☐Yes ☑No
Soil Reporting: ☐Dry ☐Wet

Lab Deliverables Distribution

Rush TAT Data (email deliverable only) :
Final EDD & Result Summary (PDF) : Bernie Bockisch, Christine Mathews, Angela Bown
Final Lab Report ☑PDF ☐CD ☐Hard Copy : Bernie Bockisch, Christine Mathews, Angela Bown

GHD Data Review Level

☐Compliance ☐Reduced Validation ☐Reg III Innovative
☐Full Validation ☐10/90-Full/Innovative ☑Other (Please Specify) None

Data Management Deliverables ☑EQuIS Database ☑Cross Tab Table ☐Flat File ☐Databox ☐Other (please specify):

Data Management Deliverables Distribution Distribution List: Bernie Bockisch, Christine Mathews

Data Management DV TAT: 5 BD

Database Exports - Reporting down to MDL ☐Yes ☑No

Comments

*** additional Final Lab Report copy (in *.pdf format) is available on GHD's MyPortal Site in the Project File folder or on Program specific SharePoint site; please contact project Chemist

SSOW Email Distribution List:	Stacy.Boultinghouse@energytransfer.com; bernard.bockisch@ghd.com; steven.perez@ghd.com; andy@hallenvironmental.com; angela.bown@ghd.com; julie.lidstone@ghd.com; Jennifer.Devonshire@ghd.c						
Prepared By:	Angela Bown	**Date:**	4/6/2016	**Revision No.:**		**Revision Date:**	

GHD Simplified Scope of Work (SSOW)/Laboratory Services Purchase Order

SSOW Ref. Code
11103552-001

Project Name: WT-1 Compressor
GHD Project No./Phase/Task: 11103552
Project Location: Lea County, NM

Phase/Study Title: Annual Groundwater Monitoring
Event Description: Annual Groundwater Monitoring

Item	Sample Matrix	Analytical Parameters	Analytical Methods	Unit Prices	Applicable Surcharge Multiplier [1]	Extended Prices	Estimated Sample Qty/Event	Field QC Samples: MS	MSD	Lab Dup	Trip Blk	RBlk	Fld Dup	Other	Total Sample Qty.	Billable Samples	Estimated Cost/Event
1	Water	TCL VOCs	SW-846 8260	$ 120.00	1.00	$ 120.00	18				1		1		20	20	$2,400.00
2	Water	TCL SVOCs	SW-846 8270	$ 300.00	1.00	$ 300.00	18						1		19	19	$5,700.00
3	Water	Sulfate	EPA 300.0	$ 25.00	1.00	$ 25.00	18						1		19	19	$475.00
4	Water	Ammonia-Nitrogen	SM4500 NH3	$ 25.00	1.00	$ 25.00	18						1		19	19	$475.00
5	Water	Orthophosphate-Phosphorus	SM4500 P	$ 15.00	1.00	$ 15.00	18						1		19	19	$285.00
6	Water	Nitrate	EPA 353	$ 15.00	1.00	$ 15.00	18						1		19	19	$285.00
7	Water	Total Iron	SW-846 6010	$ 35.00	1.00	$ 35.00	18						1		19	19	$665.00
8	Water	Dissolved Iron	SW-846 6010	$ 35.00	1.00	$ 35.00	18						1		19	19	$665.00
9	Water	Dissolved gases (ethane, ethene, methane)	RSK 175	$ 110.00	1.00	$ 110.00	6								6	6	$660.00
10	Water	total organic carbon	SW-846 9060	$ 35.00	1.00	$ 35.00	6								6	3	$105.00

[1] Explanation of Surcharges:

Estimated Event Subtotal: $11,715.00
Laboratory Surcharge(s):
Estimated Event Total Costs: $11,715.00

Lab Contracting Summary:

Governing Terms and Conditions
- ☐ Master Agreement Number:
- ☑ Exhibit "A" Terms and Conditions
- ☐ Client Contract

Party issuing the Purchase Order ("GHD")
- ☑ GHD Services Inc.
- ☐ GHD Limited
- ☐ GHD Consultants Ltée
- ☐ Other (please specify) :

GHD Purchase Order Number:
Name of Client: Energy Transfer Company
Other Additional Insureds:
Governing Law: NM
Currency: USD
Address Invoice to: GHD Services Inc c/o Angela Bown
9033 Meridian Way
West Chester, OH 45069
Electronic Invoice to: angela.bown@ghd.com

Angela Bown (authorized GHD signature) 4/7/2016 (date signed)

(authorized Vendor signature) 4/11/16 (date signed)

Typed name constitutes authorized signature.

Hall Environmental Analysis
Vendor's Full Legal Name

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Hall Environmental Analysis Laboratory
4901 Hawkins NE
Albuquerque, NM 87109
TEL: 505-345-3975 FAX: 505-345-4107
Website: www.hallenvironmental.com

February 12, 2018

Bernie Bockish
GHD
6121 Indian School Road, NE #200
Albuquerque, NM 87110
TEL: (505) 884-0672
FAX

RE: WT 1 OrderNo.: 1802151

Dear Bernie Bockish:

Hall Environmental Analysis Laboratory received 5 sample(s) on 2/3/2018 for the analyses presented in the following report.

These were analyzed according to EPA procedures or equivalent. To access our accredited tests please go to www.hallenvironmental.com or the state specific web sites. In order to properly interpret your results, it is imperative that you review this report in its entirety. See the sample checklist and/or the Chain of Custody for information regarding the sample receipt temperature and preservation. Data qualifiers or a narrative will be provided if the sample analysis or analytical quality control parameters require a flag. When necessary, data qualifiers are provided on both the sample analysis report and the QC summary report, both sections should be reviewed. All samples are reported, as received, unless otherwise indicated. Lab measurement of analytes considered field parameters that require analysis within 15 minutes of sampling such as pH and residual chlorine are qualified as being analyzed outside of the recommended holding time.

Please don't hesitate to contact HEAL for any additional information or clarifications.

ADHS Cert #AZ0682 -- NMED-DWB Cert #NM9425 -- NMED-Micro Cert #NM0190

Sincerely,

Andy Freeman
Laboratory Manager
4901 Hawkins NE
Albuquerque, NM 87109

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD
Project: WT 1

Lab Order: 1802151

Lab ID: 1802151-001
Collection Date: 2/1/2018 11:20:00 AM
Client Sample ID: GW-11103552-020118-MG-SVE5
Matrix: AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch ID
EPA METHOD 300.0: ANIONS						Analyst: **MRA**	
Sulfate	250	2.5		mg/L	5	2/8/2018 1:41:18 AM	A48979
EPA METHOD 8260B: VOLATILES						Analyst: **RAA**	
Benzene	780	50	P	µg/L	50	2/6/2018 4:33:00 PM	R48978
Toluene	20	5.0	P	µg/L	5	2/6/2018 4:57:00 PM	R48978
Ethylbenzene	130	5.0	P	µg/L	5	2/6/2018 4:57:00 PM	R48978
Methyl tert-butyl ether (MTBE)	ND	5.0	P	µg/L	5	2/6/2018 4:57:00 PM	R48978
1,2,4-Trimethylbenzene	590	50	P	µg/L	50	2/6/2018 4:33:00 PM	R48978
1,3,5-Trimethylbenzene	14	5.0	P	µg/L	5	2/6/2018 4:57:00 PM	R48978
1,2-Dichloroethane (EDC)	ND	5.0	P	µg/L	5	2/6/2018 4:57:00 PM	R48978
1,2-Dibromoethane (EDB)	ND	5.0	P	µg/L	5	2/6/2018 4:57:00 PM	R48978
Naphthalene	58	10	P	µg/L	5	2/6/2018 4:57:00 PM	R48978
1-Methylnaphthalene	39	20	P	µg/L	5	2/6/2018 4:57:00 PM	R48978
2-Methylnaphthalene	56	20	P	µg/L	5	2/6/2018 4:57:00 PM	R48978
Acetone	98	50	P	µg/L	5	2/6/2018 4:57:00 PM	R48978
Bromobenzene	ND	5.0	P	µg/L	5	2/6/2018 4:57:00 PM	R48978
Bromodichloromethane	ND	5.0	P	µg/L	5	2/6/2018 4:57:00 PM	R48978
Bromoform	ND	5.0	P	µg/L	5	2/6/2018 4:57:00 PM	R48978
Bromomethane	ND	15	P	µg/L	5	2/6/2018 4:57:00 PM	R48978
2-Butanone	ND	50	P	µg/L	5	2/6/2018 4:57:00 PM	R48978
Carbon disulfide	ND	50	P	µg/L	5	2/6/2018 4:57:00 PM	R48978
Carbon Tetrachloride	ND	5.0	P	µg/L	5	2/6/2018 4:57:00 PM	R48978
Chlorobenzene	ND	5.0	P	µg/L	5	2/6/2018 4:57:00 PM	R48978
Chloroethane	ND	10	P	µg/L	5	2/6/2018 4:57:00 PM	R48978
Chloroform	ND	5.0	P	µg/L	5	2/6/2018 4:57:00 PM	R48978
Chloromethane	ND	15	P	µg/L	5	2/6/2018 4:57:00 PM	R48978
2-Chlorotoluene	ND	5.0	P	µg/L	5	2/6/2018 4:57:00 PM	R48978
4-Chlorotoluene	ND	5.0	P	µg/L	5	2/6/2018 4:57:00 PM	R48978
cis-1,2-DCE	ND	5.0	P	µg/L	5	2/6/2018 4:57:00 PM	R48978
cis-1,3-Dichloropropene	ND	5.0	P	µg/L	5	2/6/2018 4:57:00 PM	R48978
1,2-Dibromo-3-chloropropane	ND	10	P	µg/L	5	2/6/2018 4:57:00 PM	R48978
Dibromochloromethane	ND	5.0	P	µg/L	5	2/6/2018 4:57:00 PM	R48978
Dibromomethane	ND	5.0	P	µg/L	5	2/6/2018 4:57:00 PM	R48978
1,2-Dichlorobenzene	ND	5.0	P	µg/L	5	2/6/2018 4:57:00 PM	R48978
1,3-Dichlorobenzene	ND	5.0	P	µg/L	5	2/6/2018 4:57:00 PM	R48978
1,4-Dichlorobenzene	ND	5.0	P	µg/L	5	2/6/2018 4:57:00 PM	R48978
Dichlorodifluoromethane	ND	5.0	P	µg/L	5	2/6/2018 4:57:00 PM	R48978
1,1-Dichloroethane	ND	5.0	P	µg/L	5	2/6/2018 4:57:00 PM	R48978
1,1-Dichloroethene	ND	5.0	P	µg/L	5	2/6/2018 4:57:00 PM	R48978

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Detection Limit
S	% Recovery outside of range due to dilution or matrix	W	Sample container temperature is out of limit as specified

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD
Project: WT 1

Lab Order: 1802151

EPA METHOD 8260B: VOLATILES

Analyst: **RAA**

1,2-Dichloropropane	ND	5.0	P	µg/L	5	2/6/2018 4:57:00 PM	R48978
1,3-Dichloropropane	ND	5.0	P	µg/L	5	2/6/2018 4:57:00 PM	R48978
2,2-Dichloropropane	ND	10	P	µg/L	5	2/6/2018 4:57:00 PM	R48978
1,1-Dichloropropene	ND	5.0	P	µg/L	5	2/6/2018 4:57:00 PM	R48978
Hexachlorobutadiene	ND	5.0	P	µg/L	5	2/6/2018 4:57:00 PM	R48978
2-Hexanone	ND	50	P	µg/L	5	2/6/2018 4:57:00 PM	R48978
Isopropylbenzene	41	5.0	P	µg/L	5	2/6/2018 4:57:00 PM	R48978
4-Isopropyltoluene	18	5.0	P	µg/L	5	2/6/2018 4:57:00 PM	R48978
4-Methyl-2-pentanone	ND	50	P	µg/L	5	2/6/2018 4:57:00 PM	R48978
Methylene Chloride	ND	15	P	µg/L	5	2/6/2018 4:57:00 PM	R48978
n-Butylbenzene	ND	15	P	µg/L	5	2/6/2018 4:57:00 PM	R48978
n-Propylbenzene	56	5.0	P	µg/L	5	2/6/2018 4:57:00 PM	R48978
sec-Butylbenzene	20	5.0	P	µg/L	5	2/6/2018 4:57:00 PM	R48978
Styrene	ND	5.0	P	µg/L	5	2/6/2018 4:57:00 PM	R48978
tert-Butylbenzene	ND	5.0	P	µg/L	5	2/6/2018 4:57:00 PM	R48978
1,1,1,2-Tetrachloroethane	ND	5.0	P	µg/L	5	2/6/2018 4:57:00 PM	R48978
1,1,2,2-Tetrachloroethane	ND	10	P	µg/L	5	2/6/2018 4:57:00 PM	R48978
Tetrachloroethene (PCE)	ND	5.0	P	µg/L	5	2/6/2018 4:57:00 PM	R48978
trans-1,2-DCE	ND	5.0	P	µg/L	5	2/6/2018 4:57:00 PM	R48978
trans-1,3-Dichloropropene	ND	5.0	P	µg/L	5	2/6/2018 4:57:00 PM	R48978
1,2,3-Trichlorobenzene	ND	5.0	P	µg/L	5	2/6/2018 4:57:00 PM	R48978
1,2,4-Trichlorobenzene	ND	5.0	P	µg/L	5	2/6/2018 4:57:00 PM	R48978
1,1,1-Trichloroethane	ND	5.0	P	µg/L	5	2/6/2018 4:57:00 PM	R48978
1,1,2-Trichloroethane	ND	5.0	P	µg/L	5	2/6/2018 4:57:00 PM	R48978
Trichloroethene (TCE)	ND	5.0	P	µg/L	5	2/6/2018 4:57:00 PM	R48978
Trichlorofluoromethane	ND	5.0	P	µg/L	5	2/6/2018 4:57:00 PM	R48978
1,2,3-Trichloropropane	ND	10	P	µg/L	5	2/6/2018 4:57:00 PM	R48978
Vinyl chloride	ND	5.0	P	µg/L	5	2/6/2018 4:57:00 PM	R48978
Xylenes, Total	550	7.5	P	µg/L	5	2/6/2018 4:57:00 PM	R48978
Surr: 1,2-Dichloroethane-d4	83.4	70-130	P	%Rec	5	2/6/2018 4:57:00 PM	R48978
Surr: 4-Bromofluorobenzene	78.9	70-130	P	%Rec	5	2/6/2018 4:57:00 PM	R48978
Surr: Dibromofluoromethane	84.6	70-130	P	%Rec	5	2/6/2018 4:57:00 PM	R48978
Surr: Toluene-d8	84.4	70-130	P	%Rec	5	2/6/2018 4:57:00 PM	R48978

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Detection Limit
S	% Recovery outside of range due to dilution or matrix	W	Sample container temperature is out of limit as specified

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD
Project: WT 1

Lab Order: 1802151

Lab ID: 1802151-002
Collection Date: 2/1/2018 11:50:00 AM
Client Sample ID: GW-11103552-020118-MG-SVE13
Matrix: AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch ID
EPA METHOD 300.0: ANIONS						Analyst: **MRA**	
Sulfate	700	10	*	mg/L	20	2/8/2018 3:08:09 AM	A48979
EPA METHOD 8260B: VOLATILES						Analyst: **RAA**	
Benzene	450	10		µg/L	10	2/8/2018 3:29:00 PM	R48997
Toluene	ND	10		µg/L	10	2/8/2018 3:29:00 PM	R48997
Ethylbenzene	80	10		µg/L	10	2/8/2018 3:29:00 PM	R48997
Methyl tert-butyl ether (MTBE)	ND	10		µg/L	10	2/8/2018 3:29:00 PM	R48997
1,2,4-Trimethylbenzene	ND	10		µg/L	10	2/8/2018 3:29:00 PM	R48997
1,3,5-Trimethylbenzene	ND	10		µg/L	10	2/8/2018 3:29:00 PM	R48997
1,2-Dichloroethane (EDC)	ND	10		µg/L	10	2/8/2018 3:29:00 PM	R48997
1,2-Dibromoethane (EDB)	ND	10		µg/L	10	2/8/2018 3:29:00 PM	R48997
Naphthalene	ND	20		µg/L	10	2/8/2018 3:29:00 PM	R48997
1-Methylnaphthalene	ND	40		µg/L	10	2/8/2018 3:29:00 PM	R48997
2-Methylnaphthalene	ND	40		µg/L	10	2/8/2018 3:29:00 PM	R48997
Acetone	ND	100		µg/L	10	2/8/2018 3:29:00 PM	R48997
Bromobenzene	ND	10		µg/L	10	2/8/2018 3:29:00 PM	R48997
Bromodichloromethane	ND	10		µg/L	10	2/8/2018 3:29:00 PM	R48997
Bromoform	ND	10		µg/L	10	2/8/2018 3:29:00 PM	R48997
Bromomethane	ND	30		µg/L	10	2/8/2018 3:29:00 PM	R48997
2-Butanone	ND	100		µg/L	10	2/8/2018 3:29:00 PM	R48997
Carbon disulfide	ND	100		µg/L	10	2/8/2018 3:29:00 PM	R48997
Carbon Tetrachloride	ND	10		µg/L	10	2/8/2018 3:29:00 PM	R48997
Chlorobenzene	ND	10		µg/L	10	2/8/2018 3:29:00 PM	R48997
Chloroethane	ND	20		µg/L	10	2/8/2018 3:29:00 PM	R48997
Chloroform	ND	10		µg/L	10	2/8/2018 3:29:00 PM	R48997
Chloromethane	ND	30		µg/L	10	2/8/2018 3:29:00 PM	R48997
2-Chlorotoluene	ND	10		µg/L	10	2/8/2018 3:29:00 PM	R48997
4-Chlorotoluene	ND	10		µg/L	10	2/8/2018 3:29:00 PM	R48997
cis-1,2-DCE	ND	10		µg/L	10	2/8/2018 3:29:00 PM	R48997
cis-1,3-Dichloropropene	ND	10		µg/L	10	2/8/2018 3:29:00 PM	R48997
1,2-Dibromo-3-chloropropane	ND	20		µg/L	10	2/8/2018 3:29:00 PM	R48997
Dibromochloromethane	ND	10		µg/L	10	2/8/2018 3:29:00 PM	R48997
Dibromomethane	ND	10		µg/L	10	2/8/2018 3:29:00 PM	R48997
1,2-Dichlorobenzene	ND	10		µg/L	10	2/8/2018 3:29:00 PM	R48997
1,3-Dichlorobenzene	ND	10		µg/L	10	2/8/2018 3:29:00 PM	R48997
1,4-Dichlorobenzene	ND	10		µg/L	10	2/8/2018 3:29:00 PM	R48997
Dichlorodifluoromethane	ND	10		µg/L	10	2/8/2018 3:29:00 PM	R48997
1,1-Dichloroethane	ND	10		µg/L	10	2/8/2018 3:29:00 PM	R48997
1,1-Dichloroethene	ND	10		µg/L	10	2/8/2018 3:29:00 PM	R48997

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Detection Limit
S	% Recovery outside of range due to dilution or matrix	W	Sample container temperature is out of limit as specified

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD
Project: WT 1

Lab Order: 1802151

EPA METHOD 8260B: VOLATILES

Analyst: **RAA**

1,2-Dichloropropane	ND	10	µg/L	10	2/8/2018 3:29:00 PM	R48997
1,3-Dichloropropane	ND	10	µg/L	10	2/8/2018 3:29:00 PM	R48997
2,2-Dichloropropane	ND	20	µg/L	10	2/8/2018 3:29:00 PM	R48997
1,1-Dichloropropene	ND	10	µg/L	10	2/8/2018 3:29:00 PM	R48997
Hexachlorobutadiene	ND	10	µg/L	10	2/8/2018 3:29:00 PM	R48997
2-Hexanone	ND	100	µg/L	10	2/8/2018 3:29:00 PM	R48997
Isopropylbenzene	17	10	µg/L	10	2/8/2018 3:29:00 PM	R48997
4-Isopropyltoluene	ND	10	µg/L	10	2/8/2018 3:29:00 PM	R48997
4-Methyl-2-pentanone	ND	100	µg/L	10	2/8/2018 3:29:00 PM	R48997
Methylene Chloride	ND	30	µg/L	10	2/8/2018 3:29:00 PM	R48997
n-Butylbenzene	ND	30	µg/L	10	2/8/2018 3:29:00 PM	R48997
n-Propylbenzene	14	10	µg/L	10	2/8/2018 3:29:00 PM	R48997
sec-Butylbenzene	ND	10	µg/L	10	2/8/2018 3:29:00 PM	R48997
Styrene	ND	10	µg/L	10	2/8/2018 3:29:00 PM	R48997
tert-Butylbenzene	ND	10	µg/L	10	2/8/2018 3:29:00 PM	R48997
1,1,1,2-Tetrachloroethane	ND	10	µg/L	10	2/8/2018 3:29:00 PM	R48997
1,1,2,2-Tetrachloroethane	ND	20	µg/L	10	2/8/2018 3:29:00 PM	R48997
Tetrachloroethene (PCE)	ND	10	µg/L	10	2/8/2018 3:29:00 PM	R48997
trans-1,2-DCE	ND	10	µg/L	10	2/8/2018 3:29:00 PM	R48997
trans-1,3-Dichloropropene	ND	10	µg/L	10	2/8/2018 3:29:00 PM	R48997
1,2,3-Trichlorobenzene	ND	10	µg/L	10	2/8/2018 3:29:00 PM	R48997
1,2,4-Trichlorobenzene	ND	10	µg/L	10	2/8/2018 3:29:00 PM	R48997
1,1,1-Trichloroethane	ND	10	µg/L	10	2/8/2018 3:29:00 PM	R48997
1,1,2-Trichloroethane	ND	10	µg/L	10	2/8/2018 3:29:00 PM	R48997
Trichloroethene (TCE)	ND	10	µg/L	10	2/8/2018 3:29:00 PM	R48997
Trichlorofluoromethane	ND	10	µg/L	10	2/8/2018 3:29:00 PM	R48997
1,2,3-Trichloropropane	ND	20	µg/L	10	2/8/2018 3:29:00 PM	R48997
Vinyl chloride	ND	10	µg/L	10	2/8/2018 3:29:00 PM	R48997
Xylenes, Total	ND	15	µg/L	10	2/8/2018 3:29:00 PM	R48997
Surr: 1,2-Dichloroethane-d4	84.0	70-130	%Rec	10	2/8/2018 3:29:00 PM	R48997
Surr: 4-Bromofluorobenzene	76.2	70-130	%Rec	10	2/8/2018 3:29:00 PM	R48997
Surr: Dibromofluoromethane	88.2	70-130	%Rec	10	2/8/2018 3:29:00 PM	R48997
Surr: Toluene-d8	87.2	70-130	%Rec	10	2/8/2018 3:29:00 PM	R48997

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Detection Limit
S	% Recovery outside of range due to dilution or matrix	W	Sample container temperature is out of limit as specified

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD
Project: WT 1

Lab Order: 1802151

Lab ID: 1802151-003
Collection Date: 2/1/2018 12:30:00 PM
Client Sample ID: GW-11103552-020118-MG-SVE14
Matrix: AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch ID
EPA METHOD 300.0: ANIONS						Analyst: **MRA**	
Sulfate	160	2.5		mg/L	5	2/8/2018 3:20:33 AM	A48979
EPA METHOD 8260B: VOLATILES						Analyst: **RAA**	
Benzene	83	1.0		µg/L	1	2/6/2018 6:56:00 PM	R48978
Toluene	ND	1.0		µg/L	1	2/6/2018 6:56:00 PM	R48978
Ethylbenzene	39	1.0		µg/L	1	2/6/2018 6:56:00 PM	R48978
Methyl tert-butyl ether (MTBE)	ND	1.0		µg/L	1	2/6/2018 6:56:00 PM	R48978
1,2,4-Trimethylbenzene	160	10		µg/L	10	2/8/2018 3:53:00 PM	R48997
1,3,5-Trimethylbenzene	84	1.0		µg/L	1	2/6/2018 6:56:00 PM	R48978
1,2-Dichloroethane (EDC)	ND	1.0		µg/L	1	2/6/2018 6:56:00 PM	R48978
1,2-Dibromoethane (EDB)	ND	1.0		µg/L	1	2/6/2018 6:56:00 PM	R48978
Naphthalene	5.3	2.0		µg/L	1	2/6/2018 6:56:00 PM	R48978
1-Methylnaphthalene	9.1	4.0		µg/L	1	2/6/2018 6:56:00 PM	R48978
2-Methylnaphthalene	4.3	4.0		µg/L	1	2/6/2018 6:56:00 PM	R48978
Acetone	ND	10		µg/L	1	2/6/2018 6:56:00 PM	R48978
Bromobenzene	ND	1.0		µg/L	1	2/6/2018 6:56:00 PM	R48978
Bromodichloromethane	ND	1.0		µg/L	1	2/6/2018 6:56:00 PM	R48978
Bromoform	ND	1.0		µg/L	1	2/6/2018 6:56:00 PM	R48978
Bromomethane	ND	3.0		µg/L	1	2/6/2018 6:56:00 PM	R48978
2-Butanone	ND	10		µg/L	1	2/6/2018 6:56:00 PM	R48978
Carbon disulfide	ND	10		µg/L	1	2/6/2018 6:56:00 PM	R48978
Carbon Tetrachloride	ND	1.0		µg/L	1	2/6/2018 6:56:00 PM	R48978
Chlorobenzene	ND	1.0		µg/L	1	2/6/2018 6:56:00 PM	R48978
Chloroethane	ND	2.0		µg/L	1	2/6/2018 6:56:00 PM	R48978
Chloroform	ND	1.0		µg/L	1	2/6/2018 6:56:00 PM	R48978
Chloromethane	ND	3.0		µg/L	1	2/6/2018 6:56:00 PM	R48978
2-Chlorotoluene	ND	1.0		µg/L	1	2/6/2018 6:56:00 PM	R48978
4-Chlorotoluene	ND	1.0		µg/L	1	2/6/2018 6:56:00 PM	R48978
cis-1,2-DCE	ND	1.0		µg/L	1	2/6/2018 6:56:00 PM	R48978
cis-1,3-Dichloropropene	ND	1.0		µg/L	1	2/6/2018 6:56:00 PM	R48978
1,2-Dibromo-3-chloropropane	ND	2.0		µg/L	1	2/6/2018 6:56:00 PM	R48978
Dibromochloromethane	ND	1.0		µg/L	1	2/6/2018 6:56:00 PM	R48978
Dibromomethane	ND	1.0		µg/L	1	2/6/2018 6:56:00 PM	R48978
1,2-Dichlorobenzene	ND	1.0		µg/L	1	2/6/2018 6:56:00 PM	R48978
1,3-Dichlorobenzene	ND	1.0		µg/L	1	2/6/2018 6:56:00 PM	R48978
1,4-Dichlorobenzene	ND	1.0		µg/L	1	2/6/2018 6:56:00 PM	R48978
Dichlorodifluoromethane	ND	1.0		µg/L	1	2/6/2018 6:56:00 PM	R48978
1,1-Dichloroethane	ND	1.0		µg/L	1	2/6/2018 6:56:00 PM	R48978
1,1-Dichloroethene	ND	1.0		µg/L	1	2/6/2018 6:56:00 PM	R48978

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Detection Limit
S	% Recovery outside of range due to dilution or matrix	W	Sample container temperature is out of limit as specified

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD
Project: WT 1

Lab Order: 1802151

EPA METHOD 8260B: VOLATILES

Analyst: **RAA**

1,2-Dichloropropane	ND	1.0	µg/L	1	2/6/2018 6:56:00 PM	R48978
1,3-Dichloropropane	ND	1.0	µg/L	1	2/6/2018 6:56:00 PM	R48978
2,2-Dichloropropane	ND	2.0	µg/L	1	2/6/2018 6:56:00 PM	R48978
1,1-Dichloropropene	ND	1.0	µg/L	1	2/6/2018 6:56:00 PM	R48978
Hexachlorobutadiene	ND	1.0	µg/L	1	2/6/2018 6:56:00 PM	R48978
2-Hexanone	ND	10	µg/L	1	2/6/2018 6:56:00 PM	R48978
Isopropylbenzene	13	1.0	µg/L	1	2/6/2018 6:56:00 PM	R48978
4-Isopropyltoluene	6.0	1.0	µg/L	1	2/6/2018 6:56:00 PM	R48978
4-Methyl-2-pentanone	ND	10	µg/L	1	2/6/2018 6:56:00 PM	R48978
Methylene Chloride	ND	3.0	µg/L	1	2/6/2018 6:56:00 PM	R48978
n-Butylbenzene	4.3	3.0	µg/L	1	2/6/2018 6:56:00 PM	R48978
n-Propylbenzene	19	1.0	µg/L	1	2/6/2018 6:56:00 PM	R48978
sec-Butylbenzene	7.6	1.0	µg/L	1	2/6/2018 6:56:00 PM	R48978
Styrene	ND	1.0	µg/L	1	2/6/2018 6:56:00 PM	R48978
tert-Butylbenzene	1.1	1.0	µg/L	1	2/6/2018 6:56:00 PM	R48978
1,1,1,2-Tetrachloroethane	ND	1.0	µg/L	1	2/6/2018 6:56:00 PM	R48978
1,1,2,2-Tetrachloroethane	ND	2.0	µg/L	1	2/6/2018 6:56:00 PM	R48978
Tetrachloroethene (PCE)	ND	1.0	µg/L	1	2/6/2018 6:56:00 PM	R48978
trans-1,2-DCE	ND	1.0	µg/L	1	2/6/2018 6:56:00 PM	R48978
trans-1,3-Dichloropropene	ND	1.0	µg/L	1	2/6/2018 6:56:00 PM	R48978
1,2,3-Trichlorobenzene	ND	1.0	µg/L	1	2/6/2018 6:56:00 PM	R48978
1,2,4-Trichlorobenzene	ND	1.0	µg/L	1	2/6/2018 6:56:00 PM	R48978
1,1,1-Trichloroethane	ND	1.0	µg/L	1	2/6/2018 6:56:00 PM	R48978
1,1,2-Trichloroethane	ND	1.0	µg/L	1	2/6/2018 6:56:00 PM	R48978
Trichloroethene (TCE)	ND	1.0	µg/L	1	2/6/2018 6:56:00 PM	R48978
Trichlorofluoromethane	ND	1.0	µg/L	1	2/6/2018 6:56:00 PM	R48978
1,2,3-Trichloropropane	ND	2.0	µg/L	1	2/6/2018 6:56:00 PM	R48978
Vinyl chloride	ND	1.0	µg/L	1	2/6/2018 6:56:00 PM	R48978
Xylenes, Total	110	1.5	µg/L	1	2/6/2018 6:56:00 PM	R48978
Surr: 1,2-Dichloroethane-d4	82.8	70-130	%Rec	1	2/6/2018 6:56:00 PM	R48978
Surr: 4-Bromofluorobenzene	80.5	70-130	%Rec	1	2/6/2018 6:56:00 PM	R48978
Surr: Dibromofluoromethane	85.2	70-130	%Rec	1	2/6/2018 6:56:00 PM	R48978
Surr: Toluene-d8	80.3	70-130	%Rec	1	2/6/2018 6:56:00 PM	R48978

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Detection Limit
S	% Recovery outside of range due to dilution or matrix	W	Sample container temperature is out of limit as specified

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD
Project: WT 1

Lab Order: 1802151

Lab ID: 1802151-004
Collection Date: 2/1/2018 1:15:00 PM
Client Sample ID: GW-11103552-020118-MG-MW10
Matrix: AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch ID
EPA METHOD 300.0: ANIONS						Analyst: **MRA**	
Sulfate	900	10	*	mg/L	20	2/8/2018 3:57:47 AM	A48979
EPA METHOD 8260B: VOLATILES						Analyst: **RAA**	
Benzene	5900	500		µg/L	500	2/8/2018 4:17:00 PM	R48997
Toluene	23	5.0	P	µg/L	5	2/6/2018 7:44:00 PM	R48978
Ethylbenzene	390	5.0	P	µg/L	5	2/6/2018 7:44:00 PM	R48978
Methyl tert-butyl ether (MTBE)	ND	5.0	P	µg/L	5	2/6/2018 7:44:00 PM	R48978
1,2,4-Trimethylbenzene	390	50	P	µg/L	50	2/6/2018 7:20:00 PM	R48978
1,3,5-Trimethylbenzene	300	5.0	P	µg/L	5	2/6/2018 7:44:00 PM	R48978
1,2-Dichloroethane (EDC)	ND	5.0	P	µg/L	5	2/6/2018 7:44:00 PM	R48978
1,2-Dibromoethane (EDB)	ND	5.0	P	µg/L	5	2/6/2018 7:44:00 PM	R48978
Naphthalene	51	10	P	µg/L	5	2/6/2018 7:44:00 PM	R48978
1-Methylnaphthalene	30	20	P	µg/L	5	2/6/2018 7:44:00 PM	R48978
2-Methylnaphthalene	34	20	P	µg/L	5	2/6/2018 7:44:00 PM	R48978
Acetone	53	50	P	µg/L	5	2/6/2018 7:44:00 PM	R48978
Bromobenzene	ND	5.0	P	µg/L	5	2/6/2018 7:44:00 PM	R48978
Bromodichloromethane	ND	5.0	P	µg/L	5	2/6/2018 7:44:00 PM	R48978
Bromoform	ND	5.0	P	µg/L	5	2/6/2018 7:44:00 PM	R48978
Bromomethane	ND	15	P	µg/L	5	2/6/2018 7:44:00 PM	R48978
2-Butanone	ND	50	P	µg/L	5	2/6/2018 7:44:00 PM	R48978
Carbon disulfide	ND	50	P	µg/L	5	2/6/2018 7:44:00 PM	R48978
Carbon Tetrachloride	ND	5.0	P	µg/L	5	2/6/2018 7:44:00 PM	R48978
Chlorobenzene	ND	5.0	P	µg/L	5	2/6/2018 7:44:00 PM	R48978
Chloroethane	ND	10	P	µg/L	5	2/6/2018 7:44:00 PM	R48978
Chloroform	ND	5.0	P	µg/L	5	2/6/2018 7:44:00 PM	R48978
Chloromethane	ND	15	P	µg/L	5	2/6/2018 7:44:00 PM	R48978
2-Chlorotoluene	ND	5.0	P	µg/L	5	2/6/2018 7:44:00 PM	R48978
4-Chlorotoluene	ND	5.0	P	µg/L	5	2/6/2018 7:44:00 PM	R48978
cis-1,2-DCE	ND	5.0	P	µg/L	5	2/6/2018 7:44:00 PM	R48978
cis-1,3-Dichloropropene	ND	5.0	P	µg/L	5	2/6/2018 7:44:00 PM	R48978
1,2-Dibromo-3-chloropropane	ND	10	P	µg/L	5	2/6/2018 7:44:00 PM	R48978
Dibromochloromethane	ND	5.0	P	µg/L	5	2/6/2018 7:44:00 PM	R48978
Dibromomethane	ND	5.0	P	µg/L	5	2/6/2018 7:44:00 PM	R48978
1,2-Dichlorobenzene	ND	5.0	P	µg/L	5	2/6/2018 7:44:00 PM	R48978
1,3-Dichlorobenzene	ND	5.0	P	µg/L	5	2/6/2018 7:44:00 PM	R48978
1,4-Dichlorobenzene	ND	5.0	P	µg/L	5	2/6/2018 7:44:00 PM	R48978
Dichlorodifluoromethane	ND	5.0	P	µg/L	5	2/6/2018 7:44:00 PM	R48978
1,1-Dichloroethane	ND	5.0	P	µg/L	5	2/6/2018 7:44:00 PM	R48978
1,1-Dichloroethene	ND	5.0	P	µg/L	5	2/6/2018 7:44:00 PM	R48978

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Detection Limit
S	% Recovery outside of range due to dilution or matrix	W	Sample container temperature is out of limit as specified

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD
Project: WT 1

Lab Order: 1802151

EPA METHOD 8260B: VOLATILES

Analyst: **RAA**

1,2-Dichloropropane	ND	5.0	P	µg/L	5	2/6/2018 7:44:00 PM	R48978
1,3-Dichloropropane	ND	5.0	P	µg/L	5	2/6/2018 7:44:00 PM	R48978
2,2-Dichloropropane	ND	10	P	µg/L	5	2/6/2018 7:44:00 PM	R48978
1,1-Dichloropropene	ND	5.0	P	µg/L	5	2/6/2018 7:44:00 PM	R48978
Hexachlorobutadiene	ND	5.0	P	µg/L	5	2/6/2018 7:44:00 PM	R48978
2-Hexanone	ND	50	P	µg/L	5	2/6/2018 7:44:00 PM	R48978
Isopropylbenzene	45	5.0	P	µg/L	5	2/6/2018 7:44:00 PM	R48978
4-Isopropyltoluene	18	5.0	P	µg/L	5	2/6/2018 7:44:00 PM	R48978
4-Methyl-2-pentanone	120	50	P	µg/L	5	2/6/2018 7:44:00 PM	R48978
Methylene Chloride	ND	15	P	µg/L	5	2/6/2018 7:44:00 PM	R48978
n-Butylbenzene	16	15	P	µg/L	5	2/6/2018 7:44:00 PM	R48978
n-Propylbenzene	67	5.0	P	µg/L	5	2/6/2018 7:44:00 PM	R48978
sec-Butylbenzene	18	5.0	P	µg/L	5	2/6/2018 7:44:00 PM	R48978
Styrene	ND	5.0	P	µg/L	5	2/6/2018 7:44:00 PM	R48978
tert-Butylbenzene	ND	5.0	P	µg/L	5	2/6/2018 7:44:00 PM	R48978
1,1,1,2-Tetrachloroethane	ND	5.0	P	µg/L	5	2/6/2018 7:44:00 PM	R48978
1,1,2,2-Tetrachloroethane	ND	10	P	µg/L	5	2/6/2018 7:44:00 PM	R48978
Tetrachloroethene (PCE)	ND	5.0	P	µg/L	5	2/6/2018 7:44:00 PM	R48978
trans-1,2-DCE	ND	5.0	P	µg/L	5	2/6/2018 7:44:00 PM	R48978
trans-1,3-Dichloropropene	ND	5.0	P	µg/L	5	2/6/2018 7:44:00 PM	R48978
1,2,3-Trichlorobenzene	ND	5.0	P	µg/L	5	2/6/2018 7:44:00 PM	R48978
1,2,4-Trichlorobenzene	ND	5.0	P	µg/L	5	2/6/2018 7:44:00 PM	R48978
1,1,1-Trichloroethane	ND	5.0	P	µg/L	5	2/6/2018 7:44:00 PM	R48978
1,1,2-Trichloroethane	ND	5.0	P	µg/L	5	2/6/2018 7:44:00 PM	R48978
Trichloroethene (TCE)	ND	5.0	P	µg/L	5	2/6/2018 7:44:00 PM	R48978
Trichlorofluoromethane	ND	5.0	P	µg/L	5	2/6/2018 7:44:00 PM	R48978
1,2,3-Trichloropropane	ND	10	P	µg/L	5	2/6/2018 7:44:00 PM	R48978
Vinyl chloride	ND	5.0	P	µg/L	5	2/6/2018 7:44:00 PM	R48978
Xylenes, Total	2000	75	P	µg/L	50	2/6/2018 7:20:00 PM	R48978
Surr: 1,2-Dichloroethane-d4	84.8	70-130	P	%Rec	5	2/6/2018 7:44:00 PM	R48978
Surr: 4-Bromofluorobenzene	81.5	70-130	P	%Rec	5	2/6/2018 7:44:00 PM	R48978
Surr: Dibromofluoromethane	85.2	70-130	P	%Rec	5	2/6/2018 7:44:00 PM	R48978
Surr: Toluene-d8	82.9	70-130	P	%Rec	5	2/6/2018 7:44:00 PM	R48978

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Detection Limit
S	% Recovery outside of range due to dilution or matrix	W	Sample container temperature is out of limit as specified

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD
Project: WT 1

Lab Order: 1802151

Lab ID: 1802151-005
Collection Date: 2/1/2018
Client Sample ID: GW-11103552-020118-MG-DUP
Matrix: AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch ID
EPA METHOD 300.0: ANIONS						Analyst: **MRA**	
Sulfate	170	2.5		mg/L	5	2/8/2018 4:10:12 AM	A48979
EPA METHOD 8260B: VOLATILES						Analyst: **RAA**	
Benzene	85	2.0		µg/L	2	2/8/2018 4:41:00 PM	R48997
Toluene	ND	2.0		µg/L	2	2/8/2018 4:41:00 PM	R48997
Ethylbenzene	47	2.0		µg/L	2	2/8/2018 4:41:00 PM	R48997
Methyl tert-butyl ether (MTBE)	ND	2.0		µg/L	2	2/8/2018 4:41:00 PM	R48997
1,2,4-Trimethylbenzene	94	2.0		µg/L	2	2/8/2018 4:41:00 PM	R48997
1,3,5-Trimethylbenzene	76	2.0		µg/L	2	2/8/2018 4:41:00 PM	R48997
1,2-Dichloroethane (EDC)	ND	2.0		µg/L	2	2/8/2018 4:41:00 PM	R48997
1,2-Dibromoethane (EDB)	ND	2.0		µg/L	2	2/8/2018 4:41:00 PM	R48997
Naphthalene	4.8	4.0		µg/L	2	2/8/2018 4:41:00 PM	R48997
1-Methylnaphthalene	ND	8.0		µg/L	2	2/8/2018 4:41:00 PM	R48997
2-Methylnaphthalene	ND	8.0		µg/L	2	2/8/2018 4:41:00 PM	R48997
Acetone	ND	20		µg/L	2	2/8/2018 4:41:00 PM	R48997
Bromobenzene	ND	2.0		µg/L	2	2/8/2018 4:41:00 PM	R48997
Bromodichloromethane	ND	2.0		µg/L	2	2/8/2018 4:41:00 PM	R48997
Bromoform	ND	2.0		µg/L	2	2/8/2018 4:41:00 PM	R48997
Bromomethane	ND	6.0		µg/L	2	2/8/2018 4:41:00 PM	R48997
2-Butanone	ND	20		µg/L	2	2/8/2018 4:41:00 PM	R48997
Carbon disulfide	ND	20		µg/L	2	2/8/2018 4:41:00 PM	R48997
Carbon Tetrachloride	ND	2.0		µg/L	2	2/8/2018 4:41:00 PM	R48997
Chlorobenzene	ND	2.0		µg/L	2	2/8/2018 4:41:00 PM	R48997
Chloroethane	ND	4.0		µg/L	2	2/8/2018 4:41:00 PM	R48997
Chloroform	ND	2.0		µg/L	2	2/8/2018 4:41:00 PM	R48997
Chloromethane	ND	6.0		µg/L	2	2/8/2018 4:41:00 PM	R48997
2-Chlorotoluene	ND	2.0		µg/L	2	2/8/2018 4:41:00 PM	R48997
4-Chlorotoluene	ND	2.0		µg/L	2	2/8/2018 4:41:00 PM	R48997
cis-1,2-DCE	ND	2.0		µg/L	2	2/8/2018 4:41:00 PM	R48997
cis-1,3-Dichloropropene	ND	2.0		µg/L	2	2/8/2018 4:41:00 PM	R48997
1,2-Dibromo-3-chloropropane	ND	4.0		µg/L	2	2/8/2018 4:41:00 PM	R48997
Dibromochloromethane	ND	2.0		µg/L	2	2/8/2018 4:41:00 PM	R48997
Dibromomethane	ND	2.0		µg/L	2	2/8/2018 4:41:00 PM	R48997
1,2-Dichlorobenzene	ND	2.0		µg/L	2	2/8/2018 4:41:00 PM	R48997
1,3-Dichlorobenzene	ND	2.0		µg/L	2	2/8/2018 4:41:00 PM	R48997
1,4-Dichlorobenzene	ND	2.0		µg/L	2	2/8/2018 4:41:00 PM	R48997
Dichlorodifluoromethane	ND	2.0		µg/L	2	2/8/2018 4:41:00 PM	R48997
1,1-Dichloroethane	ND	2.0		µg/L	2	2/8/2018 4:41:00 PM	R48997
1,1-Dichloroethene	ND	2.0		µg/L	2	2/8/2018 4:41:00 PM	R48997

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

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D	Sample Diluted Due to Matrix	E	Value above quantitation range
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Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD
Project: WT 1

Lab Order: 1802151

EPA METHOD 8260B: VOLATILES

Analyst: **RAA**

1,2-Dichloropropane	ND	2.0	µg/L	2	2/8/2018 4:41:00 PM	R48997
1,3-Dichloropropane	ND	2.0	µg/L	2	2/8/2018 4:41:00 PM	R48997
2,2-Dichloropropane	ND	4.0	µg/L	2	2/8/2018 4:41:00 PM	R48997
1,1-Dichloropropene	ND	2.0	µg/L	2	2/8/2018 4:41:00 PM	R48997
Hexachlorobutadiene	ND	2.0	µg/L	2	2/8/2018 4:41:00 PM	R48997
2-Hexanone	ND	20	µg/L	2	2/8/2018 4:41:00 PM	R48997
Isopropylbenzene	14	2.0	µg/L	2	2/8/2018 4:41:00 PM	R48997
4-Isopropyltoluene	4.9	2.0	µg/L	2	2/8/2018 4:41:00 PM	R48997
4-Methyl-2-pentanone	ND	20	µg/L	2	2/8/2018 4:41:00 PM	R48997
Methylene Chloride	ND	6.0	µg/L	2	2/8/2018 4:41:00 PM	R48997
n-Butylbenzene	ND	6.0	µg/L	2	2/8/2018 4:41:00 PM	R48997
n-Propylbenzene	17	2.0	µg/L	2	2/8/2018 4:41:00 PM	R48997
sec-Butylbenzene	5.9	2.0	µg/L	2	2/8/2018 4:41:00 PM	R48997
Styrene	ND	2.0	µg/L	2	2/8/2018 4:41:00 PM	R48997
tert-Butylbenzene	ND	2.0	µg/L	2	2/8/2018 4:41:00 PM	R48997
1,1,1,2-Tetrachloroethane	ND	2.0	µg/L	2	2/8/2018 4:41:00 PM	R48997
1,1,2,2-Tetrachloroethane	ND	4.0	µg/L	2	2/8/2018 4:41:00 PM	R48997
Tetrachloroethene (PCE)	ND	2.0	µg/L	2	2/8/2018 4:41:00 PM	R48997
trans-1,2-DCE	ND	2.0	µg/L	2	2/8/2018 4:41:00 PM	R48997
trans-1,3-Dichloropropene	ND	2.0	µg/L	2	2/8/2018 4:41:00 PM	R48997
1,2,3-Trichlorobenzene	ND	2.0	µg/L	2	2/8/2018 4:41:00 PM	R48997
1,2,4-Trichlorobenzene	ND	2.0	µg/L	2	2/8/2018 4:41:00 PM	R48997
1,1,1-Trichloroethane	ND	2.0	µg/L	2	2/8/2018 4:41:00 PM	R48997
1,1,2-Trichloroethane	ND	2.0	µg/L	2	2/8/2018 4:41:00 PM	R48997
Trichloroethene (TCE)	ND	2.0	µg/L	2	2/8/2018 4:41:00 PM	R48997
Trichlorofluoromethane	ND	2.0	µg/L	2	2/8/2018 4:41:00 PM	R48997
1,2,3-Trichloropropane	ND	4.0	µg/L	2	2/8/2018 4:41:00 PM	R48997
Vinyl chloride	ND	2.0	µg/L	2	2/8/2018 4:41:00 PM	R48997
Xylenes, Total	120	3.0	µg/L	2	2/8/2018 4:41:00 PM	R48997
Surr: 1,2-Dichloroethane-d4	82.6	70-130	%Rec	2	2/8/2018 4:41:00 PM	R48997
Surr: 4-Bromofluorobenzene	77.9	70-130	%Rec	2	2/8/2018 4:41:00 PM	R48997
Surr: Dibromofluoromethane	88.0	70-130	%Rec	2	2/8/2018 4:41:00 PM	R48997
Surr: Toluene-d8	88.8	70-130	%Rec	2	2/8/2018 4:41:00 PM	R48997

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QC SUMMARY REPORT
Hall Environmental Analysis Laboratory, Inc.

WO#: **1802151**
12-Feb-18

Client: GHD
Project: WT 1

Sample ID **MB**	SampType: **mblk**	TestCode: **EPA Method 300.0: Anions**
Client ID: **PBW**	Batch ID: **A48979**	RunNo: **48979**
Prep Date:	Analysis Date: **2/8/2018**	SeqNo: **1576486** Units: **mg/L**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Sulfate	ND	0.50								

Sample ID **LCS**	SampType: **lcs**	TestCode: **EPA Method 300.0: Anions**
Client ID: **LCSW**	Batch ID: **A48979**	RunNo: **48979**
Prep Date:	Analysis Date: **2/8/2018**	SeqNo: **1576487** Units: **mg/L**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Sulfate	9.0	0.50	10.00	0	90.5	90	110			

Qualifiers:

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QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: **1802151**

12-Feb-18

Client: GHD

Project: WT 1

Sample ID **100ng lcs**	SampType: **LCS**	TestCode: **EPA Method 8260B: VOLATILES**
Client ID: **LCSW**	Batch ID: **R48978**	RunNo: **48978**
Prep Date:	Analysis Date: **2/6/2018**	SeqNo: **1576380** Units: **µg/L**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	20	1.0	20.00	0	102	70	130			
Toluene	21	1.0	20.00	0	104	70	130			
Chlorobenzene	22	1.0	20.00	0	108	70	130			
1,1-Dichloroethene	23	1.0	20.00	0	114	70	130			
Trichloroethene (TCE)	20	1.0	20.00	0	99.9	70	130			
Surr: 1,2-Dichloroethane-d4	8.3		10.00		82.9	70	130			
Surr: 4-Bromofluorobenzene	7.8		10.00		78.2	70	130			
Surr: Dibromofluoromethane	8.7		10.00		87.3	70	130			
Surr: Toluene-d8	8.6		10.00		86.5	70	130			

Sample ID **rb**	SampType: **MBLK**	TestCode: **EPA Method 8260B: VOLATILES**
Client ID: **PBW**	Batch ID: **R48978**	RunNo: **48978**
Prep Date:	Analysis Date: **2/6/2018**	SeqNo: **1576381** Units: **µg/L**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	ND	1.0								
Toluene	ND	1.0								
Ethylbenzene	ND	1.0								
Methyl tert-butyl ether (MTBE)	ND	1.0								
1,2,4-Trimethylbenzene	ND	1.0								
1,3,5-Trimethylbenzene	ND	1.0								
1,2-Dichloroethane (EDC)	ND	1.0								
1,2-Dibromoethane (EDB)	ND	1.0								
Naphthalene	ND	2.0								
1-Methylnaphthalene	ND	4.0								
2-Methylnaphthalene	ND	4.0								
Acetone	ND	10								
Bromobenzene	ND	1.0								
Bromodichloromethane	ND	1.0								
Bromoform	ND	1.0								
Bromomethane	ND	3.0								
2-Butanone	ND	10								
Carbon disulfide	ND	10								
Carbon Tetrachloride	ND	1.0								
Chlorobenzene	ND	1.0								
Chloroethane	ND	2.0								
Chloroform	ND	1.0								
Chloromethane	ND	3.0								
2-Chlorotoluene	ND	1.0								

Qualifiers:

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QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: **1802151**

12-Feb-18

Client: GHD

Project: WT 1

Sample ID **rb**	SampType: **MBLK**	TestCode: **EPA Method 8260B: VOLATILES**
Client ID: **PBW**	Batch ID: **R48978**	RunNo: **48978**
Prep Date:	Analysis Date: **2/6/2018**	SeqNo: **1576381** Units: **µg/L**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
4-Chlorotoluene	ND	1.0								
cis-1,2-DCE	ND	1.0								
cis-1,3-Dichloropropene	ND	1.0								
1,2-Dibromo-3-chloropropane	ND	2.0								
Dibromochloromethane	ND	1.0								
Dibromomethane	ND	1.0								
1,2-Dichlorobenzene	ND	1.0								
1,3-Dichlorobenzene	ND	1.0								
1,4-Dichlorobenzene	ND	1.0								
Dichlorodifluoromethane	ND	1.0								
1,1-Dichloroethane	ND	1.0								
1,1-Dichloroethene	ND	1.0								
1,2-Dichloropropane	ND	1.0								
1,3-Dichloropropane	ND	1.0								
2,2-Dichloropropane	ND	2.0								
1,1-Dichloropropene	ND	1.0								
Hexachlorobutadiene	ND	1.0								
2-Hexanone	ND	10								
Isopropylbenzene	ND	1.0								
4-Isopropyltoluene	ND	1.0								
4-Methyl-2-pentanone	ND	10								
Methylene Chloride	ND	3.0								
n-Butylbenzene	ND	3.0								
n-Propylbenzene	ND	1.0								
sec-Butylbenzene	ND	1.0								
Styrene	ND	1.0								
tert-Butylbenzene	ND	1.0								
1,1,1,2-Tetrachloroethane	ND	1.0								
1,1,2,2-Tetrachloroethane	ND	2.0								
Tetrachloroethene (PCE)	ND	1.0								
trans-1,2-DCE	ND	1.0								
trans-1,3-Dichloropropene	ND	1.0								
1,2,3-Trichlorobenzene	ND	1.0								
1,2,4-Trichlorobenzene	ND	1.0								
1,1,1-Trichloroethane	ND	1.0								
1,1,2-Trichloroethane	ND	1.0								
Trichloroethene (TCE)	ND	1.0								
Trichlorofluoromethane	ND	1.0								
1,2,3-Trichloropropane	ND	2.0								

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
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QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: **1802151**

12-Feb-18

Client: GHD

Project: WT 1

Sample ID **rb**	SampType: **MBLK**	TestCode: **EPA Method 8260B: VOLATILES**
Client ID: **PBW**	Batch ID: **R48978**	RunNo: **48978**
Prep Date:	Analysis Date: **2/6/2018**	SeqNo: **1576381** Units: **µg/L**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Vinyl chloride	ND	1.0								
Xylenes, Total	ND	1.5								
Surr: 1,2-Dichloroethane-d4	8.6		10.00		86.5	70	130			
Surr: 4-Bromofluorobenzene	7.6		10.00		76.3	70	130			
Surr: Dibromofluoromethane	8.5		10.00		85.0	70	130			
Surr: Toluene-d8	8.7		10.00		87.4	70	130			

Sample ID **1802151-001ams**	SampType: **MS**	TestCode: **EPA Method 8260B: VOLATILES**
Client ID: **GW-11103552-02011**	Batch ID: **R48978**	RunNo: **48978**
Prep Date:	Analysis Date: **2/6/2018**	SeqNo: **1576386** Units: **µg/L**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	880	5.0	100.0	776.6	103	70	130			EP
Toluene	110	5.0	100.0	19.50	92.1	70	130			P
Chlorobenzene	94	5.0	100.0	0	94.2	70	130			P
1,1-Dichloroethene	100	5.0	100.0	0	102	70	130			P
Trichloroethene (TCE)	94	5.0	100.0	0	94.0	70	130			P
Surr: 1,2-Dichloroethane-d4	42		50.00		83.1	70	130			P
Surr: 4-Bromofluorobenzene	40		50.00		80.9	70	130			P
Surr: Dibromofluoromethane	43		50.00		86.0	70	130			P
Surr: Toluene-d8	43		50.00		85.4	70	130			P

Sample ID **1802151-001amsd**	SampType: **MSD**	TestCode: **EPA Method 8260B: VOLATILES**
Client ID: **GW-11103552-02011**	Batch ID: **R48978**	RunNo: **48978**
Prep Date:	Analysis Date: **2/6/2018**	SeqNo: **1576387** Units: **µg/L**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	840	5.0	100.0	776.6	58.5	70	130	5.24	20	ESP
Toluene	110	5.0	100.0	19.50	92.4	70	130	0.322	20	P
Chlorobenzene	94	5.0	100.0	0	94.0	70	130	0.138	20	P
1,1-Dichloroethene	96	5.0	100.0	0	96.1	70	130	6.09	20	P
Trichloroethene (TCE)	90	5.0	100.0	0	89.7	70	130	4.66	20	P
Surr: 1,2-Dichloroethane-d4	41		50.00		82.2	70	130	0	0	P
Surr: 4-Bromofluorobenzene	35		50.00		70.6	70	130	0	0	P
Surr: Dibromofluoromethane	43		50.00		85.3	70	130	0	0	P
Surr: Toluene-d8	44		50.00		87.3	70	130	0	0	P

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Detection Limit
S	% Recovery outside of range due to dilution or matrix	W	Sample container temperature is out of limit as specified

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: **1802151**

12-Feb-18

Client: GHD

Project: WT 1

Sample ID **100ng lcs**	SampType: **LCS**	TestCode: **EPA Method 8260B: VOLATILES**
Client ID: **LCSW**	Batch ID: **R48997**	RunNo: **48997**
Prep Date:	Analysis Date: **2/8/2018**	SeqNo: **1576922** Units: **µg/L**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	20	1.0	20.00	0	98.8	70	130			
Toluene	21	1.0	20.00	0	104	70	130			
Chlorobenzene	22	1.0	20.00	0	108	70	130			
1,1-Dichloroethene	22	1.0	20.00	0	108	70	130			
Trichloroethene (TCE)	19	1.0	20.00	0	96.7	70	130			
Surr: 1,2-Dichloroethane-d4	8.4		10.00		83.5	70	130			
Surr: 4-Bromofluorobenzene	7.7		10.00		77.1	70	130			
Surr: Dibromofluoromethane	8.7		10.00		86.9	70	130			
Surr: Toluene-d8	8.8		10.00		87.7	70	130			

Sample ID **rb**	SampType: **MBLK**	TestCode: **EPA Method 8260B: VOLATILES**
Client ID: **PBW**	Batch ID: **R48997**	RunNo: **48997**
Prep Date:	Analysis Date: **2/8/2018**	SeqNo: **1577591** Units: **µg/L**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	ND	1.0								
Toluene	ND	1.0								
Ethylbenzene	ND	1.0								
Methyl tert-butyl ether (MTBE)	ND	1.0								
1,2,4-Trimethylbenzene	ND	1.0								
1,3,5-Trimethylbenzene	ND	1.0								
1,2-Dichloroethane (EDC)	ND	1.0								
1,2-Dibromoethane (EDB)	ND	1.0								
Naphthalene	ND	2.0								
1-Methylnaphthalene	ND	4.0								
2-Methylnaphthalene	ND	4.0								
Acetone	ND	10								
Bromobenzene	ND	1.0								
Bromodichloromethane	ND	1.0								
Bromoform	ND	1.0								
Bromomethane	ND	3.0								
2-Butanone	ND	10								
Carbon disulfide	ND	10								
Carbon Tetrachloride	ND	1.0								
Chlorobenzene	ND	1.0								
Chloroethane	ND	2.0								
Chloroform	ND	1.0								
Chloromethane	ND	3.0								
2-Chlorotoluene	ND	1.0								

Qualifiers:

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D	Sample Diluted Due to Matrix	E	Value above quantitation range
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ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Detection Limit
S	% Recovery outside of range due to dilution or matrix	W	Sample container temperature is out of limit as specified

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: **1802151**

12-Feb-18

Client: GHD

Project: WT 1

Sample ID **rb**	SampType: **MBLK**	TestCode: **EPA Method 8260B: VOLATILES**
Client ID: **PBW**	Batch ID: **R48997**	RunNo: **48997**
Prep Date:	Analysis Date: **2/8/2018**	SeqNo: **1577591** Units: **µg/L**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
4-Chlorotoluene	ND	1.0								
cis-1,2-DCE	ND	1.0								
cis-1,3-Dichloropropene	ND	1.0								
1,2-Dibromo-3-chloropropane	ND	2.0								
Dibromochloromethane	ND	1.0								
Dibromomethane	ND	1.0								
1,2-Dichlorobenzene	ND	1.0								
1,3-Dichlorobenzene	ND	1.0								
1,4-Dichlorobenzene	ND	1.0								
Dichlorodifluoromethane	ND	1.0								
1,1-Dichloroethane	ND	1.0								
1,1-Dichloroethene	ND	1.0								
1,2-Dichloropropane	ND	1.0								
1,3-Dichloropropane	ND	1.0								
2,2-Dichloropropane	ND	2.0								
1,1-Dichloropropene	ND	1.0								
Hexachlorobutadiene	ND	1.0								
2-Hexanone	ND	10								
Isopropylbenzene	ND	1.0								
4-Isopropyltoluene	ND	1.0								
4-Methyl-2-pentanone	ND	10								
Methylene Chloride	ND	3.0								
n-Butylbenzene	ND	3.0								
n-Propylbenzene	ND	1.0								
sec-Butylbenzene	ND	1.0								
Styrene	ND	1.0								
tert-Butylbenzene	ND	1.0								
1,1,1,2-Tetrachloroethane	ND	1.0								
1,1,2,2-Tetrachloroethane	ND	2.0								
Tetrachloroethene (PCE)	ND	1.0								
trans-1,2-DCE	ND	1.0								
trans-1,3-Dichloropropene	ND	1.0								
1,2,3-Trichlorobenzene	ND	1.0								
1,2,4-Trichlorobenzene	ND	1.0								
1,1,1-Trichloroethane	ND	1.0								
1,1,2-Trichloroethane	ND	1.0								
Trichloroethene (TCE)	ND	1.0								
Trichlorofluoromethane	ND	1.0								
1,2,3-Trichloropropane	ND	2.0								

Qualifiers:

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QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: **1802151**

12-Feb-18

Client: GHD

Project: WT 1

Sample ID **rb**	SampType: **MBLK**	TestCode: **EPA Method 8260B: VOLATILES**
Client ID: **PBW**	Batch ID: **R48997**	RunNo: **48997**
Prep Date:	Analysis Date: **2/8/2018**	SeqNo: **1577591** Units: **µg/L**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Vinyl chloride	ND	1.0								
Xylenes, Total	ND	1.5								
Surr: 1,2-Dichloroethane-d4	8.2		10.00		82.4	70	130			
Surr: 4-Bromofluorobenzene	7.7		10.00		76.7	70	130			
Surr: Dibromofluoromethane	8.6		10.00		86.3	70	130			
Surr: Toluene-d8	8.6		10.00		85.8	70	130			

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
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HALL ENVIRONMENTAL ANALYSIS LABORATORY

Hall Environmental Analysis Laboratory
4901 Hawkins NE
Albuquerque, NM 87109
TEL: 505-345-3975 FAX: 505-345-4107
Website: www.hallenvironmental.com

Sample Log-In Check List

Client Name: GHD | Work Order Number: 1802151 | RcptNo: 1

Received By: Dennis Suazo 2/3/2018 11:45:00 AM

Completed By: Sophia Campuzano 2/5/2018 8:39:31 AM

Reviewed By: 02/05/18

Labeled By DDS

Chain of Custody

1. Is Chain of Custody complete?	Yes ☑	No ☐	Not Present ☐
2. How was the sample delivered?	Courier		

Log In

3. Was an attempt made to cool the samples?	Yes ☑	No ☐	NA ☐
4. Were all samples received at a temperature of >0° C to 6.0°C	Yes ☑	No ☐	NA ☐
5. Sample(s) in proper container(s)?	Yes ☑	No ☐	
6. Sufficient sample volume for indicated test(s)?	Yes ☑	No ☐	
7. Are samples (except VOA and ONG) properly preserved?	Yes ☑	No ☐	
8. Was preservative added to bottles?	Yes ☐	No ☑	NA ☐
9. VOA vials have zero headspace?	Yes ☑	No ☐	No VOA Vials ☐
10. Were any sample containers received broken?	Yes ☐	No ☑	
11. Does paperwork match bottle labels? (Note discrepancies on chain of custody)	Yes ☑	No ☐	# of preserved bottles checked for pH: (<2 or >12 unless noted)
12. Are matrices correctly identified on Chain of Custody?	Yes ☑	No ☐	Adjusted?
13. Is it clear what analyses were requested?	Yes ☑	No ☐	
14. Were all holding times able to be met? (If no, notify customer for authorization.)	Yes ☑	No ☐	Checked by:

Special Handling (if applicable)

15. Was client notified of all discrepancies with this order?	Yes ☐	No ☐	NA ☑

Person Notified: Date:

By Whom: Via: ☐ eMail ☐ Phone ☐ Fax ☐ In Person

Regarding:

Client Instructions:

16. Additional remarks:

17. **Cooler Information**

Cooler No	Temp °C	Condition	Seal Intact	Seal No	Seal Date	Signed By
1	5.9	Good	Yes			

Chain-of-Custody Record

Client: GHD Services

Mailing Address: 6121 Indian School Rd NE Albuquerque, NM 87110 Ste 200

Phone #: 505 884 0672

email or Fax#: Bernard.Bocksisch@ghd.com

QA/QC Package:
☐ Standard ☐ Level 4 (Full Validation)

Accreditation
☐ NELAP ☐ Other _____

☐ EDD (Type) _____

Turn-Around Time: 5 day TAT
☐ Standard ☐ Rush _____

Project Name: WT1

Project #: 1103552

Project Manager: Bernard Bocksisch

Sampler: Michael Gant

On Ice: ☒ Yes ☐ No

Sample Temperature: 5.3+0.6(CF)=5.9

HALL ENVIRONMENTAL ANALYSIS LABORATORY

www.hallenvironmental.com

4901 Hawkins NE - Albuquerque, NM 87109

Tel. 505-345-3975 Fax 505-345-4107

Analysis Request

Date	Time	Matrix	Sample Request ID	Container Type and #	Preservative Type	HEAL No.	BTEX + MTBE + TMB's (8021)	BTEX + MTBE + TPH (Gas only)	TPH 8015B (GRO / DRO / MRO)	TPH (Method 418.1)	EDB (Method 504.1)	PAH's (8310 or 8270 SIMS)	RCRA 8 Metals	Anions (F,Cl,NO_3,NO_2,PO_4,SO_4)	8081 Pesticides / 8082 PCB's	8260B (VOA)	8270 (Semi-VOA)	Sulfates 300				Air Bubbles (Y or N)
2/1/18	1120	GW	GW-1103552-020118-MG-SWE5	Various	ICE	-001										X		X				
	1150		GW-1103552-020118-MG-SWE13			-002										X		X				
	1230		GW-1103552-020118-MG-SWE14			-003										X		X				
	1315		GW-1103552-020118-MG-MW10			-004										X		X				
	0000		GW-1103552-020118-MG-DUP			-005										X		X				

Date:	Time:	Relinquished by:	Received by:	Date	Time	Remarks:
2/2/18	0930			2/2/18	0930	
2/2/18	1900		courier	2/3/18	1145	

If necessary, samples submitted to Hall Environmental may be subcontracted to other accredited laboratories. This serves as notice of this possibility. Any sub-contracted data will be clearly notated on the analytical report.

www.ghd.com