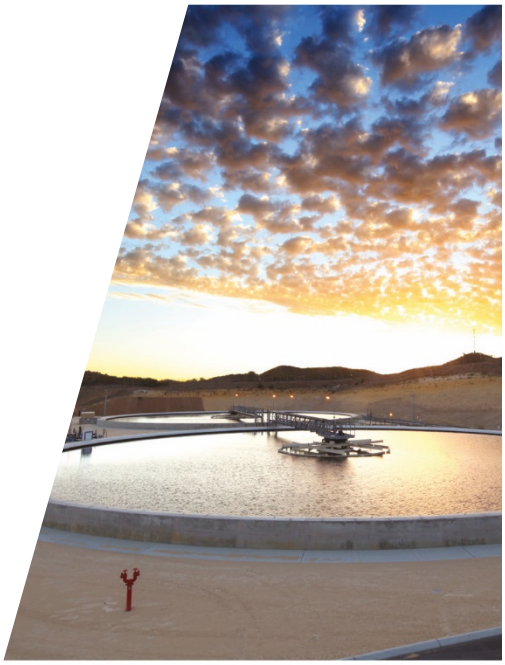


2019 Annual Groundwater Monitoring Report

Thoreau Compressor Station No. 5
Section 20, Township 14N, Range 13W
McKinley County, New Mexico
AP-102

Transwestern Pipeline Company, LLC

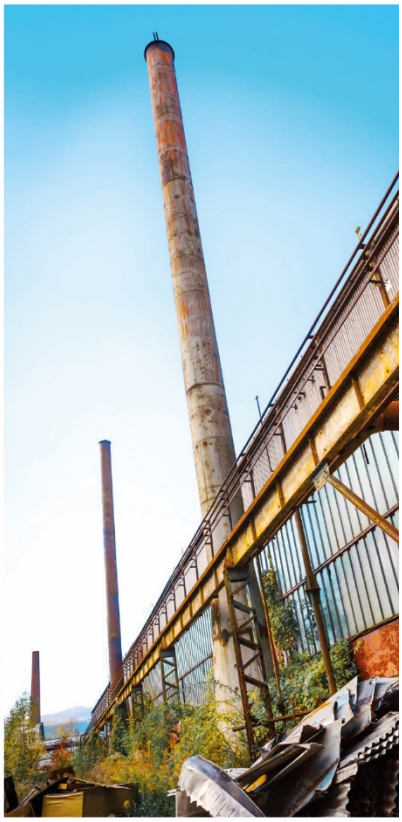


Table of Contents

Figure Index

Table Index

Appendix Index

1. Introduction

This report discuses field activities completed in 2019 at the Transwestern Pipeline, LLC (Transwestern) Thoreau Compressor Station Number 5 (Site). The Site is situated approximately 1.5 miles north-northwest of Thoreau, McKinley County, New Mexico on the Navajo Nation within Section 20, Township 14 North, Range 13 West (**Figure 1**). The facility is owned by Transwestern and the surrounding land is owned by the Navajo Nation and the Bureau of Land Management. A Site Detail Map is included as **Figure 2**. The Site is regulated by the Navajo Nation Environmental Protection Agency, and the New Mexico Oil Conservation Division under abatement plan AP-102.

1.1 Background

In March 1989, Daniel B. Stephens & Associates (DBS&A) was retained by Transwestern to investigate the hydrogeology at four compressor stations. A Consent Decree had been issued by the Environmental Protection Agency (EPA) due to the potential release of polychlorinated biphenyl (PCB) compounds in soils at these sites. Transwestern utilized synthetic lubricating oil containing Aroclor 1242 in a gas turbine, which may have contaminated downstream elements of the Transwestern system. The potential PCB releases may have occurred from natural gas condensate liquid waste generated during pipeline cleaning operations.

The results of this initial investigation revealed the presence of hydrocarbons and PCBs within a shallow alluvial aquifer beneath the Site. However, impacts to the regional aquifer were not found. The Consent Decree was terminated following a determination by the EPA in late 1992. The EPA concluded that Transwestern had met the terms and conditions of the Consent Decree. Following termination of the Consent Decree, Transwestern began working solely with the New Mexico Oil Conservation Division (NMOCD) and the Navajo Nation for Site monitoring and remediation activities to address remaining impacts to the shallow alluvial aquifer.

From April 1992 to December 1992, a nitrate injection pilot test was conducted at the Site in the immediate vicinity of monitoring well 5-35B. The pilot test was performed to assess the feasibility of nitrate enhanced bioremediation of Site impacts. The pilot test resulted in reductions in concentrations of toluene, xylene, and ethylbenzene; however, no significant reduction in benzene was observed. Following the test, a decision was made to pursue bioremediation based on aerobic rather than anaerobic degradation.

The Phase I soil vapor extraction (SVE) remediation system was placed into service on December 9, 1994. This system consisted of a single 1/2 HP electric regenerative blower which extracted soil vapor from monitoring well 5-35B.

The Phase II system was implemented in 1996 with the installation of 11 air sparge points (AS-1 thru AS-11), two dedicated SVE wells (SVE-1 and SVE-2), and the installation of associated surface equipment. During drilling activities at AS-2, soil impacts originating from a former surface impoundment for gas condensate liquids were discovered. It was determined that this former surface impoundment was likely the primary source of benzene impacts at the Site. The Phase III system was implemented in late 1997 with the addition of five air sparge wells (AS-12 through AS-16) and

two additional SVE wells (SVE-3 and SVE-4). The SVE system was shut down in November 2010 due to declining volatile organic compounds detected in the system influent.

In 2006, during construction to replace the pig receiver, a petroleum hydrocarbon odor was noted as soil was excavated from around the concrete pedestal supporting the receiver. Laboratory analysis of a soil sample from the area revealed elevated total petroleum hydrocarbons (TPH). Subsequently, 130 cubic yards of soil was excavated from the area around the pig receiver and in the area down gradient of the old waste pit. Waste characterization samples were taken from soil stockpiles prior to disposal. The samples revealed elevated TPH in the diesel and motor oil range, as well as trace amounts of PCBs.

Concentrations of PCBs have been detected in groundwater samples collected from two Site wells located in the extreme southeast corner of the facility (monitoring wells 5-59 and 5-06C) since 1989. The concentrations of PCBs in these wells have generally been decreasing over time.

Site consulting responsibilities were transferred from Cypress Engineering to GHD in January 2014.

GHD advanced five hollow stem auger borings at the Site to assess residual hydrocarbon concentrations in the soil during the weeks of November 17, 2014 and November 24, 2014. Analytical data from the soil borings indicated residual benzene, toluene, ethylbenzene, and xylenes (BTEX) and TPH concentrations near 5-35B and SVE-03.

By 2014, a number of down gradient or dry monitoring wells were no longer viable for data collection. Eleven monitoring wells and two SVE wells were plugged and abandoned during the weeks of November 17, 2014 and November 24, 2014. These wells were plugged and abandoned with the approval of the Navajo Nation Environmental Protection Agency (NNEPA) and the Navajo Nation Water Code Administration (NNWCA).

A work plan to assess the Site for remediation by chemical oxidation was submitted to both the NNEPA and NMOCD, dated September 29, 2015. The work plan included collecting bulk samples and performing treatability testing.

To assist with a treatability study to perform chemical oxidation at the Site, bulk soil and groundwater samples were collected. A bulk composite groundwater sample was collected from 5-02C, 5-35B, and SVE-3 in conjunction with groundwater sampling on April 13, 2015. Two hollow stem auger borings were advanced on October 27, 2015 to collect the bulk soil sample. Enviro Drill, Inc. of Albuquerque, New Mexico performed the drilling using a CME-75 drill rig. The bulk samples were placed in laboratory prepared containers, stored in a cooler on ice, and shipped to the GHD Innovative Technology Group (ITG) laboratory located in Niagara Falls, New York.

Based on the treatability study, in-situ chemical oxidation (ISCO) using a catalyzed sodium persulfate solution was recommended by ITG to address petroleum hydrocarbon impacts.

Injections were performed in air sparge wells AS-4, AS-10, and AS-15 with a sodium persulfate and sodium hydroxide solution during three injection events in 2017. The injections were administered by GHD on March 28, June 26, and October 6, 2017.

Semiannual groundwater monitoring and a fresh water injection in pilot study injection wells was completed in 2019. Details of 2019 field activities are discussed in this report.

1.2 Hydrogeology

The Chinle Formation is the principal bedrock underlying the Site. The Chinle Formation is comprised primarily of red claystone and mudstones and is roughly 1,000 to 1,300 feet thick. In addition, there is a middle Chinle Formation member, the Sonsela sandstone, which is approximately 90 to 130 feet thick at a depth of approximately 650 feet below ground surface (bgs). The Sonsela sandstone is the shallowest aquifer that is used as a water supply in the Thoreau area.

The Chinle Formation is overlain by 30 to more than 75 feet of alluvium over most of the Site and surrounding area. The alluvium consists of reddish brown, silty sand that is fine to very fine grained, moderately to well sorted, with thin, silty interbeds. Approximately 1 to 5 feet of weathered, sandy clay marks the transition between the surficial alluvium and underlying Chinle Formation.

Perched groundwater is present in the alluvium over the Chinle Formation. The perched zone is approximately 3 feet thick for most of the Site, with the thickness increasing locally due to the presence of paleo channels that occur from the erosion of the Chinle Formation.

2. Groundwater Monitoring Methodology and Analytical Results

2.1 Groundwater Monitoring Summary

Semiannual groundwater monitoring events were performed at the Site on April 16 and 17, 2019 and October 3 and 4, 2019. Prior to collection of groundwater samples, an oil/water interface probe was used to measure depth to groundwater and check for the presence of light non-aqueous phase liquids (LNAPL), if any. Before and after each use, the oil/water interface probe was cleaned with an Alconox®/deionized water solution and rinsed with deionized water. Groundwater gauging data and elevations are detailed in **Table 1**. Groundwater potentiometric surface maps showing April and October 2019 gauging data are presented as **Figure 3** and **Figure 4,** respectively. The apparent groundwater flow at the Site is to the southeast and is consistent with historical data. The groundwater gradient was calculated at 0.030 feet per foot (ft/ft) in April and 0.034 ft/ft in October 2019.

2.2 Groundwater Monitoring Methodology

During the 2019 monitoring events, monitoring wells SVE 3, 5-16B, 5-18B, 5-20B, 5-35B, 5-06C, 5-02C, 5-59, 5-60, AS-04, AS-10, and AS-15 were purged of at least three well volumes or until dry using dedicated, polyethylene bailers. While purging each well, groundwater parameter data including temperature, pH, conductivity, and oxidation reduction potential were collected using a multi-parameter groundwater quality meter. Field parameters are summarized on **Table 2**. Groundwater samples were placed in laboratory prepared containers, packed on ice, and delivered under chain-of-custody documentation to Hall Environmental Analysis Laboratory in Albuquerque, New Mexico.

Groundwater samples collected from monitoring wells, SVE-3, 5-16B, 5-18B, 5-20B, 5-35B, 5-06C, 5-02C, 5-59, 5-60, AS-04, AS-10, and AS-15 were analyzed for BTEX by EPA Method 8260, sulfate by EPA Method 300.0, and dissolved iron and manganese by EPA Method 6010B. Groundwater samples collected from monitoring wells 5-06C and 5-59 were also analyzed for PCBs by EPA Method 8082. A summary of analytical results for BTEX constituents is presented on **Table 3**. A summary of analytical results for PCBs is presented on **Table 4**. A summary of specific ISCO monitoring BTEX analytical results, as well as those for sulfate, dissolved iron, and dissolved manganese is presented on **Table 5**. BTEX and PCB concentrations for the 2019 semiannual sampling events are shown on **Figure 5**.

2.3 Groundwater Monitoring Analytical Results

The NNEPA mandates that groundwater quality on the Navajo Nation be protected pursuant to the Navajo Nation Safe Drinking Water Act and the Navajo Nation Clean Water Act. Groundwater quality standards for the NNEPA follow the National Primary Drinking Water Regulation, Maximum Contaminant Levels set by the EPA.

Any constituents of concern that were detected in groundwater samples above EPA Maximum Contaminant Levels (MCLs) are listed below.

Results of the April 2019 groundwater monitoring event are as follows:

- **Benzene**: The EPA MCLs for benzene is 5 micrograms per liter (µg/L). Groundwater samples collected from monitoring wells 5-16B, 5-35B, SVE-3, AS-4, AS-10, and AS-15 contained benzene at concentrations of 1,900 µg/L, 2,400 µg/L, 3500 µg/L, 8.4 µg/L, 380 µg/L, and 39 µg/L, respectively.
- **PCBs**: The EPA MCLs groundwater quality standard for PCBs is 0.5 µg/L. Groundwater samples collected from monitoring wells 5-06C and 5-59 contained PCBs at concentrations of 2.3 µg/L and 4.0 µg/L, respectively.
- **Sulfate**: The EPA secondary drinking water standard for sulfate is 250 mg/L. The sulfate concentration in wells AS-4 was 34,000 mg/L, AS-10 was 18,000 mg/L, and AS-15 was 29,000 mg/L. The elevated concentrations of sulfate are a result of the 2017 ISCO injections that utilized a catalyzed sodium persulfate solution as an oxidant.

Results of the October 2019 groundwater monitoring event are as follows:

- **LNAPL**: LNAPL was observed in well 5-02C with a measurement of 0.33 ft. The well was not sampled due to the presence of LNAPL.
- **Benzene**: The EPA MCLs for benzene is 5 micrograms per liter (µg/L). Groundwater samples collected from monitoring wells 5-16B, 5-35B, SVE-3, AS-4, AS-10, and AS-15 contained benzene at concentrations of 77 µg/L, 2,500 µg/L, 3,100 µg/L, 23 µg/L, 200 µg/L, and 5.7 µg/L, respectively.
- **PCBs**: The EPA MCLs groundwater quality standard for PCBs is 0.5 µg/L. The groundwater sample collected from monitoring wells 5-59 contained PCBs at a concentration of 2.6 µg/L.

- **Sulfate**: Sulfate concentrations in AS-4 are down to 12,000 mg/L from 34,000 mg/L in April 2019, AS-10 is down to 11,000 mg/L from 18,000 mg/L in April 2019, and AS-15 was 3,500 mg/L down from 29,000 mg/L in April 2019.

Sulfate concentrations in wells AS-4, AS-10 and AS-15 have returned samples with elevated concentrations of sulfate since pilot study injections of catalyzed sodium persulfate performed in 2017. In order to address the elevated sulfate levels, a fresh water injection was performed July 1 to 3, 2019. The fresh water injections was approved by the NMOCD during an annual meeting conducted between NMOCD, GHD, and Energy Transfer in April of 2019. NNEPA further approved fresh water injections via email correspondence in June of 2019. Approximately 250 gallons of fresh water was injected into wells AS-4, AS-10, AS-15, and 5-37I. Sulfate concentrations in these wells decreased as a result of the addition of fresh water. Concentrations should continue to decrease over time.

A copy of the laboratory analytical reports for the semiannual monitoring event is included in **Appendix A**.

3. Conclusions and 2020 Recommendations

3.1 Conclusions

Based on the information and data presented in this report, GHD makes the following conclusions:

- Groundwater flow within the perched aquifer at the Site is to the southwest and is relatively consistent with historical data.
- Groundwater from Site monitoring wells still contain benzene and PCB concentrations above the EPA MCLs.
- LNAPL was observed in well 5-02C in October of 2019.
- Sulfate concentrations remain elevated in wells where sodium persulfate was injected in 2017, but did decrease following the NMOCD and NNEPA approved freshwater injection completed in July, 2019.

3.2 2020 Recommendations

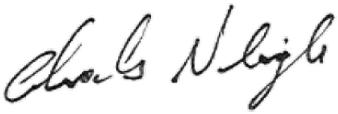
Based on the findings listed above, GHD recommends the following for 2020:

- Continue semiannual groundwater monitoring.
- Utilize hydrocarbon absorbent socks in well 5-02C to address the presence of LNAPL.
- Consider a second fresh water injection, with NMOCD & NNEPA approval, into AS-4, AS-10, and AS-15 if concentrations of sulfate remain elevated after first 2020 semiannual monitoring event. Fresh water injections would be approximately 250 gallons introduced into each well.

- Continue to assess the effectiveness of ISCO via monitoring concentrations of sulfate, iron (dissolved and total), as well as dissolved manganese in select monitoring, SVE, or AS wells to determine the potential for continuation or modification of in-situ remediation activities.

All of Which is Respectfully Submitted,

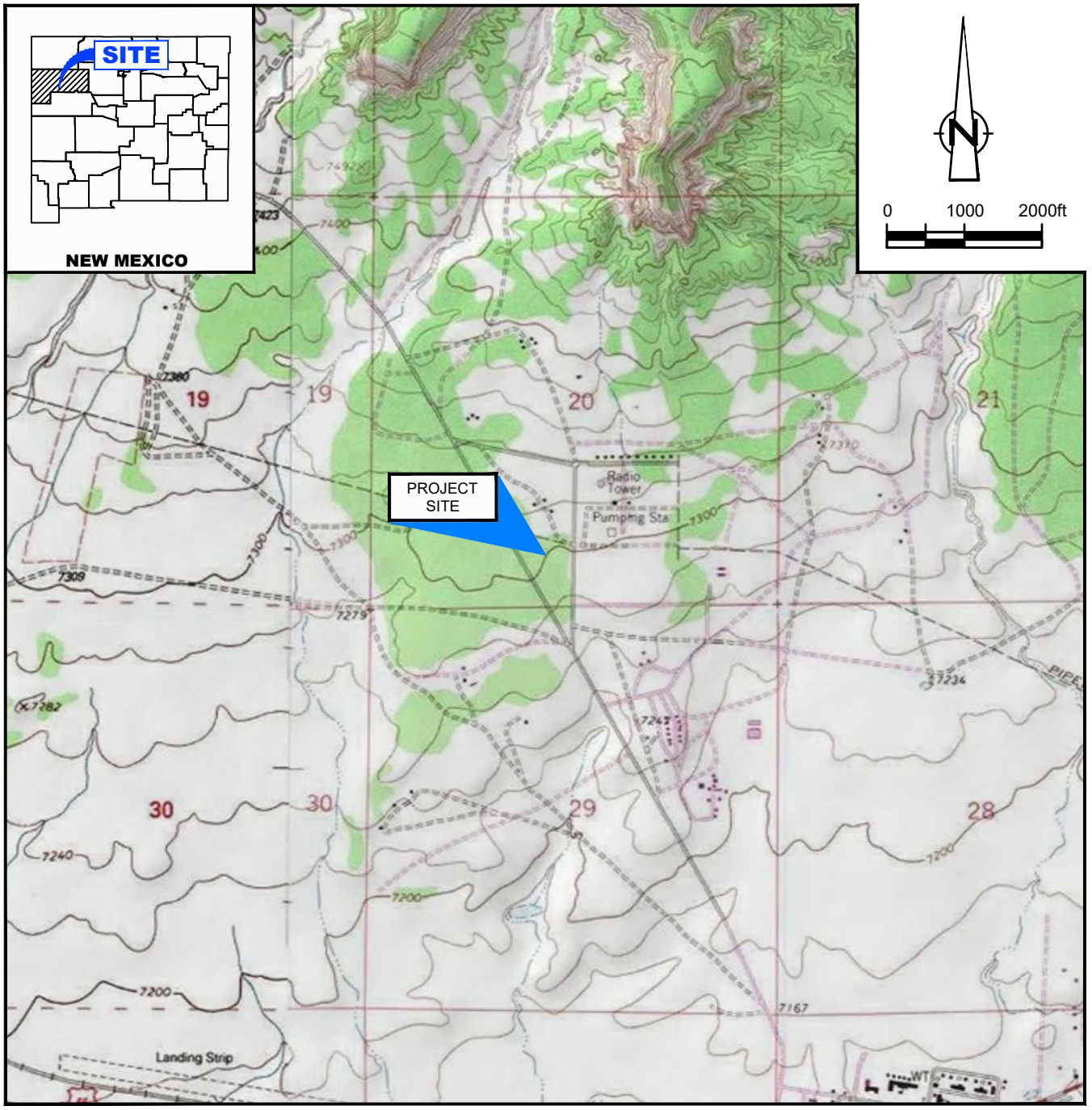
GHD



Charles Neligh
Project Scientist

Christine Mathews
Project Manager

Figures



SOURCE: USGS 7.5 MINUTE QUAD
"BELL LAKE AND TIP TOP WELLS, NEW MEXICO"

LAT/LONG: 35.4262° NORTH, 108.2360° WEST
COORDINATE: NAD83 DATUM, U.S. FOOT
STATE PLANE ZONE - NEW MEXICO WEST

Figure 1

SITE LOCATION MAP
THOREAU COMPRESSOR STATION
McKINLEY COUNTY, NEW MEXICO
Transwestern Pipeline Company, LLC

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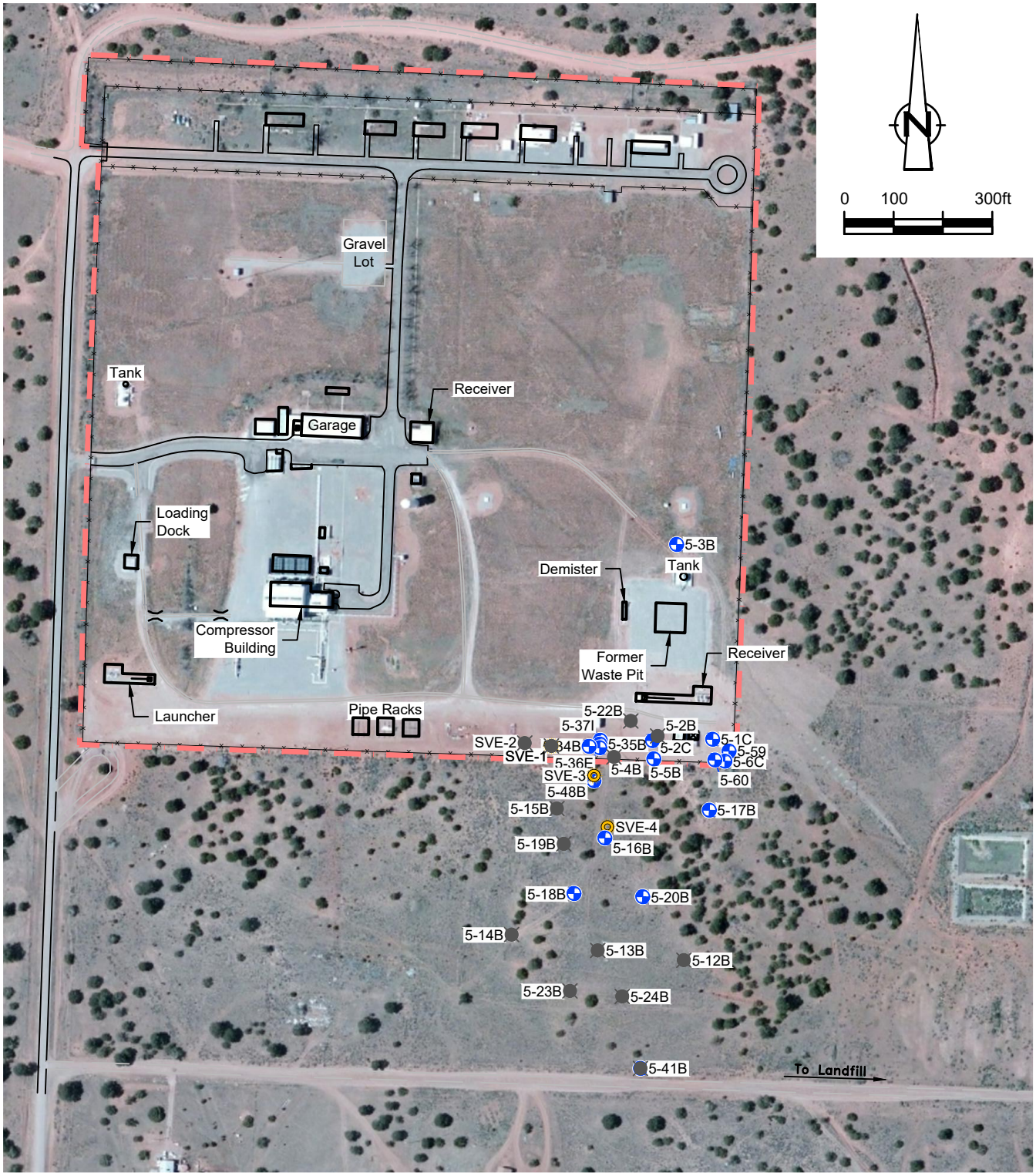

LEGEND

- Monitor Well Location
- SVE Well Location
- Plugged and Abandoned Monitoring Well
- Approximate Station Boundary
- Fence Line

Figure 2

SITE DETAIL MAP
THOREAU COMPRESSOR STATION
McKINLEY COUNTY, NEW MEXICO
Transwestern Pipeline Company, LLC

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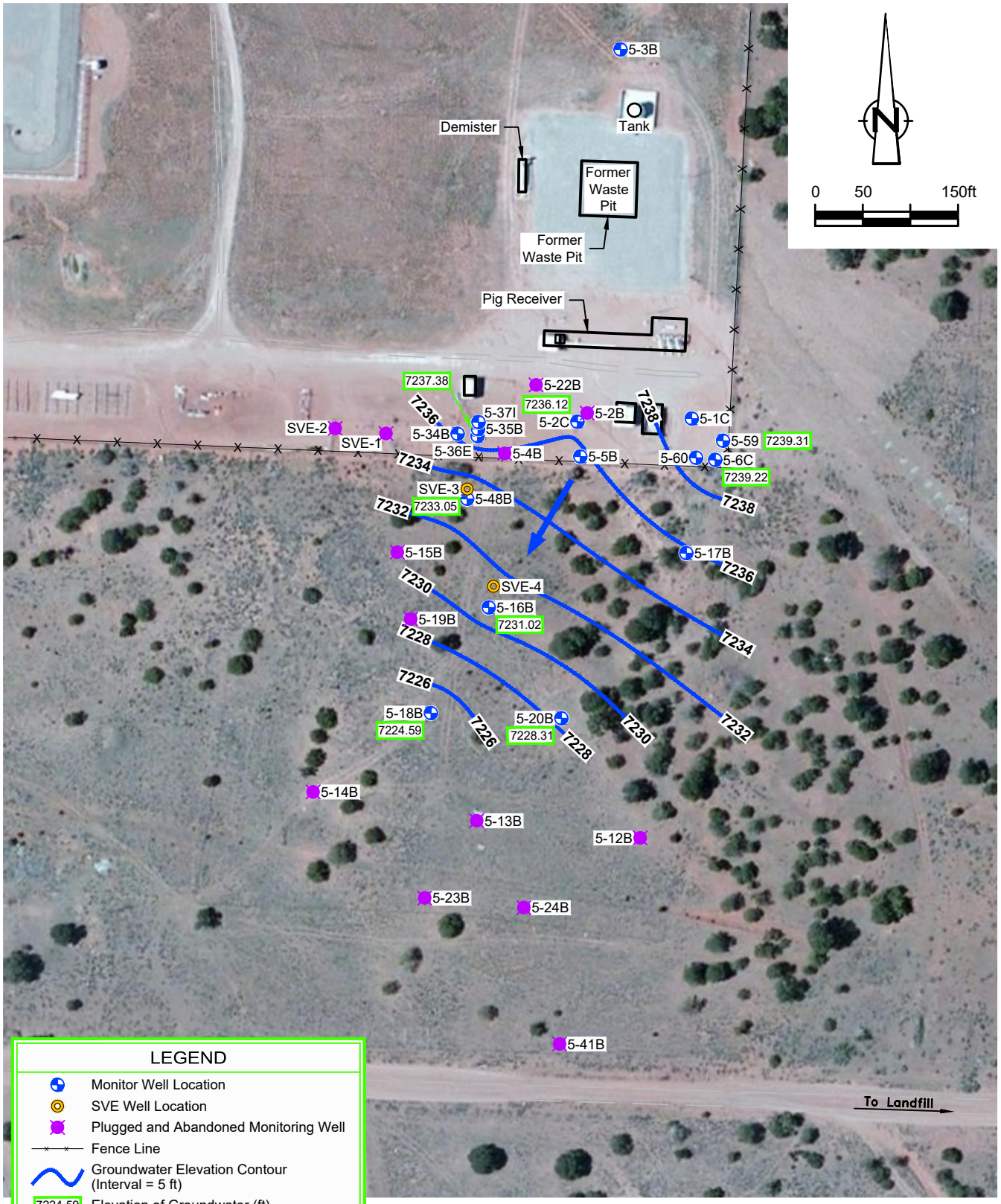

Figure 3

APRIL 2019 POTENTIOMETRIC SURFACE MAP
THOREAU COMPRESSOR STATION
McKINLEY COUNTY, NEW MEXICO
Transwestern Pipeline Company, LLC

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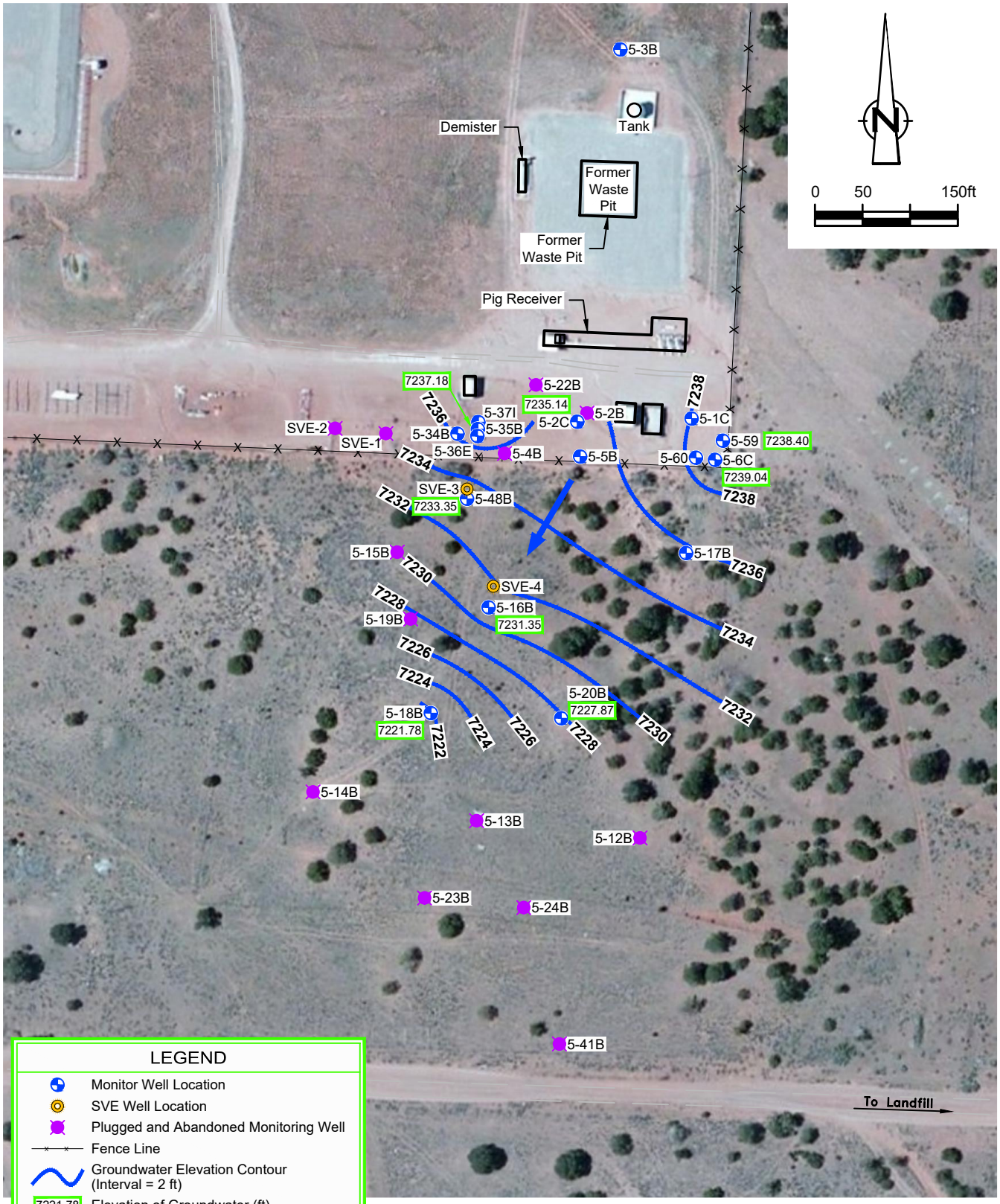

Figure 4

OCTOBER 2019 POTENTIOMETRIC SURFACE MAP
THOREAU COMPRESSOR STATION
McKINLEY COUNTY, NEW MEXICO
Transwestern Pipeline Company, LLC

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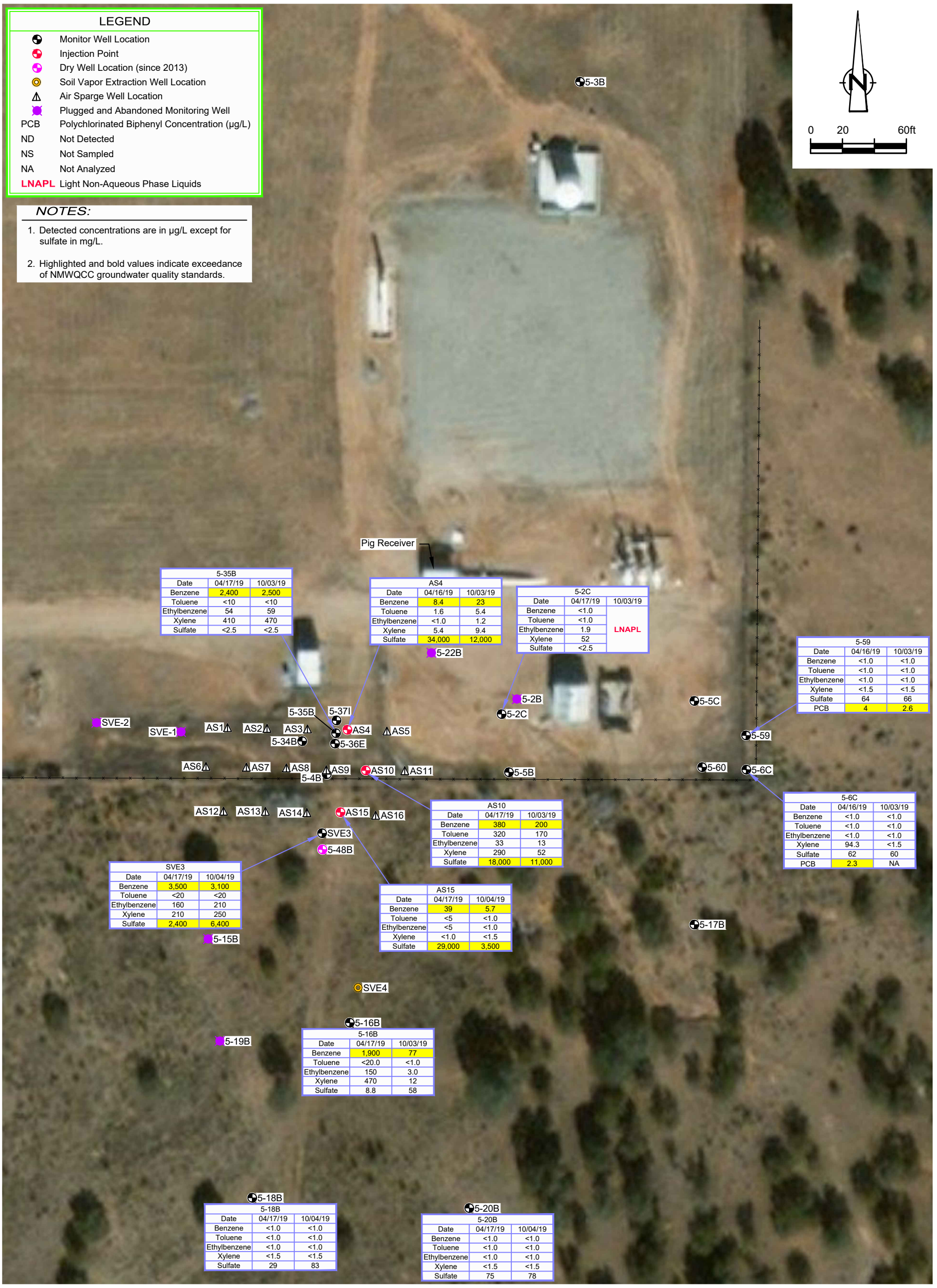

Figure 5

2019 BTEX AND PCB CONCENTRATION MAP
THOREAU COMPRESSOR STATION
McKINLEY COUNTY, NEW MEXICO
Transwestern Pipeline Company, LLC

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Tables

Table 1
Summary of Groundwater Elevation Data
Thoreau Compressor Station No. 5
Transwestern Pipeline Company, LLC
McKinley County, New Mexico

Well ID	Top of Casing Elevation (feet amsl)	Date	Depth to LNAPL (feet below TOC)	Depth to Ground Water (feet below TOC)	LNAPL Thickness (feet)	Ground Water Elevation (feet amsl)
5-01B	7,290.53	08/29/90	---	44.69	---	7245.84
		11/08/90	---	44.70	---	7245.83
		01/08/91	---	44.82	---	7245.71
		02/05/91	---	44.86	---	7245.67
		03/05/91	---	44.91	---	7245.62
		04/10/91	---	44.94	---	7245.59
		05/21/91	---	45.08	---	7245.45
		06/18/91	---	45.15	---	7245.38
		07/23/91	---	45.28	---	7245.25
		09/04/91	---	45.38	---	7245.15
		10/02/91	---	45.52	---	7245.01
		11/06/91	---	45.63	---	7244.90
		12/10/91	---	45.64	---	7244.89
		01/09/92	---	45.61	---	7244.92
		01/27/92	---	45.53	---	7245.00
		02/20/92	---	45.39	---	7245.14
		03/18/92	---	45.18	---	7245.35
		04/29/92	---	44.78	---	7245.75
		10/06/92	---	43.71	---	7246.82
		10/14/92	---	43.67	---	7246.86
		04/19/93	---	42.96	---	7247.57
		11/14/95	---	46.16	---	7244.37
		02/15/96	---	46.64	---	7243.89
		05/21/96	---	47.32	---	7243.21
		08/12/96	---	NM	---	---
		11/18/96	---	47.91	---	7242.62
		02/24/97	---	48.31	---	7242.22
		05/19/97	---	48.57	---	7241.96
		08/18/97	---	48.77	---	7241.76
		11/16/97	---	49.03	---	7241.50
		Plugged and Abandoned				
5-01C	7,292.11	02/10/98	---	NM	---	---
		06/08/98	---	NM	---	---
		09/29/98	---	NM	---	---
		04/27/99	---	NM	---	---
		10/11/99	---	NM	---	---
		05/10/00	---	51.45	---	7240.66
		11/14/00	---	51.73	---	7240.38
		05/21/01	---	51.85	---	7240.26
		11/16/01	---	52.00	---	7240.11
		04/17/02	---	52.05	---	7240.06
		10/30/02	---	52.23	---	7239.88
		05/21/03	---	52.25	---	7239.86
		11/10/03	---	52.43	---	7239.68
		06/07/04	---	52.53	---	7239.58
		06/08/05	---	52.63	---	7239.48
		07/10/06	---	52.85	---	7239.26
		07/25/07	---	52.93	---	7239.18
		09/22/08	---	53.06	---	7239.05
		08/04/09	---	52.99	---	7239.12
		05/18/10	---	52.99	---	7239.12
		09/25/11	---	52.79	---	7239.32
		06/12/12	---	52.99	---	7239.12

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McKinley County, New Mexico

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5-01C (Cont.)	7,292.11	07/23/13	---	53.14	---	7238.97
		04/20/16	---	53.37	---	7238.74
		05/01/17	--	53.19	--	7238.92
		06/20/17	---	53.09	---	7239.02
		09/22/17	---	53.05	---	7239.06
		04/19/18	---	52.92	---	7239.19
		10/03/19	---	53.03	---	7239.08
5-02B	7,292.06	08/29/90	---	47.60	---	7244.46
		11/08/90	---	47.72	---	7244.34
		01/11/91	---	47.88	---	7244.18
		02/12/91	---	47.90	---	7244.16
		03/05/91	---	47.93	---	7244.13
		04/11/91	---	47.92	---	7244.14
		05/20/91	---	48.14	---	7243.92
		06/18/91	---	48.23	---	7243.83
		07/24/91	---	48.36	---	7243.70
		09/05/91	---	48.55	---	7243.51
		10/03/91	---	48.62	---	7243.44
		11/05/91	---	48.73	---	7243.33
		12/12/91	---	48.68	---	7243.38
		01/09/92	---	48.58	---	7243.48
		01/28/92	---	48.48	---	7243.58
		02/20/92	---	48.27	---	7243.79
		03/19/92	---	47.98	---	7243.79
		04/29/92	---	47.38	---	7244.68
		10/06/92	---	46.09	---	7245.97
		10/14/92	---	46.07	---	7245.99
		04/19/93	---	45.38	---	7246.68
		04/22/93	---	45.36	---	7246.70
		11/14/95	---	49.32	---	7242.74
	7,293.24 (a)	02/15/96	---	49.84	---	7242.22
		05/21/96	---	50.47	---	7241.59
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		11/21/96	---	51.66	---	7240.40
		02/24/97	---	NM	---	---
		05/19/97	---	NM	---	---
		08/18/97	---	NM	---	---
		11/16/97	---	NM	---	---
		02/10/98	---	NM	---	---
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		05/10/00	---	55.08	---	7238.16
		11/14/00	---	56.09	---	7237.28
		05/21/01	56.03	56.33	0.30	7237.14
		11/16/01	---	56.36	---	7236.94
		04/17/02	56.27	56.33	0.06	7236.96
		10/30/02	---	56.53	---	7236.91
		05/21/03	---	56.07	---	7237.17

Table 1
Summary of Groundwater Elevation Data
Thoreau Compressor Station No. 5
Transwestern Pipeline Company, LLC
McKinley County, New Mexico

Well ID	Top of Casing Elevation (feet amsl)	Date	Depth to LNAPL (feet below TOC)	Depth to Ground Water (feet below TOC)	LNAPL Thickness (feet)	Ground Water Elevation (feet amsl)
5-02B (Cont.)	7,293.24 (a)	11/10/03	---	56.89	---	7236.35
		06/07/04	---	dry	---	---
		06/08/05	---	dry	---	---
		07/10/06	---	dry	---	---
		07/25/07	---	dry	---	---
		09/22/08	---	dry	---	---
		08/04/09	---	dry	---	---
		05/18/10	---	dry	---	---
		09/25/11	---	56.36	---	7236.88
		06/12/12	---	dry	---	---
		07/23/13	---	dry	---	---
		11/26/14	Plugged and Abandoned			
5-02C	7,291.82	02/10/98	---	53.15	---	7238.67
		06/08/98	---	53.36	---	7238.46
		09/29/98	---	53.88	---	7237.94
		04/27/99	---	54.05	---	7237.77
		08/03/99	---	54.40	---	7237.42
		08/27/99	---	54.47	---	7237.35
		10/11/99	---	54.58	---	7237.24
		02/28/00	---	54.26	---	7237.56
		05/10/00	---	54.07	---	7237.75
		11/14/00	---	54.81	---	7237.01
		05/21/01	---	55.01	---	7236.81
		11/16/01	---	55.25	---	7236.57
		04/17/02	---	55.37	---	7236.45
		10/30/02	---	55.57	---	7236.25
		05/21/03	---	55.81	---	7236.01
		11/10/03	---	56.07	---	7235.75
		06/07/04	---	56.36	---	7235.46
		06/08/05	---	56.68	---	7235.14
		07/10/06	57.47	57.74	0.27	7234.29
		07/25/07	sheen	57.07	sheen	7234.75
		09/22/08	sheen	56.50	sheen	7235.32
		08/04/09	sheen	56.98	sheen	7234.84
		05/18/10	57.25	57.30	0.05	7234.56
		09/25/11	---	56.19	---	7235.63
		06/12/12	sheen	56.77	sheen	7235.05
		07/10/12	sheen	56.85	sheen	7234.97
		07/23/13	sheen	57.35	sheen	7234.47
		04/21/14	sheen	57.57	sheen	7234.25
		04/13/15	sheen	57.66	sheen	7234.16
		04/20/16	---	57.64	---	7234.18
		03/27/17	---	57.23	---	7234.59
		05/01/17	57.10	57.48	---	7234.34
		06/20/17	---	57.39	---	7234.43
		09/22/17	---	57.49	---	7234.33
		04/19/18	---	56.35	---	7235.47
		04/16/19	---	55.70	--	7236.12
		10/03/19	---	56.93	---	7234.89

Table 1
Summary of Groundwater Elevation Data
Thoreau Compressor Station No. 5
Transwestern Pipeline Company, LLC
McKinley County, New Mexico

Well ID	Top of Casing Elevation (feet amsl)	Date	Depth to LNAPL (feet below TOC)	Depth to Ground Water (feet below TOC)	LNAPL Thickness (feet)	Ground Water Elevation (feet amsl)
5-03B	7,303.76	08/29/90	---	43.77	---	7259.99
		01/07/91	---	44.10	---	7259.66
		02/12/91	---	44.12	---	7259.64
		03/05/91	---	44.24	---	7259.52
		04/10/91	---	44.31	---	7259.45
		05/21/91	---	44.53	---	7259.23
		06/18/91	---	44.68	---	7259.08
		07/23/91	---	44.95	---	7258.81
		09/04/91	---	45.14	---	7258.62
		10/02/91	---	45.19	---	7258.57
		11/05/91	---	45.15	---	7258.61
		12/10/91	---	44.90	---	7258.86
		01/09/92	---	44.67	---	7259.09
		01/27/92	---	44.43	---	7259.33
		02/19/92	---	44.19	---	7259.57
		03/17/92	---	43.82	---	7259.94
		04/28/92	---	43.26	---	7260.50
		10/06/92	---	42.06	---	7261.70
		10/07/92	---	42.09	---	7261.67
		04/19/93	---	41.92	---	7261.84
		04/20/93	---	41.98	---	7261.78
		11/14/95	---	46.49	---	7257.27
		02/15/96	---	47.02	---	7256.74
		05/21/96	---	47.54	---	7256.22
		08/12/96	---	47.95	---	7255.81
		11/18/96	---	48.30	---	7255.46
		02/24/97	---	48.68	---	7255.08
		05/19/97	---	48.91	---	7254.85
		08/18/97	---	49.15	---	7254.61
		11/16/97	---	49.34	---	7254.42
		02/10/98	---	49.49	---	7254.27
		06/08/98	---	49.65	---	7254.11
		09/29/98	---	49.80	---	7253.96
		04/27/99	---	49.91	---	7253.85
		10/11/99	---	49.96	---	7253.80
		05/10/00	---	50.08	---	7253.68
		11/14/00	---	50.33	---	7253.43
		05/21/01	---	50.55	---	7253.21
		11/16/01	---	50.74	---	7253.02
		04/17/02	---	50.88	---	7252.88
		10/30/02	---	51.03	---	7252.73
		05/20/03	---	51.31	---	7252.45
		11/10/03	---	51.43	---	7252.33
		06/07/04	---	51.50	---	7252.26
		06/08/05	---	51.77	---	7251.99
		07/10/06	---	52.08	---	7251.68
		07/25/07	---	52.33	---	7251.43
		09/22/08	---	52.40	---	7251.36
		08/04/09	---	52.39	---	7251.37
		05/18/10	---	52.46	---	7251.30
		09/25/11	---	52.13	---	7251.63
		06/12/12	---	52.12	---	7251.64
		07/23/13	---	52.04	---	7251.72

Table 1
Summary of Groundwater Elevation Data
Thoreau Compressor Station No. 5
Transwestern Pipeline Company, LLC
McKinley County, New Mexico

Well ID	Top of Casing Elevation (feet amsl)	Date	Depth to LNAPL (feet below TOC)	Depth to Ground Water (feet below TOC)	LNAPL Thickness (feet)	Ground Water Elevation (feet amsl)
5-03B (Cont.)	7,303.76	04/20/16	---	52.37	---	7251.39
		05/01/17	---	52.18	---	7251.58
		06/20/17	---	52.10	---	7251.66
		09/22/17	---	52.18	---	7251.58
		04/19/18	---	52.02	---	7251.74
		04/16/19	---	51.98	---	7251.78
		10/03/19	---	51.91	---	7251.85
5-04B	7,292.39	08/29/90	---	48.35	---	7244.04
		11/08/90	---	48.42	---	7243.97
		01/11/91	---	48.42	---	7243.97
		01/31/91	---	48.94	---	7243.45
		03/04/91	---	48.68	---	7243.71
		04/12/91	---	48.79	---	7243.60
		05/21/91	---	49.90	---	7242.49
		06/17/91	---	49.00	---	7243.39
		07/24/91	---	49.15	---	7243.24
		09/04/91	---	49.34	---	7243.05
		10/03/91	---	49.44	---	7242.95
		11/05/91	---	49.50	---	7242.89
		12/12/91	---	48.40	---	7243.99
		01/09/92	---	49.23	---	7243.16
		01/28/92	---	49.11	---	7243.28
		02/19/92	---	48.91	---	7243.48
		03/18/92	---	47.22	---	7245.17
		04/28/92	---	46.65	---	7245.74
		10/06/92	---	46.36	---	7246.03
		10/13/92	---	46.35	---	7246.04
		04/19/93	---	45.77	---	7246.62
		04/21/93	---	45.79	---	7246.60
		11/14/95	---	50.21	---	7242.18
		02/15/96	---	50.82	---	7241.57
	7,292.72 (a)	02/10/98	---	54.70	---	7238.02
		10/11/99	---	55.95	---	7236.77
		05/10/00	---	55.53	---	7237.19
		11/14/00	---	56.48	---	7236.24
		05/21/01	---	56.65	---	7236.07
		11/16/01	---	56.91	---	7235.81
		04/17/02	---	57.10	---	7235.62
		10/30/02	---	57.21	---	7235.51
		05/21/03	---	57.57	---	7235.15
		11/10/03	---	57.81	---	7234.91
		06/07/04	---	58.55	---	7234.17
		06/08/05	---	58.56	---	7234.16
		07/10/06	---	dry	---	---
		07/25/07	---	dry	---	---
		09/22/08	---	dry	---	---
		08/04/09	---	dry	---	---
		05/18/10	---	dry	---	---
		09/25/11	---	58.19	---	7234.53
		06/12/12	---	58.60	---	7234.12
		07/23/13	---	dry	---	---
		11/18/14	Plugged and Abandoned			

Table 1
Summary of Groundwater Elevation Data
Thoreau Compressor Station No. 5
Transwestern Pipeline Company, LLC
McKinley County, New Mexico

Well ID	Top of Casing Elevation (feet amsl)	Date	Depth to LNAPL (feet below TOC)	Depth to Ground Water (feet below TOC)	LNAPL Thickness (feet)	Ground Water Elevation (feet amsl)
5-05B	7,290.83	08/29/90	---	47.50	---	7243.33
		11/08/90	---	47.25	---	7243.58
		01/10/91	---	47.14	---	7243.69
		02/05/91	---	47.20	---	7243.63
		03/05/91	---	47.20	---	7243.63
		04/18/91	---	47.34	---	7243.49
		05/21/91	---	47.44	---	7243.39
		06/18/91	---	47.52	---	7243.31
		07/24/91	---	47.69	---	7243.14
		09/05/91	---	47.83	---	7243.00
		10/02/91	---	47.54	---	7243.29
		11/04/91	---	48.02	---	7242.81
		12/10/91	---	47.94	---	7242.89
		01/09/92	---	47.87	---	7242.96
		01/27/92	---	47.74	---	7243.09
		02/19/92	---	47.58	---	7243.25
		03/17/92	---	47.43	---	7243.40
		04/28/92	---	46.61	---	7244.22
		10/06/92	---	45.39	---	7245.44
		10/12/92	---	45.37	---	7245.46
		04/19/93	---	44.76	---	7246.07
		04/21/93	---	44.75	---	7246.08
		11/14/95	---	48.59	---	7242.24
		02/15/96	---	49.12	---	7241.71
		05/21/96	---	49.71	---	7241.12
		08/12/96	---	50.22	---	7240.61
		11/18/96	---	50.65	---	7240.18
		02/24/97	---	51.14	---	7239.69
		05/19/97	---	NM	---	---
		08/18/97	---	NM	---	---
		11/16/97	---	NM	---	---
	7,292.02 (a)	02/10/98	---	53.51	---	7238.51
		10/11/99	---	55.02	---	7237.00
		05/10/00	---	54.61	---	7237.41
		11/14/00	---	55.23	---	7236.79
		05/21/01	---	55.38	---	7236.64
		11/16/01	---	55.61	---	7236.41
		04/17/02	---	55.76	---	7236.26
		10/30/02	---	56.01	---	7236.01
		05/21/03	---	56.27	---	7235.75
		11/10/03	---	56.53	---	7235.49
		06/07/04	---	56.85	---	7235.17
		06/08/05	---	57.29	---	7234.73
		07/10/06	---	57.74	---	7234.28
		07/25/07	---	57.96	---	7234.06
		09/22/08	---	57.85	---	7234.17
		08/04/09	---	57.15	---	7234.87
		05/18/10	---	58.31	---	7233.71
		09/25/11	---	57.38	---	7234.64
		06/12/12	---	58.77	---	7233.25
		07/23/13	---	58.53	---	7233.49
		04/20/16	---	59.16	---	7232.86
		05/01/17	---	58.75	---	7233.27

Table 1
Summary of Groundwater Elevation Data
Thoreau Compressor Station No. 5
Transwestern Pipeline Company, LLC
McKinley County, New Mexico

Well ID	Top of Casing Elevation (feet amsl)	Date	Depth to LNAPL (feet below TOC)	Depth to Ground Water (feet below TOC)	LNAPL Thickness (feet)	Ground Water Elevation (feet amsl)
5-05B (Cont.)	7,292.02 (a)	06/20/17	---	58.66	---	7233.36
		09/22/17	---	58.51	---	7233.51
		04/19/18	---	58.17	---	7233.85
		04/16/19	---	57.83	---	7234.19
		10/03/19	---	57.87	---	7234.15
5-06B	7,289.30	08/29/90	---	43.47	---	7245.83
		11/08/90	---	43.24	---	7246.06
		01/08/91	---	43.42	---	7245.88
		02/12/91	---	43.50	---	7245.80
		03/05/91	---	43.50	---	7245.80
		04/18/91	---	43.61	---	7245.69
		05/21/91	---	43.66	---	7245.64
		06/18/91	---	43.74	---	7245.56
		07/23/91	---	43.83	---	7245.47
		09/05/91	---	44.00	---	7245.30
		10/03/91	---	44.06	---	7245.24
		11/05/91	---	44.16	---	7245.14
		12/10/91	---	44.17	---	7245.13
		01/09/92	---	44.16	---	7245.14
		01/27/92	---	44.08	---	7245.22
		02/20/92	---	43.94	---	7245.36
		03/18/92	---	43.76	---	7245.54
		04/29/92	---	43.43	---	7245.87
		10/06/92	---	42.52	---	7246.78
		10/14/92	---	42.49	---	7246.81
		04/19/93	---	41.94	---	7247.36
		11/14/95	---	44.64	---	7244.66
		02/15/96	---	44.99	---	7244.31
		05/21/96	---	45.41	---	7243.89
		08/12/96	---	45.65	---	7243.65
		11/18/96	---	45.92	---	7243.38
		02/24/97	---	46.30	---	7243.00
		05/19/97	---	46.54	---	7242.76
		08/18/97	---	46.73	---	7242.57
		11/16/97	---	47.01	---	7242.29
		Plugged and Abandoned				
5-06C	7,291.46	02/10/98	---	49.31	---	7242.15
		06/08/98	---	49.52	---	7241.94
		09/29/98	---	49.78	---	7241.68
		04/27/99	---	50.03	---	7241.43
		08/03/99	---	50.15	---	7241.31
		08/27/99	---	50.23	---	7241.23
		10/11/99	---	50.05	---	7241.41
		02/28/00	---	50.18	---	7241.28
		05/10/00	---	50.18	---	7241.28
		11/14/00	---	50.47	---	7240.99
		05/21/01	---	50.62	---	7240.84

Table 1
Summary of Groundwater Elevation Data
Thoreau Compressor Station No. 5
Transwestern Pipeline Company, LLC
McKinley County, New Mexico

Well ID	Top of Casing Elevation (feet amsl)	Date	Depth to LNAPL (feet below TOC)	Depth to Ground Water (feet below TOC)	LNAPL Thickness (feet)	Ground Water Elevation (feet amsl)
5-06C (Cont.)	7,291.46	11/16/01	---	49.81	---	7241.65
		04/17/02	---	50.93	---	7240.53
		10/30/02	---	51.11	---	7240.35
		05/21/03	---	51.19	---	7240.27
		11/10/03	---	51.37	---	7240.09
		06/07/04	---	51.45	---	7240.01
		06/08/05	---	51.61	---	7239.85
		07/10/06	---	51.90	---	7239.56
		07/25/07	---	52.09	---	7239.37
		09/22/08	---	52.26	---	7239.20
		08/04/09	---	52.26	---	7239.20
		05/18/10	---	52.16	---	7239.30
		09/25/11	---	52.16	---	7239.30
		06/12/12	---	52.28	---	7239.18
		07/10/12	---	52.30	---	7239.16
		07/23/13	---	52.36	---	7239.10
		04/22/14	---	52.38	---	7239.08
		04/13/15	---	52.47	---	7238.99
		04/20/16	---	52.53	---	7238.93
		03/27/17	---	52.39	---	7239.07
		05/01/17	--	52.37	--	7239.09
		06/20/17	---	52.33	---	7239.13
		09/22/17	---	52.46	---	7239.00
		04/19/18	---	52.33	---	7239.13
		04/16/19	---	52.24	---	7239.22
		10/03/19	---	52.42	---	7239.04
5-12B	7,279.61	08/14/90	---	48.85	---	7230.76
		11/15/90	---	48.92	---	7230.69
		01/09/91	---	48.96	---	7230.65
		02/13/91	---	49.00	---	7230.61
		03/07/91	---	49.00	---	7230.61
		04/12/91	---	49.05	---	7230.56
		05/22/91	---	49.12	---	7230.49
		06/19/91	---	49.20	---	7230.41
		07/25/91	---	49.27	---	7230.34
		09/16/91	---	49.37	---	7230.24
		10/09/91	---	49.43	---	7230.18
		01/07/92	---	49.49	---	7230.12
		04/30/92	---	49.07	---	7230.54
		10/06/92	---	48.27	---	7231.34
		10/08/92	---	48.28	---	7231.34
		04/19/93	---	47.45	---	7232.16
		11/14/95	---	49.71	---	7229.90
		02/15/96	---	50.02	---	7229.59
		05/21/96	---	50.31	---	7229.30
		08/12/96	---	50.61	---	7229.00
		11/18/96	---	50.89	---	7228.72
		02/24/97	---	51.24	---	7228.37

Table 1
Summary of Groundwater Elevation Data
Thoreau Compressor Station No. 5
Transwestern Pipeline Company, LLC
McKinley County, New Mexico

Well ID	Top of Casing Elevation (feet amsl)	Date	Depth to LNAPL (feet below TOC)	Depth to Ground Water (feet below TOC)	LNAPL Thickness (feet)	Ground Water Elevation (feet amsl)
5-12B (Cont.)	7,279.61	05/19/97	---	51.49	---	7228.12
		08/18/97	---	51.78	---	7227.83
		11/16/97	---	52.07	---	7227.54
		02/10/98	---	52.28	---	7227.33
		06/08/98	---	52.51	---	7227.10
		09/29/98	---	52.78	---	7226.83
		04/27/99	---	53.11	---	7226.50
		10/11/99	---	53.37	---	7226.24
		05/10/00	---	53.36	---	7226.25
		11/14/00	---	NM	---	---
		05/21/01	---	53.14	---	7226.47
		11/16/01	---	53.77	---	7225.84
		04/17/02	---	53.68	---	7225.93
		10/30/02	---	53.89	---	7225.72
		05/20/03	---	54.00	---	7225.61
		11/10/03	---	54.09	---	7225.52
		06/07/04	---	54.15	---	7225.46
		06/08/05	---	54.41	---	7225.20
		07/10/06	---	54.60	---	7225.01
		07/25/07	---	54.79	---	7224.82
		09/22/08	---	54.90	---	7224.71
		08/04/09	---	54.95	---	7224.66
		05/18/10	---	54.94	---	7224.67
		09/25/11	---	54.83	---	7224.78
		06/12/12	---	54.77	---	7224.84
		07/23/13	---	54.96	---	7224.65
		11/17/14	Plugged and Abandoned			
5-13B	7,282.43	08/14/90	---	52.43	---	7230.00
		11/15/90	---	52.76	---	7229.67
		01/09/91	---	52.82	---	7229.61
		02/07/91	---	52.89	---	7229.54
		03/07/91	---	52.92	---	7229.51
		04/12/91	---	53.00	---	7229.43
		05/22/91	---	53.06	---	7229.37
		06/19/91	---	53.15	---	7229.28
		07/26/91	---	53.26	---	7229.17
		09/16/91	---	53.36	---	7229.07
		10/10/91	---	53.42	---	7229.01
		01/08/92	---	53.58	---	7228.85
		05/01/92	---	52.88	---	7229.55
		10/06/92	---	51.80	---	7230.63
		10/13/92	---	51.78	---	7230.65
		04/19/93	---	51.08	---	7231.35
		11/14/95	---	53.85	---	7228.58
		02/15/96	---	54.18	---	7228.25
		05/21/96	---	54.52	---	7227.91
		08/12/96	---	54.81	---	7227.62
		11/18/96	---	55.05	---	7227.38
		02/24/97	---	55.37	---	7227.06
		05/19/97	---	55.60	---	7226.83
		08/18/97	---	55.87	---	7226.56
		11/16/97	---	56.13	---	7226.30
		02/10/98	---	56.36	---	7226.07

Table 1
Summary of Groundwater Elevation Data
Thoreau Compressor Station No. 5
Transwestern Pipeline Company, LLC
McKinley County, New Mexico

Well ID	Top of Casing Elevation (feet amsl)	Date	Depth to LNAPL (feet below TOC)	Depth to Ground Water (feet below TOC)	LNAPL Thickness (feet)	Ground Water Elevation (feet amsl)
5-13B (Cont.)	7,282.43	06/08/98	---	56.63	---	7225.80
		09/29/98	---	56.90	---	7225.53
		04/27/99	---	57.31	---	7225.12
		10/11/99	---	57.75	---	7224.68
		05/10/00	---	57.90	---	7224.53
		11/14/00	---	58.18	---	7224.25
		05/21/01	---	58.31	---	7224.12
		11/16/01	---	58.47	---	7223.96
		04/17/02	---	58.60	---	7223.83
		10/30/02	---	58.90	---	7223.53
		05/20/03	---	59.08	---	7223.35
		11/10/03	---	59.28	---	7223.15
		06/07/04	---	59.49	---	7222.94
		06/08/05	---	59.50	---	7222.93
		07/10/06	---	60.40	---	7222.03
		07/25/07	---	60.79	---	7221.64
		09/22/08	---	61.14	---	7221.29
		08/04/09	---	61.22	---	7221.21
		05/18/10	---	61.29	---	7221.14
		09/25/11	---	61.19	---	7221.24
		06/12/12	---	60.92	---	7221.51
		07/23/13	---	61.20	---	7221.23
		11/17/14	Plugged and Abandoned			
5-14B	7,285.76	08/14/90	---	55.14	---	7230.62
		11/14/90	---	55.02	---	7230.74
		01/09/91	---	55.12	---	7230.64
		02/07/91	---	55.19	---	7230.57
		03/07/91	---	55.21	---	7230.55
		04/12/91	---	55.64	---	7230.12
		05/22/91	---	55.36	---	7230.40
		06/19/91	---	55.38	---	7230.38
		07/25/91	---	55.54	---	7230.22
		09/16/91	---	55.63	---	7230.13
		10/09/91	---	55.72	---	7230.04
		01/06/92	---	55.74	---	7230.02
		04/30/92	---	55.02	---	7230.74
		10/06/92	---	53.94	---	7231.82
		10/08/92	---	53.93	---	7231.83
		04/19/93	---	53.25	---	7232.51
		11/14/95	---	56.25	---	7229.51
		02/15/96	---	56.62	---	7229.14
		05/21/96	---	57.02	---	7228.74
		08/12/96	---	57.33	---	7228.43
		11/18/96	---	57.64	---	7228.12
		02/24/97	---	58.01	---	7227.75
		05/19/97	---	58.27	---	7227.49
		08/18/97	---	58.56	---	7227.20
		11/16/97	---	58.86	---	7226.90
		02/10/98	---	59.08	---	7226.68
		06/08/98	---	59.41	---	7226.35
		09/29/98	---	59.69	---	7226.07
		04/27/99	---	60.17	---	7225.59
		10/11/99	---	60.43	---	7225.33

Table 1
Summary of Groundwater Elevation Data
Thoreau Compressor Station No. 5
Transwestern Pipeline Company, LLC
McKinley County, New Mexico

Well ID	Top of Casing Elevation (feet amsl)	Date	Depth to LNAPL (feet below TOC)	Depth to Ground Water (feet below TOC)	LNAPL Thickness (feet)	Ground Water Elevation (feet amsl)
5-14B (Cont.)	7,285.76	05/10/00	---	60.56	---	7225.20
		11/14/00	---	60.71	---	7225.05
		05/21/01	---	60.77	---	7224.99
		11/16/01	---	60.98	---	7224.78
		04/17/02	---	61.19	---	7224.57
		10/30/02	---	61.55	---	7224.21
		05/20/03	---	61.84	---	7223.92
		11/10/03	---	62.11	---	7223.65
		06/07/04	---	62.36	---	7223.40
		06/08/05	---	62.92	---	7222.84
		07/10/06	---	63.48	---	7222.28
		07/25/07	---	63.95	---	7221.81
		09/22/08	---	64.50	---	7221.26
		08/04/09	---	64.83	---	7220.93
		05/18/10	---	65.15	---	7220.61
		09/25/11	---	65.66	---	7220.10
		06/12/12	---	66.18	---	7219.58
		07/23/13	---	66.43	---	7219.33
		11/17/14	Plugged and Abandoned			
5-15B	7,292.92	08/14/90	---	49.86	---	7243.06
		11/14/90	---	49.98	---	7242.94
		01/10/91	---	50.10	---	7242.82
		02/07/91	---	50.16	---	7242.76
		03/06/91	---	50.17	---	7242.75
		04/10/91	---	50.25	---	7242.67
		05/23/91	---	50.45	---	7242.47
		06/19/91	---	50.54	---	7242.38
		07/25/91	---	50.70	---	7242.22
		09/16/91	---	50.92	---	7242.00
		10/09/91	---	50.95	---	7241.97
		01/07/92	---	50.57	---	7242.35
		04/30/92	---	48.74	---	7244.18
		10/06/92	---	47.75	---	7245.17
		10/08/92	---	47.74	---	7245.18
		04/19/93	---	47.41	---	7245.51
		11/14/95	---	51.84	---	7241.08
		02/15/96	---	52.42	---	7240.50
		05/21/96	---	53.04	---	7239.88
		08/12/96	---	53.52	---	7239.40
		11/18/96	---	53.99	---	7238.93
		02/24/97	---	54.48	---	7238.44
		05/19/97	---	54.60	---	7238.32
		08/18/97	---	55.18	---	7237.74
		11/16/97	---	55.48	---	7237.44
		02/10/98	---	55.70	---	7237.22
		06/08/98	---	56.00	---	7236.92
		09/29/98	---	56.35	---	7236.57
		04/27/99	---	56.55	---	7236.37
		08/03/99	---	57.02	---	7235.90
		08/27/99	---	57.10	---	7235.82
		10/11/99	---	56.98	---	7235.94
		02/28/00	---	56.60	---	7236.32
		05/10/00	---	56.63	---	7236.29

Table 1
Summary of Groundwater Elevation Data
Thoreau Compressor Station No. 5
Transwestern Pipeline Company, LLC
McKinley County, New Mexico

Well ID	Top of Casing Elevation (feet amsl)	Date	Depth to LNAPL (feet below TOC)	Depth to Ground Water (feet below TOC)	LNAPL Thickness (feet)	Ground Water Elevation (feet amsl)
5-15B (Cont.)	7,292.92	11/14/00	---	56.78	---	7236.14
		05/21/01	---	57.03	---	7235.89
		11/16/01	---	57.28	---	7235.64
		04/17/02	---	57.56	---	7235.36
		10/30/02	---	57.74	---	7235.18
		05/21/03	---	58.05	---	7234.87
		11/10/03	---	58.36	---	7234.56
		06/07/04	---	58.73	---	7234.19
		06/08/05	---	59.35	---	7233.57
		07/10/06	---	59.99	---	7232.93
		07/25/07	---	60.65	---	7232.27
		09/22/08	---	60.77	---	7232.15
		08/04/09	---	60.81	---	7232.11
		05/18/10	---	60.91	---	7232.01
		09/25/11	---	60.36	---	7232.56
		06/12/12	---	60.26	---	7232.66
		07/23/13	---	61.03	---	7231.89
		11/18/14	Plugged and Abandoned			
5-16B	7,288.82	08/14/90	---	47.21	---	7241.61
		11/14/90	---	47.46	---	7241.36
		01/10/91	---	47.60	---	7241.22
		02/06/91	---	47.62	---	7241.20
		03/06/91	---	47.63	---	7241.19
		04/09/91	---	47.73	---	7241.09
		05/23/91	---	47.87	---	7240.95
		06/18/91	---	47.91	---	7240.91
		07/26/91	---	48.04	---	7240.78
		09/03/91	---	48.17	---	7240.65
		10/11/91	---	48.30	---	7240.52
		11/12/91	---	48.34	---	7240.48
		12/12/91	---	48.22	---	7240.60
		01/08/92	---	48.11	---	7240.71
		02/20/92	---	47.76	---	7241.06
		03/18/92	---	47.43	---	7241.39
		04/29/92	---	46.89	---	7241.93
		10/06/92	---	45.97	---	7242.85
		10/13/92	---	45.95	---	7242.87
		04/19/93	---	45.61	---	7243.21
		04/20/93	---	45.62	---	7243.20
		11/14/95	---	48.88	---	7239.94
		02/15/96	---	49.33	---	7239.49
		05/21/96	---	50.11	---	7238.71
		08/12/96	---	50.41	---	7238.41
		11/18/96	---	50.74	---	7238.08
		02/24/97	---	51.08	---	7237.74
		05/19/97	---	51.35	---	7237.47
		08/18/97	---	51.67	---	7237.15
		11/16/97	---	52.02	---	7236.80
		02/10/98	---	52.16	---	7236.66
		06/08/98	---	52.42	---	7236.40
		09/29/98	---	52.86	---	7235.96
		04/27/99	---	53.02	---	7235.80
		08/03/99	---	53.98	---	7234.84

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Summary of Groundwater Elevation Data
Thoreau Compressor Station No. 5
Transwestern Pipeline Company, LLC
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Well ID	Top of Casing Elevation (feet amsl)	Date	Depth to LNAPL (feet below TOC)	Depth to Ground Water (feet below TOC)	LNAPL Thickness (feet)	Ground Water Elevation (feet amsl)
5-16B (Cont.)	7,288.82	08/27/99	---	54.06	---	7234.76
		10/11/99	---	53.66	---	7235.16
		02/28/00	---	53.21	---	7235.61
		05/10/00	---	53.50	---	7235.32
		11/14/00	---	53.52	---	7235.30
		05/21/01	---	53.71	---	7235.11
		11/16/01	---	53.93	---	7234.89
		04/17/02	---	54.11	---	7234.71
		10/30/02	---	54.34	---	7234.48
		05/21/03	---	54.65	---	7234.17
		11/10/03	---	54.94	---	7233.88
		06/07/04	---	55.32	---	7233.50
		06/08/05	---	55.94	---	7232.88
		07/10/06	---	56.57	---	7232.25
		07/25/07	---	57.11	---	7231.71
		09/22/08	---	57.50	---	7231.32
		08/04/09	---	57.56	---	7231.26
		05/18/10	---	57.73	---	7231.09
		09/25/11	---	57.27	---	7231.55
		06/12/12	---	57.23	---	7231.59
		07/23/13	---	57.89	---	7230.93
		04/21/14	---	60.22	---	7228.60
		04/13/15	---	60.18	---	7228.64
		04/20/16	---	60.88	---	7227.94
		03/27/17	---	NM	---	---
		05/01/17	---	58.79	---	7230.03
		06/20/17	---	58.71	---	7230.11
		09/22/17	---	58.77	---	7230.05
		04/19/18	---	58.47	---	7230.35
		04/16/19	---	57.80	---	7231.02
		10/03/19	---	57.47	---	7231.35
5-17B	7,284.75	08/14/90	---	40.79	---	7243.96
		11/15/90	---	40.83	---	7243.92
		01/10/91	---	40.96	---	7243.79
		02/08/91	---	40.99	---	7243.76
		03/06/91	---	41.01	---	7243.74
		04/11/91	---	41.06	---	7243.69
		05/22/91	---	41.14	---	7243.61
		06/18/91	---	41.23	---	7243.52
		07/25/91	---	41.34	---	7243.41
		09/16/91	---	41.50	---	7243.25
		10/09/91	---	41.60	---	7243.15
		01/07/92	---	41.60	---	7243.15
		02/19/92	---	41.46	---	7243.29
		03/17/92	---	41.21	---	7243.54
		04/28/92	---	40.84	---	7243.91
		10/06/92	---	39.97	---	7244.78

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Summary of Groundwater Elevation Data
Thoreau Compressor Station No. 5
Transwestern Pipeline Company, LLC
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Well ID	Top of Casing Elevation (feet amsl)	Date	Depth to LNAPL (feet below TOC)	Depth to Ground Water (feet below TOC)	LNAPL Thickness (feet)	Ground Water Elevation (feet amsl)
5-17B (Cont.)	7,284.75	10/07/92	---	39.97	---	7244.78
		04/19/93	---	39.40	---	7245.35
		11/14/95	---	42.06	---	7242.69
		02/15/96	---	42.46	---	7242.29
		05/21/96	---	42.94	---	7241.81
		08/12/96	---	43.33	---	7241.42
		11/18/96	---	43.72	---	7241.03
		02/24/97	---	44.14	---	7240.61
		05/19/97	---	44.44	---	7240.31
		08/18/97	---	44.76	---	7239.99
		11/16/97	---	45.07	---	7239.68
		02/10/98	---	45.30	---	7239.45
		06/08/98	---	45.58	---	7239.17
		09/29/98	---	45.97	---	7238.78
		04/27/99	---	46.36	---	7238.39
		10/11/99	---	46.78	---	7237.97
		05/10/00	---	46.57	---	7238.18
		11/14/00	---	47.19	---	7237.56
		05/21/01	---	47.34	---	7237.41
		11/16/01	---	47.58	---	7237.17
		04/17/02	---	47.70	---	7237.05
		10/30/02	---	48.04	---	7236.71
		05/20/03	---	48.22	---	7236.53
		11/10/03	---	48.51	---	7236.24
		06/07/04	---	48.69	---	7236.06
		06/08/05	---	48.73	---	7236.02
		07/10/06	---	49.71	---	7235.04
		07/25/07	---	49.99	---	7234.76
		09/22/08	---	50.06	---	7234.69
		08/04/09	---	50.50	---	7234.25
		05/18/10	---	50.82	---	7233.93
		09/25/11	---	50.44	---	7234.31
		06/12/12	---	50.33	---	7234.42
		07/23/13	---	51.13	---	7233.62
		04/20/16	---	53.58	---	7231.17
		05/01/17	---	51.81	---	7232.94
		06/20/17	---	51.54	---	7233.21
		09/22/17	---	52.40	---	7232.35
		04/19/18	---	52.89	---	7231.86
		04/16/19	---	52.32	---	7232.43
		10/03/19	---	53.50	---	7231.25

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Well ID	Top of Casing Elevation (feet amsl)	Date	Depth to LNAPL (feet below TOC)	Depth to Ground Water (feet below TOC)	LNAPL Thickness (feet)	Ground Water Elevation (feet amsl)
5-18B	7,286.41	08/14/90	---	51.67	---	7234.74
		08/24/90	---	51.68	---	7234.73
		11/15/90	---	51.60	---	7234.81
		01/04/91	---	51.66	---	7234.75
		02/13/91	---	51.76	---	7234.65
		03/06/91	---	51.79	---	7234.62
		04/16/91	---	51.90	---	7234.51
		06/19/91	---	52.05	---	7234.36
		07/26/91	---	52.21	---	7234.20
		09/16/91	---	52.35	---	7234.06
		10/11/91	---	52.41	---	7234.00
		01/08/92	---	52.40	---	7234.01
		05/01/92	---	51.38	---	7235.03
		10/06/92	---	50.24	---	7236.17
		10/13/92	---	50.22	---	7236.19
		04/19/93	---	49.68	---	7236.73
		04/22/93	---	49.70	---	7236.71
		11/14/95	---	53.04	---	7233.37
		02/15/96	---	53.49	---	7232.92
		05/21/96	---	53.94	---	7232.47
		08/12/96	---	54.31	---	7232.10
		11/18/96	---	54.64	---	7231.77
		02/24/97	---	55.03	---	7231.38
		05/19/97	---	55.25	---	7231.16
		08/18/97	---	55.51	---	7230.90
		11/16/97	---	55.75	---	7230.66
		02/10/98	---	55.94	---	7230.47
		06/08/98	---	56.18	---	7230.23
		09/29/98	---	56.43	---	7229.98
		04/27/99	---	56.81	---	7229.60
		10/11/99	---	57.26	---	7229.15
		05/10/00	---	57.18	---	7229.23
		11/14/00	---	57.38	---	7229.03
		05/21/01	---	57.47	---	7228.94
		11/16/01	---	57.87	---	7228.54
		04/17/02	---	57.85	---	7228.56
		10/30/02	---	58.16	---	7228.25
		05/20/03	---	58.40	---	7228.01
		11/10/03	---	58.71	---	7227.70
		06/07/04	---	59.03	---	7227.38
		06/08/05	---	59.65	---	7226.76
		07/10/06	---	60.29	---	7226.12
		07/25/07	---	60.82	---	7225.59
		09/22/08	---	61.28	---	7225.13
		08/04/09	---	61.46	---	7224.95
		05/18/10	---	61.61	---	7224.80
		09/25/11	---	61.38	---	7225.03
		06/12/12	---	61.18	---	7225.23
		07/23/13	---	61.65	---	7224.76
		04/21/14	---	61.84	---	7224.57
		04/13/15	---	62.09	---	7224.32
		04/20/16	---	62.52	---	7223.89
		03/27/17	---	62.66	---	7223.75

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Well ID	Top of Casing Elevation (feet amsl)	Date	Depth to LNAPL (feet below TOC)	Depth to Ground Water (feet below TOC)	LNAPL Thickness (feet)	Ground Water Elevation (feet amsl)
5-18B	7,286.41	05/01/17	---	62.68	---	7223.73
		06/20/17	---	61.65	---	7224.76
		09/22/17	---	62.69	---	7223.72
		04/19/18	---	62.49	---	7223.92
		04/16/19	---	61.82	---	7224.59
		10/03/19	---	64.63	---	7221.78
5-19B	7,290.52	08/14/90	---	49.44	---	7241.08
		11/14/90	---	49.76	---	7240.76
		01/10/91	---	49.86	---	7240.66
		02/07/91	---	49.90	---	7240.62
		03/06/91	---	49.92	---	7240.60
		04/09/91	---	50.02	---	7240.50
		05/23/91	---	50.92	---	7239.60
		06/19/91	---	50.23	---	7240.29
		07/26/91	---	50.37	---	7240.15
		09/16/91	---	50.55	---	7239.97
		10/10/91	---	50.60	---	7239.92
		01/08/92	---	50.36	---	7240.16
		02/20/92	---	50.04	---	7240.48
		03/19/92	---	49.60	---	7240.92
		04/29/92	---	48.97	---	7241.55
		10/06/92	---	48.05	---	7242.47
		10/13/92	---	48.04	---	7242.48
		04/19/93	---	47.73	---	7242.79
		11/14/95	---	51.30	---	7239.22
		02/15/96	---	51.75	---	7238.77
		05/21/96	---	52.26	---	7238.26
		08/12/96	---	52.66	---	7237.86
		11/18/96	---	53.02	---	7237.50
		02/24/97	---	53.44	---	7237.08
		05/19/97	---	53.73	---	7236.79
		08/18/97	---	NM	---	---
		11/16/97	---	54.29	---	7236.23
		02/10/98	---	54.49	---	7236.03
		06/08/98	---	54.74	---	7235.78
		09/29/98	---	55.05	---	7235.47
		04/27/99	---	55.26	---	7235.26
		08/03/99	---	55.78	---	7234.74
		08/27/99	---	55.87	---	7234.65
		10/11/99	---	55.73	---	7234.79
		02/28/00	---	55.33	---	7235.19
		05/10/00	---	55.39	---	7235.13
		11/14/00	---	55.51	---	7235.01
		05/21/01	---	55.74	---	7234.78
		11/16/01	---	55.96	---	7234.56
		04/17/02	---	56.11	---	7234.41
		10/30/02	---	56.36	---	7234.16

Table 1
Summary of Groundwater Elevation Data
Thoreau Compressor Station No. 5
Transwestern Pipeline Company, LLC
McKinley County, New Mexico

Well ID	Top of Casing Elevation (feet amsl)	Date	Depth to LNAPL (feet below TOC)	Depth to Ground Water (feet below TOC)	LNAPL Thickness (feet)	Ground Water Elevation (feet amsl)
5-19B (Cont.)	7,290.52	05/20/03	---	56.60	---	7233.92
		11/10/03	---	56.88	---	7233.64
		06/07/04	---	57.24	---	7233.28
		06/08/05	---	57.84	---	7232.68
		07/10/06	---	58.43	---	7232.09
		07/25/07	---	58.89	---	7231.63
		09/22/08	---	59.24	---	7231.28
		08/04/09	---	59.31	---	7231.21
		05/18/10	---	59.42	---	7231.10
		09/25/11	---	58.95	---	7231.57
		06/12/12	---	58.86	---	7231.66
		07/23/13	---	59.53	---	7230.99
		11/18/14	Plugged and Abandoned			
5-20B	7,284.60	08/14/90	---	48.50	---	7236.10
		01/09/91	---	48.70	---	7235.90
		02/07/91	---	48.79	---	7235.81
		03/07/91	---	48.80	---	7235.80
		04/16/91	---	48.88	---	7235.72
		05/20/91	---	48.92	---	7235.68
		06/19/91	---	49.02	---	7235.58
		07/26/91	---	49.13	---	7235.47
		09/16/91	---	49.25	---	7235.35
		10/10/91	---	49.32	---	7235.28
		01/08/92	---	49.36	---	7235.24
		05/01/92	---	48.48	---	7236.12
		10/06/92	---	47.61	---	7236.99
		10/12/92	---	47.58	---	7237.02
		04/19/93	---	47.26	---	7237.34
		04/21/93	---	47.31	---	7237.29
		11/14/95	---	49.63	---	7234.97
		02/15/96	---	50.03	---	7234.57
		05/21/96	---	50.39	---	7234.21
		08/12/96	---	50.66	---	7233.94
		11/18/96	---	50.99	---	7233.61
		02/24/97	---	51.28	---	7233.32
		05/19/97	---	51.54	---	7233.06
		08/18/97	---	51.88	---	7232.72
		11/16/97	---	52.21	---	7232.39
		02/10/98	---	52.46	---	7232.14
		06/08/98	---	52.62	---	7231.98
		09/29/98	---	52.95	---	7231.65
		04/27/99	---	53.30	---	7231.30
		10/11/99	---	53.78	---	7230.82
		05/10/00	---	53.23	---	7231.37
		11/14/00	---	53.53	---	7231.07
		05/21/01	---	53.62	---	7230.98
		11/16/01	---	53.73	---	7230.87
		04/17/02	---	53.78	---	7230.82
		10/30/02	---	54.04	---	7230.56
		05/20/03	---	54.17	---	7230.43
		11/10/03	---	54.29	---	7230.31
		06/07/04	---	54.45	---	7230.15
		06/08/05	---	54.50	---	7230.10

Table 1
Summary of Groundwater Elevation Data
Thoreau Compressor Station No. 5
Transwestern Pipeline Company, LLC
McKinley County, New Mexico

Well ID	Top of Casing Elevation (feet amsl)	Date	Depth to LNAPL (feet below TOC)	Depth to Ground Water (feet below TOC)	LNAPL Thickness (feet)	Ground Water Elevation (feet amsl)
5-20B (Cont.)	7,284.60	07/10/06	---	55.33	---	7229.27
		07/25/07	---	55.74	---	7228.86
		09/22/08	---	56.02	---	7228.58
		08/04/09	---	56.13	---	7228.47
		05/18/10	---	56.15	---	7228.45
		09/25/11	---	55.82	---	7228.78
		06/12/12	---	55.80	---	7228.80
		07/23/13	---	56.24	---	7228.36
		04/21/14	---	56.56	---	7228.04
		04/13/15	---	56.78	---	7227.82
		04/20/16	---	57.09	---	7227.51
		03/27/17	---	57.08	---	7227.52
		05/01/17	---	57.16	---	7227.44
		06/20/17	---	57.16	---	7227.44
		09/22/17	---	57.10	---	7227.50
		04/19/18	---	56.90	---	7227.70
		04/16/19	---	56.29	---	7228.31
		10/03/19	---	56.73	---	7227.87
5-22B	7,292.74	10/25/90	---	48.08	---	7244.66
		11/15/90	---	48.08	---	7244.66
		01/10/91	---	48.33	---	7244.41
		02/04/91	---	48.38	---	7244.36
		03/06/91	---	48.42	---	7244.32
		04/11/91	---	48.49	---	7244.25
		05/21/91	---	48.65	---	7244.09
		06/17/91	---	48.76	---	7243.98
		07/24/91	---	49.24	---	7243.50
		09/04/91	---	49.06	---	7243.68
		10/03/91	---	49.19	---	7243.55
		11/04/91	---	49.26	---	7243.48
		12/12/91	---	49.15	---	7243.59
		01/10/92	---	49.00	---	7243.74
		01/28/92	---	48.84	---	7243.90
		02/19/92	---	48.67	---	7244.07
		03/18/92	---	48.24	---	7244.50
		04/28/92	---	47.46	---	7245.28
		10/06/92	---	45.97	---	7246.77
		10/08/92	---	45.98	---	7246.76
		04/19/93	---	45.34	---	7247.40
		11/14/95	---	NM	---	---
		02/15/96	---	NM	---	---
		05/21/96	---	51.25	---	7241.49
		08/12/96	---	51.91	---	7240.83
		11/18/96	---	NM	---	---
		02/27/97	---	52.95	---	7239.79
		05/19/97	---	53.13	---	7239.61
		08/18/97	---	53.51	---	7239.23

Table 1
Summary of Groundwater Elevation Data
Thoreau Compressor Station No. 5
Transwestern Pipeline Company, LLC
McKinley County, New Mexico

Well ID	Top of Casing Elevation (feet amsl)	Date	Depth to LNAPL (feet below TOC)	Depth to Ground Water (feet below TOC)	LNAPL Thickness (feet)	Ground Water Elevation (feet amsl)
5-22B (Cont.)	7,292.74	11/16/97	---	53.79	---	7238.95
		02/10/98	---	dry	---	---
		09/08/98	---	54.05	---	7238.69
		09/29/98	---	54.16	---	7238.58
		04/27/99	---	dry	---	---
		10/11/99	---	dry	---	---
		05/10/00	---	dry	---	---
		11/14/00	---	dry	---	---
		05/21/01	---	dry	---	---
		11/16/01	---	dry	---	---
		04/17/02	---	dry	---	---
		10/30/02	---	dry	---	---
		05/21/03	---	dry	---	---
		11/10/03	---	dry	---	---
		06/07/04	---	dry	---	---
		06/08/05	---	dry	---	---
		07/10/06	---	dry	---	---
		07/25/07	---	dry	---	---
		09/22/08	---	dry	---	---
		08/04/09	---	dry	---	---
		05/18/10	---	dry	---	---
		09/25/11	---	53.48	---	7239.26
		06/12/12	---	54.00	---	7238.74
		07/23/13	---	54.32	---	7238.42
		11/26/14	Plugged and Abandoned			
5-23B	7,282.63	10/25/90	---	55.78	---	7226.85
		11/15/90	---	55.75	---	7226.88
		01/03/91	---	55.90	---	7226.73
		02/07/91	---	56.20	---	7226.43
		03/07/91	---	56.02	---	7226.61
		04/16/91	---	56.08	---	7226.55
		05/22/91	---	56.14	---	7226.49
		06/19/91	---	56.17	---	7226.46
		07/25/91	---	56.28	---	7226.35
		09/03/91	---	56.38	---	7226.25
		10/09/91	---	56.47	---	7226.16
		11/11/91	---	56.56	---	7226.07
		12/13/91	---	56.63	---	7226.00
		01/07/92	---	56.58	---	7226.05
		02/18/92	---	56.58	---	7226.05
		03/17/92	---	56.42	---	7226.21
		04/30/92	---	56.12	---	7226.51
		10/06/92	---	55.19	---	7227.44
		10/09/92	---	55.19	---	7227.44
		04/19/93	---	54.56	---	7228.07
		11/14/95	---	57.02	---	7225.61
		02/15/96	---	57.39	---	7225.24
		05/21/96	---	57.79	---	7224.84
		08/12/96	---	58.11	---	7224.52
		11/18/96	---	58.38	---	7224.25
		02/24/97	---	58.75	---	7223.88
		05/19/97	---	59.01	---	7223.62
		08/18/97	---	59.33	---	7223.30

Table 1
Summary of Groundwater Elevation Data
Thoreau Compressor Station No. 5
Transwestern Pipeline Company, LLC
McKinley County, New Mexico

Well ID	Top of Casing Elevation (feet amsl)	Date	Depth to LNAPL (feet below TOC)	Depth to Ground Water (feet below TOC)	LNAPL Thickness (feet)	Ground Water Elevation (feet amsl)
5-23B (Cont.)	7,282.63	11/16/97	---	59.66	---	7222.97
		02/10/98	---	59.97	---	7222.66
		06/08/98	---	60.36	---	7222.27
		09/29/98	---	60.73	---	7221.90
		04/27/99	---	61.29	---	7221.34
		10/11/99	---	61.66	---	7220.97
		05/10/00	---	61.88	---	7220.75
		11/14/00	---	62.09	---	7220.54
		05/21/01	---	62.19	---	7220.44
		11/16/01	---	62.33	---	7220.30
		04/17/02	---	62.47	---	7220.16
		10/30/02	---	62.74	---	7219.89
		05/20/03	---	62.94	---	7219.69
		11/10/03	---	63.16	---	7219.47
		06/07/04	---	63.40	---	7219.23
		06/08/05	---	63.93	---	7218.70
		07/10/06	---	64.52	---	7218.11
		07/25/07	---	65.07	---	7217.56
		09/22/08	---	65.63	---	7217.00
		08/04/09	---	65.89	---	7216.74
		05/18/10	---	66.11	---	7216.52
		09/25/11	---	66.23	---	7216.40
		06/12/12	---	66.17	---	7216.46
		07/23/13	---	66.44	---	7216.19
		11/17/14	Plugged and Abandoned			
5-24B	7,279.18	10/25/90	---	53.64	---	7225.54
		11/15/90	---	53.72	---	7225.46
		01/03/91	---	53.76	---	7225.42
		01/09/91	---	53.78	---	7225.40
		02/07/91	---	53.86	---	7225.32
		03/07/91	---	53.86	---	7225.32
		04/16/91	---	53.94	---	7225.24
		05/22/91	---	54.00	---	7225.18
		07/26/91	---	54.15	---	7225.03
		09/03/91	---	54.21	---	7224.97
		10/10/91	---	54.30	---	7224.88
		11/11/91	---	54.38	---	7224.80
		12/13/91	---	54.43	---	7224.75
		01/07/92	---	54.40	---	7224.78
		02/18/92	---	54.40	---	7224.78
		03/17/92	---	54.25	---	7224.93
		04/30/92	---	53.98	---	7225.20
		10/06/92	---	53.06	---	7226.12
		10/13/92	---	53.02	---	7226.16
		04/19/93	---	52.33	---	7226.85
		04/21/93	---	52.33	---	7226.85
		11/14/95	---	54.62	---	7224.56
		02/15/96	---	54.96	---	7224.22
		05/21/96	---	55.38	---	7223.80
		08/12/96	---	55.66	---	7223.52
		11/18/96	---	55.93	---	7223.25
		02/24/97	---	56.26	---	7222.92
		05/19/97	---	56.50	---	7222.68

Table 1
Summary of Groundwater Elevation Data
Thoreau Compressor Station No. 5
Transwestern Pipeline Company, LLC
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Well ID	Top of Casing Elevation (feet amsl)	Date	Depth to LNAPL (feet below TOC)	Depth to Ground Water (feet below TOC)	LNAPL Thickness (feet)	Ground Water Elevation (feet amsl)
5-24B (Cont.)	7,279.18	08/18/97	---	56.78	---	7222.40
		11/16/97	---	57.07	---	7222.11
		02/10/98	---	57.32	---	7221.86
		06/08/98	---	57.69	---	7221.49
		09/29/98	---	58.03	---	7221.15
		04/27/99	---	58.56	---	7220.62
		10/11/99	---	58.89	---	7220.29
		05/10/00	---	59.04	---	7220.14
		11/14/00	---	59.22	---	7219.96
		05/21/01	---	59.29	---	7219.89
		11/16/01	---	59.38	---	7219.80
		04/17/02	---	59.45	---	7219.73
		10/30/02	---	59.66	---	7219.52
		05/20/03	---	59.79	---	7219.39
		11/10/03	---	59.93	---	7219.25
		06/07/04	---	60.07	---	7219.11
		06/08/05	---	60.41	---	7218.77
		07/10/06	---	60.68	---	7218.50
		07/25/07	---	60.85	---	7218.33
		09/22/08	---	60.96	---	7218.22
		08/04/09	---	61.00	---	7218.18
		05/18/10	---	61.00	---	7218.18
		09/25/11	---	60.89	---	7218.29
		06/12/12	---	60.82	---	7218.36
		07/23/13	---	61.02	---	7218.16
		11/17/14	Plugged and Abandoned			
5-34B	7,294.71	05/12/92	---	48.62	---	7246.09
		05/13/92	---	48.60	---	7246.11
		05/14/92	---	48.58	---	7246.13
		06/19/92	---	48.18	---	7246.53
		07/28/92	---	47.88	---	7246.83
		04/19/93	---	46.98	---	7247.73
		11/14/95	---	52.33	---	7242.38
		02/16/96	---	NM	---	---
		08/12/96	---	NM	---	---
		11/18/96	---	NM	---	---
		02/24/97	---	NM	---	---
		05/19/97	---	NM	---	---
		08/18/97	---	NM	---	---
		11/16/97	---	NM	---	---
		02/10/98	---	61.00	---	7233.71
		10/11/99	58.54	58.56	0.02	7236.17
		05/10/00	57.33	57.35	0.02	7237.38
		11/14/00	---	57.61	---	7237.10
		05/21/01	58.78	58.83	0.05	7235.92
		11/16/01	---	59.26	---	7235.45
		04/17/02	59.09	59.86	0.77	7235.44
		10/30/02	---	60.10	---	7234.61
		05/21/03	59.48	60.72	1.24	7234.93
		11/10/03	---	61.31	---	7233.40
		06/07/04	60.32	61.38	1.06	7234.14
		06/08/05	---	61.26	---	7233.45
		08/05/05	---	61.33	---	7233.38

Table 1
Summary of Groundwater Elevation Data
Thoreau Compressor Station No. 5
Transwestern Pipeline Company, LLC
McKinley County, New Mexico

Well ID	Top of Casing Elevation (feet amsl)	Date	Depth to LNAPL (feet below TOC)	Depth to Ground Water (feet below TOC)	LNAPL Thickness (feet)	Ground Water Elevation (feet amsl)
5-34B (Cont.)	7,294.71	07/10/06	61.02	61.56	0.54	7233.56
		07/25/07	62.44	62.97	0.53	7232.14
		09/22/08	61.35	61.40	0.05	7233.35
		08/04/09	61.05	61.06	0.01	7233.66
		05/18/10	61.73	61.78	0.05	7232.97
		09/25/11	---	60.61	---	7234.10
		06/12/12	sheen	60.89	sheen	7233.82
		07/23/13	61.55	61.58	0.03	7233.15
		04/20/16	62.09	62.15	0.06	7232.61
		05/01/17	---	61.31	---	7233.40
		06/20/17	---	61.14	---	7233.57
		09/22/17	---	61.04	---	7233.67
		04/19/18	---	60.59	---	7234.12
		04/16/19	---	60.56	---	7234.15
		10/03/19	---	60.71	---	7234.00
5-35B	7,296.11	05/05/92	---	50.55	---	7245.56
		05/14/92	---	50.32	---	7245.79
		05/30/92	---	50.14	---	7245.97
		06/19/92	---	49.94	---	7246.17
		06/29/92	---	49.81	---	7246.30
		07/24/92	---	49.61	---	7246.50
		08/07/92	---	49.51	---	7246.60
		08/31/92	---	49.35	---	7246.76
		09/15/92	---	49.29	---	7246.82
		09/29/92	---	49.26	---	7246.85
		10/14/92	---	49.20	---	7246.91
		04/19/93	---	48.79	---	7247.32
		04/22/93	---	48.73	---	7247.38
		11/14/95	---	NM	---	---
		02/15/96	---	NM	---	---
		08/12/96	---	NM	---	---
		11/18/96	---	NM	---	---
		02/24/97	---	NM	---	---
		05/19/97	sheen	56.21	sheen	7240.67
		08/18/97	---	56.41	---	7240.47
		11/16/97	---	NM	---	---
	7,295.33 (a)	02/10/98	---	55.79	---	7239.54
		10/11/99	57.15	57.16	0.01	7238.18
		05/10/00	---	56.68	---	7238.65
		11/14/00	---	57.30	---	7238.03
		05/21/01	---	57.51	---	7237.82
		11/16/01	---	57.75	---	7237.58
		04/17/02	---	57.96	---	7237.37
		10/30/02	---	57.97	---	7237.36
		05/21/03	---	58.31	---	7237.02
		11/10/03	---	58.43	---	7236.90
		06/07/04	---	58.69	---	7236.64

Table 1
Summary of Groundwater Elevation Data
Thoreau Compressor Station No. 5
Transwestern Pipeline Company, LLC
McKinley County, New Mexico

Well ID	Top of Casing Elevation (feet amsl)	Date	Depth to LNAPL (feet below TOC)	Depth to Ground Water (feet below TOC)	LNAPL Thickness (feet)	Ground Water Elevation (feet amsl)
5-35B (Cont.)	7,295.33 (a)	06/08/05	---	58.89	---	7236.44
		07/10/06	---	58.99	---	7236.34
		07/25/07	---	58.97	---	7236.36
		09/22/08	---	58.43	---	7236.90
		08/04/09	---	58.60	---	7236.73
		05/18/10	---	58.72	---	7236.61
		09/25/11	---	57.71	---	7237.62
		06/12/12	---	58.23	---	7237.10
		07/23/13	---	58.75	---	7236.58
		04/22/14	---	58.91	---	7236.42
		04/13/15	---	58.93	---	7236.40
		04/20/16	---	59.02	---	7236.31
		03/28/17	--	58.43	--	7236.90
		05/01/17	---	58.20	---	7237.13
		06/20/17	---	58.28	---	7237.05
		09/22/17	---	58.32	---	7237.01
		04/19/18	---	57.84	---	7237.49
		04/16/19	---	57.95	---	7237.38
		10/03/19	---	58.15	---	7237.18
5-36E	7,296.56	10/11/99	---	60.76	---	7235.80
		05/10/00	---	59.76	---	7236.80
		11/14/00	---	59.25	---	7237.31
		11/16/01	---	61.31	---	7235.25
		04/17/02	---	61.51	---	7235.05
		10/30/02	---	61.59	---	7234.97
		05/21/03	---	61.46	---	7235.10
		11/10/03	---	61.86	---	7234.70
		06/07/04	---	62.30	---	7234.26
		06/08/05	---	62.62	---	7233.94
		07/10/06	---	62.83	---	7233.73
		07/25/07	---	62.93	---	7233.63
		09/22/08	---	62.46	---	7234.10
		08/04/09	---	61.84	---	7234.72
		05/18/10	---	63.11	---	7233.45
		09/25/11	---	61.82	---	7234.74
		06/12/12	---	62.25	---	7234.31
		07/23/13	---	62.97	---	7233.59
		04/20/16	---	63.22	---	7233.34
		05/01/17	---	62.26	---	7234.30
		06/20/17	---	62.36	---	7234.20
		09/22/17	---	62.30	---	7234.26
		04/19/18	---	62.00	---	7234.56
		04/16/19	---	61.98	---	7234.58
		10/03/19	---	64.14	---	7232.42

Table 1
Summary of Groundwater Elevation Data
Thoreau Compressor Station No. 5
Transwestern Pipeline Company, LLC
McKinley County, New Mexico

Well ID	Top of Casing Elevation (feet amsl)	Date	Depth to LNAPL (feet below TOC)	Depth to Ground Water (feet below TOC)	LNAPL Thickness (feet)	Ground Water Elevation (feet amsl)
5-37I	7,296.31	10/11/99	---	58.90	---	7237.41
		05/10/00	---	58.46	---	7237.85
		11/14/00	---	58.99	---	7237.32
		11/16/01	---	59.46	---	7236.85
		04/17/02	---	59.64	---	7236.67
		10/30/02	---	59.71	---	7236.60
		05/21/03	---	59.94	---	7236.37
		11/10/03	---	60.14	---	7236.17
		06/07/04	---	60.33	---	7235.98
		06/08/05	---	60.37	---	7235.94
		07/10/06	---	60.47	---	7235.84
		07/25/07	---	60.45	---	7235.86
		09/22/08	---	59.93	---	7236.38
		08/04/09	---	60.28	---	7236.03
		05/18/10	---	60.18	---	7236.13
		09/25/11	---	59.15	---	7237.16
		06/12/12	---	59.71	---	7236.60
		07/23/13	---	60.27	---	7236.04
		04/20/16	---	60.52	---	7235.79
		05/01/17	---	59.66	---	7236.65
		06/20/17	---	59.79	---	7236.52
		09/22/17	---	59.63	---	7236.68
		04/19/18	---	59.22	---	7237.09
		04/16/19	---	59.41	---	7236.90
		10/03/19	---	59.64	---	7236.67
5-41B	7,279.73	10/06/92	---	61.03	---	7218.70
		10/09/92	---	60.99	---	7218.74
		04/19/93	---	60.38	---	7219.35
		04/20/93	---	60.40	---	7219.33
		11/14/95	---	61.90	---	7217.83
		02/15/96	---	62.26	---	7217.47
		05/21/96	---	62.72	---	7217.01
		08/12/96	---	63.12	---	7216.61
		11/18/96	---	63.52	---	7216.21
		02/24/97	---	63.97	---	7215.76
		05/19/97	---	64.36	---	7215.37
		08/18/97	---	64.72	---	7215.01
		11/16/97	---	NM	---	---
		02/10/98	---	NM	---	---
		05/10/00	---	NM	---	---
		11/14/00	---	NM	---	---
		11/17/14	Plugged and Abandoned			

Table 1
Summary of Groundwater Elevation Data
Thoreau Compressor Station No. 5
Transwestern Pipeline Company, LLC
McKinley County, New Mexico

Well ID	Top of Casing Elevation (feet amsl)	Date	Depth to LNAPL (feet below TOC)	Depth to Ground Water (feet below TOC)	LNAPL Thickness (feet)	Ground Water Elevation (feet amsl)
5-47B	7,268.35	10/06/92	---	62.71	---	7205.64
		10/07/92	---	62.71	---	7205.64
		04/19/93	---	62.18	---	7206.17
		04/20/93	---	62.20	---	7206.15
		11/14/95	---	62.77	---	7205.58
		02/15/96	---	63.27	---	7205.08
		05/21/96	---	63.83	---	7204.52
		08/12/96	---	64.31	---	7204.04
		11/18/96	---	64.75	---	7203.60
		02/24/97	---	NM	---	---
		05/19/97	---	65.39	---	7202.96
		08/18/97	---	66.03	---	7202.32
		11/16/97	---	NM	---	---
		Plugged and Abandoned				
5-48B	7,292.64	10/06/92	---	46.80	---	7245.84
		10/12/92	---	46.96	---	7245.68
		04/19/93	---	46.52	---	7246.12
		04/21/93	---	46.51	---	7246.13
		11/14/95	---	51.00	---	7241.64
		02/15/96	---	51.60	---	7241.04
		05/21/96	---	52.22	---	7240.42
		08/12/96	---	52.75	---	7239.89
		11/18/96	---	53.24	---	7239.40
		02/24/97	---	53.76	---	7238.88
		05/19/97	---	54.11	---	7238.53
		08/18/97	---	54.49	---	7238.15
		11/16/97	---	54.78	---	7237.86
		02/10/98	---	NM	---	---
		06/08/98	---	NM	---	---
		09/29/98	---	55.67	---	7236.97
		04/27/99	---	55.93	---	7236.71
		08/03/99	---	56.32	---	7236.32
		08/27/99	---	56.41	---	7236.23
		10/11/99	---	56.44	---	7236.20
		02/28/00	---	56.19	---	7236.45
		05/10/00	---	56.08	---	7236.56
		11/14/00	---	56.35	---	7236.29
		05/21/01	---	56.57	---	7236.07
		11/16/01	---	56.82	---	7235.82
		04/17/02	---	57.05	---	7235.59
		10/30/02	---	57.22	---	7235.42
		05/21/03	---	57.54	---	7235.10
		11/10/03	---	57.82	---	7234.82
		06/07/04	---	58.23	---	7234.41
		06/08/05	---	58.86	---	7233.78
		07/10/06	---	59.44	---	7233.20
		07/25/07	---	59.84	---	7232.80
		09/22/08	---	dry	---	---
		08/04/09	---	dry	---	---
		05/18/10	---	dry	---	---
		09/25/11	---	59.65	---	7232.99
		06/12/12	---	59.68	---	7232.96
		07/23/13	---	dry	---	---

Table 1
Summary of Groundwater Elevation Data
Thoreau Compressor Station No. 5
Transwestern Pipeline Company, LLC
McKinley County, New Mexico

Well ID	Top of Casing Elevation (feet amsl)	Date	Depth to LNAPL (feet below TOC)	Depth to Ground Water (feet below TOC)	LNAPL Thickness (feet)	Ground Water Elevation (feet amsl)
5-48B (Cont.)	7,292.64	04/20/16	---	dry	---	---
		05/01/17	---	dry	---	---
		06/20/17	---	dry	---	---
		09/22/17	---	dry	---	---
		04/19/18	---	dry	---	---
		04/16/19	---	59.72	--	7232.92
		10/03/19	---	59.77	---	7232.87
5-57B	7,257.80	04/19/93	---	59.97	---	7197.83
		11/14/95	---	60.21	---	7197.59
		02/15/96	---	60.58	---	7197.22
		05/21/96	---	61.03	---	7196.77
		08/12/96	---	61.44	---	7196.36
		11/18/96	---	61.80	---	7196.00
		02/24/97	---	62.20	---	7195.60
		05/19/97	---	62.51	---	7195.29
		08/18/97	---	62.82	---	7194.98
		11/16/97	---	NM	---	---
		Plugged and Abandoned				
5-58B	7,279.38	04/19/93	---	64.09	---	7215.29
		11/14/95	---	65.55	---	7213.83
		02/15/96	---	66.16	---	7213.22
		05/21/96	---	66.83	---	7212.55
		08/12/96	---	67.37	---	7212.01
		11/18/96	---	67.86	---	7211.52
		02/24/97	---	68.42	---	7210.96
		05/19/97	---	68.82	---	7210.56
		08/18/97	---	69.21	---	7210.17
		11/16/97	---	NM	---	---
		Plugged and Abandoned				
5-59	7,290.82	11/16/01	---	49.97	---	7240.85
		04/17/02	---	50.07	---	7240.75
		10/30/02	---	50.29	---	7240.53
		05/21/03	---	50.38	---	7240.44
		11/10/03	---	50.57	---	7240.25
		06/07/04	---	50.66	---	7240.16
		06/08/05	---	50.84	---	7239.98
		07/10/06	---	51.12	---	7239.70
		07/25/07	---	51.32	---	7239.50
		09/22/08	---	51.50	---	7239.32
		08/04/09	---	51.49	---	7239.33
		05/18/10	---	51.42	---	7239.40
		09/25/11	---	51.40	---	7239.42
		06/12/12	---	51.51	---	7239.31
		07/10/12	---	51.53	---	7239.29
		07/23/13	---	51.59	---	7239.23
		04/22/14	---	51.63	---	7239.19
		04/13/15	---	51.71	---	7239.11

Table 1
Summary of Groundwater Elevation Data
Thoreau Compressor Station No. 5
Transwestern Pipeline Company, LLC
McKinley County, New Mexico

Well ID	Top of Casing Elevation (feet amsl)	Date	Depth to LNAPL (feet below TOC)	Depth to Ground Water (feet below TOC)	LNAPL Thickness (feet)	Ground Water Elevation (feet amsl)
5-59 (Cont.)	7,290.82	04/20/16	---	51.77	---	7239.05
		03/27/17	---	51.66	---	7239.16
		05/01/17	--	51.61	--	7239.21
		06/20/17	---	51.58	---	7239.24
		09/22/17	---	51.70	---	7239.12
		04/19/18	---	51.53	---	7239.29
		04/16/19	---	51.51	---	7239.31
		10/03/19	---	52.42	---	7238.40
5-60	7,290.83	11/16/01	---	52.01	---	7238.82
		04/17/02	---	52.07	---	7238.76
		10/30/02	---	52.27	---	7238.56
		05/21/03	---	52.33	---	7238.50
		11/10/03	---	52.51	---	7238.32
		06/07/04	---	52.60	---	7238.23
		06/08/05	---	52.75	---	7238.08
		07/10/06	---	52.97	---	7237.86
		07/25/07	---	53.10	---	7237.73
		09/22/08	---	53.26	---	7237.57
		08/04/09	---	53.30	---	7237.53
		05/18/10	---	53.17	---	7237.66
		09/25/11	---	52.83	---	7238.00
		06/12/12	---	53.09	---	7237.74
		07/23/13	---	53.47	---	7237.36
		04/20/16	---	53.72	---	7237.11
		05/01/17	--	53.24	--	7237.59
		06/20/17	---	53.11	---	7237.72
		09/22/17	---	53.01	---	7237.82
		04/19/18	---	52.94	---	7237.89
		04/16/19	---	52.93	---	7237.90
		10/03/19	---	53.05	---	7237.78
SVE-1	7,296.88	02/10/98	---	58.35	---	7238.53
		10/11/99	---	59.28	---	7237.60
		05/10/00	---	58.78	---	7238.10
		11/14/00	---	59.07	---	7237.81
		11/16/01	---	59.83	---	7237.05
		04/17/02	---	60.01	---	7236.87
		10/30/02	---	60.20	---	7236.68
		05/21/03	---	60.54	---	7236.34
		11/10/03	---	60.84	---	7236.04
		06/07/04	---	61.16	---	7235.72
		06/08/05	---	61.46	---	7235.42
		07/10/06	---	dry	---	---
		07/25/07	---	dry	---	---
		09/22/08	---	dry	---	---
		08/04/09	---	dry	---	---
		05/18/10	---	dry	---	---
		09/25/11	---	61.39	---	7235.49
		06/12/12	---	61.31	---	7235.57
		07/23/13		61.43	---	7235.45
		11/18/14	Plugged and Abandoned			

Table 1
Summary of Groundwater Elevation Data
Thoreau Compressor Station No. 5
Transwestern Pipeline Company, LLC
McKinley County, New Mexico

Well ID	Top of Casing Elevation (feet amsl)	Date	Depth to LNAPL (feet below TOC)	Depth to Ground Water (feet below TOC)	LNAPL Thickness (feet)	Ground Water Elevation (feet amsl)
SVE-2	7,297.68	02/10/98	---	58.85	---	7238.83
		10/11/99	---	59.57	---	7238.11
		05/10/00	---	58.99	---	7238.69
		11/14/00	---	59.29	---	7238.39
		11/16/01	---	60.14	---	7237.54
		04/17/02	---	60.28	---	7237.40
		10/30/02	---	60.49	---	7237.19
		05/21/03	---	60.83	---	7236.85
		11/10/03	---	61.18	---	7236.50
		06/07/04	---	61.49	---	7236.19
		06/08/05	---	61.67	---	7236.01
		07/10/06	---	dry	---	---
		07/25/07	---	dry	---	---
		09/22/08	---	dry	---	---
		08/04/09	---	dry	---	---
		05/18/10	---	dry	---	---
		09/25/11	---	61.57	---	7236.11
		06/12/12	---	dry	---	---
		07/23/13		dry		---
		11/18/14	Plugged and Abandoned			
SVE-3	7,293.68	02/10/98	---	56.24	---	7237.44
		10/11/99	---	57.42	---	7236.26
		11/16/01	---	57.81	---	7235.87
		04/17/02	---	58.01	---	7235.67
		10/30/02	---	58.18	---	7235.50
		05/21/03	---	58.49	---	7235.19
		11/10/03	---	58.76	---	7234.92
		06/07/04	---	59.15	---	7234.53
		06/08/05	---	60.42	---	7233.26
		07/10/06	60.05	60.71	0.66	7233.47
		07/25/07	60.51	60.52	0.01	7233.17
		09/22/08	---	60.53	---	7233.15
		08/04/09	---	60.08	---	7233.60
		05/18/10	---	60.91	---	7232.77
		09/25/11	---	60.13	---	7233.55
		06/12/12	---	60.25	---	7233.43
		07/23/13	---	60.99	---	7232.69
		04/22/14	---	61.80	---	7231.88
		04/13/15	---	61.41	---	7232.27
		04/20/16	---	61.69	---	7231.99
		03/27/17	---	61.30	---	7232.38
		05/01/17	---	61.02	---	7232.66
		06/20/17	---	61.12	---	7232.56
		09/22/17	---	59.95	---	7233.73
		04/19/18	---	60.75	---	7232.93
		04/16/19	---	60.63	---	7233.05
		10/03/19	---	60.33	---	7233.35

Table 1
Summary of Groundwater Elevation Data
Thoreau Compressor Station No. 5
Transwestern Pipeline Company, LLC
McKinley County, New Mexico

Well ID	Top of Casing Elevation (feet amsl)	Date	Depth to LNAPL (feet below TOC)	Depth to Ground Water (feet below TOC)	LNAPL Thickness (feet)	Ground Water Elevation (feet amsl)
SVE-4	7,289.83	02/10/98	---	52.91	---	7236.92
		10/11/99	---	54.48	---	7235.35
		11/16/01	---	54.75	---	7235.08
		04/17/02	---	54.94	---	7234.89
		10/30/02	---	55.19	---	7234.64
		05/21/03	---	55.48	---	7234.35
		11/10/03	---	55.75	---	7234.08
		06/07/04	---	56.14	---	7233.69
		06/08/05	---	56.79	---	7233.04
		07/10/06	---	57.45	---	7232.38
		07/25/07	---	57.94	---	7231.89
		09/22/08	---	58.31	---	7231.52
		08/04/09	---	58.36	---	7231.47
		05/18/10	---	58.57	---	7231.26
		09/25/11	---	58.10	---	7231.73
		06/12/12	---	58.03	---	7231.80
		07/23/13		58.71		7231.12
		04/20/16	---	59.66	---	7230.17
		05/01/17	---	59.64	---	7230.19
		06/20/17	---	59.69	---	7230.14
		09/22/17	---	59.58	---	7230.25
		04/19/18	---	59.25	---	7230.58
		04/16/19	---	58.59	---	7231.24
		10/03/19	---	58.52	---	7231.31

Notes:
amsl = above mean sea level
LNAPL = light non-aqueous phase liquid
TOC = top of casing
--- = not applicable
NM = not measured

Table 2
Summary of Groundwater Field Parameters
Thoreau Compressor Station No. 5
Transwestern Pipeline Company, LLC
McKinley County, New Mexico

Well ID	Date	Dissolved Oxygen (mg/L)	pH	Temperature °C	Electrical Conductivity (uS/cm)
5-01B	11/21/95	3.8	7.37	12.8	1314
	02/21/96	7.5	7.40	11.9	960
	05/23/96	10.6a	7.28	13.2	1327
	08/14/96	--	7.51	15.8	1324
	11/21/96	6.3	7.13	13.0	1080
	02/27/97	4.57	7.49	7.7	820
	05/21/97	3.73	7.02	14.0	990
	08/20/97	--	7.29	14.7	1312
	Plugged and Abandoned				
5-01C	11/23/97	5.5	7.59	14.9	1252
	02/12/98	3.4	7.86	11.3	1137
	06/11/98	5.9	7.77	17.5	1248
	10/01/98	2.8	7.70	13.9	1255
	04/29/99	--/2.8	7.67	13.1	1262
	10/13/99	4.1	7.78	14.9	1294
	05/12/00	0.0/1.2	7.57	12.8	1390
	11/17/00	2.6	7.57	13.0	1467
	05/22/01	2.6/2.6	7.48	14.0	1510
	11/18/01	2.5	7.46	14.7	1506
	04/20/02	3.2	7.50	14.5	1494
	10/30/02	3.6	7.48	14.8	1498
	05/21/03	3.5	7.43	15.7	1571
	11/10/03	3.9	7.32	12.5	1387
	06/07/04	2.7	7.43	14.5	1637
	06/08/05	---	7.39	14.1	1658
	07/11/06	3.3	7.28	13.4	1318
	07/25/07	3.3	7.61	13.4	1300
	09/23/08	3.0	7.88	13.0	1310
	08/04/09	3.9	7.08	14.2	1718
5-02B	11/21/95	2.1	6.89	14.5	920
	02/22/96	4.0	7.14	11.9	1010
	05/23/96	1.4	7.21	14.0	1430
	08/14/96	--	7.36	15.0	1000
	11/21/96	2.9	7.02	13.0	990
	02/28/97	2.2	7.20	9.6	990
	11/26/14	Plugged and Abandoned			
5-02C	11/24/97	3.0	7.24	12.5	1439
	02/11/98	0.9	7.24	10.1	1397
	06/10/98	1.3	7.15	13.5	1502
	10/01/98	2.1	7.17	14.6	1617
	04/28/99	--/0.8	7.10	13.4	1756
	10/13/99	0.9	7.12	14.1	1858
	05/13/00	0.9	7.11	13.4	1821
	11/17/00	2.2	7.18	13.1	1832
	05/24/01	2.6/1.6	7.11	15.8	1800
	11/17/01	--	7.14	14.8	1806
	04/20/02	1.5	7.15	15.0	1829
	10/31/02	0.9	7.11	15.6	1811
	05/22/03	1.2	7.10	16.4	1833
	11/11/03	1.7	7.03	12.9	1541

Table 2
Summary of Groundwater Field Parameters
Thoreau Compressor Station No. 5
Transwestern Pipeline Company, LLC
McKinley County, New Mexico

Well ID	Date	Dissolved Oxygen (mg/L)	pH	Temperature °C	Electrical Conductivity (uS/cm)
5-02C (Cont.)	06/08/04	1.3	7.04	15.9	1934
	06/09/05	---	7.04	14.3	1984
	09/25/11	LNAPL			
	07/10/12	LNAPL			
	07/23/13	LNAPL			
	04/21/14	LNAPL			
	04/13/15	LNAPL			
	04/20/16	LNAPL			
	03/27/17	LNAPL			
	04/19/18	2.50	7.27	13.88	1659.10
	04/17/19	--	7.63	11.90	1865.00
5-03B	11/15/95	8.0	7.59	14.0	860
	05/20/96	7.0b	8.26	13.4	1282
	08/12/96	8.6b	7.91	14.2	1000
	11/18/96	8.0/7.0	7.77	12.0	1110
	02/24/97	5.74/7.0	7.77	10.2	980
	05/20/97	8.8/8.0	7.73	13.8	1060
	05/18/97	8.0	7.69	13.5	1423
	11/17/97	7.36/8.0	7.64	13.4	1100
	02/10/98	8.17	7.36	12.5	1000
	06/08/98	8.8	7.58	13.4	1375
	06/11/98	8.8	7.60	13.3	1379
	09/29/98	8.3/8.0	7.59	13.9	1390
	04/27/99	8.6	7.72	13.8	1357
	10/11/99	8.6/8.0	7.75	13.1	1326
	05/11/00	7.6/7.5	7.78	13.1	1311
	05/22/01	8.5/8.0	7.79	14.1	1314
	04/18/02	8.2	7.81	14.9	1347
	05/20/03	8.1	7.74	16.0	1415
	06/07/04	2.7	7.65	14.2	1450
5-04B	11/17/95	--	7.15	14.6	1097
	11/22/95	5.6	7.87	14.0	720
	05/14/00	--	--	--	--
	11/17/00	1.9	7.57	12.1	1851
	05/22/01	2.7/2.6	7.54	16.1	1994
	11/18/01	4.0	7.56	16.6	1994
	04/19/02	4.8	7.48	17.0	1974
	10/30/02	4.9	7.31	17.1	1961
	05/21/03	7.1	7.52	18.5	1966
	11/10/03	8.9	7.85	14.9	1669
	11/18/14	Plugged and Abandoned			

Table 2
Summary of Groundwater Field Parameters
Thoreau Compressor Station No. 5
Transwestern Pipeline Company, LLC
McKinley County, New Mexico

Well ID	Date	Dissolved Oxygen (mg/L)	pH	Temperature °C	Electrical Conductivity (uS/cm)
5-05B	11/17/95	2.9	7.04	13.0	1350
	05/22/96	1.4	7.36	13.8	1419
	08/14/96	1.08	7.61	14.3	1395
	11/20/96	4.2	7.26	12.2	1110
	02/25/97	2.86	7.46	8.2	890
	10/13/99	7.1	7.42	13.2	1512
	05/11/00	2.2/2.4	7.38	13.3	1565
	11/17/00	2.5	7.43	12.8	1592
	05/22/01	2.5	7.37	14.4	1578
	11/18/01	1.1	7.45	14.8	1290
	04/18/02	0.8	7.41	17.9	1444
	10/30/02	1.2	7.29	15.1	1495
	05/21/03	1.0	7.29	15.8	1515
	11/10/03	2.1	7.16	12.4	1316
	06/08/04	1.0	7.21	13.9	1555
5-06B	11/21/95	3.2	7.51	14.0	880
	02/22/96	7.2	7.71	12.6	880
	05/23/96	1.7	7.90	13.2	1248
	08/15/96	--	7.57	15.0	980
	11/22/96	4.5	7.34	11.9	900
	02/28/97	1.11	7.78	11.7	895
	05/22/97	1.66	7.29	13.5	920
	08/20/97	2.7/2.2	7.62	14.2	1140
	Plugged and Abandoned				
5-06C	11/23/97	0.5/0.8	7.67	14.3	1181
	02/12/98	0.0	7.75	11.9	1072
	06/11/98	3.2/0.6	7.67	16.0	1159
	10/02/98	0.7	7.64	13.6	1152
	04/29/99	--/1.0	7.55	12.8	1135
	10/14/99	0.2/0.4	7.66	13.3	1156
	05/13/00	0.4/0.6	7.65	13.2	1178
	11/17/00	2.1	7.62	13.0	1287
	05/22/01	0.9	7.61	13.9	1252
	11/18/01	1.1	7.62	14.4	1241
	04/20/02	1.4	7.64	14.4	1256
	10/30/02	0.5	7.62	14.7	1265
	05/21/03	1.7	7.47	15.2	1432
	11/10/03	1.8	7.38	12.3	1244
	06/07/04	1.4	7.43	14.4	1441
	06/09/05	---	7.34	12.7	1560
	07/11/06	2.0	7.42	13.7	1145
	07/25/07	3.0	7.57	13.0	1094
	09/23/08	3.1	7.88	13.2	1115
	08/04/09	2.8	7.06	13.4	1461
	05/18/10	2.9	6.83	12.6	1538
	09/25/11	6.9	7.24	13.8	1351
	06/12/12	3.6	7.00	13.3	1469
	07/10/12	3.7	7.15	13.2	1455
	07/23/13	3.1	6.80	13.3	1517
	04/22/14	3.8	6.95	15.4	1585

Table 2
Summary of Groundwater Field Parameters
Thoreau Compressor Station No. 5
Transwestern Pipeline Company, LLC
McKinley County, New Mexico

Well ID	Date	Dissolved Oxygen (mg/L)	pH	Temperature °C	Electrical Conductivity (uS/cm)
5-06C (Cont.)	04/13/15	4.71	6.84	13.8	1410
	04/21/16	3.62	7.16	12.7	1480
	03/27/17	3.68	8.06	10.8	1785
	04/19/18	3.68	7.49	13.1	1457
	04/16/19	1.89	7.40	13.1	1464
	10/03/19	3.81	7.80	13.2	1469
5-12B	11/16/95	6.5	7.38	13.9	900
	05/24/96	8.0	7.44	15.0	870
	08/13/96	8.6	8.27	13.9	1242
	11/19/96	--/8.0	7.25	12.5	890
	02/26/97	4.78/6.5	7.58	11.8	895
	05/21/97	6.15	7.48	13.7	905
	08/19/97	--/7.0	7.61	14.9	1255
	11/17/97	8.49	7.65	13.9	990
	02/11/98	6.2 /7.0	7.70	11.3	1114
	06/09/98	10.2/8.0	7.65	17.1	1217
	09/30/98	8.1/7.0	7.67	15.4	1232
	04/27/99	7.8	7.70	12.8	1240
	10/12/99	7.2	7.87	14.2	1241
	05/11/00	6.7	7.83	14.4	1248
	05/23/01	6.7	7.78	15.2	1251
	04/19/02	7.4	8.04	15.1	1241
	05/20/03	8.6	8.00	15.8	1242
	06/08/04	3.9	8.03	16.3	1323
	11/17/14	Plugged and Abandoned			
5-13B	11/20/95	4.3	7.59	13.9	800
	02/21/96	4.2	7.67	13.8	840
	05/22/96	1.4	7.68	13.8	860
	08/13/96	3.04	8.71	14.5	850
	11/20/96	2.7	7.49	13.0	850
	02/26/97	1.51	7.53	11.9	850
	05/21/97	2.79	7.31	13.4	880
	08/19/97	1.2/0.8	7.49	17.6	1205
	11/18/97	--/1.2	7.78	10.1	1060
	02/11/98	1.3/1.0	7.81	11.0	1077
	06/09/98	1.8	7.54	14.6	1166
	09/30/98	1.2/1.4	7.57	14.3	1187
	04/27/99	--	7.54	12.8	1223
	10/12/99	3.0	7.62	13.4	1257
	05/11/00	0.1/0.8	7.50	13.2	1274
	11/16/00	2.1/1.0	7.44	13.2	1306
	05/23/01	2.3	7.47	14.1	1296
	11/17/01	2.2	7.53	15.0	1288
	04/19/02	1.9	7.49	15.2	1267
	10/31/02	1.7	7.47	15.4	1265
	05/20/03	1.9	7.44	15.5	1263
	11/11/03	1.8	7.34	12.9	1112
	06/08/04	1.5	7.95	16.4	1330
	11/17/14	Plugged and Abandoned			

Table 2
Summary of Groundwater Field Parameters
Thoreau Compressor Station No. 5
Transwestern Pipeline Company, LLC
McKinley County, New Mexico

Well ID	Date	Dissolved Oxygen (mg/L)	pH	Temperature °C	Electrical Conductivity (uS/cm)
5-14B	11/16/95	8.0	8.03	14.6	1056
	05/21/96	9.8a	8.01	13.9	1011
	08/13/96	6.89	8.64	15.6	992
	11/19/96	6.1	7.42	12.5	720
	02/26/97	--/6.5	7.87	10.5	931
	05/21/97	6.81/7.0	7.87	13.2	964
	11/17/97	6.8	7.86	11.9	841
	02/10/98	8.12	6.91	10.2	630
	06/09/98	8.7/8.5	7.85	17.3	923
	09/30/98	6.70	7.79	15.0	1064
	04/27/99	7.5/6.5	7.79	13.3	1058
	10/12/99	7.9	7.88	13.5	1075
	05/11/00	7.3	7.85	13.0	1014
	05/24/01	8.1	7.86	14.3	1027
	04/19/02	6.9	7.86	15.5	1148
	05/22/03	7.2	7.79	16.1	1168
	06/08/04	3.4	7.82	16.2	1246
	11/17/14	Plugged and Abandoned			
5-15B	11/16/95	6.9	7.98	12.5	982
	05/22/96	4.9	7.67	13.0	710
	08/14/96	9.85	8.26	14.4	1006
	11/20/96	--/8.0	7.54	14.0	720
	02/26/97	--/6.8	7.82	11.4	977
	05/21/97	6.49	7.77	12.9	1020
	08/19/97	8.0/8.0	7.80	14.5	934
	11/17/97	6.4/6.5	7.78	11.8	904
	02/11/98	6.22/7.0	7.39	13.1	720
	06/10/98	8.0/7.0	7.73	14.4	979
	09/30/98	9.6	7.76	16.1	1031
	04/28/99	--/7.0	7.73	13.0	1022
	10/12/99	5.8	7.87	13.3	950
	05/12/00	8.1	7.65	13.1	1008
	05/24/01	6.4	7.77	14.6	1049
	04/19/02	6.0	7.79	15.6	1116
	05/22/03	5.2	7.73	17.0	1150
	06/08/04	3.1	7.69	15.2	1159
	11/18/14	Plugged and Abandoned			
5-16B	11/20/95	2.4	7.50	13.0	800
	02/21/96	3.5	7.58	13.8	840
	05/23/96	1.3	7.47	13.2	1181
	08/15/96	1.9/1.0	7.46	14.3	1214
	11/21/96	--/1.0	7.45	13.0	1000
	02/27/97	2.31	7.52	12.0	1131
	05/22/97	1.13	7.30	14.9	900
	08/20/97	1.6/0.4	7.41	15.4	1100
	11/19/97	0.4/0.4	7.46	12.6	1096
	02/11/98	2.78	7.16	11.6	840
	06/10/98	--	--	--	--
	10/01/98	--	--	--	--
	04/28/99	--	--	--	--

Table 2
Summary of Groundwater Field Parameters
Thoreau Compressor Station No. 5
Transwestern Pipeline Company, LLC
McKinley County, New Mexico

Well ID	Date	Dissolved Oxygen (mg/L)	pH	Temperature °C	Electrical Conductivity (uS/cm)
5-16B (Cont.)	10/13/99	--	--	--	--
	05/12/00	--	--	--	--
	11/17/00	--	--	--	--
	05/24/01	--	--	--	--
	11/18/01	--	--	--	--
	04/20/02	--	--	--	--
	10/31/02	--	--	--	--
	05/22/03	--	--	--	--
	11/11/03	--	--	--	--
	06/08/04	1.47	7.76	15.60	544
	06/08/05	--	7.67	15.30	1566
	07/10/06	--	--	--	--
	07/25/07	--	--	--	--
	09/23/08	--	--	--	--
	08/04/09	--	--	--	--
	05/18/10	--	--	--	--
	09/25/11	--	--	--	--
	06/12/12	--	--	--	--
	07/23/13	--	--	--	--
	04/21/14	2.00	6.88	14.72	1596
	04/13/15	3.5	7.1	13.57	1490
	04/21/16	1.98	7.31	13.50	1550
	04/20/18	2.85	8.91	11.20	2055
	04/17/19	--	7.69	11.40	1774
	10/04/19	2.06	7.88	13.72	1901
5-17B	11/20/95	7.4	7.65	13.4	1525
	05/22/96	6.4	7.44	12.5	1005
	08/14/96	--	7.66	17.0	1090
	11/20/96	--	7.69	13.6	1160
	02/27/97	4.57	7.64	11.6	930
	05/21/97	--	7.64	14.2	990
	08/20/97	9.0/8.0	7.67	15.8	1335
	11/18/97	9.5	7.91	12.0	990
	02/11/98	--	7.25	10.2	910
	06/10/98	9.4	7.67	13.9	1331
	10/02/98	10.0	7.70	15.0	1345
	04/28/99	--/7.8	7.69	13.7	1344
	10/13/99	8.8/9.0	7.77	12.9	1381
	05/12/00	8.2	7.76	12.9	1363
	11/17/00	8.5	7.78	13.1	1385
	05/23/01	9.2/8.0	7.73	14.6	1405
	11/17/01	--	7.73	14.9	1388
	04/19/02	8.4	7.80	14.8	1401
	10/31/02	8.5	7.75	15.3	1361

Table 2
Summary of Groundwater Field Parameters
Thoreau Compressor Station No. 5
Transwestern Pipeline Company, LLC
McKinley County, New Mexico

Well ID	Date	Dissolved Oxygen (mg/L)	pH	Temperature °C	Electrical Conductivity (uS/cm)
5-17B (Cont.)	05/22/03	8.6	7.71	15.7	1383
	11/11/03	8.9	7.61	12.6	1231
	06/08/04	3.3	7.44	14.9	1529
	06/08/05	--	7.36	13.9	1816
	07/10/06	3.2	7.25	13.1	1597
	07/25/07	4.7	7.48	13.6	1557
	09/23/08	5.6	7.83	13.1	1583
	08/04/09	5.9	7.02	13.7	2005
5-18B	11/17/95	1.4	7.68	14.0	720
	02/21/96	5.6	7.76	12.2	760
	05/22/96	1.5	7.62	13.3	790
	08/14/96	2.38	8.27	14.2	1071
	11/20/96	2.3	7.70	13.0	890
	02/27/97	1.29	7.78	11.7	988
	05/22/97	4.45	7.71	13.3	1065
	08/19/97	0.8/0.4	7.69	14.1	988
	11/17/97	7.76	7.72	12.9	860
	02/11/98	2.28	7.33	12.8	790
	06/10/98	0.6/0.6	7.61	13.6	1095
	09/30/98	2.2/0.8	7.60	15.6	1142
	04/28/99	--/1.4	7.53	12.7	1144
	10/12/99	2.3/2.0	7.64	14.0	1164
	05/12/00	2.4	7.54	13.4	1198
	11/16/00	3.8	7.52	13.0	1257
	05/24/01	3.8	7.51	15.7	1264
	11/17/01	3.8	7.51	15.4	1234
	04/20/02	2.0	7.61	14.5	1124
	10/31/02	1.0	7.56	15.5	1112
	05/22/03	1.6	7.52	15.6	1117
	11/11/03	1.9	7.45	13.0	976
	06/08/04	1.8	7.43	16.5	1171
	06/08/05	--	7.52	14.7	1198
	07/10/06	3.0	7.39	13.9	964
	07/25/07	1.3	7.59	14.8	962
	09/23/08	2.9	7.91	14.5	989
	08/04/09	1.1	7.04	15.2	1233
	05/18/10	1.7	6.78	13.2	1341
	09/25/11	2.1	7.10	13.5	1389
	06/12/12	2.1	6.97	13.5	1362
	07/23/13	2.4	6.93	14.2	1363
	04/21/14	5.4	7.11	21.0	1312
	04/13/15	2.94	7.08	13.11	1350
	04/21/16	1.4	7.42	13.0	1460
	03/28/17	No parameters due to insufficient well volume			
	04/19/18	2.3	7.6	13.8	1444
	04/17/19	--	7.5	11.7	1567
	10/04/19	3.1	8.1	13.0	1271

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Well ID	Date	Dissolved Oxygen (mg/L)	pH	Temperature °C	Electrical Conductivity (uS/cm)
5-19B	11/20/95	2.00	7.68	13.0	700
	02/21/96	4.4	7.81	12.7	730
	05/22/96	2.0	7.78	14.1	1023
	08/14/96	3.0	7.99	14.7	1022
	11/21/96	3.2	7.79	12.8	840
	02/27/97	1.9/1.8	7.83	10.2	951
	05/21/97	2.7	7.84	12.8	1002
	08/20/97	2.5/1.6	7.82	15.7	939
	11/17/97	3.68/1.0	7.91	12.3	800
	02/11/98	2.26	7.47	12.0	710
	06/10/98	0.5	7.80	13.8	968
	10/01/98	0.2/0.4	7.75	14.0	982
	04/28/99	--/0.4	7.89	12.7	982
	10/12/99	0.2	8.00	13.6	990
	05/12/00	0.6/0.8	7.89	13.0	986
	11/17/00	1.2/1.4	7.96	13.2	999
	05/24/01	1.8/1.6	7.93	14.9	1007
	11/17/01	1.5	7.92	15.2	1019
	04/19/02	0.7	8.00	15.1	1038
	10/31/02	2.6	7.95	15.5	1051
	05/22/03	1.0	7.88	16.2	1094
	11/11/03	1.4	7.81	13.0	971
	06/08/04	1.5	7.87	15.0	1147
	11/18/14	Plugged and Abandoned			
5-20B	11/17/95	2.9	7.16	13.7	1200
	05/22/96	1.8	7.18	14.4	1120
	08/14/96	4.84	7.82	16.2	1629
	11/20/96	--	7.04	12.5	1180
	02/27/97	1.51	7.21	11.1	1120
	05/22/97	1.83/1.0	7.39	13.4	1537
	08/19/97	2.5/1.2	7.13	16.9	1590
	11/18/97	6.91	7.42	12.4	1200
	02/11/98	0.00	7.35	10.9	1369
	06/09/98	2.80	7.29	16.1	1481
	10/01/98	2.4/1.8	7.31	15.8	1467
	04/28/99	--/0.8	7.30	13.4	1362
	10/12/99	2.6/2.2	7.46	14.4	1334
	05/12/00	0.5/0.6	7.25	12.7	1325
	11/16/00	1.4/1.4	7.45	12.7	1337
	05/24/01	1.1/0.8	7.48	14.4	1290
	11/17/01	1.4	7.52	15.2	1260
	04/19/02	0.7	7.49	14.9	1275
	10/31/02	1.1	7.48	15.3	1292
	05/22/03	0.5	7.42	15.7	1306
	11/11/03	1.5	7.35	12.9	1149
	06/08/04	1.6	7.41	13.9	1332
	06/08/05	--	7.43	15.0	1347
	07/10/06	1.3	7.46	13.5	1030
	07/25/07	1.3	7.55	14.3	1028
	09/23/08	1.9	7.88	13.6	1032

Table 2
Summary of Groundwater Field Parameters
Thoreau Compressor Station No. 5
Transwestern Pipeline Company, LLC
McKinley County, New Mexico

Well ID	Date	Dissolved Oxygen (mg/L)	pH	Temperature °C	Electrical Conductivity (uS/cm)
5-20B (Cont.)	08/04/09	0.3	6.99	14.1	1335
	05/18/10	2.1	6.99	12.9	1419
	09/25/11	1.9	7.17	13.3	1401
	06/12/12	1.6	7.03	13.4	1390
	07/23/13	1.7	6.89	13.4	1353
	04/21/14	3.4	6.98	18.4	1213
	04/13/15	3.3	7.42	13.83	1140
	04/21/16	1.65	7.55	12.9	1240
	03/28/17	2.17	7.60	11.9	1452
	04/19/18	3.40	7.66	13.1	1229
	04/17/19	--	7.39	12.7	1382
	10/04/19	3.01	8.00	12.5	1201
5-22B	11/15/95	6.4	7.70	12.9	990
	02/22/96	6.6	7.47	12.3	1030
	05/20/96	--	8.32	13.8	1549
	08/12/96	8.01	7.63	15.0	1100
	11/18/96	5.6	7.48	12.2	1300
	02/27/97	3.53	7.39	10.0	1180
	05/22/97	--	7.49	13.0	1899
	08/20/97	3.0/2.2	7.32	14.8	2060
	11/18/97	--/1.8	7.80	13.6	1740
	11/26/14	Plugged and Abandoned			
5-23B	11/16/95	3.8	7.31	13.3	800
	05/22/96	2.6	7.66	13.0	1077
	08/13/96	5.06	8.80	15.0	780
	11/19/96	4.4	7.69	13.0	880
	02/26/97	--/3.4	7.73	11.8	1018
	05/21/97	4.1/4.0	7.73	12.6	1036
	08/19/97	3.0/2.8	7.75	14.5	949
	11/17/97	2.0	7.74	11.1	920
	02/10/98	1.0	7.77	10.7	928
	06/08/98	2.8/2.2	7.01	13.7	1004
	09/29/98	2.6/2.0	7.67	13.7	1013
	04/27/99	2.6/2.0	7.72	12.9	1015
	10/12/99	1.6/1.8	7.83	12.8	1024
	05/11/00	1.5/1.8	7.77	13.0	1035
	05/23/01	2.1	7.72	14.0	1084
	04/19/02	1.5	7.72	15.0	1103
	05/20/03	1.2	7.71	15.6	1112
	06/08/04	1.6	7.63	14.3	1131
	11/17/14	Plugged and Abandoned			

Table 2
Summary of Groundwater Field Parameters
Thoreau Compressor Station No. 5
Transwestern Pipeline Company, LLC
McKinley County, New Mexico

Well ID	Date	Dissolved Oxygen (mg/L)	pH	Temperature °C	Electrical Conductivity (uS/cm)
5-24B	11/17/95	1.7	7.33	13.2	1050
	05/21/96	3.5	7.41	13.9	1050
	08/13/96	2.32	8.07	16.0	1050
	11/19/96	3.30	7.36	12.6	1210
	02/26/97	--/1.4	7.42	11.6	1468
	05/20/97	4.83	7.56	12.6	1240
	05/21/97	3.44	7.24	13.1	1110
	08/19/97	3.8/4.0	7.32	15.5	1568
	11/18/97	2.20	7.39	12.2	1386
	02/10/98	3.2/3.0	7.44	11.2	1392
	06/09/98	4.30	7.34	14.6	1492
	09/29/98	5.5	7.32	13.6	1499
	04/27/99	9.7/8.0	7.37	14.1	1501
	10/11/99	4.3	7.46	13.6	1468
	05/11/00	4.8	7.43	13.5	1454
	11/16/00	7.4/6.0	7.52	12.6	1467
	05/23/01	2.9	7.52	15.0	1475
	11/17/01	4.9	7.54	15.3	1449
	04/19/02	2.2	7.56	15.0	1426
	10/31/02	4.1	7.62	15.3	1413
	05/20/03	1.3	7.51	15.4	1397
	11/11/03	4.8	7.46	13.0	1215
	06/08/04	2.8	7.68	15.4	1428
	11/17/14	Plugged and Abandoned			
5-35B	05/18/10	1.61	6.48	15.07	1834
	09/25/11	1.53	6.96	17.51	1554
	06/12/12	1.74	6.84	15.79	1643
	07/23/13	--	--	--	--
	04/22/14	1.85	6.49	15.45	1644
	04/13/15	No parameters due to insufficient well volume			
	04/21/16	3.56	7.17	14.20	1570
	03/28/17	1.36	7.40	12.86	1870
	06/20/17	2.86	6.60	13.83	1460
	09/22/17	0.68	6.42	14.30	1370
	04/19/18	2.56	7.32	15.17	1475
	04/16/19	0.66	7.25	14.78	1472
	10/03/19	0.91	7.77	13.89	1525
5-37I	08/15/96	1.67	8.48	17.2	1382
	11/22/96	--	7.70	14.9	1080
5-41B	11/16/95	2.00	7.28	14.5	940
	05/21/96	1.82	7.41	15.8	920
	08/13/96	2.68	7.99	15.0	910
	11/19/96	3.80	7.41	13.8	1080
	02/25/97	1.65	7.43	12.5	930
	05/20/97	4.83/3.0	7.56	12.6	1230
	08/18/97	--/2.2	7.55	14.1	1285
	11/26/14	Plugged and Abandoned			

Table 2
Summary of Groundwater Field Parameters
Thoreau Compressor Station No. 5
Transwestern Pipeline Company, LLC
McKinley County, New Mexico

Well ID	Date	Dissolved Oxygen (mg/L)	pH	Temperature °C	Electrical Conductivity (uS/cm)
5-47B	11/15/95	2.50	7.83	13.0	900
	05/21/96	4.70	7.54	14.6	1080
	08/13/96	3.17	7.98	15.2	1060
	11/19/96	--	7.56	19.1	1110
	02/26/97	2.20	7.71	11.0	1000
	05/20/97	3.18/2.6	7.74	13.8	1100
	08/18/97	--/4.0	7.68	16.3	1470
	Plugged and Abandoned				
5-48B	11/20/95	1.40	7.60	13.7	1035
	02/21/96	3.60	7.54	14.0	750
	05/22/96	2.20	7.62	14.6	1032
	08/14/96	2.80	7.62	15.5	800
	11/21/96	3.10	7.45	15.2	780
	02/27/97	2.40	7.61	11.8	950
	05/22/97	2.52	7.33	14.1	820
	08/20/97	2.2/0.4	7.34	18.3	1139
	11/19/97	5.57/1.6	7.48	14.0	900
	02/12/98	2.23	7.44	14.8	810
	06/11/98	3.6/2.0	7.53	16.3	1176
	10/01/98	0.2	7.56	15.7	1239
	04/28/99	--	7.47	15.4	1261
	10/12/99	--	--	--	--
	05/12/00	--	--	--	--
	11/17/00	--	--	--	--
	05/22/01	--	--	--	--
	11/18/01	--	--	--	--
	04/20/02	0.9	7.54	15.7	1524
	10/30/02	--	--	--	--
	05/21/03	--	--	--	--
	11/11/03	--	--	--	--
	06/07/04	0.9	7.51	16.2	1550
	06/09/05	--	7.31	15.5	1530
5-57B	11/15/95	4.60	7.59	13.1	880
	05/20/96	3.10	8.75	13.2	1212
	08/12/96	5.24	7.76	14.0	875
	11/18/96	5.4/2.2	7.53	12.9	980
	02/25/97	--/3.4	7.71	10.6	1191
	05/20/97	6.01	7.69	12.8	1130
	08/18/97	0.7/2.6	7.69	14.4	1071
	Plugged and Abandoned				
5-58B	11/16/95	8.10	7.47	14.8	740
	05/20/96	6.70	8.71	13.2	1073
	08/12/96	6.44	7.71	14.5	750
	11/18/96	7.00	7.58	12.6	880
	02/25/97	7.0b	7.69	11.4	1073
	05/20/97	6.84	7.73	13.2	790
	08/18/97	5.8/6.5	7.68	15.2	964
	Plugged and Abandoned				

Table 2
Summary of Groundwater Field Parameters
Thoreau Compressor Station No. 5
Transwestern Pipeline Company, LLC
McKinley County, New Mexico

Well ID	Date	Dissolved Oxygen (mg/L)	pH	Temperature °C	Electrical Conductivity (uS/cm)
5-59	11/18/01	6.2	7.50	14.5	1430
	04/20/02	6.7	7.60	14.1	1431
	10/30/02	8.1	7.68	14.6	1437
	05/21/03	5.9	7.40	15.3	1519
	11/11/03	6.8	7.21	12.4	1295
	06/08/04	3.2	7.38	12.8	1495
	06/09/05	--	7.37	14.2	1453
	07/10/06	6.7	7.42	13.3	1112
	07/25/07	5.5	7.33	14.1	1124
	09/23/08	6.0	7.84	12.9	1143
	08/04/09	5.8	7.13	14.3	1501
	05/18/10	6.5	6.62	12.9	1555
	09/25/11	8.0	7.06	13.6	1546
	06/12/12	7.0	6.87	13.6	1573
	07/10/12	6.2	7.22	14.8	1543
	07/23/13	5.8	6.83	14.2	1590
	04/22/14	6.67	6.93	19.21	1640
	04/13/15	11.02	8.07	16.5	1420
	04/21/16	5.72	6.84	12.70	1510
	03/28/17	4.52	7.75	11.24	1801
	04/20/18	6.66	7.70	11.48	1449
	04/16/19	5.15	7.38	14.04	1450
	10/03/19	No parameters due to insufficient well volume			
5-60	11/18/01	6.5	7.67	14.5	1296
	04/20/02	6.6	7.74	14.1	1291
	10/30/02	7.4	7.67	14.9	1272
	05/21/03	7.7	7.63	15.6	1297
	11/10/03	7.5	7.72	12.4	1171
	06/07/04	3.1	7.60	13.9	1415
	06/09/05	--	7.65	12.5	1428
	07/10/06	7.4	7.40	13.3	1095
	07/25/07	6.9	7.50	13.6	1059
	09/23/08	6.8	7.87	12.9	1034
	08/04/09	7.2	7.23	14.1	1362
	10/03/19	87.5	8.11	14.9	1355
SVE-1	05/11/00	7.8	7.90	13.5	992
	11/16/00	8.0	7.85	13.6	1008
	11/18/01	8.3	7.90	15.6	1016
	04/18/02	8.3	7.96	15.7	1017
	10/30/02	8.5	7.58	16.1	1000
	05/21/03	8.5	7.80	17.7	1009
	11/10/03	8.8	7.90	14.0	904
	06/07/04	2.1	7.98	21.7	1062
	11/18/14	Plugged and Abandoned			

Table 2
Summary of Groundwater Field Parameters
Thoreau Compressor Station No. 5
Transwestern Pipeline Company, LLC
McKinley County, New Mexico

Well ID	Date	Dissolved Oxygen (mg/L)	pH	Temperature °C	Electrical Conductivity (uS/cm)
SVE-3	05/18/10	--	--	--	--
	09/25/11	--	--	--	--
	06/12/12	--	--	--	--
	07/23/13	--	--	--	--
	04/22/14	1.39	6.83	14.27	1701
	04/13/15	3.35	6.73	13.63	1490
	04/21/16	2.43	7.09	14.30	1630
	03/28/17	1.64	7.52	12.56	1918
	06/20/17	5.25	6.43	15.16	1572
	09/22/17	1.28	6.52	13.07	1462
	04/19/18	2.61	7.34	14.71	2413
	04/17/19	--	7.00	11.90	3999*
	10/04/19	2.44	7.56	13.31	11540
AS-4	04/20/18	No parameters due to insufficient well volume			
	04/16/19	No parameters due to insufficient well volume			
	10/03/19	6.37	13.24	15.49	20239
AS-10	04/20/18	4.50	13.38	11.5	70746
	04/17/19	--	12.29	12.9	3999*
	10/03/19	No parameters due to insufficient well volume			
AS-15	04/20/18	6.25	12.84	16.1	138233
	04/17/19	--	13.32	11.4	3999*
	10/04/19	10.09	13.57	13.9	29884

Notes:
mg/L = milligrams per liter
°C = degrees Celsius
uS/cm = microsiemens per centimeter
-- = not measured
3999* is the max that meter can read

Table 3
Summary of Analytical Results for BTEX
Thoreau Compressor Station No. 5
Transwestern Pipeline Company, LLC
McKinley County, New Mexico

Well ID	Date	Benzene (ug/L)	Toluene (ug/L)	Ethylbenzene (ug/L)	Total Xylenes (ug/L)	Sulfate
EPA NPDWR Standard		**5**	**1000**	**700**	**10000**	**250**
5-01B	12/01/89	< 5.0	6.3	< 5.0	NA	NA
	03/01/90	< 5.0	< 5.0	< 5.0	25	NA
	06/01/90	< 5.0	< 5.0	< 5.0	< 5.0	NA
	08/01/90	< 1	< 1	< 1	3.5	NA
	11/01/90	< 0.50	< 0.50	< 0.50	3.0	NA
	01/01/91	< 1.0	< 1.0	< 1.0	4.8	NA
	02/01/91	1.6	< 0.50	< 0.50	4.6	NA
	03/01/91	2.0	< 0.50	< 0.50	5.2	NA
	04/01/91	1.2	< 0.50	< 0.50	3.6	NA
	05/01/91	< 0.50	< 0.50	< 0.50	5.4	NA
	06/01/91	< 0.50	0.63	< 0.50	1.9	NA
	07/01/91	< 0.50	< 0.50	< 0.50	6.0	NA
	09/01/91	< 0.50	< 0.50	< 0.50	7.8	NA
	10/01/91	< 0.50	< 0.50	< 0.50	6.4	NA
	11/01/91	< 0.50	< 0.50	< 0.50	9.8	NA
	12/01/91	< 0.50	< 0.50	< 0.50	2.4	NA
	01/09/92	< 0.50	< 0.50	< 0.50	< 0.50	NA
	01/27/92	< 0.50	< 0.50	< 0.50	0.79	NA
	02/20/92	< 0.50	< 0.50	< 0.50	5.2	NA
	03/18/92	< 2.50	< 0.50	< 0.50	3.3	NA
	04/29/92	< 0.50	< 0.50	< 0.50	2.3	NA
	10/14/92	< 0.50	< 0.50	< 0.50	4.7	NA
	12/13/94	< 0.50	< 0.50	< 0.50	< 0.50	NA
	06/27/95	< 0.50	< 0.50	< 0.50	< 0.50	NA
	10/06/95	< 0.50	< 0.50	< 0.50	< 0.50	NA
	11/21/95	< 0.50	< 0.50	< 0.50	< 0.50	NA
	02/22/96	< 0.50	< 0.50	< 0.50	< 0.50	NA
	05/21/96	< 0.50	< 0.50	< 0.50	< 0.50	NA
	08/15/96	< 0.50	< 0.50	< 0.50	< 0.50	NA
	11/22/96	0.8	< 0.50	< 0.50	< 0.50	NA
	02/28/97	0.6	< 0.50	< 0.50	< 0.50	NA
	05/22/97	1.2	< 0.50	< 0.50	< 0.50	NA
	08/21/97	0.5	< 0.50	< 0.50	< 0.50	NA
	Plugged and Abandoned					
5-01C	11/23/97	1.4	< 0.50	< 0.50	< 0.50	NA
	01/08/98	2.0	< 0.50	< 0.50	< 0.50	NA
	02/12/98	< 0.50	< 0.50	< 0.50	< 0.50	NA
	06/11/98	**6.5**	< 0.50	< 0.50	< 0.50	NA
	10/02/98	**5.2**	< 0.50	< 0.50	< 0.50	NA
	04/29/99	< 1.0	< 1.0	< 1.0	< 1.0	NA
	10/14/99	< 1.0	< 2.0	< 2.0	< 4.0	NA
	05/12/00	< 1.0	< 2.0	< 2.0	< 4.0	NA
	11/17/00	< 0.50	< 0.50	< 0.50	< 1.0	NA
	05/22/01	< 1.0	< 1.0	< 1.0	< 2.0	NA
	11/19/01	< 1.0	< 1.0	< 1.0	< 2.0	NA
	04/20/02	< 0.50	< 0.50	< 0.50	< 0.50	NA
	10/30/02	< 0.50	< 0.50	< 0.50	< 0.50	NA
	05/21/03	< 0.50	< 0.50	< 0.50	< 0.50	NA
	11/10/03	< 0.50	< 0.50	< 0.50	< 0.50	NA
	06/07/04	< 0.50	< 0.50	< 0.50	< 0.50	NA
	06/08/05	< 0.50	< 0.50	< 0.50	< 0.50	NA
	07/11/06	< 1.0	< 1.0	< 1.0	< 3.0	NA

Table 3
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Thoreau Compressor Station No. 5
Transwestern Pipeline Company, LLC
McKinley County, New Mexico

Well ID	Date	Benzene (ug/L)	Toluene (ug/L)	Ethylbenzene (ug/L)	Total Xylenes (ug/L)	Sulfate
5-01C (Cont.)	07/25/07	< 1.0	< 1.0	< 1.0	< 2.0	NA
	09/23/08	< 1.0	< 1.0	< 1.0	< 2.0	NA
	08/04/09	< 1.0	< 1.0	< 1.0	< 2.0	NA
5-02B	05/01/89	**1800**	**2000**	< 200	NA	NA
	08/01/89	**2500**	**4700**	< 500	NA	NA
	11/01/89	**1800**	**3100**	250	NA	NA
	03/01/90	**2300**	**3800**	< 250	2400	NA
	06/01/90	**1900**	**3100**	< 250	2300	NA
	08/01/90	**1400**	**2300**	180	1700	NA
	11/01/90	**1500**	**2400**	230	1900	NA
	01/01/91	**600**	730	110	940	NA
	02/01/91	**460**	580	75	600	NA
	03/01/91	**2400**	**3300**	290	2600	NA
	04/01/91	**830**	**1200**	110	920	NA
	05/01/91	**830**	**1200**	150	1300	NA
	06/01/91	**5.1**	7.0	0.57	4.7	NA
	07/01/91	**400**	600	49	420	NA
	09/01/91	**510**	750	57	530	NA
	10/01/91	**290**	450	37	310	NA
	11/01/91	**740**	**1200**	97	950	NA
	12/01/91	**330**	580	31	320	NA
	01/09/92	**360**	710	52	480	NA
	01/28/92	**420**	810	64	560	NA
	02/20/92	**890**	**1600**	140	1200	NA
	03/19/92	**910**	**2100**	170	1700	NA
	04/29/92	**1700**	**3800**	240	2200	NA
	10/14/92	**800**	700	74	640	NA
	04/22/93	**120**	< 0.50	11	38	NA
	12/09/94	**2100**	**2600**	220	1800	NA
	06/26/95	**1200**	**2700**	130	1200	NA
	10/06/95	**490**	**1600**	66	640	NA
	11/21/95	**740**	**2900**	160	1100	NA
	02/22/96	**260**	**1000**	62	600	NA
	05/21/96	**380**	120	**1300**	1100	NA
	08/14/96	**420**	**1200**	100	880	NA
	11/21/96	**660**	**1300**	150	1600	NA
	02/28/97	**260**	500	90	680	NA
	11/26/14	Plugged and Abandoned				
5-02C	11/23/97	**26**	2.7	9.1	2.7	NA
	02/11/98	**110**	7.0	33	8.3	NA
	06/10/98	**460**	**1000**	120	750	NA
	10/01/98	**1300**	**3500**	230	1800	NA
	04/28/99	**1500**	**4400**	260	2500	NA
	10/13/99	**1300**	**3900**	320	3100	NA
	05/13/00	**980**	**3400**	340	3500	NA
	11/17/00	**671**	**1000**	372	3820	NA
	05/24/01	**446**	60	340	3406	NA
	11/17/01	**587**	15.2	365	3622	NA
	04/20/02	**450**	< 10.0	300	3100	NA
	10/31/02	**330**	< 5.0	230	2000	NA
	05/22/03	**290**	< 10.0	200	800	NA
	11/11/03	**450**	< 2.50	240	770	NA
	06/08/04	**270**	28	160	1000	NA

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Thoreau Compressor Station No. 5
Transwestern Pipeline Company, LLC
McKinley County, New Mexico

Well ID	Date	Benzene (ug/L)	Toluene (ug/L)	Ethylbenzene (ug/L)	Total Xylenes (ug/L)	Sulfate
5-02C (Cont.)	06/09/05	**300**	< 10.0	190	1700	NA
	09/25/11	**27**	< 10.0	91	220	NA
	07/10/12	**40**	12	130	730	NA
	07/23/13	**34**	50	130	1200	NA
	04/21/14	Not sampled due to LNAPL presence				NA
	04/13/15	Not sampled due to LNAPL presence				NA
	04/20/16	Not sampled due to LNAPL presence				NA
	03/27/17	Not sampled due to LNAPL presence				NA
	04/19/18	< 5.0	< 5.0	23	500	< 2.5
	04/17/19	< 1.0	< 1.0	1.9	52	< 2.5
	10/03/19	Not sampled due to LNAPL presence				
5-03B	05/01/89	< 5.0	< 5.0	< 5.0	NA	NA
	11/01/89	< 5.0	< 5.0	< 5.0	NA	NA
	04/01/90	< 5.0	< 5.0	< 5.0	< 5.0	NA
	05/01/90	< 5.0	< 5.0	< 5.0	< 5.0	NA
	08/01/90	< 1.0	< 1.0	< 1.0	< 1.0	NA
	11/01/90	< 0.50	< 0.50	< 0.50	< 1.0	NA
	01/01/91	< 0.30	< 0.30	< 0.30	< 0.60	NA
	02/01/91	< 0.50	< 0.50	< 0.50	< 1.0	NA
	03/01/91	< 0.50	< 0.50	< 0.50	< 1.0	NA
	04/01/91	< 0.50	< 0.50	< 0.50	< 1.0	NA
	05/01/91	< 0.50	< 0.50	< 0.50	< 1.0	NA
	06/01/91	< 0.50	1.4	< 0.50	2.2	NA
	07/01/91	< 0.50	< 0.50	< 0.50	< 1.0	NA
	09/01/91	< 0.50	< 0.50	< 0.50	< 1.0	NA
	10/01/91	< 0.50	< 0.50	< 0.50	< 0.50	NA
	11/01/91	< 0.50	< 0.50	< 0.50	< 0.50	NA
	12/01/91	< 0.50	< 0.50	< 0.50	< 0.50	NA
	01/09/92	< 0.50	< 0.50	< 0.50	< 0.50	NA
	01/27/92	< 0.50	< 0.50	< 0.50	< 0.50	NA
	02/19/92	< 0.50	< 0.50	< 0.50	< 0.50	NA
	03/17/92	< 0.50	< 0.50	< 0.50	< 0.50	NA
	04/28/92	< 0.50	< 0.50	< 0.50	< 0.50	NA
	10/07/92	< 0.50	< 0.50	< 0.50	< 0.50	NA
	12/09/94	< 0.50	< 0.50	< 0.50	< 0.50	NA
	06/26/95	< 0.50	< 0.50	< 0.50	< 0.50	NA
	10/03/95	< 0.50	< 0.50	< 0.50	< 0.50	NA
	11/15/95	< 0.50	< 0.50	< 0.50	< 0.50	NA
	02/19/96	< 0.50	< 0.50	< 0.50	< 0.50	NA
	05/21/96	< 0.50	< 0.50	< 0.50	< 0.50	NA
	08/12/96	< 0.50	< 0.50	< 0.50	< 0.50	NA
	11/18/96	< 0.50	< 0.50	< 0.50	< 0.50	NA
	02/24/97	< 0.50	< 0.50	< 0.50	< 0.50	NA
	05/20/97	< 0.50	< 0.50	< 0.50	< 0.50	NA
	08/18/97	< 0.50	< 0.50	< 0.50	< 0.50	NA
	11/17/97	< 0.50	< 0.50	< 0.50	< 0.50	NA
	02/10/98	< 0.50	< 0.50	< 0.50	< 0.50	NA
	06/11/98	< 0.50	< 0.50	< 0.50	< 0.50	NA

Table 3
Summary of Analytical Results for BTEX
Thoreau Compressor Station No. 5
Transwestern Pipeline Company, LLC
McKinley County, New Mexico

Well ID	Date	Benzene (ug/L)	Toluene (ug/L)	Ethylbenzene (ug/L)	Total Xylenes (ug/L)	Sulfate
5-03B (Cont.)	09/29/98	< 0.50	< 0.50	< 0.50	< 0.50	NA
	04/27/99	< 1.0	< 1.0	< 1.0	< 1.0	NA
	10/11/99	< 1.0	< 2.0	< 2.0	< 4.0	NA
	05/11/00	< 1.0	< 2.0	< 2.0	< 4.0	NA
	05/22/01	< 1.0	< 1.0	< 1.0	< 2.0	NA
	04/18/02	< 0.50	< 0.50	< 0.50	< 0.50	NA
	05/20/03	< 0.50	< 0.50	< 0.50	< 0.50	NA
	06/07/04	< 0.50	< 0.50	< 0.50	< 0.50	NA
5-04B	10/01/89	< 25.0	< 25.0	< 25.0	NA	NA
	12/01/89	**18**	< 5.0	< 5.0	NA	NA
	01/01/90	**21**	< 5.0	< 5.0	NA	NA
	04/01/90	**54**	< 5.0	7.1	110	NA
	06/01/90	**60**	< 50.0	< 50	64	NA
	08/01/90	**63**	9.5	< 1	15	NA
	11/01/90	**25**	< 5.0	< 5.0	< 10	NA
	01/01/91	**22**	1.6	0.75	5.6	NA
	03/01/91	**76**	11	< 0.50	5.7	NA
	04/01/91	**39**	0.66	< 0.50	2.9	NA
	05/01/91	**90**	1.1	0.96	13	NA
	06/01/91	**81**	21	14	87	NA
	07/01/91	**71**	< 0.50	4.5	43	NA
	09/01/91	**270**	< 1.0	6.6	54	NA
	10/01/91	**180**	< 5.0	7.8	48	NA
	11/01/91	< 1.2	< 1.2	11	83	NA
	12/01/91	**100**	< 2.5	5.1	45	NA
	01/10/92	**53**	< 1.2	3.7	44	NA
	01/28/92	**48**	2.8	6.5	44	NA
	02/19/92	**42**	< 1.0	3.4	39	NA
	03/18/92	< 0.50	< 0.50	< 0.50	< 0.50	NA
	04/28/92	**86**	80	60	570	NA
	10/13/92	**230**	40	19	260	NA
	04/21/93	**170**	130	26	280	NA
	12/12/94	**12**	2.2	3.4	3.3	NA
	12/20/94	2.7	0.7	< 0.5	1.3	NA
	01/10/95	**9.8**	2.3	< 0.5	2.0	NA
	03/07/95	**93**	1.5	6.1	1.9	NA
	06/08/95	**9.4**	1.4	0.6	< 0.50	NA
	06/26/95	**15**	< 0.5	0.7	< 0.50	NA
	10/05/95	**44**	1.7	3.1	< 0.50	NA
	11/17/95	**9.9**	1.1	0.6	< 0.50	NA
	02/20/96	< 0.50	< 0.50	< 0.50	< 0.50	NA
	05/14/00	3	< 2.0	< 2.0	< 4.0	NA
	11/17/00	1.65	< 0.50	< 0.50	< 1.00	NA
	05/22/01	1.72	< 1.0	< 1.0	< 2.0	NA
	11/18/01	< 1.0	< 1.0	< 1.0	< 2.0	NA
	04/19/02	< 0.50	< 0.50	< 0.50	< 0.50	NA
	10/31/02	< 0.50	< 0.50	< 0.50	< 0.50	NA
	05/21/03	< 0.50	< 0.50	< 0.50	< 0.50	NA
	11/11/03	< 0.50	< 0.50	< 0.50	< 0.50	NA
	11/18/14	Plugged and Abandoned				

Table 3
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Thoreau Compressor Station No. 5
Transwestern Pipeline Company, LLC
McKinley County, New Mexico

Well ID	Date	Benzene (ug/L)	Toluene (ug/L)	Ethylbenzene (ug/L)	Total Xylenes (ug/L)	Sulfate
5-05B	10/01/89	< 5.0	< 5.0	8.7	NA	NA
	11/01/89	< 5.0	< 5.0	< 5.0	NA	NA
	04/01/90	< 5.0	< 5.0	< 5.0	< 5.0	NA
	06/01/90	< 5.0	< 5.0	< 5.0	< 5.0	NA
	08/01/90	2.5	< 1.0	< 1.0	4.6	NA
	11/01/90	1.4	< 0.50	< 0.50	2.9	NA
	01/01/91	< 0.50	< 0.50	< 0.50	0.56	NA
	02/01/91	**49**	35	7.4	56	NA
	03/01/91	**12**	1.2	< 0.50	< 1.0	NA
	04/01/91	1.3	< 0.50	< 0.50	< 1.0	NA
	05/01/91	4.6	< 0.50	< 0.50	< 1.0	NA
	06/01/91	3.8	< 0.50	< 0.50	< 1.0	NA
	07/01/91	0.51	< 0.50	< 0.50	< 1.0	NA
	09/01/91	3.0	< 0.50	< 0.50	< 1.0	NA
	10/01/91	0.90	< 0.50	< 0.50	< 0.50	NA
	11/01/91	1.2	< 0.50	< 0.50	< 0.50	NA
	12/01/91	< 0.50	< 0.50	< 0.50	< 0.50	NA
	01/09/92	< 0.50	< 0.50	< 0.50	< 0.50	NA
	01/27/92	< 0.50	< 0.50	< 0.50	< 0.50	NA
	02/19/92	< 0.50	< 0.50	< 0.50	< 0.50	NA
	03/17/92	**53**	< 0.5	11	84	NA
	04/28/92	< 0.50	< 0.50	< 0.50	< 0.50	NA
	10/12/92	**770**	110	25	160	NA
	04/21/93	**38**	< 0.5	2.4	3	NA
	12/12/94	**150**	33	16	47	NA
	06/26/95	**17**	0.7	1.6	0.9	NA
	10/05/95	**8.2**	< 0.50	0.9	< 0.50	NA
	11/17/95	**5.0**	< 0.50	< 0.50	< 0.50	NA
	02/20/96	0.9	< 0.50	< 0.50	< 0.50	NA
	05/21/96	1.0	< 0.50	< 0.50	< 0.50	NA
	08/14/96	0.9	< 0.50	< 0.50	< 0.50	NA
	11/20/96	3.3	1.5	< 0.50	< 0.50	NA
	02/25/97	3.0	1.4	< 0.50	0.6	NA
	10/14/99	< 1.0	< 2.0	< 2.0	< 4.0	NA
	05/11/00	< 1.0	< 2.0	< 2.0	< 4.0	NA
	11/17/00	0.981	< 0.500	< 0.500	< 1.00	NA
	05/22/01	1.61	< 1.0	< 1.0	< 2.0	NA
	11/18/01	**7.4**	< 1.0	< 1.0	< 2.0	NA
	04/18/02	**5.2**	< 0.50	< 0.50	< 0.50	NA
	10/30/02	3.4	< 0.50	< 0.50	< 0.50	NA
	05/21/03	2.1	0.92	1.0	2.6	NA
	11/10/03	1.8	< 0.50	< 0.50	< 0.50	NA
	06/08/04	2.5	< 0.50	0.51	1.3	NA
5-06B	10/01/89	**15**	< 5.0	< 5.0	NA	NA
	12/01/89	**7.4**	35	21	NA	NA
	01/01/90	< 5.0	< 5.0	8.3	NA	NA
	04/01/90	**5.3**	< 5.0	< 5.0	120	NA
	06/01/90	< 5.0	< 5.0	< 5.0	19	NA
	08/01/90	< 1.0	< 1.0	1.5	36	NA
	11/01/90	1.8	< 0.50	0.5	21	NA
	01/01/91	< 1.0	< 1.0	< 1.0	31	NA
	02/01/91	**12**	2.5	< 0.50	21	NA
	03/01/91	2.0	< 0.50	< 0.50	5.1	NA

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Transwestern Pipeline Company, LLC
McKinley County, New Mexico

Well ID	Date	Benzene (ug/L)	Toluene (ug/L)	Ethylbenzene (ug/L)	Total Xylenes (ug/L)	Sulfate
5-06B (Cont.)	04/01/91	**5.2**	< 0.50	< 0.50	12	NA
	05/01/91	**7.7**	< 0.50	< 0.50	18	NA
	06/01/91	**11**	2.3	< 0.50	25	NA
	07/01/91	1.5	< 0.50	< 0.50	15	NA
	09/01/91	3.5	< 0.50	< 0.50	13	NA
	10/01/91	3.1	0.62	0.77	9.3	NA
	11/01/91	1.4	< 0.50	< 0.50	6.0	NA
	11/01/91	2.3	< 0.50	< 0.50	18	NA
	12/01/91	< 0.50	< 0.50	< 0.50	5.0	NA
	01/09/92	2.3	< 0.50	< 0.50	< 0.50	NA
	01/27/92	1.3	< 0.50	< 0.50	2.6	NA
	02/20/92	1.0	< 0.50	< 0.50	1.2	NA
	03/18/92	0.9	< 0.50	< 0.50	2.3	NA
	04/29/92	1.4	< 0.50	< 0.50	3.6	NA
	10/14/92	1.0	< 0.50	< 0.50	2.8	NA
	12/14/94	4.3	< 0.50	< 0.50	0.7	NA
	06/27/95	2.2	< 0.50	< 0.50	< 0.50	NA
	10/06/95	4.6	< 0.50	< 0.50	< 0.50	NA
	11/21/95	**6.2**	< 0.50	< 0.50	< 0.50	NA
	02/22/96	4.3	< 0.50	< 0.50	< 0.50	NA
	04/17/96	**8.9**	< 0.50	< 0.50	0.5	NA
	04/17/96	**9.4**	< 0.50	< 0.50	< 0.50	NA
	05/21/96	1.2	< 0.50	< 0.50	< 0.50	NA
	08/15/96	2.4	< 0.50	< 0.50	< 0.50	NA
	11/22/96	0.9	< 5.0	< 5.0	< 0.50	NA
	02/28/97	0.9	< 5.0	< 5.0	< 0.50	NA
	05/22/97	0.7	< 5.0	< 5.0	< 0.50	NA
	08/20/97	0.7	< 5.0	< 5.0	< 0.50	NA
	11/23/97	1.4	0.6	< 5.0	11	NA
	Plugged and Abandoned					
5-06C	12/08/98	1.0	< 0.5	< 0.5	5.7	NA
	01/08/98	1.9	< 0.5	< 0.5	3.1	NA
	02/12/98	2.2	1.4	< 0.5	1.3	NA
	06/11/98	1.2	0.6	< 0.5	< 0.5	NA
	10/02/98	1.5	1.3	< 0.5	< 0.5	NA
	04/29/99	< 1.0	< 1.0	< 1.0	< 1.0	NA
	10/14/99	< 1.0	< 2.0	< 2.0	< 4.0	NA
	05/13/00	1.0	< 2.0	< 2.0	< 4.0	NA
	11/17/00	< 0.50	< 0.50	< 0.50	< 1.0	NA
	05/22/01	< 1.0	< 1.0	< 1.0	< 2.0	NA
	11/19/01	1.19	< 1.0	< 1.0	< 2.0	NA
	04/20/02	1.1	< 0.50	< 0.50	< 0.50	NA
	10/30/02	< 0.50	< 0.50	< 0.50	< 0.50	NA
	05/21/03	< 0.50	< 0.50	< 0.50	< 0.50	NA
	11/10/03	< 0.50	< 0.50	< 0.50	< 0.50	NA
	06/07/04	< 0.50	< 0.50	< 0.50	< 0.50	NA
	06/09/05	< 0.50	< 0.50	< 0.50	< 0.50	NA
	07/11/06	< 1.0	< 1.0	< 1.0	< 3.0	NA
	07/25/07	< 1.0	< 1.0	< 1.0	< 2.0	NA
	09/23/08	< 1.0	< 1.0	< 1.0	< 2.0	NA
	08/04/09	< 1.0	< 1.0	< 1.0	< 2.0	NA
	05/18/10	< 1.0	< 1.0	< 1.0	< 2.0	NA
	09/25/11	< 1.0	< 1.0	< 1.0	< 2.0	NA

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Transwestern Pipeline Company, LLC
McKinley County, New Mexico

Well ID	Date	Benzene (ug/L)	Toluene (ug/L)	Ethylbenzene (ug/L)	Total Xylenes (ug/L)	Sulfate
5-06C (Cont.)	06/12/12	< 1.0	< 1.0	< 1.0	< 2.0	NA
	07/23/13	< 1.0	< 1.0	< 1.0	< 2.0	NA
	04/22/14	< 1.0	< 1.0	< 1.0	< 2.0	NA
	04/13/15	< 1.0	< 1.0	< 1.0	< 1.5	NA
	04/21/16	< 1.0	< 1.0	< 1.0	< 1.5	NA
	03/28/17	< 1.0	< 1.0	< 1.0	< 1.5	NA
	04/19/18	< 1.0	< 1.0	< 1.0	< 1.5	52
	04/16/19	< 1.0	< 1.0	< 1.0	< 1.5	62
	10/03/19	< 1.0	< 1.0	< 1.0	< 1.5	60
5-12B	08/01/90	< 1.0	< 1.0	< 1.0	< 1.0	NA
	11/01/90	< 0.50	< 0.50	< 0.50	< 1.0	NA
	01/01/91	1.5	4.7	0.79	3.8	NA
	02/01/91	< 0.50	< 0.50	< 0.50	< 1.0	NA
	03/01/91	< 0.50	< 0.50	< 0.50	< 1.0	NA
	04/01/91	< 0.50	< 0.50	< 0.50	< 1.0	NA
	05/01/91	< 0.50	< 0.50	< 0.50	< 1.0	NA
	06/01/91	< 0.50	< 0.50	< 0.50	< 1.0	NA
	07/01/91	< 0.50	< 0.50	< 0.50	< 1.0	NA
	10/01/91	< 0.50	< 0.50	< 0.50	< 0.50	NA
	01/07/92	< 0.50	< 0.50	< 0.50	< 0.50	NA
	04/30/92	< 0.50	< 0.50	< 0.50	< 0.50	NA
	10/08/92	< 0.50	< 0.50	< 0.50	< 0.50	NA
	10/03/95	< 0.50	< 0.50	< 0.50	< 0.50	NA
	11/16/95	< 0.50	< 0.50	< 0.50	< 0.50	NA
	02/20/96	< 0.50	< 0.50	< 0.50	< 0.50	NA
	05/21/96	< 0.50	< 0.50	< 0.50	< 0.50	NA
	08/13/96	< 0.50	< 0.50	< 0.50	< 0.50	NA
	11/19/96	< 0.50	< 0.50	< 0.50	< 0.50	NA
	02/26/97	< 0.50	< 0.50	< 0.50	< 0.50	NA
	05/21/97	< 0.50	< 0.50	< 0.50	< 0.50	NA
	08/19/97	< 0.50	< 0.50	< 0.50	< 0.50	NA
	11/17/97	< 0.50	< 0.50	< 0.50	< 0.50	NA
	02/11/98	< 0.50	< 0.50	< 0.50	< 0.50	NA
	06/09/98	< 0.50	< 0.50	< 0.50	< 0.50	NA
	09/30/98	< 0.50	< 0.50	< 0.50	< 0.50	NA
	04/27/99	< 1.0	< 1.0	< 1.0	< 1.0	NA
	10/12/99	< 1.0	< 2.0	< 2.0	< 4.0	NA
	05/11/00	< 1.0	< 2.0	< 2.0	< 4.0	NA
	05/23/01	< 1.0	< 1.0	< 1.0	< 2.0	NA
	04/19/02	< 0.50	< 0.50	< 0.50	< 0.50	NA
	05/20/03	< 0.50	< 0.50	< 0.50	< 0.50	NA
	06/08/04	< 0.50	< 0.50	< 0.50	< 0.50	NA
	11/17/14	Plugged and Abandoned				NA

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Well ID	Date	Benzene (ug/L)	Toluene (ug/L)	Ethylbenzene (ug/L)	Total Xylenes (ug/L)	Sulfate
5-13B	08/01/90	**54**	13	< 1.0	330	NA
	11/01/90	**61**	< 10.0	< 10.0	480	NA
	01/01/91	**180**	17	< 5.0	310	NA
	02/01/91	**270**	25	< 10.0	460	NA
	03/01/91	**240**	< 50.0	< 50.0	480	NA
	04/01/91	**430**	< 0.50	< 0.50	620	NA
	05/01/91	**290**	< 10	< 10.0	450	NA
	06/01/91	**330**	0.53	< 0.50	600	NA
	07/01/91	**97**	0.72	< 0.50	760	NA
	10/01/91	**71**	< 5.0	< 5.0	510	NA
	01/08/92	**150**	< 25.0	< 25.0	570	NA
	05/01/92	**76**	8.0	< 0.5	67	NA
	10/13/92	**88**	8.7	< 0.5	1.5	NA
	10/05/95	0.6	2.5	0.5	1.9	NA
	11/20/95	< 0.50	< 0.50	0.6	2.0	NA
	02/21/96	1.0	0.7	< 0.50	< 0.50	NA
	05/21/96	0.7	< 0.50	< 0.50	0.8	NA
	08/13/96	1	5.4	< 0.50	< 0.50	NA
	11/21/96	1.2	6.1	< 0.50	< 0.50	NA
	02/26/97	1.5	5.9	< 0.50	2.5	NA
	05/21/97	1.1	4.3	< 0.50	0.7	NA
	08/19/97	1.2	2.9	< 0.50	0.6	NA
	11/18/97	1.3	2	< 0.50	< 0.50	NA
	02/11/98	0.9	1.5	< 0.50	< 0.50	NA
	06/09/98	0.8	0.7	< 0.50	< 0.50	NA
	09/30/98	< 0.50	1.5	< 0.50	< 0.50	NA
	04/27/99	< 1.0	< 1.0	< 1.0	< 1.0	NA
	10/12/99	< 1.0	< 2.0	< 2.0	< 4.0	NA
	05/11/00	< 1.0	< 2.0	< 2.0	< 4.0	NA
	11/16/00	< 0.50	< 0.50	< 0.50	< 1.0	NA
	05/23/01	< 1.0	< 1.0	< 1.0	< 2.0	NA
	11/17/01	< 1.0	< 1.0	< 1.0	< 2.0	NA
	04/19/02	< 0.50	< 0.50	< 0.50	< 0.50	NA
	10/31/02	< 0.50	< 0.50	< 0.50	< 0.50	NA
	05/20/03	< 0.50	< 0.50	< 0.50	< 0.50	NA
	11/11/03	< 0.50	< 0.50	< 0.50	< 0.50	NA
	06/08/04	< 0.50	< 0.50	< 0.50	< 0.50	NA
	11/17/14	Plugged and Abandoned				NA
5-14B	08/01/90	< 1.0	< 1.0	< 1.0	< 1.0	NA
	11/01/90	< 0.50	< 0.50	< 0.50	< 1.0	NA
	01/01/91	< 0.50	< 0.50	< 0.50	< 1.0	NA
	02/01/91	< 0.50	< 0.50	< 0.50	< 1.0	NA
	03/01/91	< 0.50	< 0.50	< 0.50	< 1.0	NA
	04/01/91	< 0.50	< 0.50	< 0.50	< 1.0	NA
	05/01/91	< 0.50	< 0.50	< 0.50	< 1.0	NA
	06/01/91	2.8	3.2	0.53	2.0	NA
	07/01/91	0.60	< 0.50	< 0.50	< 1.0	NA
	10/01/91	< 0.50	< 0.50	< 0.50	< 0.50	NA
	01/06/92	< 0.50	< 0.50	< 0.50	< 0.50	NA
	04/30/92	< 0.50	< 0.50	< 0.50	< 0.50	NA
	10/08/92	< 0.50	< 0.50	< 0.50	< 0.50	NA
	10/04/95	< 0.50	< 0.50	< 0.50	< 0.50	NA
	11/16/95	< 0.50	< 0.50	< 0.50	< 0.50	NA

Table 3
Summary of Analytical Results for BTEX
Thoreau Compressor Station No. 5
Transwestern Pipeline Company, LLC
McKinley County, New Mexico

Well ID	Date	Benzene (ug/L)	Toluene (ug/L)	Ethylbenzene (ug/L)	Total Xylenes (ug/L)	Sulfate
5-14B (Cont.)	02/20/96	< 0.50	< 0.50	< 0.50	< 0.50	NA
	05/21/96	< 0.50	2.6	1.5	< 0.50	NA
	08/13/96	< 0.50	< 0.50	< 0.50	< 0.50	NA
	11/19/96	< 0.50	< 0.50	< 0.50	< 0.50	NA
	02/26/97	< 0.50	< 0.50	< 0.50	< 0.50	NA
	05/21/97	< 0.50	< 0.50	< 0.50	< 0.50	NA
	08/19/97	< 0.50	< 0.50	< 0.50	< 0.50	NA
	11/17/97	< 0.50	< 0.50	< 0.50	< 0.50	NA
	02/10/98	< 0.50	< 0.50	< 0.50	< 0.50	NA
	06/09/98	< 0.50	< 0.50	< 0.50	< 0.50	NA
	09/30/98	< 0.50	< 0.50	< 0.50	< 0.50	NA
	04/27/99	< 1.0	< 1.0	< 1.0	< 1.0	NA
	10/12/99	< 1.0	< 2.0	< 2.0	< 4.0	NA
	05/11/00	< 1.0	< 2.0	< 2.0	< 4.0	NA
	05/24/01	< 1.0	< 1.0	< 1.0	< 2.0	NA
	04/19/02	< 0.50	< 0.50	< 0.50	< 0.50	NA
	05/22/03	< 0.50	< 0.50	< 0.50	< 0.50	NA
	06/08/04	< 0.50	< 0.50	< 0.50	< 0.50	NA
	11/17/14	Plugged and Abandoned				NA
5-15B	08/01/90	< 1.0	< 1.0	< 1.0	< 1.0	NA
	11/01/90	2.1	< 0.50	< 0.50	< 1.0	NA
	01/01/91	< 0.30	< 0.30	< 0.30	1.0	NA
	02/01/91	< 0.50	< 0.50	< 0.50	< 1.0	NA
	03/01/91	< 0.50	< 0.50	< 0.50	< 1.0	NA
	04/01/91	< 0.50	< 0.50	< 0.50	< 1.0	NA
	05/01/91	< 0.50	< 0.50	< 0.50	< 1.0	NA
	06/01/91	< 0.50	< 0.50	< 0.50	< 1.0	NA
	07/01/91	< 0.50	0.59	< 0.50	< 1.0	NA
	10/01/91	< 0.50	< 0.50	< 0.50	< 0.50	NA
	01/07/92	< 0.50	< 0.50	< 0.50	< 0.50	NA
	04/30/92	< 0.50	< 0.50	< 0.50	< 0.50	NA
	10/08/92	< 0.50	< 0.50	< 0.50	< 0.50	NA
	10/05/95	< 0.50	< 0.50	< 0.50	< 0.50	NA
	11/16/95	< 0.50	< 0.50	< 0.50	< 0.50	NA
	02/20/96	< 0.50	< 0.50	< 0.50	< 0.50	NA
	05/21/96	< 0.50	< 0.50	< 0.50	< 0.50	NA
	08/14/96	< 0.50	< 0.50	< 0.50	< 0.50	NA
	11/20/96	< 0.50	< 0.50	< 0.50	< 0.50	NA
	02/26/97	< 0.50	< 0.50	< 0.50	< 0.50	NA
	05/21/97	< 0.50	< 0.50	< 0.50	< 0.50	NA
	08/19/97	< 0.50	< 0.50	< 0.50	< 0.50	NA
	11/17/97	0.9	< 0.50	< 0.50	0.5	NA
	02/11/98	1.5	< 0.50	1.0	1.2	NA
	06/10/98	< 0.50	< 0.50	< 0.50	< 0.50	NA
	09/30/98	< 0.50	< 0.50	< 0.50	< 0.50	NA
	04/28/99	< 1.0	< 1.0	< 1.0	< 1.0	NA
	10/12/99	< 1.0	< 2.0	< 2.0	< 4.0	NA
	05/12/00	< 1.0	< 2.0	< 2.0	< 4.0	NA
	05/24/01	< 1.0	< 1.0	< 1.0	< 2.0	NA
	04/19/02	< 0.50	< 0.50	< 0.50	< 0.50	NA
	05/22/03	< 0.50	< 0.50	< 0.50	< 0.50	NA
	06/08/04	< 0.50	< 0.50	< 0.50	< 0.50	NA
	11/18/14	Plugged and Abandoned				NA

Table 3
Summary of Analytical Results for BTEX
Thoreau Compressor Station No. 5
Transwestern Pipeline Company, LLC
McKinley County, New Mexico

Well ID	Date	Benzene (ug/L)	Toluene (ug/L)	Ethylbenzene (ug/L)	Total Xylenes (ug/L)	Sulfate
5-16B	08/01/90	**19**	25	50	320	NA
	01/01/91	< 0.30	< 0.30	< 0.30	< 0.60	NA
	02/01/91	**320**	46	170	860	NA
	03/01/91	**920**	14	1.2	130	NA
	04/01/91	**92**	< 0.50	0.68	9.2	NA
	05/01/91	**270**	< 12.0	230	1100	NA
	06/01/91	**450**	490	460	2300	NA
	07/01/91	**260**	140	400	2400	NA
	09/01/91	**460**	320	550	3600	NA
	10/01/91	**170**	420	460	3200	NA
	11/01/91	**180**	430	330	2400	NA
	12/01/91	**140**	490	360	2900	NA
	01/08/92	**200**	500	410	3000	NA
	02/20/92	**170**	330	470	3200	NA
	03/18/92	**53**	89	400	2400	NA
	04/29/92	**23**	3.3	210	1000	NA
	10/13/92	**5.1**	2.3	12	63	NA
	04/20/93	**6.5**	< 0.50	14	51	NA
	10/05/95	**610**	**5900**	300	2600	NA
	11/20/95	**970**	**7100**	430	3100	NA
	02/21/96	**1700**	**6900**	340	3600	NA
	05/21/96	**1500**	280	**6900**	3500	NA
	08/15/96	**670**	**3600**	130	2400	NA
	11/21/96	**460**	**2200**	130	2500	NA
	02/27/97	**250**	**1100**	190	2000	NA
	05/22/97	**130**	720	110	1500	NA
	08/20/97	**130**	820	120	1300	NA
	11/19/97	**85**	730	100	1100	NA
	02/11/98	**41**	360	90	660	NA
	06/10/98	**23**	210	56	590	NA
	10/01/98	**140**	190	66	590	NA
	04/28/99	**200**	170	45	620	NA
	10/13/99	**610**	630	79	600	NA
	12/05/99	**720**	390	130	570	NA
	05/12/00	**600**	290	92	360	NA
	11/17/00	**1360**	742	213	1010	NA
	05/24/01	**1240**	487	174	1105	NA
	11/18/01	**2330**	948	356	1987	NA
	04/20/02	**1800**	660	230	1400	NA
	10/31/02	**1300**	240	170	1100	NA
	05/22/03	**1300**	130	180	950	NA
	11/11/03	**2300**	240	340	1700	NA
	06/08/04	**890**	< 5.0	110	260	NA
	06/08/05	**1400**	< 5.0	160	520	NA
	07/10/06	**1600**	< 20.0	150	380	NA
	07/25/07	**1700**	< 20.0	170	590	NA
	09/23/08	**1900**	< 5.0	180	600	NA
	08/04/09	**1300**	< 5.0	150	590	NA
	05/18/10	**3800**	11	340	2200	NA
	09/25/11	**4400**	< 20.0	350	2600	NA
	06/12/12	**3300**	< 50.0	230	1600	NA
	07/23/13	**5100**	< 50.0	390	3000	NA
	04/21/14	**5000**	< 50.0	360	2500	NA

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Transwestern Pipeline Company, LLC
McKinley County, New Mexico

Well ID	Date	Benzene (ug/L)	Toluene (ug/L)	Ethylbenzene (ug/L)	Total Xylenes (ug/L)	Sulfate
5-16B (Cont.)	04/13/15	**3200**	< 50.0	240	1300	NA
	04/13/15 (DUP)	**1600**	< 50.0	110	610	NA
	04/21/16	**2500**	< 10.0	220	1100	NA
	04/20/18	**3500**	2.3	300	1800	8.2
	04/17/19	**1900**	< 20.0	150	470	8.8
	10/03/19	**77**	< 1.0	3.0	12	58
5-17B	08/01/90	< 1.0	< 1.0	< 1.0	< 1.0	NA
	11/01/90	< 0.50	< 0.50	< 0.50	< 1.0	NA
	01/01/91	< 0.50	< 0.50	< 0.50	< 0.50	NA
	02/01/91	< 0.50	< 0.50	< 0.50	< 1.0	NA
	03/01/91	< 0.50	< 0.50	< 0.50	< 1.0	NA
	04/01/91	< 0.50	< 0.50	< 0.50	< 1.0	NA
	05/01/91	< 0.50	< 0.50	< 0.50	< 1.0	NA
	06/01/91	0.72	2.9	1.8	11	NA
	07/01/91	< 0.50	< 0.50	< 0.50	< 1.0	NA
	10/01/91	< 0.50	< 0.50	< 0.50	< 0.50	NA
	01/08/92	< 0.50	< 0.50	< 0.50	< 0.50	NA
	02/19/92	< 0.50	< 0.50	< 0.50	< 0.50	NA
	03/17/92	< 0.50	< 0.50	< 0.50	< 0.50	NA
	04/28/92	< 0.50	< 0.50	< 0.50	< 0.50	NA
	10/07/92	< 0.50	< 0.50	< 0.50	< 0.50	NA
	10/06/95	< 0.50	< 0.50	< 0.50	< 0.50	NA
	11/20/95	< 0.50	< 0.50	< 0.50	< 0.50	NA
	02/20/96	< 0.50	< 0.50	< 0.50	< 0.50	NA
	05/21/96	< 0.50	< 0.50	< 0.50	< 0.50	NA
	08/14/96	< 0.50	< 0.50	< 0.50	< 0.50	NA
	11/20/96	< 0.50	< 0.50	< 0.50	< 0.50	NA
	02/27/97	< 0.50	< 0.50	< 0.50	< 0.50	NA
	05/21/97	< 0.50	< 0.50	< 0.50	< 0.50	NA
	08/20/97	< 0.50	< 0.50	< 0.50	< 0.50	NA
	11/18/97	< 0.50	< 0.50	< 0.50	< 0.50	NA
	02/11/98	< 0.50	< 0.50	< 0.50	< 0.50	NA
	06/10/98	< 0.50	< 0.50	< 0.50	< 0.50	NA
	10/01/98	< 0.50	< 0.50	< 0.50	< 0.50	NA
	04/28/99	< 1.0	< 1.0	< 1.0	< 1.0	NA
	10/13/99	< 1.0	< 2.0	< 2.0	< 4.0	NA
	05/12/00	< 1.0	< 2.0	< 2.0	< 4.0	NA
	11/17/00	< 0.50	< 0.50	< 0.50	< 1.00	NA
	05/23/01	< 1.0	< 1.0	< 1.0	< 2.0	NA
	11/17/01	< 1.0	< 1.0	< 1.0	< 2.0	NA
	04/19/02	< 0.50	< 0.50	< 0.50	< 0.50	NA
	10/31/02	< 0.50	< 0.50	< 0.50	< 0.50	NA
	05/22/03	< 0.50	< 0.50	< 0.50	< 0.50	NA
	11/11/03	< 0.50	< 0.50	< 0.50	< 0.50	NA
	06/08/04	< 0.50	< 0.50	< 0.50	< 0.50	NA
	06/08/05	< 0.50	< 0.50	< 0.50	< 0.50	NA
	07/10/06	< 1.0	< 1.0	< 1.0	< 3.0	NA
	07/25/07	< 1.0	< 1.0	< 1.0	< 2.0	NA
	09/23/08	< 1.0	< 1.0	< 1.0	< 2.0	NA
	08/04/09	< 1.0	< 1.0	< 1.0	< 2.0	NA

Table 3
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Thoreau Compressor Station No. 5
Transwestern Pipeline Company, LLC
McKinley County, New Mexico

Well ID	Date	Benzene (ug/L)	Toluene (ug/L)	Ethylbenzene (ug/L)	Total Xylenes (ug/L)	Sulfate
5-18B	08/01/90	**1100**	14	< 1.0	220	NA
	11/01/90	**1900**	< 100.0	< 100.0	320	NA
	01/01/91	**1300**	< 25.0	< 25.0	170	NA
	02/01/91	**970**	11	< 5.0	170	NA
	03/01/91	**260**	1.8	< 0.50	23	NA
	04/01/91	**1000**	< 1.0	< 1.0	78	NA
	06/01/91	**680**	1.1	1.0	150	NA
	07/01/91	**1500**	3.0	1.5	70	NA
	10/01/91	**1200**	< 25.0	< 25.0	130	NA
	01/08/92	**1100**	< 25.0	< 25.0	88	NA
	05/01/92	**790**	2.7	< 0.5	36	NA
	10/13/92	**820**	< 0.5	1.0	36	NA
	04/22/93	**360**	< 0.5	0.5	2.6	NA
	10/05/95	**87**	8.4	9.0	26	NA
	11/17/95	**240**	24	22	53	NA
	02/21/96	**290**	54	37	110	NA
	05/21/96	**390**	56	1.3	50	NA
	08/14/96	**400**	< 0.50	53	0.9	NA
	11/21/96	**210**	5	48	< 0.50	NA
	02/27/97	**9.4**	5.2	64	1.5	NA
	05/22/97	< 0.50	4.7	88	0.8	NA
	08/19/97	1.1	4.9	110	1.5	NA
	11/17/97	0.9	6	140	1.1	NA
	02/11/98	0.9	6.4	120	1.1	NA
	06/10/98	< 0.50	6.2	64	< 0.50	NA
	09/30/98	**5.6**	1.3	17	1.0	NA
	04/28/99	2	< 1	< 1	2.0	NA
	10/12/99	**17**	< 2	5	42	NA
	05/12/00	**10**	< 2	12	14	NA
	11/16/00	1.93	< 0.50	< 0.50	1.60	NA
	05/24/01	2.92	< 1.0	< 1.0	< 2.0	NA
	11/17/01	< 1.0	< 1.0	< 1.0	< 2.0	NA
	04/20/02	0.55	< 0.50	0.72	0.89	NA
	10/31/02	0.68	< 0.50	< 0.50	0.95	NA
	05/22/03	< 0.50	5.9	< 0.50	2.5	NA
	11/11/03	< 0.50	< 0.50	< 0.50	< 0.50	NA
	06/08/04	< 0.50	< 0.50	0.91	1.2	NA
	06/08/05	< 0.50	< 0.50	< 0.50	< 0.50	NA
	07/10/06	< 1.0	< 1.0	< 1.0	< 3.0	NA
	07/25/07	< 1.0	< 1.0	< 1.0	< 2.0	NA
	09/23/08	< 1.0	< 1.0	< 1.0	< 2.0	NA
	08/04/09	< 1.0	< 1.0	< 1.0	< 2.0	NA
	05/18/10	< 1.0	< 1.0	< 1.0	< 2.0	NA
	09/25/11	< 1.0	< 1.0	< 1.0	< 2.0	NA
	06/12/12	< 1.0	< 1.0	< 1.0	< 2.0	NA
	07/23/13	< 1.0	< 1.0	< 1.0	< 2.0	NA
	04/21/14	< 1.0	< 1.0	< 1.0	< 2.0	NA
	04/13/15	< 1.0	< 1.0	< 1.0	< 1.5	NA
	04/21/16	< 1.0	< 1.0	< 1.0	< 1.5	NA
	03/28/17	< 1.0	< 1.0	< 1.0	< 1.5	NA
	04/19/18	< 1.0	< 1.0	< 1.0	< 1.5	25
	04/17/19	< 1.0	< 1.0	< 1.0	< 1.5	29
	10/04/19	< 1.0	< 1.0	< 1.0	< 1.5	83

Table 3
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Thoreau Compressor Station No. 5
Transwestern Pipeline Company, LLC
McKinley County, New Mexico

Well ID	Date	Benzene (ug/L)	Toluene (ug/L)	Ethylbenzene (ug/L)	Total Xylenes (ug/L)	Sulfate
5-19B	08/01/90	**190**	3.5	5.8	44	NA
	11/01/90	**180**	11	< 10.0	< 20.0	NA
	01/01/91	**150**	< 0.30	0.60	15	NA
	02/01/91	**200**	5.8	< 2.5	14	NA
	03/01/91	**200**	30	180	880	NA
	04/01/91	**290**	< 25.0	210	880	NA
	05/01/91	**240**	< 0.50	0.71	21	NA
	06/01/91	**290**	7.5	2.2	22	NA
	07/01/91	**240**	< 0.50	0.58	14	NA
	10/01/91	**140**	< 2.5	< 2.5	12	NA
	01/08/92	**240**	< 5.0	< 5.0	9.0	NA
	02/20/92	**150**	< 2.5	< 2.5	4.2	NA
	03/19/92	**140**	< 0.5	< 0.50	5.9	NA
	04/29/92	**190**	< 0.5	< 0.50	4.3	NA
	10/13/92	**130**	< 0.5	< 0.50	4.4	NA
	10/05/95	1.0	0.7	< 0.50	< 0.50	NA
	11/20/95	< 0.50	< 0.50	< 0.50	< 0.50	NA
	02/21/96	0.9	0.8	< 0.50	< 0.50	NA
	05/21/96	< 0.50	< 0.50	< 0.50	< 0.50	NA
	08/14/96	0.7	0.6	< 0.50	< 0.50	NA
	11/21/96	0.9	0.6	< 0.50	< 0.50	NA
	02/27/97	1.3	1	< 0.50	0.7	NA
	05/21/97	1.2	1	< 0.50	< 0.50	NA
	08/20/97	1.7	1.3	0.6	< 0.50	NA
	11/17/97	2.5	2.0	0.9	0.7	NA
	02/11/98	2.3	1.8	0.8	0.7	NA
	06/10/98	1.5	1.4	1.5	0.6	NA
	10/01/98	**7.4**	3.9	1.6	2.9	NA
	04/28/99	**43**	< 1.0	1	3	NA
	10/12/99	**13**	< 2.0	< 2.0	< 4.0	NA
	05/12/00	**16**	< 2.0	3.0	4.0	NA
	11/17/00	1.03	< 0.50	1.88	< 1.0	NA
	05/24/01	< 1.0	< 1.0	1.17	< 2.0	NA
	11/17/01	< 1.0	< 1.0	< 1.0	< 2.0	NA
	04/19/02	< 0.50	< 0.50	< 0.50	< 0.50	NA
	10/31/02	< 0.50	< 0.50	< 0.50	< 0.50	NA
	05/22/03	< 0.50	< 0.50	< 0.50	< 0.50	NA
	11/11/03	< 0.50	< 0.50	< 0.50	< 0.50	NA
	06/08/04	< 0.50	< 0.50	< 0.50	< 0.50	NA
	11/18/14	Plugged and Abandoned				
5-20B	08/01/90	**58**	8.0	< 1.0	51	NA
	11/01/90	**180**	< 5.0	< 5.0	12	NA
	01/01/91	**93**	14	< 1.0	23	NA
	02/01/91	**280**	14	< 10	46	NA
	02/01/91	**110**	< 5.0	< 5.0	< 5.0	NA
	03/01/91	**200**	< 5.0	< 5.0	< 10	NA
	04/01/91	**180**	< 1.0	< 1.0	19	NA
	05/01/91	**160**	< 5.0	< 5.0	32	NA
	06/01/91	**300**	1.1	< 0.50	15	NA
	07/01/91	**73**	1.1	1.0	24	NA
	10/01/91	**57**	2.2	< 1.2	11	NA
	01/08/92	**31**	< 1.2	< 1.2	6.7	NA
	05/01/92	**55**	3.9	4.9	6.2	NA

Table 3
Summary of Analytical Results for BTEX
Thoreau Compressor Station No. 5
Transwestern Pipeline Company, LLC
McKinley County, New Mexico

Well ID	Date	Benzene (ug/L)	Toluene (ug/L)	Ethylbenzene (ug/L)	Total Xylenes (ug/L)	Sulfate
5-20B (Cont.)	10/12/92	**52**	2.7	4.4	11	NA
	04/21/93	**14**	< 0.50	6.1	10	NA
	10/05/95	3.2	0.7	3.5	< 0.50	NA
	11/17/95	**12**	2.3	< 0.50	2.6	NA
	02/21/96	2.8	1.7	2.7	2.3	NA
	05/21/96	1.7	1.3	0.8	< 0.50	NA
	08/14/96	**8.1**	0.7	0.8	1.5	NA
	11/20/96	**7.2**	0.9	1.4	< 0.50	NA
	02/27/97	**12**	1.3	1.8	3.3	NA
	05/22/97	2.0	0.7	0.8	0.5	NA
	08/19/97	**10**	1.0	1.9	1.4	NA
	11/18/97	4.3	0.8	1.1	1.1	NA
	02/11/98	< 0.5	1.3	2.3	0.5	NA
	06/09/98	**15**	0.8	0.7	< 0.50	NA
	10/01/98	1.5	1.4	1.5	1.3	NA
	04/28/99	< 1.0	< 1.0	1.0	< 1.0	NA
	10/12/99	< 1.0	< 2.0	< 2.0	< 4.0	NA
	05/12/00	1.0	2.0	2.0	4.0	NA
	11/16/00	0.961	< 0.50	0.763	< 1.0	NA
	05/24/01	3.28	< 1.0	< 1.0	< 2.0	NA
	11/17/01	< 1.0	< 1.0	< 1.0	< 2.0	NA
	04/19/02	0.86	< 0.50	< 0.50	< 0.50	NA
	10/31/02	0.76	0.70	< 0.50	< 0.50	NA
	05/22/03	1.0	0.91	< 0.50	< 0.50	NA
	11/11/03	0.5	< 0.50	< 0.50	< 0.50	NA
	06/08/04	1.1	< 0.50	< 0.50	< 0.50	NA
	06/08/05	1.0	0.53	< 0.50	< 0.50	NA
	07/12/06	1.3	< 1.0	< 1.0	< 3.0	NA
	07/25/07	< 1.0	< 1.0	< 1.0	< 2.0	NA
	09/23/08	< 1.0	< 1.0	< 1.0	< 2.0	NA
	08/04/09	< 1.0	< 1.0	< 1.0	< 2.0	NA
	05/18/10	< 1.0	< 1.0	< 1.0	< 2.0	NA
	09/25/11	< 1.0	< 1.0	< 1.0	< 2.0	NA
	06/12/12	< 1.0	< 1.0	< 1.0	< 2.0	NA
	07/23/13	< 1.0	< 1.0	< 1.0	< 2.0	NA
	04/21/14	< 1.0	< 1.0	< 1.0	< 2.0	NA
	04/13/15	< 1.0	< 1.0	< 1.0	< 1.5	NA
	04/21/16	< 1.0	< 1.0	< 1.0	< 1.5	NA
	03/28/17	< 1.0	< 1.0	< 1.0	< 1.5	NA
	04/19/18	< 1.0	< 1.0	< 1.0	< 1.5	77
	04/17/19	< 1.0	< 1.0	< 1.0	< 1.5	75
	10/04/19	< 1.0	< 1.0	< 1.0	< 1.5	78
5-22B	10/01/90	< 1.0	< 1.0	< 1.0	< 1.0	NA
	01/01/91	< 0.50	< 0.50	< 0.50	< 0.50	NA
	02/01/91	< 0.50	< 0.50	< 0.50	< 1.0	NA
	03/01/91	< 0.50	< 0.50	< 0.50	< 1.0	NA
	04/01/91	< 0.50	< 0.50	< 0.50	< 1.0	NA
	05/01/91	< 0.50	< 0.50	< 0.50	< 1.0	NA
	06/01/91	1.9	5.5	13	58	NA

Table 3
Summary of Analytical Results for BTEX
Thoreau Compressor Station No. 5
Transwestern Pipeline Company, LLC
McKinley County, New Mexico

Well ID	Date	Benzene (ug/L)	Toluene (ug/L)	Ethylbenzene (ug/L)	Total Xylenes (ug/L)	Sulfate
5-22B (Cont.)	07/01/91	< 0.50	< 0.50	< 0.50	< 1.0	NA
	09/01/91	< 0.50	< 0.50	< 0.50	< 1.0	NA
	10/01/91	< 0.50	< 0.50	< 0.50	< 0.50	NA
	11/01/91	< 0.50	< 0.50	< 0.50	< 0.50	NA
	12/01/91	< 0.50	< 0.50	< 0.50	< 0.50	NA
	01/10/92	< 0.50	< 0.50	< 0.50	< 0.50	NA
	01/28/92	< 0.50	< 0.50	< 0.50	< 0.50	NA
	02/19/92	< 0.50	< 0.50	< 0.50	< 0.50	NA
	03/18/92	< 0.50	< 0.50	< 0.50	< 0.50	NA
	04/28/92	< 0.50	< 0.50	< 0.50	< 0.50	NA
	10/08/92	< 0.50	< 0.50	< 0.50	< 0.50	NA
	12/12/94	< 0.50	< 0.50	< 0.50	< 0.50	NA
	06/26/95	< 0.50	< 0.50	< 0.50	< 0.50	NA
	10/03/95	< 0.50	< 0.50	< 0.50	< 0.50	NA
	11/15/95	< 0.50	< 0.50	< 0.50	< 0.50	NA
	02/21/96	< 0.50	< 0.50	< 0.50	< 0.50	NA
	05/21/96	< 0.50	< 0.50	< 0.50	< 0.50	NA
	08/12/96	< 0.50	< 0.50	< 0.50	< 0.50	NA
	11/18/96	< 0.50	< 0.50	< 0.50	1.9	NA
	02/27/97	**5.6**	9.3	< 0.50	65	NA
	05/22/97	3.6	< 0.50	< 0.50	7.1	NA
	08/20/97	3.2	7.3	< 0.50	5.3	NA
	11/18/97	3.8	2.3	< 0.50	0.6	NA
	11/26/14	Plugged and Abandoned				
5-23B	10/01/90	**5.3**	< 1.0	< 1.0	< 1.0	NA
	11/01/90	**5.1**	< 0.50	< 0.50	< 1.0	NA
	01/01/91	3.0	< 0.50	< 0.50	< 0.60	NA
	02/01/91	**6.6**	< 0.50	< 0.50	< 1.0	NA
	03/01/91	**8.5**	< 0.50	< 0.50	1.2	NA
	04/01/91	**5.0**	< 0.50	< 0.50	< 1.0	NA
	05/01/91	**120**	< 0.50	< 0.50	7.5	NA
	06/01/91	3.8	0.55	< 0.50	5.7	NA
	07/01/91	2.0	< 0.50	< 0.50	1.3	NA
	09/01/91	2.1	< 0.50	< 0.50	1.1	NA
	10/01/91	1.6	< 0.50	< 0.50	< 0.50	NA
	11/01/91	0.59	< 0.50	< 0.50	< 0.50	NA
	12/01/91	< 0.50	< 0.50	< 0.50	< 0.50	NA
	01/07/92	0.65	< 0.50	< 0.50	< 0.50	NA
	02/18/92	< 0.50	< 0.50	< 0.50	< 0.50	NA
	03/17/92	< 0.50	< 0.50	< 0.50	< 0.50	NA
	04/30/92	< 0.50	< 0.50	< 0.50	< 0.50	NA
	10/09/92	< 0.50	< 0.50	< 0.50	< 0.50	NA
	10/04/95	< 0.50	< 0.50	< 0.50	< 0.50	NA
	11/16/95	< 0.50	< 0.50	< 0.50	< 0.50	NA
	02/20/96	< 0.50	< 0.50	< 0.50	< 0.50	NA
	05/22/96	< 0.50	< 0.50	< 0.50	< 0.50	NA
	08/13/96	< 0.50	< 0.50	< 0.50	< 0.50	NA
	11/19/96	< 0.50	< 0.50	< 0.50	< 0.50	NA
	02/26/97	< 0.50	< 0.50	< 0.50	< 0.50	NA
	05/21/97	< 0.50	< 0.50	< 0.50	< 0.50	NA
	08/19/97	< 0.50	< 0.50	< 0.50	< 0.50	NA
	11/17/97	< 0.50	< 0.50	< 0.50	< 0.50	NA
	02/10/98	< 0.50	< 0.50	< 0.50	< 0.50	NA

Table 3
Summary of Analytical Results for BTEX
Thoreau Compressor Station No. 5
Transwestern Pipeline Company, LLC
McKinley County, New Mexico

Well ID	Date	Benzene (ug/L)	Toluene (ug/L)	Ethylbenzene (ug/L)	Total Xylenes (ug/L)	Sulfate
5-23B (Cont.)	06/08/98	< 0.50	< 0.50	< 0.50	< 0.50	NA
	09/29/98	< 0.50	< 0.50	< 0.50	< 0.50	NA
	04/27/99	< 1.0	< 1.0	< 1.0	< 1.0	NA
	10/12/99	< 1.0	< 2.0	< 2.0	< 4.0	NA
	05/11/00	< 1.0	< 2.0	< 2.0	< 4.0	NA
	05/23/01	< 1.0	< 1.0	< 1.0	< 2.0	NA
	04/19/02	< 0.50	< 0.50	< 0.50	< 0.50	NA
	05/20/03	< 0.50	< 0.50	< 0.50	< 0.50	NA
	06/08/04	< 0.50	< 0.50	< 0.50	< 0.50	NA
	11/17/14	Plugged and Abandoned				
5-24B	10/01/90	**63**	< 1.0	2.0	1.6	NA
	11/01/90	**100**	< 5.0	< 5.0	< 10.0	NA
	01/01/91	**40**	0.55	0.74	< 1.0	NA
	02/01/91	**150**	16	< 5.0	21	NA
	03/01/91	**89**	9.8	< 0.50	3.5	NA
	04/01/91	**230**	< 1.0	< 1.0	6.3	NA
	05/01/91	4.3	< 0.50	< 0.50	1.3	NA
	06/01/91	**280**	0.86	0.64	13	NA
	07/01/91	**130**	< 0.50	< 0.50	8.7	NA
	09/01/91	**250**	0.54	< 0.50	12	NA
	10/01/91	**140**	< 2.5	< 2.5	< 2.5	NA
	11/01/91	**180**	< 5.0	< 5.0	< 5.0	NA
	12/01/91	**180**	< 5.0	< 5.0	< 5.0	NA
	01/07/92	**120**	< 2.5	< 2.5	< 2.5	NA
	02/18/92	**140**	< 2.5	< 2.5	< 2.5	NA
	03/17/92	**120**	< 2.5	0.8	1.4	NA
	04/30/92	**100**	2.1	1.4	2.2	NA
	10/13/92	1.2	< 0.50	0.8	0.8	NA
	04/21/93	< 0.5	< 0.50	0.7	1.4	NA
	10/03/95	< 0.5	< 0.50	1.0	1.0	NA
	11/17/95	1.2	0.8	0.5	1.0	NA
	02/20/96	1.3	1.0	0.7	2.0	NA
	05/21/96	< 0.5	0.9	< 0.5	0.7	NA
	08/13/96	1.2	0.6	0.7	1.3	NA
	11/19/96	0.9	< 0.50	0.6	0.8	NA
	02/26/97	0.9	0.6	1	1.8	NA
	05/21/97	0.7	< 0.50	1	1.6	NA
	08/19/97	1.2	0.5	0.9	< 5.00	NA
	11/18/97	0.6	< 0.50	0.7	1.3	NA
	02/10/98	0.5	< 0.50	0.7	< 0.50	NA
	06/09/98	< 0.50	< 0.50	< 0.50	< 0.50	NA
	09/29/98	< 0.50	0.6	< 0.50	< 0.50	NA
	04/27/99	< 1.0	< 1.0	< 1.0	< 1.0	NA
	10/11/99	< 1.0	< 2.0	< 2.0	< 4.0	NA
	05/11/00	< 1.0	< 2.0	< 2.0	< 4.0	NA
	11/16/00	< 0.50	< 0.50	< 0.50	< 1.00	NA
	05/23/01	< 1.0	< 1.0	< 1.0	< 2.0	NA
	11/17/01	< 1.0	< 1.0	< 1.0	< 2.0	NA
	04/19/02	< 0.50	< 0.50	< 0.50	0.59	NA
	10/31/02	< 0.50	< 0.50	< 0.50	< 0.50	NA
	05/20/03	< 0.50	< 0.50	< 0.50	< 0.50	NA
	11/11/03	< 0.50	< 0.50	< 0.50	< 0.50	NA
	06/08/04	< 0.50	< 0.50	< 0.50	< 0.50	NA
	11/17/14	Plugged and Abandoned				

Table 3
Summary of Analytical Results for BTEX
Thoreau Compressor Station No. 5
Transwestern Pipeline Company, LLC
McKinley County, New Mexico

Well ID	Date	Benzene (ug/L)	Toluene (ug/L)	Ethylbenzene (ug/L)	Total Xylenes (ug/L)	Sulfate
5-34B	01/07/92	**120**	< 2.5	< 2.5	< 2.5	NA
	02/18/92	**140**	< 2.5	< 2.5	< 2.5	NA
	03/17/92	**120**	< 0.50	0.8	1.4	NA
	04/30/92	**100**	2.1	1.4	2.2	NA
	10/13/92	1.2	< 0.50	0.8	0.8	NA
	04/21/93	< 0.50	< 0.50	0.7	1.4	NA
	12/13/94	**4700**	**13000**	460	5900	NA
5-35B	04/22/93	**360**	**1400**	130	1700	NA
	05/18/10	**5700**	< 100.0	310	1900	NA
	09/25/11	**3700**	< 100.0	170	900	NA
	06/12/12	**4000**	< 100.0	190	1200	NA
	07/23/13	**4100**	< 100.0	180	1200	NA
	04/22/14	**2500**	< 20.0	110	830	NA
	04/13/15	**980**	< 50.0	61	480	NA
	04/21/16	**2100**	< 100	90	780	7.3
	03/28/17	**1800**	< 50	< 50	490	3.4
	6/20/2017	**1300**	< 20	28	250	5.2
	9/22/2017	**1300**	8.7	25	250	2.9
	4/19/2018	**1800**	<20	36	300	27
	4/16/2019	**2400**	< 10	54	410	< 2.5
	10/3/2019	**2500**	< 10	59	470	< 2.5
5-36E	12/14/94	**620**	**2700**	230	3300	NA
5-37I	02/22/96	**640**	520	24	990	NA
	04/16/96	**580**	300	22	600	NA
	05/21/96	**590**	19	340	600	NA
	07/03/96	**1100**	600	31	880	NA
	08/15/96	**310**	54	14	430	NA
	11/22/96	**440**	140	20	520	NA
5-41B	10/09/92	**47**	3.9	0.7	1.0	NA
	04/20/93	1.4	< 0.50	2.5	2.1	NA
	10/04/95	< 0.50	< 0.50	< 0.50	< 0.50	NA
	11/16/95	< 0.50	< 0.50	< 0.50	< 0.50	NA
	02/19/96	< 0.50	< 0.50	< 0.50	< 0.50	NA
	05/21/96	< 0.50	< 0.50	< 0.50	< 0.50	NA
	08/13/96	< 0.50	< 0.50	< 0.50	< 0.50	NA
	11/19/96	< 0.50	< 0.50	< 0.50	< 0.50	NA
	02/25/97	< 0.50	< 0.50	< 0.50	< 0.50	NA
	05/20/97	< 0.50	< 0.50	< 0.50	< 0.50	NA
	08/18/97	< 0.50	< 0.50	< 0.50	< 0.50	NA
	11/26/14	Plugged and Abandoned				
5-47B	10/07/92	1.0	< 0.50	< 0.50	< 0.50	NA
	04/20/93	2.9	< 0.50	< 0.50	< 0.50	NA
	10/04/95	**7.2**	2.0	0.6	4.6	NA
	11/15/95	< 0.50	< 0.50	< 0.50	< 0.50	NA
	02/19/96	< 0.50	< 0.50	< 0.50	< 0.50	NA
	05/21/96	< 0.50	< 0.50	< 0.50	< 0.50	NA
	08/13/96	< 0.50	< 0.50	< 0.50	< 0.50	NA
	11/19/96	< 0.50	< 0.50	< 0.50	< 0.50	NA
	02/26/97	< 0.50	< 0.50	< 0.50	< 0.50	NA
	05/20/97	< 0.50	< 0.50	< 0.50	< 0.50	NA
	08/18/97	< 0.50	< 0.50	< 0.50	< 0.50	NA
	Plugged and Abandoned					

Table 3
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Thoreau Compressor Station No. 5
Transwestern Pipeline Company, LLC
McKinley County, New Mexico

Well ID	Date	Benzene (ug/L)	Toluene (ug/L)	Ethylbenzene (ug/L)	Total Xylenes (ug/L)	Sulfate
5-48B	10/12/92	**380**	**1100**	84	840	NA
	04/21/93	**99**	390	34	360	NA
	10/05/95	**550**	940	290	1900	NA
	11/20/95	**820**	**1700**	390	2600	NA
	02/21/96	**690**	**1100**	550	3300	NA
	04/16/96	**600**	**1700**	420	3100	NA
	05/21/96	**620**	480	**3600**	3600	NA
	07/03/96	**670**	**5100**	410	3500	NA
	08/14/96	**770**	**7600**	340	3900	NA
	11/21/96	**960**	**8500**	330	3900	NA
	02/27/97	**1100**	**10000**	430	4700	NA
	05/22/97	**1100**	**8000**	450	4400	NA
	08/20/97	**1200**	**7000**	440	4200	NA
	11/19/97	**1400**	**6900**	330	3900	NA
	12/09/97	**1800**	**7700**	430	4700	NA
	01/08/98	**1600**	**7600**	440	4100	NA
	02/11/98	**2100**	**8000**	460	4600	NA
	06/11/98	**2100**	**8000**	200	3800	NA
	10/01/98	**2100**	**6100**	420	4300	NA
	04/28/99	**1700**	**4400**	140	3100	NA
	10/12/99	**1000**	**1900**	320	2900	NA
	05/12/00	**1400**	680	270	2200	NA
	11/17/00	**860**	157	259	2360	NA
	05/22/01	**683**	194	28.8	1703	NA
	11/18/01	**841**	24.3	241	1893	NA
	04/20/02	**1100**	23	190	1700	NA
	10/30/02	**5600**	51	350	3100	NA
	05/21/03	**2100**	< 50.0	320	2700	NA
	11/11/03	**4100**	< 25.0	520	4700	NA
	06/07/04	**3400**	38	420	3200	NA
	06/09/05	**2500**	< 25.0	200	1500	NA
5-57B	04/19/93	< 0.50	< 0.50	< 0.50	< 0.50	NA
	10/04/95	< 0.50	< 0.50	< 0.50	< 0.50	NA
	11/15/95	< 0.50	< 0.50	< 0.50	< 0.50	NA
	02/19/96	< 0.50	< 0.50	< 0.50	< 0.50	NA
	05/21/96	< 0.50	< 0.50	< 0.50	< 0.50	NA
	08/12/96	< 0.50	< 0.50	< 0.50	< 0.50	NA
	11/08/96	< 0.50	< 0.50	< 0.50	< 0.50	NA
	02/25/97	< 0.50	< 0.50	< 0.50	< 0.50	NA
	05/20/97	< 0.50	< 0.50	< 0.50	< 0.50	NA
	08/18/97	< 0.50	< 0.50	< 0.50	< 0.50	NA
	Plugged and Abandoned					
5-58B	04/19/93	< 0.50	< 0.50	< 0.50	< 0.50	NA
	10/04/95	< 0.50	< 0.50	< 0.50	< 0.50	NA
	11/16/95	< 0.50	< 0.50	< 0.50	< 0.50	NA
	02/19/96	< 0.50	< 0.50	< 0.50	< 0.50	NA
	05/21/96	< 0.50	< 0.50	< 0.50	< 0.50	NA
	08/12/96	< 0.50	< 0.50	< 0.50	< 0.50	NA
	11/18/96	< 0.50	< 0.50	< 0.50	< 0.50	NA
	02/25/97	< 0.50	< 0.50	< 0.50	< 0.50	NA
	05/20/97	< 0.50	< 0.50	< 0.50	< 0.50	NA
	08/18/97	< 0.50	< 0.50	< 0.50	< 0.50	NA
	Plugged and Abandoned					

Table 3
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Thoreau Compressor Station No. 5
Transwestern Pipeline Company, LLC
McKinley County, New Mexico

Well ID	Date	Benzene (ug/L)	Toluene (ug/L)	Ethylbenzene (ug/L)	Total Xylenes (ug/L)	Sulfate
5-59	07/28/01	< 1.0	< 1.0	< 1.0	< 2.0	NA
	11/19/01	< 1.0	< 1.0	< 1.0	< 2.0	NA
	04/20/02	< 0.50	< 0.50	< 0.50	< 0.50	NA
	10/30/02	< 0.50	< 0.50	< 0.50	< 0.50	NA
	05/21/03	< 0.50	< 0.50	< 0.50	< 0.50	NA
	11/11/03	< 0.50	< 0.50	< 0.50	< 0.50	NA
	06/08/04	< 0.50	< 0.50	< 0.50	< 0.50	NA
	06/09/05	< 0.50	< 0.50	< 0.50	< 0.50	NA
	07/11/06	< 1.0	< 1.0	< 1.0	< 3.0	NA
	07/25/07	< 1.0	< 1.0	< 1.0	< 2.0	NA
	09/23/08	< 1.0	< 1.0	< 1.0	< 2.0	NA
	08/04/09	< 1.0	< 1.0	< 1.0	< 2.0	NA
	05/18/10	< 1.0	< 1.0	< 1.0	< 2.0	NA
	09/25/11	< 1.0	< 1.0	< 1.0	< 2.0	NA
	06/12/12	< 1.0	< 1.0	< 1.0	< 2.0	NA
	07/23/13	< 1.0	< 1.0	< 1.0	< 2.0	NA
	04/22/14	< 1.0	< 1.0	< 1.0	< 5.9	NA
	04/13/15	< 1.0	< 1.0	< 1.0	< 1.5	NA
	04/21/16	< 1.0	< 1.0	< 1.0	< 1.5	NA
	03/28/17	< 1.0	< 1.0	< 1.0	< 1.5	NA
	04/20/18	< 1.0	< 1.0	< 1.0	< 1.5	60
	04/16/19	< 1.0	< 1.0	< 1.0	< 1.5	64
	10/03/19	< 1.0	< 1.0	< 1.0	< 1.5	66
5-60	11/18/01	< 1.0	< 1.0	< 1.0	< 2.0	NA
	04/20/02	< 0.50	< 0.50	< 0.50	< 0.50	NA
	10/31/02	< 0.50	< 0.50	< 0.50	< 0.50	NA
	05/21/03	< 0.50	< 0.50	< 0.50	< 0.50	NA
	11/11/03	< 0.50	< 0.50	< 0.50	< 0.50	NA
	06/08/04	< 0.50	< 0.50	< 0.50	< 0.50	NA
	06/09/05	< 0.50	< 0.50	< 0.50	< 0.50	NA
	07/11/06	< 1.0	< 1.0	< 1.0	< 3.0	NA
	07/25/07	< 1.0	< 1.0	< 1.0	< 2.0	NA
	09/23/08	< 1.0	< 1.0	< 1.0	< 2.0	NA
	08/04/09	< 1.0	< 1.0	< 1.0	< 2.0	NA
	10/03/19	< 1.0	< 1.0	< 1.0	< 1.5	61
SVE-1	05/11/00	< 1.0	< 2.0	< 2.0	< 4.0	NA
	11/16/00	< 0.50	< 0.50	< 0.50	< 1.0	NA
	11/18/01	< 1.0	< 1.0	< 1.0	< 2.0	NA
	04/18/02	< 0.50	< 0.50	< 0.50	< 0.50	NA
	10/31/02	< 0.50	< 0.50	< 0.50	< 0.50	NA
	05/22/03	< 0.50	< 0.50	< 0.50	< 0.50	NA
	11/11/03	< 0.50	< 0.50	< 0.50	< 0.50	NA
	06/08/04	< 0.50	< 0.50	< 0.50	< 0.50	NA
	11/18/14	Plugged and Abandoned				

Table 3
Summary of Analytical Results for BTEX
Thoreau Compressor Station No. 5
Transwestern Pipeline Company, LLC
McKinley County, New Mexico

Well ID	Date	Benzene (ug/L)	Toluene (ug/L)	Ethylbenzene (ug/L)	Total Xylenes (ug/L)	Sulfate
SVE-3	05/18/10	**6300**	< 50.0	430	3900	NA
	09/25/11	**6300**	< 100.0	380	3300	NA
	06/12/12	**5400**	< 100.0	240	3500	NA
	07/23/13	**6200**	< 100.0	280	2700	NA
	04/22/14	**6800**	< 50.0	280	1900	NA
	04/13/15	**5600**	< 100.0	250	1400	NA
	04/21/16	**4200**	< 10	220	830	< 2.5
	03/28/17	**4300**	< 20	160	2900	< 0.50
	6/20/17	**5700**	< 20	270	4600	0.67
	9/22/17	**3400**	< 8	120	2200	< 2.5
	4/19/2018	**3700**	< 20	140	390	31
	4/17/2019	**3500**	< 20	160	210	**2400**
	10/4/2019	**3100**	< 20	210	250	**6400**
AS-4	4/20/2018	< 5.0	< 5.0	< 5.0	< 7.5	**23000**
	4/16/2019	**8.4**	1.6	< 1.0	5.4	**34000**
	10/3/2019	**23**	5.4	1.2	9.4	**12000**
AS-10	4/20/2018	**120**	53	<5.0	35	**34000**
	4/17/2019	**380**	320	33	290	**18000**
	10/3/2019	**200**	170	13	52	**11000**
AS-15	4/20/2018	< 10	< 10	< 10	< 15	**20000**
	4/17/2019	**39**	< 5	< 5	< 10	**29000**
	10/4/2019	**5.7**	< 1.0	< 1.0	< 1.5	**3500**

Notes:
ug/L = micrograms per liter
EPA = Environmental Protection Agency
NPDWR = National Primary Drinking Water Regulation
NA = Not Analyzed
< x = concentration below laboratory detection limit of x
Bold = exceeds NPDWR standard
LNAPL = light non-aqueous phase liquid

Table 4
Summary of Analytical Results for PCBs
Thoreau Compressor Station No. 5
Transwestern Pipeline Company, LLC
McKinley County, New Mexico

Well ID	Date	PCB Concentrations by Aroclor (µg/L)						
		1016	1221	1232	1242	1248	1254	1260
EPA NPDWR Standard		0.5						
5-01B	8/1/1989	**2.1**	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	12/1/1989	< 1.0	< 1.0	< 1.0	**2.0**	< 1.0	< 1.0	< 1.0
	3/1/1990	< 1.0	**94**	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	6/1/1990	< 1.0	< 1.0	< 1.0	**11**	< 1.0	< 1.0	< 1.0
	8/1/1990	< 1.0	< 1.0	< 1.0	**2.0**	< 1.0	< 1.0	< 1.0
	11/1/1990	< 1.0	< 1.0	< 1.0	**5.5**	< 1.0	< 1.0	< 1.0
	1/1/1991	< 1.0	< 1.0	< 1.0	**28**	< 1.0	< 1.0	< 1.0
	2/1/1991	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	3/1/1991	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	4/1/1991	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	5/1/1991	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	6/1/1991	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	7/1/1991	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	9/1/1991	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	10/1/1991	< 1.0	**210**	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	11/1/1991	< 1.0	**76**	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	12/1/1991	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	1/9/1992	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	1/27/1992	< 1.0	**67**	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	2/20/1992	< 1.0	**82**	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	3/18/1992	< 1.0	**54**	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	4/29/1992	< 1.0	**71**	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	10/14/1992	< 1.0	**82**	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	12/13/1994	**4.9**	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	6/27/1995	< 1.0	< 1.0	< 1.0	**4.18**	< 1.0	< 1.0	< 1.0
	10/6/1995	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	11/21/1995	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	2/22/1996	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	4/17/1996	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	4/17/1996	< 1.0	**0.93**	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	5/24/1996	< 1.0	**34**	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	8/15/1996	< 1.0	**14.2**	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	11/22/1996	< 1.0	**15.6**	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	2/28/1997	< 1.0	**15.2**	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	5/22/1997	< 1.0	**11.9**	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	8/21/1997	< 1.0	**18.2**	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	Plugged and Abandoned							
5-01C	11/23/1997	< 1.0	**79.7**	< 1.0	**49.0**	< 1.0	< 1.0	< 1.0
	1/8/1998	< 1.0	**38**	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	2/12/1998	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	6/11/1998	< 1.0	**38**	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	10/2/1998	< 1.0	**10**	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	4/29/1999	**3.8**	**9.8**	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	10/14/1999	**4.9**	**3.5**	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	5/12/2000	**2.7**	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
	11/17/2000	< 0.5	< 1.0	< 0.5	**1.9**	< 0.5	< 0.5	< 0.5
	5/22/2001	--	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
	11/19/2001	--	< 0.5	< 0.5	**13.5**	< 0.5	< 0.5	< 0.5
	4/20/2002	< 0.5	**1.37**	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
	10/30/2002	**1.5**	< 5.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0

Table 4
Summary of Analytical Results for PCBs
Thoreau Compressor Station No. 5
Transwestern Pipeline Company, LLC
McKinley County, New Mexico

Well ID	Date	PCB Concentrations by Aroclor (µg/L)						
		1016	1221	1232	1242	1248	1254	1260
EPA NPDWR Standard		0.5						
5-01C (Cont.)	5/21/2003	--	**2.6**	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	11/10/2003	< 1.0	< 5.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	6/7/2004	< 1.0	< 5.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	6/8/2005	< 1.0	< 5.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	7/11/2006	< 1.0	< 5.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	7/25/2007	< 1.0	< 5.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	9/23/2008	< 1.0	< 5.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	8/4/2009	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
5-06B	10/1/1989	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	12/1/1989	< 1.0	**180**	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	1/1/1990	< 1.0	**100**	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	4/1/1990	< 1.0	**170**	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	6/1/1990	< 1.0	< 1.0	< 1.0	**39**	< 1.0	< 1.0	< 1.0
	8/1/1990	< 1.0	< 1.0	< 1.0	**1.1**	< 1.0	< 1.0	< 1.0
	11/1/1990	< 1.0	< 1.0	< 1.0	**65**	< 1.0	< 1.0	< 1.0
	1/1/1991	< 1.0	< 1.0	< 1.0	**39**	< 1.0	< 1.0	< 1.0
	2/1/1991	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	3/1/1991	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	4/1/1991	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	5/1/1991	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	6/1/1991	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	7/1/1991	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	9/1/1991	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	10/1/1991	< 1.0	**250**	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	11/1/1991	< 1.0	**140**	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	11/1/1991	< 1.0	**210**	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	12/1/1991	< 1.0	**270**	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	1/9/1992	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	1/27/1992	< 1.0	**190**	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	2/20/1992	< 1.0	**200**	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	3/18/1992	< 1.0	**140**	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	4/29/1992	< 1.0	**150**	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	10/14/1992	< 1.0	**280**	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	12/14/1994	**88**	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	6/27/1995	< 1.0	< 1.0	< 1.0	**26.3**	< 1.0	< 1.0	< 1.0
	10/6/1995	< 1.0	< 1.0	< 1.0	**30.1**	< 1.0	< 1.0	< 1.0
	11/21/1995	< 1.0	< 1.0	< 1.0	**44.4**	< 1.0	< 1.0	< 1.0
	2/22/1996	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	4/17/1996	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	5/23/1996	< 1.0	**78**	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	8/15/1996	< 1.0	**166.7**	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	8/15/1996	< 1.0	**260**	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	11/22/1996	< 1.0	**42.8**	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	2/28/1997	< 1.0	**48.2**	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	5/22/1997	< 1.0	**7.29**	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	8/20/1997	< 1.0	**16.5**	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	Plugged and Abandoned							

Table 4
Summary of Analytical Results for PCBs
Thoreau Compressor Station No. 5
Transwestern Pipeline Company, LLC
McKinley County, New Mexico

Well ID	Date	PCB Concentrations by Aroclor (µg/L)						
		1016	1221	1232	1242	1248	1254	1260
EPA NPDWR Standard		0.5						
5-06C	11/23/1997	< 0.5	**160**	< 0.5	**114**	< 0.5	< 0.5	< 0.5
	12/9/1997	< 0.5	< 0.5	**65**	< 0.5	< 0.5	< 0.5	< 0.5
	1/8/1998	< 0.5	**220**	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
	2/12/1998	< 0.5	**320**	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
	6/11/1998	< 0.5	**180**	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
	10/2/1998	< 0.5	**29**	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
	4/29/1999	**7.1**	**320**	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
	10/14/1999	**14**	**300**	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
	5/13/2000	**7.2**	< 0.5	< 0.5	**266**	< 0.5	< 0.5	< 0.5
	5/13/2000	**6.6**	< 0.5	< 0.5	**263**	< 0.5	< 0.5	< 0.5
	11/17/2000	< 0.5	< 1.0	< 0.5	**5.23**	< 0.5	< 0.5	< 0.5
	11/17/2000	**4.45**	< 0.5	< 0.5	**5.17**	< 0.5	< 0.5	< 0.5
	5/22/2001	--	< 0.5	< 0.5	**3.1**	< 0.5	< 0.5	< 0.5
	5/22/2001	--	< 0.5	< 0.5	**5.81**	< 0.5	< 0.5	< 0.5
	11/18/2001	--	< 0.5	< 0.5	**43.7**	< 0.5	< 0.5	< 0.5
	11/18/2001	--	< 0.5	< 0.5	**40.5**	< 0.5	< 0.5	< 0.5
	4/20/2002	< 10.0	**150**	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0
	4/20/2002	< 10.0	**168**	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0
	10/30/2002	--	**41**	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	5/21/2003	--	**5.8**	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	11/10/2003	**1.7**	< 5.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	6/7/2004	**2.8**	< 5.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	6/9/2005	**2.2**	< 5.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	7/11/2006	**1.5**	< 5.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	7/25/2007	< 1.0	< 5.0	< 1.0	< 1.0	**1.1**	< 1.0	< 1.0
	7/25/2007	< 1.0	< 5.0	< 1.0	< 1.0	**1.1**	< 1.0	< 1.0
	9/23/2008	< 1.0	< 5.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	9/23/2008	**1.3**	< 5.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	8/4/2009	**1.3**	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	8/4/2009	**1.7**	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	5/18/2010	**4.9**	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	5/18/2010	**2.0**	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	9/25/2011	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	9/25/2011	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	6/12/2012	< 1.0	< 1.0	< 1.0	**3.1**	< 1.0	< 1.0	< 1.0
	6/12/2012	< 1.0	< 1.0	< 1.0	**4.0**	< 1.0	< 1.0	< 1.0
	7/10/2012	< 1.0	< 1.0	< 1.0	**1.2**	< 1.0	< 1.0	< 1.0
	7/23/2013	< 1.0	< 1.0	< 1.0	**1.2**	< 1.0	< 1.0	< 1.0
	4/22/2014	< 0.25	< 0.25	< 0.25	**1.4**	< 0.25	< 0.25	< 0.25
	4/13/2015	< 0.25	< 0.25	< 0.25	**1.5**	< 0.25	< 0.25	< 0.25
	4/21/2016	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	3/28/2017	**1.2**	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25
	4/19/2018	**1.3**	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25
	4/16/2019	**2.3**	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25

Table 4
Summary of Analytical Results for PCBs
Thoreau Compressor Station No. 5
Transwestern Pipeline Company, LLC
McKinley County, New Mexico

Well ID	Date	PCB Concentrations by Aroclor (µg/L)						
		1016	1221	1232	1242	1248	1254	1260
EPA NPDWR Standard		0.5						
5-17B	5/12/2000	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
	11/17/2000	< 0.5	< 1.0	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
	5/23/2001	--	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
	11/17/2001	--	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
	4/19/2002	< 0.5	< 1.0	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
	10/31/2002	< 1.0	< 5.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	5/22/2003	< 1.0	< 5.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	11/11/2003	< 1.0	< 5.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	6/8/2004	< 1.0	< 5.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	6/8/2005	< 1.0	< 5.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	7/10/2006	< 1.0	< 5.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	7/25/2007	< 1.0	< 5.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	9/23/2008	< 1.0	< 5.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	8/4/2009	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
5-59	7/28/2001	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
	11/19/2001	--	< 0.5	< 0.5	**30.7**	< 0.5	< 0.5	< 0.5
	4/20/2002	< 10.0	**78.6**	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0
	10/30/2002	--	**19**	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	10/30/2002	--	**19**	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	5/21/2003	--	**14**	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	5/21/2003	--	**14**	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	11/11/2003	**11**	< 5.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	11/11/2003	**9.7**	< 5.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	6/8/2004	**10**	< 5.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	6/8/2004	**11**	< 5.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	6/9/2005	**4.6**	< 5.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	6/9/2005	**3.3**	< 5.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	7/11/2006	**3.4**	< 5.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	7/11/2006	**3.3**	< 5.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	7/25/2007	**1.8**	< 5.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	9/23/2008	< 1.0	< 5.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	8/4/2009	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	5/18/2010	**1.3**	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	9/25/2011	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	6/12/2012	< 1.0	< 1.0	< 1.0	**2.6**	< 1.0	< 1.0	< 1.0
	7/10/2012	< 1.0	< 1.0	< 1.0	**1.0**	< 1.0	< 1.0	< 1.0
	7/23/2013	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	4/22/2014	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25
	4/13/2015	< 0.25	< 0.25	< 0.25	**0.6**	< 0.25	< 0.25	< 0.25
	4/21/2016	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	3/28/2017	**7.8**	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25
	4/20/2018	**0.83**	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25
	4/16/2019	**4.0**	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25
	10/3/2019	**2.6**	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25

Table 4
Summary of Analytical Results for PCBs
Thoreau Compressor Station No. 5
Transwestern Pipeline Company, LLC
McKinley County, New Mexico

Well ID	Date	PCB Concentrations by Aroclor (µg/L)						
		1016	1221	1232	1242	1248	1254	1260
EPA NPDWR Standard		**0.5**						
5-60	11/18/2001	--	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
	4/20/2002	< 0.5	< 1.0	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
	10/31/2002	< 1.0	< 5.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	5/22/2003	< 1.0	< 5.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	11/11/2003	< 1.0	< 5.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	6/8/2004	< 1.0	< 5.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	6/9/2005	< 1.0	< 5.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	7/11/2006	< 1.0	< 5.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	7/25/2007	< 1.0	< 5.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	9/23/2008	< 1.0	< 5.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	8/4/2009	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	10/3/2019	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25

Notes:
PCB = polychlorinated biphenols
EPA NPDWR = Environmental Protection Agency National Primary Drinking Water Standard
-- = not analyzed
Bold = exceeds NPDWR standard

Table 5
Summary of Analytical Results for ISCO Monitoring
Thoreau Compressor Station No. 5
Transwestern Pipeline Company, LLC
McKinley County, New Mexico

Well ID	Sample Date	Benzene (ug/L)	Toluene (ug/L)	Ethylbenzene (ug/L)	Total Xylenes (ug/L)	Sulfate (mg/L)	Dissolved Iron (mg/L)	Total Iron (mg/L)	Dissolved Manganese (mg/L)
EPA NPDWR Standard		**5**	**1000**	**700**	**10000**	**250***	**0.3***	**NE**	**0.5**
SVE-3	4/21/2016	**4200**	< 10	220	830	< 2.5	**3.2**	40	--
	3/28/2017	**4300**	< 20	160	2900	< 0.50	**0.43**	--	--
	6/20/2017	**5700**	< 20	270	4600	0.67	**4.1**	19	--
	9/22/2017	**3400**	< 8.0	120	2200	< 2.5	**3.6**	13	--
	4/19/2018	**3700**	< 20	140	390	31	< 0.020	--	**0.97**
	4/17/2019	**3500**	< 20	160	210	**2400**	**4.2**	54	**0.95**
	10/4/2019	**3100**	< 20	210	250	**6400**	0.079	2.4	**0.7**
5-35B	4/21/2016	**2100**	< 100	90	**780**	7.3	**8.5**	36	--
	3/28/2017	**1800**	< 50	< 50	490	3.4	**2.1**	--	--
	6/20/2017	**1300**	< 20	28	250	5.2	**3.2**	22	--
	9/22/2017	**1300**	8.7	25	250	2.9	**8.2**	28	--
	4/19/2018	**1800**	< 20	36	300	27	**1.2**	--	**0.70**
	4/16/2019	**2400**	< 10	54	410	< 2.5	**7**	7.7	**0.63**
	10/3/2019	**2500**	< 10	59	470	< 2.5	**4.4**	11	**0.53**
AS-4	4/20/2018	<5.0	<5.0	<5.0	<7.5	**23000**	**0.32**	--	**3.0**
	4/16/2019	8.4	1.6	<1.0	5.4	**34000**	**2.2**	92	**2.1**
	10/3/2019	23	5.4	1.2	9.4	**12000**	**0.46**	18	**0.25**
AS-10	4/20/2018	**120**	53	<5.0	35	**34000**	0.19	--	< 0.010
	4/17/2019	**380**	320	33	290	**18000**	< 0.020	5.9	< 0.0020
	10/4/2019	**200**	170	13	52	**11000**	0.94	33	0.032
AS-15	4/20/2018	**<10**	< 10	< 10	< 15	**20000**	1	--	**40**
	4/17/2019	**39**	< 5	< 5	<1 0	**29000**	16	65.0	**8.1**
	10/4/2019	**5.7**	< 1.0	< 1.0	< 1.0	**3500**	<0.020	1.3	0.0022

Notes:
EPA NPDWR = Environmental Protection Agency National Primary Drinking Water Standard
ug/L = micrograms per liter
mg/L = milligrams per liter
< 2.5 = Below Laboratory Detection Limit of 2.5 mg/L
* = Indicates a EPA Secondary Drinking Water Standard
BOLD = Concentrations that exceed the groundwater quality standard

Appendices

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

September 12, 2019

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

RE: Laguna OrderNo.: 1904342

Dear Christine Mathews:

Hall Environmental Analysis Laboratory received 27 sample(s) on 4/4/2019 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 #NM0901

Sincerely,

Andy Freeman
Laboratory Manager
4901 Hawkins NE
Albuquerque, NM 87109

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD **Lab Order:** 1904342
Project: Laguna

Lab ID: 1904342-001 **Collection Date:** 4/4/2019 9:25:00 AM
Client Sample ID: GW-086241-040419-CM-6-16 **Matrix:** AQUEOUS

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch ID
EPA METHOD 8082A: PCB'S						Analyst: **TOM**	
Aroclor 1016	ND	0.25		µg/L	1	4/17/2019 10:12:18 AM	44287
Aroclor 1221	ND	0.25		µg/L	1	4/17/2019 10:12:18 AM	44287
Aroclor 1232	ND	0.25		µg/L	1	4/17/2019 10:12:18 AM	44287
Aroclor 1242	ND	0.25		µg/L	1	4/17/2019 10:12:18 AM	44287
Aroclor 1248	ND	0.25		µg/L	1	4/17/2019 10:12:18 AM	44287
Aroclor 1254	ND	0.25		µg/L	1	4/17/2019 10:12:18 AM	44287
Aroclor 1260	ND	0.25		µg/L	1	4/17/2019 10:12:18 AM	44287
Surr: Decachlorobiphenyl	76.0	24.8-102		%Rec	1	4/17/2019 10:12:18 AM	44287
Surr: Tetrachloro-m-xylene	82.4	15.6-106		%Rec	1	4/17/2019 10:12:18 AM	44287
EPA METHOD 8260B: VOLATILES						Analyst: **RAA**	
Benzene	ND	1.0		µg/L	1	4/10/2019 7:04:00 PM	R59035
Toluene	ND	1.0		µg/L	1	4/10/2019 7:04:00 PM	R59035
Ethylbenzene	ND	1.0		µg/L	1	4/10/2019 7:04:00 PM	R59035
Methyl tert-butyl ether (MTBE)	ND	1.0		µg/L	1	4/10/2019 7:04:00 PM	R59035
1,2,4-Trimethylbenzene	ND	1.0		µg/L	1	4/10/2019 7:04:00 PM	R59035
1,3,5-Trimethylbenzene	ND	1.0		µg/L	1	4/10/2019 7:04:00 PM	R59035
1,2-Dichloroethane (EDC)	ND	1.0		µg/L	1	4/10/2019 7:04:00 PM	R59035
1,2-Dibromoethane (EDB)	ND	1.0		µg/L	1	4/10/2019 7:04:00 PM	R59035
Naphthalene	ND	2.0		µg/L	1	4/10/2019 7:04:00 PM	R59035
1-Methylnaphthalene	ND	4.0		µg/L	1	4/10/2019 7:04:00 PM	R59035
2-Methylnaphthalene	ND	4.0		µg/L	1	4/10/2019 7:04:00 PM	R59035
Acetone	ND	10		µg/L	1	4/10/2019 7:04:00 PM	R59035
Bromobenzene	ND	1.0		µg/L	1	4/10/2019 7:04:00 PM	R59035
Bromodichloromethane	ND	1.0		µg/L	1	4/10/2019 7:04:00 PM	R59035
Bromoform	ND	1.0		µg/L	1	4/10/2019 7:04:00 PM	R59035
Bromomethane	ND	3.0		µg/L	1	4/10/2019 7:04:00 PM	R59035
2-Butanone	ND	10		µg/L	1	4/10/2019 7:04:00 PM	R59035
Carbon disulfide	ND	10		µg/L	1	4/10/2019 7:04:00 PM	R59035
Carbon Tetrachloride	ND	1.0		µg/L	1	4/10/2019 7:04:00 PM	R59035
Chlorobenzene	ND	1.0		µg/L	1	4/10/2019 7:04:00 PM	R59035
Chloroethane	ND	2.0		µg/L	1	4/10/2019 7:04:00 PM	R59035
Chloroform	ND	1.0		µg/L	1	4/10/2019 7:04:00 PM	R59035
Chloromethane	ND	3.0		µg/L	1	4/10/2019 7:04:00 PM	R59035
2-Chlorotoluene	ND	1.0		µg/L	1	4/10/2019 7:04:00 PM	R59035
4-Chlorotoluene	ND	1.0		µg/L	1	4/10/2019 7:04:00 PM	R59035
cis-1,2-DCE	ND	1.0		µg/L	1	4/10/2019 7:04:00 PM	R59035
cis-1,3-Dichloropropene	ND	1.0		µg/L	1	4/10/2019 7:04:00 PM	R59035
1,2-Dibromo-3-chloropropane	ND	2.0		µg/L	1	4/10/2019 7:04:00 PM	R59035

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 Limit
S	% Recovery outside of range due to dilution or matrix		

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD **Lab Order:** 1904342
Project: Laguna

EPA METHOD 8260B: VOLATILES Analyst: **RAA**

Dibromochloromethane	ND	1.0	µg/L	1	4/10/2019 7:04:00 PM	R59035
Dibromomethane	ND	1.0	µg/L	1	4/10/2019 7:04:00 PM	R59035
1,2-Dichlorobenzene	ND	1.0	µg/L	1	4/10/2019 7:04:00 PM	R59035
1,3-Dichlorobenzene	ND	1.0	µg/L	1	4/10/2019 7:04:00 PM	R59035
1,4-Dichlorobenzene	ND	1.0	µg/L	1	4/10/2019 7:04:00 PM	R59035
Dichlorodifluoromethane	ND	1.0	µg/L	1	4/10/2019 7:04:00 PM	R59035
1,1-Dichloroethane	4.2	1.0	µg/L	1	4/10/2019 7:04:00 PM	R59035
1,1-Dichloroethene	ND	1.0	µg/L	1	4/10/2019 7:04:00 PM	R59035
1,2-Dichloropropane	ND	1.0	µg/L	1	4/10/2019 7:04:00 PM	R59035
1,3-Dichloropropane	ND	1.0	µg/L	1	4/10/2019 7:04:00 PM	R59035
2,2-Dichloropropane	ND	2.0	µg/L	1	4/10/2019 7:04:00 PM	R59035
1,1-Dichloropropene	ND	1.0	µg/L	1	4/10/2019 7:04:00 PM	R59035
Hexachlorobutadiene	ND	1.0	µg/L	1	4/10/2019 7:04:00 PM	R59035
2-Hexanone	ND	10	µg/L	1	4/10/2019 7:04:00 PM	R59035
Isopropylbenzene	ND	1.0	µg/L	1	4/10/2019 7:04:00 PM	R59035
4-Isopropyltoluene	ND	1.0	µg/L	1	4/10/2019 7:04:00 PM	R59035
4-Methyl-2-pentanone	ND	10	µg/L	1	4/10/2019 7:04:00 PM	R59035
Methylene Chloride	ND	3.0	µg/L	1	4/10/2019 7:04:00 PM	R59035
n-Butylbenzene	ND	3.0	µg/L	1	4/10/2019 7:04:00 PM	R59035
n-Propylbenzene	ND	1.0	µg/L	1	4/10/2019 7:04:00 PM	R59035
sec-Butylbenzene	ND	1.0	µg/L	1	4/10/2019 7:04:00 PM	R59035
Styrene	ND	1.0	µg/L	1	4/10/2019 7:04:00 PM	R59035
tert-Butylbenzene	ND	1.0	µg/L	1	4/10/2019 7:04:00 PM	R59035
1,1,1,2-Tetrachloroethane	ND	1.0	µg/L	1	4/10/2019 7:04:00 PM	R59035
1,1,2,2-Tetrachloroethane	ND	2.0	µg/L	1	4/10/2019 7:04:00 PM	R59035
Tetrachloroethene (PCE)	ND	1.0	µg/L	1	4/10/2019 7:04:00 PM	R59035
trans-1,2-DCE	ND	1.0	µg/L	1	4/10/2019 7:04:00 PM	R59035
trans-1,3-Dichloropropene	ND	1.0	µg/L	1	4/10/2019 7:04:00 PM	R59035
1,2,3-Trichlorobenzene	ND	1.0	µg/L	1	4/10/2019 7:04:00 PM	R59035
1,2,4-Trichlorobenzene	ND	1.0	µg/L	1	4/10/2019 7:04:00 PM	R59035
1,1,1-Trichloroethane	ND	1.0	µg/L	1	4/10/2019 7:04:00 PM	R59035
1,1,2-Trichloroethane	ND	1.0	µg/L	1	4/10/2019 7:04:00 PM	R59035
Trichloroethene (TCE)	ND	1.0	µg/L	1	4/10/2019 7:04:00 PM	R59035
Trichlorofluoromethane	ND	1.0	µg/L	1	4/10/2019 7:04:00 PM	R59035
1,2,3-Trichloropropane	ND	2.0	µg/L	1	4/10/2019 7:04:00 PM	R59035
Vinyl chloride	ND	1.0	µg/L	1	4/10/2019 7:04:00 PM	R59035
Xylenes, Total	ND	1.5	µg/L	1	4/10/2019 7:04:00 PM	R59035
Surr: 1,2-Dichloroethane-d4	102	70-130	%Rec	1	4/10/2019 7:04:00 PM	R59035
Surr: 4-Bromofluorobenzene	97.4	70-130	%Rec	1	4/10/2019 7:04:00 PM	R59035
Surr: Dibromofluoromethane	99.2	70-130	%Rec	1	4/10/2019 7:04:00 PM	R59035
Surr: Toluene-d8	91.9	70-130	%Rec	1	4/10/2019 7:04:00 PM	R59035

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 Limit
S	% Recovery outside of range due to dilution or matrix		

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD **Lab Order:** 1904342
Project: Laguna

Lab ID: 1904342-002 **Collection Date:** 4/4/2019 9:35:00 AM
Client Sample ID: GW-086241-040419-CM-6-45 **Matrix:** AQUEOUS

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch ID
EPA METHOD 8260B: VOLATILES						Analyst: **RAA**	
Benzene	ND	1.0		µg/L	1	4/10/2019 7:28:00 PM	R59035
Toluene	ND	1.0		µg/L	1	4/10/2019 7:28:00 PM	R59035
Ethylbenzene	ND	1.0		µg/L	1	4/10/2019 7:28:00 PM	R59035
Methyl tert-butyl ether (MTBE)	ND	1.0		µg/L	1	4/10/2019 7:28:00 PM	R59035
1,2,4-Trimethylbenzene	ND	1.0		µg/L	1	4/10/2019 7:28:00 PM	R59035
1,3,5-Trimethylbenzene	ND	1.0		µg/L	1	4/10/2019 7:28:00 PM	R59035
1,2-Dichloroethane (EDC)	ND	1.0		µg/L	1	4/10/2019 7:28:00 PM	R59035
1,2-Dibromoethane (EDB)	ND	1.0		µg/L	1	4/10/2019 7:28:00 PM	R59035
Naphthalene	ND	2.0		µg/L	1	4/10/2019 7:28:00 PM	R59035
1-Methylnaphthalene	ND	4.0		µg/L	1	4/10/2019 7:28:00 PM	R59035
2-Methylnaphthalene	ND	4.0		µg/L	1	4/10/2019 7:28:00 PM	R59035
Acetone	ND	10		µg/L	1	4/10/2019 7:28:00 PM	R59035
Bromobenzene	ND	1.0		µg/L	1	4/10/2019 7:28:00 PM	R59035
Bromodichloromethane	ND	1.0		µg/L	1	4/10/2019 7:28:00 PM	R59035
Bromoform	ND	1.0		µg/L	1	4/10/2019 7:28:00 PM	R59035
Bromomethane	ND	3.0		µg/L	1	4/10/2019 7:28:00 PM	R59035
2-Butanone	ND	10		µg/L	1	4/10/2019 7:28:00 PM	R59035
Carbon disulfide	ND	10		µg/L	1	4/10/2019 7:28:00 PM	R59035
Carbon Tetrachloride	ND	1.0		µg/L	1	4/10/2019 7:28:00 PM	R59035
Chlorobenzene	ND	1.0		µg/L	1	4/10/2019 7:28:00 PM	R59035
Chloroethane	ND	2.0		µg/L	1	4/10/2019 7:28:00 PM	R59035
Chloroform	ND	1.0		µg/L	1	4/10/2019 7:28:00 PM	R59035
Chloromethane	ND	3.0		µg/L	1	4/10/2019 7:28:00 PM	R59035
2-Chlorotoluene	ND	1.0		µg/L	1	4/10/2019 7:28:00 PM	R59035
4-Chlorotoluene	ND	1.0		µg/L	1	4/10/2019 7:28:00 PM	R59035
cis-1,2-DCE	ND	1.0		µg/L	1	4/10/2019 7:28:00 PM	R59035
cis-1,3-Dichloropropene	ND	1.0		µg/L	1	4/10/2019 7:28:00 PM	R59035
1,2-Dibromo-3-chloropropane	ND	2.0		µg/L	1	4/10/2019 7:28:00 PM	R59035
Dibromochloromethane	ND	1.0		µg/L	1	4/10/2019 7:28:00 PM	R59035
Dibromomethane	ND	1.0		µg/L	1	4/10/2019 7:28:00 PM	R59035
1,2-Dichlorobenzene	ND	1.0		µg/L	1	4/10/2019 7:28:00 PM	R59035
1,3-Dichlorobenzene	ND	1.0		µg/L	1	4/10/2019 7:28:00 PM	R59035
1,4-Dichlorobenzene	ND	1.0		µg/L	1	4/10/2019 7:28:00 PM	R59035
Dichlorodifluoromethane	ND	1.0		µg/L	1	4/10/2019 7:28:00 PM	R59035
1,1-Dichloroethane	22	1.0		µg/L	1	4/10/2019 7:28:00 PM	R59035
1,1-Dichloroethene	110	10		µg/L	10	4/11/2019 12:11:00 PM	R59071
1,2-Dichloropropane	ND	1.0		µg/L	1	4/10/2019 7:28:00 PM	R59035
1,3-Dichloropropane	ND	1.0		µg/L	1	4/10/2019 7:28:00 PM	R59035

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 Limit
S	% Recovery outside of range due to dilution or matrix		

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD **Lab Order:** 1904342
Project: Laguna

EPA METHOD 8260B: VOLATILES Analyst: **RAA**

2,2-Dichloropropane	ND	2.0	µg/L	1	4/10/2019 7:28:00 PM	R59035
1,1-Dichloropropene	ND	1.0	µg/L	1	4/10/2019 7:28:00 PM	R59035
Hexachlorobutadiene	ND	1.0	µg/L	1	4/10/2019 7:28:00 PM	R59035
2-Hexanone	ND	10	µg/L	1	4/10/2019 7:28:00 PM	R59035
Isopropylbenzene	ND	1.0	µg/L	1	4/10/2019 7:28:00 PM	R59035
4-Isopropyltoluene	ND	1.0	µg/L	1	4/10/2019 7:28:00 PM	R59035
4-Methyl-2-pentanone	ND	10	µg/L	1	4/10/2019 7:28:00 PM	R59035
Methylene Chloride	ND	3.0	µg/L	1	4/10/2019 7:28:00 PM	R59035
n-Butylbenzene	ND	3.0	µg/L	1	4/10/2019 7:28:00 PM	R59035
n-Propylbenzene	ND	1.0	µg/L	1	4/10/2019 7:28:00 PM	R59035
sec-Butylbenzene	ND	1.0	µg/L	1	4/10/2019 7:28:00 PM	R59035
Styrene	ND	1.0	µg/L	1	4/10/2019 7:28:00 PM	R59035
tert-Butylbenzene	ND	1.0	µg/L	1	4/10/2019 7:28:00 PM	R59035
1,1,1,2-Tetrachloroethane	ND	1.0	µg/L	1	4/10/2019 7:28:00 PM	R59035
1,1,2,2-Tetrachloroethane	ND	2.0	µg/L	1	4/10/2019 7:28:00 PM	R59035
Tetrachloroethene (PCE)	ND	1.0	µg/L	1	4/10/2019 7:28:00 PM	R59035
trans-1,2-DCE	ND	1.0	µg/L	1	4/10/2019 7:28:00 PM	R59035
trans-1,3-Dichloropropene	ND	1.0	µg/L	1	4/10/2019 7:28:00 PM	R59035
1,2,3-Trichlorobenzene	ND	1.0	µg/L	1	4/10/2019 7:28:00 PM	R59035
1,2,4-Trichlorobenzene	ND	1.0	µg/L	1	4/10/2019 7:28:00 PM	R59035
1,1,1-Trichloroethane	3.4	1.0	µg/L	1	4/10/2019 7:28:00 PM	R59035
1,1,2-Trichloroethane	ND	1.0	µg/L	1	4/10/2019 7:28:00 PM	R59035
Trichloroethene (TCE)	ND	1.0	µg/L	1	4/10/2019 7:28:00 PM	R59035
Trichlorofluoromethane	ND	1.0	µg/L	1	4/10/2019 7:28:00 PM	R59035
1,2,3-Trichloropropane	ND	2.0	µg/L	1	4/10/2019 7:28:00 PM	R59035
Vinyl chloride	ND	1.0	µg/L	1	4/10/2019 7:28:00 PM	R59035
Xylenes, Total	ND	1.5	µg/L	1	4/10/2019 7:28:00 PM	R59035
Surr: 1,2-Dichloroethane-d4	103	70-130	%Rec	1	4/10/2019 7:28:00 PM	R59035
Surr: 4-Bromofluorobenzene	98.1	70-130	%Rec	1	4/10/2019 7:28:00 PM	R59035
Surr: Dibromofluoromethane	100	70-130	%Rec	1	4/10/2019 7:28:00 PM	R59035
Surr: Toluene-d8	94.0	70-130	%Rec	1	4/10/2019 7:28:00 PM	R59035

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

Qualifiers:

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

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD **Lab Order:** 1904342
Project: Laguna

Lab ID: 1904342-003 **Collection Date:** 4/4/2019 9:45:00 AM
Client Sample ID: GW-086241-040419-CM-6-46 **Matrix:** AQUEOUS

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch ID
EPA METHOD 8260B: VOLATILES						Analyst: **RAA**	
Benzene	ND	1.0		µg/L	1	4/10/2019 7:52:00 PM	R59035
Toluene	ND	1.0		µg/L	1	4/10/2019 7:52:00 PM	R59035
Ethylbenzene	ND	1.0		µg/L	1	4/10/2019 7:52:00 PM	R59035
Methyl tert-butyl ether (MTBE)	ND	1.0		µg/L	1	4/10/2019 7:52:00 PM	R59035
1,2,4-Trimethylbenzene	ND	1.0		µg/L	1	4/10/2019 7:52:00 PM	R59035
1,3,5-Trimethylbenzene	ND	1.0		µg/L	1	4/10/2019 7:52:00 PM	R59035
1,2-Dichloroethane (EDC)	ND	1.0		µg/L	1	4/10/2019 7:52:00 PM	R59035
1,2-Dibromoethane (EDB)	ND	1.0		µg/L	1	4/10/2019 7:52:00 PM	R59035
Naphthalene	ND	2.0		µg/L	1	4/10/2019 7:52:00 PM	R59035
1-Methylnaphthalene	ND	4.0		µg/L	1	4/10/2019 7:52:00 PM	R59035
2-Methylnaphthalene	ND	4.0		µg/L	1	4/10/2019 7:52:00 PM	R59035
Acetone	ND	10		µg/L	1	4/10/2019 7:52:00 PM	R59035
Bromobenzene	ND	1.0		µg/L	1	4/10/2019 7:52:00 PM	R59035
Bromodichloromethane	ND	1.0		µg/L	1	4/10/2019 7:52:00 PM	R59035
Bromoform	ND	1.0		µg/L	1	4/10/2019 7:52:00 PM	R59035
Bromomethane	ND	3.0		µg/L	1	4/10/2019 7:52:00 PM	R59035
2-Butanone	ND	10		µg/L	1	4/10/2019 7:52:00 PM	R59035
Carbon disulfide	ND	10		µg/L	1	4/10/2019 7:52:00 PM	R59035
Carbon Tetrachloride	ND	1.0		µg/L	1	4/10/2019 7:52:00 PM	R59035
Chlorobenzene	ND	1.0		µg/L	1	4/10/2019 7:52:00 PM	R59035
Chloroethane	ND	2.0		µg/L	1	4/10/2019 7:52:00 PM	R59035
Chloroform	ND	1.0		µg/L	1	4/10/2019 7:52:00 PM	R59035
Chloromethane	ND	3.0		µg/L	1	4/10/2019 7:52:00 PM	R59035
2-Chlorotoluene	ND	1.0		µg/L	1	4/10/2019 7:52:00 PM	R59035
4-Chlorotoluene	ND	1.0		µg/L	1	4/10/2019 7:52:00 PM	R59035
cis-1,2-DCE	ND	1.0		µg/L	1	4/10/2019 7:52:00 PM	R59035
cis-1,3-Dichloropropene	ND	1.0		µg/L	1	4/10/2019 7:52:00 PM	R59035
1,2-Dibromo-3-chloropropane	ND	2.0		µg/L	1	4/10/2019 7:52:00 PM	R59035
Dibromochloromethane	ND	1.0		µg/L	1	4/10/2019 7:52:00 PM	R59035
Dibromomethane	ND	1.0		µg/L	1	4/10/2019 7:52:00 PM	R59035
1,2-Dichlorobenzene	ND	1.0		µg/L	1	4/10/2019 7:52:00 PM	R59035
1,3-Dichlorobenzene	ND	1.0		µg/L	1	4/10/2019 7:52:00 PM	R59035
1,4-Dichlorobenzene	ND	1.0		µg/L	1	4/10/2019 7:52:00 PM	R59035
Dichlorodifluoromethane	ND	1.0		µg/L	1	4/10/2019 7:52:00 PM	R59035
1,1-Dichloroethane	100	10		µg/L	10	4/11/2019 12:35:00 PM	R59071
1,1-Dichloroethene	18	1.0		µg/L	1	4/10/2019 7:52:00 PM	R59035
1,2-Dichloropropane	ND	1.0		µg/L	1	4/10/2019 7:52:00 PM	R59035
1,3-Dichloropropane	ND	1.0		µg/L	1	4/10/2019 7:52:00 PM	R59035

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

Qualifiers:

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

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD **Lab Order:** 1904342
Project: Laguna

EPA METHOD 8260B: VOLATILES

Analyst: **RAA**

2,2-Dichloropropane	ND	2.0	µg/L	1	4/10/2019 7:52:00 PM	R59035
1,1-Dichloropropene	ND	1.0	µg/L	1	4/10/2019 7:52:00 PM	R59035
Hexachlorobutadiene	ND	1.0	µg/L	1	4/10/2019 7:52:00 PM	R59035
2-Hexanone	ND	10	µg/L	1	4/10/2019 7:52:00 PM	R59035
Isopropylbenzene	ND	1.0	µg/L	1	4/10/2019 7:52:00 PM	R59035
4-Isopropyltoluene	ND	1.0	µg/L	1	4/10/2019 7:52:00 PM	R59035
4-Methyl-2-pentanone	ND	10	µg/L	1	4/10/2019 7:52:00 PM	R59035
Methylene Chloride	ND	3.0	µg/L	1	4/10/2019 7:52:00 PM	R59035
n-Butylbenzene	ND	3.0	µg/L	1	4/10/2019 7:52:00 PM	R59035
n-Propylbenzene	ND	1.0	µg/L	1	4/10/2019 7:52:00 PM	R59035
sec-Butylbenzene	ND	1.0	µg/L	1	4/10/2019 7:52:00 PM	R59035
Styrene	ND	1.0	µg/L	1	4/10/2019 7:52:00 PM	R59035
tert-Butylbenzene	ND	1.0	µg/L	1	4/10/2019 7:52:00 PM	R59035
1,1,1,2-Tetrachloroethane	ND	1.0	µg/L	1	4/10/2019 7:52:00 PM	R59035
1,1,2,2-Tetrachloroethane	ND	2.0	µg/L	1	4/10/2019 7:52:00 PM	R59035
Tetrachloroethene (PCE)	ND	1.0	µg/L	1	4/10/2019 7:52:00 PM	R59035
trans-1,2-DCE	ND	1.0	µg/L	1	4/10/2019 7:52:00 PM	R59035
trans-1,3-Dichloropropene	ND	1.0	µg/L	1	4/10/2019 7:52:00 PM	R59035
1,2,3-Trichlorobenzene	ND	1.0	µg/L	1	4/10/2019 7:52:00 PM	R59035
1,2,4-Trichlorobenzene	ND	1.0	µg/L	1	4/10/2019 7:52:00 PM	R59035
1,1,1-Trichloroethane	ND	1.0	µg/L	1	4/10/2019 7:52:00 PM	R59035
1,1,2-Trichloroethane	ND	1.0	µg/L	1	4/10/2019 7:52:00 PM	R59035
Trichloroethene (TCE)	ND	1.0	µg/L	1	4/10/2019 7:52:00 PM	R59035
Trichlorofluoromethane	ND	1.0	µg/L	1	4/10/2019 7:52:00 PM	R59035
1,2,3-Trichloropropane	ND	2.0	µg/L	1	4/10/2019 7:52:00 PM	R59035
Vinyl chloride	ND	1.0	µg/L	1	4/10/2019 7:52:00 PM	R59035
Xylenes, Total	ND	1.5	µg/L	1	4/10/2019 7:52:00 PM	R59035
Surr: 1,2-Dichloroethane-d4	100	70-130	%Rec	1	4/10/2019 7:52:00 PM	R59035
Surr: 4-Bromofluorobenzene	96.1	70-130	%Rec	1	4/10/2019 7:52:00 PM	R59035
Surr: Dibromofluoromethane	98.8	70-130	%Rec	1	4/10/2019 7:52:00 PM	R59035
Surr: Toluene-d8	93.0	70-130	%Rec	1	4/10/2019 7:52:00 PM	R59035

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

Qualifiers:

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

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD **Lab Order:** 1904342
Project: Laguna

Lab ID: 1904342-004 **Collection Date:** 4/4/2019 9:55:00 AM
Client Sample ID: GW-086241-040419-CM-6-47 **Matrix:** AQUEOUS

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch ID
EPA METHOD 8260B: VOLATILES						Analyst: **RAA**	
Benzene	ND	1.0		µg/L	1	4/10/2019 8:16:00 PM	R59035
Toluene	ND	1.0		µg/L	1	4/10/2019 8:16:00 PM	R59035
Ethylbenzene	ND	1.0		µg/L	1	4/10/2019 8:16:00 PM	R59035
Methyl tert-butyl ether (MTBE)	ND	1.0		µg/L	1	4/10/2019 8:16:00 PM	R59035
1,2,4-Trimethylbenzene	ND	1.0		µg/L	1	4/10/2019 8:16:00 PM	R59035
1,3,5-Trimethylbenzene	ND	1.0		µg/L	1	4/10/2019 8:16:00 PM	R59035
1,2-Dichloroethane (EDC)	2.9	1.0		µg/L	1	4/10/2019 8:16:00 PM	R59035
1,2-Dibromoethane (EDB)	ND	1.0		µg/L	1	4/10/2019 8:16:00 PM	R59035
Naphthalene	ND	2.0		µg/L	1	4/10/2019 8:16:00 PM	R59035
1-Methylnaphthalene	ND	4.0		µg/L	1	4/10/2019 8:16:00 PM	R59035
2-Methylnaphthalene	ND	4.0		µg/L	1	4/10/2019 8:16:00 PM	R59035
Acetone	ND	10		µg/L	1	4/10/2019 8:16:00 PM	R59035
Bromobenzene	ND	1.0		µg/L	1	4/10/2019 8:16:00 PM	R59035
Bromodichloromethane	ND	1.0		µg/L	1	4/10/2019 8:16:00 PM	R59035
Bromoform	ND	1.0		µg/L	1	4/10/2019 8:16:00 PM	R59035
Bromomethane	ND	3.0		µg/L	1	4/10/2019 8:16:00 PM	R59035
2-Butanone	ND	10		µg/L	1	4/10/2019 8:16:00 PM	R59035
Carbon disulfide	ND	10		µg/L	1	4/10/2019 8:16:00 PM	R59035
Carbon Tetrachloride	ND	1.0		µg/L	1	4/10/2019 8:16:00 PM	R59035
Chlorobenzene	ND	1.0		µg/L	1	4/10/2019 8:16:00 PM	R59035
Chloroethane	ND	2.0		µg/L	1	4/10/2019 8:16:00 PM	R59035
Chloroform	ND	1.0		µg/L	1	4/10/2019 8:16:00 PM	R59035
Chloromethane	ND	3.0		µg/L	1	4/10/2019 8:16:00 PM	R59035
2-Chlorotoluene	ND	1.0		µg/L	1	4/10/2019 8:16:00 PM	R59035
4-Chlorotoluene	ND	1.0		µg/L	1	4/10/2019 8:16:00 PM	R59035
cis-1,2-DCE	2.9	1.0		µg/L	1	4/10/2019 8:16:00 PM	R59035
cis-1,3-Dichloropropene	ND	1.0		µg/L	1	4/10/2019 8:16:00 PM	R59035
1,2-Dibromo-3-chloropropane	ND	2.0		µg/L	1	4/10/2019 8:16:00 PM	R59035
Dibromochloromethane	ND	1.0		µg/L	1	4/10/2019 8:16:00 PM	R59035
Dibromomethane	ND	1.0		µg/L	1	4/10/2019 8:16:00 PM	R59035
1,2-Dichlorobenzene	ND	1.0		µg/L	1	4/10/2019 8:16:00 PM	R59035
1,3-Dichlorobenzene	ND	1.0		µg/L	1	4/10/2019 8:16:00 PM	R59035
1,4-Dichlorobenzene	ND	1.0		µg/L	1	4/10/2019 8:16:00 PM	R59035
Dichlorodifluoromethane	ND	1.0		µg/L	1	4/10/2019 8:16:00 PM	R59035
1,1-Dichloroethane	220	10		µg/L	10	4/11/2019 12:59:00 PM	R59071
1,1-Dichloroethene	40	1.0		µg/L	1	4/10/2019 8:16:00 PM	R59035
1,2-Dichloropropane	ND	1.0		µg/L	1	4/10/2019 8:16:00 PM	R59035
1,3-Dichloropropane	ND	1.0		µg/L	1	4/10/2019 8:16:00 PM	R59035

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 Limit
S	% Recovery outside of range due to dilution or matrix		

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD **Lab Order:** 1904342
Project: Laguna

EPA METHOD 8260B: VOLATILES

Analyst: **RAA**

2,2-Dichloropropane	ND	2.0	µg/L	1	4/10/2019 8:16:00 PM	R59035
1,1-Dichloropropene	ND	1.0	µg/L	1	4/10/2019 8:16:00 PM	R59035
Hexachlorobutadiene	ND	1.0	µg/L	1	4/10/2019 8:16:00 PM	R59035
2-Hexanone	ND	10	µg/L	1	4/10/2019 8:16:00 PM	R59035
Isopropylbenzene	ND	1.0	µg/L	1	4/10/2019 8:16:00 PM	R59035
4-Isopropyltoluene	ND	1.0	µg/L	1	4/10/2019 8:16:00 PM	R59035
4-Methyl-2-pentanone	ND	10	µg/L	1	4/10/2019 8:16:00 PM	R59035
Methylene Chloride	ND	3.0	µg/L	1	4/10/2019 8:16:00 PM	R59035
n-Butylbenzene	ND	3.0	µg/L	1	4/10/2019 8:16:00 PM	R59035
n-Propylbenzene	ND	1.0	µg/L	1	4/10/2019 8:16:00 PM	R59035
sec-Butylbenzene	ND	1.0	µg/L	1	4/10/2019 8:16:00 PM	R59035
Styrene	ND	1.0	µg/L	1	4/10/2019 8:16:00 PM	R59035
tert-Butylbenzene	ND	1.0	µg/L	1	4/10/2019 8:16:00 PM	R59035
1,1,1,2-Tetrachloroethane	ND	1.0	µg/L	1	4/10/2019 8:16:00 PM	R59035
1,1,2,2-Tetrachloroethane	ND	2.0	µg/L	1	4/10/2019 8:16:00 PM	R59035
Tetrachloroethene (PCE)	ND	1.0	µg/L	1	4/10/2019 8:16:00 PM	R59035
trans-1,2-DCE	ND	1.0	µg/L	1	4/10/2019 8:16:00 PM	R59035
trans-1,3-Dichloropropene	ND	1.0	µg/L	1	4/10/2019 8:16:00 PM	R59035
1,2,3-Trichlorobenzene	ND	1.0	µg/L	1	4/10/2019 8:16:00 PM	R59035
1,2,4-Trichlorobenzene	ND	1.0	µg/L	1	4/10/2019 8:16:00 PM	R59035
1,1,1-Trichloroethane	ND	1.0	µg/L	1	4/10/2019 8:16:00 PM	R59035
1,1,2-Trichloroethane	ND	1.0	µg/L	1	4/10/2019 8:16:00 PM	R59035
Trichloroethene (TCE)	1.1	1.0	µg/L	1	4/10/2019 8:16:00 PM	R59035
Trichlorofluoromethane	ND	1.0	µg/L	1	4/10/2019 8:16:00 PM	R59035
1,2,3-Trichloropropane	ND	2.0	µg/L	1	4/10/2019 8:16:00 PM	R59035
Vinyl chloride	ND	1.0	µg/L	1	4/10/2019 8:16:00 PM	R59035
Xylenes, Total	ND	1.5	µg/L	1	4/10/2019 8:16:00 PM	R59035
Surr: 1,2-Dichloroethane-d4	98.8	70-130	%Rec	1	4/10/2019 8:16:00 PM	R59035
Surr: 4-Bromofluorobenzene	97.0	70-130	%Rec	1	4/10/2019 8:16:00 PM	R59035
Surr: Dibromofluoromethane	99.1	70-130	%Rec	1	4/10/2019 8:16:00 PM	R59035
Surr: Toluene-d8	94.4	70-130	%Rec	1	4/10/2019 8:16:00 PM	R59035

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 Limit
S	% Recovery outside of range due to dilution or matrix		

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD **Lab Order:** 1904342
Project: Laguna

Lab ID: 1904342-005 **Collection Date:** 4/4/2019 10:00:00 AM
Client Sample ID: GW-086241-040419-CM-6-19 **Matrix:** AQUEOUS

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch ID
EPA METHOD 8260B: VOLATILES						Analyst: **RAA**	
Benzene	ND	1.0		µg/L	1	4/10/2019 8:40:00 PM	R59035
Toluene	ND	1.0		µg/L	1	4/10/2019 8:40:00 PM	R59035
Ethylbenzene	ND	1.0		µg/L	1	4/10/2019 8:40:00 PM	R59035
Methyl tert-butyl ether (MTBE)	ND	1.0		µg/L	1	4/10/2019 8:40:00 PM	R59035
1,2,4-Trimethylbenzene	ND	1.0		µg/L	1	4/10/2019 8:40:00 PM	R59035
1,3,5-Trimethylbenzene	ND	1.0		µg/L	1	4/10/2019 8:40:00 PM	R59035
1,2-Dichloroethane (EDC)	ND	1.0		µg/L	1	4/10/2019 8:40:00 PM	R59035
1,2-Dibromoethane (EDB)	ND	1.0		µg/L	1	4/10/2019 8:40:00 PM	R59035
Naphthalene	ND	2.0		µg/L	1	4/10/2019 8:40:00 PM	R59035
1-Methylnaphthalene	ND	4.0		µg/L	1	4/10/2019 8:40:00 PM	R59035
2-Methylnaphthalene	ND	4.0		µg/L	1	4/10/2019 8:40:00 PM	R59035
Acetone	ND	10		µg/L	1	4/10/2019 8:40:00 PM	R59035
Bromobenzene	ND	1.0		µg/L	1	4/10/2019 8:40:00 PM	R59035
Bromodichloromethane	1.5	1.0		µg/L	1	4/10/2019 8:40:00 PM	R59035
Bromoform	ND	1.0		µg/L	1	4/10/2019 8:40:00 PM	R59035
Bromomethane	ND	3.0		µg/L	1	4/10/2019 8:40:00 PM	R59035
2-Butanone	ND	10		µg/L	1	4/10/2019 8:40:00 PM	R59035
Carbon disulfide	ND	10		µg/L	1	4/10/2019 8:40:00 PM	R59035
Carbon Tetrachloride	40	1.0		µg/L	1	4/10/2019 8:40:00 PM	R59035
Chlorobenzene	ND	1.0		µg/L	1	4/10/2019 8:40:00 PM	R59035
Chloroethane	ND	2.0		µg/L	1	4/10/2019 8:40:00 PM	R59035
Chloroform	120	10		µg/L	10	4/11/2019 1:24:00 PM	R59071
Chloromethane	ND	3.0		µg/L	1	4/10/2019 8:40:00 PM	R59035
2-Chlorotoluene	ND	1.0		µg/L	1	4/10/2019 8:40:00 PM	R59035
4-Chlorotoluene	ND	1.0		µg/L	1	4/10/2019 8:40:00 PM	R59035
cis-1,2-DCE	ND	1.0		µg/L	1	4/10/2019 8:40:00 PM	R59035
cis-1,3-Dichloropropene	ND	1.0		µg/L	1	4/10/2019 8:40:00 PM	R59035
1,2-Dibromo-3-chloropropane	ND	2.0		µg/L	1	4/10/2019 8:40:00 PM	R59035
Dibromochloromethane	ND	1.0		µg/L	1	4/10/2019 8:40:00 PM	R59035
Dibromomethane	ND	1.0		µg/L	1	4/10/2019 8:40:00 PM	R59035
1,2-Dichlorobenzene	ND	1.0		µg/L	1	4/10/2019 8:40:00 PM	R59035
1,3-Dichlorobenzene	ND	1.0		µg/L	1	4/10/2019 8:40:00 PM	R59035
1,4-Dichlorobenzene	ND	1.0		µg/L	1	4/10/2019 8:40:00 PM	R59035
Dichlorodifluoromethane	ND	1.0		µg/L	1	4/10/2019 8:40:00 PM	R59035
1,1-Dichloroethane	ND	1.0		µg/L	1	4/10/2019 8:40:00 PM	R59035
1,1-Dichloroethene	2.9	1.0		µg/L	1	4/10/2019 8:40:00 PM	R59035
1,2-Dichloropropane	ND	1.0		µg/L	1	4/10/2019 8:40:00 PM	R59035
1,3-Dichloropropane	ND	1.0		µg/L	1	4/10/2019 8:40:00 PM	R59035

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 Limit
S	% Recovery outside of range due to dilution or matrix		

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD **Lab Order:** 1904342
Project: Laguna

EPA METHOD 8260B: VOLATILES

Analyst: **RAA**

2,2-Dichloropropane	ND	2.0	µg/L	1	4/10/2019 8:40:00 PM	R59035
1,1-Dichloropropene	ND	1.0	µg/L	1	4/10/2019 8:40:00 PM	R59035
Hexachlorobutadiene	ND	1.0	µg/L	1	4/10/2019 8:40:00 PM	R59035
2-Hexanone	ND	10	µg/L	1	4/10/2019 8:40:00 PM	R59035
Isopropylbenzene	ND	1.0	µg/L	1	4/10/2019 8:40:00 PM	R59035
4-Isopropyltoluene	ND	1.0	µg/L	1	4/10/2019 8:40:00 PM	R59035
4-Methyl-2-pentanone	ND	10	µg/L	1	4/10/2019 8:40:00 PM	R59035
Methylene Chloride	ND	3.0	µg/L	1	4/10/2019 8:40:00 PM	R59035
n-Butylbenzene	ND	3.0	µg/L	1	4/10/2019 8:40:00 PM	R59035
n-Propylbenzene	ND	1.0	µg/L	1	4/10/2019 8:40:00 PM	R59035
sec-Butylbenzene	ND	1.0	µg/L	1	4/10/2019 8:40:00 PM	R59035
Styrene	ND	1.0	µg/L	1	4/10/2019 8:40:00 PM	R59035
tert-Butylbenzene	ND	1.0	µg/L	1	4/10/2019 8:40:00 PM	R59035
1,1,1,2-Tetrachloroethane	ND	1.0	µg/L	1	4/10/2019 8:40:00 PM	R59035
1,1,2,2-Tetrachloroethane	ND	2.0	µg/L	1	4/10/2019 8:40:00 PM	R59035
Tetrachloroethene (PCE)	6.3	1.0	µg/L	1	4/10/2019 8:40:00 PM	R59035
trans-1,2-DCE	ND	1.0	µg/L	1	4/10/2019 8:40:00 PM	R59035
trans-1,3-Dichloropropene	ND	1.0	µg/L	1	4/10/2019 8:40:00 PM	R59035
1,2,3-Trichlorobenzene	ND	1.0	µg/L	1	4/10/2019 8:40:00 PM	R59035
1,2,4-Trichlorobenzene	ND	1.0	µg/L	1	4/10/2019 8:40:00 PM	R59035
1,1,1-Trichloroethane	ND	1.0	µg/L	1	4/10/2019 8:40:00 PM	R59035
1,1,2-Trichloroethane	ND	1.0	µg/L	1	4/10/2019 8:40:00 PM	R59035
Trichloroethene (TCE)	ND	1.0	µg/L	1	4/10/2019 8:40:00 PM	R59035
Trichlorofluoromethane	ND	1.0	µg/L	1	4/10/2019 8:40:00 PM	R59035
1,2,3-Trichloropropane	ND	2.0	µg/L	1	4/10/2019 8:40:00 PM	R59035
Vinyl chloride	ND	1.0	µg/L	1	4/10/2019 8:40:00 PM	R59035
Xylenes, Total	ND	1.5	µg/L	1	4/10/2019 8:40:00 PM	R59035
Surr: 1,2-Dichloroethane-d4	102	70-130	%Rec	1	4/10/2019 8:40:00 PM	R59035
Surr: 4-Bromofluorobenzene	96.8	70-130	%Rec	1	4/10/2019 8:40:00 PM	R59035
Surr: Dibromofluoromethane	103	70-130	%Rec	1	4/10/2019 8:40:00 PM	R59035
Surr: Toluene-d8	93.8	70-130	%Rec	1	4/10/2019 8:40:00 PM	R59035

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 Limit
S	% Recovery outside of range due to dilution or matrix		

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD **Lab Order:** 1904342
Project: Laguna

Lab ID: 1904342-006 **Collection Date:** 4/4/2019 10:05:00 AM
Client Sample ID: GW-086241-040419-CM-6-36 **Matrix:** AQUEOUS

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch ID
EPA METHOD 8260B: VOLATILES						Analyst: **RAA**	
Benzene	ND	1.0		µg/L	1	4/10/2019 9:04:00 PM	R59035
Toluene	ND	1.0		µg/L	1	4/10/2019 9:04:00 PM	R59035
Ethylbenzene	ND	1.0		µg/L	1	4/10/2019 9:04:00 PM	R59035
Methyl tert-butyl ether (MTBE)	ND	1.0		µg/L	1	4/10/2019 9:04:00 PM	R59035
1,2,4-Trimethylbenzene	ND	1.0		µg/L	1	4/10/2019 9:04:00 PM	R59035
1,3,5-Trimethylbenzene	ND	1.0		µg/L	1	4/10/2019 9:04:00 PM	R59035
1,2-Dichloroethane (EDC)	5.5	1.0		µg/L	1	4/10/2019 9:04:00 PM	R59035
1,2-Dibromoethane (EDB)	ND	1.0		µg/L	1	4/10/2019 9:04:00 PM	R59035
Naphthalene	ND	2.0		µg/L	1	4/10/2019 9:04:00 PM	R59035
1-Methylnaphthalene	ND	4.0		µg/L	1	4/10/2019 9:04:00 PM	R59035
2-Methylnaphthalene	ND	4.0		µg/L	1	4/10/2019 9:04:00 PM	R59035
Acetone	ND	10		µg/L	1	4/10/2019 9:04:00 PM	R59035
Bromobenzene	ND	1.0		µg/L	1	4/10/2019 9:04:00 PM	R59035
Bromodichloromethane	ND	1.0		µg/L	1	4/10/2019 9:04:00 PM	R59035
Bromoform	ND	1.0		µg/L	1	4/10/2019 9:04:00 PM	R59035
Bromomethane	ND	3.0		µg/L	1	4/10/2019 9:04:00 PM	R59035
2-Butanone	ND	10		µg/L	1	4/10/2019 9:04:00 PM	R59035
Carbon disulfide	ND	10		µg/L	1	4/10/2019 9:04:00 PM	R59035
Carbon Tetrachloride	ND	1.0		µg/L	1	4/10/2019 9:04:00 PM	R59035
Chlorobenzene	ND	1.0		µg/L	1	4/10/2019 9:04:00 PM	R59035
Chloroethane	ND	2.0		µg/L	1	4/10/2019 9:04:00 PM	R59035
Chloroform	ND	1.0		µg/L	1	4/10/2019 9:04:00 PM	R59035
Chloromethane	ND	3.0		µg/L	1	4/10/2019 9:04:00 PM	R59035
2-Chlorotoluene	ND	1.0		µg/L	1	4/10/2019 9:04:00 PM	R59035
4-Chlorotoluene	ND	1.0		µg/L	1	4/10/2019 9:04:00 PM	R59035
cis-1,2-DCE	ND	1.0		µg/L	1	4/10/2019 9:04:00 PM	R59035
cis-1,3-Dichloropropene	ND	1.0		µg/L	1	4/10/2019 9:04:00 PM	R59035
1,2-Dibromo-3-chloropropane	ND	2.0		µg/L	1	4/10/2019 9:04:00 PM	R59035
Dibromochloromethane	ND	1.0		µg/L	1	4/10/2019 9:04:00 PM	R59035
Dibromomethane	ND	1.0		µg/L	1	4/10/2019 9:04:00 PM	R59035
1,2-Dichlorobenzene	ND	1.0		µg/L	1	4/10/2019 9:04:00 PM	R59035
1,3-Dichlorobenzene	ND	1.0		µg/L	1	4/10/2019 9:04:00 PM	R59035
1,4-Dichlorobenzene	ND	1.0		µg/L	1	4/10/2019 9:04:00 PM	R59035
Dichlorodifluoromethane	ND	1.0		µg/L	1	4/10/2019 9:04:00 PM	R59035
1,1-Dichloroethane	12	1.0		µg/L	1	4/10/2019 9:04:00 PM	R59035
1,1-Dichloroethene	33	1.0		µg/L	1	4/10/2019 9:04:00 PM	R59035
1,2-Dichloropropane	ND	1.0		µg/L	1	4/10/2019 9:04:00 PM	R59035
1,3-Dichloropropane	ND	1.0		µg/L	1	4/10/2019 9:04:00 PM	R59035

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 Limit
S	% Recovery outside of range due to dilution or matrix		

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD **Lab Order:** 1904342
Project: Laguna

EPA METHOD 8260B: VOLATILES

Analyst: **RAA**

2,2-Dichloropropane	ND	2.0	µg/L	1	4/10/2019 9:04:00 PM	R59035
1,1-Dichloropropene	ND	1.0	µg/L	1	4/10/2019 9:04:00 PM	R59035
Hexachlorobutadiene	ND	1.0	µg/L	1	4/10/2019 9:04:00 PM	R59035
2-Hexanone	ND	10	µg/L	1	4/10/2019 9:04:00 PM	R59035
Isopropylbenzene	ND	1.0	µg/L	1	4/10/2019 9:04:00 PM	R59035
4-Isopropyltoluene	ND	1.0	µg/L	1	4/10/2019 9:04:00 PM	R59035
4-Methyl-2-pentanone	ND	10	µg/L	1	4/10/2019 9:04:00 PM	R59035
Methylene Chloride	ND	3.0	µg/L	1	4/10/2019 9:04:00 PM	R59035
n-Butylbenzene	ND	3.0	µg/L	1	4/10/2019 9:04:00 PM	R59035
n-Propylbenzene	ND	1.0	µg/L	1	4/10/2019 9:04:00 PM	R59035
sec-Butylbenzene	ND	1.0	µg/L	1	4/10/2019 9:04:00 PM	R59035
Styrene	ND	1.0	µg/L	1	4/10/2019 9:04:00 PM	R59035
tert-Butylbenzene	ND	1.0	µg/L	1	4/10/2019 9:04:00 PM	R59035
1,1,1,2-Tetrachloroethane	ND	1.0	µg/L	1	4/10/2019 9:04:00 PM	R59035
1,1,2,2-Tetrachloroethane	ND	2.0	µg/L	1	4/10/2019 9:04:00 PM	R59035
Tetrachloroethene (PCE)	ND	1.0	µg/L	1	4/10/2019 9:04:00 PM	R59035
trans-1,2-DCE	ND	1.0	µg/L	1	4/10/2019 9:04:00 PM	R59035
trans-1,3-Dichloropropene	ND	1.0	µg/L	1	4/10/2019 9:04:00 PM	R59035
1,2,3-Trichlorobenzene	ND	1.0	µg/L	1	4/10/2019 9:04:00 PM	R59035
1,2,4-Trichlorobenzene	ND	1.0	µg/L	1	4/10/2019 9:04:00 PM	R59035
1,1,1-Trichloroethane	3.7	1.0	µg/L	1	4/10/2019 9:04:00 PM	R59035
1,1,2-Trichloroethane	ND	1.0	µg/L	1	4/10/2019 9:04:00 PM	R59035
Trichloroethene (TCE)	ND	1.0	µg/L	1	4/10/2019 9:04:00 PM	R59035
Trichlorofluoromethane	ND	1.0	µg/L	1	4/10/2019 9:04:00 PM	R59035
1,2,3-Trichloropropane	ND	2.0	µg/L	1	4/10/2019 9:04:00 PM	R59035
Vinyl chloride	ND	1.0	µg/L	1	4/10/2019 9:04:00 PM	R59035
Xylenes, Total	ND	1.5	µg/L	1	4/10/2019 9:04:00 PM	R59035
Surr: 1,2-Dichloroethane-d4	103	70-130	%Rec	1	4/10/2019 9:04:00 PM	R59035
Surr: 4-Bromofluorobenzene	97.4	70-130	%Rec	1	4/10/2019 9:04:00 PM	R59035
Surr: Dibromofluoromethane	100	70-130	%Rec	1	4/10/2019 9:04:00 PM	R59035
Surr: Toluene-d8	92.7	70-130	%Rec	1	4/10/2019 9:04:00 PM	R59035

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

Qualifiers:

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

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD **Lab Order:** 1904342
Project: Laguna

Lab ID: 1904342-007 **Collection Date:** 4/4/2019 10:15:00 AM
Client Sample ID: GW-086241-040419-CM-6-44 **Matrix:** AQUEOUS

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch ID
EPA METHOD 8260B: VOLATILES						Analyst: **RAA**	
Benzene	ND	1.0		µg/L	1	4/10/2019 9:28:00 PM	R59035
Toluene	ND	1.0		µg/L	1	4/10/2019 9:28:00 PM	R59035
Ethylbenzene	ND	1.0		µg/L	1	4/10/2019 9:28:00 PM	R59035
Methyl tert-butyl ether (MTBE)	ND	1.0		µg/L	1	4/10/2019 9:28:00 PM	R59035
1,2,4-Trimethylbenzene	ND	1.0		µg/L	1	4/10/2019 9:28:00 PM	R59035
1,3,5-Trimethylbenzene	ND	1.0		µg/L	1	4/10/2019 9:28:00 PM	R59035
1,2-Dichloroethane (EDC)	10	1.0		µg/L	1	4/10/2019 9:28:00 PM	R59035
1,2-Dibromoethane (EDB)	ND	1.0		µg/L	1	4/10/2019 9:28:00 PM	R59035
Naphthalene	ND	2.0		µg/L	1	4/10/2019 9:28:00 PM	R59035
1-Methylnaphthalene	ND	4.0		µg/L	1	4/10/2019 9:28:00 PM	R59035
2-Methylnaphthalene	ND	4.0		µg/L	1	4/10/2019 9:28:00 PM	R59035
Acetone	ND	10		µg/L	1	4/10/2019 9:28:00 PM	R59035
Bromobenzene	ND	1.0		µg/L	1	4/10/2019 9:28:00 PM	R59035
Bromodichloromethane	ND	1.0		µg/L	1	4/10/2019 9:28:00 PM	R59035
Bromoform	ND	1.0		µg/L	1	4/10/2019 9:28:00 PM	R59035
Bromomethane	ND	3.0		µg/L	1	4/10/2019 9:28:00 PM	R59035
2-Butanone	ND	10		µg/L	1	4/10/2019 9:28:00 PM	R59035
Carbon disulfide	ND	10		µg/L	1	4/10/2019 9:28:00 PM	R59035
Carbon Tetrachloride	ND	1.0		µg/L	1	4/10/2019 9:28:00 PM	R59035
Chlorobenzene	ND	1.0		µg/L	1	4/10/2019 9:28:00 PM	R59035
Chloroethane	ND	2.0		µg/L	1	4/10/2019 9:28:00 PM	R59035
Chloroform	ND	1.0		µg/L	1	4/10/2019 9:28:00 PM	R59035
Chloromethane	ND	3.0		µg/L	1	4/10/2019 9:28:00 PM	R59035
2-Chlorotoluene	ND	1.0		µg/L	1	4/10/2019 9:28:00 PM	R59035
4-Chlorotoluene	ND	1.0		µg/L	1	4/10/2019 9:28:00 PM	R59035
cis-1,2-DCE	ND	1.0		µg/L	1	4/10/2019 9:28:00 PM	R59035
cis-1,3-Dichloropropene	ND	1.0		µg/L	1	4/10/2019 9:28:00 PM	R59035
1,2-Dibromo-3-chloropropane	ND	2.0		µg/L	1	4/10/2019 9:28:00 PM	R59035
Dibromochloromethane	ND	1.0		µg/L	1	4/10/2019 9:28:00 PM	R59035
Dibromomethane	ND	1.0		µg/L	1	4/10/2019 9:28:00 PM	R59035
1,2-Dichlorobenzene	ND	1.0		µg/L	1	4/10/2019 9:28:00 PM	R59035
1,3-Dichlorobenzene	ND	1.0		µg/L	1	4/10/2019 9:28:00 PM	R59035
1,4-Dichlorobenzene	ND	1.0		µg/L	1	4/10/2019 9:28:00 PM	R59035
Dichlorodifluoromethane	ND	1.0		µg/L	1	4/10/2019 9:28:00 PM	R59035
1,1-Dichloroethane	18	1.0		µg/L	1	4/10/2019 9:28:00 PM	R59035
1,1-Dichloroethene	190	10		µg/L	10	4/11/2019 1:48:00 PM	R59071
1,2-Dichloropropane	ND	1.0		µg/L	1	4/10/2019 9:28:00 PM	R59035
1,3-Dichloropropane	ND	1.0		µg/L	1	4/10/2019 9:28:00 PM	R59035

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 Limit
S	% Recovery outside of range due to dilution or matrix		

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD **Lab Order:** 1904342
Project: Laguna

EPA METHOD 8260B: VOLATILES

Analyst: **RAA**

2,2-Dichloropropane	ND	2.0	µg/L	1	4/10/2019 9:28:00 PM	R59035
1,1-Dichloropropene	ND	1.0	µg/L	1	4/10/2019 9:28:00 PM	R59035
Hexachlorobutadiene	ND	1.0	µg/L	1	4/10/2019 9:28:00 PM	R59035
2-Hexanone	ND	10	µg/L	1	4/10/2019 9:28:00 PM	R59035
Isopropylbenzene	ND	1.0	µg/L	1	4/10/2019 9:28:00 PM	R59035
4-Isopropyltoluene	ND	1.0	µg/L	1	4/10/2019 9:28:00 PM	R59035
4-Methyl-2-pentanone	ND	10	µg/L	1	4/10/2019 9:28:00 PM	R59035
Methylene Chloride	ND	3.0	µg/L	1	4/10/2019 9:28:00 PM	R59035
n-Butylbenzene	ND	3.0	µg/L	1	4/10/2019 9:28:00 PM	R59035
n-Propylbenzene	ND	1.0	µg/L	1	4/10/2019 9:28:00 PM	R59035
sec-Butylbenzene	ND	1.0	µg/L	1	4/10/2019 9:28:00 PM	R59035
Styrene	ND	1.0	µg/L	1	4/10/2019 9:28:00 PM	R59035
tert-Butylbenzene	ND	1.0	µg/L	1	4/10/2019 9:28:00 PM	R59035
1,1,1,2-Tetrachloroethane	ND	1.0	µg/L	1	4/10/2019 9:28:00 PM	R59035
1,1,2,2-Tetrachloroethane	ND	2.0	µg/L	1	4/10/2019 9:28:00 PM	R59035
Tetrachloroethene (PCE)	ND	1.0	µg/L	1	4/10/2019 9:28:00 PM	R59035
trans-1,2-DCE	ND	1.0	µg/L	1	4/10/2019 9:28:00 PM	R59035
trans-1,3-Dichloropropene	ND	1.0	µg/L	1	4/10/2019 9:28:00 PM	R59035
1,2,3-Trichlorobenzene	ND	1.0	µg/L	1	4/10/2019 9:28:00 PM	R59035
1,2,4-Trichlorobenzene	ND	1.0	µg/L	1	4/10/2019 9:28:00 PM	R59035
1,1,1-Trichloroethane	16	1.0	µg/L	1	4/10/2019 9:28:00 PM	R59035
1,1,2-Trichloroethane	ND	1.0	µg/L	1	4/10/2019 9:28:00 PM	R59035
Trichloroethene (TCE)	ND	1.0	µg/L	1	4/10/2019 9:28:00 PM	R59035
Trichlorofluoromethane	ND	1.0	µg/L	1	4/10/2019 9:28:00 PM	R59035
1,2,3-Trichloropropane	ND	2.0	µg/L	1	4/10/2019 9:28:00 PM	R59035
Vinyl chloride	ND	1.0	µg/L	1	4/10/2019 9:28:00 PM	R59035
Xylenes, Total	ND	1.5	µg/L	1	4/10/2019 9:28:00 PM	R59035
Surr: 1,2-Dichloroethane-d4	102	70-130	%Rec	1	4/10/2019 9:28:00 PM	R59035
Surr: 4-Bromofluorobenzene	97.5	70-130	%Rec	1	4/10/2019 9:28:00 PM	R59035
Surr: Dibromofluoromethane	99.4	70-130	%Rec	1	4/10/2019 9:28:00 PM	R59035
Surr: Toluene-d8	95.6	70-130	%Rec	1	4/10/2019 9:28:00 PM	R59035

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

Qualifiers:

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

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD **Lab Order:** 1904342
Project: Laguna

Lab ID: 1904342-008 **Collection Date:** 4/4/2019 10:20:00 AM
Client Sample ID: GW-086241-040419-CM-6-07 **Matrix:** AQUEOUS

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch ID
EPA METHOD 8260B: VOLATILES						Analyst: **RAA**	
Benzene	ND	1.0		µg/L	1	4/11/2019 2:12:00 PM	R59071
Toluene	ND	1.0		µg/L	1	4/11/2019 2:12:00 PM	R59071
Ethylbenzene	ND	1.0		µg/L	1	4/11/2019 2:12:00 PM	R59071
Methyl tert-butyl ether (MTBE)	ND	1.0		µg/L	1	4/11/2019 2:12:00 PM	R59071
1,2,4-Trimethylbenzene	ND	1.0		µg/L	1	4/11/2019 2:12:00 PM	R59071
1,3,5-Trimethylbenzene	ND	1.0		µg/L	1	4/11/2019 2:12:00 PM	R59071
1,2-Dichloroethane (EDC)	ND	1.0		µg/L	1	4/11/2019 2:12:00 PM	R59071
1,2-Dibromoethane (EDB)	ND	1.0		µg/L	1	4/11/2019 2:12:00 PM	R59071
Naphthalene	ND	2.0		µg/L	1	4/11/2019 2:12:00 PM	R59071
1-Methylnaphthalene	ND	4.0		µg/L	1	4/11/2019 2:12:00 PM	R59071
2-Methylnaphthalene	ND	4.0		µg/L	1	4/11/2019 2:12:00 PM	R59071
Acetone	ND	10		µg/L	1	4/11/2019 2:12:00 PM	R59071
Bromobenzene	ND	1.0		µg/L	1	4/11/2019 2:12:00 PM	R59071
Bromodichloromethane	ND	1.0		µg/L	1	4/11/2019 2:12:00 PM	R59071
Bromoform	ND	1.0		µg/L	1	4/11/2019 2:12:00 PM	R59071
Bromomethane	ND	3.0		µg/L	1	4/11/2019 2:12:00 PM	R59071
2-Butanone	ND	10		µg/L	1	4/11/2019 2:12:00 PM	R59071
Carbon disulfide	ND	10		µg/L	1	4/11/2019 2:12:00 PM	R59071
Carbon Tetrachloride	ND	1.0		µg/L	1	4/11/2019 2:12:00 PM	R59071
Chlorobenzene	ND	1.0		µg/L	1	4/11/2019 2:12:00 PM	R59071
Chloroethane	ND	2.0		µg/L	1	4/11/2019 2:12:00 PM	R59071
Chloroform	ND	1.0		µg/L	1	4/11/2019 2:12:00 PM	R59071
Chloromethane	ND	3.0		µg/L	1	4/11/2019 2:12:00 PM	R59071
2-Chlorotoluene	ND	1.0		µg/L	1	4/11/2019 2:12:00 PM	R59071
4-Chlorotoluene	ND	1.0		µg/L	1	4/11/2019 2:12:00 PM	R59071
cis-1,2-DCE	ND	1.0		µg/L	1	4/11/2019 2:12:00 PM	R59071
cis-1,3-Dichloropropene	ND	1.0		µg/L	1	4/11/2019 2:12:00 PM	R59071
1,2-Dibromo-3-chloropropane	ND	2.0		µg/L	1	4/11/2019 2:12:00 PM	R59071
Dibromochloromethane	ND	1.0		µg/L	1	4/11/2019 2:12:00 PM	R59071
Dibromomethane	ND	1.0		µg/L	1	4/11/2019 2:12:00 PM	R59071
1,2-Dichlorobenzene	ND	1.0		µg/L	1	4/11/2019 2:12:00 PM	R59071
1,3-Dichlorobenzene	ND	1.0		µg/L	1	4/11/2019 2:12:00 PM	R59071
1,4-Dichlorobenzene	ND	1.0		µg/L	1	4/11/2019 2:12:00 PM	R59071
Dichlorodifluoromethane	ND	1.0		µg/L	1	4/11/2019 2:12:00 PM	R59071
1,1-Dichloroethane	ND	1.0		µg/L	1	4/11/2019 2:12:00 PM	R59071
1,1-Dichloroethene	1.0	1.0		µg/L	1	4/11/2019 2:12:00 PM	R59071
1,2-Dichloropropane	ND	1.0		µg/L	1	4/11/2019 2:12:00 PM	R59071
1,3-Dichloropropane	ND	1.0		µg/L	1	4/11/2019 2:12:00 PM	R59071

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 Limit
S	% Recovery outside of range due to dilution or matrix		

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD **Lab Order:** 1904342
Project: Laguna

EPA METHOD 8260B: VOLATILES Analyst: **RAA**

2,2-Dichloropropane	ND	2.0	µg/L	1	4/11/2019 2:12:00 PM	R59071
1,1-Dichloropropene	ND	1.0	µg/L	1	4/11/2019 2:12:00 PM	R59071
Hexachlorobutadiene	ND	1.0	µg/L	1	4/11/2019 2:12:00 PM	R59071
2-Hexanone	ND	10	µg/L	1	4/11/2019 2:12:00 PM	R59071
Isopropylbenzene	ND	1.0	µg/L	1	4/11/2019 2:12:00 PM	R59071
4-Isopropyltoluene	ND	1.0	µg/L	1	4/11/2019 2:12:00 PM	R59071
4-Methyl-2-pentanone	ND	10	µg/L	1	4/11/2019 2:12:00 PM	R59071
Methylene Chloride	ND	3.0	µg/L	1	4/11/2019 2:12:00 PM	R59071
n-Butylbenzene	ND	3.0	µg/L	1	4/11/2019 2:12:00 PM	R59071
n-Propylbenzene	ND	1.0	µg/L	1	4/11/2019 2:12:00 PM	R59071
sec-Butylbenzene	ND	1.0	µg/L	1	4/11/2019 2:12:00 PM	R59071
Styrene	ND	1.0	µg/L	1	4/11/2019 2:12:00 PM	R59071
tert-Butylbenzene	ND	1.0	µg/L	1	4/11/2019 2:12:00 PM	R59071
1,1,1,2-Tetrachloroethane	ND	1.0	µg/L	1	4/11/2019 2:12:00 PM	R59071
1,1,2,2-Tetrachloroethane	ND	2.0	µg/L	1	4/11/2019 2:12:00 PM	R59071
Tetrachloroethene (PCE)	ND	1.0	µg/L	1	4/11/2019 2:12:00 PM	R59071
trans-1,2-DCE	ND	1.0	µg/L	1	4/11/2019 2:12:00 PM	R59071
trans-1,3-Dichloropropene	ND	1.0	µg/L	1	4/11/2019 2:12:00 PM	R59071
1,2,3-Trichlorobenzene	ND	1.0	µg/L	1	4/11/2019 2:12:00 PM	R59071
1,2,4-Trichlorobenzene	ND	1.0	µg/L	1	4/11/2019 2:12:00 PM	R59071
1,1,1-Trichloroethane	ND	1.0	µg/L	1	4/11/2019 2:12:00 PM	R59071
1,1,2-Trichloroethane	ND	1.0	µg/L	1	4/11/2019 2:12:00 PM	R59071
Trichloroethene (TCE)	ND	1.0	µg/L	1	4/11/2019 2:12:00 PM	R59071
Trichlorofluoromethane	ND	1.0	µg/L	1	4/11/2019 2:12:00 PM	R59071
1,2,3-Trichloropropane	ND	2.0	µg/L	1	4/11/2019 2:12:00 PM	R59071
Vinyl chloride	ND	1.0	µg/L	1	4/11/2019 2:12:00 PM	R59071
Xylenes, Total	ND	1.5	µg/L	1	4/11/2019 2:12:00 PM	R59071
Surr: 1,2-Dichloroethane-d4	101	70-130	%Rec	1	4/11/2019 2:12:00 PM	R59071
Surr: 4-Bromofluorobenzene	98.0	70-130	%Rec	1	4/11/2019 2:12:00 PM	R59071
Surr: Dibromofluoromethane	98.7	70-130	%Rec	1	4/11/2019 2:12:00 PM	R59071
Surr: Toluene-d8	93.4	70-130	%Rec	1	4/11/2019 2:12:00 PM	R59071

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 Limit
S	% Recovery outside of range due to dilution or matrix		

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD **Lab Order:** 1904342
Project: Laguna

Lab ID: 1904342-009 **Collection Date:** 4/4/2019 10:30:00 AM
Client Sample ID: GW-086241-040419-CM-6-13 **Matrix:** AQUEOUS

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch ID
EPA METHOD 9060 TOC						Analyst: **DAM**	
Total Organic Carbon	46	1.0		mg/L	1	4/9/2019 6:17:43 PM	R59019
EPA METHOD 300.0: ANIONS						Analyst: **MRA**	
Nitrogen, Nitrate (As N)	ND	0.50		mg/L	5	4/5/2019 3:32:32 PM	R58946
Sulfate	220	10		mg/L	20	4/5/2019 4:09:46 PM	R58946
EPA METHOD 8082A: PCB'S						Analyst: **TOM**	
Aroclor 1016	ND	0.25		µg/L	1	4/17/2019 10:45:19 AM	44287
Aroclor 1221	ND	0.25		µg/L	1	4/17/2019 10:45:19 AM	44287
Aroclor 1232	ND	0.25		µg/L	1	4/17/2019 10:45:19 AM	44287
Aroclor 1242	ND	0.25		µg/L	1	4/17/2019 10:45:19 AM	44287
Aroclor 1248	ND	0.25		µg/L	1	4/17/2019 10:45:19 AM	44287
Aroclor 1254	ND	0.25		µg/L	1	4/17/2019 10:45:19 AM	44287
Aroclor 1260	ND	0.25		µg/L	1	4/17/2019 10:45:19 AM	44287
Surr: Decachlorobiphenyl	84.0	24.8-102		%Rec	1	4/17/2019 10:45:19 AM	44287
Surr: Tetrachloro-m-xylene	97.6	15.6-106		%Rec	1	4/17/2019 10:45:19 AM	44287
EPA METHOD 8260B: VOLATILES						Analyst: **RAA**	
Benzene	2.2	1.0		µg/L	1	4/10/2019 10:16:00 PM	R59035
Toluene	ND	1.0		µg/L	1	4/10/2019 10:16:00 PM	R59035
Ethylbenzene	ND	1.0		µg/L	1	4/10/2019 10:16:00 PM	R59035
Methyl tert-butyl ether (MTBE)	ND	1.0		µg/L	1	4/10/2019 10:16:00 PM	R59035
1,2,4-Trimethylbenzene	ND	1.0		µg/L	1	4/10/2019 10:16:00 PM	R59035
1,3,5-Trimethylbenzene	ND	1.0		µg/L	1	4/10/2019 10:16:00 PM	R59035
1,2-Dichloroethane (EDC)	1.7	1.0		µg/L	1	4/10/2019 10:16:00 PM	R59035
1,2-Dibromoethane (EDB)	ND	1.0		µg/L	1	4/10/2019 10:16:00 PM	R59035
Naphthalene	ND	2.0		µg/L	1	4/10/2019 10:16:00 PM	R59035
1-Methylnaphthalene	ND	4.0		µg/L	1	4/10/2019 10:16:00 PM	R59035
2-Methylnaphthalene	ND	4.0		µg/L	1	4/10/2019 10:16:00 PM	R59035
Acetone	ND	10		µg/L	1	4/10/2019 10:16:00 PM	R59035
Bromobenzene	ND	1.0		µg/L	1	4/10/2019 10:16:00 PM	R59035
Bromodichloromethane	ND	1.0		µg/L	1	4/10/2019 10:16:00 PM	R59035
Bromoform	ND	1.0		µg/L	1	4/10/2019 10:16:00 PM	R59035
Bromomethane	ND	3.0		µg/L	1	4/10/2019 10:16:00 PM	R59035
2-Butanone	ND	10		µg/L	1	4/10/2019 10:16:00 PM	R59035
Carbon disulfide	ND	10		µg/L	1	4/10/2019 10:16:00 PM	R59035
Carbon Tetrachloride	ND	1.0		µg/L	1	4/10/2019 10:16:00 PM	R59035
Chlorobenzene	ND	1.0		µg/L	1	4/10/2019 10:16:00 PM	R59035
Chloroethane	ND	2.0		µg/L	1	4/10/2019 10:16:00 PM	R59035
Chloroform	ND	1.0		µg/L	1	4/10/2019 10:16:00 PM	R59035

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 Limit
S	% Recovery outside of range due to dilution or matrix		

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD **Lab Order:** 1904342
Project: Laguna

EPA METHOD 8260B: VOLATILES

Analyst: **RAA**

Chloromethane	ND	3.0	µg/L	1	4/10/2019 10:16:00 PM	R59035
2-Chlorotoluene	ND	1.0	µg/L	1	4/10/2019 10:16:00 PM	R59035
4-Chlorotoluene	ND	1.0	µg/L	1	4/10/2019 10:16:00 PM	R59035
cis-1,2-DCE	1.3	1.0	µg/L	1	4/10/2019 10:16:00 PM	R59035
cis-1,3-Dichloropropene	ND	1.0	µg/L	1	4/10/2019 10:16:00 PM	R59035
1,2-Dibromo-3-chloropropane	ND	2.0	µg/L	1	4/10/2019 10:16:00 PM	R59035
Dibromochloromethane	ND	1.0	µg/L	1	4/10/2019 10:16:00 PM	R59035
Dibromomethane	ND	1.0	µg/L	1	4/10/2019 10:16:00 PM	R59035
1,2-Dichlorobenzene	ND	1.0	µg/L	1	4/10/2019 10:16:00 PM	R59035
1,3-Dichlorobenzene	ND	1.0	µg/L	1	4/10/2019 10:16:00 PM	R59035
1,4-Dichlorobenzene	ND	1.0	µg/L	1	4/10/2019 10:16:00 PM	R59035
Dichlorodifluoromethane	ND	1.0	µg/L	1	4/10/2019 10:16:00 PM	R59035
1,1-Dichloroethane	13	1.0	µg/L	1	4/10/2019 10:16:00 PM	R59035
1,1-Dichloroethene	11	1.0	µg/L	1	4/10/2019 10:16:00 PM	R59035
1,2-Dichloropropane	ND	1.0	µg/L	1	4/10/2019 10:16:00 PM	R59035
1,3-Dichloropropane	ND	1.0	µg/L	1	4/10/2019 10:16:00 PM	R59035
2,2-Dichloropropane	ND	2.0	µg/L	1	4/10/2019 10:16:00 PM	R59035
1,1-Dichloropropene	ND	1.0	µg/L	1	4/10/2019 10:16:00 PM	R59035
Hexachlorobutadiene	ND	1.0	µg/L	1	4/10/2019 10:16:00 PM	R59035
2-Hexanone	ND	10	µg/L	1	4/10/2019 10:16:00 PM	R59035
Isopropylbenzene	ND	1.0	µg/L	1	4/10/2019 10:16:00 PM	R59035
4-Isopropyltoluene	ND	1.0	µg/L	1	4/10/2019 10:16:00 PM	R59035
4-Methyl-2-pentanone	ND	10	µg/L	1	4/10/2019 10:16:00 PM	R59035
Methylene Chloride	ND	3.0	µg/L	1	4/10/2019 10:16:00 PM	R59035
n-Butylbenzene	ND	3.0	µg/L	1	4/10/2019 10:16:00 PM	R59035
n-Propylbenzene	ND	1.0	µg/L	1	4/10/2019 10:16:00 PM	R59035
sec-Butylbenzene	ND	1.0	µg/L	1	4/10/2019 10:16:00 PM	R59035
Styrene	ND	1.0	µg/L	1	4/10/2019 10:16:00 PM	R59035
tert-Butylbenzene	ND	1.0	µg/L	1	4/10/2019 10:16:00 PM	R59035
1,1,1,2-Tetrachloroethane	ND	1.0	µg/L	1	4/10/2019 10:16:00 PM	R59035
1,1,2,2-Tetrachloroethane	ND	2.0	µg/L	1	4/10/2019 10:16:00 PM	R59035
Tetrachloroethene (PCE)	ND	1.0	µg/L	1	4/10/2019 10:16:00 PM	R59035
trans-1,2-DCE	ND	1.0	µg/L	1	4/10/2019 10:16:00 PM	R59035
trans-1,3-Dichloropropene	ND	1.0	µg/L	1	4/10/2019 10:16:00 PM	R59035
1,2,3-Trichlorobenzene	ND	1.0	µg/L	1	4/10/2019 10:16:00 PM	R59035
1,2,4-Trichlorobenzene	ND	1.0	µg/L	1	4/10/2019 10:16:00 PM	R59035
1,1,1-Trichloroethane	ND	1.0	µg/L	1	4/10/2019 10:16:00 PM	R59035
1,1,2-Trichloroethane	ND	1.0	µg/L	1	4/10/2019 10:16:00 PM	R59035
Trichloroethene (TCE)	ND	1.0	µg/L	1	4/10/2019 10:16:00 PM	R59035
Trichlorofluoromethane	ND	1.0	µg/L	1	4/10/2019 10:16:00 PM	R59035
1,2,3-Trichloropropane	ND	2.0	µg/L	1	4/10/2019 10:16:00 PM	R59035
Vinyl chloride	ND	1.0	µg/L	1	4/10/2019 10:16:00 PM	R59035
Xylenes, Total	1.5	1.5	µg/L	1	4/10/2019 10:16:00 PM	R59035

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 Limit
S	% Recovery outside of range due to dilution or matrix		

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD
Lab Order: 1904342
Project: Laguna

EPA METHOD 8260B: VOLATILES Analyst: **RAA**

Surr: 1,2-Dichloroethane-d4	103	70-130	%Rec	1	4/10/2019 10:16:00 PM	R59035
Surr: 4-Bromofluorobenzene	98.8	70-130	%Rec	1	4/10/2019 10:16:00 PM	R59035
Surr: Dibromofluoromethane	100	70-130	%Rec	1	4/10/2019 10:16:00 PM	R59035
Surr: Toluene-d8	92.6	70-130	%Rec	1	4/10/2019 10:16:00 PM	R59035

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 Limit
S	% Recovery outside of range due to dilution or matrix		

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD **Lab Order:** 1904342
Project: Laguna

Lab ID: 1904342-010 **Collection Date:** 4/4/2019 10:50:00 AM
Client Sample ID: GW-086241-040419-CM-6-09 **Matrix:** AQUEOUS

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch ID
EPA METHOD 9060 TOC						Analyst: **DAM**	
Total Organic Carbon	1700	1.0		mg/L	1	4/9/2019 6:51:51 PM	R59019
EPA METHOD 300.0: ANIONS						Analyst: **MRA**	
Nitrogen, Nitrate (As N)	ND	0.50		mg/L	5	4/5/2019 4:22:10 PM	R58946
Sulfate	ND	2.5		mg/L	5	4/5/2019 4:22:10 PM	R58946
EPA METHOD 8082A: PCB'S						Analyst: **TOM**	
Aroclor 1016	13	0.25		µg/L	1	4/17/2019 11:18:18 AM	44287
Aroclor 1221	ND	0.25		µg/L	1	4/17/2019 11:18:18 AM	44287
Aroclor 1232	ND	0.25		µg/L	1	4/17/2019 11:18:18 AM	44287
Aroclor 1242	ND	0.25		µg/L	1	4/17/2019 11:18:18 AM	44287
Aroclor 1248	ND	0.25		µg/L	1	4/17/2019 11:18:18 AM	44287
Aroclor 1254	ND	0.25		µg/L	1	4/17/2019 11:18:18 AM	44287
Aroclor 1260	ND	0.25		µg/L	1	4/17/2019 11:18:18 AM	44287
Surr: Decachlorobiphenyl	82.8	24.8-102		%Rec	1	4/17/2019 11:18:18 AM	44287
Surr: Tetrachloro-m-xylene	95.2	15.6-106		%Rec	1	4/17/2019 11:18:18 AM	44287
EPA METHOD 8260B: VOLATILES						Analyst: **RAA**	
Benzene	1.8	1.0		µg/L	1	4/10/2019 10:40:00 PM	R59035
Toluene	ND	1.0		µg/L	1	4/10/2019 10:40:00 PM	R59035
Ethylbenzene	ND	1.0		µg/L	1	4/10/2019 10:40:00 PM	R59035
Methyl tert-butyl ether (MTBE)	ND	1.0		µg/L	1	4/10/2019 10:40:00 PM	R59035
1,2,4-Trimethylbenzene	ND	1.0		µg/L	1	4/10/2019 10:40:00 PM	R59035
1,3,5-Trimethylbenzene	ND	1.0		µg/L	1	4/10/2019 10:40:00 PM	R59035
1,2-Dichloroethane (EDC)	ND	1.0		µg/L	1	4/10/2019 10:40:00 PM	R59035
1,2-Dibromoethane (EDB)	ND	1.0		µg/L	1	4/10/2019 10:40:00 PM	R59035
Naphthalene	ND	2.0		µg/L	1	4/10/2019 10:40:00 PM	R59035
1-Methylnaphthalene	ND	4.0		µg/L	1	4/10/2019 10:40:00 PM	R59035
2-Methylnaphthalene	ND	4.0		µg/L	1	4/10/2019 10:40:00 PM	R59035
Acetone	230	100		µg/L	10	4/11/2019 2:36:00 PM	R59071
Bromobenzene	ND	1.0		µg/L	1	4/10/2019 10:40:00 PM	R59035
Bromodichloromethane	ND	1.0		µg/L	1	4/10/2019 10:40:00 PM	R59035
Bromoform	ND	1.0		µg/L	1	4/10/2019 10:40:00 PM	R59035
Bromomethane	ND	3.0		µg/L	1	4/10/2019 10:40:00 PM	R59035
2-Butanone	310	100		µg/L	10	4/11/2019 2:36:00 PM	R59071
Carbon disulfide	ND	10		µg/L	1	4/10/2019 10:40:00 PM	R59035
Carbon Tetrachloride	ND	1.0		µg/L	1	4/10/2019 10:40:00 PM	R59035
Chlorobenzene	ND	1.0		µg/L	1	4/10/2019 10:40:00 PM	R59035
Chloroethane	3.1	2.0		µg/L	1	4/10/2019 10:40:00 PM	R59035
Chloroform	ND	1.0		µg/L	1	4/10/2019 10:40:00 PM	R59035

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 Limit
S	% Recovery outside of range due to dilution or matrix		

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD
Project: Laguna
Lab Order: 1904342

EPA METHOD 8260B: VOLATILES

Analyst: **RAA**

Chloromethane	ND	3.0	µg/L	1	4/10/2019 10:40:00 PM	R59035
2-Chlorotoluene	ND	1.0	µg/L	1	4/10/2019 10:40:00 PM	R59035
4-Chlorotoluene	ND	1.0	µg/L	1	4/10/2019 10:40:00 PM	R59035
cis-1,2-DCE	ND	1.0	µg/L	1	4/10/2019 10:40:00 PM	R59035
cis-1,3-Dichloropropene	ND	1.0	µg/L	1	4/10/2019 10:40:00 PM	R59035
1,2-Dibromo-3-chloropropane	ND	2.0	µg/L	1	4/10/2019 10:40:00 PM	R59035
Dibromochloromethane	ND	1.0	µg/L	1	4/10/2019 10:40:00 PM	R59035
Dibromomethane	ND	1.0	µg/L	1	4/10/2019 10:40:00 PM	R59035
1,2-Dichlorobenzene	ND	1.0	µg/L	1	4/10/2019 10:40:00 PM	R59035
1,3-Dichlorobenzene	ND	1.0	µg/L	1	4/10/2019 10:40:00 PM	R59035
1,4-Dichlorobenzene	ND	1.0	µg/L	1	4/10/2019 10:40:00 PM	R59035
Dichlorodifluoromethane	ND	1.0	µg/L	1	4/10/2019 10:40:00 PM	R59035
1,1-Dichloroethane	17	1.0	µg/L	1	4/10/2019 10:40:00 PM	R59035
1,1-Dichloroethene	6.7	1.0	µg/L	1	4/10/2019 10:40:00 PM	R59035
1,2-Dichloropropane	ND	1.0	µg/L	1	4/10/2019 10:40:00 PM	R59035
1,3-Dichloropropane	ND	1.0	µg/L	1	4/10/2019 10:40:00 PM	R59035
2,2-Dichloropropane	ND	2.0	µg/L	1	4/10/2019 10:40:00 PM	R59035
1,1-Dichloropropene	ND	1.0	µg/L	1	4/10/2019 10:40:00 PM	R59035
Hexachlorobutadiene	ND	1.0	µg/L	1	4/10/2019 10:40:00 PM	R59035
2-Hexanone	73	10	µg/L	1	4/10/2019 10:40:00 PM	R59035
Isopropylbenzene	ND	1.0	µg/L	1	4/10/2019 10:40:00 PM	R59035
4-Isopropyltoluene	ND	1.0	µg/L	1	4/10/2019 10:40:00 PM	R59035
4-Methyl-2-pentanone	ND	10	µg/L	1	4/10/2019 10:40:00 PM	R59035
Methylene Chloride	ND	3.0	µg/L	1	4/10/2019 10:40:00 PM	R59035
n-Butylbenzene	ND	3.0	µg/L	1	4/10/2019 10:40:00 PM	R59035
n-Propylbenzene	ND	1.0	µg/L	1	4/10/2019 10:40:00 PM	R59035
sec-Butylbenzene	ND	1.0	µg/L	1	4/10/2019 10:40:00 PM	R59035
Styrene	ND	1.0	µg/L	1	4/10/2019 10:40:00 PM	R59035
tert-Butylbenzene	ND	1.0	µg/L	1	4/10/2019 10:40:00 PM	R59035
1,1,1,2-Tetrachloroethane	ND	1.0	µg/L	1	4/10/2019 10:40:00 PM	R59035
1,1,2,2-Tetrachloroethane	ND	2.0	µg/L	1	4/10/2019 10:40:00 PM	R59035
Tetrachloroethene (PCE)	ND	1.0	µg/L	1	4/10/2019 10:40:00 PM	R59035
trans-1,2-DCE	ND	1.0	µg/L	1	4/10/2019 10:40:00 PM	R59035
trans-1,3-Dichloropropene	ND	1.0	µg/L	1	4/10/2019 10:40:00 PM	R59035
1,2,3-Trichlorobenzene	ND	1.0	µg/L	1	4/10/2019 10:40:00 PM	R59035
1,2,4-Trichlorobenzene	ND	1.0	µg/L	1	4/10/2019 10:40:00 PM	R59035
1,1,1-Trichloroethane	ND	1.0	µg/L	1	4/10/2019 10:40:00 PM	R59035
1,1,2-Trichloroethane	ND	1.0	µg/L	1	4/10/2019 10:40:00 PM	R59035
Trichloroethene (TCE)	ND	1.0	µg/L	1	4/10/2019 10:40:00 PM	R59035
Trichlorofluoromethane	ND	1.0	µg/L	1	4/10/2019 10:40:00 PM	R59035
1,2,3-Trichloropropane	ND	2.0	µg/L	1	4/10/2019 10:40:00 PM	R59035
Vinyl chloride	ND	1.0	µg/L	1	4/10/2019 10:40:00 PM	R59035
Xylenes, Total	ND	1.5	µg/L	1	4/10/2019 10:40:00 PM	R59035

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

Qualifiers:

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

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD
Lab Order: 1904342
Project: Laguna

EPA METHOD 8260B: VOLATILES Analyst: **RAA**

Surr: 1,2-Dichloroethane-d4	100	70-130	%Rec	1	4/10/2019 10:40:00 PM	R59035
Surr: 4-Bromofluorobenzene	97.3	70-130	%Rec	1	4/10/2019 10:40:00 PM	R59035
Surr: Dibromofluoromethane	97.6	70-130	%Rec	1	4/10/2019 10:40:00 PM	R59035
Surr: Toluene-d8	95.0	70-130	%Rec	1	4/10/2019 10:40:00 PM	R59035

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 Limit
S	% Recovery outside of range due to dilution or matrix		

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD **Lab Order:** 1904342
Project: Laguna

Lab ID: 1904342-011 **Collection Date:** 4/4/2019 11:00:00 AM
Client Sample ID: GW-086241-040419-CM-6-14 **Matrix:** AQUEOUS

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch ID
EPA METHOD 9060 TOC						Analyst: **DAM**	
Total Organic Carbon	17	1.0		mg/L	1	4/9/2019 7:08:59 PM	R59019
EPA METHOD 300.0: ANIONS						Analyst: **MRA**	
Nitrogen, Nitrate (As N)	ND	0.50		mg/L	5	4/5/2019 4:46:59 PM	R58946
Sulfate	380	10	*	mg/L	20	4/5/2019 4:59:24 PM	R58946
EPA METHOD 8082A: PCB'S						Analyst: **TOM**	
Aroclor 1016	30	0.25		µg/L	1	4/17/2019 11:51:19 AM	44287
Aroclor 1221	ND	0.25		µg/L	1	4/17/2019 11:51:19 AM	44287
Aroclor 1232	ND	0.25		µg/L	1	4/17/2019 11:51:19 AM	44287
Aroclor 1242	ND	0.25		µg/L	1	4/17/2019 11:51:19 AM	44287
Aroclor 1248	ND	0.25		µg/L	1	4/17/2019 11:51:19 AM	44287
Aroclor 1254	ND	0.25		µg/L	1	4/17/2019 11:51:19 AM	44287
Aroclor 1260	ND	0.25		µg/L	1	4/17/2019 11:51:19 AM	44287
Surr: Decachlorobiphenyl	67.2	24.8-102		%Rec	1	4/17/2019 11:51:19 AM	44287
Surr: Tetrachloro-m-xylene	75.2	15.6-106		%Rec	1	4/17/2019 11:51:19 AM	44287
EPA METHOD 8260B: VOLATILES						Analyst: **RAA**	
Benzene	1.5	1.0		µg/L	1	4/10/2019 11:04:00 PM	R59035
Toluene	ND	1.0		µg/L	1	4/10/2019 11:04:00 PM	R59035
Ethylbenzene	ND	1.0		µg/L	1	4/10/2019 11:04:00 PM	R59035
Methyl tert-butyl ether (MTBE)	ND	1.0		µg/L	1	4/10/2019 11:04:00 PM	R59035
1,2,4-Trimethylbenzene	1.8	1.0		µg/L	1	4/10/2019 11:04:00 PM	R59035
1,3,5-Trimethylbenzene	ND	1.0		µg/L	1	4/10/2019 11:04:00 PM	R59035
1,2-Dichloroethane (EDC)	ND	1.0		µg/L	1	4/10/2019 11:04:00 PM	R59035
1,2-Dibromoethane (EDB)	ND	1.0		µg/L	1	4/10/2019 11:04:00 PM	R59035
Naphthalene	ND	2.0		µg/L	1	4/10/2019 11:04:00 PM	R59035
1-Methylnaphthalene	ND	4.0		µg/L	1	4/10/2019 11:04:00 PM	R59035
2-Methylnaphthalene	ND	4.0		µg/L	1	4/10/2019 11:04:00 PM	R59035
Acetone	ND	10		µg/L	1	4/10/2019 11:04:00 PM	R59035
Bromobenzene	ND	1.0		µg/L	1	4/10/2019 11:04:00 PM	R59035
Bromodichloromethane	ND	1.0		µg/L	1	4/10/2019 11:04:00 PM	R59035
Bromoform	ND	1.0		µg/L	1	4/10/2019 11:04:00 PM	R59035
Bromomethane	ND	3.0		µg/L	1	4/10/2019 11:04:00 PM	R59035
2-Butanone	ND	10		µg/L	1	4/10/2019 11:04:00 PM	R59035
Carbon disulfide	ND	10		µg/L	1	4/10/2019 11:04:00 PM	R59035
Carbon Tetrachloride	ND	1.0		µg/L	1	4/10/2019 11:04:00 PM	R59035
Chlorobenzene	ND	1.0		µg/L	1	4/10/2019 11:04:00 PM	R59035
Chloroethane	ND	2.0		µg/L	1	4/10/2019 11:04:00 PM	R59035
Chloroform	ND	1.0		µg/L	1	4/10/2019 11:04:00 PM	R59035

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 Limit
S	% Recovery outside of range due to dilution or matrix		

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD
Project: Laguna
Lab Order: 1904342

EPA METHOD 8260B: VOLATILES

Analyst: **RAA**

Chloromethane	ND	3.0	µg/L	1	4/10/2019 11:04:00 PM	R59035
2-Chlorotoluene	ND	1.0	µg/L	1	4/10/2019 11:04:00 PM	R59035
4-Chlorotoluene	ND	1.0	µg/L	1	4/10/2019 11:04:00 PM	R59035
cis-1,2-DCE	ND	1.0	µg/L	1	4/10/2019 11:04:00 PM	R59035
cis-1,3-Dichloropropene	ND	1.0	µg/L	1	4/10/2019 11:04:00 PM	R59035
1,2-Dibromo-3-chloropropane	ND	2.0	µg/L	1	4/10/2019 11:04:00 PM	R59035
Dibromochloromethane	ND	1.0	µg/L	1	4/10/2019 11:04:00 PM	R59035
Dibromomethane	ND	1.0	µg/L	1	4/10/2019 11:04:00 PM	R59035
1,2-Dichlorobenzene	ND	1.0	µg/L	1	4/10/2019 11:04:00 PM	R59035
1,3-Dichlorobenzene	ND	1.0	µg/L	1	4/10/2019 11:04:00 PM	R59035
1,4-Dichlorobenzene	ND	1.0	µg/L	1	4/10/2019 11:04:00 PM	R59035
Dichlorodifluoromethane	ND	1.0	µg/L	1	4/10/2019 11:04:00 PM	R59035
1,1-Dichloroethane	56	1.0	µg/L	1	4/10/2019 11:04:00 PM	R59035
1,1-Dichloroethene	21	1.0	µg/L	1	4/10/2019 11:04:00 PM	R59035
1,2-Dichloropropane	ND	1.0	µg/L	1	4/10/2019 11:04:00 PM	R59035
1,3-Dichloropropane	ND	1.0	µg/L	1	4/10/2019 11:04:00 PM	R59035
2,2-Dichloropropane	ND	2.0	µg/L	1	4/10/2019 11:04:00 PM	R59035
1,1-Dichloropropene	ND	1.0	µg/L	1	4/10/2019 11:04:00 PM	R59035
Hexachlorobutadiene	ND	1.0	µg/L	1	4/10/2019 11:04:00 PM	R59035
2-Hexanone	ND	10	µg/L	1	4/10/2019 11:04:00 PM	R59035
Isopropylbenzene	ND	1.0	µg/L	1	4/10/2019 11:04:00 PM	R59035
4-Isopropyltoluene	ND	1.0	µg/L	1	4/10/2019 11:04:00 PM	R59035
4-Methyl-2-pentanone	ND	10	µg/L	1	4/10/2019 11:04:00 PM	R59035
Methylene Chloride	ND	3.0	µg/L	1	4/10/2019 11:04:00 PM	R59035
n-Butylbenzene	ND	3.0	µg/L	1	4/10/2019 11:04:00 PM	R59035
n-Propylbenzene	ND	1.0	µg/L	1	4/10/2019 11:04:00 PM	R59035
sec-Butylbenzene	ND	1.0	µg/L	1	4/10/2019 11:04:00 PM	R59035
Styrene	ND	1.0	µg/L	1	4/10/2019 11:04:00 PM	R59035
tert-Butylbenzene	ND	1.0	µg/L	1	4/10/2019 11:04:00 PM	R59035
1,1,1,2-Tetrachloroethane	ND	1.0	µg/L	1	4/10/2019 11:04:00 PM	R59035
1,1,2,2-Tetrachloroethane	ND	2.0	µg/L	1	4/10/2019 11:04:00 PM	R59035
Tetrachloroethene (PCE)	ND	1.0	µg/L	1	4/10/2019 11:04:00 PM	R59035
trans-1,2-DCE	ND	1.0	µg/L	1	4/10/2019 11:04:00 PM	R59035
trans-1,3-Dichloropropene	ND	1.0	µg/L	1	4/10/2019 11:04:00 PM	R59035
1,2,3-Trichlorobenzene	ND	1.0	µg/L	1	4/10/2019 11:04:00 PM	R59035
1,2,4-Trichlorobenzene	ND	1.0	µg/L	1	4/10/2019 11:04:00 PM	R59035
1,1,1-Trichloroethane	ND	1.0	µg/L	1	4/10/2019 11:04:00 PM	R59035
1,1,2-Trichloroethane	ND	1.0	µg/L	1	4/10/2019 11:04:00 PM	R59035
Trichloroethene (TCE)	ND	1.0	µg/L	1	4/10/2019 11:04:00 PM	R59035
Trichlorofluoromethane	ND	1.0	µg/L	1	4/10/2019 11:04:00 PM	R59035
1,2,3-Trichloropropane	ND	2.0	µg/L	1	4/10/2019 11:04:00 PM	R59035
Vinyl chloride	ND	1.0	µg/L	1	4/10/2019 11:04:00 PM	R59035
Xylenes, Total	ND	1.5	µg/L	1	4/10/2019 11:04:00 PM	R59035

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

Qualifiers:

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

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD
Lab Order: 1904342
Project: Laguna

EPA METHOD 8260B: VOLATILES Analyst: **RAA**

Surr: 1,2-Dichloroethane-d4	102	70-130	%Rec	1	4/10/2019 11:04:00 PM	R59035
Surr: 4-Bromofluorobenzene	97.6	70-130	%Rec	1	4/10/2019 11:04:00 PM	R59035
Surr: Dibromofluoromethane	99.4	70-130	%Rec	1	4/10/2019 11:04:00 PM	R59035
Surr: Toluene-d8	94.7	70-130	%Rec	1	4/10/2019 11:04:00 PM	R59035

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 Limit
S	% Recovery outside of range due to dilution or matrix		

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD **Lab Order:** 1904342
Project: Laguna

Lab ID: 1904342-012 **Collection Date:** 4/4/2019 11:15:00 AM
Client Sample ID: GW-086241-040419-CM-6-20B **Matrix:** AQUEOUS

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch ID
EPA METHOD 9060 TOC						Analyst: **DAM**	
Total Organic Carbon	28	1.0		mg/L	1	4/9/2019 7:26:05 PM	R59019
EPA METHOD 300.0: ANIONS						Analyst: **MRA**	
Nitrogen, Nitrate (As N)	9.8	0.50		mg/L	5	4/5/2019 5:36:38 PM	R58946
Sulfate	1400	25	*	mg/L	50	4/16/2019 12:14:37 AM	A59171
EPA METHOD 8082A: PCB'S						Analyst: **TOM**	
Aroclor 1016	0.96	0.25		µg/L	1	4/17/2019 12:24:21 PM	44287
Aroclor 1221	ND	0.25		µg/L	1	4/17/2019 12:24:21 PM	44287
Aroclor 1232	ND	0.25		µg/L	1	4/17/2019 12:24:21 PM	44287
Aroclor 1242	ND	0.25		µg/L	1	4/17/2019 12:24:21 PM	44287
Aroclor 1248	ND	0.25		µg/L	1	4/17/2019 12:24:21 PM	44287
Aroclor 1254	ND	0.25		µg/L	1	4/17/2019 12:24:21 PM	44287
Aroclor 1260	ND	0.25		µg/L	1	4/17/2019 12:24:21 PM	44287
Surr: Decachlorobiphenyl	81.2	24.8-102		%Rec	1	4/17/2019 12:24:21 PM	44287
Surr: Tetrachloro-m-xylene	87.2	15.6-106		%Rec	1	4/17/2019 12:24:21 PM	44287
EPA METHOD 8260B: VOLATILES						Analyst: **RAA**	
Benzene	ND	1.0		µg/L	1	4/10/2019 11:28:00 PM	R59035
Toluene	ND	1.0		µg/L	1	4/10/2019 11:28:00 PM	R59035
Ethylbenzene	ND	1.0		µg/L	1	4/10/2019 11:28:00 PM	R59035
Methyl tert-butyl ether (MTBE)	ND	1.0		µg/L	1	4/10/2019 11:28:00 PM	R59035
1,2,4-Trimethylbenzene	ND	1.0		µg/L	1	4/10/2019 11:28:00 PM	R59035
1,3,5-Trimethylbenzene	ND	1.0		µg/L	1	4/10/2019 11:28:00 PM	R59035
1,2-Dichloroethane (EDC)	ND	1.0		µg/L	1	4/10/2019 11:28:00 PM	R59035
1,2-Dibromoethane (EDB)	ND	1.0		µg/L	1	4/10/2019 11:28:00 PM	R59035
Naphthalene	ND	2.0		µg/L	1	4/10/2019 11:28:00 PM	R59035
1-Methylnaphthalene	ND	4.0		µg/L	1	4/10/2019 11:28:00 PM	R59035
2-Methylnaphthalene	ND	4.0		µg/L	1	4/10/2019 11:28:00 PM	R59035
Acetone	ND	10		µg/L	1	4/10/2019 11:28:00 PM	R59035
Bromobenzene	ND	1.0		µg/L	1	4/10/2019 11:28:00 PM	R59035
Bromodichloromethane	ND	1.0		µg/L	1	4/10/2019 11:28:00 PM	R59035
Bromoform	ND	1.0		µg/L	1	4/10/2019 11:28:00 PM	R59035
Bromomethane	ND	3.0		µg/L	1	4/10/2019 11:28:00 PM	R59035
2-Butanone	ND	10		µg/L	1	4/10/2019 11:28:00 PM	R59035
Carbon disulfide	ND	10		µg/L	1	4/10/2019 11:28:00 PM	R59035
Carbon Tetrachloride	ND	1.0		µg/L	1	4/10/2019 11:28:00 PM	R59035
Chlorobenzene	ND	1.0		µg/L	1	4/10/2019 11:28:00 PM	R59035
Chloroethane	ND	2.0		µg/L	1	4/10/2019 11:28:00 PM	R59035
Chloroform	ND	1.0		µg/L	1	4/10/2019 11:28:00 PM	R59035

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 Limit
S	% Recovery outside of range due to dilution or matrix		

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD
Lab Order: 1904342
Project: Laguna

EPA METHOD 8260B: VOLATILES

Analyst: **RAA**

Chloromethane	ND	3.0	µg/L	1	4/10/2019 11:28:00 PM	R59035
2-Chlorotoluene	ND	1.0	µg/L	1	4/10/2019 11:28:00 PM	R59035
4-Chlorotoluene	ND	1.0	µg/L	1	4/10/2019 11:28:00 PM	R59035
cis-1,2-DCE	ND	1.0	µg/L	1	4/10/2019 11:28:00 PM	R59035
cis-1,3-Dichloropropene	ND	1.0	µg/L	1	4/10/2019 11:28:00 PM	R59035
1,2-Dibromo-3-chloropropane	ND	2.0	µg/L	1	4/10/2019 11:28:00 PM	R59035
Dibromochloromethane	ND	1.0	µg/L	1	4/10/2019 11:28:00 PM	R59035
Dibromomethane	ND	1.0	µg/L	1	4/10/2019 11:28:00 PM	R59035
1,2-Dichlorobenzene	ND	1.0	µg/L	1	4/10/2019 11:28:00 PM	R59035
1,3-Dichlorobenzene	ND	1.0	µg/L	1	4/10/2019 11:28:00 PM	R59035
1,4-Dichlorobenzene	ND	1.0	µg/L	1	4/10/2019 11:28:00 PM	R59035
Dichlorodifluoromethane	ND	1.0	µg/L	1	4/10/2019 11:28:00 PM	R59035
1,1-Dichloroethane	16	1.0	µg/L	1	4/10/2019 11:28:00 PM	R59035
1,1-Dichloroethene	1.7	1.0	µg/L	1	4/10/2019 11:28:00 PM	R59035
1,2-Dichloropropane	ND	1.0	µg/L	1	4/10/2019 11:28:00 PM	R59035
1,3-Dichloropropane	ND	1.0	µg/L	1	4/10/2019 11:28:00 PM	R59035
2,2-Dichloropropane	ND	2.0	µg/L	1	4/10/2019 11:28:00 PM	R59035
1,1-Dichloropropene	ND	1.0	µg/L	1	4/10/2019 11:28:00 PM	R59035
Hexachlorobutadiene	ND	1.0	µg/L	1	4/10/2019 11:28:00 PM	R59035
2-Hexanone	ND	10	µg/L	1	4/10/2019 11:28:00 PM	R59035
Isopropylbenzene	ND	1.0	µg/L	1	4/10/2019 11:28:00 PM	R59035
4-Isopropyltoluene	ND	1.0	µg/L	1	4/10/2019 11:28:00 PM	R59035
4-Methyl-2-pentanone	ND	10	µg/L	1	4/10/2019 11:28:00 PM	R59035
Methylene Chloride	ND	3.0	µg/L	1	4/10/2019 11:28:00 PM	R59035
n-Butylbenzene	ND	3.0	µg/L	1	4/10/2019 11:28:00 PM	R59035
n-Propylbenzene	ND	1.0	µg/L	1	4/10/2019 11:28:00 PM	R59035
sec-Butylbenzene	ND	1.0	µg/L	1	4/10/2019 11:28:00 PM	R59035
Styrene	ND	1.0	µg/L	1	4/10/2019 11:28:00 PM	R59035
tert-Butylbenzene	ND	1.0	µg/L	1	4/10/2019 11:28:00 PM	R59035
1,1,1,2-Tetrachloroethane	ND	1.0	µg/L	1	4/10/2019 11:28:00 PM	R59035
1,1,2,2-Tetrachloroethane	ND	2.0	µg/L	1	4/10/2019 11:28:00 PM	R59035
Tetrachloroethene (PCE)	ND	1.0	µg/L	1	4/10/2019 11:28:00 PM	R59035
trans-1,2-DCE	ND	1.0	µg/L	1	4/10/2019 11:28:00 PM	R59035
trans-1,3-Dichloropropene	ND	1.0	µg/L	1	4/10/2019 11:28:00 PM	R59035
1,2,3-Trichlorobenzene	ND	1.0	µg/L	1	4/10/2019 11:28:00 PM	R59035
1,2,4-Trichlorobenzene	ND	1.0	µg/L	1	4/10/2019 11:28:00 PM	R59035
1,1,1-Trichloroethane	ND	1.0	µg/L	1	4/10/2019 11:28:00 PM	R59035
1,1,2-Trichloroethane	ND	1.0	µg/L	1	4/10/2019 11:28:00 PM	R59035
Trichloroethene (TCE)	ND	1.0	µg/L	1	4/10/2019 11:28:00 PM	R59035
Trichlorofluoromethane	ND	1.0	µg/L	1	4/10/2019 11:28:00 PM	R59035
1,2,3-Trichloropropane	ND	2.0	µg/L	1	4/10/2019 11:28:00 PM	R59035
Vinyl chloride	ND	1.0	µg/L	1	4/10/2019 11:28:00 PM	R59035
Xylenes, Total	ND	1.5	µg/L	1	4/10/2019 11:28:00 PM	R59035

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

Qualifiers:

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

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD
Lab Order: 1904342
Project: Laguna

EPA METHOD 8260B: VOLATILES Analyst: **RAA**

Surr: 1,2-Dichloroethane-d4	104	70-130	%Rec	1	4/10/2019 11:28:00 PM	R59035
Surr: 4-Bromofluorobenzene	95.5	70-130	%Rec	1	4/10/2019 11:28:00 PM	R59035
Surr: Dibromofluoromethane	102	70-130	%Rec	1	4/10/2019 11:28:00 PM	R59035
Surr: Toluene-d8	93.4	70-130	%Rec	1	4/10/2019 11:28:00 PM	R59035

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 Limit
S	% Recovery outside of range due to dilution or matrix		

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD **Lab Order:** 1904342
Project: Laguna

Lab ID: 1904342-013 **Collection Date:** 4/4/2019 11:25:00 AM
Client Sample ID: GW-086241-040419-CM-6-20C **Matrix:** AQUEOUS

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch ID
EPA METHOD 9060 TOC						Analyst: **DAM**	
Total Organic Carbon	13	1.0		mg/L	1	4/9/2019 8:28:21 PM	R59019
EPA METHOD 300.0: ANIONS						Analyst: **MRA**	
Nitrogen, Nitrate (As N)	ND	0.50		mg/L	5	4/5/2019 6:01:26 PM	R58946
Sulfate	450	10	*	mg/L	20	4/5/2019 6:13:51 PM	R58946
EPA METHOD 8082A: PCB'S						Analyst: **TOM**	
Aroclor 1016	36	2.5		µg/L	10	4/18/2019 1:05:08 PM	44287
Aroclor 1221	ND	2.5		µg/L	10	4/18/2019 1:05:08 PM	44287
Aroclor 1232	ND	2.5		µg/L	10	4/18/2019 1:05:08 PM	44287
Aroclor 1242	ND	2.5		µg/L	10	4/18/2019 1:05:08 PM	44287
Aroclor 1248	ND	2.5		µg/L	10	4/18/2019 1:05:08 PM	44287
Aroclor 1254	ND	2.5		µg/L	10	4/18/2019 1:05:08 PM	44287
Aroclor 1260	ND	2.5		µg/L	10	4/18/2019 1:05:08 PM	44287
Surr: Decachlorobiphenyl	0	24.8-102	S	%Rec	10	4/18/2019 1:05:08 PM	44287
Surr: Tetrachloro-m-xylene	0	15.6-106	S	%Rec	10	4/18/2019 1:05:08 PM	44287
EPA METHOD 8260B: VOLATILES						Analyst: **RAA**	
Benzene	ND	1.0		µg/L	1	4/11/2019 1:29:00 AM	AQ590
Toluene	ND	1.0		µg/L	1	4/11/2019 1:29:00 AM	AQ590
Ethylbenzene	ND	1.0		µg/L	1	4/11/2019 1:29:00 AM	AQ590
Methyl tert-butyl ether (MTBE)	ND	1.0		µg/L	1	4/11/2019 1:29:00 AM	AQ590
1,2,4-Trimethylbenzene	ND	1.0		µg/L	1	4/11/2019 1:29:00 AM	AQ590
1,3,5-Trimethylbenzene	ND	1.0		µg/L	1	4/11/2019 1:29:00 AM	AQ590
1,2-Dichloroethane (EDC)	ND	1.0		µg/L	1	4/11/2019 1:29:00 AM	AQ590
1,2-Dibromoethane (EDB)	ND	1.0		µg/L	1	4/11/2019 1:29:00 AM	AQ590
Naphthalene	ND	2.0		µg/L	1	4/11/2019 1:29:00 AM	AQ590
1-Methylnaphthalene	ND	4.0		µg/L	1	4/11/2019 1:29:00 AM	AQ590
2-Methylnaphthalene	ND	4.0		µg/L	1	4/11/2019 1:29:00 AM	AQ590
Acetone	ND	10		µg/L	1	4/11/2019 1:29:00 AM	AQ590
Bromobenzene	ND	1.0		µg/L	1	4/11/2019 1:29:00 AM	AQ590
Bromodichloromethane	ND	1.0		µg/L	1	4/11/2019 1:29:00 AM	AQ590
Bromoform	ND	1.0		µg/L	1	4/11/2019 1:29:00 AM	AQ590
Bromomethane	ND	3.0		µg/L	1	4/11/2019 1:29:00 AM	AQ590
2-Butanone	ND	10		µg/L	1	4/11/2019 1:29:00 AM	AQ590
Carbon disulfide	ND	10		µg/L	1	4/11/2019 1:29:00 AM	AQ590
Carbon Tetrachloride	ND	1.0		µg/L	1	4/11/2019 1:29:00 AM	AQ590
Chlorobenzene	ND	1.0		µg/L	1	4/11/2019 1:29:00 AM	AQ590
Chloroethane	ND	2.0		µg/L	1	4/11/2019 1:29:00 AM	AQ590
Chloroform	ND	1.0		µg/L	1	4/11/2019 1:29:00 AM	AQ590

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 Limit
S	% Recovery outside of range due to dilution or matrix		

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD **Lab Order:** 1904342
Project: Laguna

EPA METHOD 8260B: VOLATILES

Analyst: **RAA**

Chloromethane	ND	3.0	µg/L	1	4/11/2019 1:29:00 AM	AQ590
2-Chlorotoluene	ND	1.0	µg/L	1	4/11/2019 1:29:00 AM	AQ590
4-Chlorotoluene	ND	1.0	µg/L	1	4/11/2019 1:29:00 AM	AQ590
cis-1,2-DCE	ND	1.0	µg/L	1	4/11/2019 1:29:00 AM	AQ590
cis-1,3-Dichloropropene	ND	1.0	µg/L	1	4/11/2019 1:29:00 AM	AQ590
1,2-Dibromo-3-chloropropane	ND	2.0	µg/L	1	4/11/2019 1:29:00 AM	AQ590
Dibromochloromethane	ND	1.0	µg/L	1	4/11/2019 1:29:00 AM	AQ590
Dibromomethane	ND	1.0	µg/L	1	4/11/2019 1:29:00 AM	AQ590
1,2-Dichlorobenzene	ND	1.0	µg/L	1	4/11/2019 1:29:00 AM	AQ590
1,3-Dichlorobenzene	ND	1.0	µg/L	1	4/11/2019 1:29:00 AM	AQ590
1,4-Dichlorobenzene	ND	1.0	µg/L	1	4/11/2019 1:29:00 AM	AQ590
Dichlorodifluoromethane	ND	1.0	µg/L	1	4/11/2019 1:29:00 AM	AQ590
1,1-Dichloroethane	24	1.0	µg/L	1	4/11/2019 1:29:00 AM	AQ590
1,1-Dichloroethene	6.7	1.0	µg/L	1	4/11/2019 1:29:00 AM	AQ590
1,2-Dichloropropane	ND	1.0	µg/L	1	4/11/2019 1:29:00 AM	AQ590
1,3-Dichloropropane	ND	1.0	µg/L	1	4/11/2019 1:29:00 AM	AQ590
2,2-Dichloropropane	ND	2.0	µg/L	1	4/11/2019 1:29:00 AM	AQ590
1,1-Dichloropropene	ND	1.0	µg/L	1	4/11/2019 1:29:00 AM	AQ590
Hexachlorobutadiene	ND	1.0	µg/L	1	4/11/2019 1:29:00 AM	AQ590
2-Hexanone	ND	10	µg/L	1	4/11/2019 1:29:00 AM	AQ590
Isopropylbenzene	ND	1.0	µg/L	1	4/11/2019 1:29:00 AM	AQ590
4-Isopropyltoluene	ND	1.0	µg/L	1	4/11/2019 1:29:00 AM	AQ590
4-Methyl-2-pentanone	ND	10	µg/L	1	4/11/2019 1:29:00 AM	AQ590
Methylene Chloride	ND	3.0	µg/L	1	4/11/2019 1:29:00 AM	AQ590
n-Butylbenzene	ND	3.0	µg/L	1	4/11/2019 1:29:00 AM	AQ590
n-Propylbenzene	ND	1.0	µg/L	1	4/11/2019 1:29:00 AM	AQ590
sec-Butylbenzene	ND	1.0	µg/L	1	4/11/2019 1:29:00 AM	AQ590
Styrene	ND	1.0	µg/L	1	4/11/2019 1:29:00 AM	AQ590
tert-Butylbenzene	ND	1.0	µg/L	1	4/11/2019 1:29:00 AM	AQ590
1,1,1,2-Tetrachloroethane	ND	1.0	µg/L	1	4/11/2019 1:29:00 AM	AQ590
1,1,2,2-Tetrachloroethane	ND	2.0	µg/L	1	4/11/2019 1:29:00 AM	AQ590
Tetrachloroethene (PCE)	ND	1.0	µg/L	1	4/11/2019 1:29:00 AM	AQ590
trans-1,2-DCE	ND	1.0	µg/L	1	4/11/2019 1:29:00 AM	AQ590
trans-1,3-Dichloropropene	ND	1.0	µg/L	1	4/11/2019 1:29:00 AM	AQ590
1,2,3-Trichlorobenzene	ND	1.0	µg/L	1	4/11/2019 1:29:00 AM	AQ590
1,2,4-Trichlorobenzene	ND	1.0	µg/L	1	4/11/2019 1:29:00 AM	AQ590
1,1,1-Trichloroethane	ND	1.0	µg/L	1	4/11/2019 1:29:00 AM	AQ590
1,1,2-Trichloroethane	ND	1.0	µg/L	1	4/11/2019 1:29:00 AM	AQ590
Trichloroethene (TCE)	ND	1.0	µg/L	1	4/11/2019 1:29:00 AM	AQ590
Trichlorofluoromethane	ND	1.0	µg/L	1	4/11/2019 1:29:00 AM	AQ590
1,2,3-Trichloropropane	ND	2.0	µg/L	1	4/11/2019 1:29:00 AM	AQ590
Vinyl chloride	ND	1.0	µg/L	1	4/11/2019 1:29:00 AM	AQ590
Xylenes, Total	ND	1.5	µg/L	1	4/11/2019 1:29:00 AM	AQ590

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 Limit
S	% Recovery outside of range due to dilution or matrix		

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD **Lab Order:** 1904342
Project: Laguna

EPA METHOD 8260B: VOLATILES Analyst: **RAA**

Surr: 1,2-Dichloroethane-d4	101	70-130	%Rec	1	4/11/2019 1:29:00 AM	AQ590
Surr: 4-Bromofluorobenzene	98.3	70-130	%Rec	1	4/11/2019 1:29:00 AM	AQ590
Surr: Dibromofluoromethane	100	70-130	%Rec	1	4/11/2019 1:29:00 AM	AQ590
Surr: Toluene-d8	93.5	70-130	%Rec	1	4/11/2019 1:29:00 AM	AQ590

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 Limit
S	% Recovery outside of range due to dilution or matrix		

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD **Lab Order:** 1904342
Project: Laguna

Lab ID: 1904342-014 **Collection Date:** 4/4/2019 11:30:00 AM
Client Sample ID: GW-086241-040419-CM-6-21B **Matrix:** AQUEOUS

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch ID
EPA METHOD 9060 TOC						Analyst: **DAM**	
Total Organic Carbon	16	1.0		mg/L	1	4/9/2019 8:44:50 PM	R59019
EPA METHOD 300.0: ANIONS						Analyst: **MRA**	
Nitrogen, Nitrate (As N)	3.3	0.50		mg/L	5	4/5/2019 6:26:15 PM	R58946
Sulfate	880	10	*	mg/L	20	4/5/2019 6:38:40 PM	R58946
EPA METHOD 8082A: PCB'S						Analyst: **TOM**	
Aroclor 1016	ND	0.25		µg/L	1	4/17/2019 1:30:20 PM	44287
Aroclor 1221	ND	0.25		µg/L	1	4/17/2019 1:30:20 PM	44287
Aroclor 1232	ND	0.25		µg/L	1	4/17/2019 1:30:20 PM	44287
Aroclor 1242	ND	0.25		µg/L	1	4/17/2019 1:30:20 PM	44287
Aroclor 1248	ND	0.25		µg/L	1	4/17/2019 1:30:20 PM	44287
Aroclor 1254	ND	0.25		µg/L	1	4/17/2019 1:30:20 PM	44287
Aroclor 1260	ND	0.25		µg/L	1	4/17/2019 1:30:20 PM	44287
Surr: Decachlorobiphenyl	81.6	24.8-102		%Rec	1	4/17/2019 1:30:20 PM	44287
Surr: Tetrachloro-m-xylene	36.4	15.6-106		%Rec	1	4/17/2019 1:30:20 PM	44287
EPA METHOD 8260B: VOLATILES						Analyst: **RAA**	
Benzene	ND	1.0		µg/L	1	4/11/2019 1:53:00 AM	AQ590
Toluene	ND	1.0		µg/L	1	4/11/2019 1:53:00 AM	AQ590
Ethylbenzene	ND	1.0		µg/L	1	4/11/2019 1:53:00 AM	AQ590
Methyl tert-butyl ether (MTBE)	ND	1.0		µg/L	1	4/11/2019 1:53:00 AM	AQ590
1,2,4-Trimethylbenzene	ND	1.0		µg/L	1	4/11/2019 1:53:00 AM	AQ590
1,3,5-Trimethylbenzene	ND	1.0		µg/L	1	4/11/2019 1:53:00 AM	AQ590
1,2-Dichloroethane (EDC)	ND	1.0		µg/L	1	4/11/2019 1:53:00 AM	AQ590
1,2-Dibromoethane (EDB)	ND	1.0		µg/L	1	4/11/2019 1:53:00 AM	AQ590
Naphthalene	ND	2.0		µg/L	1	4/11/2019 1:53:00 AM	AQ590
1-Methylnaphthalene	ND	4.0		µg/L	1	4/11/2019 1:53:00 AM	AQ590
2-Methylnaphthalene	ND	4.0		µg/L	1	4/11/2019 1:53:00 AM	AQ590
Acetone	ND	10		µg/L	1	4/11/2019 1:53:00 AM	AQ590
Bromobenzene	ND	1.0		µg/L	1	4/11/2019 1:53:00 AM	AQ590
Bromodichloromethane	ND	1.0		µg/L	1	4/11/2019 1:53:00 AM	AQ590
Bromoform	ND	1.0		µg/L	1	4/11/2019 1:53:00 AM	AQ590
Bromomethane	ND	3.0		µg/L	1	4/11/2019 1:53:00 AM	AQ590
2-Butanone	ND	10		µg/L	1	4/11/2019 1:53:00 AM	AQ590
Carbon disulfide	ND	10		µg/L	1	4/11/2019 1:53:00 AM	AQ590
Carbon Tetrachloride	ND	1.0		µg/L	1	4/11/2019 1:53:00 AM	AQ590
Chlorobenzene	ND	1.0		µg/L	1	4/11/2019 1:53:00 AM	AQ590
Chloroethane	ND	2.0		µg/L	1	4/11/2019 1:53:00 AM	AQ590
Chloroform	ND	1.0		µg/L	1	4/11/2019 1:53:00 AM	AQ590

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 Limit
S	% Recovery outside of range due to dilution or matrix		

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD **Lab Order:** 1904342
Project: Laguna

EPA METHOD 8260B: VOLATILES

Analyst: **RAA**

Chloromethane	ND	3.0	µg/L	1	4/11/2019 1:53:00 AM	AQ590
2-Chlorotoluene	ND	1.0	µg/L	1	4/11/2019 1:53:00 AM	AQ590
4-Chlorotoluene	ND	1.0	µg/L	1	4/11/2019 1:53:00 AM	AQ590
cis-1,2-DCE	ND	1.0	µg/L	1	4/11/2019 1:53:00 AM	AQ590
cis-1,3-Dichloropropene	ND	1.0	µg/L	1	4/11/2019 1:53:00 AM	AQ590
1,2-Dibromo-3-chloropropane	ND	2.0	µg/L	1	4/11/2019 1:53:00 AM	AQ590
Dibromochloromethane	ND	1.0	µg/L	1	4/11/2019 1:53:00 AM	AQ590
Dibromomethane	ND	1.0	µg/L	1	4/11/2019 1:53:00 AM	AQ590
1,2-Dichlorobenzene	ND	1.0	µg/L	1	4/11/2019 1:53:00 AM	AQ590
1,3-Dichlorobenzene	ND	1.0	µg/L	1	4/11/2019 1:53:00 AM	AQ590
1,4-Dichlorobenzene	ND	1.0	µg/L	1	4/11/2019 1:53:00 AM	AQ590
Dichlorodifluoromethane	ND	1.0	µg/L	1	4/11/2019 1:53:00 AM	AQ590
1,1-Dichloroethane	39	1.0	µg/L	1	4/11/2019 1:53:00 AM	AQ590
1,1-Dichloroethene	11	1.0	µg/L	1	4/11/2019 1:53:00 AM	AQ590
1,2-Dichloropropane	ND	1.0	µg/L	1	4/11/2019 1:53:00 AM	AQ590
1,3-Dichloropropane	ND	1.0	µg/L	1	4/11/2019 1:53:00 AM	AQ590
2,2-Dichloropropane	ND	2.0	µg/L	1	4/11/2019 1:53:00 AM	AQ590
1,1-Dichloropropene	ND	1.0	µg/L	1	4/11/2019 1:53:00 AM	AQ590
Hexachlorobutadiene	ND	1.0	µg/L	1	4/11/2019 1:53:00 AM	AQ590
2-Hexanone	ND	10	µg/L	1	4/11/2019 1:53:00 AM	AQ590
Isopropylbenzene	ND	1.0	µg/L	1	4/11/2019 1:53:00 AM	AQ590
4-Isopropyltoluene	ND	1.0	µg/L	1	4/11/2019 1:53:00 AM	AQ590
4-Methyl-2-pentanone	ND	10	µg/L	1	4/11/2019 1:53:00 AM	AQ590
Methylene Chloride	ND	3.0	µg/L	1	4/11/2019 1:53:00 AM	AQ590
n-Butylbenzene	ND	3.0	µg/L	1	4/11/2019 1:53:00 AM	AQ590
n-Propylbenzene	ND	1.0	µg/L	1	4/11/2019 1:53:00 AM	AQ590
sec-Butylbenzene	ND	1.0	µg/L	1	4/11/2019 1:53:00 AM	AQ590
Styrene	ND	1.0	µg/L	1	4/11/2019 1:53:00 AM	AQ590
tert-Butylbenzene	ND	1.0	µg/L	1	4/11/2019 1:53:00 AM	AQ590
1,1,1,2-Tetrachloroethane	ND	1.0	µg/L	1	4/11/2019 1:53:00 AM	AQ590
1,1,2,2-Tetrachloroethane	ND	2.0	µg/L	1	4/11/2019 1:53:00 AM	AQ590
Tetrachloroethene (PCE)	ND	1.0	µg/L	1	4/11/2019 1:53:00 AM	AQ590
trans-1,2-DCE	ND	1.0	µg/L	1	4/11/2019 1:53:00 AM	AQ590
trans-1,3-Dichloropropene	ND	1.0	µg/L	1	4/11/2019 1:53:00 AM	AQ590
1,2,3-Trichlorobenzene	ND	1.0	µg/L	1	4/11/2019 1:53:00 AM	AQ590
1,2,4-Trichlorobenzene	ND	1.0	µg/L	1	4/11/2019 1:53:00 AM	AQ590
1,1,1-Trichloroethane	ND	1.0	µg/L	1	4/11/2019 1:53:00 AM	AQ590
1,1,2-Trichloroethane	ND	1.0	µg/L	1	4/11/2019 1:53:00 AM	AQ590
Trichloroethene (TCE)	ND	1.0	µg/L	1	4/11/2019 1:53:00 AM	AQ590
Trichlorofluoromethane	ND	1.0	µg/L	1	4/11/2019 1:53:00 AM	AQ590
1,2,3-Trichloropropane	ND	2.0	µg/L	1	4/11/2019 1:53:00 AM	AQ590
Vinyl chloride	ND	1.0	µg/L	1	4/11/2019 1:53:00 AM	AQ590
Xylenes, Total	ND	1.5	µg/L	1	4/11/2019 1:53:00 AM	AQ590

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

Qualifiers:

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

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD **Lab Order:** 1904342
Project: Laguna

EPA METHOD 8260B: VOLATILES Analyst: **RAA**

Surr: 1,2-Dichloroethane-d4	105	70-130	%Rec	1	4/11/2019 1:53:00 AM	AQ590
Surr: 4-Bromofluorobenzene	96.9	70-130	%Rec	1	4/11/2019 1:53:00 AM	AQ590
Surr: Dibromofluoromethane	99.7	70-130	%Rec	1	4/11/2019 1:53:00 AM	AQ590
Surr: Toluene-d8	93.2	70-130	%Rec	1	4/11/2019 1:53:00 AM	AQ590

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 Limit
S	% Recovery outside of range due to dilution or matrix		

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD **Lab Order:** 1904342
Project: Laguna

Lab ID: 1904342-015 **Collection Date:** 4/4/2019 11:40:00 AM
Client Sample ID: GW-086241-040419-CM-6-21C **Matrix:** AQUEOUS

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch ID
EPA METHOD 9060 TOC						Analyst: **DAM**	
Total Organic Carbon	150	1.0		mg/L	1	4/9/2019 10:03:04 PM	R59019
EPA METHOD 300.0: ANIONS						Analyst: **MRA**	
Nitrogen, Nitrate (As N)	ND	0.50		mg/L	5	4/5/2019 6:51:05 PM	R58946
Sulfate	ND	2.5		mg/L	5	4/5/2019 6:51:05 PM	R58946
EPA METHOD 8082A: PCB'S						Analyst: **TOM**	
Aroclor 1016	3.3	0.25		µg/L	1	4/17/2019 2:03:22 PM	44287
Aroclor 1221	ND	0.25		µg/L	1	4/17/2019 2:03:22 PM	44287
Aroclor 1232	ND	0.25		µg/L	1	4/17/2019 2:03:22 PM	44287
Aroclor 1242	ND	0.25		µg/L	1	4/17/2019 2:03:22 PM	44287
Aroclor 1248	ND	0.25		µg/L	1	4/17/2019 2:03:22 PM	44287
Aroclor 1254	ND	0.25		µg/L	1	4/17/2019 2:03:22 PM	44287
Aroclor 1260	ND	0.25		µg/L	1	4/17/2019 2:03:22 PM	44287
Surr: Decachlorobiphenyl	62.8	24.8-102		%Rec	1	4/17/2019 2:03:22 PM	44287
Surr: Tetrachloro-m-xylene	64.8	15.6-106		%Rec	1	4/17/2019 2:03:22 PM	44287
EPA METHOD 8260B: VOLATILES						Analyst: **RAA**	
Benzene	ND	2.0		µg/L	2	4/11/2019 2:17:00 AM	AQ590
Toluene	ND	2.0		µg/L	2	4/11/2019 2:17:00 AM	AQ590
Ethylbenzene	ND	2.0		µg/L	2	4/11/2019 2:17:00 AM	AQ590
Methyl tert-butyl ether (MTBE)	ND	2.0		µg/L	2	4/11/2019 2:17:00 AM	AQ590
1,2,4-Trimethylbenzene	ND	2.0		µg/L	2	4/11/2019 2:17:00 AM	AQ590
1,3,5-Trimethylbenzene	ND	2.0		µg/L	2	4/11/2019 2:17:00 AM	AQ590
1,2-Dichloroethane (EDC)	ND	2.0		µg/L	2	4/11/2019 2:17:00 AM	AQ590
1,2-Dibromoethane (EDB)	ND	2.0		µg/L	2	4/11/2019 2:17:00 AM	AQ590
Naphthalene	ND	4.0		µg/L	2	4/11/2019 2:17:00 AM	AQ590
1-Methylnaphthalene	ND	8.0		µg/L	2	4/11/2019 2:17:00 AM	AQ590
2-Methylnaphthalene	ND	8.0		µg/L	2	4/11/2019 2:17:00 AM	AQ590
Acetone	49	20		µg/L	2	4/11/2019 2:17:00 AM	AQ590
Bromobenzene	ND	2.0		µg/L	2	4/11/2019 2:17:00 AM	AQ590
Bromodichloromethane	ND	2.0		µg/L	2	4/11/2019 2:17:00 AM	AQ590
Bromoform	ND	2.0		µg/L	2	4/11/2019 2:17:00 AM	AQ590
Bromomethane	ND	6.0		µg/L	2	4/11/2019 2:17:00 AM	AQ590
2-Butanone	ND	20		µg/L	2	4/11/2019 2:17:00 AM	AQ590
Carbon disulfide	ND	20		µg/L	2	4/11/2019 2:17:00 AM	AQ590
Carbon Tetrachloride	ND	2.0		µg/L	2	4/11/2019 2:17:00 AM	AQ590
Chlorobenzene	ND	2.0		µg/L	2	4/11/2019 2:17:00 AM	AQ590
Chloroethane	15	4.0		µg/L	2	4/11/2019 2:17:00 AM	AQ590
Chloroform	ND	2.0		µg/L	2	4/11/2019 2:17:00 AM	AQ590

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 Limit
S	% Recovery outside of range due to dilution or matrix		

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD **Lab Order:** 1904342
Project: Laguna

EPA METHOD 8260B: VOLATILES

Analyst: **RAA**

Chloromethane	ND	6.0	µg/L	2	4/11/2019 2:17:00 AM	AQ590
2-Chlorotoluene	ND	2.0	µg/L	2	4/11/2019 2:17:00 AM	AQ590
4-Chlorotoluene	ND	2.0	µg/L	2	4/11/2019 2:17:00 AM	AQ590
cis-1,2-DCE	ND	2.0	µg/L	2	4/11/2019 2:17:00 AM	AQ590
cis-1,3-Dichloropropene	ND	2.0	µg/L	2	4/11/2019 2:17:00 AM	AQ590
1,2-Dibromo-3-chloropropane	ND	4.0	µg/L	2	4/11/2019 2:17:00 AM	AQ590
Dibromochloromethane	ND	2.0	µg/L	2	4/11/2019 2:17:00 AM	AQ590
Dibromomethane	ND	2.0	µg/L	2	4/11/2019 2:17:00 AM	AQ590
1,2-Dichlorobenzene	ND	2.0	µg/L	2	4/11/2019 2:17:00 AM	AQ590
1,3-Dichlorobenzene	ND	2.0	µg/L	2	4/11/2019 2:17:00 AM	AQ590
1,4-Dichlorobenzene	ND	2.0	µg/L	2	4/11/2019 2:17:00 AM	AQ590
Dichlorodifluoromethane	ND	2.0	µg/L	2	4/11/2019 2:17:00 AM	AQ590
1,1-Dichloroethane	2.9	2.0	µg/L	2	4/11/2019 2:17:00 AM	AQ590
1,1-Dichloroethene	5.8	2.0	µg/L	2	4/11/2019 2:17:00 AM	AQ590
1,2-Dichloropropane	ND	2.0	µg/L	2	4/11/2019 2:17:00 AM	AQ590
1,3-Dichloropropane	ND	2.0	µg/L	2	4/11/2019 2:17:00 AM	AQ590
2,2-Dichloropropane	ND	4.0	µg/L	2	4/11/2019 2:17:00 AM	AQ590
1,1-Dichloropropene	ND	2.0	µg/L	2	4/11/2019 2:17:00 AM	AQ590
Hexachlorobutadiene	ND	2.0	µg/L	2	4/11/2019 2:17:00 AM	AQ590
2-Hexanone	ND	20	µg/L	2	4/11/2019 2:17:00 AM	AQ590
Isopropylbenzene	ND	2.0	µg/L	2	4/11/2019 2:17:00 AM	AQ590
4-Isopropyltoluene	ND	2.0	µg/L	2	4/11/2019 2:17:00 AM	AQ590
4-Methyl-2-pentanone	ND	20	µg/L	2	4/11/2019 2:17:00 AM	AQ590
Methylene Chloride	ND	6.0	µg/L	2	4/11/2019 2:17:00 AM	AQ590
n-Butylbenzene	ND	6.0	µg/L	2	4/11/2019 2:17:00 AM	AQ590
n-Propylbenzene	ND	2.0	µg/L	2	4/11/2019 2:17:00 AM	AQ590
sec-Butylbenzene	ND	2.0	µg/L	2	4/11/2019 2:17:00 AM	AQ590
Styrene	ND	2.0	µg/L	2	4/11/2019 2:17:00 AM	AQ590
tert-Butylbenzene	ND	2.0	µg/L	2	4/11/2019 2:17:00 AM	AQ590
1,1,1,2-Tetrachloroethane	ND	2.0	µg/L	2	4/11/2019 2:17:00 AM	AQ590
1,1,2,2-Tetrachloroethane	ND	4.0	µg/L	2	4/11/2019 2:17:00 AM	AQ590
Tetrachloroethene (PCE)	ND	2.0	µg/L	2	4/11/2019 2:17:00 AM	AQ590
trans-1,2-DCE	ND	2.0	µg/L	2	4/11/2019 2:17:00 AM	AQ590
trans-1,3-Dichloropropene	ND	2.0	µg/L	2	4/11/2019 2:17:00 AM	AQ590
1,2,3-Trichlorobenzene	ND	2.0	µg/L	2	4/11/2019 2:17:00 AM	AQ590
1,2,4-Trichlorobenzene	ND	2.0	µg/L	2	4/11/2019 2:17:00 AM	AQ590
1,1,1-Trichloroethane	ND	2.0	µg/L	2	4/11/2019 2:17:00 AM	AQ590
1,1,2-Trichloroethane	ND	2.0	µg/L	2	4/11/2019 2:17:00 AM	AQ590
Trichloroethene (TCE)	ND	2.0	µg/L	2	4/11/2019 2:17:00 AM	AQ590
Trichlorofluoromethane	ND	2.0	µg/L	2	4/11/2019 2:17:00 AM	AQ590
1,2,3-Trichloropropane	ND	4.0	µg/L	2	4/11/2019 2:17:00 AM	AQ590
Vinyl chloride	2.2	2.0	µg/L	2	4/11/2019 2:17:00 AM	AQ590
Xylenes, Total	ND	3.0	µg/L	2	4/11/2019 2:17:00 AM	AQ590

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

Qualifiers:

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

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD **Lab Order:** 1904342
Project: Laguna

EPA METHOD 8260B: VOLATILES Analyst: **RAA**

Surr: 1,2-Dichloroethane-d4	99.9	70-130	%Rec	2	4/11/2019 2:17:00 AM	AQ590
Surr: 4-Bromofluorobenzene	97.1	70-130	%Rec	2	4/11/2019 2:17:00 AM	AQ590
Surr: Dibromofluoromethane	99.5	70-130	%Rec	2	4/11/2019 2:17:00 AM	AQ590
Surr: Toluene-d8	94.0	70-130	%Rec	2	4/11/2019 2:17:00 AM	AQ590

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 Limit
S	% Recovery outside of range due to dilution or matrix		

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD **Lab Order:** 1904342
Project: Laguna

Lab ID: 1904342-016 **Collection Date:** 4/4/2019 11:55:00 AM
Client Sample ID: GW-086241-040419-CM-6-22B **Matrix:** AQUEOUS

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch ID
EPA METHOD 9060 TOC						Analyst: **DAM**	
Total Organic Carbon	23	1.0		mg/L	1	4/9/2019 10:24:19 PM	R59019
EPA METHOD 300.0: ANIONS						Analyst: **MRA**	
Nitrogen, Nitrate (As N)	ND	0.50		mg/L	5	4/5/2019 7:15:53 PM	R58946
Sulfate	1000	25	*	mg/L	50	4/16/2019 12:27:29 AM	A59171
EPA METHOD 8082A: PCB'S						Analyst: **TOM**	
Aroclor 1016	0.76	0.25		µg/L	1	4/17/2019 3:09:18 PM	44287
Aroclor 1221	ND	0.25		µg/L	1	4/17/2019 3:09:18 PM	44287
Aroclor 1232	ND	0.25		µg/L	1	4/17/2019 3:09:18 PM	44287
Aroclor 1242	ND	0.25		µg/L	1	4/17/2019 3:09:18 PM	44287
Aroclor 1248	ND	0.25		µg/L	1	4/17/2019 3:09:18 PM	44287
Aroclor 1254	ND	0.25		µg/L	1	4/17/2019 3:09:18 PM	44287
Aroclor 1260	ND	0.25		µg/L	1	4/17/2019 3:09:18 PM	44287
Surr: Decachlorobiphenyl	71.2	24.8-102		%Rec	1	4/17/2019 3:09:18 PM	44287
Surr: Tetrachloro-m-xylene	20.4	15.6-106		%Rec	1	4/17/2019 3:09:18 PM	44287
EPA METHOD 8260B: VOLATILES						Analyst: **RAA**	
Benzene	1.1	1.0		µg/L	1	4/11/2019 2:41:00 AM	AQ590
Toluene	ND	1.0		µg/L	1	4/11/2019 2:41:00 AM	AQ590
Ethylbenzene	ND	1.0		µg/L	1	4/11/2019 2:41:00 AM	AQ590
Methyl tert-butyl ether (MTBE)	ND	1.0		µg/L	1	4/11/2019 2:41:00 AM	AQ590
1,2,4-Trimethylbenzene	ND	1.0		µg/L	1	4/11/2019 2:41:00 AM	AQ590
1,3,5-Trimethylbenzene	ND	1.0		µg/L	1	4/11/2019 2:41:00 AM	AQ590
1,2-Dichloroethane (EDC)	ND	1.0		µg/L	1	4/11/2019 2:41:00 AM	AQ590
1,2-Dibromoethane (EDB)	ND	1.0		µg/L	1	4/11/2019 2:41:00 AM	AQ590
Naphthalene	ND	2.0		µg/L	1	4/11/2019 2:41:00 AM	AQ590
1-Methylnaphthalene	ND	4.0		µg/L	1	4/11/2019 2:41:00 AM	AQ590
2-Methylnaphthalene	ND	4.0		µg/L	1	4/11/2019 2:41:00 AM	AQ590
Acetone	82	10		µg/L	1	4/11/2019 2:41:00 AM	AQ590
Bromobenzene	ND	1.0		µg/L	1	4/11/2019 2:41:00 AM	AQ590
Bromodichloromethane	ND	1.0		µg/L	1	4/11/2019 2:41:00 AM	AQ590
Bromoform	ND	1.0		µg/L	1	4/11/2019 2:41:00 AM	AQ590
Bromomethane	ND	3.0		µg/L	1	4/11/2019 2:41:00 AM	AQ590
2-Butanone	ND	10		µg/L	1	4/11/2019 2:41:00 AM	AQ590
Carbon disulfide	ND	10		µg/L	1	4/11/2019 2:41:00 AM	AQ590
Carbon Tetrachloride	ND	1.0		µg/L	1	4/11/2019 2:41:00 AM	AQ590
Chlorobenzene	ND	1.0		µg/L	1	4/11/2019 2:41:00 AM	AQ590
Chloroethane	ND	2.0		µg/L	1	4/11/2019 2:41:00 AM	AQ590
Chloroform	ND	1.0		µg/L	1	4/11/2019 2:41:00 AM	AQ590

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 Limit
S	% Recovery outside of range due to dilution or matrix		

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD **Lab Order:** 1904342
Project: Laguna

EPA METHOD 8260B: VOLATILES

Analyst: **RAA**

Chloromethane	ND	3.0	µg/L	1	4/11/2019 2:41:00 AM	AQ590
2-Chlorotoluene	ND	1.0	µg/L	1	4/11/2019 2:41:00 AM	AQ590
4-Chlorotoluene	ND	1.0	µg/L	1	4/11/2019 2:41:00 AM	AQ590
cis-1,2-DCE	ND	1.0	µg/L	1	4/11/2019 2:41:00 AM	AQ590
cis-1,3-Dichloropropene	ND	1.0	µg/L	1	4/11/2019 2:41:00 AM	AQ590
1,2-Dibromo-3-chloropropane	ND	2.0	µg/L	1	4/11/2019 2:41:00 AM	AQ590
Dibromochloromethane	ND	1.0	µg/L	1	4/11/2019 2:41:00 AM	AQ590
Dibromomethane	ND	1.0	µg/L	1	4/11/2019 2:41:00 AM	AQ590
1,2-Dichlorobenzene	ND	1.0	µg/L	1	4/11/2019 2:41:00 AM	AQ590
1,3-Dichlorobenzene	ND	1.0	µg/L	1	4/11/2019 2:41:00 AM	AQ590
1,4-Dichlorobenzene	ND	1.0	µg/L	1	4/11/2019 2:41:00 AM	AQ590
Dichlorodifluoromethane	ND	1.0	µg/L	1	4/11/2019 2:41:00 AM	AQ590
1,1-Dichloroethane	ND	1.0	µg/L	1	4/11/2019 2:41:00 AM	AQ590
1,1-Dichloroethene	ND	1.0	µg/L	1	4/11/2019 2:41:00 AM	AQ590
1,2-Dichloropropane	ND	1.0	µg/L	1	4/11/2019 2:41:00 AM	AQ590
1,3-Dichloropropane	ND	1.0	µg/L	1	4/11/2019 2:41:00 AM	AQ590
2,2-Dichloropropane	ND	2.0	µg/L	1	4/11/2019 2:41:00 AM	AQ590
1,1-Dichloropropene	ND	1.0	µg/L	1	4/11/2019 2:41:00 AM	AQ590
Hexachlorobutadiene	ND	1.0	µg/L	1	4/11/2019 2:41:00 AM	AQ590
2-Hexanone	ND	10	µg/L	1	4/11/2019 2:41:00 AM	AQ590
Isopropylbenzene	ND	1.0	µg/L	1	4/11/2019 2:41:00 AM	AQ590
4-Isopropyltoluene	ND	1.0	µg/L	1	4/11/2019 2:41:00 AM	AQ590
4-Methyl-2-pentanone	ND	10	µg/L	1	4/11/2019 2:41:00 AM	AQ590
Methylene Chloride	ND	3.0	µg/L	1	4/11/2019 2:41:00 AM	AQ590
n-Butylbenzene	ND	3.0	µg/L	1	4/11/2019 2:41:00 AM	AQ590
n-Propylbenzene	ND	1.0	µg/L	1	4/11/2019 2:41:00 AM	AQ590
sec-Butylbenzene	ND	1.0	µg/L	1	4/11/2019 2:41:00 AM	AQ590
Styrene	ND	1.0	µg/L	1	4/11/2019 2:41:00 AM	AQ590
tert-Butylbenzene	ND	1.0	µg/L	1	4/11/2019 2:41:00 AM	AQ590
1,1,1,2-Tetrachloroethane	ND	1.0	µg/L	1	4/11/2019 2:41:00 AM	AQ590
1,1,2,2-Tetrachloroethane	ND	2.0	µg/L	1	4/11/2019 2:41:00 AM	AQ590
Tetrachloroethene (PCE)	ND	1.0	µg/L	1	4/11/2019 2:41:00 AM	AQ590
trans-1,2-DCE	ND	1.0	µg/L	1	4/11/2019 2:41:00 AM	AQ590
trans-1,3-Dichloropropene	ND	1.0	µg/L	1	4/11/2019 2:41:00 AM	AQ590
1,2,3-Trichlorobenzene	ND	1.0	µg/L	1	4/11/2019 2:41:00 AM	AQ590
1,2,4-Trichlorobenzene	ND	1.0	µg/L	1	4/11/2019 2:41:00 AM	AQ590
1,1,1-Trichloroethane	ND	1.0	µg/L	1	4/11/2019 2:41:00 AM	AQ590
1,1,2-Trichloroethane	ND	1.0	µg/L	1	4/11/2019 2:41:00 AM	AQ590
Trichloroethene (TCE)	ND	1.0	µg/L	1	4/11/2019 2:41:00 AM	AQ590
Trichlorofluoromethane	ND	1.0	µg/L	1	4/11/2019 2:41:00 AM	AQ590
1,2,3-Trichloropropane	ND	2.0	µg/L	1	4/11/2019 2:41:00 AM	AQ590
Vinyl chloride	ND	1.0	µg/L	1	4/11/2019 2:41:00 AM	AQ590
Xylenes, Total	ND	1.5	µg/L	1	4/11/2019 2:41:00 AM	AQ590

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

Qualifiers:

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

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD **Lab Order:** 1904342
Project: Laguna

EPA METHOD 8260B: VOLATILES Analyst: **RAA**

Surr: 1,2-Dichloroethane-d4	103	70-130	%Rec	1	4/11/2019 2:41:00 AM	AQ590
Surr: 4-Bromofluorobenzene	98.1	70-130	%Rec	1	4/11/2019 2:41:00 AM	AQ590
Surr: Dibromofluoromethane	98.7	70-130	%Rec	1	4/11/2019 2:41:00 AM	AQ590
Surr: Toluene-d8	94.1	70-130	%Rec	1	4/11/2019 2:41:00 AM	AQ590

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

Qualifiers:

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

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD **Lab Order:** 1904342
Project: Laguna

Lab ID: 1904342-017 **Collection Date:** 4/4/2019 12:00:00 PM
Client Sample ID: GW-086241-040419-CM-6-22C **Matrix:** AQUEOUS

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch ID
EPA METHOD 9060 TOC						Analyst: **DAM**	
Total Organic Carbon	19	1.0		mg/L	1	4/9/2019 10:45:37 PM	R59019
EPA METHOD 300.0: ANIONS						Analyst: **MRA**	
Nitrogen, Nitrate (As N)	ND	0.50		mg/L	5	4/5/2019 8:05:33 PM	R58946
Sulfate	350	10	*	mg/L	20	4/5/2019 8:17:57 PM	R58946
EPA METHOD 8082A: PCB'S						Analyst: **TOM**	
Aroclor 1016	440	2.5		µg/L	10	4/18/2019 1:38:07 PM	44287
Aroclor 1221	ND	2.5		µg/L	10	4/18/2019 1:38:07 PM	44287
Aroclor 1232	ND	2.5		µg/L	10	4/18/2019 1:38:07 PM	44287
Aroclor 1242	ND	2.5		µg/L	10	4/18/2019 1:38:07 PM	44287
Aroclor 1248	ND	2.5		µg/L	10	4/18/2019 1:38:07 PM	44287
Aroclor 1254	ND	2.5		µg/L	10	4/18/2019 1:38:07 PM	44287
Aroclor 1260	ND	2.5		µg/L	10	4/18/2019 1:38:07 PM	44287
Surr: Decachlorobiphenyl	0	24.8-102	S	%Rec	10	4/18/2019 1:38:07 PM	44287
Surr: Tetrachloro-m-xylene	0	15.6-106	S	%Rec	10	4/18/2019 1:38:07 PM	44287
EPA METHOD 8260B: VOLATILES						Analyst: **RAA**	
Benzene	3.8	1.0		µg/L	1	4/11/2019 3:05:00 AM	AQ590
Toluene	1.3	1.0		µg/L	1	4/11/2019 3:05:00 AM	AQ590
Ethylbenzene	5.2	1.0		µg/L	1	4/11/2019 3:05:00 AM	AQ590
Methyl tert-butyl ether (MTBE)	ND	1.0		µg/L	1	4/11/2019 3:05:00 AM	AQ590
1,2,4-Trimethylbenzene	16	1.0		µg/L	1	4/11/2019 3:05:00 AM	AQ590
1,3,5-Trimethylbenzene	ND	1.0		µg/L	1	4/11/2019 3:05:00 AM	AQ590
1,2-Dichloroethane (EDC)	ND	1.0		µg/L	1	4/11/2019 3:05:00 AM	AQ590
1,2-Dibromoethane (EDB)	ND	1.0		µg/L	1	4/11/2019 3:05:00 AM	AQ590
Naphthalene	5.2	2.0		µg/L	1	4/11/2019 3:05:00 AM	AQ590
1-Methylnaphthalene	9.5	4.0		µg/L	1	4/11/2019 3:05:00 AM	AQ590
2-Methylnaphthalene	10	4.0		µg/L	1	4/11/2019 3:05:00 AM	AQ590
Acetone	ND	10		µg/L	1	4/11/2019 3:05:00 AM	AQ590
Bromobenzene	ND	1.0		µg/L	1	4/11/2019 3:05:00 AM	AQ590
Bromodichloromethane	ND	1.0		µg/L	1	4/11/2019 3:05:00 AM	AQ590
Bromoform	ND	1.0		µg/L	1	4/11/2019 3:05:00 AM	AQ590
Bromomethane	ND	3.0		µg/L	1	4/11/2019 3:05:00 AM	AQ590
2-Butanone	ND	10		µg/L	1	4/11/2019 3:05:00 AM	AQ590
Carbon disulfide	ND	10		µg/L	1	4/11/2019 3:05:00 AM	AQ590
Carbon Tetrachloride	ND	1.0		µg/L	1	4/11/2019 3:05:00 AM	AQ590
Chlorobenzene	ND	1.0		µg/L	1	4/11/2019 3:05:00 AM	AQ590
Chloroethane	ND	2.0		µg/L	1	4/11/2019 3:05:00 AM	AQ590
Chloroform	ND	1.0		µg/L	1	4/11/2019 3:05:00 AM	AQ590

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 Limit
S	% Recovery outside of range due to dilution or matrix		

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD **Lab Order:** 1904342
Project: Laguna

EPA METHOD 8260B: VOLATILES

Analyst: **RAA**

Chloromethane	ND	3.0	µg/L	1	4/11/2019 3:05:00 AM	AQ590
2-Chlorotoluene	ND	1.0	µg/L	1	4/11/2019 3:05:00 AM	AQ590
4-Chlorotoluene	ND	1.0	µg/L	1	4/11/2019 3:05:00 AM	AQ590
cis-1,2-DCE	ND	1.0	µg/L	1	4/11/2019 3:05:00 AM	AQ590
cis-1,3-Dichloropropene	ND	1.0	µg/L	1	4/11/2019 3:05:00 AM	AQ590
1,2-Dibromo-3-chloropropane	ND	2.0	µg/L	1	4/11/2019 3:05:00 AM	AQ590
Dibromochloromethane	ND	1.0	µg/L	1	4/11/2019 3:05:00 AM	AQ590
Dibromomethane	ND	1.0	µg/L	1	4/11/2019 3:05:00 AM	AQ590
1,2-Dichlorobenzene	ND	1.0	µg/L	1	4/11/2019 3:05:00 AM	AQ590
1,3-Dichlorobenzene	ND	1.0	µg/L	1	4/11/2019 3:05:00 AM	AQ590
1,4-Dichlorobenzene	ND	1.0	µg/L	1	4/11/2019 3:05:00 AM	AQ590
Dichlorodifluoromethane	ND	1.0	µg/L	1	4/11/2019 3:05:00 AM	AQ590
1,1-Dichloroethane	46	1.0	µg/L	1	4/11/2019 3:05:00 AM	AQ590
1,1-Dichloroethene	22	1.0	µg/L	1	4/11/2019 3:05:00 AM	AQ590
1,2-Dichloropropane	ND	1.0	µg/L	1	4/11/2019 3:05:00 AM	AQ590
1,3-Dichloropropane	ND	1.0	µg/L	1	4/11/2019 3:05:00 AM	AQ590
2,2-Dichloropropane	ND	2.0	µg/L	1	4/11/2019 3:05:00 AM	AQ590
1,1-Dichloropropene	ND	1.0	µg/L	1	4/11/2019 3:05:00 AM	AQ590
Hexachlorobutadiene	ND	1.0	µg/L	1	4/11/2019 3:05:00 AM	AQ590
2-Hexanone	ND	10	µg/L	1	4/11/2019 3:05:00 AM	AQ590
Isopropylbenzene	1.8	1.0	µg/L	1	4/11/2019 3:05:00 AM	AQ590
4-Isopropyltoluene	ND	1.0	µg/L	1	4/11/2019 3:05:00 AM	AQ590
4-Methyl-2-pentanone	ND	10	µg/L	1	4/11/2019 3:05:00 AM	AQ590
Methylene Chloride	ND	3.0	µg/L	1	4/11/2019 3:05:00 AM	AQ590
n-Butylbenzene	ND	3.0	µg/L	1	4/11/2019 3:05:00 AM	AQ590
n-Propylbenzene	2.5	1.0	µg/L	1	4/11/2019 3:05:00 AM	AQ590
sec-Butylbenzene	ND	1.0	µg/L	1	4/11/2019 3:05:00 AM	AQ590
Styrene	ND	1.0	µg/L	1	4/11/2019 3:05:00 AM	AQ590
tert-Butylbenzene	ND	1.0	µg/L	1	4/11/2019 3:05:00 AM	AQ590
1,1,1,2-Tetrachloroethane	ND	1.0	µg/L	1	4/11/2019 3:05:00 AM	AQ590
1,1,2,2-Tetrachloroethane	ND	2.0	µg/L	1	4/11/2019 3:05:00 AM	AQ590
Tetrachloroethene (PCE)	ND	1.0	µg/L	1	4/11/2019 3:05:00 AM	AQ590
trans-1,2-DCE	ND	1.0	µg/L	1	4/11/2019 3:05:00 AM	AQ590
trans-1,3-Dichloropropene	ND	1.0	µg/L	1	4/11/2019 3:05:00 AM	AQ590
1,2,3-Trichlorobenzene	ND	1.0	µg/L	1	4/11/2019 3:05:00 AM	AQ590
1,2,4-Trichlorobenzene	ND	1.0	µg/L	1	4/11/2019 3:05:00 AM	AQ590
1,1,1-Trichloroethane	1.2	1.0	µg/L	1	4/11/2019 3:05:00 AM	AQ590
1,1,2-Trichloroethane	ND	1.0	µg/L	1	4/11/2019 3:05:00 AM	AQ590
Trichloroethene (TCE)	ND	1.0	µg/L	1	4/11/2019 3:05:00 AM	AQ590
Trichlorofluoromethane	ND	1.0	µg/L	1	4/11/2019 3:05:00 AM	AQ590
1,2,3-Trichloropropane	ND	2.0	µg/L	1	4/11/2019 3:05:00 AM	AQ590
Vinyl chloride	1.3	1.0	µg/L	1	4/11/2019 3:05:00 AM	AQ590
Xylenes, Total	20	1.5	µg/L	1	4/11/2019 3:05:00 AM	AQ590

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 Limit
S	% Recovery outside of range due to dilution or matrix		

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD **Lab Order:** 1904342
Project: Laguna

EPA METHOD 8260B: VOLATILES Analyst: **RAA**

Surr: 1,2-Dichloroethane-d4	98.0	70-130	%Rec	1	4/11/2019 3:05:00 AM	AQ590
Surr: 4-Bromofluorobenzene	101	70-130	%Rec	1	4/11/2019 3:05:00 AM	AQ590
Surr: Dibromofluoromethane	96.9	70-130	%Rec	1	4/11/2019 3:05:00 AM	AQ590
Surr: Toluene-d8	95.5	70-130	%Rec	1	4/11/2019 3:05:00 AM	AQ590

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 Limit
S	% Recovery outside of range due to dilution or matrix		

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD **Lab Order:** 1904342
Project: Laguna

Lab ID: 1904342-018 **Collection Date:** 4/4/2019 12:40:00 PM
Client Sample ID: GW-086241-040419-CM-6-40 **Matrix:** AQUEOUS

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch ID
EPA METHOD 8082A: PCB'S						Analyst: **TOM**	
Aroclor 1016	22	0.25		µg/L	1	4/17/2019 4:15:20 PM	44287
Aroclor 1221	ND	0.25		µg/L	1	4/17/2019 4:15:20 PM	44287
Aroclor 1232	ND	0.25		µg/L	1	4/17/2019 4:15:20 PM	44287
Aroclor 1242	ND	0.25		µg/L	1	4/17/2019 4:15:20 PM	44287
Aroclor 1248	ND	0.25		µg/L	1	4/17/2019 4:15:20 PM	44287
Aroclor 1254	ND	0.25		µg/L	1	4/17/2019 4:15:20 PM	44287
Aroclor 1260	ND	0.25		µg/L	1	4/17/2019 4:15:20 PM	44287
Surr: Decachlorobiphenyl	66.8	24.8-102		%Rec	1	4/17/2019 4:15:20 PM	44287
Surr: Tetrachloro-m-xylene	41.2	15.6-106		%Rec	1	4/17/2019 4:15:20 PM	44287
EPA METHOD 8260B: VOLATILES						Analyst: **RAA**	
Benzene	1.2	1.0		µg/L	1	4/11/2019 4:17:00 AM	AQ590
Toluene	ND	1.0		µg/L	1	4/11/2019 4:17:00 AM	AQ590
Ethylbenzene	ND	1.0		µg/L	1	4/11/2019 4:17:00 AM	AQ590
Methyl tert-butyl ether (MTBE)	ND	1.0		µg/L	1	4/11/2019 4:17:00 AM	AQ590
1,2,4-Trimethylbenzene	1.0	1.0		µg/L	1	4/11/2019 4:17:00 AM	AQ590
1,3,5-Trimethylbenzene	ND	1.0		µg/L	1	4/11/2019 4:17:00 AM	AQ590
1,2-Dichloroethane (EDC)	ND	1.0		µg/L	1	4/11/2019 4:17:00 AM	AQ590
1,2-Dibromoethane (EDB)	ND	1.0		µg/L	1	4/11/2019 4:17:00 AM	AQ590
Naphthalene	ND	2.0		µg/L	1	4/11/2019 4:17:00 AM	AQ590
1-Methylnaphthalene	ND	4.0		µg/L	1	4/11/2019 4:17:00 AM	AQ590
2-Methylnaphthalene	ND	4.0		µg/L	1	4/11/2019 4:17:00 AM	AQ590
Acetone	ND	10		µg/L	1	4/11/2019 4:17:00 AM	AQ590
Bromobenzene	ND	1.0		µg/L	1	4/11/2019 4:17:00 AM	AQ590
Bromodichloromethane	ND	1.0		µg/L	1	4/11/2019 4:17:00 AM	AQ590
Bromoform	ND	1.0		µg/L	1	4/11/2019 4:17:00 AM	AQ590
Bromomethane	ND	3.0		µg/L	1	4/11/2019 4:17:00 AM	AQ590
2-Butanone	ND	10		µg/L	1	4/11/2019 4:17:00 AM	AQ590
Carbon disulfide	ND	10		µg/L	1	4/11/2019 4:17:00 AM	AQ590
Carbon Tetrachloride	ND	1.0		µg/L	1	4/11/2019 4:17:00 AM	AQ590
Chlorobenzene	ND	1.0		µg/L	1	4/11/2019 4:17:00 AM	AQ590
Chloroethane	ND	2.0		µg/L	1	4/11/2019 4:17:00 AM	AQ590
Chloroform	ND	1.0		µg/L	1	4/11/2019 4:17:00 AM	AQ590
Chloromethane	ND	3.0		µg/L	1	4/11/2019 4:17:00 AM	AQ590
2-Chlorotoluene	ND	1.0		µg/L	1	4/11/2019 4:17:00 AM	AQ590
4-Chlorotoluene	ND	1.0		µg/L	1	4/11/2019 4:17:00 AM	AQ590
cis-1,2-DCE	ND	1.0		µg/L	1	4/11/2019 4:17:00 AM	AQ590
cis-1,3-Dichloropropene	ND	1.0		µg/L	1	4/11/2019 4:17:00 AM	AQ590
1,2-Dibromo-3-chloropropane	ND	2.0		µg/L	1	4/11/2019 4:17:00 AM	AQ590

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 Limit
S	% Recovery outside of range due to dilution or matrix		

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD **Lab Order:** 1904342
Project: Laguna

EPA METHOD 8260B: VOLATILES

Analyst: **RAA**

Dibromochloromethane	ND	1.0	µg/L	1	4/11/2019 4:17:00 AM	AQ590
Dibromomethane	ND	1.0	µg/L	1	4/11/2019 4:17:00 AM	AQ590
1,2-Dichlorobenzene	ND	1.0	µg/L	1	4/11/2019 4:17:00 AM	AQ590
1,3-Dichlorobenzene	ND	1.0	µg/L	1	4/11/2019 4:17:00 AM	AQ590
1,4-Dichlorobenzene	ND	1.0	µg/L	1	4/11/2019 4:17:00 AM	AQ590
Dichlorodifluoromethane	ND	1.0	µg/L	1	4/11/2019 4:17:00 AM	AQ590
1,1-Dichloroethane	61	1.0	µg/L	1	4/11/2019 4:17:00 AM	AQ590
1,1-Dichloroethene	23	1.0	µg/L	1	4/11/2019 4:17:00 AM	AQ590
1,2-Dichloropropane	ND	1.0	µg/L	1	4/11/2019 4:17:00 AM	AQ590
1,3-Dichloropropane	ND	1.0	µg/L	1	4/11/2019 4:17:00 AM	AQ590
2,2-Dichloropropane	ND	2.0	µg/L	1	4/11/2019 4:17:00 AM	AQ590
1,1-Dichloropropene	ND	1.0	µg/L	1	4/11/2019 4:17:00 AM	AQ590
Hexachlorobutadiene	ND	1.0	µg/L	1	4/11/2019 4:17:00 AM	AQ590
2-Hexanone	ND	10	µg/L	1	4/11/2019 4:17:00 AM	AQ590
Isopropylbenzene	ND	1.0	µg/L	1	4/11/2019 4:17:00 AM	AQ590
4-Isopropyltoluene	ND	1.0	µg/L	1	4/11/2019 4:17:00 AM	AQ590
4-Methyl-2-pentanone	ND	10	µg/L	1	4/11/2019 4:17:00 AM	AQ590
Methylene Chloride	ND	3.0	µg/L	1	4/11/2019 4:17:00 AM	AQ590
n-Butylbenzene	ND	3.0	µg/L	1	4/11/2019 4:17:00 AM	AQ590
n-Propylbenzene	ND	1.0	µg/L	1	4/11/2019 4:17:00 AM	AQ590
sec-Butylbenzene	ND	1.0	µg/L	1	4/11/2019 4:17:00 AM	AQ590
Styrene	ND	1.0	µg/L	1	4/11/2019 4:17:00 AM	AQ590
tert-Butylbenzene	ND	1.0	µg/L	1	4/11/2019 4:17:00 AM	AQ590
1,1,1,2-Tetrachloroethane	ND	1.0	µg/L	1	4/11/2019 4:17:00 AM	AQ590
1,1,2,2-Tetrachloroethane	ND	2.0	µg/L	1	4/11/2019 4:17:00 AM	AQ590
Tetrachloroethene (PCE)	ND	1.0	µg/L	1	4/11/2019 4:17:00 AM	AQ590
trans-1,2-DCE	ND	1.0	µg/L	1	4/11/2019 4:17:00 AM	AQ590
trans-1,3-Dichloropropene	ND	1.0	µg/L	1	4/11/2019 4:17:00 AM	AQ590
1,2,3-Trichlorobenzene	ND	1.0	µg/L	1	4/11/2019 4:17:00 AM	AQ590
1,2,4-Trichlorobenzene	ND	1.0	µg/L	1	4/11/2019 4:17:00 AM	AQ590
1,1,1-Trichloroethane	ND	1.0	µg/L	1	4/11/2019 4:17:00 AM	AQ590
1,1,2-Trichloroethane	ND	1.0	µg/L	1	4/11/2019 4:17:00 AM	AQ590
Trichloroethene (TCE)	1.1	1.0	µg/L	1	4/11/2019 4:17:00 AM	AQ590
Trichlorofluoromethane	ND	1.0	µg/L	1	4/11/2019 4:17:00 AM	AQ590
1,2,3-Trichloropropane	ND	2.0	µg/L	1	4/11/2019 4:17:00 AM	AQ590
Vinyl chloride	ND	1.0	µg/L	1	4/11/2019 4:17:00 AM	AQ590
Xylenes, Total	ND	1.5	µg/L	1	4/11/2019 4:17:00 AM	AQ590
Surr: 1,2-Dichloroethane-d4	99.9	70-130	%Rec	1	4/11/2019 4:17:00 AM	AQ590
Surr: 4-Bromofluorobenzene	99.0	70-130	%Rec	1	4/11/2019 4:17:00 AM	AQ590
Surr: Dibromofluoromethane	98.4	70-130	%Rec	1	4/11/2019 4:17:00 AM	AQ590
Surr: Toluene-d8	95.9	70-130	%Rec	1	4/11/2019 4:17:00 AM	AQ590

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

Qualifiers:

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

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD **Lab Order:** 1904342
Project: Laguna

Lab ID: 1904342-019 **Collection Date:** 4/4/2019 12:50:00 PM
Client Sample ID: GW-086241-040419-CM-6-12 **Matrix:** AQUEOUS

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch ID
EPA METHOD 8082A: PCB'S						Analyst: **TOM**	
Aroclor 1016	ND	0.25		µg/L	1	4/17/2019 4:48:22 PM	44287
Aroclor 1221	ND	0.25		µg/L	1	4/17/2019 4:48:22 PM	44287
Aroclor 1232	ND	0.25		µg/L	1	4/17/2019 4:48:22 PM	44287
Aroclor 1242	ND	0.25		µg/L	1	4/17/2019 4:48:22 PM	44287
Aroclor 1248	ND	0.25		µg/L	1	4/17/2019 4:48:22 PM	44287
Aroclor 1254	ND	0.25		µg/L	1	4/17/2019 4:48:22 PM	44287
Aroclor 1260	ND	0.25		µg/L	1	4/17/2019 4:48:22 PM	44287
Surr: Decachlorobiphenyl	74.0	24.8-102		%Rec	1	4/17/2019 4:48:22 PM	44287
Surr: Tetrachloro-m-xylene	21.6	15.6-106		%Rec	1	4/17/2019 4:48:22 PM	44287
EPA METHOD 8260B: VOLATILES						Analyst: **RAA**	
Benzene	ND	1.0		µg/L	1	4/11/2019 4:41:00 AM	AQ590
Toluene	ND	1.0		µg/L	1	4/11/2019 4:41:00 AM	AQ590
Ethylbenzene	ND	1.0		µg/L	1	4/11/2019 4:41:00 AM	AQ590
Methyl tert-butyl ether (MTBE)	ND	1.0		µg/L	1	4/11/2019 4:41:00 AM	AQ590
1,2,4-Trimethylbenzene	ND	1.0		µg/L	1	4/11/2019 4:41:00 AM	AQ590
1,3,5-Trimethylbenzene	ND	1.0		µg/L	1	4/11/2019 4:41:00 AM	AQ590
1,2-Dichloroethane (EDC)	ND	1.0		µg/L	1	4/11/2019 4:41:00 AM	AQ590
1,2-Dibromoethane (EDB)	ND	1.0		µg/L	1	4/11/2019 4:41:00 AM	AQ590
Naphthalene	ND	2.0		µg/L	1	4/11/2019 4:41:00 AM	AQ590
1-Methylnaphthalene	ND	4.0		µg/L	1	4/11/2019 4:41:00 AM	AQ590
2-Methylnaphthalene	ND	4.0		µg/L	1	4/11/2019 4:41:00 AM	AQ590
Acetone	ND	10		µg/L	1	4/11/2019 4:41:00 AM	AQ590
Bromobenzene	ND	1.0		µg/L	1	4/11/2019 4:41:00 AM	AQ590
Bromodichloromethane	ND	1.0		µg/L	1	4/11/2019 4:41:00 AM	AQ590
Bromoform	ND	1.0		µg/L	1	4/11/2019 4:41:00 AM	AQ590
Bromomethane	ND	3.0		µg/L	1	4/11/2019 4:41:00 AM	AQ590
2-Butanone	ND	10		µg/L	1	4/11/2019 4:41:00 AM	AQ590
Carbon disulfide	ND	10		µg/L	1	4/11/2019 4:41:00 AM	AQ590
Carbon Tetrachloride	ND	1.0		µg/L	1	4/11/2019 4:41:00 AM	AQ590
Chlorobenzene	ND	1.0		µg/L	1	4/11/2019 4:41:00 AM	AQ590
Chloroethane	ND	2.0		µg/L	1	4/11/2019 4:41:00 AM	AQ590
Chloroform	ND	1.0		µg/L	1	4/11/2019 4:41:00 AM	AQ590
Chloromethane	ND	3.0		µg/L	1	4/11/2019 4:41:00 AM	AQ590
2-Chlorotoluene	ND	1.0		µg/L	1	4/11/2019 4:41:00 AM	AQ590
4-Chlorotoluene	ND	1.0		µg/L	1	4/11/2019 4:41:00 AM	AQ590
cis-1,2-DCE	ND	1.0		µg/L	1	4/11/2019 4:41:00 AM	AQ590
cis-1,3-Dichloropropene	ND	1.0		µg/L	1	4/11/2019 4:41:00 AM	AQ590
1,2-Dibromo-3-chloropropane	ND	2.0		µg/L	1	4/11/2019 4:41:00 AM	AQ590

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 Limit
S	% Recovery outside of range due to dilution or matrix		

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD **Lab Order:** 1904342
Project: Laguna

EPA METHOD 8260B: VOLATILES Analyst: **RAA**

Dibromochloromethane	ND	1.0	µg/L	1	4/11/2019 4:41:00 AM	AQ590
Dibromomethane	ND	1.0	µg/L	1	4/11/2019 4:41:00 AM	AQ590
1,2-Dichlorobenzene	ND	1.0	µg/L	1	4/11/2019 4:41:00 AM	AQ590
1,3-Dichlorobenzene	ND	1.0	µg/L	1	4/11/2019 4:41:00 AM	AQ590
1,4-Dichlorobenzene	ND	1.0	µg/L	1	4/11/2019 4:41:00 AM	AQ590
Dichlorodifluoromethane	ND	1.0	µg/L	1	4/11/2019 4:41:00 AM	AQ590
1,1-Dichloroethane	48	1.0	µg/L	1	4/11/2019 4:41:00 AM	AQ590
1,1-Dichloroethene	16	1.0	µg/L	1	4/11/2019 4:41:00 AM	AQ590
1,2-Dichloropropane	ND	1.0	µg/L	1	4/11/2019 4:41:00 AM	AQ590
1,3-Dichloropropane	ND	1.0	µg/L	1	4/11/2019 4:41:00 AM	AQ590
2,2-Dichloropropane	ND	2.0	µg/L	1	4/11/2019 4:41:00 AM	AQ590
1,1-Dichloropropene	ND	1.0	µg/L	1	4/11/2019 4:41:00 AM	AQ590
Hexachlorobutadiene	ND	1.0	µg/L	1	4/11/2019 4:41:00 AM	AQ590
2-Hexanone	ND	10	µg/L	1	4/11/2019 4:41:00 AM	AQ590
Isopropylbenzene	ND	1.0	µg/L	1	4/11/2019 4:41:00 AM	AQ590
4-Isopropyltoluene	ND	1.0	µg/L	1	4/11/2019 4:41:00 AM	AQ590
4-Methyl-2-pentanone	ND	10	µg/L	1	4/11/2019 4:41:00 AM	AQ590
Methylene Chloride	ND	3.0	µg/L	1	4/11/2019 4:41:00 AM	AQ590
n-Butylbenzene	ND	3.0	µg/L	1	4/11/2019 4:41:00 AM	AQ590
n-Propylbenzene	ND	1.0	µg/L	1	4/11/2019 4:41:00 AM	AQ590
sec-Butylbenzene	ND	1.0	µg/L	1	4/11/2019 4:41:00 AM	AQ590
Styrene	ND	1.0	µg/L	1	4/11/2019 4:41:00 AM	AQ590
tert-Butylbenzene	ND	1.0	µg/L	1	4/11/2019 4:41:00 AM	AQ590
1,1,1,2-Tetrachloroethane	ND	1.0	µg/L	1	4/11/2019 4:41:00 AM	AQ590
1,1,2,2-Tetrachloroethane	ND	2.0	µg/L	1	4/11/2019 4:41:00 AM	AQ590
Tetrachloroethene (PCE)	ND	1.0	µg/L	1	4/11/2019 4:41:00 AM	AQ590
trans-1,2-DCE	ND	1.0	µg/L	1	4/11/2019 4:41:00 AM	AQ590
trans-1,3-Dichloropropene	ND	1.0	µg/L	1	4/11/2019 4:41:00 AM	AQ590
1,2,3-Trichlorobenzene	ND	1.0	µg/L	1	4/11/2019 4:41:00 AM	AQ590
1,2,4-Trichlorobenzene	ND	1.0	µg/L	1	4/11/2019 4:41:00 AM	AQ590
1,1,1-Trichloroethane	ND	1.0	µg/L	1	4/11/2019 4:41:00 AM	AQ590
1,1,2-Trichloroethane	ND	1.0	µg/L	1	4/11/2019 4:41:00 AM	AQ590
Trichloroethene (TCE)	ND	1.0	µg/L	1	4/11/2019 4:41:00 AM	AQ590
Trichlorofluoromethane	ND	1.0	µg/L	1	4/11/2019 4:41:00 AM	AQ590
1,2,3-Trichloropropane	ND	2.0	µg/L	1	4/11/2019 4:41:00 AM	AQ590
Vinyl chloride	ND	1.0	µg/L	1	4/11/2019 4:41:00 AM	AQ590
Xylenes, Total	ND	1.5	µg/L	1	4/11/2019 4:41:00 AM	AQ590
Surr: 1,2-Dichloroethane-d4	99.7	70-130	%Rec	1	4/11/2019 4:41:00 AM	AQ590
Surr: 4-Bromofluorobenzene	96.4	70-130	%Rec	1	4/11/2019 4:41:00 AM	AQ590
Surr: Dibromofluoromethane	98.6	70-130	%Rec	1	4/11/2019 4:41:00 AM	AQ590
Surr: Toluene-d8	93.6	70-130	%Rec	1	4/11/2019 4:41:00 AM	AQ590

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 Limit
S	% Recovery outside of range due to dilution or matrix		

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD **Lab Order:** 1904342
Project: Laguna

Lab ID: 1904342-020 **Collection Date:** 4/4/2019 1:00:00 PM
Client Sample ID: GW-086241-040419-CM-6-41 **Matrix:** AQUEOUS

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch ID
EPA METHOD 8082A: PCB'S						Analyst: **TOM**	
Aroclor 1016	15	0.25		µg/L	1	4/17/2019 5:21:22 PM	44287
Aroclor 1221	ND	0.25		µg/L	1	4/17/2019 5:21:22 PM	44287
Aroclor 1232	ND	0.25		µg/L	1	4/17/2019 5:21:22 PM	44287
Aroclor 1242	ND	0.25		µg/L	1	4/17/2019 5:21:22 PM	44287
Aroclor 1248	ND	0.25		µg/L	1	4/17/2019 5:21:22 PM	44287
Aroclor 1254	ND	0.25		µg/L	1	4/17/2019 5:21:22 PM	44287
Aroclor 1260	ND	0.25		µg/L	1	4/17/2019 5:21:22 PM	44287
Surr: Decachlorobiphenyl	67.2	24.8-102		%Rec	1	4/17/2019 5:21:22 PM	44287
Surr: Tetrachloro-m-xylene	8.00	15.6-106	S	%Rec	1	4/17/2019 5:21:22 PM	44287
EPA METHOD 8260B: VOLATILES						Analyst: **RAA**	
Benzene	ND	1.0		µg/L	1	4/11/2019 5:05:00 AM	AQ590
Toluene	ND	1.0		µg/L	1	4/11/2019 5:05:00 AM	AQ590
Ethylbenzene	ND	1.0		µg/L	1	4/11/2019 5:05:00 AM	AQ590
Methyl tert-butyl ether (MTBE)	ND	1.0		µg/L	1	4/11/2019 5:05:00 AM	AQ590
1,2,4-Trimethylbenzene	ND	1.0		µg/L	1	4/11/2019 5:05:00 AM	AQ590
1,3,5-Trimethylbenzene	ND	1.0		µg/L	1	4/11/2019 5:05:00 AM	AQ590
1,2-Dichloroethane (EDC)	ND	1.0		µg/L	1	4/11/2019 5:05:00 AM	AQ590
1,2-Dibromoethane (EDB)	ND	1.0		µg/L	1	4/11/2019 5:05:00 AM	AQ590
Naphthalene	ND	2.0		µg/L	1	4/11/2019 5:05:00 AM	AQ590
1-Methylnaphthalene	ND	4.0		µg/L	1	4/11/2019 5:05:00 AM	AQ590
2-Methylnaphthalene	ND	4.0		µg/L	1	4/11/2019 5:05:00 AM	AQ590
Acetone	ND	10		µg/L	1	4/11/2019 5:05:00 AM	AQ590
Bromobenzene	ND	1.0		µg/L	1	4/11/2019 5:05:00 AM	AQ590
Bromodichloromethane	ND	1.0		µg/L	1	4/11/2019 5:05:00 AM	AQ590
Bromoform	ND	1.0		µg/L	1	4/11/2019 5:05:00 AM	AQ590
Bromomethane	ND	3.0		µg/L	1	4/11/2019 5:05:00 AM	AQ590
2-Butanone	ND	10		µg/L	1	4/11/2019 5:05:00 AM	AQ590
Carbon disulfide	ND	10		µg/L	1	4/11/2019 5:05:00 AM	AQ590
Carbon Tetrachloride	ND	1.0		µg/L	1	4/11/2019 5:05:00 AM	AQ590
Chlorobenzene	ND	1.0		µg/L	1	4/11/2019 5:05:00 AM	AQ590
Chloroethane	ND	2.0		µg/L	1	4/11/2019 5:05:00 AM	AQ590
Chloroform	ND	1.0		µg/L	1	4/11/2019 5:05:00 AM	AQ590
Chloromethane	ND	3.0		µg/L	1	4/11/2019 5:05:00 AM	AQ590
2-Chlorotoluene	ND	1.0		µg/L	1	4/11/2019 5:05:00 AM	AQ590
4-Chlorotoluene	ND	1.0		µg/L	1	4/11/2019 5:05:00 AM	AQ590
cis-1,2-DCE	ND	1.0		µg/L	1	4/11/2019 5:05:00 AM	AQ590
cis-1,3-Dichloropropene	ND	1.0		µg/L	1	4/11/2019 5:05:00 AM	AQ590
1,2-Dibromo-3-chloropropane	ND	2.0		µg/L	1	4/11/2019 5:05:00 AM	AQ590

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

Qualifiers:

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

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD **Lab Order:** 1904342
Project: Laguna

EPA METHOD 8260B: VOLATILES

Analyst: **RAA**

Dibromochloromethane	ND	1.0	µg/L	1	4/11/2019 5:05:00 AM	AQ590
Dibromomethane	ND	1.0	µg/L	1	4/11/2019 5:05:00 AM	AQ590
1,2-Dichlorobenzene	ND	1.0	µg/L	1	4/11/2019 5:05:00 AM	AQ590
1,3-Dichlorobenzene	ND	1.0	µg/L	1	4/11/2019 5:05:00 AM	AQ590
1,4-Dichlorobenzene	ND	1.0	µg/L	1	4/11/2019 5:05:00 AM	AQ590
Dichlorodifluoromethane	ND	1.0	µg/L	1	4/11/2019 5:05:00 AM	AQ590
1,1-Dichloroethane	20	1.0	µg/L	1	4/11/2019 5:05:00 AM	AQ590
1,1-Dichloroethene	7.1	1.0	µg/L	1	4/11/2019 5:05:00 AM	AQ590
1,2-Dichloropropane	ND	1.0	µg/L	1	4/11/2019 5:05:00 AM	AQ590
1,3-Dichloropropane	ND	1.0	µg/L	1	4/11/2019 5:05:00 AM	AQ590
2,2-Dichloropropane	ND	2.0	µg/L	1	4/11/2019 5:05:00 AM	AQ590
1,1-Dichloropropene	ND	1.0	µg/L	1	4/11/2019 5:05:00 AM	AQ590
Hexachlorobutadiene	ND	1.0	µg/L	1	4/11/2019 5:05:00 AM	AQ590
2-Hexanone	ND	10	µg/L	1	4/11/2019 5:05:00 AM	AQ590
Isopropylbenzene	ND	1.0	µg/L	1	4/11/2019 5:05:00 AM	AQ590
4-Isopropyltoluene	ND	1.0	µg/L	1	4/11/2019 5:05:00 AM	AQ590
4-Methyl-2-pentanone	ND	10	µg/L	1	4/11/2019 5:05:00 AM	AQ590
Methylene Chloride	ND	3.0	µg/L	1	4/11/2019 5:05:00 AM	AQ590
n-Butylbenzene	ND	3.0	µg/L	1	4/11/2019 5:05:00 AM	AQ590
n-Propylbenzene	ND	1.0	µg/L	1	4/11/2019 5:05:00 AM	AQ590
sec-Butylbenzene	ND	1.0	µg/L	1	4/11/2019 5:05:00 AM	AQ590
Styrene	ND	1.0	µg/L	1	4/11/2019 5:05:00 AM	AQ590
tert-Butylbenzene	ND	1.0	µg/L	1	4/11/2019 5:05:00 AM	AQ590
1,1,1,2-Tetrachloroethane	ND	1.0	µg/L	1	4/11/2019 5:05:00 AM	AQ590
1,1,2,2-Tetrachloroethane	ND	2.0	µg/L	1	4/11/2019 5:05:00 AM	AQ590
Tetrachloroethene (PCE)	ND	1.0	µg/L	1	4/11/2019 5:05:00 AM	AQ590
trans-1,2-DCE	ND	1.0	µg/L	1	4/11/2019 5:05:00 AM	AQ590
trans-1,3-Dichloropropene	ND	1.0	µg/L	1	4/11/2019 5:05:00 AM	AQ590
1,2,3-Trichlorobenzene	ND	1.0	µg/L	1	4/11/2019 5:05:00 AM	AQ590
1,2,4-Trichlorobenzene	ND	1.0	µg/L	1	4/11/2019 5:05:00 AM	AQ590
1,1,1-Trichloroethane	ND	1.0	µg/L	1	4/11/2019 5:05:00 AM	AQ590
1,1,2-Trichloroethane	ND	1.0	µg/L	1	4/11/2019 5:05:00 AM	AQ590
Trichloroethene (TCE)	ND	1.0	µg/L	1	4/11/2019 5:05:00 AM	AQ590
Trichlorofluoromethane	ND	1.0	µg/L	1	4/11/2019 5:05:00 AM	AQ590
1,2,3-Trichloropropane	ND	2.0	µg/L	1	4/11/2019 5:05:00 AM	AQ590
Vinyl chloride	ND	1.0	µg/L	1	4/11/2019 5:05:00 AM	AQ590
Xylenes, Total	ND	1.5	µg/L	1	4/11/2019 5:05:00 AM	AQ590
Surr: 1,2-Dichloroethane-d4	100	70-130	%Rec	1	4/11/2019 5:05:00 AM	AQ590
Surr: 4-Bromofluorobenzene	98.9	70-130	%Rec	1	4/11/2019 5:05:00 AM	AQ590
Surr: Dibromofluoromethane	99.7	70-130	%Rec	1	4/11/2019 5:05:00 AM	AQ590
Surr: Toluene-d8	94.0	70-130	%Rec	1	4/11/2019 5:05:00 AM	AQ590

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 Limit
S	% Recovery outside of range due to dilution or matrix		

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD **Lab Order:** 1904342
Project: Laguna

Lab ID: 1904342-021 **Collection Date:** 4/4/2019 1:10:00 PM
Client Sample ID: GW-086241-040419-CM-6-42 **Matrix:** AQUEOUS

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch ID
EPA METHOD 8260B: VOLATILES						Analyst: **RAA**	
Benzene	ND	1.0		µg/L	1	4/11/2019 5:29:00 AM	AQ590
Toluene	ND	1.0		µg/L	1	4/11/2019 5:29:00 AM	AQ590
Ethylbenzene	ND	1.0		µg/L	1	4/11/2019 5:29:00 AM	AQ590
Methyl tert-butyl ether (MTBE)	ND	1.0		µg/L	1	4/11/2019 5:29:00 AM	AQ590
1,2,4-Trimethylbenzene	ND	1.0		µg/L	1	4/11/2019 5:29:00 AM	AQ590
1,3,5-Trimethylbenzene	ND	1.0		µg/L	1	4/11/2019 5:29:00 AM	AQ590
1,2-Dichloroethane (EDC)	ND	1.0		µg/L	1	4/11/2019 5:29:00 AM	AQ590
1,2-Dibromoethane (EDB)	ND	1.0		µg/L	1	4/11/2019 5:29:00 AM	AQ590
Naphthalene	ND	2.0		µg/L	1	4/11/2019 5:29:00 AM	AQ590
1-Methylnaphthalene	ND	4.0		µg/L	1	4/11/2019 5:29:00 AM	AQ590
2-Methylnaphthalene	ND	4.0		µg/L	1	4/11/2019 5:29:00 AM	AQ590
Acetone	ND	10		µg/L	1	4/11/2019 5:29:00 AM	AQ590
Bromobenzene	ND	1.0		µg/L	1	4/11/2019 5:29:00 AM	AQ590
Bromodichloromethane	ND	1.0		µg/L	1	4/11/2019 5:29:00 AM	AQ590
Bromoform	ND	1.0		µg/L	1	4/11/2019 5:29:00 AM	AQ590
Bromomethane	ND	3.0		µg/L	1	4/11/2019 5:29:00 AM	AQ590
2-Butanone	ND	10		µg/L	1	4/11/2019 5:29:00 AM	AQ590
Carbon disulfide	ND	10		µg/L	1	4/11/2019 5:29:00 AM	AQ590
Carbon Tetrachloride	ND	1.0		µg/L	1	4/11/2019 5:29:00 AM	AQ590
Chlorobenzene	ND	1.0		µg/L	1	4/11/2019 5:29:00 AM	AQ590
Chloroethane	ND	2.0		µg/L	1	4/11/2019 5:29:00 AM	AQ590
Chloroform	ND	1.0		µg/L	1	4/11/2019 5:29:00 AM	AQ590
Chloromethane	ND	3.0		µg/L	1	4/11/2019 5:29:00 AM	AQ590
2-Chlorotoluene	ND	1.0		µg/L	1	4/11/2019 5:29:00 AM	AQ590
4-Chlorotoluene	ND	1.0		µg/L	1	4/11/2019 5:29:00 AM	AQ590
cis-1,2-DCE	ND	1.0		µg/L	1	4/11/2019 5:29:00 AM	AQ590
cis-1,3-Dichloropropene	ND	1.0		µg/L	1	4/11/2019 5:29:00 AM	AQ590
1,2-Dibromo-3-chloropropane	ND	2.0		µg/L	1	4/11/2019 5:29:00 AM	AQ590
Dibromochloromethane	ND	1.0		µg/L	1	4/11/2019 5:29:00 AM	AQ590
Dibromomethane	ND	1.0		µg/L	1	4/11/2019 5:29:00 AM	AQ590
1,2-Dichlorobenzene	ND	1.0		µg/L	1	4/11/2019 5:29:00 AM	AQ590
1,3-Dichlorobenzene	ND	1.0		µg/L	1	4/11/2019 5:29:00 AM	AQ590
1,4-Dichlorobenzene	ND	1.0		µg/L	1	4/11/2019 5:29:00 AM	AQ590
Dichlorodifluoromethane	ND	1.0		µg/L	1	4/11/2019 5:29:00 AM	AQ590
1,1-Dichloroethane	26	1.0		µg/L	1	4/11/2019 5:29:00 AM	AQ590
1,1-Dichloroethene	5.7	1.0		µg/L	1	4/11/2019 5:29:00 AM	AQ590
1,2-Dichloropropane	ND	1.0		µg/L	1	4/11/2019 5:29:00 AM	AQ590
1,3-Dichloropropane	ND	1.0		µg/L	1	4/11/2019 5:29:00 AM	AQ590

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 Limit
S	% Recovery outside of range due to dilution or matrix		

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD **Lab Order:** 1904342
Project: Laguna

EPA METHOD 8260B: VOLATILES

Analyst: **RAA**

2,2-Dichloropropane	ND	2.0	µg/L	1	4/11/2019 5:29:00 AM	AQ590
1,1-Dichloropropene	ND	1.0	µg/L	1	4/11/2019 5:29:00 AM	AQ590
Hexachlorobutadiene	ND	1.0	µg/L	1	4/11/2019 5:29:00 AM	AQ590
2-Hexanone	ND	10	µg/L	1	4/11/2019 5:29:00 AM	AQ590
Isopropylbenzene	ND	1.0	µg/L	1	4/11/2019 5:29:00 AM	AQ590
4-Isopropyltoluene	ND	1.0	µg/L	1	4/11/2019 5:29:00 AM	AQ590
4-Methyl-2-pentanone	ND	10	µg/L	1	4/11/2019 5:29:00 AM	AQ590
Methylene Chloride	ND	3.0	µg/L	1	4/11/2019 5:29:00 AM	AQ590
n-Butylbenzene	ND	3.0	µg/L	1	4/11/2019 5:29:00 AM	AQ590
n-Propylbenzene	ND	1.0	µg/L	1	4/11/2019 5:29:00 AM	AQ590
sec-Butylbenzene	ND	1.0	µg/L	1	4/11/2019 5:29:00 AM	AQ590
Styrene	ND	1.0	µg/L	1	4/11/2019 5:29:00 AM	AQ590
tert-Butylbenzene	ND	1.0	µg/L	1	4/11/2019 5:29:00 AM	AQ590
1,1,1,2-Tetrachloroethane	ND	1.0	µg/L	1	4/11/2019 5:29:00 AM	AQ590
1,1,2,2-Tetrachloroethane	ND	2.0	µg/L	1	4/11/2019 5:29:00 AM	AQ590
Tetrachloroethene (PCE)	ND	1.0	µg/L	1	4/11/2019 5:29:00 AM	AQ590
trans-1,2-DCE	ND	1.0	µg/L	1	4/11/2019 5:29:00 AM	AQ590
trans-1,3-Dichloropropene	ND	1.0	µg/L	1	4/11/2019 5:29:00 AM	AQ590
1,2,3-Trichlorobenzene	ND	1.0	µg/L	1	4/11/2019 5:29:00 AM	AQ590
1,2,4-Trichlorobenzene	ND	1.0	µg/L	1	4/11/2019 5:29:00 AM	AQ590
1,1,1-Trichloroethane	ND	1.0	µg/L	1	4/11/2019 5:29:00 AM	AQ590
1,1,2-Trichloroethane	ND	1.0	µg/L	1	4/11/2019 5:29:00 AM	AQ590
Trichloroethene (TCE)	ND	1.0	µg/L	1	4/11/2019 5:29:00 AM	AQ590
Trichlorofluoromethane	ND	1.0	µg/L	1	4/11/2019 5:29:00 AM	AQ590
1,2,3-Trichloropropane	ND	2.0	µg/L	1	4/11/2019 5:29:00 AM	AQ590
Vinyl chloride	ND	1.0	µg/L	1	4/11/2019 5:29:00 AM	AQ590
Xylenes, Total	ND	1.5	µg/L	1	4/11/2019 5:29:00 AM	AQ590
Surr: 1,2-Dichloroethane-d4	101	70-130	%Rec	1	4/11/2019 5:29:00 AM	AQ590
Surr: 4-Bromofluorobenzene	99.0	70-130	%Rec	1	4/11/2019 5:29:00 AM	AQ590
Surr: Dibromofluoromethane	98.6	70-130	%Rec	1	4/11/2019 5:29:00 AM	AQ590
Surr: Toluene-d8	93.0	70-130	%Rec	1	4/11/2019 5:29:00 AM	AQ590

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 Limit
S	% Recovery outside of range due to dilution or matrix		

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD **Lab Order:** 1904342
Project: Laguna

Lab ID: 1904342-022 **Collection Date:** 4/4/2019 1:15:00 PM
Client Sample ID: GW-086241-040419-CM-6-08 **Matrix:** AQUEOUS

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch ID
EPA METHOD 8260B: VOLATILES						Analyst: **RAA**	
Benzene	ND	1.0		µg/L	1	4/11/2019 5:53:00 AM	AQ590
Toluene	ND	1.0		µg/L	1	4/11/2019 5:53:00 AM	AQ590
Ethylbenzene	ND	1.0		µg/L	1	4/11/2019 5:53:00 AM	AQ590
Methyl tert-butyl ether (MTBE)	ND	1.0		µg/L	1	4/11/2019 5:53:00 AM	AQ590
1,2,4-Trimethylbenzene	ND	1.0		µg/L	1	4/11/2019 5:53:00 AM	AQ590
1,3,5-Trimethylbenzene	ND	1.0		µg/L	1	4/11/2019 5:53:00 AM	AQ590
1,2-Dichloroethane (EDC)	ND	1.0		µg/L	1	4/11/2019 5:53:00 AM	AQ590
1,2-Dibromoethane (EDB)	ND	1.0		µg/L	1	4/11/2019 5:53:00 AM	AQ590
Naphthalene	ND	2.0		µg/L	1	4/11/2019 5:53:00 AM	AQ590
1-Methylnaphthalene	ND	4.0		µg/L	1	4/11/2019 5:53:00 AM	AQ590
2-Methylnaphthalene	ND	4.0		µg/L	1	4/11/2019 5:53:00 AM	AQ590
Acetone	ND	10		µg/L	1	4/11/2019 5:53:00 AM	AQ590
Bromobenzene	ND	1.0		µg/L	1	4/11/2019 5:53:00 AM	AQ590
Bromodichloromethane	ND	1.0		µg/L	1	4/11/2019 5:53:00 AM	AQ590
Bromoform	ND	1.0		µg/L	1	4/11/2019 5:53:00 AM	AQ590
Bromomethane	ND	3.0		µg/L	1	4/11/2019 5:53:00 AM	AQ590
2-Butanone	ND	10		µg/L	1	4/11/2019 5:53:00 AM	AQ590
Carbon disulfide	ND	10		µg/L	1	4/11/2019 5:53:00 AM	AQ590
Carbon Tetrachloride	ND	1.0		µg/L	1	4/11/2019 5:53:00 AM	AQ590
Chlorobenzene	ND	1.0		µg/L	1	4/11/2019 5:53:00 AM	AQ590
Chloroethane	ND	2.0		µg/L	1	4/11/2019 5:53:00 AM	AQ590
Chloroform	1.4	1.0		µg/L	1	4/11/2019 5:53:00 AM	AQ590
Chloromethane	ND	3.0		µg/L	1	4/11/2019 5:53:00 AM	AQ590
2-Chlorotoluene	ND	1.0		µg/L	1	4/11/2019 5:53:00 AM	AQ590
4-Chlorotoluene	ND	1.0		µg/L	1	4/11/2019 5:53:00 AM	AQ590
cis-1,2-DCE	ND	1.0		µg/L	1	4/11/2019 5:53:00 AM	AQ590
cis-1,3-Dichloropropene	ND	1.0		µg/L	1	4/11/2019 5:53:00 AM	AQ590
1,2-Dibromo-3-chloropropane	ND	2.0		µg/L	1	4/11/2019 5:53:00 AM	AQ590
Dibromochloromethane	ND	1.0		µg/L	1	4/11/2019 5:53:00 AM	AQ590
Dibromomethane	ND	1.0		µg/L	1	4/11/2019 5:53:00 AM	AQ590
1,2-Dichlorobenzene	ND	1.0		µg/L	1	4/11/2019 5:53:00 AM	AQ590
1,3-Dichlorobenzene	ND	1.0		µg/L	1	4/11/2019 5:53:00 AM	AQ590
1,4-Dichlorobenzene	ND	1.0		µg/L	1	4/11/2019 5:53:00 AM	AQ590
Dichlorodifluoromethane	ND	1.0		µg/L	1	4/11/2019 5:53:00 AM	AQ590
1,1-Dichloroethane	2.0	1.0		µg/L	1	4/11/2019 5:53:00 AM	AQ590
1,1-Dichloroethene	ND	1.0		µg/L	1	4/11/2019 5:53:00 AM	AQ590
1,2-Dichloropropane	ND	1.0		µg/L	1	4/11/2019 5:53:00 AM	AQ590
1,3-Dichloropropane	ND	1.0		µg/L	1	4/11/2019 5:53:00 AM	AQ590

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 Limit
S	% Recovery outside of range due to dilution or matrix		

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD **Lab Order:** 1904342
Project: Laguna

EPA METHOD 8260B: VOLATILES

Analyst: **RAA**

2,2-Dichloropropane	ND	2.0	µg/L	1	4/11/2019 5:53:00 AM	AQ590
1,1-Dichloropropene	ND	1.0	µg/L	1	4/11/2019 5:53:00 AM	AQ590
Hexachlorobutadiene	ND	1.0	µg/L	1	4/11/2019 5:53:00 AM	AQ590
2-Hexanone	ND	10	µg/L	1	4/11/2019 5:53:00 AM	AQ590
Isopropylbenzene	ND	1.0	µg/L	1	4/11/2019 5:53:00 AM	AQ590
4-Isopropyltoluene	ND	1.0	µg/L	1	4/11/2019 5:53:00 AM	AQ590
4-Methyl-2-pentanone	ND	10	µg/L	1	4/11/2019 5:53:00 AM	AQ590
Methylene Chloride	ND	3.0	µg/L	1	4/11/2019 5:53:00 AM	AQ590
n-Butylbenzene	ND	3.0	µg/L	1	4/11/2019 5:53:00 AM	AQ590
n-Propylbenzene	ND	1.0	µg/L	1	4/11/2019 5:53:00 AM	AQ590
sec-Butylbenzene	ND	1.0	µg/L	1	4/11/2019 5:53:00 AM	AQ590
Styrene	ND	1.0	µg/L	1	4/11/2019 5:53:00 AM	AQ590
tert-Butylbenzene	ND	1.0	µg/L	1	4/11/2019 5:53:00 AM	AQ590
1,1,1,2-Tetrachloroethane	ND	1.0	µg/L	1	4/11/2019 5:53:00 AM	AQ590
1,1,2,2-Tetrachloroethane	ND	2.0	µg/L	1	4/11/2019 5:53:00 AM	AQ590
Tetrachloroethene (PCE)	ND	1.0	µg/L	1	4/11/2019 5:53:00 AM	AQ590
trans-1,2-DCE	ND	1.0	µg/L	1	4/11/2019 5:53:00 AM	AQ590
trans-1,3-Dichloropropene	ND	1.0	µg/L	1	4/11/2019 5:53:00 AM	AQ590
1,2,3-Trichlorobenzene	ND	1.0	µg/L	1	4/11/2019 5:53:00 AM	AQ590
1,2,4-Trichlorobenzene	ND	1.0	µg/L	1	4/11/2019 5:53:00 AM	AQ590
1,1,1-Trichloroethane	ND	1.0	µg/L	1	4/11/2019 5:53:00 AM	AQ590
1,1,2-Trichloroethane	ND	1.0	µg/L	1	4/11/2019 5:53:00 AM	AQ590
Trichloroethene (TCE)	ND	1.0	µg/L	1	4/11/2019 5:53:00 AM	AQ590
Trichlorofluoromethane	ND	1.0	µg/L	1	4/11/2019 5:53:00 AM	AQ590
1,2,3-Trichloropropane	ND	2.0	µg/L	1	4/11/2019 5:53:00 AM	AQ590
Vinyl chloride	ND	1.0	µg/L	1	4/11/2019 5:53:00 AM	AQ590
Xylenes, Total	ND	1.5	µg/L	1	4/11/2019 5:53:00 AM	AQ590
Surr: 1,2-Dichloroethane-d4	99.8	70-130	%Rec	1	4/11/2019 5:53:00 AM	AQ590
Surr: 4-Bromofluorobenzene	100	70-130	%Rec	1	4/11/2019 5:53:00 AM	AQ590
Surr: Dibromofluoromethane	98.2	70-130	%Rec	1	4/11/2019 5:53:00 AM	AQ590
Surr: Toluene-d8	92.8	70-130	%Rec	1	4/11/2019 5:53:00 AM	AQ590

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

Qualifiers:

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

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD **Lab Order:** 1904342
Project: Laguna

Lab ID: 1904342-023 **Collection Date:** 4/4/2019 1:25:00 PM
Client Sample ID: GW-086241-040419-CM-6-15 **Matrix:** AQUEOUS

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch ID
EPA METHOD 8082A: PCB'S						Analyst: **TOM**	
Aroclor 1016	0.58	0.25		µg/L	1	4/17/2019 5:54:23 PM	44287
Aroclor 1221	ND	0.25		µg/L	1	4/17/2019 5:54:23 PM	44287
Aroclor 1232	ND	0.25		µg/L	1	4/17/2019 5:54:23 PM	44287
Aroclor 1242	ND	0.25		µg/L	1	4/17/2019 5:54:23 PM	44287
Aroclor 1248	ND	0.25		µg/L	1	4/17/2019 5:54:23 PM	44287
Aroclor 1254	ND	0.25		µg/L	1	4/17/2019 5:54:23 PM	44287
Aroclor 1260	ND	0.25		µg/L	1	4/17/2019 5:54:23 PM	44287
Surr: Decachlorobiphenyl	76.0	24.8-102		%Rec	1	4/17/2019 5:54:23 PM	44287
Surr: Tetrachloro-m-xylene	11.6	15.6-106	S	%Rec	1	4/17/2019 5:54:23 PM	44287
EPA METHOD 8260B: VOLATILES						Analyst: **RAA**	
Benzene	ND	1.0		µg/L	1	4/11/2019 6:17:00 AM	AQ590
Toluene	ND	1.0		µg/L	1	4/11/2019 6:17:00 AM	AQ590
Ethylbenzene	ND	1.0		µg/L	1	4/11/2019 6:17:00 AM	AQ590
Methyl tert-butyl ether (MTBE)	ND	1.0		µg/L	1	4/11/2019 6:17:00 AM	AQ590
1,2,4-Trimethylbenzene	ND	1.0		µg/L	1	4/11/2019 6:17:00 AM	AQ590
1,3,5-Trimethylbenzene	ND	1.0		µg/L	1	4/11/2019 6:17:00 AM	AQ590
1,2-Dichloroethane (EDC)	ND	1.0		µg/L	1	4/11/2019 6:17:00 AM	AQ590
1,2-Dibromoethane (EDB)	ND	1.0		µg/L	1	4/11/2019 6:17:00 AM	AQ590
Naphthalene	ND	2.0		µg/L	1	4/11/2019 6:17:00 AM	AQ590
1-Methylnaphthalene	ND	4.0		µg/L	1	4/11/2019 6:17:00 AM	AQ590
2-Methylnaphthalene	ND	4.0		µg/L	1	4/11/2019 6:17:00 AM	AQ590
Acetone	ND	10		µg/L	1	4/11/2019 6:17:00 AM	AQ590
Bromobenzene	ND	1.0		µg/L	1	4/11/2019 6:17:00 AM	AQ590
Bromodichloromethane	ND	1.0		µg/L	1	4/11/2019 6:17:00 AM	AQ590
Bromoform	ND	1.0		µg/L	1	4/11/2019 6:17:00 AM	AQ590
Bromomethane	ND	3.0		µg/L	1	4/11/2019 6:17:00 AM	AQ590
2-Butanone	ND	10		µg/L	1	4/11/2019 6:17:00 AM	AQ590
Carbon disulfide	ND	10		µg/L	1	4/11/2019 6:17:00 AM	AQ590
Carbon Tetrachloride	ND	1.0		µg/L	1	4/11/2019 6:17:00 AM	AQ590
Chlorobenzene	ND	1.0		µg/L	1	4/11/2019 6:17:00 AM	AQ590
Chloroethane	ND	2.0		µg/L	1	4/11/2019 6:17:00 AM	AQ590
Chloroform	ND	1.0		µg/L	1	4/11/2019 6:17:00 AM	AQ590
Chloromethane	ND	3.0		µg/L	1	4/11/2019 6:17:00 AM	AQ590
2-Chlorotoluene	ND	1.0		µg/L	1	4/11/2019 6:17:00 AM	AQ590
4-Chlorotoluene	ND	1.0		µg/L	1	4/11/2019 6:17:00 AM	AQ590
cis-1,2-DCE	ND	1.0		µg/L	1	4/11/2019 6:17:00 AM	AQ590
cis-1,3-Dichloropropene	ND	1.0		µg/L	1	4/11/2019 6:17:00 AM	AQ590
1,2-Dibromo-3-chloropropane	ND	2.0		µg/L	1	4/11/2019 6:17:00 AM	AQ590

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 Limit
S	% Recovery outside of range due to dilution or matrix		

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD **Lab Order:** 1904342
Project: Laguna

EPA METHOD 8260B: VOLATILES

Analyst: **RAA**

Dibromochloromethane	ND	1.0	µg/L	1	4/11/2019 6:17:00 AM	AQ590
Dibromomethane	ND	1.0	µg/L	1	4/11/2019 6:17:00 AM	AQ590
1,2-Dichlorobenzene	ND	1.0	µg/L	1	4/11/2019 6:17:00 AM	AQ590
1,3-Dichlorobenzene	ND	1.0	µg/L	1	4/11/2019 6:17:00 AM	AQ590
1,4-Dichlorobenzene	ND	1.0	µg/L	1	4/11/2019 6:17:00 AM	AQ590
Dichlorodifluoromethane	ND	1.0	µg/L	1	4/11/2019 6:17:00 AM	AQ590
1,1-Dichloroethane	1.5	1.0	µg/L	1	4/11/2019 6:17:00 AM	AQ590
1,1-Dichloroethene	1.3	1.0	µg/L	1	4/11/2019 6:17:00 AM	AQ590
1,2-Dichloropropane	ND	1.0	µg/L	1	4/11/2019 6:17:00 AM	AQ590
1,3-Dichloropropane	ND	1.0	µg/L	1	4/11/2019 6:17:00 AM	AQ590
2,2-Dichloropropane	ND	2.0	µg/L	1	4/11/2019 6:17:00 AM	AQ590
1,1-Dichloropropene	ND	1.0	µg/L	1	4/11/2019 6:17:00 AM	AQ590
Hexachlorobutadiene	ND	1.0	µg/L	1	4/11/2019 6:17:00 AM	AQ590
2-Hexanone	ND	10	µg/L	1	4/11/2019 6:17:00 AM	AQ590
Isopropylbenzene	ND	1.0	µg/L	1	4/11/2019 6:17:00 AM	AQ590
4-Isopropyltoluene	ND	1.0	µg/L	1	4/11/2019 6:17:00 AM	AQ590
4-Methyl-2-pentanone	ND	10	µg/L	1	4/11/2019 6:17:00 AM	AQ590
Methylene Chloride	ND	3.0	µg/L	1	4/11/2019 6:17:00 AM	AQ590
n-Butylbenzene	ND	3.0	µg/L	1	4/11/2019 6:17:00 AM	AQ590
n-Propylbenzene	ND	1.0	µg/L	1	4/11/2019 6:17:00 AM	AQ590
sec-Butylbenzene	ND	1.0	µg/L	1	4/11/2019 6:17:00 AM	AQ590
Styrene	ND	1.0	µg/L	1	4/11/2019 6:17:00 AM	AQ590
tert-Butylbenzene	ND	1.0	µg/L	1	4/11/2019 6:17:00 AM	AQ590
1,1,1,2-Tetrachloroethane	ND	1.0	µg/L	1	4/11/2019 6:17:00 AM	AQ590
1,1,2,2-Tetrachloroethane	ND	2.0	µg/L	1	4/11/2019 6:17:00 AM	AQ590
Tetrachloroethene (PCE)	ND	1.0	µg/L	1	4/11/2019 6:17:00 AM	AQ590
trans-1,2-DCE	ND	1.0	µg/L	1	4/11/2019 6:17:00 AM	AQ590
trans-1,3-Dichloropropene	ND	1.0	µg/L	1	4/11/2019 6:17:00 AM	AQ590
1,2,3-Trichlorobenzene	ND	1.0	µg/L	1	4/11/2019 6:17:00 AM	AQ590
1,2,4-Trichlorobenzene	ND	1.0	µg/L	1	4/11/2019 6:17:00 AM	AQ590
1,1,1-Trichloroethane	1.5	1.0	µg/L	1	4/11/2019 6:17:00 AM	AQ590
1,1,2-Trichloroethane	ND	1.0	µg/L	1	4/11/2019 6:17:00 AM	AQ590
Trichloroethene (TCE)	ND	1.0	µg/L	1	4/11/2019 6:17:00 AM	AQ590
Trichlorofluoromethane	ND	1.0	µg/L	1	4/11/2019 6:17:00 AM	AQ590
1,2,3-Trichloropropane	ND	2.0	µg/L	1	4/11/2019 6:17:00 AM	AQ590
Vinyl chloride	ND	1.0	µg/L	1	4/11/2019 6:17:00 AM	AQ590
Xylenes, Total	ND	1.5	µg/L	1	4/11/2019 6:17:00 AM	AQ590
Surr: 1,2-Dichloroethane-d4	99.9	70-130	%Rec	1	4/11/2019 6:17:00 AM	AQ590
Surr: 4-Bromofluorobenzene	97.7	70-130	%Rec	1	4/11/2019 6:17:00 AM	AQ590
Surr: Dibromofluoromethane	101	70-130	%Rec	1	4/11/2019 6:17:00 AM	AQ590
Surr: Toluene-d8	93.1	70-130	%Rec	1	4/11/2019 6:17:00 AM	AQ590

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 Limit
S	% Recovery outside of range due to dilution or matrix		

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD
Project: Laguna
Lab Order: 1904342

Lab ID: 1904342-024
Collection Date: 4/4/2019 1:35:00 PM
Client Sample ID: GW-086241-040419-CM-6-18
Matrix: AQUEOUS

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch ID
EPA METHOD 8260B: VOLATILES						Analyst: **RAA**	
Benzene	ND	1.0		µg/L	1	4/11/2019 6:41:00 AM	AQ590
Toluene	ND	1.0		µg/L	1	4/11/2019 6:41:00 AM	AQ590
Ethylbenzene	ND	1.0		µg/L	1	4/11/2019 6:41:00 AM	AQ590
Methyl tert-butyl ether (MTBE)	ND	1.0		µg/L	1	4/11/2019 6:41:00 AM	AQ590
1,2,4-Trimethylbenzene	ND	1.0		µg/L	1	4/11/2019 6:41:00 AM	AQ590
1,3,5-Trimethylbenzene	ND	1.0		µg/L	1	4/11/2019 6:41:00 AM	AQ590
1,2-Dichloroethane (EDC)	ND	1.0		µg/L	1	4/11/2019 6:41:00 AM	AQ590
1,2-Dibromoethane (EDB)	ND	1.0		µg/L	1	4/11/2019 6:41:00 AM	AQ590
Naphthalene	ND	2.0		µg/L	1	4/11/2019 6:41:00 AM	AQ590
1-Methylnaphthalene	ND	4.0		µg/L	1	4/11/2019 6:41:00 AM	AQ590
2-Methylnaphthalene	ND	4.0		µg/L	1	4/11/2019 6:41:00 AM	AQ590
Acetone	ND	10		µg/L	1	4/11/2019 6:41:00 AM	AQ590
Bromobenzene	ND	1.0		µg/L	1	4/11/2019 6:41:00 AM	AQ590
Bromodichloromethane	ND	1.0		µg/L	1	4/11/2019 6:41:00 AM	AQ590
Bromoform	ND	1.0		µg/L	1	4/11/2019 6:41:00 AM	AQ590
Bromomethane	ND	3.0		µg/L	1	4/11/2019 6:41:00 AM	AQ590
2-Butanone	ND	10		µg/L	1	4/11/2019 6:41:00 AM	AQ590
Carbon disulfide	ND	10		µg/L	1	4/11/2019 6:41:00 AM	AQ590
Carbon Tetrachloride	ND	1.0		µg/L	1	4/11/2019 6:41:00 AM	AQ590
Chlorobenzene	ND	1.0		µg/L	1	4/11/2019 6:41:00 AM	AQ590
Chloroethane	ND	2.0		µg/L	1	4/11/2019 6:41:00 AM	AQ590
Chloroform	ND	1.0		µg/L	1	4/11/2019 6:41:00 AM	AQ590
Chloromethane	ND	3.0		µg/L	1	4/11/2019 6:41:00 AM	AQ590
2-Chlorotoluene	ND	1.0		µg/L	1	4/11/2019 6:41:00 AM	AQ590
4-Chlorotoluene	ND	1.0		µg/L	1	4/11/2019 6:41:00 AM	AQ590
cis-1,2-DCE	ND	1.0		µg/L	1	4/11/2019 6:41:00 AM	AQ590
cis-1,3-Dichloropropene	ND	1.0		µg/L	1	4/11/2019 6:41:00 AM	AQ590
1,2-Dibromo-3-chloropropane	ND	2.0		µg/L	1	4/11/2019 6:41:00 AM	AQ590
Dibromochloromethane	ND	1.0		µg/L	1	4/11/2019 6:41:00 AM	AQ590
Dibromomethane	ND	1.0		µg/L	1	4/11/2019 6:41:00 AM	AQ590
1,2-Dichlorobenzene	ND	1.0		µg/L	1	4/11/2019 6:41:00 AM	AQ590
1,3-Dichlorobenzene	ND	1.0		µg/L	1	4/11/2019 6:41:00 AM	AQ590
1,4-Dichlorobenzene	ND	1.0		µg/L	1	4/11/2019 6:41:00 AM	AQ590
Dichlorodifluoromethane	ND	1.0		µg/L	1	4/11/2019 6:41:00 AM	AQ590
1,1-Dichloroethane	ND	1.0		µg/L	1	4/11/2019 6:41:00 AM	AQ590
1,1-Dichloroethene	ND	1.0		µg/L	1	4/11/2019 6:41:00 AM	AQ590
1,2-Dichloropropane	ND	1.0		µg/L	1	4/11/2019 6:41:00 AM	AQ590
1,3-Dichloropropane	ND	1.0		µg/L	1	4/11/2019 6:41:00 AM	AQ590

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 Limit
S	% Recovery outside of range due to dilution or matrix		

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD **Lab Order:** 1904342
Project: Laguna

EPA METHOD 8260B: VOLATILES

Analyst: **RAA**

2,2-Dichloropropane	ND	2.0	µg/L	1	4/11/2019 6:41:00 AM	AQ590
1,1-Dichloropropene	ND	1.0	µg/L	1	4/11/2019 6:41:00 AM	AQ590
Hexachlorobutadiene	ND	1.0	µg/L	1	4/11/2019 6:41:00 AM	AQ590
2-Hexanone	ND	10	µg/L	1	4/11/2019 6:41:00 AM	AQ590
Isopropylbenzene	ND	1.0	µg/L	1	4/11/2019 6:41:00 AM	AQ590
4-Isopropyltoluene	ND	1.0	µg/L	1	4/11/2019 6:41:00 AM	AQ590
4-Methyl-2-pentanone	ND	10	µg/L	1	4/11/2019 6:41:00 AM	AQ590
Methylene Chloride	ND	3.0	µg/L	1	4/11/2019 6:41:00 AM	AQ590
n-Butylbenzene	ND	3.0	µg/L	1	4/11/2019 6:41:00 AM	AQ590
n-Propylbenzene	ND	1.0	µg/L	1	4/11/2019 6:41:00 AM	AQ590
sec-Butylbenzene	ND	1.0	µg/L	1	4/11/2019 6:41:00 AM	AQ590
Styrene	ND	1.0	µg/L	1	4/11/2019 6:41:00 AM	AQ590
tert-Butylbenzene	ND	1.0	µg/L	1	4/11/2019 6:41:00 AM	AQ590
1,1,1,2-Tetrachloroethane	ND	1.0	µg/L	1	4/11/2019 6:41:00 AM	AQ590
1,1,2,2-Tetrachloroethane	ND	2.0	µg/L	1	4/11/2019 6:41:00 AM	AQ590
Tetrachloroethene (PCE)	ND	1.0	µg/L	1	4/11/2019 6:41:00 AM	AQ590
trans-1,2-DCE	ND	1.0	µg/L	1	4/11/2019 6:41:00 AM	AQ590
trans-1,3-Dichloropropene	ND	1.0	µg/L	1	4/11/2019 6:41:00 AM	AQ590
1,2,3-Trichlorobenzene	ND	1.0	µg/L	1	4/11/2019 6:41:00 AM	AQ590
1,2,4-Trichlorobenzene	ND	1.0	µg/L	1	4/11/2019 6:41:00 AM	AQ590
1,1,1-Trichloroethane	ND	1.0	µg/L	1	4/11/2019 6:41:00 AM	AQ590
1,1,2-Trichloroethane	ND	1.0	µg/L	1	4/11/2019 6:41:00 AM	AQ590
Trichloroethene (TCE)	ND	1.0	µg/L	1	4/11/2019 6:41:00 AM	AQ590
Trichlorofluoromethane	ND	1.0	µg/L	1	4/11/2019 6:41:00 AM	AQ590
1,2,3-Trichloropropane	ND	2.0	µg/L	1	4/11/2019 6:41:00 AM	AQ590
Vinyl chloride	ND	1.0	µg/L	1	4/11/2019 6:41:00 AM	AQ590
Xylenes, Total	ND	1.5	µg/L	1	4/11/2019 6:41:00 AM	AQ590
Surr: 1,2-Dichloroethane-d4	101	70-130	%Rec	1	4/11/2019 6:41:00 AM	AQ590
Surr: 4-Bromofluorobenzene	97.9	70-130	%Rec	1	4/11/2019 6:41:00 AM	AQ590
Surr: Dibromofluoromethane	98.5	70-130	%Rec	1	4/11/2019 6:41:00 AM	AQ590
Surr: Toluene-d8	92.3	70-130	%Rec	1	4/11/2019 6:41:00 AM	AQ590

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 Limit
S	% Recovery outside of range due to dilution or matrix		

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD **Lab Order:** 1904342
Project: Laguna

Lab ID: 1904342-025 **Collection Date:** 4/4/2019 1:45:00 PM
Client Sample ID: GW-086241-040419-CM-6-10 **Matrix:** AQUEOUS

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch ID
EPA METHOD 8082A: PCB'S						Analyst: **TOM**	
Aroclor 1016	12	0.25		µg/L	1	4/17/2019 6:27:22 PM	44287
Aroclor 1221	ND	0.25		µg/L	1	4/17/2019 6:27:22 PM	44287
Aroclor 1232	ND	0.25		µg/L	1	4/17/2019 6:27:22 PM	44287
Aroclor 1242	ND	0.25		µg/L	1	4/17/2019 6:27:22 PM	44287
Aroclor 1248	ND	0.25		µg/L	1	4/17/2019 6:27:22 PM	44287
Aroclor 1254	ND	0.25		µg/L	1	4/17/2019 6:27:22 PM	44287
Aroclor 1260	ND	0.25		µg/L	1	4/17/2019 6:27:22 PM	44287
Surr: Decachlorobiphenyl	79.6	24.8-102		%Rec	1	4/17/2019 6:27:22 PM	44287
Surr: Tetrachloro-m-xylene	18.0	15.6-106		%Rec	1	4/17/2019 6:27:22 PM	44287
EPA METHOD 8260B: VOLATILES						Analyst: **RAA**	
Benzene	ND	1.0		µg/L	1	4/11/2019 7:05:00 AM	AQ590
Toluene	ND	1.0		µg/L	1	4/11/2019 7:05:00 AM	AQ590
Ethylbenzene	ND	1.0		µg/L	1	4/11/2019 7:05:00 AM	AQ590
Methyl tert-butyl ether (MTBE)	ND	1.0		µg/L	1	4/11/2019 7:05:00 AM	AQ590
1,2,4-Trimethylbenzene	ND	1.0		µg/L	1	4/11/2019 7:05:00 AM	AQ590
1,3,5-Trimethylbenzene	ND	1.0		µg/L	1	4/11/2019 7:05:00 AM	AQ590
1,2-Dichloroethane (EDC)	ND	1.0		µg/L	1	4/11/2019 7:05:00 AM	AQ590
1,2-Dibromoethane (EDB)	ND	1.0		µg/L	1	4/11/2019 7:05:00 AM	AQ590
Naphthalene	ND	2.0		µg/L	1	4/11/2019 7:05:00 AM	AQ590
1-Methylnaphthalene	ND	4.0		µg/L	1	4/11/2019 7:05:00 AM	AQ590
2-Methylnaphthalene	ND	4.0		µg/L	1	4/11/2019 7:05:00 AM	AQ590
Acetone	ND	10		µg/L	1	4/11/2019 7:05:00 AM	AQ590
Bromobenzene	ND	1.0		µg/L	1	4/11/2019 7:05:00 AM	AQ590
Bromodichloromethane	ND	1.0		µg/L	1	4/11/2019 7:05:00 AM	AQ590
Bromoform	ND	1.0		µg/L	1	4/11/2019 7:05:00 AM	AQ590
Bromomethane	ND	3.0		µg/L	1	4/11/2019 7:05:00 AM	AQ590
2-Butanone	ND	10		µg/L	1	4/11/2019 7:05:00 AM	AQ590
Carbon disulfide	ND	10		µg/L	1	4/11/2019 7:05:00 AM	AQ590
Carbon Tetrachloride	ND	1.0		µg/L	1	4/11/2019 7:05:00 AM	AQ590
Chlorobenzene	ND	1.0		µg/L	1	4/11/2019 7:05:00 AM	AQ590
Chloroethane	ND	2.0		µg/L	1	4/11/2019 7:05:00 AM	AQ590
Chloroform	ND	1.0		µg/L	1	4/11/2019 7:05:00 AM	AQ590
Chloromethane	ND	3.0		µg/L	1	4/11/2019 7:05:00 AM	AQ590
2-Chlorotoluene	ND	1.0		µg/L	1	4/11/2019 7:05:00 AM	AQ590
4-Chlorotoluene	ND	1.0		µg/L	1	4/11/2019 7:05:00 AM	AQ590
cis-1,2-DCE	ND	1.0		µg/L	1	4/11/2019 7:05:00 AM	AQ590
cis-1,3-Dichloropropene	ND	1.0		µg/L	1	4/11/2019 7:05:00 AM	AQ590
1,2-Dibromo-3-chloropropane	ND	2.0		µg/L	1	4/11/2019 7:05:00 AM	AQ590

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 Limit
S	% Recovery outside of range due to dilution or matrix		

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD **Lab Order:** 1904342
Project: Laguna

EPA METHOD 8260B: VOLATILES

Analyst: **RAA**

Dibromochloromethane	ND	1.0	µg/L	1	4/11/2019 7:05:00 AM	AQ590
Dibromomethane	ND	1.0	µg/L	1	4/11/2019 7:05:00 AM	AQ590
1,2-Dichlorobenzene	ND	1.0	µg/L	1	4/11/2019 7:05:00 AM	AQ590
1,3-Dichlorobenzene	ND	1.0	µg/L	1	4/11/2019 7:05:00 AM	AQ590
1,4-Dichlorobenzene	ND	1.0	µg/L	1	4/11/2019 7:05:00 AM	AQ590
Dichlorodifluoromethane	ND	1.0	µg/L	1	4/11/2019 7:05:00 AM	AQ590
1,1-Dichloroethane	1.5	1.0	µg/L	1	4/11/2019 7:05:00 AM	AQ590
1,1-Dichloroethene	1.4	1.0	µg/L	1	4/11/2019 7:05:00 AM	AQ590
1,2-Dichloropropane	ND	1.0	µg/L	1	4/11/2019 7:05:00 AM	AQ590
1,3-Dichloropropane	ND	1.0	µg/L	1	4/11/2019 7:05:00 AM	AQ590
2,2-Dichloropropane	ND	2.0	µg/L	1	4/11/2019 7:05:00 AM	AQ590
1,1-Dichloropropene	ND	1.0	µg/L	1	4/11/2019 7:05:00 AM	AQ590
Hexachlorobutadiene	ND	1.0	µg/L	1	4/11/2019 7:05:00 AM	AQ590
2-Hexanone	ND	10	µg/L	1	4/11/2019 7:05:00 AM	AQ590
Isopropylbenzene	ND	1.0	µg/L	1	4/11/2019 7:05:00 AM	AQ590
4-Isopropyltoluene	ND	1.0	µg/L	1	4/11/2019 7:05:00 AM	AQ590
4-Methyl-2-pentanone	ND	10	µg/L	1	4/11/2019 7:05:00 AM	AQ590
Methylene Chloride	ND	3.0	µg/L	1	4/11/2019 7:05:00 AM	AQ590
n-Butylbenzene	ND	3.0	µg/L	1	4/11/2019 7:05:00 AM	AQ590
n-Propylbenzene	ND	1.0	µg/L	1	4/11/2019 7:05:00 AM	AQ590
sec-Butylbenzene	ND	1.0	µg/L	1	4/11/2019 7:05:00 AM	AQ590
Styrene	ND	1.0	µg/L	1	4/11/2019 7:05:00 AM	AQ590
tert-Butylbenzene	ND	1.0	µg/L	1	4/11/2019 7:05:00 AM	AQ590
1,1,1,2-Tetrachloroethane	ND	1.0	µg/L	1	4/11/2019 7:05:00 AM	AQ590
1,1,2,2-Tetrachloroethane	ND	2.0	µg/L	1	4/11/2019 7:05:00 AM	AQ590
Tetrachloroethene (PCE)	ND	1.0	µg/L	1	4/11/2019 7:05:00 AM	AQ590
trans-1,2-DCE	ND	1.0	µg/L	1	4/11/2019 7:05:00 AM	AQ590
trans-1,3-Dichloropropene	ND	1.0	µg/L	1	4/11/2019 7:05:00 AM	AQ590
1,2,3-Trichlorobenzene	ND	1.0	µg/L	1	4/11/2019 7:05:00 AM	AQ590
1,2,4-Trichlorobenzene	ND	1.0	µg/L	1	4/11/2019 7:05:00 AM	AQ590
1,1,1-Trichloroethane	4.5	1.0	µg/L	1	4/11/2019 7:05:00 AM	AQ590
1,1,2-Trichloroethane	ND	1.0	µg/L	1	4/11/2019 7:05:00 AM	AQ590
Trichloroethene (TCE)	ND	1.0	µg/L	1	4/11/2019 7:05:00 AM	AQ590
Trichlorofluoromethane	ND	1.0	µg/L	1	4/11/2019 7:05:00 AM	AQ590
1,2,3-Trichloropropane	ND	2.0	µg/L	1	4/11/2019 7:05:00 AM	AQ590
Vinyl chloride	ND	1.0	µg/L	1	4/11/2019 7:05:00 AM	AQ590
Xylenes, Total	ND	1.5	µg/L	1	4/11/2019 7:05:00 AM	AQ590
Surr: 1,2-Dichloroethane-d4	98.7	70-130	%Rec	1	4/11/2019 7:05:00 AM	AQ590
Surr: 4-Bromofluorobenzene	98.2	70-130	%Rec	1	4/11/2019 7:05:00 AM	AQ590
Surr: Dibromofluoromethane	98.1	70-130	%Rec	1	4/11/2019 7:05:00 AM	AQ590
Surr: Toluene-d8	93.5	70-130	%Rec	1	4/11/2019 7:05:00 AM	AQ590

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 Limit
S	% Recovery outside of range due to dilution or matrix		

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD **Lab Order:** 1904342
Project: Laguna

Lab ID: 1904342-026 **Collection Date:** 4/4/2019 1:55:00 PM
Client Sample ID: GW-086241-040419-CM-6-54 **Matrix:** AQUEOUS

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch ID
EPA METHOD 8260B: VOLATILES						Analyst: **RAA**	
Benzene	ND	2.0		µg/L	2	4/11/2019 7:29:00 AM	AQ590
Toluene	ND	2.0		µg/L	2	4/11/2019 7:29:00 AM	AQ590
Ethylbenzene	ND	2.0		µg/L	2	4/11/2019 7:29:00 AM	AQ590
Methyl tert-butyl ether (MTBE)	ND	2.0		µg/L	2	4/11/2019 7:29:00 AM	AQ590
1,2,4-Trimethylbenzene	ND	2.0		µg/L	2	4/11/2019 7:29:00 AM	AQ590
1,3,5-Trimethylbenzene	ND	2.0		µg/L	2	4/11/2019 7:29:00 AM	AQ590
1,2-Dichloroethane (EDC)	ND	2.0		µg/L	2	4/11/2019 7:29:00 AM	AQ590
1,2-Dibromoethane (EDB)	ND	2.0		µg/L	2	4/11/2019 7:29:00 AM	AQ590
Naphthalene	ND	4.0		µg/L	2	4/11/2019 7:29:00 AM	AQ590
1-Methylnaphthalene	ND	8.0		µg/L	2	4/11/2019 7:29:00 AM	AQ590
2-Methylnaphthalene	ND	8.0		µg/L	2	4/11/2019 7:29:00 AM	AQ590
Acetone	170	20		µg/L	2	4/11/2019 7:29:00 AM	AQ590
Bromobenzene	ND	2.0		µg/L	2	4/11/2019 7:29:00 AM	AQ590
Bromodichloromethane	ND	2.0		µg/L	2	4/11/2019 7:29:00 AM	AQ590
Bromoform	ND	2.0		µg/L	2	4/11/2019 7:29:00 AM	AQ590
Bromomethane	ND	6.0		µg/L	2	4/11/2019 7:29:00 AM	AQ590
2-Butanone	200	20		µg/L	2	4/11/2019 7:29:00 AM	AQ590
Carbon disulfide	ND	20		µg/L	2	4/11/2019 7:29:00 AM	AQ590
Carbon Tetrachloride	ND	2.0		µg/L	2	4/11/2019 7:29:00 AM	AQ590
Chlorobenzene	ND	2.0		µg/L	2	4/11/2019 7:29:00 AM	AQ590
Chloroethane	15	4.0		µg/L	2	4/11/2019 7:29:00 AM	AQ590
Chloroform	ND	2.0		µg/L	2	4/11/2019 7:29:00 AM	AQ590
Chloromethane	ND	6.0		µg/L	2	4/11/2019 7:29:00 AM	AQ590
2-Chlorotoluene	ND	2.0		µg/L	2	4/11/2019 7:29:00 AM	AQ590
4-Chlorotoluene	ND	2.0		µg/L	2	4/11/2019 7:29:00 AM	AQ590
cis-1,2-DCE	ND	2.0		µg/L	2	4/11/2019 7:29:00 AM	AQ590
cis-1,3-Dichloropropene	ND	2.0		µg/L	2	4/11/2019 7:29:00 AM	AQ590
1,2-Dibromo-3-chloropropane	ND	4.0		µg/L	2	4/11/2019 7:29:00 AM	AQ590
Dibromochloromethane	ND	2.0		µg/L	2	4/11/2019 7:29:00 AM	AQ590
Dibromomethane	ND	2.0		µg/L	2	4/11/2019 7:29:00 AM	AQ590
1,2-Dichlorobenzene	ND	2.0		µg/L	2	4/11/2019 7:29:00 AM	AQ590
1,3-Dichlorobenzene	ND	2.0		µg/L	2	4/11/2019 7:29:00 AM	AQ590
1,4-Dichlorobenzene	ND	2.0		µg/L	2	4/11/2019 7:29:00 AM	AQ590
Dichlorodifluoromethane	ND	2.0		µg/L	2	4/11/2019 7:29:00 AM	AQ590
1,1-Dichloroethane	4.8	2.0		µg/L	2	4/11/2019 7:29:00 AM	AQ590
1,1-Dichloroethene	6.9	2.0		µg/L	2	4/11/2019 7:29:00 AM	AQ590
1,2-Dichloropropane	ND	2.0		µg/L	2	4/11/2019 7:29:00 AM	AQ590
1,3-Dichloropropane	ND	2.0		µg/L	2	4/11/2019 7:29:00 AM	AQ590

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 Limit
S	% Recovery outside of range due to dilution or matrix		

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD **Lab Order:** 1904342
Project: Laguna

EPA METHOD 8260B: VOLATILES

Analyst: **RAA**

2,2-Dichloropropane	ND	4.0	µg/L	2	4/11/2019 7:29:00 AM	AQ590
1,1-Dichloropropene	ND	2.0	µg/L	2	4/11/2019 7:29:00 AM	AQ590
Hexachlorobutadiene	ND	2.0	µg/L	2	4/11/2019 7:29:00 AM	AQ590
2-Hexanone	86	20	µg/L	2	4/11/2019 7:29:00 AM	AQ590
Isopropylbenzene	ND	2.0	µg/L	2	4/11/2019 7:29:00 AM	AQ590
4-Isopropyltoluene	ND	2.0	µg/L	2	4/11/2019 7:29:00 AM	AQ590
4-Methyl-2-pentanone	ND	20	µg/L	2	4/11/2019 7:29:00 AM	AQ590
Methylene Chloride	ND	6.0	µg/L	2	4/11/2019 7:29:00 AM	AQ590
n-Butylbenzene	ND	6.0	µg/L	2	4/11/2019 7:29:00 AM	AQ590
n-Propylbenzene	ND	2.0	µg/L	2	4/11/2019 7:29:00 AM	AQ590
sec-Butylbenzene	ND	2.0	µg/L	2	4/11/2019 7:29:00 AM	AQ590
Styrene	ND	2.0	µg/L	2	4/11/2019 7:29:00 AM	AQ590
tert-Butylbenzene	ND	2.0	µg/L	2	4/11/2019 7:29:00 AM	AQ590
1,1,1,2-Tetrachloroethane	ND	2.0	µg/L	2	4/11/2019 7:29:00 AM	AQ590
1,1,2,2-Tetrachloroethane	ND	4.0	µg/L	2	4/11/2019 7:29:00 AM	AQ590
Tetrachloroethene (PCE)	ND	2.0	µg/L	2	4/11/2019 7:29:00 AM	AQ590
trans-1,2-DCE	ND	2.0	µg/L	2	4/11/2019 7:29:00 AM	AQ590
trans-1,3-Dichloropropene	ND	2.0	µg/L	2	4/11/2019 7:29:00 AM	AQ590
1,2,3-Trichlorobenzene	ND	2.0	µg/L	2	4/11/2019 7:29:00 AM	AQ590
1,2,4-Trichlorobenzene	ND	2.0	µg/L	2	4/11/2019 7:29:00 AM	AQ590
1,1,1-Trichloroethane	ND	2.0	µg/L	2	4/11/2019 7:29:00 AM	AQ590
1,1,2-Trichloroethane	ND	2.0	µg/L	2	4/11/2019 7:29:00 AM	AQ590
Trichloroethene (TCE)	ND	2.0	µg/L	2	4/11/2019 7:29:00 AM	AQ590
Trichlorofluoromethane	ND	2.0	µg/L	2	4/11/2019 7:29:00 AM	AQ590
1,2,3-Trichloropropane	ND	4.0	µg/L	2	4/11/2019 7:29:00 AM	AQ590
Vinyl chloride	3.8	2.0	µg/L	2	4/11/2019 7:29:00 AM	AQ590
Xylenes, Total	ND	3.0	µg/L	2	4/11/2019 7:29:00 AM	AQ590
Surr: 1,2-Dichloroethane-d4	95.8	70-130	%Rec	2	4/11/2019 7:29:00 AM	AQ590
Surr: 4-Bromofluorobenzene	99.1	70-130	%Rec	2	4/11/2019 7:29:00 AM	AQ590
Surr: Dibromofluoromethane	96.0	70-130	%Rec	2	4/11/2019 7:29:00 AM	AQ590
Surr: Toluene-d8	93.6	70-130	%Rec	2	4/11/2019 7:29:00 AM	AQ590

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

Qualifiers:

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

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD **Lab Order:** 1904342
Project: Laguna

Lab ID: 1904342-027 **Collection Date:** 4/4/2019
Client Sample ID: GW-086241-040419-CM-DUP **Matrix:** AQUEOUS

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch ID
EPA METHOD 8260B: VOLATILES						Analyst: **RAA**	
Benzene	ND	1.0		µg/L	1	4/11/2019 7:53:00 AM	AQ590
Toluene	ND	1.0		µg/L	1	4/11/2019 7:53:00 AM	AQ590
Ethylbenzene	ND	1.0		µg/L	1	4/11/2019 7:53:00 AM	AQ590
Methyl tert-butyl ether (MTBE)	ND	1.0		µg/L	1	4/11/2019 7:53:00 AM	AQ590
1,2,4-Trimethylbenzene	ND	1.0		µg/L	1	4/11/2019 7:53:00 AM	AQ590
1,3,5-Trimethylbenzene	ND	1.0		µg/L	1	4/11/2019 7:53:00 AM	AQ590
1,2-Dichloroethane (EDC)	ND	1.0		µg/L	1	4/11/2019 7:53:00 AM	AQ590
1,2-Dibromoethane (EDB)	ND	1.0		µg/L	1	4/11/2019 7:53:00 AM	AQ590
Naphthalene	ND	2.0		µg/L	1	4/11/2019 7:53:00 AM	AQ590
1-Methylnaphthalene	ND	4.0		µg/L	1	4/11/2019 7:53:00 AM	AQ590
2-Methylnaphthalene	ND	4.0		µg/L	1	4/11/2019 7:53:00 AM	AQ590
Acetone	ND	10		µg/L	1	4/11/2019 7:53:00 AM	AQ590
Bromobenzene	ND	1.0		µg/L	1	4/11/2019 7:53:00 AM	AQ590
Bromodichloromethane	ND	1.0		µg/L	1	4/11/2019 7:53:00 AM	AQ590
Bromoform	ND	1.0		µg/L	1	4/11/2019 7:53:00 AM	AQ590
Bromomethane	ND	3.0		µg/L	1	4/11/2019 7:53:00 AM	AQ590
2-Butanone	ND	10		µg/L	1	4/11/2019 7:53:00 AM	AQ590
Carbon disulfide	ND	10		µg/L	1	4/11/2019 7:53:00 AM	AQ590
Carbon Tetrachloride	ND	1.0		µg/L	1	4/11/2019 7:53:00 AM	AQ590
Chlorobenzene	ND	1.0		µg/L	1	4/11/2019 7:53:00 AM	AQ590
Chloroethane	ND	2.0		µg/L	1	4/11/2019 7:53:00 AM	AQ590
Chloroform	ND	1.0		µg/L	1	4/11/2019 7:53:00 AM	AQ590
Chloromethane	ND	3.0		µg/L	1	4/11/2019 7:53:00 AM	AQ590
2-Chlorotoluene	ND	1.0		µg/L	1	4/11/2019 7:53:00 AM	AQ590
4-Chlorotoluene	ND	1.0		µg/L	1	4/11/2019 7:53:00 AM	AQ590
cis-1,2-DCE	ND	1.0		µg/L	1	4/11/2019 7:53:00 AM	AQ590
cis-1,3-Dichloropropene	ND	1.0		µg/L	1	4/11/2019 7:53:00 AM	AQ590
1,2-Dibromo-3-chloropropane	ND	2.0		µg/L	1	4/11/2019 7:53:00 AM	AQ590
Dibromochloromethane	ND	1.0		µg/L	1	4/11/2019 7:53:00 AM	AQ590
Dibromomethane	ND	1.0		µg/L	1	4/11/2019 7:53:00 AM	AQ590
1,2-Dichlorobenzene	ND	1.0		µg/L	1	4/11/2019 7:53:00 AM	AQ590
1,3-Dichlorobenzene	ND	1.0		µg/L	1	4/11/2019 7:53:00 AM	AQ590
1,4-Dichlorobenzene	ND	1.0		µg/L	1	4/11/2019 7:53:00 AM	AQ590
Dichlorodifluoromethane	ND	1.0		µg/L	1	4/11/2019 7:53:00 AM	AQ590
1,1-Dichloroethane	1.5	1.0		µg/L	1	4/11/2019 7:53:00 AM	AQ590
1,1-Dichloroethene	1.4	1.0		µg/L	1	4/11/2019 7:53:00 AM	AQ590
1,2-Dichloropropane	ND	1.0		µg/L	1	4/11/2019 7:53:00 AM	AQ590
1,3-Dichloropropane	ND	1.0		µg/L	1	4/11/2019 7:53:00 AM	AQ590

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 Limit
S	% Recovery outside of range due to dilution or matrix		

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD **Lab Order:** 1904342
Project: Laguna

EPA METHOD 8260B: VOLATILES

Analyst: **RAA**

2,2-Dichloropropane	ND	2.0	µg/L	1	4/11/2019 7:53:00 AM	AQ590
1,1-Dichloropropene	ND	1.0	µg/L	1	4/11/2019 7:53:00 AM	AQ590
Hexachlorobutadiene	ND	1.0	µg/L	1	4/11/2019 7:53:00 AM	AQ590
2-Hexanone	ND	10	µg/L	1	4/11/2019 7:53:00 AM	AQ590
Isopropylbenzene	ND	1.0	µg/L	1	4/11/2019 7:53:00 AM	AQ590
4-Isopropyltoluene	ND	1.0	µg/L	1	4/11/2019 7:53:00 AM	AQ590
4-Methyl-2-pentanone	ND	10	µg/L	1	4/11/2019 7:53:00 AM	AQ590
Methylene Chloride	ND	3.0	µg/L	1	4/11/2019 7:53:00 AM	AQ590
n-Butylbenzene	ND	3.0	µg/L	1	4/11/2019 7:53:00 AM	AQ590
n-Propylbenzene	ND	1.0	µg/L	1	4/11/2019 7:53:00 AM	AQ590
sec-Butylbenzene	ND	1.0	µg/L	1	4/11/2019 7:53:00 AM	AQ590
Styrene	ND	1.0	µg/L	1	4/11/2019 7:53:00 AM	AQ590
tert-Butylbenzene	ND	1.0	µg/L	1	4/11/2019 7:53:00 AM	AQ590
1,1,1,2-Tetrachloroethane	ND	1.0	µg/L	1	4/11/2019 7:53:00 AM	AQ590
1,1,2,2-Tetrachloroethane	ND	2.0	µg/L	1	4/11/2019 7:53:00 AM	AQ590
Tetrachloroethene (PCE)	ND	1.0	µg/L	1	4/11/2019 7:53:00 AM	AQ590
trans-1,2-DCE	ND	1.0	µg/L	1	4/11/2019 7:53:00 AM	AQ590
trans-1,3-Dichloropropene	ND	1.0	µg/L	1	4/11/2019 7:53:00 AM	AQ590
1,2,3-Trichlorobenzene	ND	1.0	µg/L	1	4/11/2019 7:53:00 AM	AQ590
1,2,4-Trichlorobenzene	ND	1.0	µg/L	1	4/11/2019 7:53:00 AM	AQ590
1,1,1-Trichloroethane	4.6	1.0	µg/L	1	4/11/2019 7:53:00 AM	AQ590
1,1,2-Trichloroethane	ND	1.0	µg/L	1	4/11/2019 7:53:00 AM	AQ590
Trichloroethene (TCE)	ND	1.0	µg/L	1	4/11/2019 7:53:00 AM	AQ590
Trichlorofluoromethane	ND	1.0	µg/L	1	4/11/2019 7:53:00 AM	AQ590
1,2,3-Trichloropropane	ND	2.0	µg/L	1	4/11/2019 7:53:00 AM	AQ590
Vinyl chloride	ND	1.0	µg/L	1	4/11/2019 7:53:00 AM	AQ590
Xylenes, Total	ND	1.5	µg/L	1	4/11/2019 7:53:00 AM	AQ590
Surr: 1,2-Dichloroethane-d4	100	70-130	%Rec	1	4/11/2019 7:53:00 AM	AQ590
Surr: 4-Bromofluorobenzene	99.4	70-130	%Rec	1	4/11/2019 7:53:00 AM	AQ590
Surr: Dibromofluoromethane	97.8	70-130	%Rec	1	4/11/2019 7:53:00 AM	AQ590
Surr: Toluene-d8	93.6	70-130	%Rec	1	4/11/2019 7:53:00 AM	AQ590

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

Qualifiers:

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

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: **1904342**

12-Sep-19

Client: GHD

Project: Laguna

Sample ID: **MB**	SampType: **mblk**	TestCode: **EPA Method 300.0: Anions**
Client ID: **PBW**	Batch ID: **R58946**	RunNo: **58946**
Prep Date:	Analysis Date: **4/5/2019**	SeqNo: **1982276** Units: **mg/L**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Nitrogen, Nitrate (As N)	ND	0.10								
Sulfate	ND	0.50								

Sample ID: **LCS**	SampType: **lcs**	TestCode: **EPA Method 300.0: Anions**
Client ID: **LCSW**	Batch ID: **R58946**	RunNo: **58946**
Prep Date:	Analysis Date: **4/5/2019**	SeqNo: **1982277** Units: **mg/L**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Nitrogen, Nitrate (As N)	2.5	0.10	2.500	0	102	90	110			
Sulfate	9.9	0.50	10.00	0	99.1	90	110			

Sample ID: **1904342-009DMS**	SampType: **ms**	TestCode: **EPA Method 300.0: Anions**
Client ID: **GW-086241-040419-**	Batch ID: **R58946**	RunNo: **58946**
Prep Date:	Analysis Date: **4/5/2019**	SeqNo: **1982302** Units: **mg/L**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Nitrogen, Nitrate (As N)	12	0.50	12.50	0	99.3	79.1	116			

Sample ID: **1904342-009DMSD**	SampType: **msd**	TestCode: **EPA Method 300.0: Anions**
Client ID: **GW-086241-040419-**	Batch ID: **R58946**	RunNo: **58946**
Prep Date:	Analysis Date: **4/5/2019**	SeqNo: **1982303** Units: **mg/L**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Nitrogen, Nitrate (As N)	12	0.50	12.50	0	98.9	79.1	116	0.411	20	

Sample ID: **MB**	SampType: **mblk**	TestCode: **EPA Method 300.0: Anions**
Client ID: **PBW**	Batch ID: **A59171**	RunNo: **59171**
Prep Date:	Analysis Date: **4/15/2019**	SeqNo: **1992291** 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: **A59171**	RunNo: **59171**
Prep Date:	Analysis Date: **4/16/2019**	SeqNo: **1992292** Units: **mg/L**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Sulfate	9.9	0.50	10.00	0	99.3	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
PQL	Practical Quanitative Limit	RL	Reporting Limit
S	% Recovery outside of range due to dilution or matrix		

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: **1904342**

12-Sep-19

Client: GHD

Project: Laguna

Sample ID: **MB-44287**	SampType: **MBLK**	TestCode: **EPA Method 8082A: PCB's**
Client ID: **PBW**	Batch ID: **44287**	RunNo: **59230**
Prep Date: **4/11/2019**	Analysis Date: **4/17/2019**	SeqNo: **1994071** Units: **µg/L**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Aroclor 1016	ND	0.25								
Aroclor 1221	ND	0.25								
Aroclor 1232	ND	0.25								
Aroclor 1242	ND	0.25								
Aroclor 1248	ND	0.25								
Aroclor 1254	ND	0.25								
Aroclor 1260	ND	0.25								
Surr: Decachlorobiphenyl	1.7		2.500		67.2	24.8	102			
Surr: Tetrachloro-m-xylene	1.7		2.500		67.2	15.6	106			

Sample ID: **LCS-44287**	SampType: **LCS**	TestCode: **EPA Method 8082A: PCB's**
Client ID: **LCSW**	Batch ID: **44287**	RunNo: **59230**
Prep Date: **4/11/2019**	Analysis Date: **4/17/2019**	SeqNo: **1994072** Units: **µg/L**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Aroclor 1016	4.1	0.25	5.000	0	81.0	25.9	120			
Aroclor 1260	3.9	0.25	5.000	0	78.4	38.4	134			
Surr: Decachlorobiphenyl	2.0		2.500		82.0	24.8	102			
Surr: Tetrachloro-m-xylene	2.2		2.500		86.0	15.6	106			

Qualifiers:

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

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: **1904342**

12-Sep-19

Client: GHD

Project: Laguna

Sample ID: **100ng lcs**	SampType: **LCS**	TestCode: **EPA Method 8260B: VOLATILES**
Client ID: **LCSW**	Batch ID: **R59035**	RunNo: **59035**
Prep Date:	Analysis Date: **4/10/2019**	SeqNo: **1987574** Units: **µg/L**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	21	1.0	20.00	0	103	70	130			
Toluene	20	1.0	20.00	0	101	70	130			
Chlorobenzene	21	1.0	20.00	0	103	70	130			
1,1-Dichloroethene	20	1.0	20.00	0	100	70	130			
Trichloroethene (TCE)	19	1.0	20.00	0	97.3	70	130			
Surr: 1,2-Dichloroethane-d4	10		10.00		101	70	130			
Surr: 4-Bromofluorobenzene	9.9		10.00		99.5	70	130			
Surr: Dibromofluoromethane	9.8		10.00		97.7	70	130			
Surr: Toluene-d8	9.4		10.00		94.3	70	130			

Sample ID: **RB**	SampType: **MBLK**	TestCode: **EPA Method 8260B: VOLATILES**
Client ID: **PBW**	Batch ID: **R59035**	RunNo: **59035**
Prep Date:	Analysis Date: **4/10/2019**	SeqNo: **1987577** 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:

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

QC SUMMARY REPORT
Hall Environmental Analysis Laboratory, Inc.

WO#: **1904342**
12-Sep-19

Client: GHD
Project: Laguna

Sample ID: **RB**	SampType: **MBLK**	TestCode: **EPA Method 8260B: VOLATILES**
Client ID: **PBW**	Batch ID: **R59035**	RunNo: **59035**
Prep Date:	Analysis Date: **4/10/2019**	SeqNo: **1987577** 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
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 Limit
S	% Recovery outside of range due to dilution or matrix		

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: **1904342**

12-Sep-19

Client: GHD

Project: Laguna

Sample ID: **RB**	SampType: **MBLK**	TestCode: **EPA Method 8260B: VOLATILES**
Client ID: **PBW**	Batch ID: **R59035**	RunNo: **59035**
Prep Date:	Analysis Date: **4/10/2019**	SeqNo: **1987577** 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	10		10.00		103	70	130			
Surr: 4-Bromofluorobenzene	10		10.00		99.6	70	130			
Surr: Dibromofluoromethane	10		10.00		100	70	130			
Surr: Toluene-d8	9.3		10.00		93.2	70	130			

Sample ID: **100ng lcs2**	SampType: **LCS**	TestCode: **EPA Method 8260B: VOLATILES**
Client ID: **LCSW**	Batch ID: **AQ59035**	RunNo: **59035**
Prep Date:	Analysis Date: **4/11/2019**	SeqNo: **1987721** Units: **µg/L**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	21	1.0	20.00	0	107	70	130			
Toluene	20	1.0	20.00	0	101	70	130			
Chlorobenzene	21	1.0	20.00	0	105	70	130			
1,1-Dichloroethene	20	1.0	20.00	0	101	70	130			
Trichloroethene (TCE)	20	1.0	20.00	0	101	70	130			
Surr: 1,2-Dichloroethane-d4	10		10.00		104	70	130			
Surr: 4-Bromofluorobenzene	9.8		10.00		98.5	70	130			
Surr: Dibromofluoromethane	10		10.00		99.7	70	130			
Surr: Toluene-d8	9.3		10.00		93.0	70	130			

Sample ID: **rb2**	SampType: **MBLK**	TestCode: **EPA Method 8260B: VOLATILES**
Client ID: **PBW**	Batch ID: **AQ59035**	RunNo: **59035**
Prep Date:	Analysis Date: **4/11/2019**	SeqNo: **1987722** 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								

Qualifiers:

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

QC SUMMARY REPORT
Hall Environmental Analysis Laboratory, Inc.

WO#: **1904342**
12-Sep-19

Client: GHD
Project: Laguna

Sample ID: **rb2**	SampType: **MBLK**	TestCode: **EPA Method 8260B: VOLATILES**
Client ID: **PBW**	Batch ID: **AQ59035**	RunNo: **59035**
Prep Date:	Analysis Date: **4/11/2019**	SeqNo: **1987722** Units: **µg/L**

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

Qualifiers:

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

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: **1904342**

12-Sep-19

Client: GHD

Project: Laguna

Sample ID: **rb2**	SampType: **MBLK**	TestCode: **EPA Method 8260B: VOLATILES**
Client ID: **PBW**	Batch ID: **AQ59035**	RunNo: **59035**
Prep Date:	Analysis Date: **4/11/2019**	SeqNo: **1987722** Units: **µg/L**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
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		103	70	130			
Surr: 4-Bromofluorobenzene	9.8		10.00		97.9	70	130			
Surr: Dibromofluoromethane	9.9		10.00		99.3	70	130			
Surr: Toluene-d8	9.3		10.00		93.2	70	130			

Sample ID: **1904342-017ams**	SampType: **MS**	TestCode: **EPA Method 8260B: VOLATILES**
Client ID: **GW-086241-040419-**	Batch ID: **AQ59035**	RunNo: **59035**
Prep Date:	Analysis Date: **4/11/2019**	SeqNo: **1987728** Units: **µg/L**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	22	1.0	20.00	3.752	92.1	70	130			
Toluene	20	1.0	20.00	1.302	91.2	70	130			
Chlorobenzene	19	1.0	20.00	0	95.4	70	130			
1,1-Dichloroethene	39	1.0	20.00	21.84	83.9	67.6	130			
Trichloroethene (TCE)	18	1.0	20.00	0.8720	84.5	70	130			
Surr: 1,2-Dichloroethane-d4	9.7		10.00		97.4	70	130			
Surr: 4-Bromofluorobenzene	9.9		10.00		99.1	70	130			
Surr: Dibromofluoromethane	9.4		10.00		94.0	70	130			
Surr: Toluene-d8	9.6		10.00		95.6	70	130			

Sample ID: **1904342-017amsd**	SampType: **MSD**	TestCode: **EPA Method 8260B: VOLATILES**
Client ID: **GW-086241-040419-**	Batch ID: **AQ59035**	RunNo: **59035**
Prep Date:	Analysis Date: **4/11/2019**	SeqNo: **1987729** Units: **µg/L**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	22	1.0	20.00	3.752	88.8	70	130	2.99	20	
Toluene	19	1.0	20.00	1.302	86.5	70	130	4.93	20	

Qualifiers:

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

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: **1904342**

12-Sep-19

Client: GHD

Project: Laguna

Sample ID: **1904342-017amsd** SampType: **MSD** TestCode: **EPA Method 8260B: VOLATILES**

Client ID: **GW-086241-040419-** Batch ID: **AQ59035** RunNo: **59035**

Prep Date: Analysis Date: **4/11/2019** SeqNo: **1987729** Units: **µg/L**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chlorobenzene	18	1.0	20.00	0	91.5	70	130	4.11	20	
1,1-Dichloroethene	38	1.0	20.00	21.84	78.5	67.6	130	2.85	20	
Trichloroethene (TCE)	17	1.0	20.00	0.8720	80.8	70	130	4.25	20	
Surr: 1,2-Dichloroethane-d4	9.8		10.00		97.8	70	130	0	0	
Surr: 4-Bromofluorobenzene	9.8		10.00		98.5	70	130	0	0	
Surr: Dibromofluoromethane	9.5		10.00		95.1	70	130	0	0	
Surr: Toluene-d8	9.4		10.00		93.6	70	130	0	0	

Sample ID: **1904342-001ams** SampType: **MS** TestCode: **EPA Method 8260B: VOLATILES**

Client ID: **GW-086241-040419-** Batch ID: **R59035** RunNo: **59035**

Prep Date: Analysis Date: **4/11/2019** SeqNo: **1987916** Units: **µg/L**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	21	1.0	20.00	0.1960	105	70	130			
Toluene	20	1.0	20.00	0	102	70	130			
Chlorobenzene	21	1.0	20.00	0	104	70	130			
1,1-Dichloroethene	21	1.0	20.00	0.3760	101	67.6	130			
Trichloroethene (TCE)	20	1.0	20.00	0.2840	98.3	70	130			
Surr: 1,2-Dichloroethane-d4	9.7		10.00		96.7	70	130			
Surr: 4-Bromofluorobenzene	9.9		10.00		98.9	70	130			
Surr: Dibromofluoromethane	9.4		10.00		94.4	70	130			
Surr: Toluene-d8	9.3		10.00		93.4	70	130			

Sample ID: **1904342-001amsd** SampType: **MSD** TestCode: **EPA Method 8260B: VOLATILES**

Client ID: **GW-086241-040419-** Batch ID: **R59035** RunNo: **59035**

Prep Date: Analysis Date: **4/11/2019** SeqNo: **1988560** Units: **µg/L**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	20	1.0	20.00	0.1960	97.4	70	130	7.55	20	
Toluene	19	1.0	20.00	0	94.5	70	130	7.51	20	
Chlorobenzene	19	1.0	20.00	0	96.2	70	130	7.82	20	
1,1-Dichloroethene	19	1.0	20.00	0.3760	91.1	67.6	130	9.99	20	
Trichloroethene (TCE)	18	1.0	20.00	0.2840	89.6	70	130	9.11	20	
Surr: 1,2-Dichloroethane-d4	9.9		10.00		99.3	70	130	0	0	
Surr: 4-Bromofluorobenzene	10		10.00		100	70	130	0	0	
Surr: Dibromofluoromethane	9.7		10.00		96.5	70	130	0	0	
Surr: Toluene-d8	9.4		10.00		94.0	70	130	0	0	

Qualifiers:

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

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: **1904342**

12-Sep-19

Client: GHD

Project: Laguna

Sample ID: **100ng lcs**	SampType: **LCS**	TestCode: **EPA Method 8260B: VOLATILES**
Client ID: **LCSW**	Batch ID: **R59071**	RunNo: **59071**
Prep Date:	Analysis Date: **4/11/2019**	SeqNo: **1988898** Units: **µg/L**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	23	1.0	20.00	0	114	70	130			
Toluene	22	1.0	20.00	0	110	70	130			
Chlorobenzene	23	1.0	20.00	0	114	70	130			
1,1-Dichloroethene	22	1.0	20.00	0	109	70	130			
Trichloroethene (TCE)	22	1.0	20.00	0	110	70	130			
Surr: 1,2-Dichloroethane-d4	10		10.00		101	70	130			
Surr: 4-Bromofluorobenzene	9.8		10.00		98.2	70	130			
Surr: Dibromofluoromethane	9.9		10.00		99.5	70	130			
Surr: Toluene-d8	9.4		10.00		94.2	70	130			

Sample ID: **rb**	SampType: **MBLK**	TestCode: **EPA Method 8260B: VOLATILES**
Client ID: **PBW**	Batch ID: **R59071**	RunNo: **59071**
Prep Date:	Analysis Date: **4/11/2019**	SeqNo: **1988899** 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:

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

QC SUMMARY REPORT
Hall Environmental Analysis Laboratory, Inc.

WO#: **1904342**
12-Sep-19

Client: GHD
Project: Laguna

Sample ID: **rb**	SampType: **MBLK**	TestCode: **EPA Method 8260B: VOLATILES**
Client ID: **PBW**	Batch ID: **R59071**	RunNo: **59071**
Prep Date:	Analysis Date: **4/11/2019**	SeqNo: **1988899** 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.
D	Sample Diluted Due to Matrix
H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit
PQL	Practical Quanitative Limit
S	% Recovery outside of range due to dilution or matrix
B	Analyte detected in the associated Method Blank
E	Value above quantitation range
J	Analyte detected below quantitation limits
P	Sample pH Not In Range
RL	Reporting Limit

QC SUMMARY REPORT
Hall Environmental Analysis Laboratory, Inc.

WO#: **1904342**
12-Sep-19

Client: GHD
Project: Laguna

Sample ID: **rb**	SampType: **MBLK**	TestCode: **EPA Method 8260B: VOLATILES**
Client ID: **PBW**	Batch ID: **R59071**	RunNo: **59071**
Prep Date:	Analysis Date: **4/11/2019**	SeqNo: **1988899** 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	9.9		10.00		99.1	70	130			
Surr: 4-Bromofluorobenzene	10		10.00		100	70	130			
Surr: Dibromofluoromethane	9.8		10.00		98.0	70	130			
Surr: Toluene-d8	9.3		10.00		92.9	70	130			

Qualifiers:

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

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: **1904342**

12-Sep-19

Client: GHD

Project: Laguna

Sample ID: **MB**	SampType: **MBLK**	TestCode: **EPA Method 9060 TOC**
Client ID: **PBW**	Batch ID: **R59019**	RunNo: **59019**
Prep Date:	Analysis Date: **4/9/2019**	SeqNo: **1985677** Units: **mg/L**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Total Organic Carbon	ND	1.0								

Sample ID: **LCS ST9060-18020 a**	SampType: **LCS**	TestCode: **EPA Method 9060 TOC**
Client ID: **LCSW**	Batch ID: **R59019**	RunNo: **59019**
Prep Date:	Analysis Date: **4/9/2019**	SeqNo: **1985678** Units: **mg/L**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Total Organic Carbon	5.0	1.0	4.850	0	104	90	110			

Sample ID: **1904342-012bms**	SampType: **MS**	TestCode: **EPA Method 9060 TOC**
Client ID: **GW-086241-040419-**	Batch ID: **R59019**	RunNo: **59019**
Prep Date:	Analysis Date: **4/9/2019**	SeqNo: **1985696** Units: **mg/L**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Total Organic Carbon	32	1.0	4.650	27.59	102	75	125			

Sample ID: **1904342-012bmsd**	SampType: **MSD**	TestCode: **EPA Method 9060 TOC**
Client ID: **GW-086241-040419-**	Batch ID: **R59019**	RunNo: **59019**
Prep Date:	Analysis Date: **4/9/2019**	SeqNo: **1985697** Units: **mg/L**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Total Organic Carbon	33	1.0	4.650	27.59	118	75	125	2.35	20	

Qualifiers:

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

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: 1904342 | RcptNo: 1

Received By: Yazmine Garduno 4/4/2019 4:09:00 PM

Completed By: Erin Melendrez 4/5/2019 9:11:52 AM

Reviewed By: YG 4/5/19
LB: DAD 4/5/19

Chain of Custody

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

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 ☐
   Samples were collected the same day and chilled.
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 ☑ DAD 4/5/19
10. Were any sample containers received broken? Yes ☐ No ☑
11. Does paperwork match bottle labels? (Note discrepancies on chain of custody) Yes ☑ No ☐
12. Are matrices correctly identified on Chain of Custody? Yes ☑ No ☐
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 ☐

# of preserved bottles checked for pH: 9
(<2 or >12 unless noted)
Adjusted? NO
Checked by: DAD 4/5/19

Special Handling (if applicable)

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

Person Notified: Christine Matthews Date:
By Whom: Leah Baca Via: ☐ eMail ☐ Phone ☐ Fax ☐ In Person
Regarding: Extra bottle for CH-06-19 -NO3 on COC (8082 CF testing)
Client Instructions: Dispose sample

16. Additional remarks:

17. **Cooler Information**

Cooler No	Temp °C	Condition	Seal Intact	Seal No	Seal Date	Signed By
1	5.7	Good	Yes			
2	6.5	Good	Yes			
3	10.1	Good	Yes			

Chain-of-Custody Record

Client: GHD Services

Mailing Address: 6121 Indian school #200 ABQ, NM 87110

Phone #: 505-269-0888

email or Fax#: christine.mathews@ghd.com

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

Accreditation: ☐ Az Compliance
☐ NELAC ☐ Other

☐ EDD (Type)

Turn-Around Time:
☒ Standard ☐ Rush

Project Name: Laguna

Project #: 086241

Project Manager: C. Mathews

Sampler: C. Mathews & C. Nelish

On Ice: ☒ Yes ☐ No

# of Coolers: 3

Cooler Temp(including CF): 5.7°, 6.5°, 10.1°C
5.6, 6.4, 10.0 +0.1CF=

HEAL No. 1904342

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 Name	Container Type and #	Preservative Type	HEAL No.	BTEX / MTBE / TMB's (8021)	TPH:8015D(GRO / DRO / MRO)	8081 Pesticides/8082 PCB's	EDB (Method 504.1)	PAHs by 8310 or 8270SIMS	RCRA 8 Metals	Cl, F, Br, NO_3, NO_2, PO_4, SO_4	8260 (VOA) Full List	8270 (Semi-VOA)	Total Coliform (Present/Absent)	8082 LF PCBs	Sulfate	Nitrate	TOC		
4/4/19	0925	GW	GW-086241-040419-CM-6-16	4	3 VOAs HCL 1 Amber-None	-001								X			X					
4/4/19	0935	GW	GW-086241-040419-CM-6-45	3 VOAs	HCL	-002								X								
4/4/19	0945	GW	GW-086241-040419-CM-6-46	3 VOAs	HCL	-003								X								
4/4/19	0955	GW	GW-086241-040419-CM-6-47	3 VOAs	HCL	-004								X								
4/4/19	1000	GW	GW-086241-040419-CM-6-19	3 VOAs	HCL	-005								X								
4/4/19	1005	GW	GW-086241-040419-CM-6-36	3 VOAs	HCL	-006								X								
4/4/19	1015	GW	GW-086241-040419-CM-6-44	3 VOAs	HCL	-007								X								
4/4/19	1020	GW	GW-086241-040419-CM-6-07	3 VOAs	HCL	-008								X								
4/4/19	1030	GW	GW-086241-040419-CM-6-13	8 various	various	-009								X			X	X	X	X		
4/4/19	1050	GW	GW-086241-040419-CM-6-09	8 various	various	-010								X			X	X	X	X		
4/4/19	1100	GW	GW-086241-040419-CM-6-14	8 various	various	-011								X			X	X	X	X		
4/4/19	1115	GW	GW-086241-040419-CM-6-20B	8 various	various	-012								X			X	X	X	X		

Date:	Time:	Relinquished by:	Received by:	Via:	Date	Time
4/4/19	1609			CDO	4/4/19	1609
Date:	Time:	Relinquished by:	Received by:	Via:	Date	Time

Remarks:
(CM) ~~6-45~~ C 6-16 collected @ 0925
6-45 collected @ 0935
6-46 collected @ 0945

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

Mailing Address: 6121 Indian School #200 ABQ, NM 87110

Phone #: 505-884-0672

email or Fax#: christine.matthews@ghd.com

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

Accreditation: ☐ Az Compliance
☐ NELAC ☐ Other

☐ EDD (Type)

Turn-Around Time:
☒ Standard ☐ Rush

Project Name: Laguna

Project #: 086241

Project Manager: C. Matthews

Sampler: C. Matthews & C. Neligh

On Ice: ☒ Yes ☐ No

# of Coolers: 3

Cooler Temp(including CF): 5.6, 6.4, 10.0 +0.1 CF = 5.7, 6.5, 10.1 CF

HEAL No. 1904342

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 Name	Container Type and #	Preservative Type	HEAL No.	BTEX / MTBE / TMB's (8021)	TPH:8015D(GRO / DRO / MRO)	8081 Pesticides/8082 PCB's	EDB (Method 504.1)	PAHs by 8310 or 8270SIMS	RCRA 8 Metals	Cl, F, Br, NO_3, NO_2, PO_4, SO_4	8260 (VOA) Full List	8270 (Semi-VOA)	Total Coliform (Present/Absent)	8082 LF PCBs	Sulfate	Nitrate	TOC
4/4/19	1125	GW	GW-086241-040419-CM-6-20	8 various	various	-013								X			X	X	X	X
4/4/19	1130	GW	GW-086241-040419-CM-6-21B	8 various	various	-014								X			X	X	X	X
4/4/19	1140	GW	GW-086241-040419-CM-6-21C	8 various	various	-015								X			X	X	X	X
4/4/19	1155	GW	GW-086241-040419-CM-6-22B	8 various	various	-016								X			X	X	X	X
4/4/19	1200	GW	GW-086241-040419-CM-6-22C	8 various	various	-017								X			X	X	X	X
4/4/19	1240	GW	GW-086241-040419-CM-6-40	4 3 VOAs 1 Amber	HCL None	-018								X			X			
4/4/19	1250	GW	GW-086241-040419-CM-6-12	3 VOAs 1 Amber	HCL None	-019								X			X			
4/4/19	1300	GW	GW-086241-040419-CM-6-40	3 VOAs 1 amber	HCL none									X			X			
4/4/19	1300	GW	GW-086241-040419-CM-6-41	3 VOAs 1 amber	HCL none	-020								X			X			
4/4/19	1310	GW	GW-086241-040419-CM-6-42	3 VOAs	HCL	-021								X						
4/4/19	1315	GW	GW-086241-040419-CM-6-08	3 VOAs	HCL	-022								X						
4/4/19	1325	GW	GW-086241-040419-CM-6-15	3 VOAs 1 amber	HCL none	-023								X			X			

Date:	Time:	Relinquished by:	Received by:	Via:	Date	Time
4/4/19	1609			CPU	4/4/19	1609
Date:	Time:	Relinquished by:	Received by:	Via:	Date	Time

Remarks:
6-41 collected @ 1300
6-42 collected @ 1310
6-08 collected @ 1315
6-15 collected @ 1325

Chain-of-Custody Record

Client: GHD Services

Mailing Address: 6121 Indian School #200 ABQ, NM 87110

Phone #: 505-884-0672

email or Fax#: christine.mathews@ghd.com

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

Accreditation: ☐ Az Compliance
☐ NELAC ☐ Other

☐ EDD (Type)

Turn-Around Time:
☒ Standard ☐ Rush

Project Name: Laguna

Project #: 086241

Project Manager: C. Mathews

Sampler: C. Mathews & C. Neligh

On Ice: ☒ Yes ☐ No

# of Coolers: 3

Cooler Temp(including CF): 5.6, 6.4, 10.0+0.1=5.7°C, 6.5°C, 10.1°C

HEAL No. 1904342

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 Name	Container Type and #	Preservative Type	HEAL No.	BTEX / MTBE / TMB's (8021)	TPH:8015D(GRO / DRO / MRO)	8081 Pesticides/8082 PCB's	EDB (Method 504.1)	PAHs by 8310 or 8270SIMS	RCRA 8 Metals	Cl, F, Br, NO_3, NO_2, PO_4, SO_4	8260 (VOA) Full List	8270 (Semi-VOA)	Total Coliform (Present/Absent)	8082 LF PCBs	Sulfate	Nitrate	TOC
4/4/19	1335	GW	GW-086241-040419-CM-6-18	3 voas	HCL	-024								X						
4/4/19	1345	GW	GW-086241-040419-CM-6-10	3 voas 1 amber	HCL none	-025								X			X			
4/4/19	1355	GW	GW-086241-040419-CM-~~6-54~~ 6-54	3 voas	HCL	-026								X						
4/4/19	—	GW	GW-086241-040419-CM-Dup	3 voas	HCL	-027								X						

Date:	Time:	Relinquished by:	Received by:	Via:	Date	Time
4/4/19	1609			CDO	4/4/19	1609
Date:	Time:	Relinquished by:	Received by:	Via:	Date	Time

Remarks: 1355 = 6-54

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

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

October 21, 2019

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

RE: Laguna Station 6 OrderNo.: 1909E60

Dear Christine Mathews:

Hall Environmental Analysis Laboratory received 28 sample(s) on 9/25/2019 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 #NM0901

Sincerely,

Andy Freeman
Laboratory Manager
4901 Hawkins NE
Albuquerque, NM 87109

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD
Client Sample ID: GW-086241-092519-CM-6-07
Project: Laguna Station 6
Collection Date: 9/25/2019 9:10:00 AM
Lab ID: 1909E60-001
Matrix: AQUEOUS
Received Date: 9/25/2019 2:45:00 PM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8260B: VOLATILES						Analyst: **DJF**	
Benzene	ND	1.0		µg/L	1	9/27/2019 4:05:07 AM	C63242
Toluene	ND	1.0		µg/L	1	9/27/2019 4:05:07 AM	C63242
Ethylbenzene	ND	1.0		µg/L	1	9/27/2019 4:05:07 AM	C63242
Methyl tert-butyl ether (MTBE)	ND	1.0		µg/L	1	9/27/2019 4:05:07 AM	C63242
1,2,4-Trimethylbenzene	ND	1.0		µg/L	1	9/27/2019 4:05:07 AM	C63242
1,3,5-Trimethylbenzene	ND	1.0		µg/L	1	9/27/2019 4:05:07 AM	C63242
1,2-Dichloroethane (EDC)	ND	1.0		µg/L	1	9/27/2019 4:05:07 AM	C63242
1,2-Dibromoethane (EDB)	ND	1.0		µg/L	1	9/27/2019 4:05:07 AM	C63242
Naphthalene	ND	2.0		µg/L	1	9/27/2019 4:05:07 AM	C63242
1-Methylnaphthalene	ND	4.0		µg/L	1	9/27/2019 4:05:07 AM	C63242
2-Methylnaphthalene	ND	4.0		µg/L	1	9/27/2019 4:05:07 AM	C63242
Acetone	ND	10		µg/L	1	9/27/2019 4:05:07 AM	C63242
Bromobenzene	ND	1.0		µg/L	1	9/27/2019 4:05:07 AM	C63242
Bromodichloromethane	ND	1.0		µg/L	1	9/27/2019 4:05:07 AM	C63242
Bromoform	ND	1.0		µg/L	1	9/27/2019 4:05:07 AM	C63242
Bromomethane	ND	3.0		µg/L	1	9/27/2019 4:05:07 AM	C63242
2-Butanone	ND	10		µg/L	1	9/27/2019 4:05:07 AM	C63242
Carbon disulfide	ND	10		µg/L	1	9/27/2019 4:05:07 AM	C63242
Carbon Tetrachloride	ND	1.0		µg/L	1	9/27/2019 4:05:07 AM	C63242
Chlorobenzene	ND	1.0		µg/L	1	9/27/2019 4:05:07 AM	C63242
Chloroethane	ND	2.0		µg/L	1	9/27/2019 4:05:07 AM	C63242
Chloroform	ND	1.0		µg/L	1	9/27/2019 4:05:07 AM	C63242
Chloromethane	ND	3.0		µg/L	1	9/27/2019 4:05:07 AM	C63242
2-Chlorotoluene	ND	1.0		µg/L	1	9/27/2019 4:05:07 AM	C63242
4-Chlorotoluene	ND	1.0		µg/L	1	9/27/2019 4:05:07 AM	C63242
cis-1,2-DCE	ND	1.0		µg/L	1	9/27/2019 4:05:07 AM	C63242
cis-1,3-Dichloropropene	ND	1.0		µg/L	1	9/27/2019 4:05:07 AM	C63242
1,2-Dibromo-3-chloropropane	ND	2.0		µg/L	1	9/27/2019 4:05:07 AM	C63242
Dibromochloromethane	ND	1.0		µg/L	1	9/27/2019 4:05:07 AM	C63242
Dibromomethane	ND	1.0		µg/L	1	9/27/2019 4:05:07 AM	C63242
1,2-Dichlorobenzene	ND	1.0		µg/L	1	9/27/2019 4:05:07 AM	C63242
1,3-Dichlorobenzene	ND	1.0		µg/L	1	9/27/2019 4:05:07 AM	C63242
1,4-Dichlorobenzene	ND	1.0		µg/L	1	9/27/2019 4:05:07 AM	C63242
Dichlorodifluoromethane	ND	1.0		µg/L	1	9/27/2019 4:05:07 AM	C63242
1,1-Dichloroethane	2.9	1.0		µg/L	1	9/27/2019 4:05:07 AM	C63242
1,1-Dichloroethene	10	1.0		µg/L	1	9/27/2019 4:05:07 AM	C63242
1,2-Dichloropropane	ND	1.0		µg/L	1	9/27/2019 4:05:07 AM	C63242
1,3-Dichloropropane	ND	1.0		µg/L	1	9/27/2019 4:05:07 AM	C63242
2,2-Dichloropropane	ND	2.0		µg/L	1	9/27/2019 4:05:07 AM	C63242

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 Limit
S	% Recovery outside of range due to dilution or matrix		

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD
Client Sample ID: GW-086241-092519-CM-6-07
Project: Laguna Station 6
Collection Date: 9/25/2019 9:10:00 AM
Lab ID: 1909E60-001
Matrix: AQUEOUS
Received Date: 9/25/2019 2:45:00 PM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8260B: VOLATILES						Analyst: **DJF**	
1,1-Dichloropropene	ND	1.0		µg/L	1	9/27/2019 4:05:07 AM	C63242
Hexachlorobutadiene	ND	1.0		µg/L	1	9/27/2019 4:05:07 AM	C63242
2-Hexanone	ND	10		µg/L	1	9/27/2019 4:05:07 AM	C63242
Isopropylbenzene	ND	1.0		µg/L	1	9/27/2019 4:05:07 AM	C63242
4-Isopropyltoluene	ND	1.0		µg/L	1	9/27/2019 4:05:07 AM	C63242
4-Methyl-2-pentanone	ND	10		µg/L	1	9/27/2019 4:05:07 AM	C63242
Methylene Chloride	ND	3.0		µg/L	1	9/27/2019 4:05:07 AM	C63242
n-Butylbenzene	ND	3.0		µg/L	1	9/27/2019 4:05:07 AM	C63242
n-Propylbenzene	ND	1.0		µg/L	1	9/27/2019 4:05:07 AM	C63242
sec-Butylbenzene	ND	1.0		µg/L	1	9/27/2019 4:05:07 AM	C63242
Styrene	ND	1.0		µg/L	1	9/27/2019 4:05:07 AM	C63242
tert-Butylbenzene	ND	1.0		µg/L	1	9/27/2019 4:05:07 AM	C63242
1,1,1,2-Tetrachloroethane	ND	1.0		µg/L	1	9/27/2019 4:05:07 AM	C63242
1,1,2,2-Tetrachloroethane	ND	2.0		µg/L	1	9/27/2019 4:05:07 AM	C63242
Tetrachloroethene (PCE)	ND	1.0		µg/L	1	9/27/2019 4:05:07 AM	C63242
trans-1,2-DCE	ND	1.0		µg/L	1	9/27/2019 4:05:07 AM	C63242
trans-1,3-Dichloropropene	ND	1.0		µg/L	1	9/27/2019 4:05:07 AM	C63242
1,2,3-Trichlorobenzene	ND	1.0		µg/L	1	9/27/2019 4:05:07 AM	C63242
1,2,4-Trichlorobenzene	ND	1.0		µg/L	1	9/27/2019 4:05:07 AM	C63242
1,1,1-Trichloroethane	ND	1.0		µg/L	1	9/27/2019 4:05:07 AM	C63242
1,1,2-Trichloroethane	ND	1.0		µg/L	1	9/27/2019 4:05:07 AM	C63242
Trichloroethene (TCE)	ND	1.0		µg/L	1	9/27/2019 4:05:07 AM	C63242
Trichlorofluoromethane	ND	1.0		µg/L	1	9/27/2019 4:05:07 AM	C63242
1,2,3-Trichloropropane	ND	2.0		µg/L	1	9/27/2019 4:05:07 AM	C63242
Vinyl chloride	ND	1.0		µg/L	1	9/27/2019 4:05:07 AM	C63242
Xylenes, Total	ND	1.5		µg/L	1	9/27/2019 4:05:07 AM	C63242
Surr: 1,2-Dichloroethane-d4	108	70-130		%Rec	1	9/27/2019 4:05:07 AM	C63242
Surr: 4-Bromofluorobenzene	87.0	70-130		%Rec	1	9/27/2019 4:05:07 AM	C63242
Surr: Dibromofluoromethane	111	70-130		%Rec	1	9/27/2019 4:05:07 AM	C63242
Surr: Toluene-d8	97.0	70-130		%Rec	1	9/27/2019 4:05:07 AM	C63242

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 Limit
S	% Recovery outside of range due to dilution or matrix		

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD
Client Sample ID: GW-086241-092519-CM-6-08
Project: Laguna Station 6
Collection Date: 9/25/2019 1:10:00 PM
Lab ID: 1909E60-002
Matrix: AQUEOUS
Received Date: 9/25/2019 2:45:00 PM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8260B: VOLATILES						Analyst: **DJF**	
Benzene	ND	1.0		µg/L	1	9/27/2019 5:33:09 AM	C63242
Toluene	ND	1.0		µg/L	1	9/27/2019 5:33:09 AM	C63242
Ethylbenzene	ND	1.0		µg/L	1	9/27/2019 5:33:09 AM	C63242
Methyl tert-butyl ether (MTBE)	ND	1.0		µg/L	1	9/27/2019 5:33:09 AM	C63242
1,2,4-Trimethylbenzene	ND	1.0		µg/L	1	9/27/2019 5:33:09 AM	C63242
1,3,5-Trimethylbenzene	ND	1.0		µg/L	1	9/27/2019 5:33:09 AM	C63242
1,2-Dichloroethane (EDC)	ND	1.0		µg/L	1	9/27/2019 5:33:09 AM	C63242
1,2-Dibromoethane (EDB)	ND	1.0		µg/L	1	9/27/2019 5:33:09 AM	C63242
Naphthalene	ND	2.0		µg/L	1	9/27/2019 5:33:09 AM	C63242
1-Methylnaphthalene	ND	4.0		µg/L	1	9/27/2019 5:33:09 AM	C63242
2-Methylnaphthalene	ND	4.0		µg/L	1	9/27/2019 5:33:09 AM	C63242
Acetone	ND	10		µg/L	1	9/27/2019 5:33:09 AM	C63242
Bromobenzene	ND	1.0		µg/L	1	9/27/2019 5:33:09 AM	C63242
Bromodichloromethane	ND	1.0		µg/L	1	9/27/2019 5:33:09 AM	C63242
Bromoform	ND	1.0		µg/L	1	9/27/2019 5:33:09 AM	C63242
Bromomethane	ND	3.0		µg/L	1	9/27/2019 5:33:09 AM	C63242
2-Butanone	ND	10		µg/L	1	9/27/2019 5:33:09 AM	C63242
Carbon disulfide	ND	10		µg/L	1	9/27/2019 5:33:09 AM	C63242
Carbon Tetrachloride	ND	1.0		µg/L	1	9/27/2019 5:33:09 AM	C63242
Chlorobenzene	ND	1.0		µg/L	1	9/27/2019 5:33:09 AM	C63242
Chloroethane	ND	2.0		µg/L	1	9/27/2019 5:33:09 AM	C63242
Chloroform	ND	1.0		µg/L	1	9/27/2019 5:33:09 AM	C63242
Chloromethane	ND	3.0		µg/L	1	9/27/2019 5:33:09 AM	C63242
2-Chlorotoluene	ND	1.0		µg/L	1	9/27/2019 5:33:09 AM	C63242
4-Chlorotoluene	ND	1.0		µg/L	1	9/27/2019 5:33:09 AM	C63242
cis-1,2-DCE	ND	1.0		µg/L	1	9/27/2019 5:33:09 AM	C63242
cis-1,3-Dichloropropene	ND	1.0		µg/L	1	9/27/2019 5:33:09 AM	C63242
1,2-Dibromo-3-chloropropane	ND	2.0		µg/L	1	9/27/2019 5:33:09 AM	C63242
Dibromochloromethane	ND	1.0		µg/L	1	9/27/2019 5:33:09 AM	C63242
Dibromomethane	ND	1.0		µg/L	1	9/27/2019 5:33:09 AM	C63242
1,2-Dichlorobenzene	ND	1.0		µg/L	1	9/27/2019 5:33:09 AM	C63242
1,3-Dichlorobenzene	ND	1.0		µg/L	1	9/27/2019 5:33:09 AM	C63242
1,4-Dichlorobenzene	ND	1.0		µg/L	1	9/27/2019 5:33:09 AM	C63242
Dichlorodifluoromethane	ND	1.0		µg/L	1	9/27/2019 5:33:09 AM	C63242
1,1-Dichloroethane	2.0	1.0		µg/L	1	9/27/2019 5:33:09 AM	C63242
1,1-Dichloroethene	ND	1.0		µg/L	1	9/27/2019 5:33:09 AM	C63242
1,2-Dichloropropane	ND	1.0		µg/L	1	9/27/2019 5:33:09 AM	C63242
1,3-Dichloropropane	ND	1.0		µg/L	1	9/27/2019 5:33:09 AM	C63242
2,2-Dichloropropane	ND	2.0		µg/L	1	9/27/2019 5:33:09 AM	C63242

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 Limit
S	% Recovery outside of range due to dilution or matrix		

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD
Client Sample ID: GW-086241-092519-CM-6-08
Project: Laguna Station 6
Collection Date: 9/25/2019 1:10:00 PM
Lab ID: 1909E60-002
Matrix: AQUEOUS
Received Date: 9/25/2019 2:45:00 PM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8260B: VOLATILES						Analyst: **DJF**	
1,1-Dichloropropene	ND	1.0		µg/L	1	9/27/2019 5:33:09 AM	C63242
Hexachlorobutadiene	ND	1.0		µg/L	1	9/27/2019 5:33:09 AM	C63242
2-Hexanone	ND	10		µg/L	1	9/27/2019 5:33:09 AM	C63242
Isopropylbenzene	ND	1.0		µg/L	1	9/27/2019 5:33:09 AM	C63242
4-Isopropyltoluene	ND	1.0		µg/L	1	9/27/2019 5:33:09 AM	C63242
4-Methyl-2-pentanone	ND	10		µg/L	1	9/27/2019 5:33:09 AM	C63242
Methylene Chloride	ND	3.0		µg/L	1	9/27/2019 5:33:09 AM	C63242
n-Butylbenzene	ND	3.0		µg/L	1	9/27/2019 5:33:09 AM	C63242
n-Propylbenzene	ND	1.0		µg/L	1	9/27/2019 5:33:09 AM	C63242
sec-Butylbenzene	ND	1.0		µg/L	1	9/27/2019 5:33:09 AM	C63242
Styrene	ND	1.0		µg/L	1	9/27/2019 5:33:09 AM	C63242
tert-Butylbenzene	ND	1.0		µg/L	1	9/27/2019 5:33:09 AM	C63242
1,1,1,2-Tetrachloroethane	ND	1.0		µg/L	1	9/27/2019 5:33:09 AM	C63242
1,1,2,2-Tetrachloroethane	ND	2.0		µg/L	1	9/27/2019 5:33:09 AM	C63242
Tetrachloroethene (PCE)	ND	1.0		µg/L	1	9/27/2019 5:33:09 AM	C63242
trans-1,2-DCE	ND	1.0		µg/L	1	9/27/2019 5:33:09 AM	C63242
trans-1,3-Dichloropropene	ND	1.0		µg/L	1	9/27/2019 5:33:09 AM	C63242
1,2,3-Trichlorobenzene	ND	1.0		µg/L	1	9/27/2019 5:33:09 AM	C63242
1,2,4-Trichlorobenzene	ND	1.0		µg/L	1	9/27/2019 5:33:09 AM	C63242
1,1,1-Trichloroethane	ND	1.0		µg/L	1	9/27/2019 5:33:09 AM	C63242
1,1,2-Trichloroethane	ND	1.0		µg/L	1	9/27/2019 5:33:09 AM	C63242
Trichloroethene (TCE)	ND	1.0		µg/L	1	9/27/2019 5:33:09 AM	C63242
Trichlorofluoromethane	ND	1.0		µg/L	1	9/27/2019 5:33:09 AM	C63242
1,2,3-Trichloropropane	ND	2.0		µg/L	1	9/27/2019 5:33:09 AM	C63242
Vinyl chloride	ND	1.0		µg/L	1	9/27/2019 5:33:09 AM	C63242
Xylenes, Total	ND	1.5		µg/L	1	9/27/2019 5:33:09 AM	C63242
Surr: 1,2-Dichloroethane-d4	106	70-130		%Rec	1	9/27/2019 5:33:09 AM	C63242
Surr: 4-Bromofluorobenzene	83.6	70-130		%Rec	1	9/27/2019 5:33:09 AM	C63242
Surr: Dibromofluoromethane	111	70-130		%Rec	1	9/27/2019 5:33:09 AM	C63242
Surr: Toluene-d8	100	70-130		%Rec	1	9/27/2019 5:33:09 AM	C63242

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 Limit
S	% Recovery outside of range due to dilution or matrix		

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD
Client Sample ID: GW-086241-092519-CM-6-09
Project: Laguna Station 6
Collection Date: 9/25/2019 9:45:00 AM
Lab ID: 1909E60-003
Matrix: AQUEOUS
Received Date: 9/25/2019 2:45:00 PM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 9060 TOC						Analyst: **SMS**	
Total Organic Carbon	1000	1.0		mg/L	1	10/5/2019 8:59:01 AM	A63487
EPA METHOD 300.0: ANIONS						Analyst: **CAS**	
Nitrogen, Nitrate (As N)	ND	0.50		mg/L	5	9/26/2019 4:10:28 PM	R63252
Sulfate	ND	2.5		mg/L	5	9/26/2019 4:10:28 PM	R63252
EPA METHOD 8082A: PCB'S						Analyst: **TOM**	
Aroclor 1016	ND	0.25		µg/L	1	10/4/2019 11:48:55 AM	47750
Aroclor 1221	ND	0.25		µg/L	1	10/4/2019 11:48:55 AM	47750
Aroclor 1232	ND	0.25		µg/L	1	10/4/2019 11:48:55 AM	47750
Aroclor 1242	4.8	0.25		µg/L	1	10/4/2019 11:48:55 AM	47750
Aroclor 1248	ND	0.25		µg/L	1	10/4/2019 11:48:55 AM	47750
Aroclor 1254	ND	0.25		µg/L	1	10/4/2019 11:48:55 AM	47750
Aroclor 1260	ND	0.25		µg/L	1	10/4/2019 11:48:55 AM	47750
Surr: Decachlorobiphenyl	74.4	24.8-102		%Rec	1	10/4/2019 11:48:55 AM	47750
Surr: Tetrachloro-m-xylene	65.6	15.6-106		%Rec	1	10/4/2019 11:48:55 AM	47750
EPA METHOD 8260B: VOLATILES						Analyst: **DJF**	
Benzene	2.1	1.0		µg/L	1	9/27/2019 6:02:19 AM	C63242
Toluene	ND	1.0		µg/L	1	9/27/2019 6:02:19 AM	C63242
Ethylbenzene	ND	1.0		µg/L	1	9/27/2019 6:02:19 AM	C63242
Methyl tert-butyl ether (MTBE)	ND	1.0		µg/L	1	9/27/2019 6:02:19 AM	C63242
1,2,4-Trimethylbenzene	ND	1.0		µg/L	1	9/27/2019 6:02:19 AM	C63242
1,3,5-Trimethylbenzene	ND	1.0		µg/L	1	9/27/2019 6:02:19 AM	C63242
1,2-Dichloroethane (EDC)	ND	1.0		µg/L	1	9/27/2019 6:02:19 AM	C63242
1,2-Dibromoethane (EDB)	ND	1.0		µg/L	1	9/27/2019 6:02:19 AM	C63242
Naphthalene	ND	2.0		µg/L	1	9/27/2019 6:02:19 AM	C63242
1-Methylnaphthalene	ND	4.0		µg/L	1	9/27/2019 6:02:19 AM	C63242
2-Methylnaphthalene	ND	4.0		µg/L	1	9/27/2019 6:02:19 AM	C63242
Acetone	140	10		µg/L	1	9/27/2019 9:43:01 PM	A63291
Bromobenzene	ND	1.0		µg/L	1	9/27/2019 6:02:19 AM	C63242
Bromodichloromethane	ND	1.0		µg/L	1	9/27/2019 6:02:19 AM	C63242
Bromoform	ND	1.0		µg/L	1	9/27/2019 6:02:19 AM	C63242
Bromomethane	ND	3.0		µg/L	1	9/27/2019 6:02:19 AM	C63242
2-Butanone	190	10		µg/L	1	9/27/2019 6:02:19 AM	C63242
Carbon disulfide	ND	10		µg/L	1	9/27/2019 6:02:19 AM	C63242
Carbon Tetrachloride	ND	1.0		µg/L	1	9/27/2019 6:02:19 AM	C63242
Chlorobenzene	ND	1.0		µg/L	1	9/27/2019 6:02:19 AM	C63242
Chloroethane	3.4	2.0		µg/L	1	9/27/2019 6:02:19 AM	C63242
Chloroform	ND	1.0		µg/L	1	9/27/2019 6:02:19 AM	C63242
Chloromethane	ND	3.0		µg/L	1	9/27/2019 6:02:19 AM	C63242

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 Limit
S	% Recovery outside of range due to dilution or matrix		

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD
Client Sample ID: GW-086241-092519-CM-6-09
Project: Laguna Station 6
Collection Date: 9/25/2019 9:45:00 AM
Lab ID: 1909E60-003
Matrix: AQUEOUS
Received Date: 9/25/2019 2:45:00 PM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8260B: VOLATILES						Analyst: **DJF**	
2-Chlorotoluene	ND	1.0		µg/L	1	9/27/2019 6:02:19 AM	C63242
4-Chlorotoluene	ND	1.0		µg/L	1	9/27/2019 6:02:19 AM	C63242
cis-1,2-DCE	ND	1.0		µg/L	1	9/27/2019 6:02:19 AM	C63242
cis-1,3-Dichloropropene	ND	1.0		µg/L	1	9/27/2019 6:02:19 AM	C63242
1,2-Dibromo-3-chloropropane	ND	2.0		µg/L	1	9/27/2019 6:02:19 AM	C63242
Dibromochloromethane	ND	1.0		µg/L	1	9/27/2019 6:02:19 AM	C63242
Dibromomethane	ND	1.0		µg/L	1	9/27/2019 6:02:19 AM	C63242
1,2-Dichlorobenzene	ND	1.0		µg/L	1	9/27/2019 6:02:19 AM	C63242
1,3-Dichlorobenzene	ND	1.0		µg/L	1	9/27/2019 6:02:19 AM	C63242
1,4-Dichlorobenzene	ND	1.0		µg/L	1	9/27/2019 6:02:19 AM	C63242
Dichlorodifluoromethane	ND	1.0		µg/L	1	9/27/2019 6:02:19 AM	C63242
1,1-Dichloroethane	22	1.0		µg/L	1	9/27/2019 6:02:19 AM	C63242
1,1-Dichloroethene	6.7	1.0		µg/L	1	9/27/2019 6:02:19 AM	C63242
1,2-Dichloropropane	ND	1.0		µg/L	1	9/27/2019 6:02:19 AM	C63242
1,3-Dichloropropane	ND	1.0		µg/L	1	9/27/2019 6:02:19 AM	C63242
2,2-Dichloropropane	ND	2.0		µg/L	1	9/27/2019 6:02:19 AM	C63242
1,1-Dichloropropene	ND	1.0		µg/L	1	9/27/2019 6:02:19 AM	C63242
Hexachlorobutadiene	ND	1.0		µg/L	1	9/27/2019 6:02:19 AM	C63242
2-Hexanone	98	10		µg/L	1	9/27/2019 6:02:19 AM	C63242
Isopropylbenzene	ND	1.0		µg/L	1	9/27/2019 6:02:19 AM	C63242
4-Isopropyltoluene	ND	1.0		µg/L	1	9/27/2019 6:02:19 AM	C63242
4-Methyl-2-pentanone	ND	10		µg/L	1	9/27/2019 6:02:19 AM	C63242
Methylene Chloride	ND	3.0		µg/L	1	9/27/2019 6:02:19 AM	C63242
n-Butylbenzene	ND	3.0		µg/L	1	9/27/2019 6:02:19 AM	C63242
n-Propylbenzene	ND	1.0		µg/L	1	9/27/2019 6:02:19 AM	C63242
sec-Butylbenzene	ND	1.0		µg/L	1	9/27/2019 6:02:19 AM	C63242
Styrene	ND	1.0		µg/L	1	9/27/2019 6:02:19 AM	C63242
tert-Butylbenzene	ND	1.0		µg/L	1	9/27/2019 6:02:19 AM	C63242
1,1,1,2-Tetrachloroethane	ND	1.0		µg/L	1	9/27/2019 6:02:19 AM	C63242
1,1,2,2-Tetrachloroethane	ND	2.0		µg/L	1	9/27/2019 6:02:19 AM	C63242
Tetrachloroethene (PCE)	ND	1.0		µg/L	1	9/27/2019 6:02:19 AM	C63242
trans-1,2-DCE	ND	1.0		µg/L	1	9/27/2019 6:02:19 AM	C63242
trans-1,3-Dichloropropene	ND	1.0		µg/L	1	9/27/2019 6:02:19 AM	C63242
1,2,3-Trichlorobenzene	ND	1.0		µg/L	1	9/27/2019 6:02:19 AM	C63242
1,2,4-Trichlorobenzene	ND	1.0		µg/L	1	9/27/2019 6:02:19 AM	C63242
1,1,1-Trichloroethane	ND	1.0		µg/L	1	9/27/2019 6:02:19 AM	C63242
1,1,2-Trichloroethane	ND	1.0		µg/L	1	9/27/2019 6:02:19 AM	C63242
Trichloroethene (TCE)	ND	1.0		µg/L	1	9/27/2019 6:02:19 AM	C63242
Trichlorofluoromethane	ND	1.0		µg/L	1	9/27/2019 6:02:19 AM	C63242

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 Limit
S	% Recovery outside of range due to dilution or matrix		

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD
Client Sample ID: GW-086241-092519-CM-6-09
Project: Laguna Station 6
Collection Date: 9/25/2019 9:45:00 AM
Lab ID: 1909E60-003
Matrix: AQUEOUS
Received Date: 9/25/2019 2:45:00 PM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8260B: VOLATILES						Analyst: **DJF**	
1,2,3-Trichloropropane	ND	2.0		µg/L	1	9/27/2019 6:02:19 AM	C63242
Vinyl chloride	ND	1.0		µg/L	1	9/27/2019 6:02:19 AM	C63242
Xylenes, Total	ND	1.5		µg/L	1	9/27/2019 6:02:19 AM	C63242
Surr: 1,2-Dichloroethane-d4	101	70-130		%Rec	1	9/27/2019 6:02:19 AM	C63242
Surr: 4-Bromofluorobenzene	83.2	70-130		%Rec	1	9/27/2019 6:02:19 AM	C63242
Surr: Dibromofluoromethane	106	70-130		%Rec	1	9/27/2019 6:02:19 AM	C63242
Surr: Toluene-d8	98.6	70-130		%Rec	1	9/27/2019 6:02:19 AM	C63242

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 Limit
S	% Recovery outside of range due to dilution or matrix		

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD
Client Sample ID: GW-086241-092519-CM-6-10
Project: Laguna Station 6
Collection Date: 9/25/2019 12:25:00 PM
Lab ID: 1909E60-004
Matrix: AQUEOUS
Received Date: 9/25/2019 2:45:00 PM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8082A: PCB'S						Analyst: **TOM**	
Aroclor 1016	ND	0.25		µg/L	1	10/4/2019 12:21:48 PM	47750
Aroclor 1221	ND	0.25		µg/L	1	10/4/2019 12:21:48 PM	47750
Aroclor 1232	ND	0.25		µg/L	1	10/4/2019 12:21:48 PM	47750
Aroclor 1242	27	0.25		µg/L	1	10/4/2019 12:21:48 PM	47750
Aroclor 1248	ND	0.25		µg/L	1	10/4/2019 12:21:48 PM	47750
Aroclor 1254	ND	0.25		µg/L	1	10/4/2019 12:21:48 PM	47750
Aroclor 1260	ND	0.25		µg/L	1	10/4/2019 12:21:48 PM	47750
Surr: Decachlorobiphenyl	64.0	24.8-102		%Rec	1	10/4/2019 12:21:48 PM	47750
Surr: Tetrachloro-m-xylene	57.6	15.6-106		%Rec	1	10/4/2019 12:21:48 PM	47750
EPA METHOD 8260B: VOLATILES						Analyst: **DJF**	
Benzene	ND	1.0		µg/L	1	9/27/2019 6:31:41 AM	C63242
Toluene	ND	1.0		µg/L	1	9/27/2019 6:31:41 AM	C63242
Ethylbenzene	ND	1.0		µg/L	1	9/27/2019 6:31:41 AM	C63242
Methyl tert-butyl ether (MTBE)	ND	1.0		µg/L	1	9/27/2019 6:31:41 AM	C63242
1,2,4-Trimethylbenzene	ND	1.0		µg/L	1	9/27/2019 6:31:41 AM	C63242
1,3,5-Trimethylbenzene	ND	1.0		µg/L	1	9/27/2019 6:31:41 AM	C63242
1,2-Dichloroethane (EDC)	ND	1.0		µg/L	1	9/27/2019 6:31:41 AM	C63242
1,2-Dibromoethane (EDB)	ND	1.0		µg/L	1	9/27/2019 6:31:41 AM	C63242
Naphthalene	ND	2.0		µg/L	1	9/27/2019 6:31:41 AM	C63242
1-Methylnaphthalene	ND	4.0		µg/L	1	9/27/2019 6:31:41 AM	C63242
2-Methylnaphthalene	ND	4.0		µg/L	1	9/27/2019 6:31:41 AM	C63242
Acetone	ND	10		µg/L	1	9/27/2019 6:31:41 AM	C63242
Bromobenzene	ND	1.0		µg/L	1	9/27/2019 6:31:41 AM	C63242
Bromodichloromethane	ND	1.0		µg/L	1	9/27/2019 6:31:41 AM	C63242
Bromoform	ND	1.0		µg/L	1	9/27/2019 6:31:41 AM	C63242
Bromomethane	ND	3.0		µg/L	1	9/27/2019 6:31:41 AM	C63242
2-Butanone	ND	10		µg/L	1	9/27/2019 6:31:41 AM	C63242
Carbon disulfide	ND	10		µg/L	1	9/27/2019 6:31:41 AM	C63242
Carbon Tetrachloride	ND	1.0		µg/L	1	9/27/2019 6:31:41 AM	C63242
Chlorobenzene	ND	1.0		µg/L	1	9/27/2019 6:31:41 AM	C63242
Chloroethane	ND	2.0		µg/L	1	9/27/2019 6:31:41 AM	C63242
Chloroform	ND	1.0		µg/L	1	9/27/2019 6:31:41 AM	C63242
Chloromethane	ND	3.0		µg/L	1	9/27/2019 6:31:41 AM	C63242
2-Chlorotoluene	ND	1.0		µg/L	1	9/27/2019 6:31:41 AM	C63242
4-Chlorotoluene	ND	1.0		µg/L	1	9/27/2019 6:31:41 AM	C63242
cis-1,2-DCE	ND	1.0		µg/L	1	9/27/2019 6:31:41 AM	C63242
cis-1,3-Dichloropropene	ND	1.0		µg/L	1	9/27/2019 6:31:41 AM	C63242
1,2-Dibromo-3-chloropropane	ND	2.0		µg/L	1	9/27/2019 6:31:41 AM	C63242
Dibromochloromethane	ND	1.0		µg/L	1	9/27/2019 6:31:41 AM	C63242

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 Limit
S	% Recovery outside of range due to dilution or matrix		

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD
Client Sample ID: GW-086241-092519-CM-6-10
Project: Laguna Station 6
Collection Date: 9/25/2019 12:25:00 PM
Lab ID: 1909E60-004
Matrix: AQUEOUS
Received Date: 9/25/2019 2:45:00 PM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8260B: VOLATILES						Analyst: **DJF**	
Dibromomethane	ND	1.0		µg/L	1	9/27/2019 6:31:41 AM	C63242
1,2-Dichlorobenzene	ND	1.0		µg/L	1	9/27/2019 6:31:41 AM	C63242
1,3-Dichlorobenzene	ND	1.0		µg/L	1	9/27/2019 6:31:41 AM	C63242
1,4-Dichlorobenzene	ND	1.0		µg/L	1	9/27/2019 6:31:41 AM	C63242
Dichlorodifluoromethane	ND	1.0		µg/L	1	9/27/2019 6:31:41 AM	C63242
1,1-Dichloroethane	1.9	1.0		µg/L	1	9/27/2019 6:31:41 AM	C63242
1,1-Dichloroethene	1.4	1.0		µg/L	1	9/27/2019 6:31:41 AM	C63242
1,2-Dichloropropane	ND	1.0		µg/L	1	9/27/2019 6:31:41 AM	C63242
1,3-Dichloropropane	ND	1.0		µg/L	1	9/27/2019 6:31:41 AM	C63242
2,2-Dichloropropane	ND	2.0		µg/L	1	9/27/2019 6:31:41 AM	C63242
1,1-Dichloropropene	ND	1.0		µg/L	1	9/27/2019 6:31:41 AM	C63242
Hexachlorobutadiene	ND	1.0		µg/L	1	9/27/2019 6:31:41 AM	C63242
2-Hexanone	ND	10		µg/L	1	9/27/2019 6:31:41 AM	C63242
Isopropylbenzene	ND	1.0		µg/L	1	9/27/2019 6:31:41 AM	C63242
4-Isopropyltoluene	ND	1.0		µg/L	1	9/27/2019 6:31:41 AM	C63242
4-Methyl-2-pentanone	ND	10		µg/L	1	9/27/2019 6:31:41 AM	C63242
Methylene Chloride	ND	3.0		µg/L	1	9/27/2019 6:31:41 AM	C63242
n-Butylbenzene	ND	3.0		µg/L	1	9/27/2019 6:31:41 AM	C63242
n-Propylbenzene	ND	1.0		µg/L	1	9/27/2019 6:31:41 AM	C63242
sec-Butylbenzene	ND	1.0		µg/L	1	9/27/2019 6:31:41 AM	C63242
Styrene	ND	1.0		µg/L	1	9/27/2019 6:31:41 AM	C63242
tert-Butylbenzene	ND	1.0		µg/L	1	9/27/2019 6:31:41 AM	C63242
1,1,1,2-Tetrachloroethane	ND	1.0		µg/L	1	9/27/2019 6:31:41 AM	C63242
1,1,2,2-Tetrachloroethane	ND	2.0		µg/L	1	9/27/2019 6:31:41 AM	C63242
Tetrachloroethene (PCE)	ND	1.0		µg/L	1	9/27/2019 6:31:41 AM	C63242
trans-1,2-DCE	ND	1.0		µg/L	1	9/27/2019 6:31:41 AM	C63242
trans-1,3-Dichloropropene	ND	1.0		µg/L	1	9/27/2019 6:31:41 AM	C63242
1,2,3-Trichlorobenzene	ND	1.0		µg/L	1	9/27/2019 6:31:41 AM	C63242
1,2,4-Trichlorobenzene	ND	1.0		µg/L	1	9/27/2019 6:31:41 AM	C63242
1,1,1-Trichloroethane	4.1	1.0		µg/L	1	9/27/2019 6:31:41 AM	C63242
1,1,2-Trichloroethane	ND	1.0		µg/L	1	9/27/2019 6:31:41 AM	C63242
Trichloroethene (TCE)	ND	1.0		µg/L	1	9/27/2019 6:31:41 AM	C63242
Trichlorofluoromethane	ND	1.0		µg/L	1	9/27/2019 6:31:41 AM	C63242
1,2,3-Trichloropropane	ND	2.0		µg/L	1	9/27/2019 6:31:41 AM	C63242
Vinyl chloride	ND	1.0		µg/L	1	9/27/2019 6:31:41 AM	C63242
Xylenes, Total	ND	1.5		µg/L	1	9/27/2019 6:31:41 AM	C63242
Surr: 1,2-Dichloroethane-d4	101	70-130		%Rec	1	9/27/2019 6:31:41 AM	C63242
Surr: 4-Bromofluorobenzene	85.3	70-130		%Rec	1	9/27/2019 6:31:41 AM	C63242
Surr: Dibromofluoromethane	107	70-130		%Rec	1	9/27/2019 6:31:41 AM	C63242

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 Limit
S	% Recovery outside of range due to dilution or matrix		

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD
Client Sample ID: GW-086241-092519-CM-6-10
Project: Laguna Station 6
Collection Date: 9/25/2019 12:25:00 PM
Lab ID: 1909E60-004
Matrix: AQUEOUS
Received Date: 9/25/2019 2:45:00 PM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8260B: VOLATILES						Analyst: **DJF**	
Surr: Toluene-d8	102	70-130		%Rec	1	9/27/2019 6:31:41 AM	C63242

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 Limit
S	% Recovery outside of range due to dilution or matrix		

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD
Client Sample ID: GW-086241-092519-CM-6-12
Project: Laguna Station 6
Collection Date: 9/25/2019 12:10:00 PM
Lab ID: 1909E60-005
Matrix: AQUEOUS
Received Date: 9/25/2019 2:45:00 PM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8082A: PCB'S						Analyst: **TOM**	
Aroclor 1016	ND	0.25		µg/L	1	10/3/2019 12:47:08 PM	47750
Aroclor 1221	ND	0.25		µg/L	1	10/3/2019 12:47:08 PM	47750
Aroclor 1232	ND	0.25		µg/L	1	10/3/2019 12:47:08 PM	47750
Aroclor 1242	ND	0.25		µg/L	1	10/3/2019 12:47:08 PM	47750
Aroclor 1248	ND	0.25		µg/L	1	10/3/2019 12:47:08 PM	47750
Aroclor 1254	ND	0.25		µg/L	1	10/3/2019 12:47:08 PM	47750
Aroclor 1260	ND	0.25		µg/L	1	10/3/2019 12:47:08 PM	47750
Surr: Decachlorobiphenyl	64.0	24.8-102		%Rec	1	10/3/2019 12:47:08 PM	47750
Surr: Tetrachloro-m-xylene	61.2	15.6-106		%Rec	1	10/3/2019 12:47:08 PM	47750
EPA METHOD 8260B: VOLATILES						Analyst: **DJF**	
Benzene	ND	1.0		µg/L	1	9/27/2019 7:01:06 AM	C63242
Toluene	ND	1.0		µg/L	1	9/27/2019 7:01:06 AM	C63242
Ethylbenzene	ND	1.0		µg/L	1	9/27/2019 7:01:06 AM	C63242
Methyl tert-butyl ether (MTBE)	ND	1.0		µg/L	1	9/27/2019 7:01:06 AM	C63242
1,2,4-Trimethylbenzene	ND	1.0		µg/L	1	9/27/2019 7:01:06 AM	C63242
1,3,5-Trimethylbenzene	ND	1.0		µg/L	1	9/27/2019 7:01:06 AM	C63242
1,2-Dichloroethane (EDC)	ND	1.0		µg/L	1	9/27/2019 7:01:06 AM	C63242
1,2-Dibromoethane (EDB)	ND	1.0		µg/L	1	9/27/2019 7:01:06 AM	C63242
Naphthalene	ND	2.0		µg/L	1	9/27/2019 7:01:06 AM	C63242
1-Methylnaphthalene	ND	4.0		µg/L	1	9/27/2019 7:01:06 AM	C63242
2-Methylnaphthalene	ND	4.0		µg/L	1	9/27/2019 7:01:06 AM	C63242
Acetone	ND	10		µg/L	1	9/27/2019 7:01:06 AM	C63242
Bromobenzene	ND	1.0		µg/L	1	9/27/2019 7:01:06 AM	C63242
Bromodichloromethane	ND	1.0		µg/L	1	9/27/2019 7:01:06 AM	C63242
Bromoform	ND	1.0		µg/L	1	9/27/2019 7:01:06 AM	C63242
Bromomethane	ND	3.0		µg/L	1	9/27/2019 7:01:06 AM	C63242
2-Butanone	ND	10		µg/L	1	9/27/2019 7:01:06 AM	C63242
Carbon disulfide	ND	10		µg/L	1	9/27/2019 7:01:06 AM	C63242
Carbon Tetrachloride	ND	1.0		µg/L	1	9/27/2019 7:01:06 AM	C63242
Chlorobenzene	ND	1.0		µg/L	1	9/27/2019 7:01:06 AM	C63242
Chloroethane	ND	2.0		µg/L	1	9/27/2019 7:01:06 AM	C63242
Chloroform	ND	1.0		µg/L	1	9/27/2019 7:01:06 AM	C63242
Chloromethane	ND	3.0		µg/L	1	9/27/2019 7:01:06 AM	C63242
2-Chlorotoluene	ND	1.0		µg/L	1	9/27/2019 7:01:06 AM	C63242
4-Chlorotoluene	ND	1.0		µg/L	1	9/27/2019 7:01:06 AM	C63242
cis-1,2-DCE	1.3	1.0		µg/L	1	9/27/2019 7:01:06 AM	C63242
cis-1,3-Dichloropropene	ND	1.0		µg/L	1	9/27/2019 7:01:06 AM	C63242
1,2-Dibromo-3-chloropropane	ND	2.0		µg/L	1	9/27/2019 7:01:06 AM	C63242
Dibromochloromethane	ND	1.0		µg/L	1	9/27/2019 7:01:06 AM	C63242

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 Limit
S	% Recovery outside of range due to dilution or matrix		

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD
Client Sample ID: GW-086241-092519-CM-6-12
Project: Laguna Station 6
Collection Date: 9/25/2019 12:10:00 PM
Lab ID: 1909E60-005
Matrix: AQUEOUS
Received Date: 9/25/2019 2:45:00 PM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8260B: VOLATILES						Analyst: **DJF**	
Dibromomethane	ND	1.0		µg/L	1	9/27/2019 7:01:06 AM	C63242
1,2-Dichlorobenzene	ND	1.0		µg/L	1	9/27/2019 7:01:06 AM	C63242
1,3-Dichlorobenzene	ND	1.0		µg/L	1	9/27/2019 7:01:06 AM	C63242
1,4-Dichlorobenzene	ND	1.0		µg/L	1	9/27/2019 7:01:06 AM	C63242
Dichlorodifluoromethane	ND	1.0		µg/L	1	9/27/2019 7:01:06 AM	C63242
1,1-Dichloroethane	80	1.0		µg/L	1	9/27/2019 7:01:06 AM	C63242
1,1-Dichloroethene	22	1.0		µg/L	1	9/27/2019 7:01:06 AM	C63242
1,2-Dichloropropane	ND	1.0		µg/L	1	9/27/2019 7:01:06 AM	C63242
1,3-Dichloropropane	ND	1.0		µg/L	1	9/27/2019 7:01:06 AM	C63242
2,2-Dichloropropane	ND	2.0		µg/L	1	9/27/2019 7:01:06 AM	C63242
1,1-Dichloropropene	ND	1.0		µg/L	1	9/27/2019 7:01:06 AM	C63242
Hexachlorobutadiene	ND	1.0		µg/L	1	9/27/2019 7:01:06 AM	C63242
2-Hexanone	ND	10		µg/L	1	9/27/2019 7:01:06 AM	C63242
Isopropylbenzene	ND	1.0		µg/L	1	9/27/2019 7:01:06 AM	C63242
4-Isopropyltoluene	ND	1.0		µg/L	1	9/27/2019 7:01:06 AM	C63242
4-Methyl-2-pentanone	ND	10		µg/L	1	9/27/2019 7:01:06 AM	C63242
Methylene Chloride	ND	3.0		µg/L	1	9/27/2019 7:01:06 AM	C63242
n-Butylbenzene	ND	3.0		µg/L	1	9/27/2019 7:01:06 AM	C63242
n-Propylbenzene	ND	1.0		µg/L	1	9/27/2019 7:01:06 AM	C63242
sec-Butylbenzene	ND	1.0		µg/L	1	9/27/2019 7:01:06 AM	C63242
Styrene	ND	1.0		µg/L	1	9/27/2019 7:01:06 AM	C63242
tert-Butylbenzene	ND	1.0		µg/L	1	9/27/2019 7:01:06 AM	C63242
1,1,1,2-Tetrachloroethane	ND	1.0		µg/L	1	9/27/2019 7:01:06 AM	C63242
1,1,2,2-Tetrachloroethane	ND	2.0		µg/L	1	9/27/2019 7:01:06 AM	C63242
Tetrachloroethene (PCE)	ND	1.0		µg/L	1	9/27/2019 7:01:06 AM	C63242
trans-1,2-DCE	ND	1.0		µg/L	1	9/27/2019 7:01:06 AM	C63242
trans-1,3-Dichloropropene	ND	1.0		µg/L	1	9/27/2019 7:01:06 AM	C63242
1,2,3-Trichlorobenzene	ND	1.0		µg/L	1	9/27/2019 7:01:06 AM	C63242
1,2,4-Trichlorobenzene	ND	1.0		µg/L	1	9/27/2019 7:01:06 AM	C63242
1,1,1-Trichloroethane	ND	1.0		µg/L	1	9/27/2019 7:01:06 AM	C63242
1,1,2-Trichloroethane	ND	1.0		µg/L	1	9/27/2019 7:01:06 AM	C63242
Trichloroethene (TCE)	ND	1.0		µg/L	1	9/27/2019 7:01:06 AM	C63242
Trichlorofluoromethane	ND	1.0		µg/L	1	9/27/2019 7:01:06 AM	C63242
1,2,3-Trichloropropane	ND	2.0		µg/L	1	9/27/2019 7:01:06 AM	C63242
Vinyl chloride	ND	1.0		µg/L	1	9/27/2019 7:01:06 AM	C63242
Xylenes, Total	ND	1.5		µg/L	1	9/27/2019 7:01:06 AM	C63242
Surr: 1,2-Dichloroethane-d4	108	70-130		%Rec	1	9/27/2019 7:01:06 AM	C63242
Surr: 4-Bromofluorobenzene	84.7	70-130		%Rec	1	9/27/2019 7:01:06 AM	C63242
Surr: Dibromofluoromethane	111	70-130		%Rec	1	9/27/2019 7:01:06 AM	C63242

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 Limit
S	% Recovery outside of range due to dilution or matrix		

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD
Client Sample ID: GW-086241-092519-CM-6-12
Project: Laguna Station 6
Collection Date: 9/25/2019 12:10:00 PM
Lab ID: 1909E60-005
Matrix: AQUEOUS
Received Date: 9/25/2019 2:45:00 PM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8260B: VOLATILES						Analyst: **DJF**	
Surr: Toluene-d8	102	70-130		%Rec	1	9/27/2019 7:01:06 AM	C63242

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 Limit
S	% Recovery outside of range due to dilution or matrix		

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD
Client Sample ID: GW-086241-092519-CM-6-13
Project: Laguna Station 6
Collection Date: 9/25/2019 9:20:00 AM
Lab ID: 1909E60-006
Matrix: AQUEOUS
Received Date: 9/25/2019 2:45:00 PM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 9060 TOC						Analyst: **SMS**	
Total Organic Carbon	54	1.0		mg/L	1	10/5/2019 9:20:14 AM	A63487
EPA METHOD 300.0: ANIONS						Analyst: **CAS**	
Nitrogen, Nitrate (As N)	ND	0.50		mg/L	5	9/26/2019 4:35:17 PM	R63252
Sulfate	200	2.5		mg/L	5	9/26/2019 4:35:17 PM	R63252
EPA METHOD 8082A: PCB'S						Analyst: **TOM**	
Aroclor 1016	ND	0.25		µg/L	1	10/3/2019 1:20:09 PM	47750
Aroclor 1221	ND	0.25		µg/L	1	10/3/2019 1:20:09 PM	47750
Aroclor 1232	ND	0.25		µg/L	1	10/3/2019 1:20:09 PM	47750
Aroclor 1242	ND	0.25		µg/L	1	10/3/2019 1:20:09 PM	47750
Aroclor 1248	ND	0.25		µg/L	1	10/3/2019 1:20:09 PM	47750
Aroclor 1254	ND	0.25		µg/L	1	10/3/2019 1:20:09 PM	47750
Aroclor 1260	ND	0.25		µg/L	1	10/3/2019 1:20:09 PM	47750
Surr: Decachlorobiphenyl	64.0	24.8-102		%Rec	1	10/3/2019 1:20:09 PM	47750
Surr: Tetrachloro-m-xylene	65.6	15.6-106		%Rec	1	10/3/2019 1:20:09 PM	47750
EPA METHOD 8260B: VOLATILES						Analyst: **DJF**	
Benzene	2.8	1.0		µg/L	1	9/27/2019 7:30:22 AM	C63242
Toluene	ND	1.0		µg/L	1	9/27/2019 7:30:22 AM	C63242
Ethylbenzene	ND	1.0		µg/L	1	9/27/2019 7:30:22 AM	C63242
Methyl tert-butyl ether (MTBE)	ND	1.0		µg/L	1	9/27/2019 7:30:22 AM	C63242
1,2,4-Trimethylbenzene	ND	1.0		µg/L	1	9/27/2019 7:30:22 AM	C63242
1,3,5-Trimethylbenzene	ND	1.0		µg/L	1	9/27/2019 7:30:22 AM	C63242
1,2-Dichloroethane (EDC)	1.5	1.0		µg/L	1	9/27/2019 7:30:22 AM	C63242
1,2-Dibromoethane (EDB)	ND	1.0		µg/L	1	9/27/2019 7:30:22 AM	C63242
Naphthalene	ND	2.0		µg/L	1	9/27/2019 7:30:22 AM	C63242
1-Methylnaphthalene	ND	4.0		µg/L	1	9/27/2019 7:30:22 AM	C63242
2-Methylnaphthalene	ND	4.0		µg/L	1	9/27/2019 7:30:22 AM	C63242
Acetone	ND	10		µg/L	1	9/30/2019 11:33:12 AM	R63315
Bromobenzene	ND	1.0		µg/L	1	9/27/2019 7:30:22 AM	C63242
Bromodichloromethane	ND	1.0		µg/L	1	9/27/2019 7:30:22 AM	C63242
Bromoform	ND	1.0		µg/L	1	9/27/2019 7:30:22 AM	C63242
Bromomethane	ND	3.0		µg/L	1	9/27/2019 7:30:22 AM	C63242
2-Butanone	ND	10		µg/L	1	9/27/2019 7:30:22 AM	C63242
Carbon disulfide	ND	10		µg/L	1	9/27/2019 7:30:22 AM	C63242
Carbon Tetrachloride	ND	1.0		µg/L	1	9/27/2019 7:30:22 AM	C63242
Chlorobenzene	ND	1.0		µg/L	1	9/27/2019 7:30:22 AM	C63242
Chloroethane	ND	2.0		µg/L	1	9/27/2019 7:30:22 AM	C63242
Chloroform	ND	1.0		µg/L	1	9/27/2019 7:30:22 AM	C63242
Chloromethane	ND	3.0		µg/L	1	9/27/2019 7:30:22 AM	C63242

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

Qualifiers:

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

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD
Client Sample ID: GW-086241-092519-CM-6-13
Project: Laguna Station 6
Collection Date: 9/25/2019 9:20:00 AM
Lab ID: 1909E60-006
Matrix: AQUEOUS
Received Date: 9/25/2019 2:45:00 PM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8260B: VOLATILES						Analyst: **DJF**	
2-Chlorotoluene	ND	1.0		µg/L	1	9/27/2019 7:30:22 AM	C63242
4-Chlorotoluene	ND	1.0		µg/L	1	9/27/2019 7:30:22 AM	C63242
cis-1,2-DCE	1.2	1.0		µg/L	1	9/27/2019 7:30:22 AM	C63242
cis-1,3-Dichloropropene	ND	1.0		µg/L	1	9/27/2019 7:30:22 AM	C63242
1,2-Dibromo-3-chloropropane	ND	2.0		µg/L	1	9/27/2019 7:30:22 AM	C63242
Dibromochloromethane	ND	1.0		µg/L	1	9/27/2019 7:30:22 AM	C63242
Dibromomethane	ND	1.0		µg/L	1	9/27/2019 7:30:22 AM	C63242
1,2-Dichlorobenzene	ND	1.0		µg/L	1	9/27/2019 7:30:22 AM	C63242
1,3-Dichlorobenzene	ND	1.0		µg/L	1	9/27/2019 7:30:22 AM	C63242
1,4-Dichlorobenzene	ND	1.0		µg/L	1	9/27/2019 7:30:22 AM	C63242
Dichlorodifluoromethane	ND	1.0		µg/L	1	9/27/2019 7:30:22 AM	C63242
1,1-Dichloroethane	14	1.0		µg/L	1	9/27/2019 7:30:22 AM	C63242
1,1-Dichloroethene	12	1.0		µg/L	1	9/27/2019 7:30:22 AM	C63242
1,2-Dichloropropane	ND	1.0		µg/L	1	9/27/2019 7:30:22 AM	C63242
1,3-Dichloropropane	ND	1.0		µg/L	1	9/27/2019 7:30:22 AM	C63242
2,2-Dichloropropane	ND	2.0		µg/L	1	9/27/2019 7:30:22 AM	C63242
1,1-Dichloropropene	ND	1.0		µg/L	1	9/27/2019 7:30:22 AM	C63242
Hexachlorobutadiene	ND	1.0		µg/L	1	9/27/2019 7:30:22 AM	C63242
2-Hexanone	ND	10		µg/L	1	9/27/2019 7:30:22 AM	C63242
Isopropylbenzene	ND	1.0		µg/L	1	9/27/2019 7:30:22 AM	C63242
4-Isopropyltoluene	ND	1.0		µg/L	1	9/27/2019 7:30:22 AM	C63242
4-Methyl-2-pentanone	ND	10		µg/L	1	9/27/2019 7:30:22 AM	C63242
Methylene Chloride	ND	3.0		µg/L	1	9/27/2019 7:30:22 AM	C63242
n-Butylbenzene	ND	3.0		µg/L	1	9/27/2019 7:30:22 AM	C63242
n-Propylbenzene	ND	1.0		µg/L	1	9/27/2019 7:30:22 AM	C63242
sec-Butylbenzene	ND	1.0		µg/L	1	9/27/2019 7:30:22 AM	C63242
Styrene	ND	1.0		µg/L	1	9/27/2019 7:30:22 AM	C63242
tert-Butylbenzene	ND	1.0		µg/L	1	9/27/2019 7:30:22 AM	C63242
1,1,1,2-Tetrachloroethane	ND	1.0		µg/L	1	9/27/2019 7:30:22 AM	C63242
1,1,2,2-Tetrachloroethane	ND	2.0		µg/L	1	9/27/2019 7:30:22 AM	C63242
Tetrachloroethene (PCE)	ND	1.0		µg/L	1	9/27/2019 7:30:22 AM	C63242
trans-1,2-DCE	ND	1.0		µg/L	1	9/27/2019 7:30:22 AM	C63242
trans-1,3-Dichloropropene	ND	1.0		µg/L	1	9/27/2019 7:30:22 AM	C63242
1,2,3-Trichlorobenzene	ND	1.0		µg/L	1	9/27/2019 7:30:22 AM	C63242
1,2,4-Trichlorobenzene	ND	1.0		µg/L	1	9/27/2019 7:30:22 AM	C63242
1,1,1-Trichloroethane	ND	1.0		µg/L	1	9/27/2019 7:30:22 AM	C63242
1,1,2-Trichloroethane	ND	1.0		µg/L	1	9/27/2019 7:30:22 AM	C63242
Trichloroethene (TCE)	ND	1.0		µg/L	1	9/27/2019 7:30:22 AM	C63242
Trichlorofluoromethane	ND	1.0		µg/L	1	9/27/2019 7:30:22 AM	C63242

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 Limit
S	% Recovery outside of range due to dilution or matrix		

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD
Client Sample ID: GW-086241-092519-CM-6-13
Project: Laguna Station 6
Collection Date: 9/25/2019 9:20:00 AM
Lab ID: 1909E60-006
Matrix: AQUEOUS
Received Date: 9/25/2019 2:45:00 PM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8260B: VOLATILES						Analyst: **DJF**	
1,2,3-Trichloropropane	ND	2.0		µg/L	1	9/27/2019 7:30:22 AM	C63242
Vinyl chloride	ND	1.0		µg/L	1	9/27/2019 7:30:22 AM	C63242
Xylenes, Total	ND	1.5		µg/L	1	9/27/2019 7:30:22 AM	C63242
Surr: 1,2-Dichloroethane-d4	103	70-130		%Rec	1	9/27/2019 7:30:22 AM	C63242
Surr: 4-Bromofluorobenzene	84.0	70-130		%Rec	1	9/27/2019 7:30:22 AM	C63242
Surr: Dibromofluoromethane	105	70-130		%Rec	1	9/27/2019 7:30:22 AM	C63242
Surr: Toluene-d8	101	70-130		%Rec	1	9/27/2019 7:30:22 AM	C63242

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 Limit
S	% Recovery outside of range due to dilution or matrix		

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD
Client Sample ID: GW-086241-092519-CM-6-14
Project: Laguna Station 6
Collection Date: 9/25/2019 11:10:00 AM
Lab ID: 1909E60-007
Matrix: AQUEOUS
Received Date: 9/25/2019 2:45:00 PM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 9060 TOC						Analyst: **SMS**	
Total Organic Carbon	17	1.0		mg/L	1	10/5/2019 10:25:37 AM	A63487
EPA METHOD 300.0: ANIONS						Analyst: **CAS**	
Nitrogen, Nitrate (As N)	ND	0.50		mg/L	5	9/26/2019 5:00:05 PM	R63252
Sulfate	360	10	*	mg/L	20	9/26/2019 5:12:29 PM	R63252
EPA METHOD 8082A: PCB'S						Analyst: **TOM**	
Aroclor 1016	ND	0.25		µg/L	1	10/4/2019 12:54:45 PM	47750
Aroclor 1221	ND	0.25		µg/L	1	10/4/2019 12:54:45 PM	47750
Aroclor 1232	ND	0.25		µg/L	1	10/4/2019 12:54:45 PM	47750
Aroclor 1242	3.0	0.25		µg/L	1	10/4/2019 12:54:45 PM	47750
Aroclor 1248	ND	0.25		µg/L	1	10/4/2019 12:54:45 PM	47750
Aroclor 1254	ND	0.25		µg/L	1	10/4/2019 12:54:45 PM	47750
Aroclor 1260	ND	0.25		µg/L	1	10/4/2019 12:54:45 PM	47750
Surr: Decachlorobiphenyl	62.4	24.8-102		%Rec	1	10/4/2019 12:54:45 PM	47750
Surr: Tetrachloro-m-xylene	59.2	15.6-106		%Rec	1	10/4/2019 12:54:45 PM	47750
EPA METHOD 8260B: VOLATILES						Analyst: **DJF**	
Benzene	1.8	1.0		µg/L	1	9/28/2019 12:40:17 AM	A63291
Toluene	ND	1.0		µg/L	1	9/28/2019 12:40:17 AM	A63291
Ethylbenzene	ND	1.0		µg/L	1	9/28/2019 12:40:17 AM	A63291
Methyl tert-butyl ether (MTBE)	ND	1.0		µg/L	1	9/28/2019 12:40:17 AM	A63291
1,2,4-Trimethylbenzene	1.8	1.0		µg/L	1	9/28/2019 12:40:17 AM	A63291
1,3,5-Trimethylbenzene	ND	1.0		µg/L	1	9/28/2019 12:40:17 AM	A63291
1,2-Dichloroethane (EDC)	ND	1.0		µg/L	1	9/28/2019 12:40:17 AM	A63291
1,2-Dibromoethane (EDB)	ND	1.0		µg/L	1	9/28/2019 12:40:17 AM	A63291
Naphthalene	ND	2.0		µg/L	1	9/28/2019 12:40:17 AM	A63291
1-Methylnaphthalene	ND	4.0		µg/L	1	9/28/2019 12:40:17 AM	A63291
2-Methylnaphthalene	ND	4.0		µg/L	1	9/28/2019 12:40:17 AM	A63291
Acetone	ND	10		µg/L	1	9/28/2019 12:40:17 AM	A63291
Bromobenzene	ND	1.0		µg/L	1	9/28/2019 12:40:17 AM	A63291
Bromodichloromethane	ND	1.0		µg/L	1	9/28/2019 12:40:17 AM	A63291
Bromoform	ND	1.0		µg/L	1	9/28/2019 12:40:17 AM	A63291
Bromomethane	ND	3.0		µg/L	1	9/28/2019 12:40:17 AM	A63291
2-Butanone	ND	10		µg/L	1	9/28/2019 12:40:17 AM	A63291
Carbon disulfide	ND	10		µg/L	1	9/28/2019 12:40:17 AM	A63291
Carbon Tetrachloride	ND	1.0		µg/L	1	9/28/2019 12:40:17 AM	A63291
Chlorobenzene	ND	1.0		µg/L	1	9/28/2019 12:40:17 AM	A63291
Chloroethane	ND	2.0		µg/L	1	9/28/2019 12:40:17 AM	A63291
Chloroform	ND	1.0		µg/L	1	9/28/2019 12:40:17 AM	A63291
Chloromethane	ND	3.0		µg/L	1	9/28/2019 12:40:17 AM	A63291

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 Limit
S	% Recovery outside of range due to dilution or matrix		

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD
Client Sample ID: GW-086241-092519-CM-6-14
Project: Laguna Station 6
Collection Date: 9/25/2019 11:10:00 AM
Lab ID: 1909E60-007
Matrix: AQUEOUS
Received Date: 9/25/2019 2:45:00 PM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8260B: VOLATILES						Analyst: **DJF**	
2-Chlorotoluene	ND	1.0		µg/L	1	9/28/2019 12:40:17 AM	A63291
4-Chlorotoluene	ND	1.0		µg/L	1	9/28/2019 12:40:17 AM	A63291
cis-1,2-DCE	ND	1.0		µg/L	1	9/28/2019 12:40:17 AM	A63291
cis-1,3-Dichloropropene	ND	1.0		µg/L	1	9/28/2019 12:40:17 AM	A63291
1,2-Dibromo-3-chloropropane	ND	2.0		µg/L	1	9/28/2019 12:40:17 AM	A63291
Dibromochloromethane	ND	1.0		µg/L	1	9/28/2019 12:40:17 AM	A63291
Dibromomethane	ND	1.0		µg/L	1	9/28/2019 12:40:17 AM	A63291
1,2-Dichlorobenzene	ND	1.0		µg/L	1	9/28/2019 12:40:17 AM	A63291
1,3-Dichlorobenzene	ND	1.0		µg/L	1	9/28/2019 12:40:17 AM	A63291
1,4-Dichlorobenzene	ND	1.0		µg/L	1	9/28/2019 12:40:17 AM	A63291
Dichlorodifluoromethane	ND	1.0		µg/L	1	9/28/2019 12:40:17 AM	A63291
1,1-Dichloroethane	52	1.0		µg/L	1	9/28/2019 12:40:17 AM	A63291
1,1-Dichloroethene	17	1.0		µg/L	1	9/28/2019 12:40:17 AM	A63291
1,2-Dichloropropane	ND	1.0		µg/L	1	9/28/2019 12:40:17 AM	A63291
1,3-Dichloropropane	ND	1.0		µg/L	1	9/28/2019 12:40:17 AM	A63291
2,2-Dichloropropane	ND	2.0		µg/L	1	9/28/2019 12:40:17 AM	A63291
1,1-Dichloropropene	ND	1.0		µg/L	1	9/28/2019 12:40:17 AM	A63291
Hexachlorobutadiene	ND	1.0		µg/L	1	9/28/2019 12:40:17 AM	A63291
2-Hexanone	ND	10		µg/L	1	9/28/2019 12:40:17 AM	A63291
Isopropylbenzene	ND	1.0		µg/L	1	9/28/2019 12:40:17 AM	A63291
4-Isopropyltoluene	ND	1.0		µg/L	1	9/28/2019 12:40:17 AM	A63291
4-Methyl-2-pentanone	ND	10		µg/L	1	9/28/2019 12:40:17 AM	A63291
Methylene Chloride	ND	3.0		µg/L	1	9/28/2019 12:40:17 AM	A63291
n-Butylbenzene	ND	3.0		µg/L	1	9/28/2019 12:40:17 AM	A63291
n-Propylbenzene	ND	1.0		µg/L	1	9/28/2019 12:40:17 AM	A63291
sec-Butylbenzene	ND	1.0		µg/L	1	9/28/2019 12:40:17 AM	A63291
Styrene	ND	1.0		µg/L	1	9/28/2019 12:40:17 AM	A63291
tert-Butylbenzene	ND	1.0		µg/L	1	9/28/2019 12:40:17 AM	A63291
1,1,1,2-Tetrachloroethane	ND	1.0		µg/L	1	9/28/2019 12:40:17 AM	A63291
1,1,2,2-Tetrachloroethane	ND	2.0		µg/L	1	9/28/2019 12:40:17 AM	A63291
Tetrachloroethene (PCE)	ND	1.0		µg/L	1	9/28/2019 12:40:17 AM	A63291
trans-1,2-DCE	ND	1.0		µg/L	1	9/28/2019 12:40:17 AM	A63291
trans-1,3-Dichloropropene	ND	1.0		µg/L	1	9/28/2019 12:40:17 AM	A63291
1,2,3-Trichlorobenzene	ND	1.0		µg/L	1	9/28/2019 12:40:17 AM	A63291
1,2,4-Trichlorobenzene	ND	1.0		µg/L	1	9/28/2019 12:40:17 AM	A63291
1,1,1-Trichloroethane	ND	1.0		µg/L	1	9/28/2019 12:40:17 AM	A63291
1,1,2-Trichloroethane	ND	1.0		µg/L	1	9/28/2019 12:40:17 AM	A63291
Trichloroethene (TCE)	ND	1.0		µg/L	1	9/28/2019 12:40:17 AM	A63291
Trichlorofluoromethane	ND	1.0		µg/L	1	9/28/2019 12:40:17 AM	A63291

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 Limit
S	% Recovery outside of range due to dilution or matrix		

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD
Client Sample ID: GW-086241-092519-CM-6-14
Project: Laguna Station 6
Collection Date: 9/25/2019 11:10:00 AM
Lab ID: 1909E60-007
Matrix: AQUEOUS
Received Date: 9/25/2019 2:45:00 PM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8260B: VOLATILES						Analyst: **DJF**	
1,2,3-Trichloropropane	ND	2.0		µg/L	1	9/28/2019 12:40:17 AM	A63291
Vinyl chloride	ND	1.0		µg/L	1	9/28/2019 12:40:17 AM	A63291
Xylenes, Total	ND	1.5		µg/L	1	9/28/2019 12:40:17 AM	A63291
Surr: 1,2-Dichloroethane-d4	109	70-130		%Rec	1	9/28/2019 12:40:17 AM	A63291
Surr: 4-Bromofluorobenzene	90.4	70-130		%Rec	1	9/28/2019 12:40:17 AM	A63291
Surr: Dibromofluoromethane	105	70-130		%Rec	1	9/28/2019 12:40:17 AM	A63291
Surr: Toluene-d8	109	70-130		%Rec	1	9/28/2019 12:40:17 AM	A63291

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 Limit
S	% Recovery outside of range due to dilution or matrix		

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD
Client Sample ID: GW-086241-092519-CM-6-15
Project: Laguna Station 6
Collection Date: 9/25/2019 12:40:00 PM
Lab ID: 1909E60-008
Matrix: AQUEOUS
Received Date: 9/25/2019 2:45:00 PM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8082A: PCB'S						Analyst: **TOM**	
Aroclor 1016	ND	0.25		µg/L	1	10/3/2019 2:59:08 PM	47750
Aroclor 1221	ND	0.25		µg/L	1	10/3/2019 2:59:08 PM	47750
Aroclor 1232	ND	0.25		µg/L	1	10/3/2019 2:59:08 PM	47750
Aroclor 1242	ND	0.25		µg/L	1	10/3/2019 2:59:08 PM	47750
Aroclor 1248	ND	0.25		µg/L	1	10/3/2019 2:59:08 PM	47750
Aroclor 1254	ND	0.25		µg/L	1	10/3/2019 2:59:08 PM	47750
Aroclor 1260	ND	0.25		µg/L	1	10/3/2019 2:59:08 PM	47750
Surr: Decachlorobiphenyl	73.6	24.8-102		%Rec	1	10/3/2019 2:59:08 PM	47750
Surr: Tetrachloro-m-xylene	75.6	15.6-106		%Rec	1	10/3/2019 2:59:08 PM	47750
EPA METHOD 8260B: VOLATILES						Analyst: **DJF**	
Benzene	ND	1.0		µg/L	1	9/28/2019 2:09:11 AM	A63291
Toluene	ND	1.0		µg/L	1	9/28/2019 2:09:11 AM	A63291
Ethylbenzene	ND	1.0		µg/L	1	9/28/2019 2:09:11 AM	A63291
Methyl tert-butyl ether (MTBE)	ND	1.0		µg/L	1	9/28/2019 2:09:11 AM	A63291
1,2,4-Trimethylbenzene	ND	1.0		µg/L	1	9/28/2019 2:09:11 AM	A63291
1,3,5-Trimethylbenzene	ND	1.0		µg/L	1	9/28/2019 2:09:11 AM	A63291
1,2-Dichloroethane (EDC)	ND	1.0		µg/L	1	9/28/2019 2:09:11 AM	A63291
1,2-Dibromoethane (EDB)	ND	1.0		µg/L	1	9/28/2019 2:09:11 AM	A63291
Naphthalene	ND	2.0		µg/L	1	9/28/2019 2:09:11 AM	A63291
1-Methylnaphthalene	ND	4.0		µg/L	1	9/28/2019 2:09:11 AM	A63291
2-Methylnaphthalene	ND	4.0		µg/L	1	9/28/2019 2:09:11 AM	A63291
Acetone	ND	10		µg/L	1	9/28/2019 2:09:11 AM	A63291
Bromobenzene	ND	1.0		µg/L	1	9/28/2019 2:09:11 AM	A63291
Bromodichloromethane	ND	1.0		µg/L	1	9/28/2019 2:09:11 AM	A63291
Bromoform	ND	1.0		µg/L	1	9/28/2019 2:09:11 AM	A63291
Bromomethane	ND	3.0		µg/L	1	9/28/2019 2:09:11 AM	A63291
2-Butanone	ND	10		µg/L	1	9/28/2019 2:09:11 AM	A63291
Carbon disulfide	ND	10		µg/L	1	9/28/2019 2:09:11 AM	A63291
Carbon Tetrachloride	ND	1.0		µg/L	1	9/28/2019 2:09:11 AM	A63291
Chlorobenzene	ND	1.0		µg/L	1	9/28/2019 2:09:11 AM	A63291
Chloroethane	ND	2.0		µg/L	1	9/28/2019 2:09:11 AM	A63291
Chloroform	ND	1.0		µg/L	1	9/28/2019 2:09:11 AM	A63291
Chloromethane	ND	3.0		µg/L	1	9/28/2019 2:09:11 AM	A63291
2-Chlorotoluene	ND	1.0		µg/L	1	9/28/2019 2:09:11 AM	A63291
4-Chlorotoluene	ND	1.0		µg/L	1	9/28/2019 2:09:11 AM	A63291
cis-1,2-DCE	ND	1.0		µg/L	1	9/28/2019 2:09:11 AM	A63291
cis-1,3-Dichloropropene	ND	1.0		µg/L	1	9/28/2019 2:09:11 AM	A63291
1,2-Dibromo-3-chloropropane	ND	2.0		µg/L	1	9/28/2019 2:09:11 AM	A63291
Dibromochloromethane	ND	1.0		µg/L	1	9/28/2019 2:09:11 AM	A63291

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 Limit
S	% Recovery outside of range due to dilution or matrix		

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD
Client Sample ID: GW-086241-092519-CM-6-15
Project: Laguna Station 6
Collection Date: 9/25/2019 12:40:00 PM
Lab ID: 1909E60-008
Matrix: AQUEOUS
Received Date: 9/25/2019 2:45:00 PM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8260B: VOLATILES						Analyst: **DJF**	
Dibromomethane	ND	1.0		µg/L	1	9/28/2019 2:09:11 AM	A63291
1,2-Dichlorobenzene	ND	1.0		µg/L	1	9/28/2019 2:09:11 AM	A63291
1,3-Dichlorobenzene	ND	1.0		µg/L	1	9/28/2019 2:09:11 AM	A63291
1,4-Dichlorobenzene	ND	1.0		µg/L	1	9/28/2019 2:09:11 AM	A63291
Dichlorodifluoromethane	ND	1.0		µg/L	1	9/28/2019 2:09:11 AM	A63291
1,1-Dichloroethane	3.3	1.0		µg/L	1	9/28/2019 2:09:11 AM	A63291
1,1-Dichloroethene	1.5	1.0		µg/L	1	9/28/2019 2:09:11 AM	A63291
1,2-Dichloropropane	ND	1.0		µg/L	1	9/28/2019 2:09:11 AM	A63291
1,3-Dichloropropane	ND	1.0		µg/L	1	9/28/2019 2:09:11 AM	A63291
2,2-Dichloropropane	ND	2.0		µg/L	1	9/28/2019 2:09:11 AM	A63291
1,1-Dichloropropene	ND	1.0		µg/L	1	9/28/2019 2:09:11 AM	A63291
Hexachlorobutadiene	ND	1.0		µg/L	1	9/28/2019 2:09:11 AM	A63291
2-Hexanone	ND	10		µg/L	1	9/28/2019 2:09:11 AM	A63291
Isopropylbenzene	ND	1.0		µg/L	1	9/28/2019 2:09:11 AM	A63291
4-Isopropyltoluene	ND	1.0		µg/L	1	9/28/2019 2:09:11 AM	A63291
4-Methyl-2-pentanone	ND	10		µg/L	1	9/28/2019 2:09:11 AM	A63291
Methylene Chloride	ND	3.0		µg/L	1	9/28/2019 2:09:11 AM	A63291
n-Butylbenzene	ND	3.0		µg/L	1	9/28/2019 2:09:11 AM	A63291
n-Propylbenzene	ND	1.0		µg/L	1	9/28/2019 2:09:11 AM	A63291
sec-Butylbenzene	ND	1.0		µg/L	1	9/28/2019 2:09:11 AM	A63291
Styrene	ND	1.0		µg/L	1	9/28/2019 2:09:11 AM	A63291
tert-Butylbenzene	ND	1.0		µg/L	1	9/28/2019 2:09:11 AM	A63291
1,1,1,2-Tetrachloroethane	ND	1.0		µg/L	1	9/28/2019 2:09:11 AM	A63291
1,1,2,2-Tetrachloroethane	ND	2.0		µg/L	1	9/28/2019 2:09:11 AM	A63291
Tetrachloroethene (PCE)	ND	1.0		µg/L	1	9/28/2019 2:09:11 AM	A63291
trans-1,2-DCE	ND	1.0		µg/L	1	9/28/2019 2:09:11 AM	A63291
trans-1,3-Dichloropropene	ND	1.0		µg/L	1	9/28/2019 2:09:11 AM	A63291
1,2,3-Trichlorobenzene	ND	1.0		µg/L	1	9/28/2019 2:09:11 AM	A63291
1,2,4-Trichlorobenzene	ND	1.0		µg/L	1	9/28/2019 2:09:11 AM	A63291
1,1,1-Trichloroethane	ND	1.0		µg/L	1	9/28/2019 2:09:11 AM	A63291
1,1,2-Trichloroethane	ND	1.0		µg/L	1	9/28/2019 2:09:11 AM	A63291
Trichloroethene (TCE)	ND	1.0		µg/L	1	9/28/2019 2:09:11 AM	A63291
Trichlorofluoromethane	ND	1.0		µg/L	1	9/28/2019 2:09:11 AM	A63291
1,2,3-Trichloropropane	ND	2.0		µg/L	1	9/28/2019 2:09:11 AM	A63291
Vinyl chloride	ND	1.0		µg/L	1	9/28/2019 2:09:11 AM	A63291
Xylenes, Total	ND	1.5		µg/L	1	9/28/2019 2:09:11 AM	A63291
Surr: 1,2-Dichloroethane-d4	111	70-130		%Rec	1	9/28/2019 2:09:11 AM	A63291
Surr: 4-Bromofluorobenzene	89.3	70-130		%Rec	1	9/28/2019 2:09:11 AM	A63291
Surr: Dibromofluoromethane	112	70-130		%Rec	1	9/28/2019 2:09:11 AM	A63291

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 Limit
S	% Recovery outside of range due to dilution or matrix		

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD
Client Sample ID: GW-086241-092519-CM-6-15
Project: Laguna Station 6
Collection Date: 9/25/2019 12:40:00 PM
Lab ID: 1909E60-008
Matrix: AQUEOUS
Received Date: 9/25/2019 2:45:00 PM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8260B: VOLATILES						Analyst: **DJF**	
Surr: Toluene-d8	105	70-130		%Rec	1	9/28/2019 2:09:11 AM	A63291

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 Limit
S	% Recovery outside of range due to dilution or matrix		

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD
Client Sample ID: GW-086241-092419-CM-6-16
Project: Laguna Station 6
Collection Date: 9/24/2019 2:05:00 PM
Lab ID: 1909E60-009
Matrix: AQUEOUS
Received Date: 9/25/2019 2:45:00 PM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8082A: PCB'S						Analyst: **TOM**	
Aroclor 1016	ND	0.25		µg/L	1	10/3/2019 3:32:08 PM	47750
Aroclor 1221	ND	0.25		µg/L	1	10/3/2019 3:32:08 PM	47750
Aroclor 1232	ND	0.25		µg/L	1	10/3/2019 3:32:08 PM	47750
Aroclor 1242	ND	0.25		µg/L	1	10/3/2019 3:32:08 PM	47750
Aroclor 1248	ND	0.25		µg/L	1	10/3/2019 3:32:08 PM	47750
Aroclor 1254	ND	0.25		µg/L	1	10/3/2019 3:32:08 PM	47750
Aroclor 1260	ND	0.25		µg/L	1	10/3/2019 3:32:08 PM	47750
Surr: Decachlorobiphenyl	62.0	24.8-102		%Rec	1	10/3/2019 3:32:08 PM	47750
Surr: Tetrachloro-m-xylene	61.6	15.6-106		%Rec	1	10/3/2019 3:32:08 PM	47750
EPA METHOD 8260B: VOLATILES						Analyst: **DJF**	
Benzene	ND	1.0		µg/L	1	9/28/2019 2:38:32 AM	A63291
Toluene	ND	1.0		µg/L	1	9/28/2019 2:38:32 AM	A63291
Ethylbenzene	ND	1.0		µg/L	1	9/28/2019 2:38:32 AM	A63291
Methyl tert-butyl ether (MTBE)	ND	1.0		µg/L	1	9/28/2019 2:38:32 AM	A63291
1,2,4-Trimethylbenzene	ND	1.0		µg/L	1	9/28/2019 2:38:32 AM	A63291
1,3,5-Trimethylbenzene	ND	1.0		µg/L	1	9/28/2019 2:38:32 AM	A63291
1,2-Dichloroethane (EDC)	ND	1.0		µg/L	1	9/28/2019 2:38:32 AM	A63291
1,2-Dibromoethane (EDB)	ND	1.0		µg/L	1	9/28/2019 2:38:32 AM	A63291
Naphthalene	ND	2.0		µg/L	1	9/28/2019 2:38:32 AM	A63291
1-Methylnaphthalene	ND	4.0		µg/L	1	9/28/2019 2:38:32 AM	A63291
2-Methylnaphthalene	ND	4.0		µg/L	1	9/28/2019 2:38:32 AM	A63291
Acetone	ND	10		µg/L	1	9/28/2019 2:38:32 AM	A63291
Bromobenzene	ND	1.0		µg/L	1	9/28/2019 2:38:32 AM	A63291
Bromodichloromethane	ND	1.0		µg/L	1	9/28/2019 2:38:32 AM	A63291
Bromoform	ND	1.0		µg/L	1	9/28/2019 2:38:32 AM	A63291
Bromomethane	ND	3.0		µg/L	1	9/28/2019 2:38:32 AM	A63291
2-Butanone	ND	10		µg/L	1	9/28/2019 2:38:32 AM	A63291
Carbon disulfide	ND	10		µg/L	1	9/28/2019 2:38:32 AM	A63291
Carbon Tetrachloride	ND	1.0		µg/L	1	9/28/2019 2:38:32 AM	A63291
Chlorobenzene	ND	1.0		µg/L	1	9/28/2019 2:38:32 AM	A63291
Chloroethane	ND	2.0		µg/L	1	9/28/2019 2:38:32 AM	A63291
Chloroform	ND	1.0		µg/L	1	9/28/2019 2:38:32 AM	A63291
Chloromethane	ND	3.0		µg/L	1	9/28/2019 2:38:32 AM	A63291
2-Chlorotoluene	ND	1.0		µg/L	1	9/28/2019 2:38:32 AM	A63291
4-Chlorotoluene	ND	1.0		µg/L	1	9/28/2019 2:38:32 AM	A63291
cis-1,2-DCE	ND	1.0		µg/L	1	9/28/2019 2:38:32 AM	A63291
cis-1,3-Dichloropropene	ND	1.0		µg/L	1	9/28/2019 2:38:32 AM	A63291
1,2-Dibromo-3-chloropropane	ND	2.0		µg/L	1	9/28/2019 2:38:32 AM	A63291
Dibromochloromethane	ND	1.0		µg/L	1	9/28/2019 2:38:32 AM	A63291

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 Limit
S	% Recovery outside of range due to dilution or matrix		

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD
Client Sample ID: GW-086241-092419-CM-6-16
Project: Laguna Station 6
Collection Date: 9/24/2019 2:05:00 PM
Lab ID: 1909E60-009
Matrix: AQUEOUS
Received Date: 9/25/2019 2:45:00 PM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8260B: VOLATILES						Analyst: **DJF**	
Dibromomethane	ND	1.0		µg/L	1	9/28/2019 2:38:32 AM	A63291
1,2-Dichlorobenzene	ND	1.0		µg/L	1	9/28/2019 2:38:32 AM	A63291
1,3-Dichlorobenzene	ND	1.0		µg/L	1	9/28/2019 2:38:32 AM	A63291
1,4-Dichlorobenzene	ND	1.0		µg/L	1	9/28/2019 2:38:32 AM	A63291
Dichlorodifluoromethane	ND	1.0		µg/L	1	9/28/2019 2:38:32 AM	A63291
1,1-Dichloroethane	2.5	1.0		µg/L	1	9/28/2019 2:38:32 AM	A63291
1,1-Dichloroethene	ND	1.0		µg/L	1	9/28/2019 2:38:32 AM	A63291
1,2-Dichloropropane	ND	1.0		µg/L	1	9/28/2019 2:38:32 AM	A63291
1,3-Dichloropropane	ND	1.0		µg/L	1	9/28/2019 2:38:32 AM	A63291
2,2-Dichloropropane	ND	2.0		µg/L	1	9/28/2019 2:38:32 AM	A63291
1,1-Dichloropropene	ND	1.0		µg/L	1	9/28/2019 2:38:32 AM	A63291
Hexachlorobutadiene	ND	1.0		µg/L	1	9/28/2019 2:38:32 AM	A63291
2-Hexanone	ND	10		µg/L	1	9/28/2019 2:38:32 AM	A63291
Isopropylbenzene	ND	1.0		µg/L	1	9/28/2019 2:38:32 AM	A63291
4-Isopropyltoluene	ND	1.0		µg/L	1	9/28/2019 2:38:32 AM	A63291
4-Methyl-2-pentanone	ND	10		µg/L	1	9/28/2019 2:38:32 AM	A63291
Methylene Chloride	ND	3.0		µg/L	1	9/28/2019 2:38:32 AM	A63291
n-Butylbenzene	ND	3.0		µg/L	1	9/28/2019 2:38:32 AM	A63291
n-Propylbenzene	ND	1.0		µg/L	1	9/28/2019 2:38:32 AM	A63291
sec-Butylbenzene	ND	1.0		µg/L	1	9/28/2019 2:38:32 AM	A63291
Styrene	ND	1.0		µg/L	1	9/28/2019 2:38:32 AM	A63291
tert-Butylbenzene	ND	1.0		µg/L	1	9/28/2019 2:38:32 AM	A63291
1,1,1,2-Tetrachloroethane	ND	1.0		µg/L	1	9/28/2019 2:38:32 AM	A63291
1,1,2,2-Tetrachloroethane	ND	2.0		µg/L	1	9/28/2019 2:38:32 AM	A63291
Tetrachloroethene (PCE)	ND	1.0		µg/L	1	9/28/2019 2:38:32 AM	A63291
trans-1,2-DCE	ND	1.0		µg/L	1	9/28/2019 2:38:32 AM	A63291
trans-1,3-Dichloropropene	ND	1.0		µg/L	1	9/28/2019 2:38:32 AM	A63291
1,2,3-Trichlorobenzene	ND	1.0		µg/L	1	9/28/2019 2:38:32 AM	A63291
1,2,4-Trichlorobenzene	ND	1.0		µg/L	1	9/28/2019 2:38:32 AM	A63291
1,1,1-Trichloroethane	ND	1.0		µg/L	1	9/28/2019 2:38:32 AM	A63291
1,1,2-Trichloroethane	ND	1.0		µg/L	1	9/28/2019 2:38:32 AM	A63291
Trichloroethene (TCE)	ND	1.0		µg/L	1	9/28/2019 2:38:32 AM	A63291
Trichlorofluoromethane	ND	1.0		µg/L	1	9/28/2019 2:38:32 AM	A63291
1,2,3-Trichloropropane	ND	2.0		µg/L	1	9/28/2019 2:38:32 AM	A63291
Vinyl chloride	ND	1.0		µg/L	1	9/28/2019 2:38:32 AM	A63291
Xylenes, Total	ND	1.5		µg/L	1	9/28/2019 2:38:32 AM	A63291
Surr: 1,2-Dichloroethane-d4	115	70-130		%Rec	1	9/28/2019 2:38:32 AM	A63291
Surr: 4-Bromofluorobenzene	91.9	70-130		%Rec	1	9/28/2019 2:38:32 AM	A63291
Surr: Dibromofluoromethane	115	70-130		%Rec	1	9/28/2019 2:38:32 AM	A63291

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 Limit
S	% Recovery outside of range due to dilution or matrix		

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD
Client Sample ID: GW-086241-092419-CM-6-16
Project: Laguna Station 6
Collection Date: 9/24/2019 2:05:00 PM
Lab ID: 1909E60-009
Matrix: AQUEOUS
Received Date: 9/25/2019 2:45:00 PM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8260B: VOLATILES						Analyst: **DJF**	
Surr: Toluene-d8	106	70-130		%Rec	1	9/28/2019 2:38:32 AM	A63291

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 Limit
S	% Recovery outside of range due to dilution or matrix		

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD
Client Sample ID: GW-086241-092419-CM-6-18
Project: Laguna Station 6
Collection Date: 9/24/2019 12:15:00 PM
Lab ID: 1909E60-010
Matrix: AQUEOUS
Received Date: 9/25/2019 2:45:00 PM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8082A: PCB'S						Analyst: **TOM**	
Aroclor 1016	ND	0.25		µg/L	1	10/3/2019 4:05:05 PM	47750
Aroclor 1221	ND	0.25		µg/L	1	10/3/2019 4:05:05 PM	47750
Aroclor 1232	ND	0.25		µg/L	1	10/3/2019 4:05:05 PM	47750
Aroclor 1242	ND	0.25		µg/L	1	10/3/2019 4:05:05 PM	47750
Aroclor 1248	ND	0.25		µg/L	1	10/3/2019 4:05:05 PM	47750
Aroclor 1254	ND	0.25		µg/L	1	10/3/2019 4:05:05 PM	47750
Aroclor 1260	ND	0.25		µg/L	1	10/3/2019 4:05:05 PM	47750
Surr: Decachlorobiphenyl	56.4	24.8-102		%Rec	1	10/3/2019 4:05:05 PM	47750
Surr: Tetrachloro-m-xylene	53.2	15.6-106		%Rec	1	10/3/2019 4:05:05 PM	47750
EPA METHOD 8260B: VOLATILES						Analyst: **DJF**	
Benzene	ND	1.0		µg/L	1	9/28/2019 3:08:25 AM	A63291
Toluene	ND	1.0		µg/L	1	9/28/2019 3:08:25 AM	A63291
Ethylbenzene	ND	1.0		µg/L	1	9/28/2019 3:08:25 AM	A63291
Methyl tert-butyl ether (MTBE)	ND	1.0		µg/L	1	9/28/2019 3:08:25 AM	A63291
1,2,4-Trimethylbenzene	ND	1.0		µg/L	1	9/28/2019 3:08:25 AM	A63291
1,3,5-Trimethylbenzene	ND	1.0		µg/L	1	9/28/2019 3:08:25 AM	A63291
1,2-Dichloroethane (EDC)	ND	1.0		µg/L	1	9/28/2019 3:08:25 AM	A63291
1,2-Dibromoethane (EDB)	ND	1.0		µg/L	1	9/28/2019 3:08:25 AM	A63291
Naphthalene	ND	2.0		µg/L	1	9/28/2019 3:08:25 AM	A63291
1-Methylnaphthalene	ND	4.0		µg/L	1	9/28/2019 3:08:25 AM	A63291
2-Methylnaphthalene	ND	4.0		µg/L	1	9/28/2019 3:08:25 AM	A63291
Acetone	ND	10		µg/L	1	9/28/2019 3:08:25 AM	A63291
Bromobenzene	ND	1.0		µg/L	1	9/28/2019 3:08:25 AM	A63291
Bromodichloromethane	ND	1.0		µg/L	1	9/28/2019 3:08:25 AM	A63291
Bromoform	ND	1.0		µg/L	1	9/28/2019 3:08:25 AM	A63291
Bromomethane	ND	3.0		µg/L	1	9/28/2019 3:08:25 AM	A63291
2-Butanone	ND	10		µg/L	1	9/28/2019 3:08:25 AM	A63291
Carbon disulfide	ND	10		µg/L	1	9/28/2019 3:08:25 AM	A63291
Carbon Tetrachloride	ND	1.0		µg/L	1	9/28/2019 3:08:25 AM	A63291
Chlorobenzene	ND	1.0		µg/L	1	9/28/2019 3:08:25 AM	A63291
Chloroethane	ND	2.0		µg/L	1	9/28/2019 3:08:25 AM	A63291
Chloroform	1.6	1.0		µg/L	1	9/28/2019 3:08:25 AM	A63291
Chloromethane	ND	3.0		µg/L	1	9/28/2019 3:08:25 AM	A63291
2-Chlorotoluene	ND	1.0		µg/L	1	9/28/2019 3:08:25 AM	A63291
4-Chlorotoluene	ND	1.0		µg/L	1	9/28/2019 3:08:25 AM	A63291
cis-1,2-DCE	ND	1.0		µg/L	1	9/28/2019 3:08:25 AM	A63291
cis-1,3-Dichloropropene	ND	1.0		µg/L	1	9/28/2019 3:08:25 AM	A63291
1,2-Dibromo-3-chloropropane	ND	2.0		µg/L	1	9/28/2019 3:08:25 AM	A63291
Dibromochloromethane	ND	1.0		µg/L	1	9/28/2019 3:08:25 AM	A63291

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 Limit
S	% Recovery outside of range due to dilution or matrix		

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD
Client Sample ID: GW-086241-092419-CM-6-18
Project: Laguna Station 6
Collection Date: 9/24/2019 12:15:00 PM
Lab ID: 1909E60-010
Matrix: AQUEOUS
Received Date: 9/25/2019 2:45:00 PM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8260B: VOLATILES						Analyst: **DJF**	
Dibromomethane	ND	1.0		µg/L	1	9/28/2019 3:08:25 AM	A63291
1,2-Dichlorobenzene	ND	1.0		µg/L	1	9/28/2019 3:08:25 AM	A63291
1,3-Dichlorobenzene	ND	1.0		µg/L	1	9/28/2019 3:08:25 AM	A63291
1,4-Dichlorobenzene	ND	1.0		µg/L	1	9/28/2019 3:08:25 AM	A63291
Dichlorodifluoromethane	ND	1.0		µg/L	1	9/28/2019 3:08:25 AM	A63291
1,1-Dichloroethane	ND	1.0		µg/L	1	9/28/2019 3:08:25 AM	A63291
1,1-Dichloroethene	ND	1.0		µg/L	1	9/28/2019 3:08:25 AM	A63291
1,2-Dichloropropane	ND	1.0		µg/L	1	9/28/2019 3:08:25 AM	A63291
1,3-Dichloropropane	ND	1.0		µg/L	1	9/28/2019 3:08:25 AM	A63291
2,2-Dichloropropane	ND	2.0		µg/L	1	9/28/2019 3:08:25 AM	A63291
1,1-Dichloropropene	ND	1.0		µg/L	1	9/28/2019 3:08:25 AM	A63291
Hexachlorobutadiene	ND	1.0		µg/L	1	9/28/2019 3:08:25 AM	A63291
2-Hexanone	ND	10		µg/L	1	9/28/2019 3:08:25 AM	A63291
Isopropylbenzene	ND	1.0		µg/L	1	9/28/2019 3:08:25 AM	A63291
4-Isopropyltoluene	ND	1.0		µg/L	1	9/28/2019 3:08:25 AM	A63291
4-Methyl-2-pentanone	ND	10		µg/L	1	9/28/2019 3:08:25 AM	A63291
Methylene Chloride	ND	3.0		µg/L	1	9/28/2019 3:08:25 AM	A63291
n-Butylbenzene	ND	3.0		µg/L	1	9/28/2019 3:08:25 AM	A63291
n-Propylbenzene	ND	1.0		µg/L	1	9/28/2019 3:08:25 AM	A63291
sec-Butylbenzene	ND	1.0		µg/L	1	9/28/2019 3:08:25 AM	A63291
Styrene	ND	1.0		µg/L	1	9/28/2019 3:08:25 AM	A63291
tert-Butylbenzene	ND	1.0		µg/L	1	9/28/2019 3:08:25 AM	A63291
1,1,1,2-Tetrachloroethane	ND	1.0		µg/L	1	9/28/2019 3:08:25 AM	A63291
1,1,2,2-Tetrachloroethane	ND	2.0		µg/L	1	9/28/2019 3:08:25 AM	A63291
Tetrachloroethene (PCE)	ND	1.0		µg/L	1	9/28/2019 3:08:25 AM	A63291
trans-1,2-DCE	ND	1.0		µg/L	1	9/28/2019 3:08:25 AM	A63291
trans-1,3-Dichloropropene	ND	1.0		µg/L	1	9/28/2019 3:08:25 AM	A63291
1,2,3-Trichlorobenzene	ND	1.0		µg/L	1	9/28/2019 3:08:25 AM	A63291
1,2,4-Trichlorobenzene	ND	1.0		µg/L	1	9/28/2019 3:08:25 AM	A63291
1,1,1-Trichloroethane	ND	1.0		µg/L	1	9/28/2019 3:08:25 AM	A63291
1,1,2-Trichloroethane	ND	1.0		µg/L	1	9/28/2019 3:08:25 AM	A63291
Trichloroethene (TCE)	ND	1.0		µg/L	1	9/28/2019 3:08:25 AM	A63291
Trichlorofluoromethane	ND	1.0		µg/L	1	9/28/2019 3:08:25 AM	A63291
1,2,3-Trichloropropane	ND	2.0		µg/L	1	9/28/2019 3:08:25 AM	A63291
Vinyl chloride	ND	1.0		µg/L	1	9/28/2019 3:08:25 AM	A63291
Xylenes, Total	ND	1.5		µg/L	1	9/28/2019 3:08:25 AM	A63291
Surr: 1,2-Dichloroethane-d4	115	70-130		%Rec	1	9/28/2019 3:08:25 AM	A63291
Surr: 4-Bromofluorobenzene	89.7	70-130		%Rec	1	9/28/2019 3:08:25 AM	A63291
Surr: Dibromofluoromethane	112	70-130		%Rec	1	9/28/2019 3:08:25 AM	A63291

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 Limit
S	% Recovery outside of range due to dilution or matrix		

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD
Client Sample ID: GW-086241-092419-CM-6-18
Project: Laguna Station 6
Collection Date: 9/24/2019 12:15:00 PM
Lab ID: 1909E60-010
Matrix: AQUEOUS
Received Date: 9/25/2019 2:45:00 PM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8260B: VOLATILES						Analyst: **DJF**	
Surr: Toluene-d8	103	70-130		%Rec	1	9/28/2019 3:08:25 AM	A63291

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 Limit
S	% Recovery outside of range due to dilution or matrix		

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD
Client Sample ID: GW-086241-092519-CM-6-19
Project: Laguna Station 6
Collection Date: 9/25/2019 8:45:00 AM
Lab ID: 1909E60-011
Matrix: AQUEOUS
Received Date: 9/25/2019 2:45:00 PM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8260B: VOLATILES						Analyst: **DJF**	
Benzene	ND	2.0		µg/L	2	9/28/2019 3:38:17 AM	A63291
Toluene	ND	2.0		µg/L	2	9/28/2019 3:38:17 AM	A63291
Ethylbenzene	ND	2.0		µg/L	2	9/28/2019 3:38:17 AM	A63291
Methyl tert-butyl ether (MTBE)	ND	2.0		µg/L	2	9/28/2019 3:38:17 AM	A63291
1,2,4-Trimethylbenzene	ND	2.0		µg/L	2	9/28/2019 3:38:17 AM	A63291
1,3,5-Trimethylbenzene	ND	2.0		µg/L	2	9/28/2019 3:38:17 AM	A63291
1,2-Dichloroethane (EDC)	ND	2.0		µg/L	2	9/28/2019 3:38:17 AM	A63291
1,2-Dibromoethane (EDB)	ND	2.0		µg/L	2	9/28/2019 3:38:17 AM	A63291
Naphthalene	ND	4.0		µg/L	2	9/28/2019 3:38:17 AM	A63291
1-Methylnaphthalene	ND	8.0		µg/L	2	9/28/2019 3:38:17 AM	A63291
2-Methylnaphthalene	ND	8.0		µg/L	2	9/28/2019 3:38:17 AM	A63291
Acetone	ND	20		µg/L	2	9/28/2019 3:38:17 AM	A63291
Bromobenzene	ND	2.0		µg/L	2	9/28/2019 3:38:17 AM	A63291
Bromodichloromethane	ND	2.0		µg/L	2	9/28/2019 3:38:17 AM	A63291
Bromoform	ND	2.0		µg/L	2	9/28/2019 3:38:17 AM	A63291
Bromomethane	ND	6.0		µg/L	2	9/28/2019 3:38:17 AM	A63291
2-Butanone	ND	20		µg/L	2	9/28/2019 3:38:17 AM	A63291
Carbon disulfide	ND	20		µg/L	2	9/28/2019 3:38:17 AM	A63291
Carbon Tetrachloride	27	2.0		µg/L	2	9/28/2019 3:38:17 AM	A63291
Chlorobenzene	ND	2.0		µg/L	2	9/28/2019 3:38:17 AM	A63291
Chloroethane	ND	4.0		µg/L	2	9/28/2019 3:38:17 AM	A63291
Chloroform	120	2.0		µg/L	2	9/28/2019 3:38:17 AM	A63291
Chloromethane	ND	6.0		µg/L	2	9/28/2019 3:38:17 AM	A63291
2-Chlorotoluene	ND	2.0		µg/L	2	9/28/2019 3:38:17 AM	A63291
4-Chlorotoluene	ND	2.0		µg/L	2	9/28/2019 3:38:17 AM	A63291
cis-1,2-DCE	ND	2.0		µg/L	2	9/28/2019 3:38:17 AM	A63291
cis-1,3-Dichloropropene	ND	2.0		µg/L	2	9/28/2019 3:38:17 AM	A63291
1,2-Dibromo-3-chloropropane	ND	4.0		µg/L	2	9/28/2019 3:38:17 AM	A63291
Dibromochloromethane	ND	2.0		µg/L	2	9/28/2019 3:38:17 AM	A63291
Dibromomethane	ND	2.0		µg/L	2	9/28/2019 3:38:17 AM	A63291
1,2-Dichlorobenzene	ND	2.0		µg/L	2	9/28/2019 3:38:17 AM	A63291
1,3-Dichlorobenzene	ND	2.0		µg/L	2	9/28/2019 3:38:17 AM	A63291
1,4-Dichlorobenzene	ND	2.0		µg/L	2	9/28/2019 3:38:17 AM	A63291
Dichlorodifluoromethane	ND	2.0		µg/L	2	9/28/2019 3:38:17 AM	A63291
1,1-Dichloroethane	ND	2.0		µg/L	2	9/28/2019 3:38:17 AM	A63291
1,1-Dichloroethene	2.1	2.0		µg/L	2	9/28/2019 3:38:17 AM	A63291
1,2-Dichloropropane	ND	2.0		µg/L	2	9/28/2019 3:38:17 AM	A63291
1,3-Dichloropropane	ND	2.0		µg/L	2	9/28/2019 3:38:17 AM	A63291
2,2-Dichloropropane	ND	4.0		µg/L	2	9/28/2019 3:38:17 AM	A63291

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 Limit
S	% Recovery outside of range due to dilution or matrix		

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD
Client Sample ID: GW-086241-092519-CM-6-19
Project: Laguna Station 6
Collection Date: 9/25/2019 8:45:00 AM
Lab ID: 1909E60-011
Matrix: AQUEOUS
Received Date: 9/25/2019 2:45:00 PM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8260B: VOLATILES						Analyst: **DJF**	
1,1-Dichloropropene	ND	2.0		µg/L	2	9/28/2019 3:38:17 AM	A63291
Hexachlorobutadiene	ND	2.0		µg/L	2	9/28/2019 3:38:17 AM	A63291
2-Hexanone	ND	20		µg/L	2	9/28/2019 3:38:17 AM	A63291
Isopropylbenzene	ND	2.0		µg/L	2	9/28/2019 3:38:17 AM	A63291
4-Isopropyltoluene	ND	2.0		µg/L	2	9/28/2019 3:38:17 AM	A63291
4-Methyl-2-pentanone	ND	20		µg/L	2	9/28/2019 3:38:17 AM	A63291
Methylene Chloride	ND	6.0		µg/L	2	9/28/2019 3:38:17 AM	A63291
n-Butylbenzene	ND	6.0		µg/L	2	9/28/2019 3:38:17 AM	A63291
n-Propylbenzene	ND	2.0		µg/L	2	9/28/2019 3:38:17 AM	A63291
sec-Butylbenzene	ND	2.0		µg/L	2	9/28/2019 3:38:17 AM	A63291
Styrene	ND	2.0		µg/L	2	9/28/2019 3:38:17 AM	A63291
tert-Butylbenzene	ND	2.0		µg/L	2	9/28/2019 3:38:17 AM	A63291
1,1,1,2-Tetrachloroethane	ND	2.0		µg/L	2	9/28/2019 3:38:17 AM	A63291
1,1,2,2-Tetrachloroethane	ND	4.0		µg/L	2	9/28/2019 3:38:17 AM	A63291
Tetrachloroethene (PCE)	5.4	2.0		µg/L	2	9/28/2019 3:38:17 AM	A63291
trans-1,2-DCE	ND	2.0		µg/L	2	9/28/2019 3:38:17 AM	A63291
trans-1,3-Dichloropropene	ND	2.0		µg/L	2	9/28/2019 3:38:17 AM	A63291
1,2,3-Trichlorobenzene	ND	2.0		µg/L	2	9/28/2019 3:38:17 AM	A63291
1,2,4-Trichlorobenzene	ND	2.0		µg/L	2	9/28/2019 3:38:17 AM	A63291
1,1,1-Trichloroethane	ND	2.0		µg/L	2	9/28/2019 3:38:17 AM	A63291
1,1,2-Trichloroethane	ND	2.0		µg/L	2	9/28/2019 3:38:17 AM	A63291
Trichloroethene (TCE)	ND	2.0		µg/L	2	9/28/2019 3:38:17 AM	A63291
Trichlorofluoromethane	ND	2.0		µg/L	2	9/28/2019 3:38:17 AM	A63291
1,2,3-Trichloropropane	ND	4.0		µg/L	2	9/28/2019 3:38:17 AM	A63291
Vinyl chloride	ND	2.0		µg/L	2	9/28/2019 3:38:17 AM	A63291
Xylenes, Total	ND	3.0		µg/L	2	9/28/2019 3:38:17 AM	A63291
Surr: 1,2-Dichloroethane-d4	112	70-130		%Rec	2	9/28/2019 3:38:17 AM	A63291
Surr: 4-Bromofluorobenzene	89.3	70-130		%Rec	2	9/28/2019 3:38:17 AM	A63291
Surr: Dibromofluoromethane	114	70-130		%Rec	2	9/28/2019 3:38:17 AM	A63291
Surr: Toluene-d8	105	70-130		%Rec	2	9/28/2019 3:38:17 AM	A63291

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 Limit
S	% Recovery outside of range due to dilution or matrix		

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD
Client Sample ID: GW-086241-092519-CM-6-20B
Project: Laguna Station 6
Collection Date: 9/25/2019 11:55:00 AM
Lab ID: 1909E60-012
Matrix: AQUEOUS
Received Date: 9/25/2019 2:45:00 PM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8260B: VOLATILES						Analyst: **DJF**	
Benzene	ND	1.0		µg/L	1	9/28/2019 4:08:06 AM	A63291
Toluene	ND	1.0		µg/L	1	9/28/2019 4:08:06 AM	A63291
Ethylbenzene	ND	1.0		µg/L	1	9/28/2019 4:08:06 AM	A63291
Methyl tert-butyl ether (MTBE)	ND	1.0		µg/L	1	9/28/2019 4:08:06 AM	A63291
1,2,4-Trimethylbenzene	ND	1.0		µg/L	1	9/28/2019 4:08:06 AM	A63291
1,3,5-Trimethylbenzene	ND	1.0		µg/L	1	9/28/2019 4:08:06 AM	A63291
1,2-Dichloroethane (EDC)	ND	1.0		µg/L	1	9/28/2019 4:08:06 AM	A63291
1,2-Dibromoethane (EDB)	ND	1.0		µg/L	1	9/28/2019 4:08:06 AM	A63291
Naphthalene	ND	2.0		µg/L	1	9/28/2019 4:08:06 AM	A63291
1-Methylnaphthalene	ND	4.0		µg/L	1	9/28/2019 4:08:06 AM	A63291
2-Methylnaphthalene	ND	4.0		µg/L	1	9/28/2019 4:08:06 AM	A63291
Acetone	ND	10		µg/L	1	9/28/2019 4:08:06 AM	A63291
Bromobenzene	ND	1.0		µg/L	1	9/28/2019 4:08:06 AM	A63291
Bromodichloromethane	ND	1.0		µg/L	1	9/28/2019 4:08:06 AM	A63291
Bromoform	ND	1.0		µg/L	1	9/28/2019 4:08:06 AM	A63291
Bromomethane	ND	3.0		µg/L	1	9/28/2019 4:08:06 AM	A63291
2-Butanone	ND	10		µg/L	1	9/28/2019 4:08:06 AM	A63291
Carbon disulfide	ND	10		µg/L	1	9/28/2019 4:08:06 AM	A63291
Carbon Tetrachloride	ND	1.0		µg/L	1	9/28/2019 4:08:06 AM	A63291
Chlorobenzene	ND	1.0		µg/L	1	9/28/2019 4:08:06 AM	A63291
Chloroethane	ND	2.0		µg/L	1	9/28/2019 4:08:06 AM	A63291
Chloroform	ND	1.0		µg/L	1	9/28/2019 4:08:06 AM	A63291
Chloromethane	ND	3.0		µg/L	1	9/28/2019 4:08:06 AM	A63291
2-Chlorotoluene	ND	1.0		µg/L	1	9/28/2019 4:08:06 AM	A63291
4-Chlorotoluene	ND	1.0		µg/L	1	9/28/2019 4:08:06 AM	A63291
cis-1,2-DCE	ND	1.0		µg/L	1	9/28/2019 4:08:06 AM	A63291
cis-1,3-Dichloropropene	ND	1.0		µg/L	1	9/28/2019 4:08:06 AM	A63291
1,2-Dibromo-3-chloropropane	ND	2.0		µg/L	1	9/28/2019 4:08:06 AM	A63291
Dibromochloromethane	ND	1.0		µg/L	1	9/28/2019 4:08:06 AM	A63291
Dibromomethane	ND	1.0		µg/L	1	9/28/2019 4:08:06 AM	A63291
1,2-Dichlorobenzene	ND	1.0		µg/L	1	9/28/2019 4:08:06 AM	A63291
1,3-Dichlorobenzene	ND	1.0		µg/L	1	9/28/2019 4:08:06 AM	A63291
1,4-Dichlorobenzene	ND	1.0		µg/L	1	9/28/2019 4:08:06 AM	A63291
Dichlorodifluoromethane	ND	1.0		µg/L	1	9/28/2019 4:08:06 AM	A63291
1,1-Dichloroethane	20	1.0		µg/L	1	9/28/2019 4:08:06 AM	A63291
1,1-Dichloroethene	1.9	1.0		µg/L	1	9/28/2019 4:08:06 AM	A63291
1,2-Dichloropropane	ND	1.0		µg/L	1	9/28/2019 4:08:06 AM	A63291
1,3-Dichloropropane	ND	1.0		µg/L	1	9/28/2019 4:08:06 AM	A63291
2,2-Dichloropropane	ND	2.0		µg/L	1	9/28/2019 4:08:06 AM	A63291

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 Limit
S	% Recovery outside of range due to dilution or matrix		

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD
Client Sample ID: GW-086241-092519-CM-6-20B
Project: Laguna Station 6
Collection Date: 9/25/2019 11:55:00 AM
Lab ID: 1909E60-012
Matrix: AQUEOUS
Received Date: 9/25/2019 2:45:00 PM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8260B: VOLATILES						Analyst: **DJF**	
1,1-Dichloropropene	ND	1.0		µg/L	1	9/28/2019 4:08:06 AM	A63291
Hexachlorobutadiene	ND	1.0		µg/L	1	9/28/2019 4:08:06 AM	A63291
2-Hexanone	ND	10		µg/L	1	9/28/2019 4:08:06 AM	A63291
Isopropylbenzene	ND	1.0		µg/L	1	9/28/2019 4:08:06 AM	A63291
4-Isopropyltoluene	ND	1.0		µg/L	1	9/28/2019 4:08:06 AM	A63291
4-Methyl-2-pentanone	ND	10		µg/L	1	9/28/2019 4:08:06 AM	A63291
Methylene Chloride	ND	3.0		µg/L	1	9/28/2019 4:08:06 AM	A63291
n-Butylbenzene	ND	3.0		µg/L	1	9/28/2019 4:08:06 AM	A63291
n-Propylbenzene	ND	1.0		µg/L	1	9/28/2019 4:08:06 AM	A63291
sec-Butylbenzene	ND	1.0		µg/L	1	9/28/2019 4:08:06 AM	A63291
Styrene	ND	1.0		µg/L	1	9/28/2019 4:08:06 AM	A63291
tert-Butylbenzene	ND	1.0		µg/L	1	9/28/2019 4:08:06 AM	A63291
1,1,1,2-Tetrachloroethane	ND	1.0		µg/L	1	9/28/2019 4:08:06 AM	A63291
1,1,2,2-Tetrachloroethane	ND	2.0		µg/L	1	9/28/2019 4:08:06 AM	A63291
Tetrachloroethene (PCE)	ND	1.0		µg/L	1	9/28/2019 4:08:06 AM	A63291
trans-1,2-DCE	ND	1.0		µg/L	1	9/28/2019 4:08:06 AM	A63291
trans-1,3-Dichloropropene	ND	1.0		µg/L	1	9/28/2019 4:08:06 AM	A63291
1,2,3-Trichlorobenzene	ND	1.0		µg/L	1	9/28/2019 4:08:06 AM	A63291
1,2,4-Trichlorobenzene	ND	1.0		µg/L	1	9/28/2019 4:08:06 AM	A63291
1,1,1-Trichloroethane	ND	1.0		µg/L	1	9/28/2019 4:08:06 AM	A63291
1,1,2-Trichloroethane	ND	1.0		µg/L	1	9/28/2019 4:08:06 AM	A63291
Trichloroethene (TCE)	ND	1.0		µg/L	1	9/28/2019 4:08:06 AM	A63291
Trichlorofluoromethane	ND	1.0		µg/L	1	9/28/2019 4:08:06 AM	A63291
1,2,3-Trichloropropane	ND	2.0		µg/L	1	9/28/2019 4:08:06 AM	A63291
Vinyl chloride	ND	1.0		µg/L	1	9/28/2019 4:08:06 AM	A63291
Xylenes, Total	ND	1.5		µg/L	1	9/28/2019 4:08:06 AM	A63291
Surr: 1,2-Dichloroethane-d4	114	70-130		%Rec	1	9/28/2019 4:08:06 AM	A63291
Surr: 4-Bromofluorobenzene	91.1	70-130		%Rec	1	9/28/2019 4:08:06 AM	A63291
Surr: Dibromofluoromethane	113	70-130		%Rec	1	9/28/2019 4:08:06 AM	A63291
Surr: Toluene-d8	105	70-130		%Rec	1	9/28/2019 4:08:06 AM	A63291

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 Limit
S	% Recovery outside of range due to dilution or matrix		

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD
Client Sample ID: GW-086241-092519-CM-6-20C
Project: Laguna Station 6
Collection Date: 9/25/2019 12:05:00 PM
Lab ID: 1909E60-013
Matrix: AQUEOUS
Received Date: 9/25/2019 2:45:00 PM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8082A: PCB'S						Analyst: **TOM**	
Aroclor 1016	ND	0.25		µg/L	1	10/4/2019 1:27:42 PM	47750
Aroclor 1221	ND	0.25		µg/L	1	10/4/2019 1:27:42 PM	47750
Aroclor 1232	ND	0.25		µg/L	1	10/4/2019 1:27:42 PM	47750
Aroclor 1242	5.4	0.25		µg/L	1	10/4/2019 1:27:42 PM	47750
Aroclor 1248	ND	0.25		µg/L	1	10/4/2019 1:27:42 PM	47750
Aroclor 1254	ND	0.25		µg/L	1	10/4/2019 1:27:42 PM	47750
Aroclor 1260	ND	0.25		µg/L	1	10/4/2019 1:27:42 PM	47750
Surr: Decachlorobiphenyl	54.4	24.8-102		%Rec	1	10/4/2019 1:27:42 PM	47750
Surr: Tetrachloro-m-xylene	50.8	15.6-106		%Rec	1	10/4/2019 1:27:42 PM	47750
EPA METHOD 8260B: VOLATILES						Analyst: **DJF**	
Benzene	1.2	1.0		µg/L	1	9/28/2019 4:38:00 AM	A63291
Toluene	ND	1.0		µg/L	1	9/28/2019 4:38:00 AM	A63291
Ethylbenzene	ND	1.0		µg/L	1	9/28/2019 4:38:00 AM	A63291
Methyl tert-butyl ether (MTBE)	ND	1.0		µg/L	1	9/28/2019 4:38:00 AM	A63291
1,2,4-Trimethylbenzene	ND	1.0		µg/L	1	9/28/2019 4:38:00 AM	A63291
1,3,5-Trimethylbenzene	ND	1.0		µg/L	1	9/28/2019 4:38:00 AM	A63291
1,2-Dichloroethane (EDC)	ND	1.0		µg/L	1	9/28/2019 4:38:00 AM	A63291
1,2-Dibromoethane (EDB)	ND	1.0		µg/L	1	9/28/2019 4:38:00 AM	A63291
Naphthalene	ND	2.0		µg/L	1	9/28/2019 4:38:00 AM	A63291
1-Methylnaphthalene	ND	4.0		µg/L	1	9/28/2019 4:38:00 AM	A63291
2-Methylnaphthalene	ND	4.0		µg/L	1	9/28/2019 4:38:00 AM	A63291
Acetone	ND	10		µg/L	1	9/28/2019 4:38:00 AM	A63291
Bromobenzene	ND	1.0		µg/L	1	9/28/2019 4:38:00 AM	A63291
Bromodichloromethane	ND	1.0		µg/L	1	9/28/2019 4:38:00 AM	A63291
Bromoform	ND	1.0		µg/L	1	9/28/2019 4:38:00 AM	A63291
Bromomethane	ND	3.0		µg/L	1	9/28/2019 4:38:00 AM	A63291
2-Butanone	ND	10		µg/L	1	9/28/2019 4:38:00 AM	A63291
Carbon disulfide	ND	10		µg/L	1	9/28/2019 4:38:00 AM	A63291
Carbon Tetrachloride	ND	1.0		µg/L	1	9/28/2019 4:38:00 AM	A63291
Chlorobenzene	ND	1.0		µg/L	1	9/28/2019 4:38:00 AM	A63291
Chloroethane	ND	2.0		µg/L	1	9/28/2019 4:38:00 AM	A63291
Chloroform	ND	1.0		µg/L	1	9/28/2019 4:38:00 AM	A63291
Chloromethane	ND	3.0		µg/L	1	9/28/2019 4:38:00 AM	A63291
2-Chlorotoluene	ND	1.0		µg/L	1	9/28/2019 4:38:00 AM	A63291
4-Chlorotoluene	ND	1.0		µg/L	1	9/28/2019 4:38:00 AM	A63291
cis-1,2-DCE	ND	1.0		µg/L	1	9/28/2019 4:38:00 AM	A63291
cis-1,3-Dichloropropene	ND	1.0		µg/L	1	9/28/2019 4:38:00 AM	A63291
1,2-Dibromo-3-chloropropane	ND	2.0		µg/L	1	9/28/2019 4:38:00 AM	A63291
Dibromochloromethane	ND	1.0		µg/L	1	9/28/2019 4:38:00 AM	A63291

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 Limit
S	% Recovery outside of range due to dilution or matrix		

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD
Client Sample ID: GW-086241-092519-CM-6-20C
Project: Laguna Station 6
Collection Date: 9/25/2019 12:05:00 PM
Lab ID: 1909E60-013
Matrix: AQUEOUS
Received Date: 9/25/2019 2:45:00 PM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8260B: VOLATILES						Analyst: **DJF**	
Dibromomethane	ND	1.0		µg/L	1	9/28/2019 4:38:00 AM	A63291
1,2-Dichlorobenzene	ND	1.0		µg/L	1	9/28/2019 4:38:00 AM	A63291
1,3-Dichlorobenzene	ND	1.0		µg/L	1	9/28/2019 4:38:00 AM	A63291
1,4-Dichlorobenzene	ND	1.0		µg/L	1	9/28/2019 4:38:00 AM	A63291
Dichlorodifluoromethane	ND	1.0		µg/L	1	9/28/2019 4:38:00 AM	A63291
1,1-Dichloroethane	21	1.0		µg/L	1	9/28/2019 4:38:00 AM	A63291
1,1-Dichloroethene	6.9	1.0		µg/L	1	9/28/2019 4:38:00 AM	A63291
1,2-Dichloropropane	ND	1.0		µg/L	1	9/28/2019 4:38:00 AM	A63291
1,3-Dichloropropane	ND	1.0		µg/L	1	9/28/2019 4:38:00 AM	A63291
2,2-Dichloropropane	ND	2.0		µg/L	1	9/28/2019 4:38:00 AM	A63291
1,1-Dichloropropene	ND	1.0		µg/L	1	9/28/2019 4:38:00 AM	A63291
Hexachlorobutadiene	ND	1.0		µg/L	1	9/28/2019 4:38:00 AM	A63291
2-Hexanone	ND	10		µg/L	1	9/28/2019 4:38:00 AM	A63291
Isopropylbenzene	ND	1.0		µg/L	1	9/28/2019 4:38:00 AM	A63291
4-Isopropyltoluene	ND	1.0		µg/L	1	9/28/2019 4:38:00 AM	A63291
4-Methyl-2-pentanone	ND	10		µg/L	1	9/28/2019 4:38:00 AM	A63291
Methylene Chloride	ND	3.0		µg/L	1	9/28/2019 4:38:00 AM	A63291
n-Butylbenzene	ND	3.0		µg/L	1	9/28/2019 4:38:00 AM	A63291
n-Propylbenzene	ND	1.0		µg/L	1	9/28/2019 4:38:00 AM	A63291
sec-Butylbenzene	ND	1.0		µg/L	1	9/28/2019 4:38:00 AM	A63291
Styrene	ND	1.0		µg/L	1	9/28/2019 4:38:00 AM	A63291
tert-Butylbenzene	ND	1.0		µg/L	1	9/28/2019 4:38:00 AM	A63291
1,1,1,2-Tetrachloroethane	ND	1.0		µg/L	1	9/28/2019 4:38:00 AM	A63291
1,1,2,2-Tetrachloroethane	ND	2.0		µg/L	1	9/28/2019 4:38:00 AM	A63291
Tetrachloroethene (PCE)	ND	1.0		µg/L	1	9/28/2019 4:38:00 AM	A63291
trans-1,2-DCE	ND	1.0		µg/L	1	9/28/2019 4:38:00 AM	A63291
trans-1,3-Dichloropropene	ND	1.0		µg/L	1	9/28/2019 4:38:00 AM	A63291
1,2,3-Trichlorobenzene	ND	1.0		µg/L	1	9/28/2019 4:38:00 AM	A63291
1,2,4-Trichlorobenzene	ND	1.0		µg/L	1	9/28/2019 4:38:00 AM	A63291
1,1,1-Trichloroethane	ND	1.0		µg/L	1	9/28/2019 4:38:00 AM	A63291
1,1,2-Trichloroethane	ND	1.0		µg/L	1	9/28/2019 4:38:00 AM	A63291
Trichloroethene (TCE)	ND	1.0		µg/L	1	9/28/2019 4:38:00 AM	A63291
Trichlorofluoromethane	ND	1.0		µg/L	1	9/28/2019 4:38:00 AM	A63291
1,2,3-Trichloropropane	ND	2.0		µg/L	1	9/28/2019 4:38:00 AM	A63291
Vinyl chloride	ND	1.0		µg/L	1	9/28/2019 4:38:00 AM	A63291
Xylenes, Total	ND	1.5		µg/L	1	9/28/2019 4:38:00 AM	A63291
Surr: 1,2-Dichloroethane-d4	109	70-130		%Rec	1	9/28/2019 4:38:00 AM	A63291
Surr: 4-Bromofluorobenzene	91.5	70-130		%Rec	1	9/28/2019 4:38:00 AM	A63291
Surr: Dibromofluoromethane	113	70-130		%Rec	1	9/28/2019 4:38:00 AM	A63291

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 Limit
S	% Recovery outside of range due to dilution or matrix		

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD
Client Sample ID: GW-086241-092519-CM-6-20C
Project: Laguna Station 6
Collection Date: 9/25/2019 12:05:00 PM
Lab ID: 1909E60-013
Matrix: AQUEOUS
Received Date: 9/25/2019 2:45:00 PM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8260B: VOLATILES						Analyst: **DJF**	
Surr: Toluene-d8	102	70-130		%Rec	1	9/28/2019 4:38:00 AM	A63291

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 Limit
S	% Recovery outside of range due to dilution or matrix		

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD
Client Sample ID: GW-086241-092519-CM-6-21B
Project: Laguna Station 6
Collection Date: 9/25/2019 10:00:00 AM
Lab ID: 1909E60-014
Matrix: AQUEOUS
Received Date: 9/25/2019 2:45:00 PM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 9060 TOC						Analyst: **SMS**	
Total Organic Carbon	19	1.0		mg/L	1	10/5/2019 10:41:54 AM	A63487
EPA METHOD 300.0: ANIONS						Analyst: **CAS**	
Nitrogen, Nitrate (As N)	3.3	0.50		mg/L	5	9/26/2019 5:24:54 PM	R63252
Sulfate	650	10	*	mg/L	20	9/26/2019 5:37:18 PM	R63252
EPA METHOD 8082A: PCB'S						Analyst: **TOM**	
Aroclor 1016	ND	0.25		µg/L	1	10/3/2019 5:11:01 PM	47750
Aroclor 1221	ND	0.25		µg/L	1	10/3/2019 5:11:01 PM	47750
Aroclor 1232	ND	0.25		µg/L	1	10/3/2019 5:11:01 PM	47750
Aroclor 1242	ND	0.25		µg/L	1	10/3/2019 5:11:01 PM	47750
Aroclor 1248	ND	0.25		µg/L	1	10/3/2019 5:11:01 PM	47750
Aroclor 1254	ND	0.25		µg/L	1	10/3/2019 5:11:01 PM	47750
Aroclor 1260	ND	0.25		µg/L	1	10/3/2019 5:11:01 PM	47750
Surr: Decachlorobiphenyl	53.6	24.8-102		%Rec	1	10/3/2019 5:11:01 PM	47750
Surr: Tetrachloro-m-xylene	52.4	15.6-106		%Rec	1	10/3/2019 5:11:01 PM	47750
EPA METHOD 8260B: VOLATILES						Analyst: **DJF**	
Benzene	ND	1.0		µg/L	1	9/28/2019 5:07:41 AM	A63291
Toluene	ND	1.0		µg/L	1	9/28/2019 5:07:41 AM	A63291
Ethylbenzene	ND	1.0		µg/L	1	9/28/2019 5:07:41 AM	A63291
Methyl tert-butyl ether (MTBE)	ND	1.0		µg/L	1	9/28/2019 5:07:41 AM	A63291
1,2,4-Trimethylbenzene	ND	1.0		µg/L	1	9/28/2019 5:07:41 AM	A63291
1,3,5-Trimethylbenzene	ND	1.0		µg/L	1	9/28/2019 5:07:41 AM	A63291
1,2-Dichloroethane (EDC)	ND	1.0		µg/L	1	9/28/2019 5:07:41 AM	A63291
1,2-Dibromoethane (EDB)	ND	1.0		µg/L	1	9/28/2019 5:07:41 AM	A63291
Naphthalene	ND	2.0		µg/L	1	9/28/2019 5:07:41 AM	A63291
1-Methylnaphthalene	ND	4.0		µg/L	1	9/28/2019 5:07:41 AM	A63291
2-Methylnaphthalene	ND	4.0		µg/L	1	9/28/2019 5:07:41 AM	A63291
Acetone	ND	10		µg/L	1	9/28/2019 5:07:41 AM	A63291
Bromobenzene	ND	1.0		µg/L	1	9/28/2019 5:07:41 AM	A63291
Bromodichloromethane	ND	1.0		µg/L	1	9/28/2019 5:07:41 AM	A63291
Bromoform	ND	1.0		µg/L	1	9/28/2019 5:07:41 AM	A63291
Bromomethane	ND	3.0		µg/L	1	9/28/2019 5:07:41 AM	A63291
2-Butanone	ND	10		µg/L	1	9/28/2019 5:07:41 AM	A63291
Carbon disulfide	ND	10		µg/L	1	9/28/2019 5:07:41 AM	A63291
Carbon Tetrachloride	ND	1.0		µg/L	1	9/28/2019 5:07:41 AM	A63291
Chlorobenzene	ND	1.0		µg/L	1	9/28/2019 5:07:41 AM	A63291
Chloroethane	ND	2.0		µg/L	1	9/28/2019 5:07:41 AM	A63291
Chloroform	ND	1.0		µg/L	1	9/28/2019 5:07:41 AM	A63291
Chloromethane	ND	3.0		µg/L	1	9/28/2019 5:07:41 AM	A63291

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 Limit
S	% Recovery outside of range due to dilution or matrix		

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD
Client Sample ID: GW-086241-092519-CM-6-21B
Project: Laguna Station 6
Collection Date: 9/25/2019 10:00:00 AM
Lab ID: 1909E60-014
Matrix: AQUEOUS
Received Date: 9/25/2019 2:45:00 PM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8260B: VOLATILES						Analyst: **DJF**	
2-Chlorotoluene	ND	1.0		µg/L	1	9/28/2019 5:07:41 AM	A63291
4-Chlorotoluene	ND	1.0		µg/L	1	9/28/2019 5:07:41 AM	A63291
cis-1,2-DCE	ND	1.0		µg/L	1	9/28/2019 5:07:41 AM	A63291
cis-1,3-Dichloropropene	ND	1.0		µg/L	1	9/28/2019 5:07:41 AM	A63291
1,2-Dibromo-3-chloropropane	ND	2.0		µg/L	1	9/28/2019 5:07:41 AM	A63291
Dibromochloromethane	ND	1.0		µg/L	1	9/28/2019 5:07:41 AM	A63291
Dibromomethane	ND	1.0		µg/L	1	9/28/2019 5:07:41 AM	A63291
1,2-Dichlorobenzene	ND	1.0		µg/L	1	9/28/2019 5:07:41 AM	A63291
1,3-Dichlorobenzene	ND	1.0		µg/L	1	9/28/2019 5:07:41 AM	A63291
1,4-Dichlorobenzene	ND	1.0		µg/L	1	9/28/2019 5:07:41 AM	A63291
Dichlorodifluoromethane	ND	1.0		µg/L	1	9/28/2019 5:07:41 AM	A63291
1,1-Dichloroethane	40	1.0		µg/L	1	9/28/2019 5:07:41 AM	A63291
1,1-Dichloroethene	9.1	1.0		µg/L	1	9/28/2019 5:07:41 AM	A63291
1,2-Dichloropropane	ND	1.0		µg/L	1	9/28/2019 5:07:41 AM	A63291
1,3-Dichloropropane	ND	1.0		µg/L	1	9/28/2019 5:07:41 AM	A63291
2,2-Dichloropropane	ND	2.0		µg/L	1	9/28/2019 5:07:41 AM	A63291
1,1-Dichloropropene	ND	1.0		µg/L	1	9/28/2019 5:07:41 AM	A63291
Hexachlorobutadiene	ND	1.0		µg/L	1	9/28/2019 5:07:41 AM	A63291
2-Hexanone	ND	10		µg/L	1	9/28/2019 5:07:41 AM	A63291
Isopropylbenzene	ND	1.0		µg/L	1	9/28/2019 5:07:41 AM	A63291
4-Isopropyltoluene	ND	1.0		µg/L	1	9/28/2019 5:07:41 AM	A63291
4-Methyl-2-pentanone	ND	10		µg/L	1	9/28/2019 5:07:41 AM	A63291
Methylene Chloride	ND	3.0		µg/L	1	9/28/2019 5:07:41 AM	A63291
n-Butylbenzene	ND	3.0		µg/L	1	9/28/2019 5:07:41 AM	A63291
n-Propylbenzene	ND	1.0		µg/L	1	9/28/2019 5:07:41 AM	A63291
sec-Butylbenzene	ND	1.0		µg/L	1	9/28/2019 5:07:41 AM	A63291
Styrene	ND	1.0		µg/L	1	9/28/2019 5:07:41 AM	A63291
tert-Butylbenzene	ND	1.0		µg/L	1	9/28/2019 5:07:41 AM	A63291
1,1,1,2-Tetrachloroethane	ND	1.0		µg/L	1	9/28/2019 5:07:41 AM	A63291
1,1,2,2-Tetrachloroethane	ND	2.0		µg/L	1	9/28/2019 5:07:41 AM	A63291
Tetrachloroethene (PCE)	ND	1.0		µg/L	1	9/28/2019 5:07:41 AM	A63291
trans-1,2-DCE	ND	1.0		µg/L	1	9/28/2019 5:07:41 AM	A63291
trans-1,3-Dichloropropene	ND	1.0		µg/L	1	9/28/2019 5:07:41 AM	A63291
1,2,3-Trichlorobenzene	ND	1.0		µg/L	1	9/28/2019 5:07:41 AM	A63291
1,2,4-Trichlorobenzene	ND	1.0		µg/L	1	9/28/2019 5:07:41 AM	A63291
1,1,1-Trichloroethane	ND	1.0		µg/L	1	9/28/2019 5:07:41 AM	A63291
1,1,2-Trichloroethane	ND	1.0		µg/L	1	9/28/2019 5:07:41 AM	A63291
Trichloroethene (TCE)	ND	1.0		µg/L	1	9/28/2019 5:07:41 AM	A63291
Trichlorofluoromethane	ND	1.0		µg/L	1	9/28/2019 5:07:41 AM	A63291

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 Limit
S	% Recovery outside of range due to dilution or matrix		

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD
Client Sample ID: GW-086241-092519-CM-6-21B
Project: Laguna Station 6
Collection Date: 9/25/2019 10:00:00 AM
Lab ID: 1909E60-014
Matrix: AQUEOUS
Received Date: 9/25/2019 2:45:00 PM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8260B: VOLATILES						Analyst: **DJF**	
1,2,3-Trichloropropane	ND	2.0		µg/L	1	9/28/2019 5:07:41 AM	A63291
Vinyl chloride	ND	1.0		µg/L	1	9/28/2019 5:07:41 AM	A63291
Xylenes, Total	ND	1.5		µg/L	1	9/28/2019 5:07:41 AM	A63291
Surr: 1,2-Dichloroethane-d4	113	70-130		%Rec	1	9/28/2019 5:07:41 AM	A63291
Surr: 4-Bromofluorobenzene	89.0	70-130		%Rec	1	9/28/2019 5:07:41 AM	A63291
Surr: Dibromofluoromethane	114	70-130		%Rec	1	9/28/2019 5:07:41 AM	A63291
Surr: Toluene-d8	104	70-130		%Rec	1	9/28/2019 5:07:41 AM	A63291

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 Limit
S	% Recovery outside of range due to dilution or matrix		

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD
Client Sample ID: GW-086241-092519-CM-6-21C
Project: Laguna Station 6
Collection Date: 9/25/2019 10:10:00 AM
Lab ID: 1909E60-015
Matrix: AQUEOUS
Received Date: 9/25/2019 2:45:00 PM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 9060 TOC						Analyst: **SMS**	
Total Organic Carbon	100	1.0		mg/L	1	10/5/2019 11:03:01 AM	A63487
EPA METHOD 300.0: ANIONS						Analyst: **CAS**	
Nitrogen, Nitrate (As N)	ND	0.50		mg/L	5	9/26/2019 5:49:43 PM	R63252
Sulfate	ND	2.5		mg/L	5	9/26/2019 5:49:43 PM	R63252
EPA METHOD 8082A: PCB'S						Analyst: **TOM**	
Aroclor 1016	ND	2.5		µg/L	1	10/4/2019 2:00:40 PM	47821
Aroclor 1221	ND	2.5		µg/L	1	10/4/2019 2:00:40 PM	47821
Aroclor 1232	ND	2.5		µg/L	1	10/4/2019 2:00:40 PM	47821
Aroclor 1242	19	2.5		µg/L	1	10/4/2019 2:00:40 PM	47821
Aroclor 1248	ND	2.5		µg/L	1	10/4/2019 2:00:40 PM	47821
Aroclor 1254	ND	2.5		µg/L	1	10/4/2019 2:00:40 PM	47821
Aroclor 1260	ND	2.5		µg/L	1	10/4/2019 2:00:40 PM	47821
Surr: Decachlorobiphenyl	58.0	24.8-102		%Rec	1	10/4/2019 2:00:40 PM	47821
Surr: Tetrachloro-m-xylene	55.6	15.6-106		%Rec	1	10/4/2019 2:00:40 PM	47821
EPA METHOD 8260B: VOLATILES						Analyst: **DJF**	
Benzene	1.5	1.0		µg/L	1	9/28/2019 5:37:30 AM	A63291
Toluene	ND	1.0		µg/L	1	9/28/2019 5:37:30 AM	A63291
Ethylbenzene	ND	1.0		µg/L	1	9/28/2019 5:37:30 AM	A63291
Methyl tert-butyl ether (MTBE)	ND	1.0		µg/L	1	9/28/2019 5:37:30 AM	A63291
1,2,4-Trimethylbenzene	ND	1.0		µg/L	1	9/28/2019 5:37:30 AM	A63291
1,3,5-Trimethylbenzene	ND	1.0		µg/L	1	9/28/2019 5:37:30 AM	A63291
1,2-Dichloroethane (EDC)	ND	1.0		µg/L	1	9/28/2019 5:37:30 AM	A63291
1,2-Dibromoethane (EDB)	ND	1.0		µg/L	1	9/28/2019 5:37:30 AM	A63291
Naphthalene	ND	2.0		µg/L	1	9/28/2019 5:37:30 AM	A63291
1-Methylnaphthalene	ND	4.0		µg/L	1	9/28/2019 5:37:30 AM	A63291
2-Methylnaphthalene	ND	4.0		µg/L	1	9/28/2019 5:37:30 AM	A63291
Acetone	43	10		µg/L	1	9/30/2019 12:02:45 PM	R63315
Bromobenzene	ND	1.0		µg/L	1	9/28/2019 5:37:30 AM	A63291
Bromodichloromethane	ND	1.0		µg/L	1	9/28/2019 5:37:30 AM	A63291
Bromoform	ND	1.0		µg/L	1	9/28/2019 5:37:30 AM	A63291
Bromomethane	ND	3.0		µg/L	1	9/28/2019 5:37:30 AM	A63291
2-Butanone	ND	10		µg/L	1	9/28/2019 5:37:30 AM	A63291
Carbon disulfide	ND	10		µg/L	1	9/28/2019 5:37:30 AM	A63291
Carbon Tetrachloride	ND	1.0		µg/L	1	9/28/2019 5:37:30 AM	A63291
Chlorobenzene	ND	1.0		µg/L	1	9/28/2019 5:37:30 AM	A63291
Chloroethane	6.5	2.0		µg/L	1	9/28/2019 5:37:30 AM	A63291
Chloroform	ND	1.0		µg/L	1	9/28/2019 5:37:30 AM	A63291
Chloromethane	ND	3.0		µg/L	1	9/28/2019 5:37:30 AM	A63291

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 Limit
S	% Recovery outside of range due to dilution or matrix		

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD
Client Sample ID: GW-086241-092519-CM-6-21C
Project: Laguna Station 6
Collection Date: 9/25/2019 10:10:00 AM
Lab ID: 1909E60-015
Matrix: AQUEOUS
Received Date: 9/25/2019 2:45:00 PM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8260B: VOLATILES						Analyst: **DJF**	
2-Chlorotoluene	ND	1.0		µg/L	1	9/28/2019 5:37:30 AM	A63291
4-Chlorotoluene	ND	1.0		µg/L	1	9/28/2019 5:37:30 AM	A63291
cis-1,2-DCE	ND	1.0		µg/L	1	9/28/2019 5:37:30 AM	A63291
cis-1,3-Dichloropropene	ND	1.0		µg/L	1	9/28/2019 5:37:30 AM	A63291
1,2-Dibromo-3-chloropropane	ND	2.0		µg/L	1	9/28/2019 5:37:30 AM	A63291
Dibromochloromethane	ND	1.0		µg/L	1	9/28/2019 5:37:30 AM	A63291
Dibromomethane	ND	1.0		µg/L	1	9/28/2019 5:37:30 AM	A63291
1,2-Dichlorobenzene	ND	1.0		µg/L	1	9/28/2019 5:37:30 AM	A63291
1,3-Dichlorobenzene	ND	1.0		µg/L	1	9/28/2019 5:37:30 AM	A63291
1,4-Dichlorobenzene	ND	1.0		µg/L	1	9/28/2019 5:37:30 AM	A63291
Dichlorodifluoromethane	ND	1.0		µg/L	1	9/28/2019 5:37:30 AM	A63291
1,1-Dichloroethane	ND	1.0		µg/L	1	9/28/2019 5:37:30 AM	A63291
1,1-Dichloroethene	2.1	1.0		µg/L	1	9/28/2019 5:37:30 AM	A63291
1,2-Dichloropropane	ND	1.0		µg/L	1	9/28/2019 5:37:30 AM	A63291
1,3-Dichloropropane	ND	1.0		µg/L	1	9/28/2019 5:37:30 AM	A63291
2,2-Dichloropropane	ND	2.0		µg/L	1	9/28/2019 5:37:30 AM	A63291
1,1-Dichloropropene	ND	1.0		µg/L	1	9/28/2019 5:37:30 AM	A63291
Hexachlorobutadiene	ND	1.0		µg/L	1	9/28/2019 5:37:30 AM	A63291
2-Hexanone	17	10		µg/L	1	9/28/2019 5:37:30 AM	A63291
Isopropylbenzene	ND	1.0		µg/L	1	9/28/2019 5:37:30 AM	A63291
4-Isopropyltoluene	ND	1.0		µg/L	1	9/28/2019 5:37:30 AM	A63291
4-Methyl-2-pentanone	ND	10		µg/L	1	9/28/2019 5:37:30 AM	A63291
Methylene Chloride	ND	3.0		µg/L	1	9/28/2019 5:37:30 AM	A63291
n-Butylbenzene	ND	3.0		µg/L	1	9/28/2019 5:37:30 AM	A63291
n-Propylbenzene	ND	1.0		µg/L	1	9/28/2019 5:37:30 AM	A63291
sec-Butylbenzene	ND	1.0		µg/L	1	9/28/2019 5:37:30 AM	A63291
Styrene	ND	1.0		µg/L	1	9/28/2019 5:37:30 AM	A63291
tert-Butylbenzene	ND	1.0		µg/L	1	9/28/2019 5:37:30 AM	A63291
1,1,1,2-Tetrachloroethane	ND	1.0		µg/L	1	9/28/2019 5:37:30 AM	A63291
1,1,2,2-Tetrachloroethane	ND	2.0		µg/L	1	9/28/2019 5:37:30 AM	A63291
Tetrachloroethene (PCE)	ND	1.0		µg/L	1	9/28/2019 5:37:30 AM	A63291
trans-1,2-DCE	ND	1.0		µg/L	1	9/28/2019 5:37:30 AM	A63291
trans-1,3-Dichloropropene	ND	1.0		µg/L	1	9/28/2019 5:37:30 AM	A63291
1,2,3-Trichlorobenzene	ND	1.0		µg/L	1	9/28/2019 5:37:30 AM	A63291
1,2,4-Trichlorobenzene	ND	1.0		µg/L	1	9/28/2019 5:37:30 AM	A63291
1,1,1-Trichloroethane	ND	1.0		µg/L	1	9/28/2019 5:37:30 AM	A63291
1,1,2-Trichloroethane	ND	1.0		µg/L	1	9/28/2019 5:37:30 AM	A63291
Trichloroethene (TCE)	ND	1.0		µg/L	1	9/28/2019 5:37:30 AM	A63291
Trichlorofluoromethane	ND	1.0		µg/L	1	9/28/2019 5:37:30 AM	A63291

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 Limit
S	% Recovery outside of range due to dilution or matrix		

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD
Client Sample ID: GW-086241-092519-CM-6-21C
Project: Laguna Station 6
Collection Date: 9/25/2019 10:10:00 AM
Lab ID: 1909E60-015
Matrix: AQUEOUS
Received Date: 9/25/2019 2:45:00 PM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8260B: VOLATILES						Analyst: **DJF**	
1,2,3-Trichloropropane	ND	2.0		µg/L	1	9/28/2019 5:37:30 AM	A63291
Vinyl chloride	1.3	1.0		µg/L	1	9/28/2019 5:37:30 AM	A63291
Xylenes, Total	ND	1.5		µg/L	1	9/28/2019 5:37:30 AM	A63291
Surr: 1,2-Dichloroethane-d4	108	70-130		%Rec	1	9/28/2019 5:37:30 AM	A63291
Surr: 4-Bromofluorobenzene	89.1	70-130		%Rec	1	9/28/2019 5:37:30 AM	A63291
Surr: Dibromofluoromethane	110	70-130		%Rec	1	9/28/2019 5:37:30 AM	A63291
Surr: Toluene-d8	105	70-130		%Rec	1	9/28/2019 5:37:30 AM	A63291

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 Limit
S	% Recovery outside of range due to dilution or matrix		

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD
Client Sample ID: GW-086241-092519-CM-6-22B
Project: Laguna Station 6
Collection Date: 9/25/2019 10:40:00 AM
Lab ID: 1909E60-016
Matrix: AQUEOUS
Received Date: 9/25/2019 2:45:00 PM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 9060 TOC						Analyst: **SMS**	
Total Organic Carbon	23	1.0		mg/L	1	10/5/2019 11:23:49 AM	A63487
EPA METHOD 300.0: ANIONS						Analyst: **CAS**	
Nitrogen, Nitrate (As N)	ND	0.50		mg/L	5	9/26/2019 6:39:21 PM	R63252
Sulfate	900	25	*	mg/L	50	10/8/2019 12:23:05 AM	R63492
EPA METHOD 8082A: PCB'S						Analyst: **TOM**	
Aroclor 1016	ND	0.25		µg/L	1	10/4/2019 2:33:36 PM	47821
Aroclor 1221	ND	0.25		µg/L	1	10/4/2019 2:33:36 PM	47821
Aroclor 1232	ND	0.25		µg/L	1	10/4/2019 2:33:36 PM	47821
Aroclor 1242	0.77	0.25		µg/L	1	10/4/2019 2:33:36 PM	47821
Aroclor 1248	ND	0.25		µg/L	1	10/4/2019 2:33:36 PM	47821
Aroclor 1254	ND	0.25		µg/L	1	10/4/2019 2:33:36 PM	47821
Aroclor 1260	ND	0.25		µg/L	1	10/4/2019 2:33:36 PM	47821
Surr: Decachlorobiphenyl	49.6	24.8-102		%Rec	1	10/4/2019 2:33:36 PM	47821
Surr: Tetrachloro-m-xylene	55.2	15.6-106		%Rec	1	10/4/2019 2:33:36 PM	47821
EPA METHOD 8260B: VOLATILES						Analyst: **DJF**	
Benzene	1.4	1.0		µg/L	1	9/28/2019 6:06:27 AM	A63291
Toluene	ND	1.0		µg/L	1	9/28/2019 6:06:27 AM	A63291
Ethylbenzene	ND	1.0		µg/L	1	9/28/2019 6:06:27 AM	A63291
Methyl tert-butyl ether (MTBE)	ND	1.0		µg/L	1	9/28/2019 6:06:27 AM	A63291
1,2,4-Trimethylbenzene	ND	1.0		µg/L	1	9/28/2019 6:06:27 AM	A63291
1,3,5-Trimethylbenzene	ND	1.0		µg/L	1	9/28/2019 6:06:27 AM	A63291
1,2-Dichloroethane (EDC)	ND	1.0		µg/L	1	9/28/2019 6:06:27 AM	A63291
1,2-Dibromoethane (EDB)	ND	1.0		µg/L	1	9/28/2019 6:06:27 AM	A63291
Naphthalene	ND	2.0		µg/L	1	9/28/2019 6:06:27 AM	A63291
1-Methylnaphthalene	ND	4.0		µg/L	1	9/28/2019 6:06:27 AM	A63291
2-Methylnaphthalene	ND	4.0		µg/L	1	9/28/2019 6:06:27 AM	A63291
Acetone	ND	10		µg/L	1	9/28/2019 6:06:27 AM	A63291
Bromobenzene	ND	1.0		µg/L	1	9/28/2019 6:06:27 AM	A63291
Bromodichloromethane	ND	1.0		µg/L	1	9/28/2019 6:06:27 AM	A63291
Bromoform	ND	1.0		µg/L	1	9/28/2019 6:06:27 AM	A63291
Bromomethane	ND	3.0		µg/L	1	9/28/2019 6:06:27 AM	A63291
2-Butanone	ND	10		µg/L	1	9/28/2019 6:06:27 AM	A63291
Carbon disulfide	ND	10		µg/L	1	9/28/2019 6:06:27 AM	A63291
Carbon Tetrachloride	ND	1.0		µg/L	1	9/28/2019 6:06:27 AM	A63291
Chlorobenzene	ND	1.0		µg/L	1	9/28/2019 6:06:27 AM	A63291
Chloroethane	ND	2.0		µg/L	1	9/28/2019 6:06:27 AM	A63291
Chloroform	ND	1.0		µg/L	1	9/28/2019 6:06:27 AM	A63291
Chloromethane	ND	3.0		µg/L	1	9/28/2019 6:06:27 AM	A63291

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 Limit
S	% Recovery outside of range due to dilution or matrix		

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD
Client Sample ID: GW-086241-092519-CM-6-22B
Project: Laguna Station 6
Collection Date: 9/25/2019 10:40:00 AM
Lab ID: 1909E60-016
Matrix: AQUEOUS
Received Date: 9/25/2019 2:45:00 PM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8260B: VOLATILES						Analyst: **DJF**	
2-Chlorotoluene	ND	1.0		µg/L	1	9/28/2019 6:06:27 AM	A63291
4-Chlorotoluene	ND	1.0		µg/L	1	9/28/2019 6:06:27 AM	A63291
cis-1,2-DCE	ND	1.0		µg/L	1	9/28/2019 6:06:27 AM	A63291
cis-1,3-Dichloropropene	ND	1.0		µg/L	1	9/28/2019 6:06:27 AM	A63291
1,2-Dibromo-3-chloropropane	ND	2.0		µg/L	1	9/28/2019 6:06:27 AM	A63291
Dibromochloromethane	ND	1.0		µg/L	1	9/28/2019 6:06:27 AM	A63291
Dibromomethane	ND	1.0		µg/L	1	9/28/2019 6:06:27 AM	A63291
1,2-Dichlorobenzene	ND	1.0		µg/L	1	9/28/2019 6:06:27 AM	A63291
1,3-Dichlorobenzene	ND	1.0		µg/L	1	9/28/2019 6:06:27 AM	A63291
1,4-Dichlorobenzene	ND	1.0		µg/L	1	9/28/2019 6:06:27 AM	A63291
Dichlorodifluoromethane	ND	1.0		µg/L	1	9/28/2019 6:06:27 AM	A63291
1,1-Dichloroethane	ND	1.0		µg/L	1	9/28/2019 6:06:27 AM	A63291
1,1-Dichloroethene	ND	1.0		µg/L	1	9/28/2019 6:06:27 AM	A63291
1,2-Dichloropropane	ND	1.0		µg/L	1	9/28/2019 6:06:27 AM	A63291
1,3-Dichloropropane	ND	1.0		µg/L	1	9/28/2019 6:06:27 AM	A63291
2,2-Dichloropropane	ND	2.0		µg/L	1	9/28/2019 6:06:27 AM	A63291
1,1-Dichloropropene	ND	1.0		µg/L	1	9/28/2019 6:06:27 AM	A63291
Hexachlorobutadiene	ND	1.0		µg/L	1	9/28/2019 6:06:27 AM	A63291
2-Hexanone	ND	10		µg/L	1	9/28/2019 6:06:27 AM	A63291
Isopropylbenzene	ND	1.0		µg/L	1	9/28/2019 6:06:27 AM	A63291
4-Isopropyltoluene	ND	1.0		µg/L	1	9/28/2019 6:06:27 AM	A63291
4-Methyl-2-pentanone	ND	10		µg/L	1	9/28/2019 6:06:27 AM	A63291
Methylene Chloride	ND	3.0		µg/L	1	9/28/2019 6:06:27 AM	A63291
n-Butylbenzene	ND	3.0		µg/L	1	9/28/2019 6:06:27 AM	A63291
n-Propylbenzene	ND	1.0		µg/L	1	9/28/2019 6:06:27 AM	A63291
sec-Butylbenzene	ND	1.0		µg/L	1	9/28/2019 6:06:27 AM	A63291
Styrene	ND	1.0		µg/L	1	9/28/2019 6:06:27 AM	A63291
tert-Butylbenzene	ND	1.0		µg/L	1	9/28/2019 6:06:27 AM	A63291
1,1,1,2-Tetrachloroethane	ND	1.0		µg/L	1	9/28/2019 6:06:27 AM	A63291
1,1,2,2-Tetrachloroethane	ND	2.0		µg/L	1	9/28/2019 6:06:27 AM	A63291
Tetrachloroethene (PCE)	ND	1.0		µg/L	1	9/28/2019 6:06:27 AM	A63291
trans-1,2-DCE	ND	1.0		µg/L	1	9/28/2019 6:06:27 AM	A63291
trans-1,3-Dichloropropene	ND	1.0		µg/L	1	9/28/2019 6:06:27 AM	A63291
1,2,3-Trichlorobenzene	ND	1.0		µg/L	1	9/28/2019 6:06:27 AM	A63291
1,2,4-Trichlorobenzene	ND	1.0		µg/L	1	9/28/2019 6:06:27 AM	A63291
1,1,1-Trichloroethane	ND	1.0		µg/L	1	9/28/2019 6:06:27 AM	A63291
1,1,2-Trichloroethane	ND	1.0		µg/L	1	9/28/2019 6:06:27 AM	A63291
Trichloroethene (TCE)	ND	1.0		µg/L	1	9/28/2019 6:06:27 AM	A63291
Trichlorofluoromethane	ND	1.0		µg/L	1	9/28/2019 6:06:27 AM	A63291

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 Limit
S	% Recovery outside of range due to dilution or matrix		

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD
Client Sample ID: GW-086241-092519-CM-6-22B
Project: Laguna Station 6
Collection Date: 9/25/2019 10:40:00 AM
Lab ID: 1909E60-016
Matrix: AQUEOUS
Received Date: 9/25/2019 2:45:00 PM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8260B: VOLATILES						Analyst: **DJF**	
1,2,3-Trichloropropane	ND	2.0		µg/L	1	9/28/2019 6:06:27 AM	A63291
Vinyl chloride	ND	1.0		µg/L	1	9/28/2019 6:06:27 AM	A63291
Xylenes, Total	ND	1.5		µg/L	1	9/28/2019 6:06:27 AM	A63291
Surr: 1,2-Dichloroethane-d4	105	70-130		%Rec	1	9/28/2019 6:06:27 AM	A63291
Surr: 4-Bromofluorobenzene	85.8	70-130		%Rec	1	9/28/2019 6:06:27 AM	A63291
Surr: Dibromofluoromethane	109	70-130		%Rec	1	9/28/2019 6:06:27 AM	A63291
Surr: Toluene-d8	105	70-130		%Rec	1	9/28/2019 6:06:27 AM	A63291

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 Limit
S	% Recovery outside of range due to dilution or matrix		

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD
Client Sample ID: GW-086241-092519-CM-6-22C
Project: Laguna Station 6
Collection Date: 9/25/2019 10:50:00 AM
Lab ID: 1909E60-017
Matrix: AQUEOUS
Received Date: 9/25/2019 2:45:00 PM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 9060 TOC						Analyst: **SMS**	
Total Organic Carbon	17	1.0		mg/L	1	10/5/2019 11:44:40 AM	A63487
EPA METHOD 300.0: ANIONS						Analyst: **CAS**	
Nitrogen, Nitrate (As N)	ND	0.50		mg/L	5	9/26/2019 7:04:11 PM	R63252
Sulfate	380	10	*	mg/L	20	9/26/2019 7:16:35 PM	R63252
EPA METHOD 8082A: PCB'S						Analyst: **TOM**	
Aroclor 1016	ND	25		µg/L	10	10/4/2019 3:06:32 PM	47821
Aroclor 1221	ND	25		µg/L	10	10/4/2019 3:06:32 PM	47821
Aroclor 1232	ND	25		µg/L	10	10/4/2019 3:06:32 PM	47821
Aroclor 1242	1400	25		µg/L	10	10/4/2019 3:06:32 PM	47821
Aroclor 1248	ND	25		µg/L	10	10/4/2019 3:06:32 PM	47821
Aroclor 1254	ND	25		µg/L	10	10/4/2019 3:06:32 PM	47821
Aroclor 1260	ND	25		µg/L	10	10/4/2019 3:06:32 PM	47821
Surr: Decachlorobiphenyl	0	24.8-102	S	%Rec	10	10/4/2019 3:06:32 PM	47821
Surr: Tetrachloro-m-xylene	0	15.6-106	S	%Rec	10	10/4/2019 3:06:32 PM	47821
EPA METHOD 8260B: VOLATILES						Analyst: **DJF**	
Benzene	3.9	1.0		µg/L	1	9/28/2019 6:35:29 AM	A63291
Toluene	1.5	1.0		µg/L	1	9/28/2019 6:35:29 AM	A63291
Ethylbenzene	6.3	1.0		µg/L	1	9/28/2019 6:35:29 AM	A63291
Methyl tert-butyl ether (MTBE)	ND	1.0		µg/L	1	9/28/2019 6:35:29 AM	A63291
1,2,4-Trimethylbenzene	18	1.0		µg/L	1	9/28/2019 6:35:29 AM	A63291
1,3,5-Trimethylbenzene	ND	1.0		µg/L	1	9/28/2019 6:35:29 AM	A63291
1,2-Dichloroethane (EDC)	ND	1.0		µg/L	1	9/28/2019 6:35:29 AM	A63291
1,2-Dibromoethane (EDB)	ND	1.0		µg/L	1	9/28/2019 6:35:29 AM	A63291
Naphthalene	5.8	2.0		µg/L	1	9/28/2019 6:35:29 AM	A63291
1-Methylnaphthalene	6.8	4.0		µg/L	1	9/28/2019 6:35:29 AM	A63291
2-Methylnaphthalene	8.1	4.0		µg/L	1	9/28/2019 6:35:29 AM	A63291
Acetone	ND	10		µg/L	1	9/28/2019 6:35:29 AM	A63291
Bromobenzene	ND	1.0		µg/L	1	9/28/2019 6:35:29 AM	A63291
Bromodichloromethane	ND	1.0		µg/L	1	9/28/2019 6:35:29 AM	A63291
Bromoform	ND	1.0		µg/L	1	9/28/2019 6:35:29 AM	A63291
Bromomethane	ND	3.0		µg/L	1	9/28/2019 6:35:29 AM	A63291
2-Butanone	ND	10		µg/L	1	9/28/2019 6:35:29 AM	A63291
Carbon disulfide	ND	10		µg/L	1	9/28/2019 6:35:29 AM	A63291
Carbon Tetrachloride	ND	1.0		µg/L	1	9/28/2019 6:35:29 AM	A63291
Chlorobenzene	ND	1.0		µg/L	1	9/28/2019 6:35:29 AM	A63291
Chloroethane	ND	2.0		µg/L	1	9/28/2019 6:35:29 AM	A63291
Chloroform	ND	1.0		µg/L	1	9/28/2019 6:35:29 AM	A63291
Chloromethane	ND	3.0		µg/L	1	9/28/2019 6:35:29 AM	A63291

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 Limit
S	% Recovery outside of range due to dilution or matrix		

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD
Client Sample ID: GW-086241-092519-CM-6-22C
Project: Laguna Station 6
Collection Date: 9/25/2019 10:50:00 AM
Lab ID: 1909E60-017
Matrix: AQUEOUS
Received Date: 9/25/2019 2:45:00 PM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8260B: VOLATILES						Analyst: **DJF**	
2-Chlorotoluene	ND	1.0		µg/L	1	9/28/2019 6:35:29 AM	A63291
4-Chlorotoluene	ND	1.0		µg/L	1	9/28/2019 6:35:29 AM	A63291
cis-1,2-DCE	ND	1.0		µg/L	1	9/28/2019 6:35:29 AM	A63291
cis-1,3-Dichloropropene	ND	1.0		µg/L	1	9/28/2019 6:35:29 AM	A63291
1,2-Dibromo-3-chloropropane	ND	2.0		µg/L	1	9/28/2019 6:35:29 AM	A63291
Dibromochloromethane	ND	1.0		µg/L	1	9/28/2019 6:35:29 AM	A63291
Dibromomethane	ND	1.0		µg/L	1	9/28/2019 6:35:29 AM	A63291
1,2-Dichlorobenzene	ND	1.0		µg/L	1	9/28/2019 6:35:29 AM	A63291
1,3-Dichlorobenzene	ND	1.0		µg/L	1	9/28/2019 6:35:29 AM	A63291
1,4-Dichlorobenzene	ND	1.0		µg/L	1	9/28/2019 6:35:29 AM	A63291
Dichlorodifluoromethane	ND	1.0		µg/L	1	9/28/2019 6:35:29 AM	A63291
1,1-Dichloroethane	33	1.0		µg/L	1	9/28/2019 6:35:29 AM	A63291
1,1-Dichloroethene	17	1.0		µg/L	1	9/28/2019 6:35:29 AM	A63291
1,2-Dichloropropane	ND	1.0		µg/L	1	9/28/2019 6:35:29 AM	A63291
1,3-Dichloropropane	ND	1.0		µg/L	1	9/28/2019 6:35:29 AM	A63291
2,2-Dichloropropane	ND	2.0		µg/L	1	9/28/2019 6:35:29 AM	A63291
1,1-Dichloropropene	ND	1.0		µg/L	1	9/28/2019 6:35:29 AM	A63291
Hexachlorobutadiene	ND	1.0		µg/L	1	9/28/2019 6:35:29 AM	A63291
2-Hexanone	ND	10		µg/L	1	9/28/2019 6:35:29 AM	A63291
Isopropylbenzene	1.7	1.0		µg/L	1	9/28/2019 6:35:29 AM	A63291
4-Isopropyltoluene	ND	1.0		µg/L	1	9/28/2019 6:35:29 AM	A63291
4-Methyl-2-pentanone	ND	10		µg/L	1	9/28/2019 6:35:29 AM	A63291
Methylene Chloride	ND	3.0		µg/L	1	9/28/2019 6:35:29 AM	A63291
n-Butylbenzene	ND	3.0		µg/L	1	9/28/2019 6:35:29 AM	A63291
n-Propylbenzene	2.7	1.0		µg/L	1	9/28/2019 6:35:29 AM	A63291
sec-Butylbenzene	ND	1.0		µg/L	1	9/28/2019 6:35:29 AM	A63291
Styrene	ND	1.0		µg/L	1	9/28/2019 6:35:29 AM	A63291
tert-Butylbenzene	ND	1.0		µg/L	1	9/28/2019 6:35:29 AM	A63291
1,1,1,2-Tetrachloroethane	ND	1.0		µg/L	1	9/28/2019 6:35:29 AM	A63291
1,1,2,2-Tetrachloroethane	ND	2.0		µg/L	1	9/28/2019 6:35:29 AM	A63291
Tetrachloroethene (PCE)	ND	1.0		µg/L	1	9/28/2019 6:35:29 AM	A63291
trans-1,2-DCE	ND	1.0		µg/L	1	9/28/2019 6:35:29 AM	A63291
trans-1,3-Dichloropropene	ND	1.0		µg/L	1	9/28/2019 6:35:29 AM	A63291
1,2,3-Trichlorobenzene	ND	1.0		µg/L	1	9/28/2019 6:35:29 AM	A63291
1,2,4-Trichlorobenzene	ND	1.0		µg/L	1	9/28/2019 6:35:29 AM	A63291
1,1,1-Trichloroethane	ND	1.0		µg/L	1	9/28/2019 6:35:29 AM	A63291
1,1,2-Trichloroethane	ND	1.0		µg/L	1	9/28/2019 6:35:29 AM	A63291
Trichloroethene (TCE)	ND	1.0		µg/L	1	9/28/2019 6:35:29 AM	A63291
Trichlorofluoromethane	ND	1.0		µg/L	1	9/28/2019 6:35:29 AM	A63291

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 Limit
S	% Recovery outside of range due to dilution or matrix		

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD
Client Sample ID: GW-086241-092519-CM-6-22C
Project: Laguna Station 6
Collection Date: 9/25/2019 10:50:00 AM
Lab ID: 1909E60-017
Matrix: AQUEOUS
Received Date: 9/25/2019 2:45:00 PM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8260B: VOLATILES						Analyst: **DJF**	
1,2,3-Trichloropropane	ND	2.0		µg/L	1	9/28/2019 6:35:29 AM	A63291
Vinyl chloride	1.1	1.0		µg/L	1	9/28/2019 6:35:29 AM	A63291
Xylenes, Total	25	1.5		µg/L	1	9/28/2019 6:35:29 AM	A63291
Surr: 1,2-Dichloroethane-d4	104	70-130		%Rec	1	9/28/2019 6:35:29 AM	A63291
Surr: 4-Bromofluorobenzene	87.2	70-130		%Rec	1	9/28/2019 6:35:29 AM	A63291
Surr: Dibromofluoromethane	105	70-130		%Rec	1	9/28/2019 6:35:29 AM	A63291
Surr: Toluene-d8	107	70-130		%Rec	1	9/28/2019 6:35:29 AM	A63291

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 Limit
S	% Recovery outside of range due to dilution or matrix		

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD
Client Sample ID: GW-086241-092519-CM-6-36
Project: Laguna Station 6
Collection Date: 9/25/2019 8:55:00 AM
Lab ID: 1909E60-018
Matrix: AQUEOUS
Received Date: 9/25/2019 2:45:00 PM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8260B: VOLATILES						Analyst: **DJF**	
Benzene	ND	1.0		µg/L	1	9/28/2019 7:04:24 AM	A63291
Toluene	ND	1.0		µg/L	1	9/28/2019 7:04:24 AM	A63291
Ethylbenzene	ND	1.0		µg/L	1	9/28/2019 7:04:24 AM	A63291
Methyl tert-butyl ether (MTBE)	ND	1.0		µg/L	1	9/28/2019 7:04:24 AM	A63291
1,2,4-Trimethylbenzene	ND	1.0		µg/L	1	9/28/2019 7:04:24 AM	A63291
1,3,5-Trimethylbenzene	ND	1.0		µg/L	1	9/28/2019 7:04:24 AM	A63291
1,2-Dichloroethane (EDC)	6.2	1.0		µg/L	1	9/28/2019 7:04:24 AM	A63291
1,2-Dibromoethane (EDB)	ND	1.0		µg/L	1	9/28/2019 7:04:24 AM	A63291
Naphthalene	ND	2.0		µg/L	1	9/28/2019 7:04:24 AM	A63291
1-Methylnaphthalene	ND	4.0		µg/L	1	9/28/2019 7:04:24 AM	A63291
2-Methylnaphthalene	ND	4.0		µg/L	1	9/28/2019 7:04:24 AM	A63291
Acetone	ND	10		µg/L	1	9/28/2019 7:04:24 AM	A63291
Bromobenzene	ND	1.0		µg/L	1	9/28/2019 7:04:24 AM	A63291
Bromodichloromethane	ND	1.0		µg/L	1	9/28/2019 7:04:24 AM	A63291
Bromoform	ND	1.0		µg/L	1	9/28/2019 7:04:24 AM	A63291
Bromomethane	ND	3.0		µg/L	1	9/28/2019 7:04:24 AM	A63291
2-Butanone	ND	10		µg/L	1	9/28/2019 7:04:24 AM	A63291
Carbon disulfide	ND	10		µg/L	1	9/28/2019 7:04:24 AM	A63291
Carbon Tetrachloride	ND	1.0		µg/L	1	9/28/2019 7:04:24 AM	A63291
Chlorobenzene	ND	1.0		µg/L	1	9/28/2019 7:04:24 AM	A63291
Chloroethane	ND	2.0		µg/L	1	9/28/2019 7:04:24 AM	A63291
Chloroform	ND	1.0		µg/L	1	9/28/2019 7:04:24 AM	A63291
Chloromethane	ND	3.0		µg/L	1	9/28/2019 7:04:24 AM	A63291
2-Chlorotoluene	ND	1.0		µg/L	1	9/28/2019 7:04:24 AM	A63291
4-Chlorotoluene	ND	1.0		µg/L	1	9/28/2019 7:04:24 AM	A63291
cis-1,2-DCE	ND	1.0		µg/L	1	9/28/2019 7:04:24 AM	A63291
cis-1,3-Dichloropropene	ND	1.0		µg/L	1	9/28/2019 7:04:24 AM	A63291
1,2-Dibromo-3-chloropropane	ND	2.0		µg/L	1	9/28/2019 7:04:24 AM	A63291
Dibromochloromethane	ND	1.0		µg/L	1	9/28/2019 7:04:24 AM	A63291
Dibromomethane	ND	1.0		µg/L	1	9/28/2019 7:04:24 AM	A63291
1,2-Dichlorobenzene	ND	1.0		µg/L	1	9/28/2019 7:04:24 AM	A63291
1,3-Dichlorobenzene	ND	1.0		µg/L	1	9/28/2019 7:04:24 AM	A63291
1,4-Dichlorobenzene	ND	1.0		µg/L	1	9/28/2019 7:04:24 AM	A63291
Dichlorodifluoromethane	ND	1.0		µg/L	1	9/28/2019 7:04:24 AM	A63291
1,1-Dichloroethane	15	1.0		µg/L	1	9/28/2019 7:04:24 AM	A63291
1,1-Dichloroethene	47	1.0		µg/L	1	9/28/2019 7:04:24 AM	A63291
1,2-Dichloropropane	ND	1.0		µg/L	1	9/28/2019 7:04:24 AM	A63291
1,3-Dichloropropane	ND	1.0		µg/L	1	9/28/2019 7:04:24 AM	A63291
2,2-Dichloropropane	ND	2.0		µg/L	1	9/28/2019 7:04:24 AM	A63291

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 Limit
S	% Recovery outside of range due to dilution or matrix		

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD
Client Sample ID: GW-086241-092519-CM-6-36
Project: Laguna Station 6
Collection Date: 9/25/2019 8:55:00 AM
Lab ID: 1909E60-018
Matrix: AQUEOUS
Received Date: 9/25/2019 2:45:00 PM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8260B: VOLATILES						Analyst: **DJF**	
1,1-Dichloropropene	ND	1.0		µg/L	1	9/28/2019 7:04:24 AM	A63291
Hexachlorobutadiene	ND	1.0		µg/L	1	9/28/2019 7:04:24 AM	A63291
2-Hexanone	ND	10		µg/L	1	9/28/2019 7:04:24 AM	A63291
Isopropylbenzene	ND	1.0		µg/L	1	9/28/2019 7:04:24 AM	A63291
4-Isopropyltoluene	ND	1.0		µg/L	1	9/28/2019 7:04:24 AM	A63291
4-Methyl-2-pentanone	ND	10		µg/L	1	9/28/2019 7:04:24 AM	A63291
Methylene Chloride	ND	3.0		µg/L	1	9/28/2019 7:04:24 AM	A63291
n-Butylbenzene	ND	3.0		µg/L	1	9/28/2019 7:04:24 AM	A63291
n-Propylbenzene	ND	1.0		µg/L	1	9/28/2019 7:04:24 AM	A63291
sec-Butylbenzene	ND	1.0		µg/L	1	9/28/2019 7:04:24 AM	A63291
Styrene	ND	1.0		µg/L	1	9/28/2019 7:04:24 AM	A63291
tert-Butylbenzene	ND	1.0		µg/L	1	9/28/2019 7:04:24 AM	A63291
1,1,1,2-Tetrachloroethane	ND	1.0		µg/L	1	9/28/2019 7:04:24 AM	A63291
1,1,2,2-Tetrachloroethane	ND	2.0		µg/L	1	9/28/2019 7:04:24 AM	A63291
Tetrachloroethene (PCE)	ND	1.0		µg/L	1	9/28/2019 7:04:24 AM	A63291
trans-1,2-DCE	ND	1.0		µg/L	1	9/28/2019 7:04:24 AM	A63291
trans-1,3-Dichloropropene	ND	1.0		µg/L	1	9/28/2019 7:04:24 AM	A63291
1,2,3-Trichlorobenzene	ND	1.0		µg/L	1	9/28/2019 7:04:24 AM	A63291
1,2,4-Trichlorobenzene	ND	1.0		µg/L	1	9/28/2019 7:04:24 AM	A63291
1,1,1-Trichloroethane	3.1	1.0		µg/L	1	9/28/2019 7:04:24 AM	A63291
1,1,2-Trichloroethane	ND	1.0		µg/L	1	9/28/2019 7:04:24 AM	A63291
Trichloroethene (TCE)	ND	1.0		µg/L	1	9/28/2019 7:04:24 AM	A63291
Trichlorofluoromethane	ND	1.0		µg/L	1	9/28/2019 7:04:24 AM	A63291
1,2,3-Trichloropropane	ND	2.0		µg/L	1	9/28/2019 7:04:24 AM	A63291
Vinyl chloride	ND	1.0		µg/L	1	9/28/2019 7:04:24 AM	A63291
Xylenes, Total	ND	1.5		µg/L	1	9/28/2019 7:04:24 AM	A63291
Surr: 1,2-Dichloroethane-d4	115	70-130		%Rec	1	9/28/2019 7:04:24 AM	A63291
Surr: 4-Bromofluorobenzene	85.4	70-130		%Rec	1	9/28/2019 7:04:24 AM	A63291
Surr: Dibromofluoromethane	113	70-130		%Rec	1	9/28/2019 7:04:24 AM	A63291
Surr: Toluene-d8	106	70-130		%Rec	1	9/28/2019 7:04:24 AM	A63291

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 Limit
S	% Recovery outside of range due to dilution or matrix		

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD
Client Sample ID: GW-086241-092519-CM-6-40
Project: Laguna Station 6
Collection Date: 9/25/2019 11:40:00 AM
Lab ID: 1909E60-019
Matrix: AQUEOUS
Received Date: 9/25/2019 2:45:00 PM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 9060 TOC						Analyst: **SMS**	
Total Organic Carbon	17	1.0		mg/L	1	10/5/2019 12:05:27 PM	A63487
EPA METHOD 300.0: ANIONS						Analyst: **CAS**	
Nitrogen, Nitrate (As N)	ND	0.50		mg/L	5	9/26/2019 7:28:59 PM	R63252
Sulfate	350	10	*	mg/L	20	9/26/2019 7:41:23 PM	R63252
EPA METHOD 8082A: PCB'S						Analyst: **TOM**	
Aroclor 1016	ND	0.25		µg/L	1	10/4/2019 3:39:32 PM	47821
Aroclor 1221	ND	0.25		µg/L	1	10/4/2019 3:39:32 PM	47821
Aroclor 1232	ND	0.25		µg/L	1	10/4/2019 3:39:32 PM	47821
Aroclor 1242	4.2	0.25		µg/L	1	10/4/2019 3:39:32 PM	47821
Aroclor 1248	ND	0.25		µg/L	1	10/4/2019 3:39:32 PM	47821
Aroclor 1254	ND	0.25		µg/L	1	10/4/2019 3:39:32 PM	47821
Aroclor 1260	ND	0.25		µg/L	1	10/4/2019 3:39:32 PM	47821
Surr: Decachlorobiphenyl	59.2	24.8-102		%Rec	1	10/4/2019 3:39:32 PM	47821
Surr: Tetrachloro-m-xylene	55.6	15.6-106		%Rec	1	10/4/2019 3:39:32 PM	47821
EPA METHOD 8260B: VOLATILES						Analyst: **DJF**	
Benzene	1.4	1.0		µg/L	1	9/28/2019 7:33:48 AM	A63291
Toluene	ND	1.0		µg/L	1	9/28/2019 7:33:48 AM	A63291
Ethylbenzene	ND	1.0		µg/L	1	9/28/2019 7:33:48 AM	A63291
Methyl tert-butyl ether (MTBE)	ND	1.0		µg/L	1	9/28/2019 7:33:48 AM	A63291
1,2,4-Trimethylbenzene	ND	1.0		µg/L	1	9/28/2019 7:33:48 AM	A63291
1,3,5-Trimethylbenzene	ND	1.0		µg/L	1	9/28/2019 7:33:48 AM	A63291
1,2-Dichloroethane (EDC)	ND	1.0		µg/L	1	9/28/2019 7:33:48 AM	A63291
1,2-Dibromoethane (EDB)	ND	1.0		µg/L	1	9/28/2019 7:33:48 AM	A63291
Naphthalene	ND	2.0		µg/L	1	9/28/2019 7:33:48 AM	A63291
1-Methylnaphthalene	ND	4.0		µg/L	1	9/28/2019 7:33:48 AM	A63291
2-Methylnaphthalene	ND	4.0		µg/L	1	9/28/2019 7:33:48 AM	A63291
Acetone	ND	10		µg/L	1	9/28/2019 7:33:48 AM	A63291
Bromobenzene	ND	1.0		µg/L	1	9/28/2019 7:33:48 AM	A63291
Bromodichloromethane	ND	1.0		µg/L	1	9/28/2019 7:33:48 AM	A63291
Bromoform	ND	1.0		µg/L	1	9/28/2019 7:33:48 AM	A63291
Bromomethane	ND	3.0		µg/L	1	9/28/2019 7:33:48 AM	A63291
2-Butanone	ND	10		µg/L	1	9/28/2019 7:33:48 AM	A63291
Carbon disulfide	ND	10		µg/L	1	9/28/2019 7:33:48 AM	A63291
Carbon Tetrachloride	ND	1.0		µg/L	1	9/28/2019 7:33:48 AM	A63291
Chlorobenzene	ND	1.0		µg/L	1	9/28/2019 7:33:48 AM	A63291
Chloroethane	ND	2.0		µg/L	1	9/28/2019 7:33:48 AM	A63291
Chloroform	ND	1.0		µg/L	1	9/28/2019 7:33:48 AM	A63291
Chloromethane	ND	3.0		µg/L	1	9/28/2019 7:33:48 AM	A63291

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 Limit
S	% Recovery outside of range due to dilution or matrix		

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD
Client Sample ID: GW-086241-092519-CM-6-40
Project: Laguna Station 6
Collection Date: 9/25/2019 11:40:00 AM
Lab ID: 1909E60-019
Matrix: AQUEOUS
Received Date: 9/25/2019 2:45:00 PM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8260B: VOLATILES						Analyst: **DJF**	
2-Chlorotoluene	ND	1.0		µg/L	1	9/28/2019 7:33:48 AM	A63291
4-Chlorotoluene	ND	1.0		µg/L	1	9/28/2019 7:33:48 AM	A63291
cis-1,2-DCE	ND	1.0		µg/L	1	9/28/2019 7:33:48 AM	A63291
cis-1,3-Dichloropropene	ND	1.0		µg/L	1	9/28/2019 7:33:48 AM	A63291
1,2-Dibromo-3-chloropropane	ND	2.0		µg/L	1	9/28/2019 7:33:48 AM	A63291
Dibromochloromethane	ND	1.0		µg/L	1	9/28/2019 7:33:48 AM	A63291
Dibromomethane	ND	1.0		µg/L	1	9/28/2019 7:33:48 AM	A63291
1,2-Dichlorobenzene	ND	1.0		µg/L	1	9/28/2019 7:33:48 AM	A63291
1,3-Dichlorobenzene	ND	1.0		µg/L	1	9/28/2019 7:33:48 AM	A63291
1,4-Dichlorobenzene	ND	1.0		µg/L	1	9/28/2019 7:33:48 AM	A63291
Dichlorodifluoromethane	ND	1.0		µg/L	1	9/28/2019 7:33:48 AM	A63291
1,1-Dichloroethane	54	1.0		µg/L	1	9/28/2019 7:33:48 AM	A63291
1,1-Dichloroethene	21	1.0		µg/L	1	9/28/2019 7:33:48 AM	A63291
1,2-Dichloropropane	ND	1.0		µg/L	1	9/28/2019 7:33:48 AM	A63291
1,3-Dichloropropane	ND	1.0		µg/L	1	9/28/2019 7:33:48 AM	A63291
2,2-Dichloropropane	ND	2.0		µg/L	1	9/28/2019 7:33:48 AM	A63291
1,1-Dichloropropene	ND	1.0		µg/L	1	9/28/2019 7:33:48 AM	A63291
Hexachlorobutadiene	ND	1.0		µg/L	1	9/28/2019 7:33:48 AM	A63291
2-Hexanone	ND	10		µg/L	1	9/28/2019 7:33:48 AM	A63291
Isopropylbenzene	ND	1.0		µg/L	1	9/28/2019 7:33:48 AM	A63291
4-Isopropyltoluene	ND	1.0		µg/L	1	9/28/2019 7:33:48 AM	A63291
4-Methyl-2-pentanone	ND	10		µg/L	1	9/28/2019 7:33:48 AM	A63291
Methylene Chloride	ND	3.0		µg/L	1	9/28/2019 7:33:48 AM	A63291
n-Butylbenzene	ND	3.0		µg/L	1	9/28/2019 7:33:48 AM	A63291
n-Propylbenzene	ND	1.0		µg/L	1	9/28/2019 7:33:48 AM	A63291
sec-Butylbenzene	ND	1.0		µg/L	1	9/28/2019 7:33:48 AM	A63291
Styrene	ND	1.0		µg/L	1	9/28/2019 7:33:48 AM	A63291
tert-Butylbenzene	ND	1.0		µg/L	1	9/28/2019 7:33:48 AM	A63291
1,1,1,2-Tetrachloroethane	ND	1.0		µg/L	1	9/28/2019 7:33:48 AM	A63291
1,1,2,2-Tetrachloroethane	ND	2.0		µg/L	1	9/28/2019 7:33:48 AM	A63291
Tetrachloroethene (PCE)	ND	1.0		µg/L	1	9/28/2019 7:33:48 AM	A63291
trans-1,2-DCE	ND	1.0		µg/L	1	9/28/2019 7:33:48 AM	A63291
trans-1,3-Dichloropropene	ND	1.0		µg/L	1	9/28/2019 7:33:48 AM	A63291
1,2,3-Trichlorobenzene	ND	1.0		µg/L	1	9/28/2019 7:33:48 AM	A63291
1,2,4-Trichlorobenzene	ND	1.0		µg/L	1	9/28/2019 7:33:48 AM	A63291
1,1,1-Trichloroethane	ND	1.0		µg/L	1	9/28/2019 7:33:48 AM	A63291
1,1,2-Trichloroethane	ND	1.0		µg/L	1	9/28/2019 7:33:48 AM	A63291
Trichloroethene (TCE)	ND	1.0		µg/L	1	9/28/2019 7:33:48 AM	A63291
Trichlorofluoromethane	ND	1.0		µg/L	1	9/28/2019 7:33:48 AM	A63291

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 Limit
S	% Recovery outside of range due to dilution or matrix		

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD
Client Sample ID: GW-086241-092519-CM-6-40
Project: Laguna Station 6
Collection Date: 9/25/2019 11:40:00 AM
Lab ID: 1909E60-019
Matrix: AQUEOUS
Received Date: 9/25/2019 2:45:00 PM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8260B: VOLATILES						Analyst: **DJF**	
1,2,3-Trichloropropane	ND	2.0		µg/L	1	9/28/2019 7:33:48 AM	A63291
Vinyl chloride	ND	1.0		µg/L	1	9/28/2019 7:33:48 AM	A63291
Xylenes, Total	ND	1.5		µg/L	1	9/28/2019 7:33:48 AM	A63291
Surr: 1,2-Dichloroethane-d4	106	70-130		%Rec	1	9/28/2019 7:33:48 AM	A63291
Surr: 4-Bromofluorobenzene	84.7	70-130		%Rec	1	9/28/2019 7:33:48 AM	A63291
Surr: Dibromofluoromethane	108	70-130		%Rec	1	9/28/2019 7:33:48 AM	A63291
Surr: Toluene-d8	108	70-130		%Rec	1	9/28/2019 7:33:48 AM	A63291

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 Limit
S	% Recovery outside of range due to dilution or matrix		

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD
Client Sample ID: GW-086241-092519-CM-6-41
Project: Laguna Station 6
Collection Date: 9/25/2019 12:50:00 PM
Lab ID: 1909E60-020
Matrix: AQUEOUS
Received Date: 9/25/2019 2:45:00 PM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8082A: PCB'S						Analyst: **TOM**	
Aroclor 1016	ND	0.25		µg/L	1	10/4/2019 4:12:31 PM	47821
Aroclor 1221	ND	0.25		µg/L	1	10/4/2019 4:12:31 PM	47821
Aroclor 1232	ND	0.25		µg/L	1	10/4/2019 4:12:31 PM	47821
Aroclor 1242	1.3	0.25		µg/L	1	10/4/2019 4:12:31 PM	47821
Aroclor 1248	ND	0.25		µg/L	1	10/4/2019 4:12:31 PM	47821
Aroclor 1254	ND	0.25		µg/L	1	10/4/2019 4:12:31 PM	47821
Aroclor 1260	ND	0.25		µg/L	1	10/4/2019 4:12:31 PM	47821
Surr: Decachlorobiphenyl	52.8	24.8-102		%Rec	1	10/4/2019 4:12:31 PM	47821
Surr: Tetrachloro-m-xylene	41.6	15.6-106		%Rec	1	10/4/2019 4:12:31 PM	47821
EPA METHOD 8260B: VOLATILES						Analyst: **DJF**	
Benzene	ND	1.0		µg/L	1	9/28/2019 8:03:15 AM	A63291
Toluene	ND	1.0		µg/L	1	9/28/2019 8:03:15 AM	A63291
Ethylbenzene	ND	1.0		µg/L	1	9/28/2019 8:03:15 AM	A63291
Methyl tert-butyl ether (MTBE)	ND	1.0		µg/L	1	9/28/2019 8:03:15 AM	A63291
1,2,4-Trimethylbenzene	ND	1.0		µg/L	1	9/28/2019 8:03:15 AM	A63291
1,3,5-Trimethylbenzene	ND	1.0		µg/L	1	9/28/2019 8:03:15 AM	A63291
1,2-Dichloroethane (EDC)	ND	1.0		µg/L	1	9/28/2019 8:03:15 AM	A63291
1,2-Dibromoethane (EDB)	ND	1.0		µg/L	1	9/28/2019 8:03:15 AM	A63291
Naphthalene	ND	2.0		µg/L	1	9/28/2019 8:03:15 AM	A63291
1-Methylnaphthalene	ND	4.0		µg/L	1	9/28/2019 8:03:15 AM	A63291
2-Methylnaphthalene	ND	4.0		µg/L	1	9/28/2019 8:03:15 AM	A63291
Acetone	ND	10		µg/L	1	9/28/2019 8:03:15 AM	A63291
Bromobenzene	ND	1.0		µg/L	1	9/28/2019 8:03:15 AM	A63291
Bromodichloromethane	ND	1.0		µg/L	1	9/28/2019 8:03:15 AM	A63291
Bromoform	ND	1.0		µg/L	1	9/28/2019 8:03:15 AM	A63291
Bromomethane	ND	3.0		µg/L	1	9/28/2019 8:03:15 AM	A63291
2-Butanone	ND	10		µg/L	1	9/28/2019 8:03:15 AM	A63291
Carbon disulfide	ND	10		µg/L	1	9/28/2019 8:03:15 AM	A63291
Carbon Tetrachloride	ND	1.0		µg/L	1	9/28/2019 8:03:15 AM	A63291
Chlorobenzene	ND	1.0		µg/L	1	9/28/2019 8:03:15 AM	A63291
Chloroethane	ND	2.0		µg/L	1	9/28/2019 8:03:15 AM	A63291
Chloroform	ND	1.0		µg/L	1	9/28/2019 8:03:15 AM	A63291
Chloromethane	ND	3.0		µg/L	1	9/28/2019 8:03:15 AM	A63291
2-Chlorotoluene	ND	1.0		µg/L	1	9/28/2019 8:03:15 AM	A63291
4-Chlorotoluene	ND	1.0		µg/L	1	9/28/2019 8:03:15 AM	A63291
cis-1,2-DCE	ND	1.0		µg/L	1	9/28/2019 8:03:15 AM	A63291
cis-1,3-Dichloropropene	ND	1.0		µg/L	1	9/28/2019 8:03:15 AM	A63291
1,2-Dibromo-3-chloropropane	ND	2.0		µg/L	1	9/28/2019 8:03:15 AM	A63291
Dibromochloromethane	ND	1.0		µg/L	1	9/28/2019 8:03:15 AM	A63291

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 Limit
S	% Recovery outside of range due to dilution or matrix		

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD
Client Sample ID: GW-086241-092519-CM-6-41
Project: Laguna Station 6
Collection Date: 9/25/2019 12:50:00 PM
Lab ID: 1909E60-020
Matrix: AQUEOUS
Received Date: 9/25/2019 2:45:00 PM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8260B: VOLATILES						Analyst: **DJF**	
Dibromomethane	ND	1.0		µg/L	1	9/28/2019 8:03:15 AM	A63291
1,2-Dichlorobenzene	ND	1.0		µg/L	1	9/28/2019 8:03:15 AM	A63291
1,3-Dichlorobenzene	ND	1.0		µg/L	1	9/28/2019 8:03:15 AM	A63291
1,4-Dichlorobenzene	ND	1.0		µg/L	1	9/28/2019 8:03:15 AM	A63291
Dichlorodifluoromethane	ND	1.0		µg/L	1	9/28/2019 8:03:15 AM	A63291
1,1-Dichloroethane	42	1.0		µg/L	1	9/28/2019 8:03:15 AM	A63291
1,1-Dichloroethene	11	1.0		µg/L	1	9/28/2019 8:03:15 AM	A63291
1,2-Dichloropropane	ND	1.0		µg/L	1	9/28/2019 8:03:15 AM	A63291
1,3-Dichloropropane	ND	1.0		µg/L	1	9/28/2019 8:03:15 AM	A63291
2,2-Dichloropropane	ND	2.0		µg/L	1	9/28/2019 8:03:15 AM	A63291
1,1-Dichloropropene	ND	1.0		µg/L	1	9/28/2019 8:03:15 AM	A63291
Hexachlorobutadiene	ND	1.0		µg/L	1	9/28/2019 8:03:15 AM	A63291
2-Hexanone	ND	10		µg/L	1	9/28/2019 8:03:15 AM	A63291
Isopropylbenzene	ND	1.0		µg/L	1	9/28/2019 8:03:15 AM	A63291
4-Isopropyltoluene	ND	1.0		µg/L	1	9/28/2019 8:03:15 AM	A63291
4-Methyl-2-pentanone	ND	10		µg/L	1	9/28/2019 8:03:15 AM	A63291
Methylene Chloride	ND	3.0		µg/L	1	9/28/2019 8:03:15 AM	A63291
n-Butylbenzene	ND	3.0		µg/L	1	9/28/2019 8:03:15 AM	A63291
n-Propylbenzene	ND	1.0		µg/L	1	9/28/2019 8:03:15 AM	A63291
sec-Butylbenzene	ND	1.0		µg/L	1	9/28/2019 8:03:15 AM	A63291
Styrene	ND	1.0		µg/L	1	9/28/2019 8:03:15 AM	A63291
tert-Butylbenzene	ND	1.0		µg/L	1	9/28/2019 8:03:15 AM	A63291
1,1,1,2-Tetrachloroethane	ND	1.0		µg/L	1	9/28/2019 8:03:15 AM	A63291
1,1,2,2-Tetrachloroethane	ND	2.0		µg/L	1	9/28/2019 8:03:15 AM	A63291
Tetrachloroethene (PCE)	ND	1.0		µg/L	1	9/28/2019 8:03:15 AM	A63291
trans-1,2-DCE	ND	1.0		µg/L	1	9/28/2019 8:03:15 AM	A63291
trans-1,3-Dichloropropene	ND	1.0		µg/L	1	9/28/2019 8:03:15 AM	A63291
1,2,3-Trichlorobenzene	ND	1.0		µg/L	1	9/28/2019 8:03:15 AM	A63291
1,2,4-Trichlorobenzene	ND	1.0		µg/L	1	9/28/2019 8:03:15 AM	A63291
1,1,1-Trichloroethane	ND	1.0		µg/L	1	9/28/2019 8:03:15 AM	A63291
1,1,2-Trichloroethane	ND	1.0		µg/L	1	9/28/2019 8:03:15 AM	A63291
Trichloroethene (TCE)	ND	1.0		µg/L	1	9/28/2019 8:03:15 AM	A63291
Trichlorofluoromethane	ND	1.0		µg/L	1	9/28/2019 8:03:15 AM	A63291
1,2,3-Trichloropropane	ND	2.0		µg/L	1	9/28/2019 8:03:15 AM	A63291
Vinyl chloride	ND	1.0		µg/L	1	9/28/2019 8:03:15 AM	A63291
Xylenes, Total	ND	1.5		µg/L	1	9/28/2019 8:03:15 AM	A63291
Surr: 1,2-Dichloroethane-d4	108	70-130		%Rec	1	9/28/2019 8:03:15 AM	A63291
Surr: 4-Bromofluorobenzene	84.3	70-130		%Rec	1	9/28/2019 8:03:15 AM	A63291
Surr: Dibromofluoromethane	110	70-130		%Rec	1	9/28/2019 8:03:15 AM	A63291

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 Limit
S	% Recovery outside of range due to dilution or matrix		

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD
Client Sample ID: GW-086241-092519-CM-6-41
Project: Laguna Station 6
Collection Date: 9/25/2019 12:50:00 PM
Lab ID: 1909E60-020
Matrix: AQUEOUS
Received Date: 9/25/2019 2:45:00 PM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8260B: VOLATILES						Analyst: **DJF**	
Surr: Toluene-d8	107	70-130		%Rec	1	9/28/2019 8:03:15 AM	A63291

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 Limit
S	% Recovery outside of range due to dilution or matrix		

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD
Client Sample ID: GW-086241-092519-CM-6-42
Project: Laguna Station 6
Collection Date: 9/25/2019 1:20:00 PM
Lab ID: 1909E60-021
Matrix: AQUEOUS
Received Date: 9/25/2019 2:45:00 PM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8260B: VOLATILES						Analyst: **DJF**	
Benzene	ND	1.0		µg/L	1	9/28/2019 8:32:43 AM	A63291
Toluene	ND	1.0		µg/L	1	9/28/2019 8:32:43 AM	A63291
Ethylbenzene	ND	1.0		µg/L	1	9/28/2019 8:32:43 AM	A63291
Methyl tert-butyl ether (MTBE)	ND	1.0		µg/L	1	9/28/2019 8:32:43 AM	A63291
1,2,4-Trimethylbenzene	ND	1.0		µg/L	1	9/28/2019 8:32:43 AM	A63291
1,3,5-Trimethylbenzene	ND	1.0		µg/L	1	9/28/2019 8:32:43 AM	A63291
1,2-Dichloroethane (EDC)	ND	1.0		µg/L	1	9/28/2019 8:32:43 AM	A63291
1,2-Dibromoethane (EDB)	ND	1.0		µg/L	1	9/28/2019 8:32:43 AM	A63291
Naphthalene	ND	2.0		µg/L	1	9/28/2019 8:32:43 AM	A63291
1-Methylnaphthalene	ND	4.0		µg/L	1	9/28/2019 8:32:43 AM	A63291
2-Methylnaphthalene	ND	4.0		µg/L	1	9/28/2019 8:32:43 AM	A63291
Acetone	ND	10		µg/L	1	9/28/2019 8:32:43 AM	A63291
Bromobenzene	ND	1.0		µg/L	1	9/28/2019 8:32:43 AM	A63291
Bromodichloromethane	ND	1.0		µg/L	1	9/28/2019 8:32:43 AM	A63291
Bromoform	ND	1.0		µg/L	1	9/28/2019 8:32:43 AM	A63291
Bromomethane	ND	3.0		µg/L	1	9/28/2019 8:32:43 AM	A63291
2-Butanone	ND	10		µg/L	1	9/28/2019 8:32:43 AM	A63291
Carbon disulfide	ND	10		µg/L	1	9/28/2019 8:32:43 AM	A63291
Carbon Tetrachloride	ND	1.0		µg/L	1	9/28/2019 8:32:43 AM	A63291
Chlorobenzene	ND	1.0		µg/L	1	9/28/2019 8:32:43 AM	A63291
Chloroethane	ND	2.0		µg/L	1	9/28/2019 8:32:43 AM	A63291
Chloroform	ND	1.0		µg/L	1	9/28/2019 8:32:43 AM	A63291
Chloromethane	ND	3.0		µg/L	1	9/28/2019 8:32:43 AM	A63291
2-Chlorotoluene	ND	1.0		µg/L	1	9/28/2019 8:32:43 AM	A63291
4-Chlorotoluene	ND	1.0		µg/L	1	9/28/2019 8:32:43 AM	A63291
cis-1,2-DCE	ND	1.0		µg/L	1	9/28/2019 8:32:43 AM	A63291
cis-1,3-Dichloropropene	ND	1.0		µg/L	1	9/28/2019 8:32:43 AM	A63291
1,2-Dibromo-3-chloropropane	ND	2.0		µg/L	1	9/28/2019 8:32:43 AM	A63291
Dibromochloromethane	ND	1.0		µg/L	1	9/28/2019 8:32:43 AM	A63291
Dibromomethane	ND	1.0		µg/L	1	9/28/2019 8:32:43 AM	A63291
1,2-Dichlorobenzene	ND	1.0		µg/L	1	9/28/2019 8:32:43 AM	A63291
1,3-Dichlorobenzene	ND	1.0		µg/L	1	9/28/2019 8:32:43 AM	A63291
1,4-Dichlorobenzene	ND	1.0		µg/L	1	9/28/2019 8:32:43 AM	A63291
Dichlorodifluoromethane	ND	1.0		µg/L	1	9/28/2019 8:32:43 AM	A63291
1,1-Dichloroethane	23	1.0		µg/L	1	9/28/2019 8:32:43 AM	A63291
1,1-Dichloroethene	5.4	1.0		µg/L	1	9/28/2019 8:32:43 AM	A63291
1,2-Dichloropropane	ND	1.0		µg/L	1	9/28/2019 8:32:43 AM	A63291
1,3-Dichloropropane	ND	1.0		µg/L	1	9/28/2019 8:32:43 AM	A63291
2,2-Dichloropropane	ND	2.0		µg/L	1	9/28/2019 8:32:43 AM	A63291

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 Limit
S	% Recovery outside of range due to dilution or matrix		

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD
Client Sample ID: GW-086241-092519-CM-6-42
Project: Laguna Station 6
Collection Date: 9/25/2019 1:20:00 PM
Lab ID: 1909E60-021
Matrix: AQUEOUS
Received Date: 9/25/2019 2:45:00 PM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8260B: VOLATILES						Analyst: **DJF**	
1,1-Dichloropropene	ND	1.0		µg/L	1	9/28/2019 8:32:43 AM	A63291
Hexachlorobutadiene	ND	1.0		µg/L	1	9/28/2019 8:32:43 AM	A63291
2-Hexanone	ND	10		µg/L	1	9/28/2019 8:32:43 AM	A63291
Isopropylbenzene	ND	1.0		µg/L	1	9/28/2019 8:32:43 AM	A63291
4-Isopropyltoluene	ND	1.0		µg/L	1	9/28/2019 8:32:43 AM	A63291
4-Methyl-2-pentanone	ND	10		µg/L	1	9/28/2019 8:32:43 AM	A63291
Methylene Chloride	ND	3.0		µg/L	1	9/28/2019 8:32:43 AM	A63291
n-Butylbenzene	ND	3.0		µg/L	1	9/28/2019 8:32:43 AM	A63291
n-Propylbenzene	ND	1.0		µg/L	1	9/28/2019 8:32:43 AM	A63291
sec-Butylbenzene	ND	1.0		µg/L	1	9/28/2019 8:32:43 AM	A63291
Styrene	ND	1.0		µg/L	1	9/28/2019 8:32:43 AM	A63291
tert-Butylbenzene	ND	1.0		µg/L	1	9/28/2019 8:32:43 AM	A63291
1,1,1,2-Tetrachloroethane	ND	1.0		µg/L	1	9/28/2019 8:32:43 AM	A63291
1,1,2,2-Tetrachloroethane	ND	2.0		µg/L	1	9/28/2019 8:32:43 AM	A63291
Tetrachloroethene (PCE)	ND	1.0		µg/L	1	9/28/2019 8:32:43 AM	A63291
trans-1,2-DCE	ND	1.0		µg/L	1	9/28/2019 8:32:43 AM	A63291
trans-1,3-Dichloropropene	ND	1.0		µg/L	1	9/28/2019 8:32:43 AM	A63291
1,2,3-Trichlorobenzene	ND	1.0		µg/L	1	9/28/2019 8:32:43 AM	A63291
1,2,4-Trichlorobenzene	ND	1.0		µg/L	1	9/28/2019 8:32:43 AM	A63291
1,1,1-Trichloroethane	ND	1.0		µg/L	1	9/28/2019 8:32:43 AM	A63291
1,1,2-Trichloroethane	ND	1.0		µg/L	1	9/28/2019 8:32:43 AM	A63291
Trichloroethene (TCE)	ND	1.0		µg/L	1	9/28/2019 8:32:43 AM	A63291
Trichlorofluoromethane	ND	1.0		µg/L	1	9/28/2019 8:32:43 AM	A63291
1,2,3-Trichloropropane	ND	2.0		µg/L	1	9/28/2019 8:32:43 AM	A63291
Vinyl chloride	ND	1.0		µg/L	1	9/28/2019 8:32:43 AM	A63291
Xylenes, Total	ND	1.5		µg/L	1	9/28/2019 8:32:43 AM	A63291
Surr: 1,2-Dichloroethane-d4	112	70-130		%Rec	1	9/28/2019 8:32:43 AM	A63291
Surr: 4-Bromofluorobenzene	86.5	70-130		%Rec	1	9/28/2019 8:32:43 AM	A63291
Surr: Dibromofluoromethane	115	70-130		%Rec	1	9/28/2019 8:32:43 AM	A63291
Surr: Toluene-d8	106	70-130		%Rec	1	9/28/2019 8:32:43 AM	A63291

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 Limit
S	% Recovery outside of range due to dilution or matrix		

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD
Client Sample ID: GW-086241-092519-CM-6-44
Project: Laguna Station 6
Collection Date: 9/25/2019 9:00:00 AM
Lab ID: 1909E60-022
Matrix: AQUEOUS
Received Date: 9/25/2019 2:45:00 PM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8260B: VOLATILES						Analyst: **DJF**	
Benzene	ND	2.0		µg/L	2	9/28/2019 9:01:58 AM	A63291
Toluene	ND	2.0		µg/L	2	9/28/2019 9:01:58 AM	A63291
Ethylbenzene	ND	2.0		µg/L	2	9/28/2019 9:01:58 AM	A63291
Methyl tert-butyl ether (MTBE)	ND	2.0		µg/L	2	9/28/2019 9:01:58 AM	A63291
1,2,4-Trimethylbenzene	ND	2.0		µg/L	2	9/28/2019 9:01:58 AM	A63291
1,3,5-Trimethylbenzene	ND	2.0		µg/L	2	9/28/2019 9:01:58 AM	A63291
1,2-Dichloroethane (EDC)	8.9	2.0		µg/L	2	9/28/2019 9:01:58 AM	A63291
1,2-Dibromoethane (EDB)	ND	2.0		µg/L	2	9/28/2019 9:01:58 AM	A63291
Naphthalene	ND	4.0		µg/L	2	9/28/2019 9:01:58 AM	A63291
1-Methylnaphthalene	ND	8.0		µg/L	2	9/28/2019 9:01:58 AM	A63291
2-Methylnaphthalene	ND	8.0		µg/L	2	9/28/2019 9:01:58 AM	A63291
Acetone	ND	20		µg/L	2	9/28/2019 9:01:58 AM	A63291
Bromobenzene	ND	2.0		µg/L	2	9/28/2019 9:01:58 AM	A63291
Bromodichloromethane	ND	2.0		µg/L	2	9/28/2019 9:01:58 AM	A63291
Bromoform	ND	2.0		µg/L	2	9/28/2019 9:01:58 AM	A63291
Bromomethane	ND	6.0		µg/L	2	9/28/2019 9:01:58 AM	A63291
2-Butanone	ND	20		µg/L	2	9/28/2019 9:01:58 AM	A63291
Carbon disulfide	ND	20		µg/L	2	9/28/2019 9:01:58 AM	A63291
Carbon Tetrachloride	ND	2.0		µg/L	2	9/28/2019 9:01:58 AM	A63291
Chlorobenzene	ND	2.0		µg/L	2	9/28/2019 9:01:58 AM	A63291
Chloroethane	ND	4.0		µg/L	2	9/28/2019 9:01:58 AM	A63291
Chloroform	ND	2.0		µg/L	2	9/28/2019 9:01:58 AM	A63291
Chloromethane	ND	6.0		µg/L	2	9/28/2019 9:01:58 AM	A63291
2-Chlorotoluene	ND	2.0		µg/L	2	9/28/2019 9:01:58 AM	A63291
4-Chlorotoluene	ND	2.0		µg/L	2	9/28/2019 9:01:58 AM	A63291
cis-1,2-DCE	ND	2.0		µg/L	2	9/28/2019 9:01:58 AM	A63291
cis-1,3-Dichloropropene	ND	2.0		µg/L	2	9/28/2019 9:01:58 AM	A63291
1,2-Dibromo-3-chloropropane	ND	4.0		µg/L	2	9/28/2019 9:01:58 AM	A63291
Dibromochloromethane	ND	2.0		µg/L	2	9/28/2019 9:01:58 AM	A63291
Dibromomethane	ND	2.0		µg/L	2	9/28/2019 9:01:58 AM	A63291
1,2-Dichlorobenzene	ND	2.0		µg/L	2	9/28/2019 9:01:58 AM	A63291
1,3-Dichlorobenzene	ND	2.0		µg/L	2	9/28/2019 9:01:58 AM	A63291
1,4-Dichlorobenzene	ND	2.0		µg/L	2	9/28/2019 9:01:58 AM	A63291
Dichlorodifluoromethane	ND	2.0		µg/L	2	9/28/2019 9:01:58 AM	A63291
1,1-Dichloroethane	15	2.0		µg/L	2	9/28/2019 9:01:58 AM	A63291
1,1-Dichloroethene	180	2.0		µg/L	2	9/28/2019 9:01:58 AM	A63291
1,2-Dichloropropane	ND	2.0		µg/L	2	9/28/2019 9:01:58 AM	A63291
1,3-Dichloropropane	ND	2.0		µg/L	2	9/28/2019 9:01:58 AM	A63291
2,2-Dichloropropane	ND	4.0		µg/L	2	9/28/2019 9:01:58 AM	A63291

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 Limit
S	% Recovery outside of range due to dilution or matrix		

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD
Client Sample ID: GW-086241-092519-CM-6-44
Project: Laguna Station 6
Collection Date: 9/25/2019 9:00:00 AM
Lab ID: 1909E60-022
Matrix: AQUEOUS
Received Date: 9/25/2019 2:45:00 PM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8260B: VOLATILES						Analyst: **DJF**	
1,1-Dichloropropene	ND	2.0		µg/L	2	9/28/2019 9:01:58 AM	A63291
Hexachlorobutadiene	ND	2.0		µg/L	2	9/28/2019 9:01:58 AM	A63291
2-Hexanone	ND	20		µg/L	2	9/28/2019 9:01:58 AM	A63291
Isopropylbenzene	ND	2.0		µg/L	2	9/28/2019 9:01:58 AM	A63291
4-Isopropyltoluene	ND	2.0		µg/L	2	9/28/2019 9:01:58 AM	A63291
4-Methyl-2-pentanone	ND	20		µg/L	2	9/28/2019 9:01:58 AM	A63291
Methylene Chloride	ND	6.0		µg/L	2	9/28/2019 9:01:58 AM	A63291
n-Butylbenzene	ND	6.0		µg/L	2	9/28/2019 9:01:58 AM	A63291
n-Propylbenzene	ND	2.0		µg/L	2	9/28/2019 9:01:58 AM	A63291
sec-Butylbenzene	ND	2.0		µg/L	2	9/28/2019 9:01:58 AM	A63291
Styrene	ND	2.0		µg/L	2	9/28/2019 9:01:58 AM	A63291
tert-Butylbenzene	ND	2.0		µg/L	2	9/28/2019 9:01:58 AM	A63291
1,1,1,2-Tetrachloroethane	ND	2.0		µg/L	2	9/28/2019 9:01:58 AM	A63291
1,1,2,2-Tetrachloroethane	ND	4.0		µg/L	2	9/28/2019 9:01:58 AM	A63291
Tetrachloroethene (PCE)	ND	2.0		µg/L	2	9/28/2019 9:01:58 AM	A63291
trans-1,2-DCE	ND	2.0		µg/L	2	9/28/2019 9:01:58 AM	A63291
trans-1,3-Dichloropropene	ND	2.0		µg/L	2	9/28/2019 9:01:58 AM	A63291
1,2,3-Trichlorobenzene	ND	2.0		µg/L	2	9/28/2019 9:01:58 AM	A63291
1,2,4-Trichlorobenzene	ND	2.0		µg/L	2	9/28/2019 9:01:58 AM	A63291
1,1,1-Trichloroethane	15	2.0		µg/L	2	9/28/2019 9:01:58 AM	A63291
1,1,2-Trichloroethane	ND	2.0		µg/L	2	9/28/2019 9:01:58 AM	A63291
Trichloroethene (TCE)	ND	2.0		µg/L	2	9/28/2019 9:01:58 AM	A63291
Trichlorofluoromethane	ND	2.0		µg/L	2	9/28/2019 9:01:58 AM	A63291
1,2,3-Trichloropropane	ND	4.0		µg/L	2	9/28/2019 9:01:58 AM	A63291
Vinyl chloride	ND	2.0		µg/L	2	9/28/2019 9:01:58 AM	A63291
Xylenes, Total	ND	3.0		µg/L	2	9/28/2019 9:01:58 AM	A63291
Surr: 1,2-Dichloroethane-d4	110	70-130		%Rec	2	9/28/2019 9:01:58 AM	A63291
Surr: 4-Bromofluorobenzene	85.1	70-130		%Rec	2	9/28/2019 9:01:58 AM	A63291
Surr: Dibromofluoromethane	112	70-130		%Rec	2	9/28/2019 9:01:58 AM	A63291
Surr: Toluene-d8	105	70-130		%Rec	2	9/28/2019 9:01:58 AM	A63291

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 Limit
S	% Recovery outside of range due to dilution or matrix		

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD
Client Sample ID: GW-086241-092419-CM-6-45
Project: Laguna Station 6
Collection Date: 9/24/2019 1:45:00 PM
Lab ID: 1909E60-023
Matrix: AQUEOUS
Received Date: 9/25/2019 2:45:00 PM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8260B: VOLATILES						Analyst: **DJF**	
Benzene	ND	2.0		µg/L	2	9/28/2019 9:30:58 AM	A63291
Toluene	ND	2.0		µg/L	2	9/28/2019 9:30:58 AM	A63291
Ethylbenzene	ND	2.0		µg/L	2	9/28/2019 9:30:58 AM	A63291
Methyl tert-butyl ether (MTBE)	ND	2.0		µg/L	2	9/28/2019 9:30:58 AM	A63291
1,2,4-Trimethylbenzene	ND	2.0		µg/L	2	9/28/2019 9:30:58 AM	A63291
1,3,5-Trimethylbenzene	ND	2.0		µg/L	2	9/28/2019 9:30:58 AM	A63291
1,2-Dichloroethane (EDC)	ND	2.0		µg/L	2	9/28/2019 9:30:58 AM	A63291
1,2-Dibromoethane (EDB)	ND	2.0		µg/L	2	9/28/2019 9:30:58 AM	A63291
Naphthalene	ND	4.0		µg/L	2	9/28/2019 9:30:58 AM	A63291
1-Methylnaphthalene	ND	8.0		µg/L	2	9/28/2019 9:30:58 AM	A63291
2-Methylnaphthalene	ND	8.0		µg/L	2	9/28/2019 9:30:58 AM	A63291
Acetone	ND	20		µg/L	2	9/28/2019 9:30:58 AM	A63291
Bromobenzene	ND	2.0		µg/L	2	9/28/2019 9:30:58 AM	A63291
Bromodichloromethane	ND	2.0		µg/L	2	9/28/2019 9:30:58 AM	A63291
Bromoform	ND	2.0		µg/L	2	9/28/2019 9:30:58 AM	A63291
Bromomethane	ND	6.0		µg/L	2	9/28/2019 9:30:58 AM	A63291
2-Butanone	ND	20		µg/L	2	9/28/2019 9:30:58 AM	A63291
Carbon disulfide	ND	20		µg/L	2	9/28/2019 9:30:58 AM	A63291
Carbon Tetrachloride	ND	2.0		µg/L	2	9/28/2019 9:30:58 AM	A63291
Chlorobenzene	ND	2.0		µg/L	2	9/28/2019 9:30:58 AM	A63291
Chloroethane	ND	4.0		µg/L	2	9/28/2019 9:30:58 AM	A63291
Chloroform	ND	2.0		µg/L	2	9/28/2019 9:30:58 AM	A63291
Chloromethane	ND	6.0		µg/L	2	9/28/2019 9:30:58 AM	A63291
2-Chlorotoluene	ND	2.0		µg/L	2	9/28/2019 9:30:58 AM	A63291
4-Chlorotoluene	ND	2.0		µg/L	2	9/28/2019 9:30:58 AM	A63291
cis-1,2-DCE	ND	2.0		µg/L	2	9/28/2019 9:30:58 AM	A63291
cis-1,3-Dichloropropene	ND	2.0		µg/L	2	9/28/2019 9:30:58 AM	A63291
1,2-Dibromo-3-chloropropane	ND	4.0		µg/L	2	9/28/2019 9:30:58 AM	A63291
Dibromochloromethane	ND	2.0		µg/L	2	9/28/2019 9:30:58 AM	A63291
Dibromomethane	ND	2.0		µg/L	2	9/28/2019 9:30:58 AM	A63291
1,2-Dichlorobenzene	ND	2.0		µg/L	2	9/28/2019 9:30:58 AM	A63291
1,3-Dichlorobenzene	ND	2.0		µg/L	2	9/28/2019 9:30:58 AM	A63291
1,4-Dichlorobenzene	ND	2.0		µg/L	2	9/28/2019 9:30:58 AM	A63291
Dichlorodifluoromethane	ND	2.0		µg/L	2	9/28/2019 9:30:58 AM	A63291
1,1-Dichloroethane	18	2.0		µg/L	2	9/28/2019 9:30:58 AM	A63291
1,1-Dichloroethene	80	2.0		µg/L	2	9/28/2019 9:30:58 AM	A63291
1,2-Dichloropropane	ND	2.0		µg/L	2	9/28/2019 9:30:58 AM	A63291
1,3-Dichloropropane	ND	2.0		µg/L	2	9/28/2019 9:30:58 AM	A63291
2,2-Dichloropropane	ND	4.0		µg/L	2	9/28/2019 9:30:58 AM	A63291

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 Limit
S	% Recovery outside of range due to dilution or matrix		

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD
Client Sample ID: GW-086241-092419-CM-6-45
Project: Laguna Station 6
Collection Date: 9/24/2019 1:45:00 PM
Lab ID: 1909E60-023
Matrix: AQUEOUS
Received Date: 9/25/2019 2:45:00 PM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8260B: VOLATILES						Analyst: **DJF**	
1,1-Dichloropropene	ND	2.0		µg/L	2	9/28/2019 9:30:58 AM	A63291
Hexachlorobutadiene	ND	2.0		µg/L	2	9/28/2019 9:30:58 AM	A63291
2-Hexanone	ND	20		µg/L	2	9/28/2019 9:30:58 AM	A63291
Isopropylbenzene	ND	2.0		µg/L	2	9/28/2019 9:30:58 AM	A63291
4-Isopropyltoluene	ND	2.0		µg/L	2	9/28/2019 9:30:58 AM	A63291
4-Methyl-2-pentanone	ND	20		µg/L	2	9/28/2019 9:30:58 AM	A63291
Methylene Chloride	ND	6.0		µg/L	2	9/28/2019 9:30:58 AM	A63291
n-Butylbenzene	ND	6.0		µg/L	2	9/28/2019 9:30:58 AM	A63291
n-Propylbenzene	ND	2.0		µg/L	2	9/28/2019 9:30:58 AM	A63291
sec-Butylbenzene	ND	2.0		µg/L	2	9/28/2019 9:30:58 AM	A63291
Styrene	ND	2.0		µg/L	2	9/28/2019 9:30:58 AM	A63291
tert-Butylbenzene	ND	2.0		µg/L	2	9/28/2019 9:30:58 AM	A63291
1,1,1,2-Tetrachloroethane	ND	2.0		µg/L	2	9/28/2019 9:30:58 AM	A63291
1,1,2,2-Tetrachloroethane	ND	4.0		µg/L	2	9/28/2019 9:30:58 AM	A63291
Tetrachloroethene (PCE)	ND	2.0		µg/L	2	9/28/2019 9:30:58 AM	A63291
trans-1,2-DCE	ND	2.0		µg/L	2	9/28/2019 9:30:58 AM	A63291
trans-1,3-Dichloropropene	ND	2.0		µg/L	2	9/28/2019 9:30:58 AM	A63291
1,2,3-Trichlorobenzene	ND	2.0		µg/L	2	9/28/2019 9:30:58 AM	A63291
1,2,4-Trichlorobenzene	ND	2.0		µg/L	2	9/28/2019 9:30:58 AM	A63291
1,1,1-Trichloroethane	2.2	2.0		µg/L	2	9/28/2019 9:30:58 AM	A63291
1,1,2-Trichloroethane	ND	2.0		µg/L	2	9/28/2019 9:30:58 AM	A63291
Trichloroethene (TCE)	ND	2.0		µg/L	2	9/28/2019 9:30:58 AM	A63291
Trichlorofluoromethane	ND	2.0		µg/L	2	9/28/2019 9:30:58 AM	A63291
1,2,3-Trichloropropane	ND	4.0		µg/L	2	9/28/2019 9:30:58 AM	A63291
Vinyl chloride	ND	2.0		µg/L	2	9/28/2019 9:30:58 AM	A63291
Xylenes, Total	ND	3.0		µg/L	2	9/28/2019 9:30:58 AM	A63291
Surr: 1,2-Dichloroethane-d4	113	70-130		%Rec	2	9/28/2019 9:30:58 AM	A63291
Surr: 4-Bromofluorobenzene	87.7	70-130		%Rec	2	9/28/2019 9:30:58 AM	A63291
Surr: Dibromofluoromethane	112	70-130		%Rec	2	9/28/2019 9:30:58 AM	A63291
Surr: Toluene-d8	108	70-130		%Rec	2	9/28/2019 9:30:58 AM	A63291

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 Limit
S	% Recovery outside of range due to dilution or matrix		

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD
Client Sample ID: GW-086241-092419-CM-6-46
Project: Laguna Station 6
Collection Date: 9/24/2019 1:35:00 PM
Lab ID: 1909E60-024
Matrix: AQUEOUS
Received Date: 9/25/2019 2:45:00 PM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8260B: VOLATILES						Analyst: **DJF**	
Benzene	ND	2.0		µg/L	2	9/28/2019 10:00:16 AM	A63291
Toluene	ND	2.0		µg/L	2	9/28/2019 10:00:16 AM	A63291
Ethylbenzene	ND	2.0		µg/L	2	9/28/2019 10:00:16 AM	A63291
Methyl tert-butyl ether (MTBE)	ND	2.0		µg/L	2	9/28/2019 10:00:16 AM	A63291
1,2,4-Trimethylbenzene	ND	2.0		µg/L	2	9/28/2019 10:00:16 AM	A63291
1,3,5-Trimethylbenzene	ND	2.0		µg/L	2	9/28/2019 10:00:16 AM	A63291
1,2-Dichloroethane (EDC)	ND	2.0		µg/L	2	9/28/2019 10:00:16 AM	A63291
1,2-Dibromoethane (EDB)	ND	2.0		µg/L	2	9/28/2019 10:00:16 AM	A63291
Naphthalene	ND	4.0		µg/L	2	9/28/2019 10:00:16 AM	A63291
1-Methylnaphthalene	ND	8.0		µg/L	2	9/28/2019 10:00:16 AM	A63291
2-Methylnaphthalene	ND	8.0		µg/L	2	9/28/2019 10:00:16 AM	A63291
Acetone	ND	20		µg/L	2	9/28/2019 10:00:16 AM	A63291
Bromobenzene	ND	2.0		µg/L	2	9/28/2019 10:00:16 AM	A63291
Bromodichloromethane	ND	2.0		µg/L	2	9/28/2019 10:00:16 AM	A63291
Bromoform	ND	2.0		µg/L	2	9/28/2019 10:00:16 AM	A63291
Bromomethane	ND	6.0		µg/L	2	9/28/2019 10:00:16 AM	A63291
2-Butanone	ND	20		µg/L	2	9/28/2019 10:00:16 AM	A63291
Carbon disulfide	ND	20		µg/L	2	9/28/2019 10:00:16 AM	A63291
Carbon Tetrachloride	ND	2.0		µg/L	2	9/28/2019 10:00:16 AM	A63291
Chlorobenzene	ND	2.0		µg/L	2	9/28/2019 10:00:16 AM	A63291
Chloroethane	ND	4.0		µg/L	2	9/28/2019 10:00:16 AM	A63291
Chloroform	ND	2.0		µg/L	2	9/28/2019 10:00:16 AM	A63291
Chloromethane	ND	6.0		µg/L	2	9/28/2019 10:00:16 AM	A63291
2-Chlorotoluene	ND	2.0		µg/L	2	9/28/2019 10:00:16 AM	A63291
4-Chlorotoluene	ND	2.0		µg/L	2	9/28/2019 10:00:16 AM	A63291
cis-1,2-DCE	ND	2.0		µg/L	2	9/28/2019 10:00:16 AM	A63291
cis-1,3-Dichloropropene	ND	2.0		µg/L	2	9/28/2019 10:00:16 AM	A63291
1,2-Dibromo-3-chloropropane	ND	4.0		µg/L	2	9/28/2019 10:00:16 AM	A63291
Dibromochloromethane	ND	2.0		µg/L	2	9/28/2019 10:00:16 AM	A63291
Dibromomethane	ND	2.0		µg/L	2	9/28/2019 10:00:16 AM	A63291
1,2-Dichlorobenzene	ND	2.0		µg/L	2	9/28/2019 10:00:16 AM	A63291
1,3-Dichlorobenzene	ND	2.0		µg/L	2	9/28/2019 10:00:16 AM	A63291
1,4-Dichlorobenzene	ND	2.0		µg/L	2	9/28/2019 10:00:16 AM	A63291
Dichlorodifluoromethane	ND	2.0		µg/L	2	9/28/2019 10:00:16 AM	A63291
1,1-Dichloroethane	75	2.0		µg/L	2	9/28/2019 10:00:16 AM	A63291
1,1-Dichloroethene	13	2.0		µg/L	2	9/28/2019 10:00:16 AM	A63291
1,2-Dichloropropane	ND	2.0		µg/L	2	9/28/2019 10:00:16 AM	A63291
1,3-Dichloropropane	ND	2.0		µg/L	2	9/28/2019 10:00:16 AM	A63291
2,2-Dichloropropane	ND	4.0		µg/L	2	9/28/2019 10:00:16 AM	A63291

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 Limit
S	% Recovery outside of range due to dilution or matrix		

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD
Client Sample ID: GW-086241-092419-CM-6-46
Project: Laguna Station 6
Collection Date: 9/24/2019 1:35:00 PM
Lab ID: 1909E60-024
Matrix: AQUEOUS
Received Date: 9/25/2019 2:45:00 PM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8260B: VOLATILES						Analyst: **DJF**	
1,1-Dichloropropene	ND	2.0		µg/L	2	9/28/2019 10:00:16 AM	A63291
Hexachlorobutadiene	ND	2.0		µg/L	2	9/28/2019 10:00:16 AM	A63291
2-Hexanone	ND	20		µg/L	2	9/28/2019 10:00:16 AM	A63291
Isopropylbenzene	ND	2.0		µg/L	2	9/28/2019 10:00:16 AM	A63291
4-Isopropyltoluene	ND	2.0		µg/L	2	9/28/2019 10:00:16 AM	A63291
4-Methyl-2-pentanone	ND	20		µg/L	2	9/28/2019 10:00:16 AM	A63291
Methylene Chloride	ND	6.0		µg/L	2	9/28/2019 10:00:16 AM	A63291
n-Butylbenzene	ND	6.0		µg/L	2	9/28/2019 10:00:16 AM	A63291
n-Propylbenzene	ND	2.0		µg/L	2	9/28/2019 10:00:16 AM	A63291
sec-Butylbenzene	ND	2.0		µg/L	2	9/28/2019 10:00:16 AM	A63291
Styrene	ND	2.0		µg/L	2	9/28/2019 10:00:16 AM	A63291
tert-Butylbenzene	ND	2.0		µg/L	2	9/28/2019 10:00:16 AM	A63291
1,1,1,2-Tetrachloroethane	ND	2.0		µg/L	2	9/28/2019 10:00:16 AM	A63291
1,1,2,2-Tetrachloroethane	ND	4.0		µg/L	2	9/28/2019 10:00:16 AM	A63291
Tetrachloroethene (PCE)	ND	2.0		µg/L	2	9/28/2019 10:00:16 AM	A63291
trans-1,2-DCE	ND	2.0		µg/L	2	9/28/2019 10:00:16 AM	A63291
trans-1,3-Dichloropropene	ND	2.0		µg/L	2	9/28/2019 10:00:16 AM	A63291
1,2,3-Trichlorobenzene	ND	2.0		µg/L	2	9/28/2019 10:00:16 AM	A63291
1,2,4-Trichlorobenzene	ND	2.0		µg/L	2	9/28/2019 10:00:16 AM	A63291
1,1,1-Trichloroethane	ND	2.0		µg/L	2	9/28/2019 10:00:16 AM	A63291
1,1,2-Trichloroethane	ND	2.0		µg/L	2	9/28/2019 10:00:16 AM	A63291
Trichloroethene (TCE)	ND	2.0		µg/L	2	9/28/2019 10:00:16 AM	A63291
Trichlorofluoromethane	ND	2.0		µg/L	2	9/28/2019 10:00:16 AM	A63291
1,2,3-Trichloropropane	ND	4.0		µg/L	2	9/28/2019 10:00:16 AM	A63291
Vinyl chloride	ND	2.0		µg/L	2	9/28/2019 10:00:16 AM	A63291
Xylenes, Total	ND	3.0		µg/L	2	9/28/2019 10:00:16 AM	A63291
Surr: 1,2-Dichloroethane-d4	104	70-130		%Rec	2	9/28/2019 10:00:16 AM	A63291
Surr: 4-Bromofluorobenzene	84.6	70-130		%Rec	2	9/28/2019 10:00:16 AM	A63291
Surr: Dibromofluoromethane	109	70-130		%Rec	2	9/28/2019 10:00:16 AM	A63291
Surr: Toluene-d8	102	70-130		%Rec	2	9/28/2019 10:00:16 AM	A63291

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 Limit
S	% Recovery outside of range due to dilution or matrix		

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD
Client Sample ID: GW-086241-092419-CM-6-47
Project: Laguna Station 6
Collection Date: 9/24/2019 1:25:00 PM
Lab ID: 1909E60-025
Matrix: AQUEOUS
Received Date: 9/25/2019 2:45:00 PM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8260B: VOLATILES						Analyst: **DJF**	
Benzene	ND	2.0		µg/L	2	9/28/2019 10:29:59 AM	B63291
Toluene	ND	2.0		µg/L	2	9/28/2019 10:29:59 AM	B63291
Ethylbenzene	ND	2.0		µg/L	2	9/28/2019 10:29:59 AM	B63291
Methyl tert-butyl ether (MTBE)	ND	2.0		µg/L	2	9/28/2019 10:29:59 AM	B63291
1,2,4-Trimethylbenzene	ND	2.0		µg/L	2	9/28/2019 10:29:59 AM	B63291
1,3,5-Trimethylbenzene	ND	2.0		µg/L	2	9/28/2019 10:29:59 AM	B63291
1,2-Dichloroethane (EDC)	2.2	2.0		µg/L	2	9/28/2019 10:29:59 AM	B63291
1,2-Dibromoethane (EDB)	ND	2.0		µg/L	2	9/28/2019 10:29:59 AM	B63291
Naphthalene	ND	4.0		µg/L	2	9/28/2019 10:29:59 AM	B63291
1-Methylnaphthalene	ND	8.0		µg/L	2	9/28/2019 10:29:59 AM	B63291
2-Methylnaphthalene	ND	8.0		µg/L	2	9/28/2019 10:29:59 AM	B63291
Acetone	ND	20		µg/L	2	9/28/2019 10:29:59 AM	B63291
Bromobenzene	ND	2.0		µg/L	2	9/28/2019 10:29:59 AM	B63291
Bromodichloromethane	ND	2.0		µg/L	2	9/28/2019 10:29:59 AM	B63291
Bromoform	ND	2.0		µg/L	2	9/28/2019 10:29:59 AM	B63291
Bromomethane	ND	6.0		µg/L	2	9/28/2019 10:29:59 AM	B63291
2-Butanone	ND	20		µg/L	2	9/28/2019 10:29:59 AM	B63291
Carbon disulfide	ND	20		µg/L	2	9/28/2019 10:29:59 AM	B63291
Carbon Tetrachloride	ND	2.0		µg/L	2	9/28/2019 10:29:59 AM	B63291
Chlorobenzene	ND	2.0		µg/L	2	9/28/2019 10:29:59 AM	B63291
Chloroethane	ND	4.0		µg/L	2	9/28/2019 10:29:59 AM	B63291
Chloroform	ND	2.0		µg/L	2	9/28/2019 10:29:59 AM	B63291
Chloromethane	ND	6.0		µg/L	2	9/28/2019 10:29:59 AM	B63291
2-Chlorotoluene	ND	2.0		µg/L	2	9/28/2019 10:29:59 AM	B63291
4-Chlorotoluene	ND	2.0		µg/L	2	9/28/2019 10:29:59 AM	B63291
cis-1,2-DCE	2.3	2.0		µg/L	2	9/28/2019 10:29:59 AM	B63291
cis-1,3-Dichloropropene	ND	2.0		µg/L	2	9/28/2019 10:29:59 AM	B63291
1,2-Dibromo-3-chloropropane	ND	4.0		µg/L	2	9/28/2019 10:29:59 AM	B63291
Dibromochloromethane	ND	2.0		µg/L	2	9/28/2019 10:29:59 AM	B63291
Dibromomethane	ND	2.0		µg/L	2	9/28/2019 10:29:59 AM	B63291
1,2-Dichlorobenzene	ND	2.0		µg/L	2	9/28/2019 10:29:59 AM	B63291
1,3-Dichlorobenzene	ND	2.0		µg/L	2	9/28/2019 10:29:59 AM	B63291
1,4-Dichlorobenzene	ND	2.0		µg/L	2	9/28/2019 10:29:59 AM	B63291
Dichlorodifluoromethane	ND	2.0		µg/L	2	9/28/2019 10:29:59 AM	B63291
1,1-Dichloroethane	220	20		µg/L	20	9/28/2019 12:27:56 PM	B63291
1,1-Dichloroethene	36	2.0		µg/L	2	9/28/2019 10:29:59 AM	B63291
1,2-Dichloropropane	ND	2.0		µg/L	2	9/28/2019 10:29:59 AM	B63291
1,3-Dichloropropane	ND	2.0		µg/L	2	9/28/2019 10:29:59 AM	B63291
2,2-Dichloropropane	ND	4.0		µg/L	2	9/28/2019 10:29:59 AM	B63291

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 Limit
S	% Recovery outside of range due to dilution or matrix		

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD
Client Sample ID: GW-086241-092419-CM-6-47
Project: Laguna Station 6
Collection Date: 9/24/2019 1:25:00 PM
Lab ID: 1909E60-025
Matrix: AQUEOUS
Received Date: 9/25/2019 2:45:00 PM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8260B: VOLATILES						Analyst: **DJF**	
1,1-Dichloropropene	ND	2.0		µg/L	2	9/28/2019 10:29:59 AM	B63291
Hexachlorobutadiene	ND	2.0		µg/L	2	9/28/2019 10:29:59 AM	B63291
2-Hexanone	ND	20		µg/L	2	9/28/2019 10:29:59 AM	B63291
Isopropylbenzene	ND	2.0		µg/L	2	9/28/2019 10:29:59 AM	B63291
4-Isopropyltoluene	ND	2.0		µg/L	2	9/28/2019 10:29:59 AM	B63291
4-Methyl-2-pentanone	ND	20		µg/L	2	9/28/2019 10:29:59 AM	B63291
Methylene Chloride	ND	6.0		µg/L	2	9/28/2019 10:29:59 AM	B63291
n-Butylbenzene	ND	6.0		µg/L	2	9/28/2019 10:29:59 AM	B63291
n-Propylbenzene	ND	2.0		µg/L	2	9/28/2019 10:29:59 AM	B63291
sec-Butylbenzene	ND	2.0		µg/L	2	9/28/2019 10:29:59 AM	B63291
Styrene	ND	2.0		µg/L	2	9/28/2019 10:29:59 AM	B63291
tert-Butylbenzene	ND	2.0		µg/L	2	9/28/2019 10:29:59 AM	B63291
1,1,1,2-Tetrachloroethane	ND	2.0		µg/L	2	9/28/2019 10:29:59 AM	B63291
1,1,2,2-Tetrachloroethane	ND	4.0		µg/L	2	9/28/2019 10:29:59 AM	B63291
Tetrachloroethene (PCE)	ND	2.0		µg/L	2	9/28/2019 10:29:59 AM	B63291
trans-1,2-DCE	ND	2.0		µg/L	2	9/28/2019 10:29:59 AM	B63291
trans-1,3-Dichloropropene	ND	2.0		µg/L	2	9/28/2019 10:29:59 AM	B63291
1,2,3-Trichlorobenzene	ND	2.0		µg/L	2	9/28/2019 10:29:59 AM	B63291
1,2,4-Trichlorobenzene	ND	2.0		µg/L	2	9/28/2019 10:29:59 AM	B63291
1,1,1-Trichloroethane	ND	2.0		µg/L	2	9/28/2019 10:29:59 AM	B63291
1,1,2-Trichloroethane	ND	2.0		µg/L	2	9/28/2019 10:29:59 AM	B63291
Trichloroethene (TCE)	ND	2.0		µg/L	2	9/28/2019 10:29:59 AM	B63291
Trichlorofluoromethane	ND	2.0		µg/L	2	9/28/2019 10:29:59 AM	B63291
1,2,3-Trichloropropane	ND	4.0		µg/L	2	9/28/2019 10:29:59 AM	B63291
Vinyl chloride	ND	2.0		µg/L	2	9/28/2019 10:29:59 AM	B63291
Xylenes, Total	ND	3.0		µg/L	2	9/28/2019 10:29:59 AM	B63291
Surr: 1,2-Dichloroethane-d4	107	70-130		%Rec	2	9/28/2019 10:29:59 AM	B63291
Surr: 4-Bromofluorobenzene	83.5	70-130		%Rec	2	9/28/2019 10:29:59 AM	B63291
Surr: Dibromofluoromethane	109	70-130		%Rec	2	9/28/2019 10:29:59 AM	B63291
Surr: Toluene-d8	106	70-130		%Rec	2	9/28/2019 10:29:59 AM	B63291

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 Limit
S	% Recovery outside of range due to dilution or matrix		

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD
Client Sample ID: GW-086241-092519-CM-6-54
Project: Laguna Station 6
Collection Date: 9/25/2019 10:25:00 AM
Lab ID: 1909E60-026
Matrix: AQUEOUS
Received Date: 9/25/2019 2:45:00 PM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 9060 TOC						Analyst: **AG**	
Total Organic Carbon	980	1.0		mg/L	1	10/14/2019 3:01:48 PM	A63704
EPA METHOD 300.0: ANIONS						Analyst: **CJS**	
Sulfate	2.9	2.5		mg/L	5	10/8/2019 12:35:56 AM	R63492
Nitrate+Nitrite as N	ND	1.0		mg/L	5	10/8/2019 12:48:48 AM	R63492
EPA METHOD 8260B: VOLATILES						Analyst: **DJF**	
Benzene	1.5	1.0		µg/L	1	9/28/2019 12:57:15 PM	B63291
Toluene	ND	1.0		µg/L	1	9/28/2019 12:57:15 PM	B63291
Ethylbenzene	ND	1.0		µg/L	1	9/28/2019 12:57:15 PM	B63291
Methyl tert-butyl ether (MTBE)	ND	1.0		µg/L	1	9/28/2019 12:57:15 PM	B63291
1,2,4-Trimethylbenzene	ND	1.0		µg/L	1	9/28/2019 12:57:15 PM	B63291
1,3,5-Trimethylbenzene	ND	1.0		µg/L	1	9/28/2019 12:57:15 PM	B63291
1,2-Dichloroethane (EDC)	ND	1.0		µg/L	1	9/28/2019 12:57:15 PM	B63291
1,2-Dibromoethane (EDB)	ND	1.0		µg/L	1	9/28/2019 12:57:15 PM	B63291
Naphthalene	ND	2.0		µg/L	1	9/28/2019 12:57:15 PM	B63291
1-Methylnaphthalene	ND	4.0		µg/L	1	9/28/2019 12:57:15 PM	B63291
2-Methylnaphthalene	ND	4.0		µg/L	1	9/28/2019 12:57:15 PM	B63291
Acetone	180	10		µg/L	1	9/28/2019 12:57:15 PM	B63291
Bromobenzene	ND	1.0		µg/L	1	9/28/2019 12:57:15 PM	B63291
Bromodichloromethane	ND	1.0		µg/L	1	9/28/2019 12:57:15 PM	B63291
Bromoform	ND	1.0		µg/L	1	9/28/2019 12:57:15 PM	B63291
Bromomethane	ND	3.0		µg/L	1	9/28/2019 12:57:15 PM	B63291
2-Butanone	180	100		µg/L	10	9/30/2019 12:32:07 PM	R63315
Carbon disulfide	ND	10		µg/L	1	9/28/2019 12:57:15 PM	B63291
Carbon Tetrachloride	ND	1.0		µg/L	1	9/28/2019 12:57:15 PM	B63291
Chlorobenzene	ND	1.0		µg/L	1	9/28/2019 12:57:15 PM	B63291
Chloroethane	7.9	2.0		µg/L	1	9/28/2019 12:57:15 PM	B63291
Chloroform	ND	1.0		µg/L	1	9/28/2019 12:57:15 PM	B63291
Chloromethane	ND	3.0		µg/L	1	9/28/2019 12:57:15 PM	B63291
2-Chlorotoluene	ND	1.0		µg/L	1	9/28/2019 12:57:15 PM	B63291
4-Chlorotoluene	ND	1.0		µg/L	1	9/28/2019 12:57:15 PM	B63291
cis-1,2-DCE	ND	1.0		µg/L	1	9/28/2019 12:57:15 PM	B63291
cis-1,3-Dichloropropene	ND	1.0		µg/L	1	9/28/2019 12:57:15 PM	B63291
1,2-Dibromo-3-chloropropane	ND	2.0		µg/L	1	9/28/2019 12:57:15 PM	B63291
Dibromochloromethane	ND	1.0		µg/L	1	9/28/2019 12:57:15 PM	B63291
Dibromomethane	ND	1.0		µg/L	1	9/28/2019 12:57:15 PM	B63291
1,2-Dichlorobenzene	ND	1.0		µg/L	1	9/28/2019 12:57:15 PM	B63291
1,3-Dichlorobenzene	ND	1.0		µg/L	1	9/28/2019 12:57:15 PM	B63291
1,4-Dichlorobenzene	ND	1.0		µg/L	1	9/28/2019 12:57:15 PM	B63291

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 Limit
S	% Recovery outside of range due to dilution or matrix		

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD
Client Sample ID: GW-086241-092519-CM-6-54
Project: Laguna Station 6
Collection Date: 9/25/2019 10:25:00 AM
Lab ID: 1909E60-026
Matrix: AQUEOUS
Received Date: 9/25/2019 2:45:00 PM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8260B: VOLATILES						Analyst: **DJF**	
Dichlorodifluoromethane	ND	1.0		µg/L	1	9/28/2019 12:57:15 PM	B63291
1,1-Dichloroethane	1.6	1.0		µg/L	1	9/28/2019 12:57:15 PM	B63291
1,1-Dichloroethene	4.4	1.0		µg/L	1	9/28/2019 12:57:15 PM	B63291
1,2-Dichloropropane	ND	1.0		µg/L	1	9/28/2019 12:57:15 PM	B63291
1,3-Dichloropropane	ND	1.0		µg/L	1	9/28/2019 12:57:15 PM	B63291
2,2-Dichloropropane	ND	2.0		µg/L	1	9/28/2019 12:57:15 PM	B63291
1,1-Dichloropropene	ND	1.0		µg/L	1	9/28/2019 12:57:15 PM	B63291
Hexachlorobutadiene	ND	1.0		µg/L	1	9/28/2019 12:57:15 PM	B63291
2-Hexanone	140	10		µg/L	1	9/28/2019 12:57:15 PM	B63291
Isopropylbenzene	ND	1.0		µg/L	1	9/28/2019 12:57:15 PM	B63291
4-Isopropyltoluene	ND	1.0		µg/L	1	9/28/2019 12:57:15 PM	B63291
4-Methyl-2-pentanone	ND	10		µg/L	1	9/28/2019 12:57:15 PM	B63291
Methylene Chloride	ND	3.0		µg/L	1	9/28/2019 12:57:15 PM	B63291
n-Butylbenzene	ND	3.0		µg/L	1	9/28/2019 12:57:15 PM	B63291
n-Propylbenzene	ND	1.0		µg/L	1	9/28/2019 12:57:15 PM	B63291
sec-Butylbenzene	ND	1.0		µg/L	1	9/28/2019 12:57:15 PM	B63291
Styrene	ND	1.0		µg/L	1	9/28/2019 12:57:15 PM	B63291
tert-Butylbenzene	ND	1.0		µg/L	1	9/28/2019 12:57:15 PM	B63291
1,1,1,2-Tetrachloroethane	ND	1.0		µg/L	1	9/28/2019 12:57:15 PM	B63291
1,1,2,2-Tetrachloroethane	ND	2.0		µg/L	1	9/28/2019 12:57:15 PM	B63291
Tetrachloroethene (PCE)	ND	1.0		µg/L	1	9/28/2019 12:57:15 PM	B63291
trans-1,2-DCE	ND	1.0		µg/L	1	9/28/2019 12:57:15 PM	B63291
trans-1,3-Dichloropropene	ND	1.0		µg/L	1	9/28/2019 12:57:15 PM	B63291
1,2,3-Trichlorobenzene	ND	1.0		µg/L	1	9/28/2019 12:57:15 PM	B63291
1,2,4-Trichlorobenzene	ND	1.0		µg/L	1	9/28/2019 12:57:15 PM	B63291
1,1,1-Trichloroethane	ND	1.0		µg/L	1	9/28/2019 12:57:15 PM	B63291
1,1,2-Trichloroethane	ND	1.0		µg/L	1	9/28/2019 12:57:15 PM	B63291
Trichloroethene (TCE)	ND	1.0		µg/L	1	9/28/2019 12:57:15 PM	B63291
Trichlorofluoromethane	ND	1.0		µg/L	1	9/28/2019 12:57:15 PM	B63291
1,2,3-Trichloropropane	ND	2.0		µg/L	1	9/28/2019 12:57:15 PM	B63291
Vinyl chloride	1.9	1.0		µg/L	1	9/28/2019 12:57:15 PM	B63291
Xylenes, Total	ND	1.5		µg/L	1	9/28/2019 12:57:15 PM	B63291
Surr: 1,2-Dichloroethane-d4	107	70-130		%Rec	1	9/28/2019 12:57:15 PM	B63291
Surr: 4-Bromofluorobenzene	94.6	70-130		%Rec	1	9/28/2019 12:57:15 PM	B63291
Surr: Dibromofluoromethane	110	70-130		%Rec	1	9/28/2019 12:57:15 PM	B63291
Surr: Toluene-d8	100	70-130		%Rec	1	9/28/2019 12:57:15 PM	B63291

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 Limit
S	% Recovery outside of range due to dilution or matrix		

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD
Client Sample ID: GW-086241-092519-CM-6-DUP
Project: Laguna Station 6
Collection Date: 9/25/2019
Lab ID: 1909E60-027
Matrix: AQUEOUS
Received Date: 9/25/2019 2:45:00 PM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8260B: VOLATILES						Analyst: **DJF**	
Benzene	1.8	1.0		µg/L	1	9/28/2019 1:26:33 PM	B63291
Toluene	ND	1.0		µg/L	1	9/28/2019 1:26:33 PM	B63291
Ethylbenzene	ND	1.0		µg/L	1	9/28/2019 1:26:33 PM	B63291
Methyl tert-butyl ether (MTBE)	ND	1.0		µg/L	1	9/28/2019 1:26:33 PM	B63291
1,2,4-Trimethylbenzene	1.6	1.0		µg/L	1	9/28/2019 1:26:33 PM	B63291
1,3,5-Trimethylbenzene	ND	1.0		µg/L	1	9/28/2019 1:26:33 PM	B63291
1,2-Dichloroethane (EDC)	ND	1.0		µg/L	1	9/28/2019 1:26:33 PM	B63291
1,2-Dibromoethane (EDB)	ND	1.0		µg/L	1	9/28/2019 1:26:33 PM	B63291
Naphthalene	ND	2.0		µg/L	1	9/28/2019 1:26:33 PM	B63291
1-Methylnaphthalene	ND	4.0		µg/L	1	9/28/2019 1:26:33 PM	B63291
2-Methylnaphthalene	ND	4.0		µg/L	1	9/28/2019 1:26:33 PM	B63291
Acetone	ND	10		µg/L	1	9/28/2019 1:26:33 PM	B63291
Bromobenzene	ND	1.0		µg/L	1	9/28/2019 1:26:33 PM	B63291
Bromodichloromethane	ND	1.0		µg/L	1	9/28/2019 1:26:33 PM	B63291
Bromoform	ND	1.0		µg/L	1	9/28/2019 1:26:33 PM	B63291
Bromomethane	ND	3.0		µg/L	1	9/28/2019 1:26:33 PM	B63291
2-Butanone	ND	10		µg/L	1	9/28/2019 1:26:33 PM	B63291
Carbon disulfide	ND	10		µg/L	1	9/28/2019 1:26:33 PM	B63291
Carbon Tetrachloride	ND	1.0		µg/L	1	9/28/2019 1:26:33 PM	B63291
Chlorobenzene	ND	1.0		µg/L	1	9/28/2019 1:26:33 PM	B63291
Chloroethane	ND	2.0		µg/L	1	9/28/2019 1:26:33 PM	B63291
Chloroform	ND	1.0		µg/L	1	9/28/2019 1:26:33 PM	B63291
Chloromethane	ND	3.0		µg/L	1	9/28/2019 1:26:33 PM	B63291
2-Chlorotoluene	ND	1.0		µg/L	1	9/28/2019 1:26:33 PM	B63291
4-Chlorotoluene	ND	1.0		µg/L	1	9/28/2019 1:26:33 PM	B63291
cis-1,2-DCE	ND	1.0		µg/L	1	9/28/2019 1:26:33 PM	B63291
cis-1,3-Dichloropropene	ND	1.0		µg/L	1	9/28/2019 1:26:33 PM	B63291
1,2-Dibromo-3-chloropropane	ND	2.0		µg/L	1	9/28/2019 1:26:33 PM	B63291
Dibromochloromethane	ND	1.0		µg/L	1	9/28/2019 1:26:33 PM	B63291
Dibromomethane	ND	1.0		µg/L	1	9/28/2019 1:26:33 PM	B63291
1,2-Dichlorobenzene	ND	1.0		µg/L	1	9/28/2019 1:26:33 PM	B63291
1,3-Dichlorobenzene	ND	1.0		µg/L	1	9/28/2019 1:26:33 PM	B63291
1,4-Dichlorobenzene	ND	1.0		µg/L	1	9/28/2019 1:26:33 PM	B63291
Dichlorodifluoromethane	ND	1.0		µg/L	1	9/28/2019 1:26:33 PM	B63291
1,1-Dichloroethane	51	1.0		µg/L	1	9/28/2019 1:26:33 PM	B63291
1,1-Dichloroethene	17	1.0		µg/L	1	9/28/2019 1:26:33 PM	B63291
1,2-Dichloropropane	ND	1.0		µg/L	1	9/28/2019 1:26:33 PM	B63291
1,3-Dichloropropane	ND	1.0		µg/L	1	9/28/2019 1:26:33 PM	B63291
2,2-Dichloropropane	ND	2.0		µg/L	1	9/28/2019 1:26:33 PM	B63291

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 Limit
S	% Recovery outside of range due to dilution or matrix		

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD
Client Sample ID: GW-086241-092519-CM-6-DUP
Project: Laguna Station 6
Collection Date: 9/25/2019
Lab ID: 1909E60-027
Matrix: AQUEOUS
Received Date: 9/25/2019 2:45:00 PM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8260B: VOLATILES						Analyst: **DJF**	
1,1-Dichloropropene	ND	1.0		µg/L	1	9/28/2019 1:26:33 PM	B63291
Hexachlorobutadiene	ND	1.0		µg/L	1	9/28/2019 1:26:33 PM	B63291
2-Hexanone	ND	10		µg/L	1	9/28/2019 1:26:33 PM	B63291
Isopropylbenzene	ND	1.0		µg/L	1	9/28/2019 1:26:33 PM	B63291
4-Isopropyltoluene	ND	1.0		µg/L	1	9/28/2019 1:26:33 PM	B63291
4-Methyl-2-pentanone	ND	10		µg/L	1	9/28/2019 1:26:33 PM	B63291
Methylene Chloride	ND	3.0		µg/L	1	9/28/2019 1:26:33 PM	B63291
n-Butylbenzene	ND	3.0		µg/L	1	9/28/2019 1:26:33 PM	B63291
n-Propylbenzene	ND	1.0		µg/L	1	9/28/2019 1:26:33 PM	B63291
sec-Butylbenzene	ND	1.0		µg/L	1	9/28/2019 1:26:33 PM	B63291
Styrene	ND	1.0		µg/L	1	9/28/2019 1:26:33 PM	B63291
tert-Butylbenzene	ND	1.0		µg/L	1	9/28/2019 1:26:33 PM	B63291
1,1,1,2-Tetrachloroethane	ND	1.0		µg/L	1	9/28/2019 1:26:33 PM	B63291
1,1,2,2-Tetrachloroethane	ND	2.0		µg/L	1	9/28/2019 1:26:33 PM	B63291
Tetrachloroethene (PCE)	ND	1.0		µg/L	1	9/28/2019 1:26:33 PM	B63291
trans-1,2-DCE	ND	1.0		µg/L	1	9/28/2019 1:26:33 PM	B63291
trans-1,3-Dichloropropene	ND	1.0		µg/L	1	9/28/2019 1:26:33 PM	B63291
1,2,3-Trichlorobenzene	ND	1.0		µg/L	1	9/28/2019 1:26:33 PM	B63291
1,2,4-Trichlorobenzene	ND	1.0		µg/L	1	9/28/2019 1:26:33 PM	B63291
1,1,1-Trichloroethane	ND	1.0		µg/L	1	9/28/2019 1:26:33 PM	B63291
1,1,2-Trichloroethane	ND	1.0		µg/L	1	9/28/2019 1:26:33 PM	B63291
Trichloroethene (TCE)	ND	1.0		µg/L	1	9/28/2019 1:26:33 PM	B63291
Trichlorofluoromethane	ND	1.0		µg/L	1	9/28/2019 1:26:33 PM	B63291
1,2,3-Trichloropropane	ND	2.0		µg/L	1	9/28/2019 1:26:33 PM	B63291
Vinyl chloride	ND	1.0		µg/L	1	9/28/2019 1:26:33 PM	B63291
Xylenes, Total	ND	1.5		µg/L	1	9/28/2019 1:26:33 PM	B63291
Surr: 1,2-Dichloroethane-d4	105	70-130		%Rec	1	9/28/2019 1:26:33 PM	B63291
Surr: 4-Bromofluorobenzene	86.4	70-130		%Rec	1	9/28/2019 1:26:33 PM	B63291
Surr: Dibromofluoromethane	108	70-130		%Rec	1	9/28/2019 1:26:33 PM	B63291
Surr: Toluene-d8	106	70-130		%Rec	1	9/28/2019 1:26:33 PM	B63291

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 Limit
S	% Recovery outside of range due to dilution or matrix		

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD
Client Sample ID: Trip Blank
Project: Laguna Station 6
Collection Date:
Lab ID: 1909E60-028
Matrix: TRIP BLANK
Received Date: 9/25/2019 2:45:00 PM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8260B: VOLATILES						Analyst: **DJF**	
Benzene	ND	1.0		µg/L	1	9/28/2019 2:54:42 PM	B63291
Toluene	ND	1.0		µg/L	1	9/28/2019 2:54:42 PM	B63291
Ethylbenzene	ND	1.0		µg/L	1	9/28/2019 2:54:42 PM	B63291
Methyl tert-butyl ether (MTBE)	ND	1.0		µg/L	1	9/28/2019 2:54:42 PM	B63291
1,2,4-Trimethylbenzene	ND	1.0		µg/L	1	9/28/2019 2:54:42 PM	B63291
1,3,5-Trimethylbenzene	ND	1.0		µg/L	1	9/28/2019 2:54:42 PM	B63291
1,2-Dichloroethane (EDC)	ND	1.0		µg/L	1	9/28/2019 2:54:42 PM	B63291
1,2-Dibromoethane (EDB)	ND	1.0		µg/L	1	9/28/2019 2:54:42 PM	B63291
Naphthalene	ND	2.0		µg/L	1	9/28/2019 2:54:42 PM	B63291
1-Methylnaphthalene	ND	4.0		µg/L	1	9/28/2019 2:54:42 PM	B63291
2-Methylnaphthalene	ND	4.0		µg/L	1	9/28/2019 2:54:42 PM	B63291
Acetone	ND	10		µg/L	1	9/28/2019 2:54:42 PM	B63291
Bromobenzene	ND	1.0		µg/L	1	9/28/2019 2:54:42 PM	B63291
Bromodichloromethane	ND	1.0		µg/L	1	9/28/2019 2:54:42 PM	B63291
Bromoform	ND	1.0		µg/L	1	9/28/2019 2:54:42 PM	B63291
Bromomethane	ND	3.0		µg/L	1	9/28/2019 2:54:42 PM	B63291
2-Butanone	ND	10		µg/L	1	9/28/2019 2:54:42 PM	B63291
Carbon disulfide	ND	10		µg/L	1	9/28/2019 2:54:42 PM	B63291
Carbon Tetrachloride	ND	1.0		µg/L	1	9/28/2019 2:54:42 PM	B63291
Chlorobenzene	ND	1.0		µg/L	1	9/28/2019 2:54:42 PM	B63291
Chloroethane	ND	2.0		µg/L	1	9/28/2019 2:54:42 PM	B63291
Chloroform	ND	1.0		µg/L	1	9/28/2019 2:54:42 PM	B63291
Chloromethane	ND	3.0		µg/L	1	9/28/2019 2:54:42 PM	B63291
2-Chlorotoluene	ND	1.0		µg/L	1	9/28/2019 2:54:42 PM	B63291
4-Chlorotoluene	ND	1.0		µg/L	1	9/28/2019 2:54:42 PM	B63291
cis-1,2-DCE	ND	1.0		µg/L	1	9/28/2019 2:54:42 PM	B63291
cis-1,3-Dichloropropene	ND	1.0		µg/L	1	9/28/2019 2:54:42 PM	B63291
1,2-Dibromo-3-chloropropane	ND	2.0		µg/L	1	9/28/2019 2:54:42 PM	B63291
Dibromochloromethane	ND	1.0		µg/L	1	9/28/2019 2:54:42 PM	B63291
Dibromomethane	ND	1.0		µg/L	1	9/28/2019 2:54:42 PM	B63291
1,2-Dichlorobenzene	ND	1.0		µg/L	1	9/28/2019 2:54:42 PM	B63291
1,3-Dichlorobenzene	ND	1.0		µg/L	1	9/28/2019 2:54:42 PM	B63291
1,4-Dichlorobenzene	ND	1.0		µg/L	1	9/28/2019 2:54:42 PM	B63291
Dichlorodifluoromethane	ND	1.0		µg/L	1	9/28/2019 2:54:42 PM	B63291
1,1-Dichloroethane	ND	1.0		µg/L	1	9/28/2019 2:54:42 PM	B63291
1,1-Dichloroethene	ND	1.0		µg/L	1	9/28/2019 2:54:42 PM	B63291
1,2-Dichloropropane	ND	1.0		µg/L	1	9/28/2019 2:54:42 PM	B63291
1,3-Dichloropropane	ND	1.0		µg/L	1	9/28/2019 2:54:42 PM	B63291
2,2-Dichloropropane	ND	2.0		µg/L	1	9/28/2019 2:54:42 PM	B63291

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 Limit
S	% Recovery outside of range due to dilution or matrix		

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD
Client Sample ID: Trip Blank
Project: Laguna Station 6
Collection Date:
Lab ID: 1909E60-028
Matrix: TRIP BLANK
Received Date: 9/25/2019 2:45:00 PM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8260B: VOLATILES						Analyst: **DJF**	
1,1-Dichloropropene	ND	1.0		µg/L	1	9/28/2019 2:54:42 PM	B63291
Hexachlorobutadiene	ND	1.0		µg/L	1	9/28/2019 2:54:42 PM	B63291
2-Hexanone	ND	10		µg/L	1	9/28/2019 2:54:42 PM	B63291
Isopropylbenzene	ND	1.0		µg/L	1	9/28/2019 2:54:42 PM	B63291
4-Isopropyltoluene	ND	1.0		µg/L	1	9/28/2019 2:54:42 PM	B63291
4-Methyl-2-pentanone	ND	10		µg/L	1	9/28/2019 2:54:42 PM	B63291
Methylene Chloride	ND	3.0		µg/L	1	9/28/2019 2:54:42 PM	B63291
n-Butylbenzene	ND	3.0		µg/L	1	9/28/2019 2:54:42 PM	B63291
n-Propylbenzene	ND	1.0		µg/L	1	9/28/2019 2:54:42 PM	B63291
sec-Butylbenzene	ND	1.0		µg/L	1	9/28/2019 2:54:42 PM	B63291
Styrene	ND	1.0		µg/L	1	9/28/2019 2:54:42 PM	B63291
tert-Butylbenzene	ND	1.0		µg/L	1	9/28/2019 2:54:42 PM	B63291
1,1,1,2-Tetrachloroethane	ND	1.0		µg/L	1	9/28/2019 2:54:42 PM	B63291
1,1,2,2-Tetrachloroethane	ND	2.0		µg/L	1	9/28/2019 2:54:42 PM	B63291
Tetrachloroethene (PCE)	ND	1.0		µg/L	1	9/28/2019 2:54:42 PM	B63291
trans-1,2-DCE	ND	1.0		µg/L	1	9/28/2019 2:54:42 PM	B63291
trans-1,3-Dichloropropene	ND	1.0		µg/L	1	9/28/2019 2:54:42 PM	B63291
1,2,3-Trichlorobenzene	ND	1.0		µg/L	1	9/28/2019 2:54:42 PM	B63291
1,2,4-Trichlorobenzene	ND	1.0		µg/L	1	9/28/2019 2:54:42 PM	B63291
1,1,1-Trichloroethane	ND	1.0		µg/L	1	9/28/2019 2:54:42 PM	B63291
1,1,2-Trichloroethane	ND	1.0		µg/L	1	9/28/2019 2:54:42 PM	B63291
Trichloroethene (TCE)	ND	1.0		µg/L	1	9/28/2019 2:54:42 PM	B63291
Trichlorofluoromethane	ND	1.0		µg/L	1	9/28/2019 2:54:42 PM	B63291
1,2,3-Trichloropropane	ND	2.0		µg/L	1	9/28/2019 2:54:42 PM	B63291
Vinyl chloride	ND	1.0		µg/L	1	9/28/2019 2:54:42 PM	B63291
Xylenes, Total	ND	1.5		µg/L	1	9/28/2019 2:54:42 PM	B63291
Surr: 1,2-Dichloroethane-d4	108	70-130		%Rec	1	9/28/2019 2:54:42 PM	B63291
Surr: 4-Bromofluorobenzene	82.6	70-130		%Rec	1	9/28/2019 2:54:42 PM	B63291
Surr: Dibromofluoromethane	110	70-130		%Rec	1	9/28/2019 2:54:42 PM	B63291
Surr: Toluene-d8	103	70-130		%Rec	1	9/28/2019 2:54:42 PM	B63291

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 Limit
S	% Recovery outside of range due to dilution or matrix		

QC SUMMARY REPORT
Hall Environmental Analysis Laboratory, Inc.

WO#: **1909E60**
21-Oct-19

Client: GHD
Project: Laguna Station 6

Sample ID: **MB** SampType: **MBLK** TestCode: **EPA Method 300.0: Anions**
Client ID: **PBW** Batch ID: **R63252** RunNo: **63252**
Prep Date: Analysis Date: **9/26/2019** SeqNo: **2158564** Units: **mg/L**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Nitrogen, Nitrate (As N)	ND	0.10								
Sulfate	ND	0.50								

Sample ID: **LCS** SampType: **LCS** TestCode: **EPA Method 300.0: Anions**
Client ID: **LCSW** Batch ID: **R63252** RunNo: **63252**
Prep Date: Analysis Date: **9/26/2019** SeqNo: **2158565** Units: **mg/L**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Nitrogen, Nitrate (As N)	2.5	0.10	2.500	0	98.5	90	110			
Sulfate	9.8	0.50	10.00	0	98.2	90	110			

Sample ID: **MB** SampType: **mblk** TestCode: **EPA Method 300.0: Anions**
Client ID: **PBW** Batch ID: **R63492** RunNo: **63492**
Prep Date: Analysis Date: **10/7/2019** SeqNo: **2169249** Units: **mg/L**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Sulfate	ND	0.50								
Nitrate+Nitrite as N	ND	0.20								

Sample ID: **LCS** SampType: **lcs** TestCode: **EPA Method 300.0: Anions**
Client ID: **LCSW** Batch ID: **R63492** RunNo: **63492**
Prep Date: Analysis Date: **10/7/2019** SeqNo: **2169250** 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	94.9	90	110			
Nitrate+Nitrite as N	3.3	0.20	3.500	0	95.4	90	110			

Sample ID: **MB** SampType: **mblk** TestCode: **EPA Method 300.0: Anions**
Client ID: **PBW** Batch ID: **R63492** RunNo: **63492**
Prep Date: Analysis Date: **10/7/2019** SeqNo: **2169268** Units: **mg/L**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Sulfate	ND	0.50								
Nitrate+Nitrite as N	ND	0.20								

Sample ID: **LCS** SampType: **lcs** TestCode: **EPA Method 300.0: Anions**
Client ID: **LCSW** Batch ID: **R63492** RunNo: **63492**
Prep Date: Analysis Date: **10/7/2019** SeqNo: **2169269** Units: **mg/L**

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

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 Limit
S	% Recovery outside of range due to dilution or matrix		

QC SUMMARY REPORT
Hall Environmental Analysis Laboratory, Inc.

WO#: **1909E60**
21-Oct-19

Client: GHD
Project: Laguna Station 6

Sample ID: **LCS**	SampType: **lcs**	TestCode: **EPA Method 300.0: Anions**
Client ID: **LCSW**	Batch ID: **R63492**	RunNo: **63492**
Prep Date:	Analysis Date: **10/7/2019**	SeqNo: **2169269** Units: **mg/L**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Sulfate	9.4	0.50	10.00	0	94.3	90	110			
Nitrate+Nitrite as N	3.3	0.20	3.500	0	94.7	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 Limit
S	% Recovery outside of range due to dilution or matrix		

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: **1909E60**

21-Oct-19

Client: GHD

Project: Laguna Station 6

Sample ID: **MB-47750**	SampType: **MBLK**	TestCode: **EPA Method 8082A: PCB's**
Client ID: **PBW**	Batch ID: **47750**	RunNo: **63410**
Prep Date: **9/26/2019**	Analysis Date: **10/3/2019**	SeqNo: **2165078** Units: **µg/L**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Aroclor 1016	ND	0.25								
Aroclor 1221	ND	0.25								
Aroclor 1232	ND	0.25								
Aroclor 1242	ND	0.25								
Aroclor 1248	ND	0.25								
Aroclor 1254	ND	0.25								
Aroclor 1260	ND	0.25								
Surr: Decachlorobiphenyl	1.8		2.500		71.2	24.8	102			
Surr: Tetrachloro-m-xylene	1.7		2.500		68.4	15.6	106			

Sample ID: **MB-47750**	SampType: **MBLK**	TestCode: **EPA Method 8082A: PCB's**
Client ID: **PBW**	Batch ID: **47750**	RunNo: **63410**
Prep Date: **9/26/2019**	Analysis Date: **10/3/2019**	SeqNo: **2165082** Units: **µg/L**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Aroclor 1016	ND	0.25								
Aroclor 1221	ND	0.25								
Aroclor 1232	ND	0.25								
Aroclor 1242	ND	0.25								
Aroclor 1248	ND	0.25								
Aroclor 1254	ND	0.25								
Aroclor 1260	ND	0.25								
Surr: Decachlorobiphenyl	1.9		2.500		74.8	24.8	102			
Surr: Tetrachloro-m-xylene	1.8		2.500		71.2	15.6	106			

Sample ID: **LCS-47750**	SampType: **LCS**	TestCode: **EPA Method 8082A: PCB's**
Client ID: **LCSW**	Batch ID: **47750**	RunNo: **63410**
Prep Date: **9/26/2019**	Analysis Date: **10/3/2019**	SeqNo: **2165083** Units: **µg/L**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Aroclor 1016	3.7	0.25	5.000	0	73.4	35.6	109			
Aroclor 1260	3.8	0.25	5.000	0	75.2	38.2	116			
Surr: Decachlorobiphenyl	1.7		2.500		66.4	24.8	102			
Surr: Tetrachloro-m-xylene	1.5		2.500		60.8	15.6	106			

Sample ID: **MB-47821**	SampType: **MBLK**	TestCode: **EPA Method 8082A: PCB's**
Client ID: **PBW**	Batch ID: **47821**	RunNo: **63410**
Prep Date: **9/30/2019**	Analysis Date: **10/3/2019**	SeqNo: **2165106** Units: **µg/L**

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

Qualifiers:

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

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: **1909E60**

21-Oct-19

Client: GHD

Project: Laguna Station 6

Sample ID: **MB-47821** SampType: **MBLK** TestCode: **EPA Method 8082A: PCB's**

Client ID: **PBW** Batch ID: **47821** RunNo: **63410**

Prep Date: **9/30/2019** Analysis Date: **10/3/2019** SeqNo: **2165106** Units: **µg/L**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Aroclor 1016	ND	0.25								
Aroclor 1221	ND	0.25								
Aroclor 1232	ND	0.25								
Aroclor 1242	ND	0.25								
Aroclor 1248	ND	0.25								
Aroclor 1254	ND	0.25								
Aroclor 1260	ND	0.25								
Surr: Decachlorobiphenyl	1.2		2.500		48.8	24.8	102			
Surr: Tetrachloro-m-xylene	1.1		2.500		43.2	15.6	106			

Sample ID: **MB-47821** SampType: **MBLK** TestCode: **EPA Method 8082A: PCB's**

Client ID: **PBW** Batch ID: **47821** RunNo: **63410**

Prep Date: **9/30/2019** Analysis Date: **10/3/2019** SeqNo: **2165139** Units: **µg/L**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Aroclor 1016	ND	0.25								
Aroclor 1221	ND	0.25								
Aroclor 1232	ND	0.25								
Aroclor 1242	ND	0.25								
Aroclor 1248	ND	0.25								
Aroclor 1254	ND	0.25								
Aroclor 1260	ND	0.25								
Surr: Decachlorobiphenyl	1.3		2.500		52.8	24.8	102			
Surr: Tetrachloro-m-xylene	1.2		2.500		47.6	15.6	106			

Sample ID: **LCS-47821** SampType: **LCS** TestCode: **EPA Method 8082A: PCB's**

Client ID: **LCSW** Batch ID: **47821** RunNo: **63410**

Prep Date: **9/30/2019** Analysis Date: **10/3/2019** SeqNo: **2165140** Units: **µg/L**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Aroclor 1016	2.7	0.25	5.000	0	53.6	35.6	109			
Aroclor 1260	2.6	0.25	5.000	0	52.8	38.2	116			
Surr: Decachlorobiphenyl	1.2		2.500		48.0	24.8	102			
Surr: Tetrachloro-m-xylene	1.1		2.500		42.8	15.6	106			

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 Limit
S	% Recovery outside of range due to dilution or matrix		

QC SUMMARY REPORT
Hall Environmental Analysis Laboratory, Inc.

WO#: **1909E60**
21-Oct-19

Client: GHD
Project: Laguna Station 6

Sample ID: **rb2**	SampType: **MBLK**	TestCode: **EPA Method 8260B: VOLATILES**
Client ID: **PBW**	Batch ID: **C63242**	RunNo: **63242**
Prep Date:	Analysis Date: **9/26/2019**	SeqNo: **2158224** 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.
D	Sample Diluted Due to Matrix
H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit
PQL	Practical Quanitative Limit
S	% Recovery outside of range due to dilution or matrix
B	Analyte detected in the associated Method Blank
E	Value above quantitation range
J	Analyte detected below quantitation limits
P	Sample pH Not In Range
RL	Reporting Limit

QC SUMMARY REPORT
Hall Environmental Analysis Laboratory, Inc.

WO#: **1909E60**
21-Oct-19

Client: GHD
Project: Laguna Station 6

Sample ID: **rb2** SampType: **MBLK** TestCode: **EPA Method 8260B: VOLATILES**
Client ID: **PBW** Batch ID: **C63242** RunNo: **63242**
Prep Date: Analysis Date: **9/26/2019** SeqNo: **2158224** 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		102	70	130			
Surr: 4-Bromofluorobenzene	8.7		10.00		87.0	70	130			
Surr: Dibromofluoromethane	11		10.00		108	70	130			
Surr: Toluene-d8	10		10.00		100	70	130			

Sample ID: **100ng lcs2** SampType: **LCS** TestCode: **EPA Method 8260B: VOLATILES**
Client ID: **LCSW** Batch ID: **C63242** RunNo: **63242**
Prep Date: Analysis Date: **9/26/2019** SeqNo: **2158225** Units: **µg/L**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	23	1.0	20.00	0	117	70	130			
Toluene	18	1.0	20.00	0	91.2	70	130			
Chlorobenzene	18	1.0	20.00	0	90.7	70	130			

Qualifiers:

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

QC SUMMARY REPORT
Hall Environmental Analysis Laboratory, Inc.

WO#: **1909E60**
21-Oct-19

Client: GHD
Project: Laguna Station 6

Sample ID: **100ng lcs2** SampType: **LCS** TestCode: **EPA Method 8260B: VOLATILES**
Client ID: **LCSW** Batch ID: **C63242** RunNo: **63242**
Prep Date: Analysis Date: **9/26/2019** SeqNo: **2158225** Units: **µg/L**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
1,1-Dichloroethene	18	1.0	20.00	0	91.1	70	130			
Trichloroethene (TCE)	18	1.0	20.00	0	90.7	70	130			
Surr: 1,2-Dichloroethane-d4	10		10.00		105	70	130			
Surr: 4-Bromofluorobenzene	8.2		10.00		82.3	70	130			
Surr: Dibromofluoromethane	10		10.00		101	70	130			
Surr: Toluene-d8	9.5		10.00		94.9	70	130			

Sample ID: **1909e60-001a ms2** SampType: **MS** TestCode: **EPA Method 8260B: VOLATILES**
Client ID: **GW-086241-092519-** Batch ID: **C63242** RunNo: **63242**
Prep Date: Analysis Date: **9/27/2019** SeqNo: **2158233** Units: **µg/L**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	24	1.0	20.00	0	121	70	130			
Toluene	19	1.0	20.00	0	94.2	70	130			
Chlorobenzene	19	1.0	20.00	0	92.6	70	130			
1,1-Dichloroethene	27	1.0	20.00	10.06	86.2	70	130			
Trichloroethene (TCE)	19	1.0	20.00	0	97.2	70	130			
Surr: 1,2-Dichloroethane-d4	11		10.00		107	70	130			
Surr: 4-Bromofluorobenzene	8.5		10.00		85.0	70	130			
Surr: Dibromofluoromethane	10		10.00		101	70	130			
Surr: Toluene-d8	9.6		10.00		96.3	70	130			

Sample ID: **1909e60-001a msd2** SampType: **MSD** TestCode: **EPA Method 8260B: VOLATILES**
Client ID: **GW-086241-092519-** Batch ID: **C63242** RunNo: **63242**
Prep Date: Analysis Date: **9/27/2019** SeqNo: **2158234** Units: **µg/L**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	24	1.0	20.00	0	119	70	130	1.65	20	
Toluene	18	1.0	20.00	0	91.2	70	130	3.20	20	
Chlorobenzene	18	1.0	20.00	0	90.7	70	130	2.15	20	
1,1-Dichloroethene	26	1.0	20.00	10.06	82.2	70	130	3.00	20	
Trichloroethene (TCE)	18	1.0	20.00	0	90.2	70	130	7.38	20	
Surr: 1,2-Dichloroethane-d4	11		10.00		110	70	130	0	0	
Surr: 4-Bromofluorobenzene	8.5		10.00		85.2	70	130	0	0	
Surr: Dibromofluoromethane	10		10.00		103	70	130	0	0	
Surr: Toluene-d8	9.8		10.00		98.3	70	130	0	0	

Qualifiers:

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

QC SUMMARY REPORT
Hall Environmental Analysis Laboratory, Inc.

WO#: **1909E60**
21-Oct-19

Client: GHD
Project: Laguna Station 6

Sample ID: **rb**	SampType: **MBLK**	TestCode: **EPA Method 8260B: VOLATILES**
Client ID: **PBW**	Batch ID: **A63291**	RunNo: **63291**
Prep Date:	Analysis Date: **9/27/2019**	SeqNo: **2159812** 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 Limit
S	% Recovery outside of range due to dilution or matrix		

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: **1909E60**

21-Oct-19

Client: GHD

Project: Laguna Station 6

Sample ID: **rb**	SampType: **MBLK**	TestCode: **EPA Method 8260B: VOLATILES**
Client ID: **PBW**	Batch ID: **A63291**	RunNo: **63291**
Prep Date:	Analysis Date: **9/27/2019**	SeqNo: **2159812** 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		105	70	130			
Surr: 4-Bromofluorobenzene	8.7		10.00		87.1	70	130			
Surr: Dibromofluoromethane	11		10.00		106	70	130			
Surr: Toluene-d8	9.9		10.00		98.7	70	130			

Sample ID: **100ng lcs**	SampType: **LCS**	TestCode: **EPA Method 8260B: VOLATILES**
Client ID: **LCSW**	Batch ID: **A63291**	RunNo: **63291**
Prep Date:	Analysis Date: **9/27/2019**	SeqNo: **2159824** Units: **µg/L**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	22	1.0	20.00	0	112	70	130			
Toluene	19	1.0	20.00	0	93.1	70	130			
Chlorobenzene	18	1.0	20.00	0	91.1	70	130			

Qualifiers:

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

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: **1909E60**

21-Oct-19

Client: GHD

Project: Laguna Station 6

Sample ID: **100ng lcs** SampType: **LCS** TestCode: **EPA Method 8260B: VOLATILES**

Client ID: **LCSW** Batch ID: **A63291** RunNo: **63291**

Prep Date: Analysis Date: **9/27/2019** SeqNo: **2159824** Units: **µg/L**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
1,1-Dichloroethene	17	1.0	20.00	0	86.4	70	130			
Trichloroethene (TCE)	17	1.0	20.00	0	86.6	70	130			
Surr: 1,2-Dichloroethane-d4	9.3		10.00		92.8	70	130			
Surr: 4-Bromofluorobenzene	8.6		10.00		85.9	70	130			
Surr: Dibromofluoromethane	9.7		10.00		96.7	70	130			
Surr: Toluene-d8	9.5		10.00		95.2	70	130			

Sample ID: **1909e60-007a ms** SampType: **MS** TestCode: **EPA Method 8260B: VOLATILES**

Client ID: **GW-086241-092519-** Batch ID: **A63291** RunNo: **63291**

Prep Date: Analysis Date: **9/28/2019** SeqNo: **2159854** Units: **µg/L**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	25	1.0	20.00	1.783	118	70	130			
Toluene	19	1.0	20.00	0	97.2	70	130			
Chlorobenzene	20	1.0	20.00	0	98.4	70	130			
1,1-Dichloroethene	35	1.0	20.00	17.30	88.0	70	130			
Trichloroethene (TCE)	19	1.0	20.00	0.9346	89.8	70	130			
Surr: 1,2-Dichloroethane-d4	11		10.00		111	70	130			
Surr: 4-Bromofluorobenzene	9.2		10.00		91.5	70	130			
Surr: Dibromofluoromethane	10		10.00		103	70	130			
Surr: Toluene-d8	10		10.00		104	70	130			

Sample ID: **1909e60-007a msd** SampType: **MSD** TestCode: **EPA Method 8260B: VOLATILES**

Client ID: **GW-086241-092519-** Batch ID: **A63291** RunNo: **63291**

Prep Date: Analysis Date: **9/28/2019** SeqNo: **2159855** Units: **µg/L**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	24	1.0	20.00	1.783	109	70	130	7.15	20	
Toluene	19	1.0	20.00	0	93.9	70	130	3.44	20	
Chlorobenzene	19	1.0	20.00	0	92.6	70	130	6.03	20	
1,1-Dichloroethene	32	1.0	20.00	17.30	74.8	70	130	7.90	20	
Trichloroethene (TCE)	18	1.0	20.00	0.9346	85.2	70	130	5.00	20	
Surr: 1,2-Dichloroethane-d4	11		10.00		109	70	130	0	0	
Surr: 4-Bromofluorobenzene	9.2		10.00		92.2	70	130	0	0	
Surr: Dibromofluoromethane	10		10.00		103	70	130	0	0	
Surr: Toluene-d8	10		10.00		103	70	130	0	0	

Qualifiers:

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

QC SUMMARY REPORT
Hall Environmental Analysis Laboratory, Inc.

WO#: **1909E60**
21-Oct-19

Client: GHD
Project: Laguna Station 6

Sample ID: **rb1**	SampType: **MBLK**	TestCode: **EPA Method 8260B: VOLATILES**
Client ID: **PBW**	Batch ID: **B63291**	RunNo: **63291**
Prep Date:	Analysis Date: **9/27/2019**	SeqNo: **2159873** 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 Limit
S	% Recovery outside of range due to dilution or matrix		

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: **1909E60**

21-Oct-19

Client: GHD

Project: Laguna Station 6

Sample ID: **rb1**	SampType: **MBLK**	TestCode: **EPA Method 8260B: VOLATILES**
Client ID: **PBW**	Batch ID: **B63291**	RunNo: **63291**
Prep Date:	Analysis Date: **9/27/2019**	SeqNo: **2159873** 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	11		10.00		108	70	130			
Surr: 4-Bromofluorobenzene	9.4		10.00		93.6	70	130			
Surr: Dibromofluoromethane	11		10.00		108	70	130			
Surr: Toluene-d8	11		10.00		106	70	130			

Sample ID: **100ng lcs2**	SampType: **LCS**	TestCode: **EPA Method 8260B: VOLATILES**
Client ID: **LCSW**	Batch ID: **B63291**	RunNo: **63291**
Prep Date:	Analysis Date: **9/27/2019**	SeqNo: **2159874** Units: **µg/L**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	22	1.0	20.00	0	112	70	130			
Toluene	19	1.0	20.00	0	96.2	70	130			
Chlorobenzene	19	1.0	20.00	0	95.7	70	130			

Qualifiers:

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

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: **1909E60**

21-Oct-19

Client: GHD

Project: Laguna Station 6

Sample ID: **100ng lcs2** SampType: **LCS** TestCode: **EPA Method 8260B: VOLATILES**

Client ID: **LCSW** Batch ID: **B63291** RunNo: **63291**

Prep Date: Analysis Date: **9/27/2019** SeqNo: **2159874** Units: **µg/L**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
1,1-Dichloroethene	17	1.0	20.00	0	86.1	70	130			
Trichloroethene (TCE)	18	1.0	20.00	0	88.8	70	130			
Surr: 1,2-Dichloroethane-d4	11		10.00		109	70	130			
Surr: 4-Bromofluorobenzene	9.4		10.00		93.6	70	130			
Surr: Dibromofluoromethane	10		10.00		102	70	130			
Surr: Toluene-d8	10		10.00		103	70	130			

Sample ID: **1909e60-027a ms2** SampType: **MS** TestCode: **EPA Method 8260B: VOLATILES**

Client ID: **GW-086241-092519-** Batch ID: **B63291** RunNo: **63291**

Prep Date: Analysis Date: **9/28/2019** SeqNo: **2159879** Units: **µg/L**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	25	1.0	20.00	1.773	114	70	130			
Toluene	19	1.0	20.00	0	97.3	70	130			
Chlorobenzene	19	1.0	20.00	0	94.6	70	130			
1,1-Dichloroethene	33	1.0	20.00	17.05	79.6	70	130			
Trichloroethene (TCE)	18	1.0	20.00	0.8746	86.6	70	130			
Surr: 1,2-Dichloroethane-d4	11		10.00		108	70	130			
Surr: 4-Bromofluorobenzene	8.5		10.00		84.6	70	130			
Surr: Dibromofluoromethane	10		10.00		101	70	130			
Surr: Toluene-d8	10		10.00		101	70	130			

Sample ID: **1909e60-027a msd2** SampType: **MSD** TestCode: **EPA Method 8260B: VOLATILES**

Client ID: **GW-086241-092519-** Batch ID: **B63291** RunNo: **63291**

Prep Date: Analysis Date: **9/28/2019** SeqNo: **2159880** Units: **µg/L**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	24	1.0	20.00	1.773	110	70	130	3.44	20	
Toluene	19	1.0	20.00	0	94.2	70	130	3.27	20	
Chlorobenzene	19	1.0	20.00	0	92.5	70	130	2.18	20	
1,1-Dichloroethene	32	1.0	20.00	17.05	77.1	70	130	1.55	20	
Trichloroethene (TCE)	17	1.0	20.00	0.8746	82.3	70	130	4.85	20	
Surr: 1,2-Dichloroethane-d4	11		10.00		108	70	130	0	0	
Surr: 4-Bromofluorobenzene	8.3		10.00		83.2	70	130	0	0	
Surr: Dibromofluoromethane	9.9		10.00		99.4	70	130	0	0	
Surr: Toluene-d8	10		10.00		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 Limit
S	% Recovery outside of range due to dilution or matrix		

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: **1909E60**

21-Oct-19

Client: GHD

Project: Laguna Station 6

Sample ID: **rb**	SampType: **MBLK**	TestCode: **EPA Method 8260B: VOLATILES**
Client ID: **PBW**	Batch ID: **R63315**	RunNo: **63315**
Prep Date:	Analysis Date: **9/30/2019**	SeqNo: **2160803** Units: **µg/L**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Acetone	ND	10								
2-Butanone	ND	10								
Surr: 1,2-Dichloroethane-d4	9.9		10.00		98.5	70	130			
Surr: 4-Bromofluorobenzene	9.3		10.00		92.9	70	130			
Surr: Dibromofluoromethane	9.7		10.00		97.2	70	130			
Surr: Toluene-d8	10		10.00		105	70	130			

Sample ID: **100ng lcs**	SampType: **LCS**	TestCode: **EPA Method 8260B: VOLATILES**
Client ID: **LCSW**	Batch ID: **R63315**	RunNo: **63315**
Prep Date:	Analysis Date: **9/30/2019**	SeqNo: **2160804** Units: **%Rec**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: 1,2-Dichloroethane-d4	9.1		10.00		90.8	70	130			
Surr: 4-Bromofluorobenzene	9.5		10.00		94.7	70	130			
Surr: Dibromofluoromethane	9.2		10.00		92.2	70	130			
Surr: Toluene-d8	10		10.00		101	70	130			

Qualifiers:

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

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: **1909E60**

21-Oct-19

Client: GHD

Project: Laguna Station 6

Sample ID: **MB**	SampType: **MBLK**	TestCode: **EPA Method 9060 TOC**							
Client ID: **PBW**	Batch ID: **A63487**	RunNo: **63487**							
Prep Date:	Analysis Date: **10/5/2019**	SeqNo: **2169103**	Units: **mg/L**						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Total Organic Carbon	ND	1.0								

Sample ID: **LCS ST9060-19010**	SampType: **LCS**	TestCode: **EPA Method 9060 TOC**							
Client ID: **LCSW**	Batch ID: **A63487**	RunNo: **63487**							
Prep Date:	Analysis Date: **10/5/2019**	SeqNo: **2169104**	Units: **mg/L**						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Total Organic Carbon	5.0	1.0	4.850	0	104	90	110			

Sample ID: **MB**	SampType: **MBLK**	TestCode: **EPA Method 9060 TOC**							
Client ID: **PBW**	Batch ID: **A63704**	RunNo: **63704**							
Prep Date:	Analysis Date: **10/14/2019**	SeqNo: **2176680**	Units: **mg/L**						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Total Organic Carbon	ND	1.0								

Sample ID: **LCS ST9060-19010 a**	SampType: **LCS**	TestCode: **EPA Method 9060 TOC**							
Client ID: **LCSW**	Batch ID: **A63704**	RunNo: **63704**							
Prep Date:	Analysis Date: **10/15/2019**	SeqNo: **2176747**	Units: **mg/L**						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Total Organic Carbon	4.8	1.0	4.850	0	98.1	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 Limit
S	% Recovery outside of range due to dilution or matrix		

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: **1909E60** RcptNo: **1**

Received By: **Yazmine Garduno** **9/25/2019 2:45:00 PM**

Completed By: **Desiree Dominguez** **9/25/2019 4:06:55 PM**

Reviewed By: 09/26/19

Chain of Custody

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

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 ☑

    # of preserved bottles checked for pH: 9 (<2 or >12 unless noted)
    Adjusted? NO
    Checked by: IO 9/26/19 DAD 9/26/19

11. Does paperwork match bottle labels? (Note discrepancies on chain of custody) Yes ☑ No ☐
12. Are matrices correctly identified on Chain of Custody? Yes ☑ No ☐
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 ☐

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	18.3	Good	Not Present			
2	5.74	Good	Not Present			
3	8.4	Good	Not Present			

Chain-of-Custody Record

Client: GHD

Mailing Address: 6121 Indian School #200 ABQ NM 87110

Phone #: 505-884-0672

email or Fax#: Christine.Matteos@ghd.com

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

Accreditation: ☐ Az Compliance
☐ NELAC ☐ Other

☐ EDD (Type)

Turn-Around Time:
☒ Standard ☐ Rush

Project Name: Laguna Station 6

Project #: 086241

Project Manager: C. Matteos

Sampler: C. Matteos & C. Neligh

On Ice: ☒ Yes ☐ No

# of Coolers: 3

Cooler Temp (including CF): 3.8 (-0.1) = 3.7 (°C)

HEAL No. 1909E60

Date	Time	Matrix	Sample Name	Container Type and #	Preservative Type	HEAL No.	BTEX / MTBE / TMB's (8021)	TPH:8015D(GRO / DRO / MRO)	8081 Pesticides/8082 PCB's	EDB (Method 504.1)	PAHs by 8310 or 8270SIMS	RCRA 8 Metals	Cl, F, Br, NO_3, NO_2, PO_4, SO_4	8260 (VOA)	8270 (Semi-VOA)	Total Coliform (Present/Absent)	Total Organic Carbon
9/25/19	0910	H_2O	GW-086241-092519-CM-6-07	3 VOAs	HCl	-001								X			
9/25/19	1310	H_2O	GW-086241-092519-CM-6-08	3 VOAs	HCl	-002								X			
9/25/19	0945	H_2O	GW-086241-092519-CM-6-09	various	various	-003			X				X	X			X
9/25/19	1225	H_2O	GW-086241-092519-CM-6-10	3 VOAs 1 amber	HCl none	-004			X					X			
9/25/19	1210	H_2O	GW-086241-092519-CM-6-12	3 VOAs 1 amber	HCl none	-005			X					X			
9/25/19	0920	H_2O	GW-086241-092519-CM-6-13	various	various	-006			X				X	X			X
9/25/19	1110	H_2O	GW-086241-092519-CM-6-14	various	various	-007			X				X	X			X
9/25/19	1240	H_2O	GW-086241-092519-CM-6-15	3 VOAs 1 amber	HCl none	-008			X					X			
9/24/19	1405	H_2O	GW-086241-092419-CM-6-16	3 VOAs 1 amber	HCl none	-009			X					X			
9/24/19	1215	H_2O	GW-086241-092419-CM-6-18	3 VOAs 1 amber	HCl none	-010			X					X			
9/25/19	0645	H_2O	GW-086241-092519-CM-6-19	3 VOAs	HCl	-011								X			
9/25/19	1155	H_2O	GW-086241-092519-CM-6-20B	3 VOAs	HCl	-012								X			

Date:	Time:	Relinquished by:	Received by:	Via:	Date	Time
9/25/19	1445	[signature]/GHD	[signature]	CDU	9/25/19	1445

Remarks:

HALL ENVIRONMENTAL ANALYSIS LABORATORY
www.hallenvironmental.com
4901 Hawkins NE - Albuquerque, NM 87109
Tel. 505-345-3975 Fax 505-345-4107

Analysis Request

Chain-of-Custody Record

Client: GHD

Mailing Address: 6121 Indian School Rd #200 ABQ NM 87110

Phone #: 505-269-0088

email or Fax#: christine.matheus@ghd.com

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

Accreditation: ☐ Az Compliance
☐ NELAC ☐ Other

☐ EDD (Type)

Turn-Around Time:
☒ Standard ☐ Rush

Project Name: Laguna Station 6

Project #: 086241

Project Manager: C. Matheus

Sampler: C. Matheus C. Nelson

On Ice: ☒ Yes ☐ No

# of Coolers: 3

Cooler Temp(including CF): Runners (°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 Name	Container Type and #	Preservative Type	HEAL No. 1909E60	BTEX / MTBE / TMB's (8021)	TPH:8015D(GRO / DRO / MRO)	8081 Pesticides/8082 PCB's	EDB (Method 504.1)	PAHs by 8310 or 8270SIMS	RCRA 8 Metals	Cl, F, Br, NO_3, NO_2, PO_4, SO_4	8260 (VOA)	8270 (Semi-VOA)	Total Coliform (Present/Absent)	Total Organic Carbon
9/25/19	1205	H_2O	GW-086241-092519-CM-6-20C	3 voas 1 amber	HCl none	-013			X				X	X			
9/25/19	1000	H_2O	GW-086241-092519-CM-6-21B	various	various	-014			X				X	X			X
9/25/19	1010	H_2O	GW-086241-092519-CM-6-21C	various	various	-015			X				X	X			X
9/25/19	1040	H_2O	GW-086241-092519-CM-6-22B	various	various	-016			X				X	X			X
9/25/19	1050	H_2O	GW-086241-092519-CM-6-22C	various	various	-017			X				X	X			X
9/25/19	0855	H_2O	GW-086241-092519-CM-6-36	3 voas	HCl	-018								X			
9/25/19	1140	H_2O	GW-086241-092519-CM-6-40	various	various	-019			X				X	X			X
9/25/19	1250	H_2O	GW-086241-092519-CM-6-41	3 voas 1 amber	HCl none	-020			X					X			
9/25/19	1320	H_2O	GW-086241-092519-CM-6-42	3 voas	HCl	-021								X			
9/25/19	0900	H_2O	GW-086241-092519-CM-6-44	3 voas	HCl	-022								X			
9/24/19	1345	H_2O	GW-086241-092419-CM-6-45	3 voas	HCl	-023								X			
9/24/19	1335	H_2O	GW-086241-092419-CM-6-46	3 voas	HCl	-024								X			

Date:	Time:	Relinquished by:	Received by:	Via:	Date	Time
9/25/19	1445	[signature] / GHD	[signature]	CDU	9/25/19	1445

Remarks:
18.4 - 0.1 = 18.3
5.8 - 0.1 = 5.7
8.5 - 0.1 = 8.4

Chain-of-Custody Record

Client: GHD

Mailing Address: 6121 Indian School #200 ABQ NM 87110

Phone #: 505-884-0672

email or Fax#: christine.matthews@ghd.com

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

Accreditation: ☐ Az Compliance
☐ NELAC ☐ Other

☐ EDD (Type)

Turn-Around Time:
☒ Standard ☐ Rush

Project Name: Laguna Station 6

Project #: 086241

Project Manager: C. Matthews

Sampler: C. Matthews C. Nelson

On Ice: ☒ Yes ☐ No

# of Coolers: 1 3

Cooler Temp(including CF): Remarks (°C)

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4901 Hawkins NE - Albuquerque, NM 87109

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

Analysis Request

Date	Time	Matrix	Sample Name	Container Type and #	Preservative Type	HEAL No. 1909E60	BTEX / MTBE / TMB's (8021)	TPH:8015D(GRO / DRO / MRO)	8081 Pesticides/8082 PCB's	EDB (Method 504.1)	PAHs by 8310 or 8270SIMS	RCRA 8 Metals	Cl, F, Br, NO_3, NO_2, PO_4, SO_4	8260 (VOA)	8270 (Semi-VOA)	Total Coliform (Present/Absent)	Total Organic Carbon
9/24/19	1325	H_2O	GW-086241-092419-CM-6-47	3 voas	HCl	-025								X			
9/25/19	1025	H_2O	GW-086241-092519-CM-6-54	various	various	-026							X	X			X
9/25/19	—	H_2O	GW-086241-092519-CM-DUP	3 voas	HCl	-027								X			

Date:	Time:	Relinquished by:	Received by:	Via:	Date	Time
9/25/19	1445	[signature] GHD	[signature]	CDO	9/25/19	1445

Remarks:
18.4 -0.1 = 18.3
5.8 -0.1 8.7
8.5 -0.1 8.4

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.

about GHD

GHD is one of the world's leading professional services companies operating in the global markets of water, energy and resources, environment, property and buildings, and transportation. We provide engineering, environmental, and construction services to private and public sector clients.

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