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June 24, 2016

William Jones
New Mexico Oil Conservation Division
1220 S. St. Francis Drive
Santa Fe, New Mexico 87505

Via electronic mail with delivery confirmation receipt to: williamv.jones@state.nm.us

RE: Remedial Progress Report, Thriftway Refinery (NMOCD AP-116)
626 County Road 5500, Bloomfield, New Mexico

Dear Mr. Jones:

BioTech Remediation, Inc (BioTech), on behalf of Thriftway Company (Thriftway), has completed this periodic Remedial Progress Report for the Thriftway Refinery, located at 626 County Road 5500, Bloomfield, New Mexico. This report summarizes groundwater monitoring and sampling events, which were completed in June 2015 and February 2016, and soil and groundwater remediation activities completed between June and October 2015.

Facility Description

The facility was constructed in the 1960s and processed San Juan Basin crude oil until the early 1990s. Most of the facility infrastructure has been dismantled and removed from the site. Since March 2010, a multi-phase high vacuum extraction (MPE) remediation system has operated at the facility during non-winter months to remove hydrocarbon vapors from the soil, free-phase product from the soil and groundwater, and dissolved-phase hydrocarbons from the groundwater. A general site plan is included as **Figure 1**.

Groundwater Monitoring, June 2015 and February 2016

BioTech personnel completed groundwater monitoring on June 17, 18, and 29, 2015 of the following groundwater monitor wells and MPE wells:

Monitor Wells Measured on June 17, 18, and 29, 2015

TW-1	TW-2	TW-3	TW-4	TW-5	TW-6	TW-7*	TW-8	TW-9	TW-10
TW-11	TW-12*	TW-13*	TW-14*	TW-15	TW-16	TW-17	TW-18	TW-19	TW-20*
TW-21	TW-22	TW-23	TW-24	TW-25*	TW-26*	TW-28*	TW-29	TW-30	TW-31
TW-32*	TW-33*	TW-34	TW-35*	TW-36	TW-37	TW-38	TW-39	TW-40*	TW-41
TW-42	TW-43	TW-44*	TW-45	TW-46	TW-47	TW-48	TW-49	TW-50*	TW-51
TW-52	TW-53	TW-54	MW-5	MW-7	MW-20	MW-21			

* Indicates Well Containing Free-Phase Product

Monitor Wells Measured on February 15, 16, 19, 22, 23, 25, 26, 2016

TW-1	TW-2	TW-3	TW-4	TW-5	TW-6	TW-7*	TW-8	TW-9	TW-10
TW-11	TW-12*	TW-13*	TW-14*	TW-15	TW-16	TW-17	TW-18	TW-19*	TW-20*
TW-21*	TW-22	TW-23	TW-24	TW-25*	TW-26*	TW-28*	TW-29	TW-30	TW-31
TW-32*	TW-33*	TW-34	TW-35*	TW-36	TW-37	TW-38	TW-39	TW-40*	TW-41
TW-42	TW-43	TW-44*	TW-45	TW-46	TW-47	TW-48	TW-49	TW-50*	TW-51
TW-52	TW-53	TW-54	MW-4	MW-5	MW-6	MW-7	MW-9	MW-10	MW-12*
MW-13	MW-16	MW-17	MW-18	MW-19	MW-20	MW-21	MW-23	MW-25	MW-27
RW-24*	RW-25*								

* Indicates Well Containing Free-Phase Product

MPE Wells Measured on June 17, 18, 29, 2015 and February 15, 16, 19, 22, 23, 25, 26, 2016

MPE-1	MPE-2*	MPE-3	MPE-4	MPE-5*	MPE-6*	MPE-7*	MPE-8	MPE-9
MPE-10	MPE-11	MPE-12	MPE-13	MPE-14	MPE-16	MPE-17*	MPE-18	MPE-19
MPE-20	MPE-21*	MPE-22*	MPE-23*	MPE-24*	MPE-25	MPE-26*	MPE-27	MPE-28
MPE-29	MPE-30	MPE-31*	MPE-32*	MPE-33*	MPE-34*	MPE-35*	MPE-36*	MPE-38
MPE-39	MPE-40	MPE-41	MPE-42*	MPE-43*	MPE-44*	MPE-45*	MPE-46*	MPE-47*
MPE-48	MPE-49	MPE-50*	MPE-51*	MPE-52*	MPE-53*	MPE-54*	MPE-55*	MPE-56
MPE-57	MPE-58	MPE-59	MPE-60	MPE-61	MPE-62	MPE-63*	MPE-64*	MPE-65*
MPE-66*	MPE-67*	MPE-68*	MPE-69	MPE-70*	MPE-71*	MPE-72*	MPE-73*	MPE-74*
MPE-75*	MPE-76*	MPE-77*	MPE-78	MPE-79	MPE-80	MPE-81*	MPE-82	MPE-83*
MPE-84*	MPE-85*	MPE-86	MPE-87*	MPE-88*	MPE-89*	MPE-90*		

* Indicates Well Containing Free-Phase Product

Free-Phase Product Thickness Measurements

Measurable thicknesses of free-phase product were recorded in 14 monitor wells and 50 MPE wells during the June 2015 monitoring event. During the February 2016 monitoring event, free-phase product was measured in 19 monitor wells and 50 MPE wells. It should be noted that 57 monitor wells were measured in June 2015 and 72 monitor wells were measured in February 2016. All MPE wells were measured during both events.

During both measurement events, free-phase product thicknesses were similar and ranged from 0.02 to 1.06 feet, with most thicknesses being less than 0.50 feet. Free-phase product measurement data is summarized in **Table 1** and a free-phase product thickness contour map, based on the February 2016 data, is included as **Figure 2**.

Groundwater Elevation Measurements

Depth to groundwater measurements at the site varied little between the June 2015 and February 2016 monitoring events. In the southeast portion of the site, depth to groundwater ranged from 28 feet below top of casing (TOC) to 31 feet below TOC, and groundwater elevations across this area ranged from 5439.00 to 5440.00 feet above mean sea level (AMSL). In the northwest portion of the site, depth to groundwater ranged between 4 and 5 feet below

TOC, and groundwater elevations across this area ranged from 5423.00 to 5424.00 feet AMSL. Groundwater gradient measured between the southeast and northwest portions of the site is approximately 0.007 ft/ft. Groundwater elevation measurement data is summarized in **Table 1** and a groundwater elevation contour map, based on the February 2016 data, is included as **Figure 3**.

Groundwater Quality Measurements

Following measurement of groundwater elevations, each well was purged with a new disposable bailer and the temperature, pH, and conductivity measurements observed during the purging, along with the purged volumes, were recorded onto Water Sample Collection Forms, which are included in **Appendix A**.

Groundwater temperature ranged between 7.70°C and 17.93°C, conductivity ranged between 2.154 mS and 8.811 mS, and pH varied between 6.99 and 7.72. Groundwater quality data are included in **Table 1**.

Groundwater Sampling and Analytical Results

Once each well was purged and measured for water quality parameters, groundwater samples were collected using a disposable bailer equipped with a slow release valve. Each sample was transferred into appropriate sample containers, labeled, and documented on the Water Sample Collection Form. The Chain of Custody Record was completed, and samples were transported to the analyzing laboratory, Hall Environmental Laboratory, Albuquerque, New Mexico, in insulated coolers at a temperature of less than 6°C. Analytical laboratory reports are included in **Appendix B**.

During the June 2015 sampling event, samples from 21 monitoring wells were analyzed for all or a portion of the following parameters:

- Gasoline, Diesel, and Motor Oil Range Hydrocarbons per EPA Method 8015
- Volatile Organic Compounds per EPA Method 8260
- Anions per EPA Method 300.0
- Total Dissolved Solids per SM2540C
- Hardness per SM2340B
- Specific Conductance per SM2510B
- Mercury per EPA Method 7470
- Dissolved Metals per EPA Method 6010B
- Total Recoverable Metals per EPA Method 6010B

During the February 2016 event, samples from 50 monitor wells were analyzed for the following parameters:

- Gasoline, Diesel, and Motor Oil Range Hydrocarbons per EPA Method 8015
- Volatile Organic Compounds per EPA Method 8260
- PAHs per EPA Method 8270C
- Anions per EPA Method 300.0
- Total Dissolved Solids per SM2540C
- Alkalinity per SM2320B
- Specific Conductance per SM2510B
- Mercury per EPA Method 7470
- Dissolved Metals per EPA Method 6010B
- Total Recoverable Metals per EPA Method 6010B

Analytical results of groundwater samples collected during the June 2015 and February 2016 sampling events are similar in respective concentration. Dissolved-phase benzene concentrations from the February 2016 sampling event that exceed the cleanup standard (10 µg/L) were detected in two monitor wells (TW-37 at 130 µg/L and TW-41 at 25 µg/L), which are located outside of the free-phase product plume. Dissolved-phase methyl-tert-butyl ether (MTBE) concentrations from the February 2016 sampling event that exceed the cleanup standard (100 µg/L) were detected in four monitor wells (MW-19 at 130 µg/L, MW-20 at 110 µg/L, TW-43 at 380 µg/L and TW-51 at 210 µg/L), which are all located outside of the free-phase product plume. All other hydrocarbon contaminants analyzed were below the laboratory method detection limit or below the cleanup standard. Hydrocarbon contaminant concentration data is summarized in **Table 2 and Table 3**. Dissolved benzene and MTBE concentration contour maps, based on the February 2016 data, are included as **Figure 4 and Figure 5**, respectively.

Chloride, sulfate and total dissolved solids (TDS) concentration for both the June 2015 and February 2016 sampling events are consistent with historic (greater than 20 years) sampling data. Concentrations for each increase across the site as monitor well locations approach the Kutz Wash, and salt precipitates at the ground surface are present along the entire north boundary of the facility along the wash. Utilizing TW-1, which is located in the southeast corner of the facility where no refinery activity is known to have occurred, to establish background or natural concentrations, it is apparent that a significant portion, if not all, of the concentrations of chloride, sulfate and TDS are naturally occurring. Chloride concentrations across the site range from 13 mg/L in TW-1 up to 1,100 mg/L in TW-47. Sulfate concentrations range from 680 mg/L in TW-29 to 4,100 in TW-11. TDS ranges between 1,430 mg/L in TW-9 up to 8,450 mg/L in TW-47. A summary of dissolved cations, specific conductance, hardness, and TDS concentrations are included as **Table 4**.

Dissolved metals: calcium, lead, magnesium, potassium, and sodium concentrations reported for the February 2016 sampling event are consistent with historic concentration data. Calcium concentrations across the site range from 100 mg/L in TW-29 up to 520 mg/L in TW-24. Lead concentrations were all below the laboratory method detection limit of 0.0050 mg/L. Magnesium concentrations across the site range from 24 mg/L in TW-16 up to 98 mg/L in TW-47. Potassium concentration ranged from 2.2 mg/L in TW-9 up to 21 mg/L in TW-3. Sodium concentrations ranged from 270 mg/L in TW-1 up to 2,400 mg/L in TW-47. There are no established cleanup standards for these metals. Dissolved metals concentrations are summarized in **Table 5**.

Total metals concentrations from the February 2016 sampling event that exceed the cleanup standard include: 19 samples that exceed the standard for arsenic (0.10 mg/L) with concentrations ranging from 0.10 mg/L in MW-13 up to 1.10 mg/L in TW-54; 6 samples that exceed the standard for barium (1.0 mg/L) with concentrations ranging from 1.3 mg/L in TW-1 up to 3.4 mg/L in TW-48; 7 samples that exceed the standard for chromium (0.05 mg/L) with concentrations ranging from 0.054 in TW-30 mg/L up to 0.15 mg/L in TW-3; and 4 samples that exceed the standard for lead (0.05 mg/L) with concentrations ranging from 0.054 mg/L in MW-17 up to 0.12 mg/L in both TW-48 and MW-19. Total metals concentration data is summarized in **Table 6**.

Remediation Activities

Between June 2 and October 28, 2015, the MPE system was operated at the site. Due to freezing ambient air conditions, the remediation system is not operated during the winter and spring months. During the 2015 operational period, the equipment operated on MPE wells 73,74,75, 83,84,85,86,87, 88, 89 and TW-13, TW-20, RW-24, and RW-25. Approximately 546 gallons of free-phase product was recovered. Due to the weathered nature of the free-phase product and the minimal existence of soil vapors in the area of operation, extraction of additional hydrocarbon mass was not measurable. An MPE well network map is included as **Figure 6**.

Scheduled Work

During the summer and fall of 2016, two MPE units will be operated at the site. The next groundwater monitoring and sampling event is scheduled for August 2016.

If you have any questions regarding site conditions, planned site work, or this report, please do not hesitate to contact me at (505) 327-4965.

Sincerely,

Ross Kennemer
Project Manager

Attachments:

Tables

Table 1. Summary of Groundwater Measurement and Water Quality Data
Table 2. Summary of Groundwater Analytical Results, VOCs and TPH
Table 3. Summary of Groundwater Analytical Results, PAHs
Table 4. Summary of Groundwater Analytical Results, Cations, SC, and TDS
Table 5. Summary of Groundwater Analytical Results, Dissolved Metals
Table 6. Summary of Groundwater Analytical Results, Total Metals

Figures

Figure 1. General Site Plan
Figure 2. Free-Phase Product Thickness Contour Map, February 2016
Figure 3. Groundwater Elevation Contour Map, February 2016
Figure 4. Dissolved Benzene Concentration Contour Map, February 2016
Figure 5. Dissolved MTBE Concentration Contour Map, February 2016
Figure 6. MPE Well Network Map, February 2016

Appendices

Appendix A. Water Sample Collection Forms
Appendix B. Hall Analytical Report

cc: Robert Moss, Thriftway Company
Via electronic mail with delivery confirmation receipt to:
robertgmoss@me.com

TABLES

TABLE 1
SUMMARY OF GROUNDWATER MEASUREMENTS AND WATER QUALITY DATA
Thriftway Refinery, 626 CR 5500, Bloomfield, New Mexico

Well ID	Date	T.O.C. (ft amsl)	Depth to Product (ft)	Depth to Water (ft)	NAPL Thickness (ft)	Corrected GW (ft)	pH	Conductivity (mS)	Temp. (°C)	ORP (mV)	Purge Volume (gallons)
TW-1	14-Feb-14	5471.58		31.27		5440.31	NM	NM	NM	NM	NM
	21-May-14	5471.58		31.06		5440.52	NM	NM	NM	NM	NM
	05-Aug-14	5471.58		31.52		5440.06	NM	NM	NM	NM	NM
	05-Dec-14	5471.58		31.55		5440.03	NM	NM	NM	NM	NM
	13-Apr-15	5471.58		31.25		5440.33	NM	NM	NM	NM	NM
	17-Jun-15	**5471.58**		**31.09**		**5440.49**	**NM**	**NM**	**NM**	**NM**	**NM**
	16-Feb-16	**5471.58**		**31.58**		**5440.00**	**7.51**	**2.654**	**14.66**	**-31.8**	**2**
TW-2	14-Feb-14	5469.31		29.49		5439.82	NM	NM	NM	NM	NM
	21-May-14	5469.31		29.30		5440.01	NM	NM	NM	NM	NM
	05-Aug-14	5469.31		29.72		5439.59	NM	NM	NM	NM	NM
	05-Dec-14	5469.31		29.79		5439.52	NM	NM	NM	NM	NM
	13-Apr-15	5469.31		29.48		5439.83	NM	NM	NM	NM	NM
	17-Jun-15	**5469.31**		**29.32**		**5439.99**	**NM**	**NM**	**NM**	**NM**	**NM**
	16-Feb-16	**5469.31**		**29.78**		**5439.53**	**7.41**	**4.327**	**15.73**	**-26.6**	**4**
TW-3	14-Feb-14	5468.14		NM	NOT MEASURED - ROOT GROWTH AT 28'						
	21-May-14	5468.14		NM	NOT MEASURED - ROOT GROWTH AT 28'						
	05-Aug-14	5468.14		DRY			NM	NM	NM	NM	NM
	05-Dec-14	5468.14		30.00		5438.14	NM	NM	NM	NM	NM
	13-Apr-15	5468.14		NM	NOT MEASURED - ROOT GROWTH AT 28'						
	17-Jun-15	**5468.14**		**NM**	**NOT MEASURED - ROOT GROWTH AT 28'**						
	26-Feb-16	**5468.14**		**28.23**		**5439.91**	**7.41**	**5.915**	**15.79**	**-32.1**	**4**
TW-4	14-Feb-14	5458.72		19.60		5439.12	NM	NM	NM	NM	NM
	21-May-14	5458.72		19.43		5439.29	NM	NM	NM	NM	NM
	05-Aug-14	5458.72		19.90		5438.82	NM	NM	NM	NM	NM
	05-Dec-14	5458.72		19.92		5438.80	NM	NM	NM	NM	NM
	13-Apr-15	5458.72		19.58		5439.14	NM	NM	NM	NM	NM
	17-Jun-15	**5458.72**		**19.48**		**5439.24**	**NM**	**NM**	**NM**	**NM**	**NM**
	16-Feb-16	**5458.72**		**19.87**		**5438.85**	**7.48**	**6.123**	**17.93**	**-30.3**	**4**

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Thriftway Refinery, 626 CR 5500, Bloomfield, New Mexico

Well ID	Date	T.O.C. (ft amsl)	Depth to Product (ft)	Depth to Water (ft)	NAPL Thickness (ft)	Corrected GW (ft)	pH	Conductivity (mS)	Temp. (°C)	ORP (mV)	Purge Volume (gallons)
TW-5	14-Feb-14	5465.18		26.04		5439.14	NM	NM	NM	NM	NM
	21-May-14	5465.18		25.86		5439.32	NM	NM	NM	NM	NM
	05-Aug-14	5465.18		26.28		5438.90	NM	NM	NM	NM	NM
	05-Dec-14	5465.18		28.36		5436.82	NM	NM	NM	NM	NM
	13-Apr-15	5465.18		26.04		5439.14	NM	NM	NM	NM	NM
	17-Jun-15	**5465.18**		**25.90**		**5439.28**	**NM**	**NM**	**NM**	**NM**	**NM**
	16-Feb-16	**5465.18**		**26.31**		**5438.87**	**7.41**	**3.260**	**16.07**	**-26.4**	**4**
TW-6	14-Feb-14	5463.57		25.22		5438.35	NM	NM	NM	NM	NM
	21-May-14	5463.57		25.05		5438.52	NM	NM	NM	NM	NM
	05-Aug-14	5463.57		25.46		5438.11	NM	NM	NM	NM	NM
	05-Dec-14	5463.57		25.54		5438.03	NM	NM	NM	NM	NM
	13-Apr-15	5463.57		25.22		5438.35	NM	NM	NM	NM	NM
	17-Jun-15	**5463.57**		**25.11**		**5438.46**	**NM**	**NM**	**NM**	**NM**	**NM**
	16-Feb-16	**5463.57**		**25.44**		**5438.13**	**7.44**	**4.434**	**16.20**	**-30.4**	**4**
TW-7	14-Feb-14	5461.17	22.62	22.85	0.23	5438.51	NM	NM	NM	NM	NM
	21-May-14	5461.17	22.43	22.80	0.37	5438.68	NM	NM	NM	NM	NM
	05-Aug-14	5461.17	22.69	23.77	1.08	5438.29	NM	NM	NM	NM	NM
	10-Dec-14	5461.17	22.72	23.95	1.23	5438.24	NM	NM	NM	NM	NM
	13-Apr-15	5461.17	22.51	23.20	0.69	5438.54	NM	NM	NM	NM	NM
	17-Jun-15	**5461.17**	**22.45**	**23.01**	**0.56**	**5438.62**	**NM**	**NM**	**NM**	**NM**	**NM**
	16-Feb-16	**5461.17**	**22.70**	**23.76**	**1.06**	**5438.29**	**NM**	**NM**	**NM**	**NM**	**NM**
TW-8	14-Feb-14	5458.29		20.04		5438.25	NM	NM	NM	NM	NM
	29-May-14	5458.29		19.96		5438.33	7.58	2.000	12.12	64.4	3.7
	05-Aug-14	5458.29		20.48		5437.81	NM	NM	NM	NM	NM
	10-Dec-14	5458.29		20.41		5437.88	7.50	4.124	11.14	252.7	3
	13-Apr-15	5458.29		20.03		5438.26	NM	NM	NM	NM	NM
	17-Jun-15	**5458.29**		**20.03**		**5438.26**	**NM**	**NM**	**NM**	**NM**	**NM**
	16-Feb-16	**5458.29**		**20.30**		**5437.99**	**7.15**	**4.318**	**14.29**	**-11.7**	**4**

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Well ID	Date	T.O.C. (ft amsl)	Depth to Product (ft)	Depth to Water (ft)	NAPL Thickness (ft)	Corrected GW (ft)	pH	Conductivity (mS)	Temp. (°C)	ORP (mV)	Purge Volume (gallons)
TW-9	14-Feb-14	5450.61		12.46		5438.15	NM	NM	NM	NM	NM
	29-May-14	5450.61		12.51		5438.10	NM	NM	NM	NM	NM
	05-Aug-14	5450.61		13.13		5437.48	NM	NM	NM	NM	NM
	05-Dec-14	5450.61		12.87		5437.74	NM	NM	NM	NM	NM
	13-Apr-15	5450.61		12.46		5438.15	NM	NM	NM	NM	NM
	17-Jun-15	**5450.61**		**12.56**		**5438.05**	**NM**	**NM**	**NM**	**NM**	**NM**
	16-Feb-16	**5450.61**		**12.74**		**5437.87**	**7.59**	**2.154**	**13.12**	**-35.5**	**4.00**
TW-10	14-Feb-14	5450.16		12.62		5437.54	NM	NM	NM	NM	NM
	21-May-14	5450.16		12.71		5437.45	NM	NM	NM	NM	NM
	05-Aug-14	5450.16		13.29		5436.87	NM	NM	NM	NM	NM
	05-Dec-14	5450.16		13.02		5437.14	NM	NM	NM	NM	NM
	13-Apr-15	5450.16		12.64		5437.52	NM	NM	NM	NM	NM
	17-Jun-15	**5450.16**		**12.75**		**5437.41**	**NM**	**NM**	**NM**	**NM**	**NM**
	16-Feb-16	**5450.16**		**12.87**		**5437.29**	**7.35**	**2.598**	**12.74**	**-22.4**	**4**
TW-11	14-Feb-14	5456.31		18.48		5437.83	NM	NM	NM	NM	NM
	21-May-14	5456.31		18.37		5437.94	NM	NM	NM	NM	NM
	05-Aug-14	5456.31		18.79		5437.52	NM	NM	NM	NM	NM
	05-Dec-14	5456.31		18.83		5437.48	NM	NM	NM	NM	NM
	13-Apr-15	5456.31		19.49		5436.82	NM	NM	NM	NM	NM
	17-Jun-15	**5456.31**		**18.45**		**5437.86**	**NM**	**NM**	**NM**	**NM**	**NM**
	17-Feb-16	**5456.31**		**18.72**		**5437.59**	**7.53**	**7.106**	**14.34**	**-30.2**	**4**
TW-12	14-Feb-14	5460.44	22.78	22.94	0.16	5437.63	NM	NM	NM	NM	NM
	21-May-14	5460.44	22.65	22.74	0.09	5437.77	NM	NM	NM	NM	NM
	05-Aug-14	5460.44	23.02	23.30	0.28	5437.37	NM	NM	NM	NM	NM
	05-Dec-14	5460.44	23.06	23.46	0.40	5437.31	NM	NM	NM	NM	NM
	13-Apr-15	5460.44	22.80	22.87	0.07	5437.63	NM	NM	NM	NM	NM
	17-Jun-15	**5460.44**	**22.80**	**22.87**	**0.07**	**5437.63**	**NM**	**NM**	**NM**	**NM**	**NM**
	17-Feb-16	**5460.44**	**23.00**	**23.20**	**0.20**	**5437.41**	**NM**	**NM**	**NM**	**NM**	**NM**

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Thriftway Refinery, 626 CR 5500, Bloomfield, New Mexico

Well ID	Date	T.O.C. (ft amsl)	Depth to Product (ft)	Depth to Water (ft)	NAPL Thickness (ft)	Corrected GW (ft)	pH	Conductivity (mS)	Temp. (°C)	ORP (mV)	Purge Volume (gallons)
TW-13	14-Feb-14	5458.17	20.85	20.95	0.10	5437.30	NM	NM	NM	NM	NM
	21-May-14	5458.17	20.84	21.69	0.85	5437.18	NM	NM	NM	NM	NM
	05-Aug-14	5458.17	21.25	22.29	1.04	5436.74	NM	NM	NM	NM	NM
	10-Dec-14	5458.17	21.25	22.15	0.90	5436.76	NM	NM	NM	NM	NM
	13-Apr-15	5458.17	21.00	21.55	0.55	5437.07	NM	NM	NM	NM	NM
	17-Jun-15	**5458.17**	**20.96**	**21.52**	**0.56**	**5437.11**	**NM**	**NM**	**NM**	**NM**	**NM**
	17-Feb-16	**5458.17**	**21.17**	**21.91**	**0.74**	**5436.87**	**NM**	**NM**	**NM**	**NM**	**NM**
TW-14	19-Feb-14	5454.24	17.33	17.94	0.61	5436.80	NM	NM	NM	NM	NM
	21-May-14	5454.24	17.27	17.60	0.33	5436.91	NM	NM	NM	NM	NM
	05-Aug-14	5454.24	17.53	18.53	1.00	5436.54	NM	NM	NM	NM	NM
	10-Dec-14	5454.24	17.56	18.71	1.15	5436.48	NM	NM	NM	NM	NM
	13-Apr-15	5454.24	17.39	17.64	0.25	5436.81	NM	NM	NM	NM	NM
	17-Jun-15	**5454.24**	**17.35**	**17.50**	**0.15**	**5436.86**	**NM**	**NM**	**NM**	**NM**	**NM**
	17-Feb-16	**5454.24**	**17.58**	**18.03**	**0.45**	**5436.58**	**NM**	**NM**	**NM**	**NM**	**NM**
TW-15	19-Feb-14	5450.44		13.37		5437.07	NM	NM	NM	NM	NM
	29-May-14	5450.44		13.40		5437.04	7.64	3.173	14.37	58.4	4.3
	05-Aug-14	5450.44		13.92		5436.52	NM	NM	NM	NM	NM
	05-Dec-14	5450.44		13.75		5436.69	NM	NM	NM	NM	NM
	13-Apr-15	5450.44		13.40		5437.04	NM	NM	NM	NM	NM
	17-Jun-15	**5450.44**		**13.45**		**5436.99**	**NM**	**NM**	**NM**	**NM**	**NM**
	17-Feb-16	**5450.44**		**13.54**		**5436.90**	**7.25**	**5.148**	**14.04**	**-18.0**	**4**
TW-16	19-Feb-14	5448.45	Not Measured - Root Growth at 11.0'								
	21-May-14	5448.45	Not Measured - Root Growth at 11.0'								
	05-Aug-14	5448.45	Not Measured - Root Growth at 11.0'								
	05-Dec-14	5448.45		11.22			NM	NM	NM	NM	NM
	13-Apr-15	5448.45		11.56			NM	NM	NM	NM	NM
	17-Jun-15	**5448.45**		**10.75**			**NM**	**NM**	**NM**	**NM**	**NM**
	17-Feb-16	**5448.45**		**11.72**		**5436.73**	**7.46**	**3.590**	**12.53**	**-27.7**	**4**

TABLE 1
SUMMARY OF GROUNDWATER MEASUREMENTS AND WATER QUALITY DATA
Thriftway Refinery, 626 CR 5500, Bloomfield, New Mexico

Well ID	Date	T.O.C. (ft amsl)	Depth to Product (ft)	Depth to Water (ft)	NAPL Thickness (ft)	Corrected GW (ft)	pH	Conductivity (mS)	Temp. (°C)	ORP (mV)	Purge Volume (gallons)
TW-17	19-Feb-14	5446.24		10.07		5436.17	NM	NM	NM	NM	NM
	21-May-14	5446.24		10.25		5435.99	NM	NM	NM	NM	NM
	05-Aug-14	5446.24		10.77		5435.47	NM	NM	NM	NM	NM
	05-Dec-14	5446.24		10.43		5435.81	NM	NM	NM	NM	NM
	13-Apr-15	5446.24		10.12		5436.12	NM	NM	NM	NM	NM
	17-Jun-15	**5446.24**		**10.24**		**5436.00**	**NM**	**NM**	**NM**	**NM**	**NM**
	17-Feb-16	**5446.24**		**10.69**		**5435.55**	**7.59**	**4.682**	**12.39**	**-36.2**	**4**
TW-18	19-Feb-14	5452.73		16.62		5436.11	NM	NM	NM	NM	NM
	21-May-14	5452.73		16.59		5436.14	NM	NM	NM	NM	NM
	05-Aug-14	5452.73		16.96		5435.77	NM	NM	NM	NM	NM
	10-Dec-14	5452.73		16.95		5435.78	7.70	6.835	14.93	96.3	3.0
	13-Apr-15	5452.73		16.64		5436.09	NM	NM	NM	NM	NM
	17-Jun-15	**5452.73**		**16.62**		**5436.11**	**NM**	**NM**	**NM**	**NM**	**NM**
	17-Feb-16	**5452.73**		**16.79**		**5435.94**	**7.38**	**7.294**	**16.2**	**-24.5**	**4**
TW-19	19-Feb-14	5458.49	17.90	18.22	0.32	5440.53	NM	NM	NM	NM	NM
	21-May-14	5458.49	17.83	18.03	0.20	5440.63	NM	NM	NM	NM	NM
	05-Aug-14	5458.49	18.07	18.80	0.73	5440.29	NM	NM	NM	NM	NM
	10-Dec-14	5458.49	18.13	18.85	0.72	5440.24	NM	NM	NM	NM	NM
	13-Apr-15	5458.49		17.95		5440.54	NM	NM	NM	NM	NM
	17-Jun-15	**5458.49**		**17.90**		**5440.59**	**NM**	**NM**	**NM**	**NM**	**NM**
	17-Feb-16	**5458.49**	**18.09**	**18.30**	**0.21**	**5440.36**	**NM**	**NM**	**NM**	**NM**	**NM**
TW-20	19-Feb-14	5453.74	17.70	19.11	1.41	5435.80	NM	NM	NM	NM	NM
	21-May-14	5453.74	17.64	18.95	1.31	5435.87	NM	NM	NM	NM	NM
	05-Aug-14	5453.74	17.89	20.28	2.39	5435.44	NM	NM	NM	NM	NM
	10-Dec-14	5453.74	17.98	18.51	0.53	5435.67	NM	NM	NM	NM	NM
	13-Apr-15	5453.74	17.77	18.77	1.00	5435.80	NM	NM	NM	NM	NM
	17-Jun-15	**5453.74**	**17.79**	**18.73**	**0.94**	**5435.79**	**NM**	**NM**	**NM**	**NM**	**NM**
	17-Feb-16	**5453.74**	**17.97**	**18.49**	**0.52**	**5435.68**	**NM**	**NM**	**NM**	**NM**	**NM**

TABLE 1
SUMMARY OF GROUNDWATER MEASUREMENTS AND WATER QUALITY DATA
Thriftway Refinery, 626 CR 5500, Bloomfield, New Mexico

Well ID	Date	T.O.C. (ft amsl)	Depth to Product (ft)	Depth to Water (ft)	NAPL Thickness (ft)	Corrected GW (ft)	pH	Conductivity (mS)	Temp. (°C)	ORP (mV)	Purge Volume (gallons)
TW-21	19-Feb-14	5451.85	16.74	17.03	0.29	5435.06	NM	NM	NM	NM	NM
	21-May-14	5451.85	16.68	16.75	0.07	5435.16	NM	NM	NM	NM	NM
	05-Aug-14	5451.85	16.86	17.55	0.69	5434.87	NM	NM	NM	NM	NM
	05-Dec-14	5451.85	16.90	17.77	0.87	5434.80	NM	NM	NM	NM	NM
	13-Apr-15	5451.85	16.73	16.79	0.06	5435.11	NM	NM	NM	NM	NM
	17-Jun-15	**5451.85**		**16.68**		**5435.17**	**NM**	**NM**	**NM**	**NM**	**NM**
	17-Feb-16	**5451.85**	**16.84**	**17.15**	**0.31**	**5434.96**	**NM**	**NM**	**NM**	**NM**	**NM**
TW-22	19-Feb-14	5450.19	15.11	15.14	0.03	5435.07	NM	NM	NM	NM	NM
	29-May-14	5450.19		15.08		5435.11	7.58	2.744	16.63	89.3	3.0
	05-Aug-14	5450.19	15.29	15.79	0.50	5434.81	NM	NM	NM	NM	NM
	10-Dec-14	5450.19	15.35	15.55	0.20	5434.81	NM	NM	NM	NM	NM
	13-Apr-15	5450.19		15.10		5435.09	NM	NM	NM	NM	NM
	17-Jun-15	**5450.19**		**15.06**		**5435.13**	**NM**	**NM**	**NM**	**NM**	**NM**
	17-Feb-16	**5450.19**		**15.24**		**5434.95**	**7.20**	**4.289**	**15.95**	**-14.7**	**4**
TW-23	19-Feb-14	5443.64	Not Measured - Root Growth at 9.0'								
	21-May-14	5443.64	Not Measured - Root Growth at 9.0'								
	05-Aug-14	5443.64	Not Measured - Root Growth at 9.0'								
	10-Dec-14	5443.64		9.36		5434.28	7.69	5.962	12.57	102.7	3.0
	13-Apr-15	5443.64		9.00		5434.64	NM	NM	NM	NM	NM
	17-Jun-15	**5443.64**		**8.90**		**5434.74**	**NM**	**NM**	**NM**	**NM**	**NM**
	17-Feb-16	**5443.64**		**9.07**		**5434.57**	**7.3**	**5.703**	**10.53**	**-18.7**	**4**
TW-24	19-Feb-14	5444.79		11.03		5433.76	NM	NM	NM	NM	NM
	21-May-14	5444.79		11.10		5433.69	NM	NM	NM	NM	NM
	05-Aug-14	5444.79	11.41	11.43	0.02	5433.38	NM	NM	NM	NM	NM
	10-Dec-14	5444.79		11.22		5433.57	7.72	5.620	15.13	214.3	3
	17-Jun-15	**5444.79**		**10.96**		**5433.83**	**7.72**	**5.620**	**15.13**	**214.3**	**3**
	17-Feb-16	**5444.79**		**11.02**		**5433.77**	**7.36**	**6.110**	**14.21**	**-23.4**	**4**

TABLE 1
SUMMARY OF GROUNDWATER MEASUREMENTS AND WATER QUALITY DATA
Thriftway Refinery, 626 CR 5500, Bloomfield, New Mexico

Well ID	Date	T.O.C. (ft amsl)	Depth to Product (ft)	Depth to Water (ft)	NAPL Thickness (ft)	Corrected GW (ft)	pH	Conductivity (mS)	Temp. (°C)	ORP (mV)	Purge Volume (gallons)
TW-25	19-Feb-14	5448.80	14.37	14.51	0.14	5434.41	NM	NM	NM	NM	NM
	21-May-14	5448.80	14.33	14.37	0.04	5434.46	NM	NM	NM	NM	NM
	05-Aug-14	5448.80	14.52	15.04	0.52	5434.19	NM	NM	NM	NM	NM
	10-Dec-14	5448.80	14.57	15.05	0.48	5434.15	NM	NM	NM	NM	NM
	17-Jun-15	**5448.80**	**14.32**			**5448.80**	**NM**	**NM**	**NM**	**NM**	**NM**
	17-Feb-16	**5448.80**	**14.46**	**14.69**	**0.23**	**5434.30**	**NM**	**NM**	**NM**	**NM**	**NM**
TW-26	19-Feb-14	5450.34	16.09	16.84	0.75	5434.12	NM	NM	NM	NM	NM
	21-May-14	5450.34	16.02	16.52	0.50	5434.23	NM	NM	NM	NM	NM
	05-Aug-14	5450.34	16.16	17.23	1.07	5433.99	NM	NM	NM	NM	NM
	10-Dec-14	5450.34	16.25	17.40	1.15	5433.89	NM	NM	NM	NM	NM
	17-Jun-15	**5450.34**	**16.05**	**16.24**	**0.19**	**5434.26**	**NM**	**NM**	**NM**	**NM**	**NM**
	17-Feb-16	**5450.34**	**16.18**	**16.79**	**0.61**	**5434.05**	**NM**	**NM**	**NM**	**NM**	**NM**
TW-28	19-Feb-14	5449.24	15.45	16.38	0.93	5433.63	NM	NM	NM	NM	NM
	21-May-14	5449.24	15.37	16.14	0.77	5433.74	NM	NM	NM	NM	NM
	05-Aug-14	5449.24	15.50	16.76	1.26	5433.52	NM	NM	NM	NM	NM
	10-Dec-14	5449.24	15.59	17.00	1.41	5433.41	NM	NM	NM	NM	NM
	17-Jun-15	**5449.24**	**15.33**	**16.00**	**0.67**	**5433.79**	**NM**	**NM**	**NM**	**NM**	**NM**
	17-Feb-16	**5448.89**	**15.13**	**16.14**	**1.01**	**5433.59**	**NM**	**NM**	**NM**	**NM**	**NM**
TW-29	19-Feb-14	5441.87		9.30		5432.57	NM	NM	NM	NM	NM
	21-May-14	5441.87	9.33	9.53	0.20	5432.51	NM	NM	NM	NM	NM
	05-Aug-14	5441.87	9.55	10.29	0.74	5432.19	NM	NM	NM	NM	NM
	10-Dec-14	5441.87	9.42	9.61	0.19	5432.42	NM	NM	NM	NM	NM
	17-Jun-15	**5441.87**		**9.19**		**5432.68**	**NM**	**NM**	**NM**	**NM**	**NM**
	19-Feb-16	**5441.87**		**9.27**		**5432.60**	**7.35**	**3.485**	**13.59**	**-23.50**	**4**

TABLE 1
SUMMARY OF GROUNDWATER MEASUREMENTS AND WATER QUALITY DATA
Thriftway Refinery, 626 CR 5500, Bloomfield, New Mexico

Well ID	Date	T.O.C. (ft amsl)	Depth to Product (ft)	Depth to Water (ft)	NAPL Thickness (ft)	Corrected GW (ft)	pH	Conductivity (mS)	Temp. (°C)	ORP (mV)	Purge Volume (gallons)
TW-30	19-Feb-14	5437.93		5.96		5431.97	NM	NM	NM	NM	NM
	21-May-14	5437.93		6.18		5431.75	NM	NM	NM	NM	NM
	05-Aug-14	5437.93		6.30		5431.63	NM	NM	NM	NM	NM
	10-Dec-14	5437.93		6.03		5431.90	7.66	5.462	12.95	129.0	3
	17-Jun-15	**5437.93**		**6.00**		**5431.93**	**7.66**	**5.462**	**12.95**	**129.0**	**3**
	19-Feb-16	**5437.93**		**5.86**		**5432.07**	**7.19**	**5.465**	**9.33**	**-13.7**	**4**
TW-31	19-Feb-14	5438.54		7.04		5431.50	NM	NM	NM	NM	NM
	21-May-14	5438.54		7.19		5431.35	NM	NM	NM	NM	NM
	05-Aug-14	5438.54		7.43		5431.11	NM	NM	NM	NM	NM
	10-Dec-14	5438.54		7.10		5431.44	7.72	5.550	12.99	87.1	3
	17-Jun-15	**5438.54**		**7.02**		**5431.52**	**7.72**	**5.550**	**12.99**	**87.1**	**3**
	19-Feb-16	**5438.54**		**7.01**		**5431.53**	**7.33**	**5.426**	**10.04**	**-21.9**	**4**
TW-32	19-Feb-14	5441.61	9.30	10.32	1.02	5432.13	NM	NM	NM	NM	NM
	21-May-14	5441.61	9.30	10.20	0.90	5432.15	NM	NM	NM	NM	NM
	05-Aug-14	5441.61	9.54	10.52	0.98	5431.90	NM	NM	NM	NM	NM
	10-Dec-14	5441.61	9.48	10.70	1.22	5431.92	NM	NM	NM	NM	NM
	17-Jun-15	**5441.61**	**9.20**	**9.40**	**0.20**	**5432.38**	**NM**	**NM**	**NM**	**NM**	**NM**
	19-Feb-16	**5441.61**	**9.36**	**10.31**	**0.95**	**5432.09**	**NM**	**NM**	**NM**	**NM**	**NM**
TW-33	19-Feb-14	5445.85	13.00	13.57	0.57	5432.75	NM	NM	NM	NM	NM
	21-May-14	5445.85	12.91	13.31	0.40	5432.87	NM	NM	NM	NM	NM
	05-Aug-14	5445.85	13.05	14.09	1.04	5432.62	NM	NM	NM	NM	NM
	10-Dec-14	5445.85	13.12	14.10	0.98	5432.56	NM	NM	NM	NM	NM
	17-Jun-15	**5445.85**	**12.85**	**13.25**	**0.40**	**5432.93**	**NM**	**NM**	**NM**	**NM**	**NM**
	19-Feb-16	**5445.85**	**13.03**	**13.71**	**0.68**	**5432.70**	**NM**	**NM**	**NM**	**NM**	**NM**

TABLE 1
SUMMARY OF GROUNDWATER MEASUREMENTS AND WATER QUALITY DATA
Thriftway Refinery, 626 CR 5500, Bloomfield, New Mexico

Well ID	Date	T.O.C. (ft amsl)	Depth to Product (ft)	Depth to Water (ft)	NAPL Thickness (ft)	Corrected GW (ft)	pH	Conductivity (mS)	Temp. (°C)	ORP (mV)	Purge Volume (gallons)
TW-34	19-Feb-14	5455.80		20.17		5435.63	NM	NM	NM	NM	NM
	28-May-14	5455.80		20.13		5435.67	NM	NM	NM	NM	NM
	05-Aug-14	5455.80		20.72		5435.08	NM	NM	NM	NM	NM
	05-Dec-14	5455.80		20.47		5435.33	NM	NM	NM	NM	NM
	17-Jun-15	**5455.80**		**20.20**		**5435.60**	**NM**	**NM**	**NM**	**NM**	**NM**
	23-Feb-16	**5455.80**		**20.27**		**5435.53**	**7.14**	**7.126**	**14.04**	**-12.9**	**4**
TW-35	19-Feb-14	5449.14	15.25	16.09	0.84	5433.74	NM	NM	NM	NM	NM
	28-May-14	5449.14	15.17	15.90	0.73	5433.84	NM	NM	NM	NM	NM
	05-Aug-14	5449.14	15.33	16.52	1.19	5433.60	NM	NM	NM	NM	NM
	05-Dec-14	5449.14	15.42	16.53	1.11	5433.53	NM	NM	NM	NM	NM
	13-Apr-15	5449.14	15.23	15.68	0.45	5433.83	NM	NM	NM	NM	NM
	17-Jun-15	**5449.14**	**15.18**	**15.58**	**0.40**	**5433.89**	**NM**	**NM**	**NM**	**NM**	**NM**
	23-Feb-16	**5449.14**	**15.37**	**15.84**	**0.47**	**5433.69**	**NM**	**NM**	**NM**	**NM**	**NM**
TW-36	19-Feb-14	5441.91		13.04		5428.87	NM	NM	NM	NM	NM
	29-May-14	5441.91		12.95		5428.96	7.44	4.425	17.40	70.6	3.0
	05-Aug-14	5441.91	13.24	13.41	0.17	5428.64	NM	NM	NM	NM	NM
	10-Dec-14	5441.91	13.27	13.44	0.17	5428.61	NM	NM	NM	NM	NM
	13-Apr-15	5441.91		12.97		5428.94	NM	NM	NM	NM	NM
	17-Jun-15	**5441.91**		**12.85**		**5429.06**	**NM**	**NM**	**NM**	**NM**	**NM**
	22-Feb-16	**5441.91**		**13.19**		**5428.72**	**7.18**	**6.502**	**14.97**	**-13.7**	**4**
TW-37	19-Feb-14	5439.59		10.58		5429.01	NM	NM	NM	NM	NM
	29-May-14	5439.59		10.41		5429.18	7.50	3.269	15.83	27.7	3.0
	05-Aug-14	5439.59		10.73		5428.86	NM	NM	NM	NM	NM
	10-Dec-14	5439.59		10.81		5428.78	7.74	4.255	14.47	101.6	3.0
	13-Apr-15	5439.59		10.47		5429.12	NM	NM	NM	NM	NM
	18-Jun-15	**5439.59**		**10.45**		**5429.14**	**NM**	**NM**	**NM**	**NM**	**NM**
	25-Feb-16	**5439.59**		**10.70**		**5428.89**	**7.28**	**4.271**	**12.7**	**-19.2**	**4**

TABLE 1
SUMMARY OF GROUNDWATER MEASUREMENTS AND WATER QUALITY DATA
Thriftway Refinery, 626 CR 5500, Bloomfield, New Mexico

Well ID	Date	T.O.C. (ft amsl)	Depth to Product (ft)	Depth to Water (ft)	NAPL Thickness (ft)	Corrected GW (ft)	pH	Conductivity (mS)	Temp. (°C)	ORP (mV)	Purge Volume (gallons)
TW-38	19-Feb-14	5442.11	11.54	11.56	0.02	5430.57	NM	NM	NM	NM	NM
	29-May-14	5442.11		11.44		5430.67	7.61	3.769	15.62	68.0	3.0
	05-Aug-14	5442.11	11.68	11.82	0.14	5430.41	NM	NM	NM	NM	NM
	10-Dec-14	5442.11	11.75	11.82	0.07	5430.35	NM	NM	NM	NM	NM
	13-Apr-15	5442.11		11.43		5430.68	NM	NM	NM	NM	NM
	18-Jun-15	**5442.11**		**11.41**		**5430.70**	**NM**	**NM**	**NM**	**NM**	**NM**
	25-Feb-16	**5442.11**		**11.64**		**5430.47**	**7.49**	**4.485**	**13.74**	**-35.3**	**4**
TW-39	19-Feb-14	5438.43		7.76		5430.67	NM	NM	NM	NM	NM
	29-May-14	5438.43		7.75		5430.68	7.59	3.847	15.51	44.5	3.0
	05-Aug-14	5438.43		8.19		5430.24	NM	NM	NM	NM	NM
	11-Dec-14	5438.43		7.97		5430.46	7.84	4.191	11.20	-86.0	NM
	13-Apr-15	5438.43		7.51		5430.92	NM	NM	NM	NM	NM
	18-Jun-15	**5438.43**		**7.60**		**5430.83**	**NM**	**NM**	**NM**	**NM**	**NM**
	19-Feb-16	**5438.43**		**7.78**		**5430.65**	**7.37**	**4.201**	**9.63**	**-24.3**	**4**
TW-40	19-Feb-14	5437.50	7.66	7.69	0.03	5429.83	NM	NM	NM	NM	NM
	28-May-14	5437.50	7.59	7.61	0.02	5429.91	NM	NM	NM	NM	NM
	05-Aug-14	5437.50	8.22	8.43	0.21	5429.24	NM	NM	NM	NM	NM
	10-Dec-14	5437.50	7.89	7.97	0.08	5429.60	NM	NM	NM	NM	NM
	13-Apr-15	5437.50	7.36	7.51	0.15	5430.11	NM	NM	NM	NM	NM
	18-Jun-15	**5437.50**	**7.47**	**7.61**	**0.14**	**5430.01**	**NM**	**NM**	**NM**	**NM**	**NM**
	22-Feb-16	**5437.50**	**7.75**	**8.00**	**0.25**	**5429.71**	**NM**	**NM**	**NM**	**NM**	**NM**
TW-41	19-Feb-14	5434.77		5.91		5428.86	NM	NM	NM	NM	NM
	29-May-14	5434.77		5.65		5429.12	7.60	5.438	15.45	65.7	NM
	05-Aug-14	5434.77		6.11		5428.66	NM	NM	NM	NM	NM
	11-Dec-14	5434.77		6.23		5428.54	7.76	4.746	10.91	68.2	3
	13-Apr-15	5434.77		5.67		5429.10	NM	NM	NM	NM	NM
	18-Jun-15	**5434.77**		**5.63**		**5429.14**	**NM**	**NM**	**NM**	**NM**	**NM**
	22-Feb-16	**5434.77**		**6.05**		**5428.72**	**6.99**	**5.896**	**7.89**	**-3.0**	**4**

TABLE 1
SUMMARY OF GROUNDWATER MEASUREMENTS AND WATER QUALITY DATA
Thriftway Refinery, 626 CR 5500, Bloomfield, New Mexico

Well ID	Date	T.O.C. (ft amsl)	Depth to Product (ft)	Depth to Water (ft)	NAPL Thickness (ft)	Corrected GW (ft)	pH	Conductivity (mS)	Temp. (°C)	ORP (mV)	Purge Volume (gallons)
TW-42	19-Feb-14	5433.76		6.00		5427.76	NM	NM	NM	NM	NM
	29-May-14	5433.76		4.59		5429.17	NM	NM	14.97	NM	NM
	05-Aug-14	5433.76		5.39		5428.37	NM	NM	NM	NM	NM
	11-Dec-14	5433.76		6.30		5427.46	7.84	5.338	11.46	43.8	3
	13-Apr-15	5433.76		5.80		5427.96	NM	NM	NM	NM	NM
	18-Jun-15	**5433.76**		**5.80**		**5427.96**	**NM**	**NM**	**NM**	**NM**	**NM**
	22-Feb-16	**5433.76**		**6.46**		**5427.30**	**7.39**	**5.909**	**8.54**	**-24.7**	**4**
TW-43	19-Feb-14	5440.42		12.18		5428.24	NM	NM	NM	NM	NM
	30-May-14	5440.42		11.92		5428.50	7.31	3.315	15.38	105.6	1
	05-Aug-14	5440.42		12.25		5428.17	NM	NM	NM	NM	NM
	11-Dec-14	5440.42		12.42		5428.00	7.74	5.047	14.11	218.3	3
	13-Apr-15	5440.42		12.07		5428.35	NM	NM	NM	NM	NM
	18-Jun-15	**5440.42**		**12.04**		**5428.38**	**NM**	**NM**	**NM**	**NM**	**NM**
	22-Feb-16	**5440.42**		**12.33**		**5428.09**	**7.12**	**5.159**	**13.14**	**-9.9**	**4**
TW-44	19-Feb-14	5444.08	14.90	15.95	1.05	5429.00	NM	NM	NM	NM	NM
	28-May-14	5444.08	14.77	15.75	0.98	5429.14	NM	NM	NM	NM	NM
	05-Aug-14	5444.08	15.05	16.12	1.07	5428.84	NM	NM	NM	NM	NM
	10-Dec-14	5444.08	15.13	16.21	1.08	5428.76	NM	NM	NM	NM	NM
	13-Apr-15	5444.08	14.82	15.80	0.98	5429.09	NM	NM	NM	NM	NM
	18-Jun-15	**5444.08**	**14.77**	**15.70**	**0.93**	**5429.15**	**NM**	**NM**	**NM**	**NM**	**NM**
	22-Feb-16	**5444.08**	**15.19**	**15.31**	**0.12**	**5428.87**	**NM**	**NM**	**NM**	**NM**	**NM**
TW-45	19-Feb-14	TBS		6.87			NM	NM	NM	NM	NM
	30-May-14	TBS		6.73			7.34	3.986	14.13	119.0	3
	05-Aug-14	TBS		7.10			NM	NM	NM	NM	NM
	11-Dec-14	TBS		7.15			7.78	5.450	11.95	188.1	3
	13-Apr-15	TBS		6.80			NM	NM	NM	NM	NM
	18-Jun-15	**TBS**		**6.84**			**NM**	**NM**	**NM**	**NM**	**NM**
	23-Feb-16	**TBS**		**7.05**			**7.16**	**5.190**	**8.47**	**-12.2**	**4**

TABLE 1
SUMMARY OF GROUNDWATER MEASUREMENTS AND WATER QUALITY DATA
Thriftway Refinery, 626 CR 5500, Bloomfield, New Mexico

Well ID	Date	T.O.C. (ft amsl)	Depth to Product (ft)	Depth to Water (ft)	NAPL Thickness (ft)	Corrected GW (ft)	pH	Conductivity (mS)	Temp. (°C)	ORP (mV)	Purge Volume (gallons)
TW-46	19-Feb-14	TBS		7.21			NM	NM	NM	NM	NM
	28-May-14	TBS		6.91			NM	NM	NM	NM	NM
	05-Aug-14	TBS		7.25			NM	NM	NM	NM	NM
	11-Dec-14	TBS		7.51			7.81	7.631	12.22	91.6	3
	13-Apr-15	TBS		7.11			NM	NM	NM	NM	NM
	18-Jun-15	**TBS**		**7.11**			**NM**	**NM**	**NM**	**NM**	**NM**
	23-Feb-16	**TBS**		**7.44**			**7.41**	**6.827**	**8.84**	**-25.1**	**4**
TW-47	19-Feb-14	TBS		6.80			NM	NM	NM	NM	NM
	28-May-14	TBS		6.61			NM	NM	NM	NM	NM
	05-Aug-14	TBS		7.26			NM	NM	NM	NM	NM
	11-Dec-14	TBS		6.90			7.89	11.54	12.28	118.2	3
	13-Apr-15	TBS		6.39			NM	NM	NM	NM	NM
	18-Jun-15	**TBS**		**6.53**			**NM**	**NM**	**NM**	**NM**	**NM**
	26-Feb-16	**TBS**		**6.98**			**7.28**	**10.32**	**9.56**	**-18.7**	**4**
TW-48	19-Feb-14	TBS		7.18			NM	NM	NM	NM	NM
	28-May-14	TBS	Not Measured - Root Growth at 7.0'								
	05-Aug-14	TBS	Not Measured - Root Growth at 7.0'								
	12-Dec-14	TBS		7.32			7.69	4.862	10.63	17.4	3
	13-Apr-15	TBS		7.12			NM	NM	NM	NM	NM
	18-Jun-15	**TBS**		**7.19**			**NM**	**NM**	**NM**	**NM**	**NM**
	19-Feb-16	**TBS**		**6.93**			**7.25**	**4.726**	**8.74**	**-16.8**	**4**
TW-49	19-Feb-14	TBS		5.89			NM	NM	NM	NM	NM
	28-May-14	TBS		6.34			NM	NM	NM	NM	NM
	05-Aug-14	TBS		6.31			NM	NM	NM	NM	NM
	12-Dec-14	TBS		6.03			NM	NM	NM	NM	NM
	13-Apr-15	TBS		5.70			NM	NM	NM	NM	NM
	18-Jun-15	**TBS**		**5.84**			**NM**	**NM**	**NM**	**NM**	**NM**
	26-Feb-16	**TBS**		**5.85**			**7.14**	**8.25**	**6.65**	**-11.30**	**2**

TABLE 1
SUMMARY OF GROUNDWATER MEASUREMENTS AND WATER QUALITY DATA
Thriftway Refinery, 626 CR 5500, Bloomfield, New Mexico

Well ID	Date	T.O.C. (ft amsl)	Depth to Product (ft)	Depth to Water (ft)	NAPL Thickness (ft)	Corrected GW (ft)	pH	Conductivity (mS)	Temp. (°C)	ORP (mV)	Purge Volume (gallons)
TW-50	19-Feb-14	TBS	7.82	8.21	0.42		NM	NM	NM	NM	NM
	28-May-14	TBS	9.09	9.48	0.39		NM	NM	NM	NM	NM
	05-Aug-14	TBS	9.41	9.81	0.40		NM	NM	NM	NM	NM
	10-Dec-14	TBS	7.99	8.36	0.37		NM	NM	NM	NM	NM
	13-Apr-15	TBS	7.68	8.02	0.34		NM	NM	NM	NM	NM
	18-Jun-15	**TBS**	**7.65**	**7.98**	**0.33**		**NM**	**NM**	**NM**	**NM**	**NM**
	26-Feb-16	**TBS**	**7.88**	**8.21**	**0.33**		**NM**	**NM**	**NM**	**NM**	**NM**
TW-51	19-Feb-14	TBS		6.80			NM	NM	NM	NM	NM
	28-May-14	TBS		6.69			NM	NM	NM	NM	NM
	05-Aug-14	TBS		7.06			NM	NM	NM	NM	NM
	12-Dec-14	TBS		7.12			7.77	6.681	11.08	102.1	3
	13-Apr-15	TBS		6.73			NM	NM	NM	NM	NM
	18-Jun-15	**TBS**		**6.73**			**NM**	**NM**	**NM**	**NM**	**NM**
	26-Feb-16	**TBS**		**7.02**			**7.25**	**6.463**	**8.22**	**-17.3**	**4**
TW-52	19-Feb-14	TBS		7.20			NM	NM	NM	NM	NM
	30-May-14	TBS		7.15			7.42	6.654	15.05	102.5	1
	05-Aug-14	TBS		7.59			NM	NM	NM	NM	NM
	12-Dec-14	TBS		7.57			7.73	7.092	10.92	101.0	3
	13-Apr-15	TBS		7.17			NM	NM	NM	NM	NM
	18-Jun-15	**TBS**		**7.09**			**NM**	**NM**	**NM**	**NM**	**NM**
	26-Feb-16	**TBS**		**7.45**			**7.17**	**6.911**	**7.92**	**-13.4**	**4**
TW-53	19-Feb-14	TBS		6.94			NM	NM	NM	NM	NM
	28-May-14	TBS		6.90			NM	NM	NM	NM	NM
	05-Aug-14	TBS		7.38			NM	NM	NM	NM	NM
	12-Dec-14	TBS		7.33			7.80	8.208	11.38	112.8	NM
	13-Apr-15	TBS		6.93			NM	NM	NM	NM	NM
	18-Jun-15	**TBS**		**6.90**			**NM**	**NM**	**NM**	**NM**	**NM**
	26-Feb-16	**TBS**		**7.17**			**7.47**	**8.811**	**8.97**	**-28.9**	**4**

TABLE 1
SUMMARY OF GROUNDWATER MEASUREMENTS AND WATER QUALITY DATA
Thriftway Refinery, 626 CR 5500, Bloomfield, New Mexico

Well ID	Date	T.O.C. (ft amsl)	Depth to Product (ft)	Depth to Water (ft)	NAPL Thickness (ft)	Corrected GW (ft)	pH	Conductivity (mS)	Temp. (°C)	ORP (mV)	Purge Volume (gallons)
TW-54	19-Feb-14	TBS		7.39			NM	NM	NM	NM	NM
	30-May-14	TBS		7.29			7.43	4.642	13.93	82.4	3
	05-Aug-14	TBS		7.74			NM	NM	NM	NM	NM
	12-Dec-14	TBS		7.74			7.81	5.671	12.11	159.9	NM
	13-Apr-15	TBS		7.33			NM	NM	NM	NM	NM
	13-Apr-15	**TBS**		**7.31**			**NM**	**NM**	**NM**	**NM**	**NM**
	26-Feb-16	**TBS**		**7.63**			**7.52**	**5.987**	**9.49**	**-31.9**	**4**
MW-4	**19-Feb-16**	**5430.12**		**5.35**		**5424.77**	**7.37**	**5.477**	**9.66**	**-22.8**	**4**
MW-5	19-Feb-14	5428.97		DRY			NM	NM	NM	NM	NM
	28-May-14	5428.97		DRY			NM	NM	NM	NM	NM
	05-Aug-14	5428.97		DRY			NM	NM	NM	NM	NM
	12-Dec-14	5428.97		DRY			NM	NM	NM	NM	NM
	13-Apr-15	5428.97		4.76		5424.21	NM	NM	NM	NM	NM
	18-Jun-15	**5428.97**		**4.83**		**5424.14**	**NM**	**NM**	**NM**	**NM**	**NM**
	22-Feb-16	**5428.97**		**5.28**		**5423.69**	**7.67**	**5.957**	**10.42**	**-40.6**	**4**
MW-6	**19-Feb-16**	**5430.70**		**4.76**		**5425.94**	**7.58**	**7.378**	**10.79**	**-35.2**	**4**
MW-7	19-Feb-14	5435.28		8.42		5426.86	NM	NM	NM	NM	NM
	30-May-14	5435.28		8.44		5426.84	7.45	4.784	14.54	63.0	3
	05-Aug-14	5435.28		9.16		5426.12	NM	NM	NM	NM	NM
	12-Dec-14	5435.28		8.69		5426.59	8.07	5.356	12.11	-60.5	NM
	13-Apr-15	5435.28		8.10		5427.18	NM	NM	NM	NM	NM
	18-Jun-15	**5435.28**		**8.19**		**5427.09**	**NM**	**NM**	**NM**	**NM**	**NM**
	19-Feb-16	**5435.28**		**8.53**		**5426.75**	**7.45**	**5.653**	**9.13**	**-28.4**	**4**
MW-9	**01-Mar-16**	**5436.69**		**6.05**		**5430.64**	**7.52**	**6.094**	**7.81**	**-31.6**	**4**
MW-10	**01-Mar-16**	**5437.78**		**5.58**		**5432.20**	**7.68**	**4.85**	**8.47**	**-41.4**	**4**
MW-12	**25-Feb-16**	**5446.09**	**14.60**	**15.30**	**0.70**	**5431.37**	**NM**	**NM**	**NM**	**NM**	**NM**
MW-13	**25-Feb-16**	**5452.12**		**18.29**		**5433.83**	**7.31**	**5.564**	**14.97**	**-20.9**	**4**

TABLE 1
SUMMARY OF GROUNDWATER MEASUREMENTS AND WATER QUALITY DATA
Thriftway Refinery, 626 CR 5500, Bloomfield, New Mexico

Well ID	Date	T.O.C. (ft amsl)	Depth to Product (ft)	Depth to Water (ft)	NAPL Thickness (ft)	Corrected GW (ft)	pH	Conductivity (mS)	Temp. (°C)	ORP (mV)	Purge Volume (gallons)
MW-16	**25-Feb-16**	**5442.63**		**9.08**		**5433.55**	**7.65**	**3.815**	**13.05**	**-35.4**	**4**
MW-17	**25-Feb-16**	**5435.20**		**6.09**		**5429.11**	**7.20**	**3.931**	**12.10**	**-14.8**	**4**
MW-18	**25-Feb-16**	**5428.95**		**4.11**		**5424.84**	**7.26**	**6.494**	**9.93**	**-15.1**	**4**
MW-19	**25-Feb-16**	**5428.69**		**3.96**		**5424.73**	**7.41**	**6.554**	**9.35**	**-25.8**	**4**
MW-20	19-Feb-14	5430.45		5.85		5424.60	NM	NM	NM	NM	NM
	30-May-14	5430.45		5.44		5425.01	7.33	5.063	13.73	56.3	3
	05-Aug-14	5430.45		5.80		5424.65	NM	NM	NM	NM	NM
	11-Dec-14	5430.45		6.14		5424.31	7.80	6.621	11.73	73.6	3
	13-Apr-15	5430.45		5.76		5424.69	NM	NM	NM	NM	NM
	18-Jun-15	**5430.45**		**5.76**		**5424.69**	**NM**	**NM**	**NM**	**NM**	**NM**
	23-Feb-16	**5430.45**		**5.61**		**5424.84**	**7.33**	**5.387**	**7.7**	**-21.8**	**4**
MW-21	19-Feb-14	5428.62		3.53		5425.09	NM	NM	NM	NM	NM
	30-May-14	5428.62		3.34		5425.28	7.43	4.616	14.61	72.4	3
	05-Aug-14	5428.62		4.08		5424.54	NM	NM	NM	NM	NM
	11-Dec-14	5428.62		3.67		5424.95	7.78	6.235	12.57	163.4	NM
	13-Apr-15	5428.62		3.12		5425.50	NM	NM	NM	NM	NM
	18-Jun-15	**5428.62**		**3.30**		**5425.32**	**NM**	**NM**	**NM**	**NM**	**NM**
	26-Feb-16	**5428.62**		**3.89**		**5424.73**	**7.24**	**6.388**	**10.15**	**-16.8**	**4**
MW-23	28-Jul-04	5449.34		DRY			NM	NM	NM	NM	NM
	03-Jan-05	5449.34		DRY			NM	NM	NM	NM	NM
	26-Feb-16	**5449.34**		**DRY**			**NM**	**NM**	**NM**	**NM**	**NM**
MW-25	28-Jul-04	5448.74		DRY			NM	NM	NM	NM	NM
	03-Jan-05	5448.74		DRY			NM	NM	NM	NM	NM
	26-Feb-16	**5448.74**		**DRY**			**NM**	**NM**	**NM**	**NM**	**NM**
MW-27	28-Jul-04	5449.01		DRY			NM	NM	NM	NM	NM
	03-Jan-05	5449.01		DRY			NM	NM	NM	NM	NM
	26-Feb-16	**5449.01**		**DRY**			**NM**	**NM**	**NM**	**NM**	**NM**

TABLE 1
SUMMARY OF GROUNDWATER MEASUREMENTS AND WATER QUALITY DATA
Thriftway Refinery, 626 CR 5500, Bloomfield, New Mexico

Well ID	Date	T.O.C. (ft amsl)	Depth to Product (ft)	Depth to Water (ft)	NAPL Thickness (ft)	Corrected GW (ft)	pH	Conductivity (mS)	Temp. (°C)	ORP (mV)	Purge Volume (gallons)
RW-24	26-Feb-16	5447.73	16.36	17.09	0.73	5431.24	NM	NM	NM	NM	NM
RW-25	26-Feb-15	5448.68	17.12	17.77	0.65	5431.45	NM	NM	NM	NM	NM
MPE-1	18-Jun-15			24.01			NM	NM	NM	NM	NM
	18-Feb-16			24.34			NM	NM	NM	NM	NM
MPE-2	18-Jun-15		21.90	21.98	0.08		NM	NM	NM	NM	NM
	18-Feb-16		22.19	22.32	0.13		NM	NM	NM	NM	NM
MPE-3	18-Jun-15			21.20			NM	NM	NM	NM	NM
	18-Feb-16			21.49			NM	NM	NM	NM	NM
MPE-4	18-Jun-15			20.39			NM	NM	NM	NM	NM
	18-Feb-16			20.68			NM	NM	NM	NM	NM
MPE-5	18-Jun-15		19.72	19.79	0.07		NM	NM	NM	NM	NM
	18-Feb-16		19.94	20.31	0.37		NM	NM	NM	NM	NM
MPE-6	18-Jun-15			20.07			NM	NM	NM	NM	NM
	18-Feb-16		20.30	20.58	0.28		NM	NM	NM	NM	NM
MPE-7	18-Jun-15			20.86			NM	NM	NM	NM	NM
	18-Feb-16		21.12	21.24	0.12		NM	NM	NM	NM	NM
MPE-8	18-Jun-15			22.15			NM	NM	NM	NM	NM
	18-Feb-16			22.44			NM	NM	NM	NM	NM
MPE-9	18-Jun-15			23.87			NM	NM	NM	NM	NM
	18-Feb-16			24.15			NM	NM	NM	NM	NM
MPE-10	18-Jun-15			23.67			NM	NM	NM	NM	NM
	18-Feb-16			23.94			NM	NM	NM	NM	NM
MPE-11	18-Jun-15			22.25			NM	NM	NM	NM	NM
	18-Feb-16			22.10			NM	NM	NM	NM	NM

TABLE 1
SUMMARY OF GROUNDWATER MEASUREMENTS AND WATER QUALITY DATA
Thriftway Refinery, 626 CR 5500, Bloomfield, New Mexico

Well ID	Date	T.O.C. (ft amsl)	Depth to Product (ft)	Depth to Water (ft)	NAPL Thickness (ft)	Corrected GW (ft)	pH	Conductivity (mS)	Temp. (°C)	ORP (mV)	Purge Volume (gallons)
MPE-12	18-Jun-15			22.75			NM	NM	NM	NM	NM
	18-Feb-16			22.59			NM	NM	NM	NM	NM
MPE-13	18-Jun-15			23.1			NM	NM	NM	NM	NM
	18-Feb-16			23.37			NM	NM	NM	NM	NM
MPE-14	18-Jun-15			22.2			NM	NM	NM	NM	NM
	24-Feb-16			22.47			NM	NM	NM	NM	NM
MPE-16	18-Jun-15			20.33			NM	NM	NM	NM	NM
	24-Feb-16			20.61			NM	NM	NM	NM	NM
MPE-17	18-Jun-15			20.51			NM	NM	NM	NM	NM
	24-Feb-16		20.76	20.82	0.06		NM	NM	NM	NM	NM
MPE-18	18-Jun-15			19.65			NM	NM	NM	NM	NM
	24-Feb-16			19.90			NM	NM	NM	NM	NM
MPE-19	18-Jun-15			19.36			NM	NM	NM	NM	NM
	24-Feb-16			19.61			NM	NM	NM	NM	NM
MPE-20	18-Jun-15			19.11			NM	NM	NM	NM	NM
	24-Feb-16			19.35			NM	NM	NM	NM	NM
MPE-21	18-Jun-15		20.22	20.81	0.59		NM	NM	NM	NM	NM
	24-Feb-16		20.41	21.15	0.74		NM	NM	NM	NM	NM
MPE-22	18-Jun-15		21.13	21.23	0.10		NM	NM	NM	NM	NM
	24-Feb-16		21.31	21.47	0.16		NM	NM	NM	NM	NM
MPE-23	18-Jun-15		21.16	21.18	0.02		NM	NM	NM	NM	NM
	24-Feb-16		21.38	21.40	0.02		NM	NM	NM	NM	NM
MPE-24	18-Jun-15		23.09	23.10	0.01		NM	NM	NM	NM	NM
	24-Feb-16			23.30			NM	NM	NM	NM	NM

TABLE 1
SUMMARY OF GROUNDWATER MEASUREMENTS AND WATER QUALITY DATA
Thriftway Refinery, 626 CR 5500, Bloomfield, New Mexico

Well ID	Date	T.O.C. (ft amsl)	Depth to Product (ft)	Depth to Water (ft)	NAPL Thickness (ft)	Corrected GW (ft)	pH	Conductivity (mS)	Temp. (°C)	ORP (mV)	Purge Volume (gallons)
MPE-25	18-Jun-15			23.48			NM	NM	NM	NM	NM
	24-Feb-16			23.65			NM	NM	NM	NM	NM
MPE-26	18-Jun-15		23.20	23.78	0.58		NM	NM	NM	NM	NM
	24-Feb-16		23.35	24.06	0.71		NM	NM	NM	NM	NM
MPE-27	18-Jun-15			22.33			NM	NM	NM	NM	NM
	24-Feb-16			22.35			NM	NM	NM	NM	NM
MPE-28	18-Jun-15			22.02			NM	NM	NM	NM	NM
	24-Feb-16			22.17			NM	NM	NM	NM	NM
MPE-29	18-Jun-15			20.85			NM	NM	NM	NM	NM
	24-Feb-16			20.80			NM	NM	NM	NM	NM
MPE-30	18-Jun-15			21.61			NM	NM	NM	NM	NM
	24-Feb-16			21.30			NM	NM	NM	NM	NM
MPE-31	18-Jun-15		22.88	22.89	0.01		NM	NM	NM	NM	NM
	24-Feb-16			22.65			NM	NM	NM	NM	NM
MPE-32	18-Jun-15		NM	NM			NM	NM	NM	NM	NM
	24-Feb-16		22.91	23.00	0.09		NM	NM	NM	NM	NM
MPE-33	18-Jun-15			22.79			NM	NM	NM	NM	NM
	24-Feb-16		22.72	22.94	0.22		NM	NM	NM	NM	NM
MPE-34	18-Jun-15			22.55			NM	NM	NM	NM	NM
	24-Feb-16		21.31	21.35	0.04		NM	NM	NM	NM	NM
MPE-35	18-Jun-15			21.13			NM	NM	NM	NM	NM
	24-Feb-16		20.44	20.56	0.12		NM	NM	NM	NM	NM
MPE-36	18-Jun-15			20.29			NM	NM	NM	NM	NM
	24-Feb-16		20.70	21.32	0.62		NM	NM	NM	NM	NM

TABLE 1
SUMMARY OF GROUNDWATER MEASUREMENTS AND WATER QUALITY DATA
Thriftway Refinery, 626 CR 5500, Bloomfield, New Mexico

Well ID	Date	T.O.C. (ft amsl)	Depth to Product (ft)	Depth to Water (ft)	NAPL Thickness (ft)	Corrected GW (ft)	pH	Conductivity (mS)	Temp. (°C)	ORP (mV)	Purge Volume (gallons)
MPE-38	18-Jun-15			20.16			NM	NM	NM	NM	NM
	24-Feb-16			20.32			NM	NM	NM	NM	NM
MPE-39	18-Jun-15			17.81			NM	NM	NM	NM	NM
	24-Feb-16			17.94			NM	NM	NM	NM	NM
MPE-40	18-Jun-15			18.01			NM	NM	NM	NM	NM
	24-Feb-16			18.16			NM	NM	NM	NM	NM
MPE-41	29-Jun-15			18.69			NM	NM	NM	NM	NM
	24-Feb-16			18.82			NM	NM	NM	NM	NM
MPE-42	29-Jun-25			19.42			NM	NM	NM	NM	NM
	24-Feb-16		19.55	19.69	0.14		NM	NM	NM	NM	NM
MPE-43	29-Jun-15			20.25			NM	NM	NM	NM	NM
	24-Feb-16		20.43	20.47	0.04		NM	NM	NM	NM	NM
MPE-44	29-Jun-15		20.09	20.16	0.07		NM	NM	NM	NM	NM
	24-Feb-16		20.26	20.39	0.13		NM	NM	NM	NM	NM
MPE-45	29-Jun-15		20.59	20.71	0.12		NM	NM	NM	NM	NM
	24-Feb-16		20.73	20.96	0.23		NM	NM	NM	NM	NM
MPE-46	29-Jun-15			21.66			NM	NM	NM	NM	NM
	24-Feb-16		21.81	21.89	0.08		NM	NM	NM	NM	NM
MPE-47	29-Jun-15		21.10	21.63	0.53		NM	NM	NM	NM	NM
	24-Feb-16		21.21	21.77	0.56		NM	NM	NM	NM	NM
MPE-48	29-Jun-15			20.39			NM	NM	NM	NM	NM
	24-Feb-16			20.39			NM	NM	NM	NM	NM
MPE-49	29-Jun-15			19.72			NM	NM	NM	NM	NM
	24-Feb-16			19.73			NM	NM	NM	NM	NM

TABLE 1
SUMMARY OF GROUNDWATER MEASUREMENTS AND WATER QUALITY DATA
Thriftway Refinery, 626 CR 5500, Bloomfield, New Mexico

Well ID	Date	T.O.C. (ft amsl)	Depth to Product (ft)	Depth to Water (ft)	NAPL Thickness (ft)	Corrected GW (ft)	pH	Conductivity (mS)	Temp. (°C)	ORP (mV)	Purge Volume (gallons)
MPE-50	29-Jun-15		20.66	21.31	0.65		NM	NM	NM	NM	NM
	24-Feb-16		20.74	21.55	0.81		NM	NM	NM	NM	NM
MPE-51	29-Jun-15			21.16			NM	NM	NM	NM	NM
	24-Feb-16		21.01	21.03	0.02		NM	NM	NM	NM	NM
MPE-52	29-Jun-15		20.92	21.06	0.14		NM	NM	NM	NM	NM
	24-Feb-16		21.09	21.31	0.22		NM	NM	NM	NM	NM
MPE-53	29-Jun-15		19.67	19.81	0.14		NM	NM	NM	NM	NM
	24-Feb-16		19.83	20.09	0.26		NM	NM	NM	NM	NM
MPE-54	29-Jun-15			19.40			NM	NM	NM	NM	NM
	24-Feb-16		19.55	19.59	0.04		NM	NM	NM	NM	NM
MPE-55	29-Jun-15			18.86			NM	NM	NM	NM	NM
	24-Feb-16		19.00	19.02	0.02		NM	NM	NM	NM	NM
MPE-56	29-Jun-15			14.29			NM	NM	NM	NM	NM
	24-Feb-16			14.42			NM	NM	NM	NM	NM
MPE-57	29-Jun-15			15.00			NM	NM	NM	NM	NM
	24-Feb-16			15.14			NM	NM	NM	NM	NM
MPE-58	29-Jun-15			15.24			NM	NM	NM	NM	NM
	24-Feb-16			15.39			NM	NM	NM	NM	NM
MPE-59	29-Jun-15			13.93			NM	NM	NM	NM	NM
	24-Feb-16			14.04			NM	NM	NM	NM	NM
MPE-60	29-Jun-15			14.21			NM	NM	NM	NM	NM
	24-Feb-16			14.34			NM	NM	NM	NM	NM
MPE-61	29-Jun-15			14.03			NM	NM	NM	NM	NM
	24-Feb-16			14.16			NM	NM	NM	NM	NM

TABLE 1
SUMMARY OF GROUNDWATER MEASUREMENTS AND WATER QUALITY DATA
Thriftway Refinery, 626 CR 5500, Bloomfield, New Mexico

Well ID	Date	T.O.C. (ft amsl)	Depth to Product (ft)	Depth to Water (ft)	NAPL Thickness (ft)	Corrected GW (ft)	pH	Conductivity (mS)	Temp. (°C)	ORP (mV)	Purge Volume (gallons)
MPE-62	29-Jun-15			14.36			NM	NM	NM	NM	NM
	24-Feb-16			14.53			NM	NM	NM	NM	NM
MPE-63	29-Jun-15		15.06	15.23	0.17		NM	NM	NM	NM	NM
	24-Feb-16			15.19			NM	NM	NM	NM	NM
MPE-64	29-Jun-15		15.36	15.44	0.08		NM	NM	NM	NM	NM
	24-Feb-16		15.45	15.88	0.43		NM	NM	NM	NM	NM
MPE-65	29-Jun-15		16.12	16.14	0.02		NM	NM	NM	NM	NM
	24-Feb-16		16.21	16.66	0.45		NM	NM	NM	NM	NM
MPE-66	29-Jun-15		16.32	16.35	0.03		NM	NM	NM	NM	NM
	24-Feb-16		16.45	16.55	0.10		NM	NM	NM	NM	NM
MPE-67	29-Jun-15		17.56	17.72	0.16		NM	NM	NM	NM	NM
	24-Feb-16		17.64	18.10	0.46		NM	NM	NM	NM	NM
MPE-68	29-Jun-15			15.83			NM	NM	NM	NM	NM
	24-Feb-16		15.83	15.85	0.02		NM	NM	NM	NM	NM
MPE-69	29-Jun-15			15.33			NM	NM	NM	NM	NM
	24-Feb-16			15.37			NM	NM	NM	NM	NM
MPE-70	29-Jun-16			15.60			NM	NM	NM	NM	NM
	24-Feb-16		15.65	16.17	0.52		NM	NM	NM	NM	NM
MPE-71	29-Jun-15			15.67			NM	NM	NM	NM	NM
	24-Feb-16		15.79	16.08	0.29		NM	NM	NM	NM	NM
MPE-72	29-Jun-15			16.01			NM	NM	NM	NM	NM
	24-Feb-16		16.14	16.20	0.06		NM	NM	NM	NM	NM
MPE-73	29-Jun-15		15.80	16.51	0.71		NM	NM	NM	NM	NM
	24-Feb-16		15.87	16.82	0.95		NM	NM	NM	NM	NM

TABLE 1
SUMMARY OF GROUNDWATER MEASUREMENTS AND WATER QUALITY DATA
Thriftway Refinery, 626 CR 5500, Bloomfield, New Mexico

Well ID	Date	T.O.C. (ft amsl)	Depth to Product (ft)	Depth to Water (ft)	NAPL Thickness (ft)	Corrected GW (ft)	pH	Conductivity (mS)	Temp. (°C)	ORP (mV)	Purge Volume (gallons)
MPE-74	29-Jun-15		14.73	15.31	0.58		NM	NM	NM	NM	NM
	24-Feb-16		14.84	15.44	0.60		NM	NM	NM	NM	NM
MPE-75	29-Jun-15		13.85	14.39	0.54		NM	NM	NM	NM	NM
	24-Feb-16		14.02	14.28	0.26		NM	NM	NM	NM	NM
MPE-76	29-Jun-15		12.81	12.96	0.15		NM	NM	NM	NM	NM
	24-Feb-16		12.92	13.06	0.14		NM	NM	NM	NM	NM
MPE-77	29-Jun-15		12.36	12.45	0.09		NM	NM	NM	NM	NM
	24-Feb-16		12.42	12.49	0.07		NM	NM	NM	NM	NM
MPE-78	29-Jun-15			11.41			NM	NM	NM	NM	NM
	24-Feb-16			11.49			NM	NM	NM	NM	NM
MPE-79	29-Jun-15			11.27			NM	NM	NM	NM	NM
	24-Feb-16			11.22			NM	NM	NM	NM	NM
MPE-80	29-Jun-15			8.84			NM	NM	NM	NM	NM
	24-Feb-16			8.77			NM	NM	NM	NM	NM
MPE-81	29-Jun-15		10.59	10.80	0.21		NM	NM	NM	NM	NM
	24-Feb-16		10.61	10.73	0.12		NM	NM	NM	NM	NM
MPE-82	29-Jun-15			10.80			NM	NM	NM	NM	NM
	24-Feb-16			10.91			NM	NM	NM	NM	NM
MPE-83	29-Jun-15		12.17	12.52	0.35		NM	NM	NM	NM	NM
	24-Feb-16		12.28	12.60	0.32		NM	NM	NM	NM	NM
MPE-84	29-Jun-15		15.91	16.19	0.28		NM	NM	NM	NM	NM
	24-Feb-16		15.98	16.30	0.32		NM	NM	NM	NM	NM
MPE-85	29-Jun-15		15.76	16.29	0.53		NM	NM	NM	NM	NM
	24-Feb-16		15.89	16.42	0.53		NM	NM	NM	NM	NM

TABLE 1
SUMMARY OF GROUNDWATER MEASUREMENTS AND WATER QUALITY DATA
Thriftway Refinery, 626 CR 5500, Bloomfield, New Mexico

Well ID	*Date*	*T.O.C. (ft amsl)*	*Depth to Product (ft)*	*Depth to Water (ft)*	*NAPL Thickness (ft)*	*Corrected GW (ft)*	*pH*	*Conductivity (mS)*	*Temp. (°C)*	*ORP (mV)*	*Purge Volume (gallons)*
MPE-86	**29-Jun-15**			**17.16**			**NM**	**NM**	**NM**	**NM**	**NM**
	24-Feb-16			**17.28**			**NM**	**NM**	**NM**	**NM**	**NM**
MPE-87	**29-Jun-15**		**15.63**	**15.94**	**0.31**		**NM**	**NM**	**NM**	**NM**	**NM**
	24-Feb-16		**15.78**	**16.16**	**0.38**		**NM**	**NM**	**NM**	**NM**	**NM**
MPE-88	**29-Jun-15**		**13.59**	**13.85**	**0.26**		**NM**	**NM**	**NM**	**NM**	**NM**
	24-Feb-16		**13.68**	**14.10**	**0.42**		**NM**	**NM**	**NM**	**NM**	**NM**
MPE-89	**29-Jun-15**		**14.61**	**14.69**	**0.08**		**NM**	**NM**	**NM**	**NM**	**NM**
	24-Feb-16		**14.71**	**15.14**	**0.43**		**NM**	**NM**	**NM**	**NM**	**NM**
MPE-90	**29-Jun-15**		**14.68**	**14.97**	**0.29**		**NM**	**NM**	**NM**	**NM**	**NM**
	24-Feb-16		**14.79**	**15.15**	**0.36**		**NM**	**NM**	**NM**	**NM**	**NM**

Notes: NM Not Measured

TABLE 2
SUMMARY OF GROUNDWATER ANALYTICAL RESULTS
(VOCs and TOTAL PETROLEUM HYDROCARBONS)
Thriftway Refinery, 626 CR 5500, Bloomfield, New Mexico

Well ID	Date Sampled	Benzene µg/L	Toluene µg/L	Ethyl-benzene µg/L	Xylenes µg/L	MTBE µg/L	Naph-thalene µg/L	GRO C6-C10 mg/L	DRO C10-C22 mg/L	MRO mg/L
Sample Method		EPA Method 8260						EPA Method 8015D		
NM WQCC STANDARD		10	750	750	620	100	30	NE	NE	NE
TW-1	15-Dec-08	<1.0	<1.0	<1.0	<1.5	<1.0	<10	<0.050	<1.0	<5.0
	19-Aug-09	<1.0	<1.0	<1.0	<1.5	<1.0	<2.0	<0.050	<1.0	<5.0
	16-Feb-16	**<2.0**	**<2.0**	**<2.0**	**<3.0**	**<2.0**	**<8.0**	**<0.10**	**<1.0**	**<5.0**
TW-2	15-Dec-08	<1.0	<1.0	<1.0	<1.5	<1.0	<10	<0.050	<1.0	<5.0
	19-Aug-09	<1.0	<1.0	<1.0	<1.5	<1.0	<2.0	<0.050	<1.0	<5.0
	16-Feb-16	**<1.0**	**<1.0**	**<1.0**	**<1.5**	**<1.0**	**<4.0**	**<0.050**	**<1.0**	**<5.0**
TW-3	15-Dec-08	<1.0	<1.0	<1.0	<1.5	<1.0	<10	<0.050	<1.0	<5.0
	19-Aug-09	<1.0	<1.0	<1.0	<1.5	<1.0	<2.0	<0.050	<1.0	<5.0
	26-Feb-16	**<2.0**	**<2.0**	**<2.0**	**<3.0**	**<2.0**	**<4.0**	**0.23**	**<1.0**	**<5.0**
TW-4	16-Dec-08	<1.0	<1.0	<1.0	<1.5	<1.0	<10	<0.050	<1.0	<5.0
	19-Aug-09	<1.0	<1.0	<1.0	<1.5	<1.0	<2.0	<0.050	<1.0	<5.0
	16-Feb-16	**<1.0**	**<1.0**	**<1.0**	**<1.5**	**<1.0**	**<4.0**	**<0.050**	**<1.0**	**<5.0**
TW-5	15-Dec-08	<1.0	<1.0	<1.0	<1.5	<1.0	<10	<0.050	<1.0	<5.0
	19-Aug-09	<1.0	<1.0	<1.0	<1.5	<1.0	<2.0	<0.050	<1.0	<5.0
	16-Feb-16	**<1.0**	**<1.0**	**<1.0**	**<1.5**	**<1.0**	**<4.0**	**<0.050**	**<1.0**	**<5.0**
TW-6	15-Dec-08	<1.0	<1.0	<1.0	<1.5	<1.0	<10	<0.050	<1.0	<5.0
	19-Aug-09	<1.0	<1.0	<1.0	<1.5	<1.0	<2.0	<0.050	<1.0	<5.0
	16-Feb-16	**<1.0**	**<1.0**	**<1.0**	**<1.5**	**<1.0**	**<2.0**	**<0.050**	**<1.0**	**<5.0**
TW-7	17-May-12	2.5	24	370	150	<1.0	**32**	NA	NA	NA
	26-Nov-12	<5.0	<5.0	120	20	<5.0	<10	1.3	<1.0	<5.0
	9-May-13	1.0	12	280	73	<1.0	12	NA	NA	NA
	16-Feb-16	**Not Sampled-NAPL present**								

TABLE 2
SUMMARY OF GROUNDWATER ANALYTICAL RESULTS
(VOCs and TOTAL PETROLEUM HYDROCARBONS)
Thriftway Refinery, 626 CR 5500, Bloomfield, New Mexico

Well ID	Date Sampled	Benzene µg/L	Toluene µg/L	Ethyl-benzene µg/L	Xylenes µg/L	MTBE µg/L	Naph-thalene µg/L	GRO C6-C10 mg/L	DRO C10-C22 mg/L	MRO mg/L
Sample Method		EPA Method 8260						EPA Method 8015D		
NM WQCC STANDARD		10	750	750	620	100	30	NE	NE	NE
TW-8	26-Nov-12	<1.0	<1.0	<1.0	<2.0	<1.0	<2.0	0.11	<1.0	<5.0
	9-May-13	4.3	<1.0	92	40	<1.0	<2.0	NA	NA	NA
	3-Dec-13	<1.0	<1.0	1.2	<1.5	<1.0	<2.0	0.31	<1.0	<5.0
	29-May-14	<1.0	<1.0	23.0	4.2	<1.0	<2.0	NA	NA	NA
	10-Dec-14	<1.0	<1.0	<1.0	<1.5	<1.0	<2.0	0.14	<1.0	<5.0
	16-Feb-16	**<1.0**	**<1.0**	**<1.0**	**<1.5**	**<1.0**	**<4.0**	**0.10**	**<1.0**	**<5.0**
TW-9	16-Dec-08	<1.0	<1.0	<1.0	<1.5	<1.0	<10	<0.050	<1.0	<5.0
	20-Aug-09	<1.0	<1.0	<1.0	<1.5	<1.0	<2.0	<0.050	<1.0	<5.0
	16-Feb-16	**<1.0**	**<1.0**	**<1.0**	**<1.5**	**<1.0**	**<4.0**	**<0.050**	**<1.0**	**<5.0**
TW-10	16-Dec-08	1.4	<1.0	3.9	9.9	<1.0	<10	0.29	<1.0	<5.0
	20-Aug-09	<1.0	<1.0	1.1	<1.5	<1.0	<2.0	<0.050	<1.0	<5.0
	16-Feb-16	**<1.0**	**<1.0**	**<1.0**	**<1.5**	**<1.0**	**<4.0**	**<0.050**	**<1.0**	**<5.0**
TW-11	17-Feb-10	<1.0	<1.0	<1.0	<2.0	<1.0	<2.0	<0.050	<1.0	<5.0
	11-May-10	<1.0	<1.0	<1.0	<2.0	<1.0	<2.0	<0.050	<1.0	<5.0
	17-Nov-11	<1.0	<1.0	<1.0	<2.0	<1.0	<2.0	<0.050	<1.0	<5.0
	17-Feb-16	**<1.0**	**<1.0**	**<1.0**	**<1.5**	**<1.0**	**<4.0**	**<0.050**	**<1.0**	**<5.0**
TW-12	17-Feb-10	1.3	<1.0	35	48	<1.0	2.4	0.43	<1.0	<5.0
	11-May-10	1.7	2.0	49	72	<1.0	<2.0	0.18	1.2	<5.0
	19-Aug-10	1.4	<1.0	53	65	<1.0	<2.0	0.40	<1.0	<5.0
	16-Feb-16	**Not Sampled-NAPL present**								

TABLE 2
SUMMARY OF GROUNDWATER ANALYTICAL RESULTS
(VOCs and TOTAL PETROLEUM HYDROCARBONS)
Thriftway Refinery, 626 CR 5500, Bloomfield, New Mexico

Well ID	Date Sampled	Benzene µg/L	Toluene µg/L	Ethyl-benzene µg/L	Xylenes µg/L	MTBE µg/L	Naph-thalene µg/L	GRO C6-C10 mg/L	DRO C10-C22 mg/L	MRO mg/L
Sample Method		EPA Method 8260						EPA Method 8015D		
NM WQCC STANDARD		10	750	750	620	100	30	NE	NE	NE
TW-13	18-Aug-10	Not Sampled-NAPL present								
	15-Nov-10	Not Sampled-NAPL present								
	18-May-11	Not Sampled-NAPL present (sheen)								
	15-Nov-11	Not Sampled-NAPL present								
	16-Feb-16	**Not Sampled-NAPL present**								
TW-14	17-Feb-10	Not Sampled-NAPL present								
	11-May-10	Not Sampled-NAPL present (sheen)								
	18-Aug-10	Not Sampled-NAPL present								
	18-May-11	Not Sampled-NAPL present (sheen)								
	15-Nov-11	Not Sampled-NAPL present								
	16-Feb-16	**Not Sampled-NAPL present**								
TW-15	17-May-12	11	1.6	37	<2.0	<1.0	<2.0	NA	NA	NA
	9-May-13	6.9	<1.0	13	<2.0	<1.0	<2.0	NA	NA	NA
	29-May-14	7.6	1.3	5.5	<2.0	<1.0	<2.0	NA	NA	NA
	17-Feb-16	**<1.0**	**<1.0**	**<1.0**	**<1.5**	**<1.0**	**<4.0**	**0.091**	**<1.0**	**<5.0**
TW-16	16-Dec-08	<1.0	<1.0	<1.0	<1.5	<1.0	<10	<0.050	<1.0	<5.0
	20-Aug-09	<1.0	<1.0	<1.0	<1.5	<1.0	<2.0	<0.050	<1.0	<5.0
	17-Feb-16	**<1.0**	**<1.0**	**<1.0**	**<1.5**	**<1.0**	**<4.0**	**<0.10**	**1.5**	**<5.0**
TW-17	16-Dec-08	<1.0	<1.0	<1.0	<1.5	<1.0	<10	<0.050	<1.0	<5.0
	21-Aug-09	<1.0	<1.0	<1.0	<1.5	<1.0	<2.0	<0.050	<1.0	<5.0
	17-Feb-16	**<1.0**	**<1.0**	**<1.0**	**<1.5**	**<1.0**	**<4.0**	**<0.050**	**3.3**	**<5.0**

TABLE 2
SUMMARY OF GROUNDWATER ANALYTICAL RESULTS
(VOCs and TOTAL PETROLEUM HYDROCARBONS)
Thriftway Refinery, 626 CR 5500, Bloomfield, New Mexico

Well ID	*Date Sampled*	*Benzene µg/L*	*Toluene µg/L*	*Ethyl-benzene µg/L*	*Xylenes µg/L*	*MTBE µg/L*	*Naph-thalene µg/L*	*GRO C6-C10 mg/L*	*DRO C10-C22 mg/L*	*MRO mg/L*
Sample Method		*EPA Method 8260*						*EPA Method 8015D*		
NM WQCC STANDARD		*10*	*750*	*750*	*620*	*100*	*30*	*NE*	*NE*	*NE*
TW-18	17-May-12	5.3	<1.0	31	<2.0	<1.0	<2.0	NA	NA	NA
	26-Nov-12	<1.0	<1.0	<1.0	<2.0	<1.0	<2.0	<0.050	<1.0	<5.0
	3-Dec-13	<1.0	<1.0	<1.0	<1.5	<1.0	<2.0	<0.050	<1.0	<5.0
	10-Dec-14	<1.0	<1.0	<1.0	<1.5	<1.0	<2.0	<0.050	<1.0	<5.0
	17-Feb-16	**<1.0**	**<1.0**	**<1.0**	**<1.5**	**<1.0**	**<4.0**	**<0.050**	**<1.0**	**<5.0**
TW-19	18-Aug-10	Not Sampled-NAPL present (sheen)								
	15-Nov-10	Not Sampled-NAPL present								
	18-May-11	Not Sampled-NAPL present								
	15-Nov-11	Not Sampled-NAPL present								
	17-Feb-16	**Not Sampled-NAPL present**								
TW-20	18-Aug-10	Attached to RSI Unit								
	18-Aug-10	Not Sampled-NAPL present								
	18-May-11	Not Sampled-NAPL present								
	15-Nov-11	Not Sampled-NAPL present								
	17-Feb-16	**Not Sampled-NAPL present**								
TW-21	7-May-10	Not Sampled-Surface Casing Damaged								
	18-Aug-10	Not Sampled-Surface Casing Damaged								
	15-Nov-10	Not Sampled-Surface Casing Damaged								
	18-May-11	Not Sampled-Surface Casing Damaged								
	17-Feb-16	**Not Sampled-NAPL present**								

TABLE 2
SUMMARY OF GROUNDWATER ANALYTICAL RESULTS
(VOCs and TOTAL PETROLEUM HYDROCARBONS)
Thriftway Refinery, 626 CR 5500, Bloomfield, New Mexico

Well ID	*Date Sampled*	*Benzene µg/L*	*Toluene µg/L*	*Ethyl-benzene µg/L*	*Xylenes µg/L*	*MTBE µg/L*	*Naph-thalene µg/L*	*GRO C6-C10 mg/L*	*DRO C10-C22 mg/L*	*MRO mg/L*
Sample Method		*EPA Method 8260*						*EPA Method 8015D*		
NM WQCC STANDARD		*10*	*750*	*750*	*620*	*100*	*30*	*NE*	*NE*	*NE*
TW-22	15-Nov-10	Not Sampled-NAPL present								
	18-May-11	Not Sampled-NAPL present								
	15-Nov-11	Not Sampled-NAPL present								
	29-May-14	4.0	<1.0	6.5	130	3.9	7.4	NA	NA	NA
	17-Feb-16	**<10**	**<10**	**<10**	**68**	**<10**	**<40**	**1.3**	**8.7**	**<5.0**
TW-23	18-Dec-08	<1.0	<1.0	93	<1.5	<1.0	<10	0.77	1.4	<5.0
	21-Aug-09	<1.0	<1.0	24	<1.5	<1.0	<2.0	0.34	<1.0	<5.0
	10-Dec-14	<1.0	<1.0	<1.0	<1.5	<1.0	<2.0	<0.10	<1.0	<5.0
	17-Feb-16	**<1.0**	**<1.0**	**<1.0**	**<1.5**	**<1.0**	**<4.0**	**<0.050**	**<1.0**	**<5.0**
TW-24	15-Nov-10	Not Sampled-NAPL present								
	18-May-11	Not Sampled-NAPL present								
	15-Nov-11	Not Sampled-NAPL present								
	10-Dec-14	<1.0	<1.0	<1.0	<1.5	<1.0	<2.0	0.068	<1.0	<5.0
	17-Feb-16	**<1.0**	**<1.0**	**<1.0**	**<1.5**	**1.1**	**<4.0**	**<0.050**	**8.0**	**<5.0**
TW-25	15-Nov-10	Not Sampled-NAPL present								
	18-May-11	Not Sampled-NAPL present								
	15-Nov-11	Not Sampled-NAPL present								
	17-Feb-16	**Not Sampled-NAPL present**								
TW-26	18-Aug-10	Not Sampled-NAPL present								
	15-Nov-10	Not Sampled-NAPL present								
	18-May-11	Not Sampled-NAPL present								
	15-Nov-11	Not Sampled-NAPL present								
	17-Feb-16	**Not Sampled-NAPL present**								

TABLE 2
SUMMARY OF GROUNDWATER ANALYTICAL RESULTS
(VOCs and TOTAL PETROLEUM HYDROCARBONS)
Thriftway Refinery, 626 CR 5500, Bloomfield, New Mexico

Well ID	Date Sampled	Benzene µg/L	Toluene µg/L	Ethyl-benzene µg/L	Xylenes µg/L	MTBE µg/L	Naph-thalene µg/L	GRO C6-C10 mg/L	DRO C10-C22 mg/L	MRO mg/L
Sample Method		EPA Method 8260						EPA Method 8015D		
NM WQCC STANDARD		10	750	750	620	100	30	NE	NE	NE
TW-28	18-Aug-10	Not Sampled-NAPL present								
	15-Nov-10	Not Sampled-NAPL present								
	18-May-11	Not Sampled-NAPL present								
	15-Nov-11	Not Sampled-NAPL present								
	17-Feb-16	**Not Sampled-NAPL present**								
TW-29	18-Aug-10	Not Sampled-NAPL present								
	15-Nov-10	Not Sampled-NAPL present								
	18-May-11	Not Sampled-NAPL present								
	15-Nov-11	Not Sampled-NAPL present								
	19-Feb-16	**6.4**	**<1.0**	**1.7**	**3**	**5.9**	**<2.0**	**0.390**	**2.2**	**<5.0**
TW-30	15-Nov-10	3.8	<1.0	<1.0	<1.5	14	<2.0	0.15	<1.0	<5.0
	17-Nov-11	4.9	<1.0	<1.0	<2.0	7.9	<2.0	0.16	<1.0	<5.0
	27-Nov-12	2.9	<1.0	<1.0	<2.0	6.3	<2.0	0.16	<1.0	<5.0
	3-Dec-13	1.4	<1.0	<1.0	<1.5	7.9	<2.0	0.056	<1.0	<5.0
	10-Dec-14	<1.0	<1.0	<1.0	<1.5	7.7	<2.0	<0.050	<1.0	<5.0
	19-Feb-16	**<1.0**	**<1.0**	**<1.0**	**<1.5**	**10**	**<2.0**	**<0.10**	**<1.0**	**<5.0**
TW-31	16-Nov-10	<1.0	<1.0	<1.0	<1.5	6.5	<2.0	<0.050	<1.0	<5.0
	17-Nov-11	<1.0	<1.0	<1.0	<2.0	1.7	<2.0	<0.050	<1.0	<5.0
	27-Nov-12	<1.0	<1.0	<1.0	<2.0	5.4	<2.0	<0.050	<1.0	<5.0
	3-Dec-13	<1.0	<1.0	<1.0	<1.5	2.8	<2.0	<0.050	<1.0	<5.0
	10-Dec-14	<1.0	<1.0	<1.0	<1.5	5.8	<2.0	<0.050	<1.0	<5.0
	19-Feb-16	**<1.0**	**<1.0**	**<1.0**	**<1.5**	**10**	**<2.0**	**<0.050**	**<1.0**	**<5.0**

TABLE 2
SUMMARY OF GROUNDWATER ANALYTICAL RESULTS
(VOCs and TOTAL PETROLEUM HYDROCARBONS)
Thriftway Refinery, 626 CR 5500, Bloomfield, New Mexico

Well ID	*Date Sampled*	*Benzene µg/L*	*Toluene µg/L*	*Ethyl-benzene µg/L*	*Xylenes µg/L*	*MTBE µg/L*	*Naph-thalene µg/L*	*GRO C6-C10 mg/L*	*DRO C10-C22 mg/L*	*MRO mg/L*
Sample Method		*EPA Method 8260*						*EPA Method 8015D*		
NM WQCC STANDARD		*10*	*750*	*750*	*620*	*100*	*30*	*NE*	*NE*	*NE*
TW-32	17-Feb-10	Not Sampled-NAPL present								
	7-May-10	Not Sampled-NAPL present								
	18-Aug-10	Not Sampled-NAPL present								
	15-Nov-10	Not Sampled-NAPL present								
	18-May-11	Not Sampled-NAPL present								
	15-Nov-11	Not Sampled-NAPL present								
	17-Feb-16	**Not Sampled-NAPL present**								
TW-32	18-Aug-10	Not Sampled-NAPL present								
	15-Nov-10	Not Sampled-NAPL present								
	18-May-11	Not Sampled-NAPL present								
	15-Nov-11	Not Sampled-NAPL present								
	17-Feb-16	**Not Sampled-NAPL present**								
TW-34	18-Feb-10	<1.0	<1.0	<1.0	<2.0	<1.0	<2.0	<0.050	<1.0	<5.0
	12-May-10	<1.0	<1.0	<1.0	<2.0	<1.0	<2.0	<0.050	<1.0	<5.0
	22-Nov-11	<1.0	<1.0	<1.0	<2.0	<1.0	<2.0	<0.050	<1.0	<5.0
	23-Feb-16	**<1.0**	**<1.0**	**<1.0**	**<1.5**	**<1.0**	**<2.0**	**<0.050**	**<1.0**	**<5.0**
TW-35	18-Feb-10	<1.0	<1.0	<1.0	<2.0	<1.0	<2.0	<0.050	<1.0	<5.0
	12-May-10	<1.0	<1.0	<1.0	<2.0	<1.0	<2.0	<0.050	<1.0	<5.0
	17-Nov-10	<1.0	<1.0	<1.0	<1.5	<1.0	<2.0	<0.050	<1.0	<5.0
	22-Nov-11	<1.0	<1.0	<1.0	<2.0	<1.0	<2.0	<0.050	<1.0	<5.0
	17-Feb-16	**Not Sampled-NAPL present**								

TABLE 2
SUMMARY OF GROUNDWATER ANALYTICAL RESULTS
(VOCs and TOTAL PETROLEUM HYDROCARBONS)
Thriftway Refinery, 626 CR 5500, Bloomfield, New Mexico

Well ID	Date Sampled	Benzene µg/L	Toluene µg/L	Ethyl-benzene µg/L	Xylenes µg/L	MTBE µg/L	Naph-thalene µg/L	GRO C6-C10 mg/L	DRO C10-C22 mg/L	MRO mg/L
Sample Method		EPA Method 8260						EPA Method 8015D		
NM WQCC STANDARD		10	750	750	620	100	30	NE	NE	NE
TW-36	18-May-11	Not Sampled-NAPL present								
	15-Nov-11	Not Sampled-NAPL present								
	29-May-14	<1.0	<1.0	<1.0	<2.0	1.1	<2.0	NA	NA	NA
	24-Jun-15	**<2.0**	**<2.0**	**<2.0**	**<3.0**	**<2.0**	**<4.0**	**0.31**	**2.1**	**<5.0**
	22-Feb-16	**<1.0**	**<1.0**	**<1.0**	**<1.5**	**1.2**	**<2.0**	**<0.050**	**<1.0**	**<5.0**
TW-37	27-Nov-12	140	<5.0	13	<10	120	<10	2.0	18	<5.0
	9-May-13	250	<1.0	80	2.9	83	<2.0	NA	NA	NA
	3-Dec-13	130	<5.0	41	11	95	<10	1.4	1.4	<5.0
	29-May-14	210	<1.0	110	70	63	3.3	NA	NA	NA
	10-Dec-14	140	<5.0	72	<7.5	68	<10	1.4	<1.0	<5.0
	24-Jun-15	**270**	**<10**	**140**	**62**	**70**	**<20**	**2.7**	**3.4**	**<5.0**
	25-Feb-16	**130**	**<10**	**50**	**<15**	**68**	**<20**	**1.9**	**<1.0**	**<5.0**
TW-38	15-Nov-11	Not Sampled-NAPL present								
	29-May-14	8.2	<1.0	5.1	77	60	6.2	NA	NA	NA
	24-Jun-15	**11**	**<10**	**<10**	**48**	**59**	**<20**	**1.5**	**4.0**	**<5.0**
	25-Feb-16	**8**	**<1.0**	**6.5**	**50**	**52**	**4.6**	**0.97**	**<1.0**	**<5.0**
TW-39	17-May-12	3.3	<1.0	1.1	<2.0	8.5	<2.0	NA	NA	NA
	27-Nov-12	<1.0	<1.0	<1.0	<2.0	11	<2.0	0.76	<1.0	<5.0
	3-Dec-13	1.2	<1.0	<1.0	<1.5	7.1	<2.0	0.76	<1.0	<5.0
	29-May-14	<1.0	<1.0	<1.0	<2.0	8.2	<2.0	NA	NA	NA
	11-Dec-14	<1.0	<1.0	<1.0	<1.5	6.9	<2.0	0.35	<1.0	<5.0
	24-Jun-15	**<1.0**	**<1.0**	**<1.0**	**<1.5**	**9.8**	**<2.0**	**0.41**	**<1.0**	**<5.0**
	19-Feb-16	**<1.0**	**<1.0**	**<1.0**	**<1.5**	**8.8**	**<2.0**	**0.35**	**<1.0**	**<5.0**

TABLE 2
SUMMARY OF GROUNDWATER ANALYTICAL RESULTS
(VOCs and TOTAL PETROLEUM HYDROCARBONS)
Thriftway Refinery, 626 CR 5500, Bloomfield, New Mexico

Well ID	Date Sampled	Benzene µg/L	Toluene µg/L	Ethyl-benzene µg/L	Xylenes µg/L	MTBE µg/L	Naph-thalene µg/L	GRO C6-C10 mg/L	DRO C10-C22 mg/L	MRO mg/L
Sample Method		EPA Method 8260						EPA Method 8015D		
NM WQCC STANDARD		10	750	750	620	100	30	NE	NE	NE
TW-40	18-May-11	Not Sampled-NAPL present								
	15-Nov-11	Not Sampled-NAPL present								
	17-Feb-16	**Not Sampled-NAPL present**								
TW-41	27-Nov-12	100	<10	470	1,800	14	48	8.8	1.6	<5.0
	10-May-13	47	<5.0	410	1,400	12	50	NA	NA	NA
	3-Dec-13	45	<10	470	1,600	<10	34	8.1	4.3	<5.0
	29-May-14	35	<5.0	190	470	9.5	<10	NA	NA	NA
	11-Dec-14	88	<10	480	1,600	<10	39	9.0	2.4	<5.0
	24-Jun-15	**68**	**<5.0**	**460**	**1,300**	**11**	**30**	**7.3**	**1.2**	**<5.0**
	22-Feb-16	**25**	**<10**	**270**	**710**	**<10**	**<20**	**4.4**	**5.1**	**<5.0**
TW-42	10-May-13	<1.0	<1.0	<1.0	<2.0	7.9	<2.0	NA	NA	NA
	4-Dec-13	<1.0	<1.0	<1.0	<1.5	7.4	<2.0	<0.050	<1.0	<5.0
	29-May-14	<1.0	<1.0	<1.0	<2.0	<1.0	<2.0	NA	NA	NA
	11-Dec-14	<2.0	<2.0	<2.0	<3.0	7.3	<4.0	<0.050	<1.0	<5.0
	24-Jun-15	**<1.0**	**<1.0**	**<1.0**	**<1.5**	**25**	**<2.0**	**0.15**	**<1.0**	**<5.0**
	22-Feb-16	**<1.0**	**<1.0**	**<1.0**	**<1.5**	**23**	**<2.0**	**0.11**	**<1.0**	**<5.0**
TW-43	28-Nov-12	<1.0	<1.0	<1.0	<2.0	270	<2.0	0.20	<1.0	<5.0
	13-May-13	<1.0	<1.0	<1.0	<2.0	420	<2.0	NA	NA	NA
	4-Dec-13	<1.0	<1.0	<1.0	<1.5	410	<2.0	0.29	<1.0	<5.0
	30-May-14	<1.0	<1.0	<1.0	<2.0	310	<2.0	NA	NA	NA
	11-Dec-14	<2.0	<2.0	<2.0	<3.0	330	<4.0	0.36	<1.0	<5.0
	24-Jun-15	**<2.0**	**<2.0**	**<2.0**	**<3.0**	**300**	**<4.0**	**0.71**	**<1.0**	**<5.0**
	22-Feb-16	**<1.0**	**<1.0**	**<1.0**	**<1.5**	**380**	**<2.0**	**0.44**	**<1.0**	**<5.0**

TABLE 2
SUMMARY OF GROUNDWATER ANALYTICAL RESULTS
(VOCs and TOTAL PETROLEUM HYDROCARBONS)
Thriftway Refinery, 626 CR 5500, Bloomfield, New Mexico

Well ID	*Date Sampled*	*Benzene µg/L*	*Toluene µg/L*	*Ethyl-benzene µg/L*	*Xylenes µg/L*	*MTBE µg/L*	*Naph-thalene µg/L*	*GRO C6-C10 mg/L*	*DRO C10-C22 mg/L*	*MRO mg/L*
Sample Method		*EPA Method 8260*						*EPA Method 8015D*		
NM WQCC STANDARD		*10*	*750*	*750*	*620*	*100*	*30*	*NE*	*NE*	*NE*
TW-44	7-May-10	Not Sampled-NAPL present								
	18-Aug-10	Not Sampled-NAPL present								
	15-Nov-10	Not Sampled-NAPL present								
	18-May-11	Not Sampled-NAPL present								
	15-Nov-11	Not Sampled-NAPL present								
	22-Feb-16	**Not Sampled-NAPL present**								
TW-45	28-Nov-12	<1.0	<1.0	<1.0	<2.0	**280**	<2.0	0.17	<1.0	<5.0
	13-May-13	<1.0	<1.0	<1.0	<2.0	99	<2.0	NA	NA	NA
	4-Dec-13	<1.0	<1.0	<1.0	<1.5	97	<2.0	0.13	<1.0	<5.0
	30-May-14	<1.0	<1.0	<1.0	<2.0	**170**	<2.0	NA	NA	NA
	11-Dec-14	<1.0	<1.0	<1.0	<1.5	79	<2.0	0.13	<1.0	<5.0
	24-Jun-15	**<1.0**	**<1.0**	**<1.0**	**<1.5**	**81**	**<2.0**	**0.10**	**<1.0**	**<5.0**
	23-Feb-16	**<1.0**	**<1.0**	**<1.0**	**<1.5**	**66**	**<2.0**	**0.15**	**<1.0**	**<5.0**
TW-46	28-Nov-12	<1.0	<1.0	<1.0	<2.0	46	<2.0	<0.050	<1.0	<5.0
	4-Dec-13	<1.0	<1.0	<1.0	<1.5	7.6	<2.0	<0.050	<1.0	<5.0
	11-Dec-14	<1.0	<1.0	<1.0	<1.5	9.7	<2.0	<0.050	<1.0	<5.0
	24-Jun-15	**<1.0**	**<1.0**	**<1.0**	**<1.5**	**10**	**<2.0**	**0.210**	**<1.0**	**<5.0**
	23-Feb-16	**<1.0**	**<1.0**	**<1.0**	**<1.5**	**17**	**<2.0**	**<0.10**	**<1.0**	**<5.0**
TW-47	28-Nov-12	<1.0	<1.0	<1.0	<2.0	28	<2.0	<0.050	<1.0	<5.0
	4-Dec-13	<1.0	<1.0	<1.0	<1.5	1.3	<2.0	<0.050	<1.0	<5.0
	11-Dec-14	<1.0	<1.0	<1.0	<1.5	21	<2.0	<0.050	<1.0	<5.0
	24-Jun-15	**<1.0**	**<1.0**	**<1.0**	**<1.5**	**13**	**<2.0**	**<0.050**	**<1.0**	**<5.0**
	26-Feb-16	**<1.0**	**<1.0**	**<1.0**	**<1.5**	**18**	**<2.0**	**<0.050**	**<1.0**	**<5.0**

TABLE 2
SUMMARY OF GROUNDWATER ANALYTICAL RESULTS
(VOCs and TOTAL PETROLEUM HYDROCARBONS)
Thriftway Refinery, 626 CR 5500, Bloomfield, New Mexico

Well ID	Date Sampled	Benzene µg/L	Toluene µg/L	Ethyl-benzene µg/L	Xylenes µg/L	MTBE µg/L	Naph-thalene µg/L	GRO C6-C10 mg/L	DRO C10-C22 mg/L	MRO mg/L
Sample Method		EPA Method 8260						EPA Method 8015D		
NM WQCC STANDARD		10	750	750	620	100	30	NE	NE	NE
TW-48	19-Aug-10	<1.0	<1.0	<1.0	<2.0	16	<2.0	0.067	<1.0	<5.0
	12-Dec-14	<2.0	<2.0	<2.0	<3.0	6.6	<4.0	<0.10	<1.0	<5.0
	25-Jun-15	**<1.0**	**<1.0**	**<1.0**	**<1.5**	**9.6**	**<2.0**	**0.440**	**<1.0**	**<5.0**
	19-Feb-16	**<1.0**	**<1.0**	**<1.0**	**<1.5**	**6.5**	**<2.0**	**<0.10**	**<1.0**	**<5.0**
TW-49	3-Dec-12	<10	<10	<10	<20	<10	<20	<0.50	<1.0	<5.0
	4-Dec-13	<10	<10	<10	<15	11	<20	<0.50	<1.0	<5.0
	12-Dec-14	<2.0	<2.0	<2.0	<3.0	8.2	<4.0	<0.10	<1.0	<5.0
	24-Jun-15	**<2.0**	**<2.0**	**<2.0**	**<3.0**	**16**	**<4.0**	**0.28**	**<1.0**	**<5.0**
	26-Feb-16	**<1.0**	**<1.0**	**<1.0**	**<1.5**	**15**	**<2.0**	**<0.050**	**<1.0**	**<5.0**
TW-50	21-May-12	2.9	<1.0	23	19	17	<2.0	NA	NA	NA
	4-Dec-12	<1.0	<1.0	2.3	3.1	19	<2.0	0.22	<1.0	<5.0
	26-Feb-16	**Not Sampled-NAPL present**								
TW-51	5-Dec-13	<1.0	<1.0	<1.0	<1.5	300	<2.0	0.31	<1.0	<5.0
	12-Dec-14	<2.0	<2.0	<2.0	<3.0	190	<4.0	0.38	<1.0	<5.0
	24-Jun-15	**<1.0**	**<1.0**	**<1.0**	**<1.5**	**320**	**<2.0**	**0.40**	**<1.0**	**<5.0**
	26-Feb-16	**<2.0**	**<2.0**	**<2.0**	**<3.0**	**210**	**<4.0**	**0.70**	**<1.0**	**<5.0**
TW-52	13-May-13	<1.0	<1.0	<1.0	<2.0	240	<2.0	NA	NA	NA
	5-Dec-13	<1.0	<1.0	<1.0	<1.5	76	<2.0	0.075	<1.0	<5.0
	30-May-14	<1.0	<1.0	<1.0	<2.0	88	<2.0	NA	NA	NA
	12-Dec-14	<2.0	<2.0	<2.0	<3.0	86	<4.0	0.09	<1.0	<5.0
	24-Jun-15	**<1.0**	**<1.0**	**<1.0**	**<1.5**	**64**	**<2.0**	**0.15**	**<1.0**	**<5.0**
	26-Feb-16	**<1.0**	**<1.0**	**<1.0**	**<1.5**	**93**	**<4.0**	**0.11**	**<1.0**	**<5.0**

TABLE 2
SUMMARY OF GROUNDWATER ANALYTICAL RESULTS
(VOCs and TOTAL PETROLEUM HYDROCARBONS)
Thriftway Refinery, 626 CR 5500, Bloomfield, New Mexico

Well ID	Date Sampled	Benzene µg/L	Toluene µg/L	Ethyl-benzene µg/L	Xylenes µg/L	MTBE µg/L	Naph-thalene µg/L	GRO C6-C10 mg/L	DRO C10-C22 mg/L	MRO mg/L
Sample Method		EPA Method 8260						EPA Method 8015D		
NM WQCC STANDARD		10	750	750	620	100	30	NE	NE	NE
TW-53	22-Jan-13	<1.0	<1.0	<1.0	<2.0	16	<2.0	NA	NA	NA
	13-May-13	<1.0	<1.0	<1.0	<2.0	14	<2.0	NA	NA	NA
	5-Dec-13	<1.0	<1.0	<1.0	<1.5	12	<2.0	<0.050	<1.0	<5.0
	12-Dec-14	<1.0	<1.0	<1.0	<1.5	13	<2.0	<0.050	<1.0	<5.0
	25-Jun-15	**<1.0**	**<1.0**	**<1.0**	**<1.5**	**6.8**	**<2.0**	**<0.050**	**<1.0**	**<5.0**
	26-Feb-16	**<1.0**	**<1.0**	**<1.0**	**<1.5**	**9.7**	**<2.0**	**<0.050**	**<1.0**	**<5.0**
TW-54	13-May-13	<1.0	<1.0	<1.0	<2.0	22	<2.0	NA	NA	NA
	6-Dec-13	<1.0	<1.0	<1.0	<1.5	21	<2.0	<0.050	<1.0	<5.0
	30-May-14	<1.0	<1.0	<1.0	<2.0	20	<2.0	NA	NA	NA
	12-Dec-14	<1.0	<1.0	<1.0	<1.5	18	<2.0	<0.050	<1.0	<5.0
	25-Jun-15	**<1.0**	**<1.0**	**<1.0**	**<1.5**	**18**	**<2.0**	**<0.050**	**<1.0**	**<5.0**
	26-Feb-16	**<1.0**	**<1.0**	**<1.0**	**<1.5**	**19**	**<2.0**	**<0.050**	**<1.0**	**<5.0**
MW-4	**19-Feb-16**	**<1.0**	**<1.0**	**<1.0**	**<1.5**	**47**	**<2.0**	**0.083**	**<1.0**	**<5.0**
MW-5	**25-Jun-15**	**<1.0**	**<1.0**	**<1.0**	**<1.5**	**39**	**<2.0**	**0.13**	**<1.0**	**<5.0**
	22-Feb-16	**<1.0**	**<1.0**	**<1.0**	**<1.5**	**<1.0**	**<2.0**	**<0.050**	**<1.0**	**<5.0**
MW-6	**19-Feb-16**	**<1.0**	**<1.0**	**<1.0**	**<1.5**	**77**	**<2.0**	**0.094**	**<1.0**	**<5.0**
MW-7	13-May-13	<1.0	<1.0	<1.0	<2.0	110	<2.0	NA	NA	NA
	6-Dec-13	1.1	<1.0	<1.0	<1.5	10	<2.0	<0.050	<1.0	<5.0
	30-May-14	2.9	<1.0	<1.0	<2.0	23	<2.0	NA	NA	NA
	12-Dec-14	<1.0	<1.0	<1.0	<1.5	59	<2.0	0.065	<1.0	<5.0
	25-Jun-15	**1.4**	**<1.0**	**<1.0**	**<1.5**	**15**	**NA**	**0.11**	**<1.0**	**<5.0**
	19-Feb-16	**<1.0**	**<1.0**	**<1.0**	**<1.5**	**8**	**<2.0**	**<0.050**	**<1.0**	**<5.0**

TABLE 2
SUMMARY OF GROUNDWATER ANALYTICAL RESULTS
(VOCs and TOTAL PETROLEUM HYDROCARBONS)
Thriftway Refinery, 626 CR 5500, Bloomfield, New Mexico

Well ID	Date Sampled	Benzene µg/L	Toluene µg/L	Ethyl-benzene µg/L	Xylenes µg/L	MTBE µg/L	Naph-thalene µg/L	GRO C6-C10 mg/L	DRO C10-C22 mg/L	MRO mg/L
Sample Method		EPA Method 8260						EPA Method 8015D		
NM WQCC STANDARD		10	750	750	620	100	30	NE	NE	NE
MW-9	1-Mar-16	<1.0	<1.0	<1.0	<1.5	<1.0	<2.0	<0.10	<1.0	<5.0
MW-10	1-Mar-16	<1.0	<1.0	<1.0	<1.5	<1.0	<2.0	<0.10	<1.0	<5.0
MW-12	25-Feb-16	Not Sampled-NAPL present								
MW-13	25-Feb-16	<10	<10	<10	<15	<10	<20	<0.05	25	<5.0
MW-16	25-Feb-16	<1.0	<1.0	<1.0	<1.5	<1.0	<2.0	0.160	<1.0	<5.0
MW-17	25-Feb-16	<1.0	<1.0	<1.0	<1.5	<1.0	<0.50	0.050	<1.0	<5.0
MW-18	25-Feb-16	<1.0	<1.0	<1.0	<1.5	4.4	<2.0	<0.05	<1.0	<5.0
MW-19	25-Feb-16	<1.0	<1.0	<1.0	<1.5	130	<2.0	0.240	<1.0	<5.0
MW-20	13-May-13	<1.0	<1.0	<1.0	<2.0	120	<2.0	NA	NA	NA
	6-Dec-13	<1.0	<1.0	<1.0	<1.5	190	<2.0	1.1	<1.0	<5.0
	30-May-14	<1.0	<1.0	<1.0	<2.0	160	<2.0	NA	NA	NA
	11-Dec-14	<1.0	<1.0	<1.0	<1.5	70	<2.0	0.74	<1.0	<5.0
	24-Jun-15	<1.0	<1.0	<1.0	<1.5	130	<2.0	0.91	<1.0	<5.0
	23-Feb-16	<1.0	<1.0	<1.0	<1.5	110	<2.0	0.81	<1.0	<5.0
MW-21	6-Dec-13	<1.0	<1.0	<1.0	<1.5	78	<2.0	0.08	<1.0	<5.0
	30-May-14	<1.0	<1.0	<1.0	<2.0	83	<2.0	NA	NA	NA
	11-Dec-14	<1.0	<1.0	<1.0	<1.5	66	<2.0	0.07	<1.0	<5.0
	24-Jun-15	<1.0	<1.0	<1.0	<1.5	67	<2.0	0.11	<1.0	<5.0
	26-Feb-16	<1.0	<1.0	<1.0	<1.5	47	<2.0	0.06	<1.0	<5.0
MW-23	26-Feb-16	Not Sampled-Dry								
MW-25	26-Feb-16	Not Sampled-Dry								

TABLE 2
SUMMARY OF GROUNDWATER ANALYTICAL RESULTS
(VOCs and TOTAL PETROLEUM HYDROCARBONS)
Thriftway Refinery, 626 CR 5500, Bloomfield, New Mexico

Well ID	*Date Sampled*	*Benzene µg/L*	*Toluene µg/L*	*Ethyl-benzene µg/L*	*Xylenes µg/L*	*MTBE µg/L*	*Naph-thalene µg/L*	*GRO C6-C10 mg/L*	*DRO C10-C22 mg/L*	*MRO mg/L*
Sample Method		*EPA Method 8260*						*EPA Method 8015D*		
NM WQCC STANDARD		*10*	*750*	*750*	*620*	*100*	*30*	*NE*	*NE*	*NE*
MW-27	26-Feb-16	**Not Sampled-Dry**								
RW-24	26-Feb-16	**Not Sampled-NAPL present**								
RW-25	26-Feb-16	**Not Sampled-NAPL present**								

Notes:

*	**Sample analyzed per EPA Method 8021 instead of EPA Method 8260**
<	**Analyte not detected above listed method limit**
NA	**Not analyzed**
NE	**Not established**
ug/L	**Micrograms per liter (ppb)**
mg/L	**Milligrams per liter (ppm)**
GRO	**Gasoline range organics**
DRO	**Diesel range organics**
MRO	**Motor oil range organics**

TABLE 3
SUMMARY OF GROUNDWATER ANALYTICAL RESULTS
POLYNUCLEAR AROMATIC HYDROCARBONS
Thriftway Refinery, 626 CR 5500, Bloomfield, New Mexico

Well ID	Date Sampled	Naphth-alene	Fluorene	Phenan-threne	Anthra-cene	Fluro-anthene	Pyrene	Benz(a)-anthracene	Chrysene	Benzo(b)-fluoran-thene	Benzo(a)pyrene	Dibenz-(a,h)anth-racene	Benzo-(g,h,i) perylene	Indeno (1,2,3-cd) pyrene
		µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
Sample Method		EPA Method 8270C												
NM WQCC STANDARD		30	NE	NE	NE	NE	NE	NE	NE	NE	0.7	NE	NE	NE
TW-1	16-Feb-16	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
TW-2	16-Feb-16	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
TW-3	26-Feb-16	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
TW-4	16-Feb-16	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
TW-5	16-Feb-16	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
TW-6	16-Feb-16	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
TW-7	16-Feb-16	Not Sampled-NAPL present												
TW-8	16-Feb-16	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
TW-9	16-Feb-16	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
TW-10	16-Feb-16	26	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
TW-11	17-Feb-16	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
TW-12	16-Feb-16	Not Sampled-NAPL present												
TW-13	16-Feb-16	Not Sampled-NAPL present												
TW-14	16-Feb-16	Not Sampled-NAPL present												
TW-15	17-Feb-16	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
TW-16	17-Feb-16	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
TW-17	17-Feb-16	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
TW-18	17-Feb-16	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
TW-19	17-Feb-16	Not Sampled-NAPL present												
TW-20	17-Feb-16	Not Sampled-NAPL present												
TW-21	17-Feb-16	Not Sampled-NAPL present												

TABLE 3
SUMMARY OF GROUNDWATER ANALYTICAL RESULTS
POLYNUCLEAR AROMATIC HYDROCARBONS
Thriftway Refinery, 626 CR 5500, Bloomfield, New Mexico

Well ID	Date Sampled	Naphth-alene	Fluorene	Phenan-threne	Anthra-cene	Fluro-anthene	Pyrene	Benz(a)-anthracene	Chrysene	Benzo(b)-fluoran-thene	Benzo(a)pyrene	Dibenz-(a,h)anth-racene	Benzo-(g,h,i) perylene	Indeno (1,2,3-cd) pyrene
		µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
Sample Method		EPA Method 8270C												
NM WQCC STANDARD		30	NE	NE	NE	NE	NE	NE	NE	NE	0.7	NE	NE	NE
TW-22	17-Feb-16	76	6.1	5.2	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
TW-23	17-Feb-16	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
TW-24	17-Feb-16	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
TW-25	15-Nov-10	Not Sampled-NAPL present												
	18-May-11	Not Sampled-NAPL present												
	15-Nov-11	Not Sampled-NAPL present												
	17-Feb-16	Not Sampled-NAPL present												
TW-26	15-Nov-10	Not Sampled-NAPL present												
	18-May-11	Not Sampled-NAPL present												
	15-Nov-11	Not Sampled-NAPL present												
	17-Feb-16	Not Sampled-NAPL present												
TW-28	15-Nov-10	Not Sampled-NAPL present												
	18-May-11	Not Sampled-NAPL present												
	15-Nov-11	Not Sampled-NAPL present												
	17-Feb-16	Not Sampled-NAPL present												
TW-29	15-Nov-10	Not Sampled-NAPL present												
	18-May-11	Not Sampled-NAPL present												
	15-Nov-11	Not Sampled-NAPL present												
	19-Feb-16	3.5	2.8	1.7	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
TW-30	15-Nov-10	3.8	<1.0	<1.0	<1.5	14	<2.0	0.15	<1.0	NA	NA	NA	NA	NA
	17-Nov-11	4.9	<1.0	<1.0	<2.0	7.9	<2.0	0.16	<1.0	NA	NA	NA	NA	NA
	27-Nov-12	2.9	<1.0	<1.0	<2.0	6.3	<2.0	0.16	<1.0	NA	NA	NA	NA	NA
	3-Dec-13	1.4	<1.0	<1.0	<1.5	7.9	<2.0	0.056	<1.0	NA	NA	NA	NA	NA
	10-Dec-14	<1.0	<1.0	<1.0	<1.5	7.7	<2.0	<0.050	<1.0	NA	NA	NA	NA	NA
	19-Feb-16	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50

TABLE 3
SUMMARY OF GROUNDWATER ANALYTICAL RESULTS
POLYNUCLEAR AROMATIC HYDROCARBONS
Thriftway Refinery, 626 CR 5500, Bloomfield, New Mexico

Well ID	Date Sampled	Naphth-alene	Fluorene	Phenan-threne	Anthra-cene	Fluro-anthene	Pyrene	Benz(a)-anthracene	Chrysene	Benzo(b)-fluoran-thene	Benzo(a)pyrene	Dibenz-(a,h)anth-racene	Benzo-(g,h,i) perylene	Indeno (1,2,3-cd) pyrene
		µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
Sample Method		EPA Method 8270C												
NM WQCC STANDARD		30	NE	NE	NE	NE	NE	NE	NE	NE	0.7	NE	NE	NE
TW-31	17-Nov-11	<1.0	<1.0	<1.0	<2.0	1.7	<2.0	<0.050	<1.0	NA	NA	NA	NA	NA
	27-Nov-12	<1.0	<1.0	<1.0	<2.0	5.4	<2.0	<0.050	<1.0	NA	NA	NA	NA	NA
	3-Dec-13	<1.0	<1.0	<1.0	<1.5	2.8	<2.0	<0.050	<1.0	NA	NA	NA	NA	NA
	10-Dec-14	<1.0	<1.0	<1.0	<1.5	5.8	<2.0	<0.050	<1.0	NA	NA	NA	NA	NA
	19-Feb-16	**<0.50**	**<0.50**	**<0.50**	**<0.50**	**<0.50**	**<0.50**	**<0.50**	**<0.50**	**<0.50**	**<0.50**	**<0.50**	**<0.50**	**<0.50**
TW-32	15-Nov-10	Not Sampled-NAPL present												
	18-May-11	Not Sampled-NAPL present												
	15-Nov-11	Not Sampled-NAPL present												
	17-Feb-16	**Not Sampled-NAPL present**												
TW-33	15-Nov-10	Not Sampled-NAPL present												
	18-May-11	Not Sampled-NAPL present												
	15-Nov-11	Not Sampled-NAPL present												
	17-Feb-16	**Not Sampled-NAPL present**												
TW-34	18-Feb-10	<1.0	<1.0	<1.0	<2.0	<1.0	<2.0	<0.050	<1.0	NA	NA	NA	NA	NA
	12-May-10	<1.0	<1.0	<1.0	<2.0	<1.0	<2.0	<0.050	<1.0	NA	NA	NA	NA	NA
	22-Nov-11	<1.0	<1.0	<1.0	<2.0	<1.0	<2.0	<0.050	<1.0	NA	NA	NA	NA	NA
	23-Feb-16	**<0.50**	**<0.50**	**<0.50**	**<0.50**	**<0.50**	**<0.50**	**<0.50**	**<0.50**	**<0.50**	**<0.50**	**<0.50**	**<0.50**	**<0.50**
TW-35	12-May-10	<1.0	<1.0	<1.0	<2.0	<1.0	<2.0	<0.050	<1.0	NA	NA	NA	NA	NA
	17-Nov-10	<1.0	<1.0	<1.0	<1.5	<1.0	<2.0	<0.050	<1.0	NA	NA	NA	NA	NA
	22-Nov-11	<1.0	<1.0	<1.0	<2.0	<1.0	<2.0	<0.050	<1.0	NA	NA	NA	NA	NA
	17-Feb-16	**Not Sampled-NAPL present**												
TW-36	15-Nov-10	Not Sampled-NAPL present												
	18-May-11	Not Sampled-NAPL present												
	15-Nov-11	Not Sampled-NAPL present												
	29-May-14	<1.0	<1.0	<1.0	<2.0	1.1	<2.0	NM	NM					
	22-Feb-16	**<0.50**	**2.1**	**1.2**	**<0.50**	**<0.50**	**<0.50**	**<0.50**	**<0.50**	**<0.50**	**<0.50**	**<0.50**	**<0.50**	**<0.50**

TABLE 3
SUMMARY OF GROUNDWATER ANALYTICAL RESULTS
POLYNUCLEAR AROMATIC HYDROCARBONS
Thriftway Refinery, 626 CR 5500, Bloomfield, New Mexico

Well ID	Date Sampled	Naphth-alene	Fluorene	Phenan-threne	Anthra-cene	Fluro-anthene	Pyrene	Benz(a)-anthracene	Chrysene	Benzo(b)-fluoran-thene	Benzo(a)p yrene	Dibenz-(a,h)anth-racene	Benzo-(g,h,i) perylene	Indeno (1,2,3-cd) pyrene
		µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
Sample Method		EPA Method 8270C												
NM WQCC STANDARD		30	NE	NE	NE	NE	NE	NE	NE	NE	0.7	NE	NE	NE
TW-37	22-Nov-11	210	<1.0	<1.0	5	110	<2.0	1.7	2	NA	NA	NA	NA	NA
	17-May-12	290	<1.0	110	98	79	2.9	NA	NA	NA	NA	NA	NA	NA
	27-Nov-12	140	<5.0	13	<10	120	<10	2.0	18	NA	NA	NA	NA	NA
	9-May-13	250	<1.0	80	2.9	83	<2.0	NA	NA	NA	NA	NA	NA	NA
	3-Dec-13	130	<5.0	41	11	95	<10	1.4	1.4	NA	NA	NA	NA	NA
	29-May-14	210	<1.0	110	70	63	3.3	NM	NM	NA	NA	NA	NA	NA
	10-Dec-14	140	<5.0	72	<7.5	68	<10	1.4	<1.0	NA	NA	NA	NA	NA
	25-Feb-16	**0.54**	**2.2**	**1.0**	**<0.50**	**<0.50**	**<0.50**	**<0.50**	**<0.50**	**<0.50**	**<0.50**	**<0.50**	**<0.50**	**<0.50**
TW-38	16-Nov-10	140	<1.0	41	71	83	<2.0	1.1	<1.0	NA	NA	NA	NA	NA
	18-May-11	37	<5.0	6.1	22	140	<10	NA	NA	NA	NA	NA	NA	NA
	15-Nov-11	Not Sampled-NAPL present												
	29-May-14	8.2	<1.0	5.1	77	60	6.2	NM	NM					
	25-Feb-16	**3.8**	**3.3**	**2.6**	**<0.50**	**<0.50**	**<0.50**	**<0.50**	**<0.50**	**<0.50**	**<0.50**	**<0.50**	**<0.50**	**<0.50**
TW-39	19-May-11	41	<5.0	65	<10	<5.0	<10	NA	NA	NA	NA	NA	NA	NA
	17-Nov-11	9	<5.0	82	<10	<5.0	<10	1.4	<1.0	NA	NA	NA	NA	NA
	17-May-12	3.3	<1.0	1.1	<2.0	8.5	<2.0	NA	NA	NA	NA	NA	NA	NA
	27-Nov-12	<1.0	<1.0	<1.0	<2.0	11	<2.0	0.76	<1.0	NA	NA	NA	NA	NA
	3-Dec-13	1.2	<1.0	<1.0	<1.5	7.1	<2.0	0.76	<1.0	NA	NA	NA	NA	NA
	29-May-14	<1.0	<1.0	<1.0	<2.0	8.2	<2.0	NM	NM	NA	NA	NA	NA	NA
	11-Dec-14	<1.0	<1.0	<1.0	<1.5	6.9	<2.0	0.35	<1.0	NA	NA	NA	NA	NA
	19-Feb-16	**<0.50**	**0.96**	**<0.50**	**<0.50**	**<0.50**	**<0.50**	**<0.50**	**<0.50**	**<0.50**	**<0.50**	**<0.50**	**<0.50**	**<0.50**
TW-40	18-Aug-10	Not Sampled-NAPL present												
	15-Nov-10	Not Sampled-NAPL present												
	18-May-11	Not Sampled-NAPL present												
	15-Nov-11	Not Sampled-NAPL present												
	17-Feb-16	**Not Sampled-NAPL present**												

TABLE 3
SUMMARY OF GROUNDWATER ANALYTICAL RESULTS
POLYNUCLEAR AROMATIC HYDROCARBONS
Thriftway Refinery, 626 CR 5500, Bloomfield, New Mexico

Well ID	Date Sampled	Naphth-alene	Fluorene	Phenan-threne	Anthra-cene	Fluro-anthene	Pyrene	Benz(a)-anthracene	Chrysene	Benzo(b)-fluoran-thene	Benzo(a)pyrene	Dibenz-(a,h)anth-racene	Benzo-(g,h,i) perylene	Indeno (1,2,3-cd) pyrene
		µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
Sample Method		EPA Method 8270C												
NM WQCC STANDARD		30	NE	NE	NE	NE	NE	NE	NE	NE	0.7	NE	NE	NE
TW-41	18-May-11	110	8.5	500	2,700	22	70	NA	NA	NA	NA	NA	NA	NA
	22-Nov-11	110	<10	470	1,800	13	68	10	2.3	NA	NA	NA	NA	NA
	21-May-12	99	<10	530	2,200	16	47	NA	NA	NA	NA	NA	NA	NA
	27-Nov-12	100	<10	470	1,800	14	48	8.8	1.6	NA	NA	NA	NA	NA
	10-May-13	47	<5.0	410	1,400	12	50	NA	NA	NA	NA	NA	NA	NA
	3-Dec-13	45	<10	470	1,600	<10	34	8.1	4.3	NA	NA	NA	NA	NA
	29-May-14	35	<5.0	190	470	9.5	<10	NM	NM	NA	NA	NA	NA	NA
	11-Dec-14	88	<10	480	1,600	<10	39	9.0	2.4	NA	NA	NA	NA	NA
	22-Feb-16	**11**	**1.5**	**<0.50**	**<0.50**	**<0.50**	**<0.50**	**<0.50**	**<0.50**	**<0.50**	**<0.50**	**<0.50**	**<0.50**	**<0.50**
TW-42	18-May-11	<5.0	<5.0	<5.0	<10	600	<10	NA	NA	NA	NA	NA	NA	NA
	22-Nov-11	<1.0	<1.0	<1.0	<2.0	53	<2.0	0.17	<1.0	NA	NA	NA	NA	NA
	21-May-12	<1.0	<1.0	<1.0	<2.0	38	<2.0	NA	NA	NA	NA	NA	NA	NA
	28-Nov-12	<1.0	<1.0	<1.0	<2.0	13	<2.0	0.13	<1.0	NA	NA	NA	NA	NA
	10-May-13	<1.0	<1.0	<1.0	<2.0	7.9	<2.0	NA	NA	NA	NA	NA	NA	NA
	4-Dec-13	<1.0	<1.0	<1.0	<1.5	7.4	<2.0	<0.050	<1.0	NA	NA	NA	NA	NA
	29-May-14	<1.0	<1.0	<1.0	<2.0	<1.0	<2.0	NM	NM	NA	NA	NA	NA	NA
	11-Dec-14	<2.0	<2.0	<2.0	<3.0	7.3	<4.0	<0.050	<1.0	NA	NA	NA	NA	NA
	22-Feb-16	**<0.50**	**0.66**	**<0.50**	**<0.50**	**<0.50**	**<0.50**	**<0.50**	**<0.50**	**<0.50**	**<0.50**	**<0.50**	**<0.50**	**<0.50**
TW-43	22-Nov-11	<1.0	1.1	<1.0	<2.0	460	<2.0	0.41	<1.0	NA	NA	NA	NA	NA
	21-May-12	<1.0	<1.0	<1.0	<2.0	450	<2.0	NA	NA	NA	NA	NA	NA	NA
	28-Nov-12	<1.0	<1.0	<1.0	<2.0	270	<2.0	0.20	<1.0	NA	NA	NA	NA	NA
	13-May-13	<1.0	<1.0	<1.0	<2.0	420	<2.0	NA	NA	NA	NA	NA	NA	NA
	4-Dec-13	<1.0	<1.0	<1.0	<1.5	410	<2.0	0.29	<1.0	NA	NA	NA	NA	NA
	30-May-14	<1.0	<1.0	<1.0	<2.0	310	<2.0	NM	NM	NA	NA	NA	NA	NA
	11-Dec-14	<2.0	<2.0	<2.0	<3.0	330	<4.0	0.36	<1.0	NA	NA	NA	NA	NA
	22-Feb-16	**<0.50**	**<0.50**	**<0.50**	**<0.50**	**<0.50**	**<0.50**	**<0.50**	**<0.50**	**<0.50**	**<0.50**	**<0.50**	**<0.50**	**<0.50**

TABLE 3
SUMMARY OF GROUNDWATER ANALYTICAL RESULTS
POLYNUCLEAR AROMATIC HYDROCARBONS
Thriftway Refinery, 626 CR 5500, Bloomfield, New Mexico

Well ID	Date Sampled	Naphth-alene	Fluorene	Phenan-threne	Anthra-cene	Fluro-anthene	Pyrene	Benz(a)-anthracene	Chrysene	Benzo(b)-fluoran-thene	Benzo(a)pyrene	Dibenz-(a,h)anth-racene	Benzo-(g,h,i) perylene	Indeno (1,2,3-cd) pyrene
		µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
Sample Method		EPA Method 8270C												
NM WQCC STANDARD		30	NE	NE	NE	NE	NE	NE	NE	NE	0.7	NE	NE	NE
TW-44	7-May-10	Not Sampled-NAPL present												
	18-Aug-10	Not Sampled-NAPL present												
	15-Nov-10	Not Sampled-NAPL present												
	18-May-11	Not Sampled-NAPL present												
	15-Nov-11	Not Sampled-NAPL present												
	22-Feb-16	**Not Sampled-NAPL present**												
TW-45	18-May-11	<5.0	<5.0	<5.0	<10	630	<10	NA	NA	NA	NA	NA	NA	NA
	21-May-12	<1.0	<1.0	<1.0	<2.0	230	<2.0	NA	NA	NA	NA	NA	NA	NA
	28-Nov-12	<1.0	<1.0	<1.0	<2.0	280	<2.0	0.17	<1.0	NA	NA	NA	NA	NA
	13-May-13	<1.0	<1.0	<1.0	<2.0	99	<2.0	NA	NA	NA	NA	NA	NA	NA
	4-Dec-13	<1.0	<1.0	<1.0	<1.5	97	<2.0	0.13	<1.0	NA	NA	NA	NA	NA
	30-May-14	<1.0	<1.0	<1.0	<2.0	170	<2.0	NM	NM	NA	NA	NA	NA	NA
	11-Dec-14	<1.0	<1.0	<1.0	<1.5	79	<2.0	0.13	<1.0	NA	NA	NA	NA	NA
	23-Feb-16	**<0.50**	**<0.50**	**<0.50**	**<0.50**	**<0.50**	**<0.50**	**<0.50**	**<0.50**	**<0.50**	**<0.50**	**<0.50**	**<0.50**	**<0.50**
TW-46	18-May-11	<5.0	<5.0	<5.0	<10	160	<10	NA	NA	NA	NA	NA	NA	NA
	22-Nov-11	<1.0	<1.0	<1.0	<2.0	35	<2.0	0.054	<1.0	NA	NA	NA	NA	NA
	21-May-12	<1.0	<1.0	<1.0	<2.0	74	<2.0	NA	NA	NA	NA	NA	NA	NA
	28-Nov-12	<1.0	<1.0	<1.0	<2.0	46	<2.0	<0.050	<1.0	NA	NA	NA	NA	NA
	4-Dec-13	<1.0	<1.0	<1.0	<1.5	7.6	<2.0	<0.050	<1.0	NA	NA	NA	NA	NA
	11-Dec-14	<1.0	<1.0	<1.0	<1.5	9.7	<2.0	<0.050	<1.0	NA	NA	NA	NA	NA
	23-Feb-16	**<0.50**	**<0.50**	**<0.50**	**<0.50**	**<0.50**	**<0.50**	**<0.50**	**<0.50**	**<0.50**	**<0.50**	**<0.50**	**<0.50**	**<0.50**
TW-47	22-Nov-11	<1.0	<1.0	<1.0	<2.0	1.5	<2.0	<0.050	<1.0	NA	NA	NA	NA	NA
	28-Nov-12	<1.0	<1.0	<1.0	<2.0	28	<2.0	<0.050	<1.0	NA	NA	NA	NA	NA
	4-Dec-13	<1.0	<1.0	<1.0	<1.5	1.3	<2.0	<0.050	<1.0	NA	NA	NA	NA	NA
	11-Dec-14	<1.0	<1.0	<1.0	<1.5	21	<2.0	<0.050	<1.0	NA	NA	NA	NA	NA
	26-Feb-16	**<0.50**	**<0.50**	**<0.50**	**<0.50**	**<0.50**	**<0.50**	**<0.50**	**<0.50**	**<0.50**	**<0.50**	**<0.50**	**<0.50**	**<0.50**

TABLE 3
SUMMARY OF GROUNDWATER ANALYTICAL RESULTS
POLYNUCLEAR AROMATIC HYDROCARBONS
Thriftway Refinery, 626 CR 5500, Bloomfield, New Mexico

Well ID	Date Sampled	Naphth-alene	Fluorene	Phenan-threne	Anthra-cene	Fluro-anthene	Pyrene	Benz(a)-anthracene	Chrysene	Benzo(b)-fluoran-thene	Benzo(a)pyrene	Dibenz-(a,h)anth-racene	Benzo-(g,h,i) perylene	Indeno (1,2,3-cd) pyrene
		µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
Sample Method		EPA Method 8270C												
NM WQCC STANDARD		30	NE	NE	NE	NE	NE	NE	NE	NE	0.7	NE	NE	NE
TW-48	12-May-10	<1.0	<1.0	<1.0	<2.0	13	<2.0	0.061	<1.0	NA	NA	NA	NA	NA
	19-Aug-10	<1.0	<1.0	<1.0	<2.0	16	<2.0	0.067	<1.0	NA	NA	NA	NA	NA
	12-Dec-14	<2.0	<2.0	<2.0	<3.0	6.6	<4.0	<0.10	<1.0	NA	NA	NA	NA	NA
	19-Feb-16	**<0.50**	**<0.50**	**<0.50**	**<0.50**	**<0.50**	**<0.50**	**<0.50**	**<0.50**	**<0.50**	**<0.50**	**<0.50**	**<0.50**	**<0.50**
TW-49	21-May-12	<1.0	<1.0	<1.0	<2.0	14	<2.0	NA	NA	NA	NA	NA	NA	NA
	3-Dec-12	<10	<10	<10	<20	<10	<20	<0.50	<1.0	NA	NA	NA	NA	NA
	4-Dec-13	<10	<10	<10	<15	11	<20	<0.50	<1.0	NA	NA	NA	NA	NA
	12-Dec-14	<2.0	<2.0	<2.0	<3.0	8.2	<4.0	<0.10	<1.0	NA	NA	NA	NA	NA
	26-Feb-16	**<0.50**	**<0.50**	**<0.50**	**<0.50**	**<0.50**	**<0.50**	**<0.50**	**<0.50**	**<0.50**	**<0.50**	**<0.50**	**<0.50**	**<0.50**
TW-50	18-May-11	**13**	<5.0	150	190	<5.0	<10	NA	NA	NA	NA	NA	NA	NA
	17-Nov-11	<1.0	<1.0	14	10	18	<2.0	0.84	<1.0	NA	NA	NA	NA	NA
	21-May-12	2.9	<1.0	23	19	17	<2.0	NA	NA	NA	NA	NA	NA	NA
	4-Dec-12	<1.0	<1.0	2.3	3.1	19	<2.0	0.22	<1.0	NA	NA	NA	NA	NA
	26-Feb-16	**Not Sampled-NAPL present**												
TW-51	18-Jul-12	<2.0	<2.0	4.4	<4.0	260	8.7	NA	NA	NA	NA	NA	NA	NA
	3-Dec-12	<1.0	<1.0	<1.0	<2.0	340	<2.0	0.29	<1.0	NA	NA	NA	NA	NA
	5-Dec-13	<1.0	<1.0	<1.0	<1.5	300	<2.0	0.31	<1.0	NA	NA	NA	NA	NA
	12-Dec-14	<2.0	<2.0	<2.0	<3.0	190	<4.0	0.38	<1.0	NA	NA	NA	NA	NA
	26-Feb-16	**<0.50**	**1.3**	**<0.50**	**<0.50**	**<0.50**	**<0.50**	**<0.50**	**<0.50**	**<0.50**	**<0.50**	**<0.50**	**<0.50**	**<0.50**
TW-52	8-Oct-12	<1.0	<1.0	<1.0	<2.0	180	NA	NA	NA	NA	NA	NA	NA	NA
	3-Dec-12	<1.0	<1.0	<1.0	<2.0	230	<2.0	0.11	<1.0	NA	NA	NA	NA	NA
	13-May-13	<1.0	<1.0	<1.0	<2.0	240	<2.0	NA	NA	NA	NA	NA	NA	NA
	5-Dec-13	<1.0	<1.0	<1.0	<1.5	76	<2.0	0.075	<1.0	NA	NA	NA	NA	NA
	30-May-14	<1.0	<1.0	<1.0	<2.0	88	<2.0	NM	NM	NA	NA	NA	NA	NA
	12-Dec-14	<2.0	<2.0	<2.0	<3.0	86	<4.0	0.091	<1.0	NA	NA	NA	NA	NA
	26-Feb-16	**<0.50**	**<0.50**	**<0.50**	**<0.50**	**<0.50**	**<0.50**	**<0.50**	**<0.50**	**<0.50**	**<0.50**	**<0.50**	**<0.50**	**<0.50**

TABLE 3
SUMMARY OF GROUNDWATER ANALYTICAL RESULTS
POLYNUCLEAR AROMATIC HYDROCARBONS
Thriftway Refinery, 626 CR 5500, Bloomfield, New Mexico

Well ID	Date Sampled	Naphth-alene	Fluorene	Phenan-threne	Anthra-cene	Fluro-anthene	Pyrene	Benz(a)-anthracene	Chrysene	Benzo(b)-fluoran-thene	Benzo(a)pyrene	Dibenz-(a,h)anth-racene	Benzo-(g,h,i) perylene	Indeno (1,2,3-cd) pyrene
		µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
Sample Method		EPA Method 8270C												
NM WQCC STANDARD		30	NE	NE	NE	NE	NE	NE	NE	NE	0.7	NE	NE	NE
TW-53	22-Jan-13	<1.0	<1.0	<1.0	<2.0	16	<2.0	NA	NA	NA	NA	NA	NA	NA
	13-May-13	<1.0	<1.0	<1.0	<2.0	14	<2.0	NA	NA	NA	NA	NA	NA	NA
	5-Dec-13	<1.0	<1.0	<1.0	<1.5	12	<2.0	<0.050	<1.0	NA	NA	NA	NA	NA
	12-Dec-14	<1.0	<1.0	<1.0	<1.5	13	<2.0	<0.050	<1.0	NA	NA	NA	NA	NA
	26-Feb-16	**<0.50**	**<0.50**	**<0.50**	**<0.50**	**<0.50**	**<0.50**	**<0.50**	**<0.50**	**<0.50**	**<0.50**	**<0.50**	**<0.50**	**<0.50**
TW-54	22-Jan-13	<2.0	<2.0	<2.0	<4.0	19	<4.0	NA	NA	NA	NA	NA	NA	NA
	13-May-13	<1.0	<1.0	<1.0	<2.0	22	<2.0	NA	NA	NA	NA	NA	NA	NA
	6-Dec-13	<1.0	<1.0	<1.0	<1.5	21	<2.0	<0.050	<1.0	NA	NA	NA	NA	NA
	30-May-14	<1.0	<1.0	<1.0	<2.0	20	<2.0	NM	NM	NA	NA	NA	NA	NA
	12-Dec-14	<1.0	<1.0	<1.0	<1.5	18	<2.0	<0.050	<1.0	NA	NA	NA	NA	NA
	26-Feb-16	**<0.50**	**<0.50**	**<0.50**	**<0.50**	**<0.50**	**<0.50**	**<0.50**	**<0.50**	**<0.50**	**<0.50**	**<0.50**	**<0.50**	**<0.50**
MW-4	**19-Feb-16**	**<0.50**	**<0.50**	**<0.50**	**<0.50**	**<0.50**	**<0.50**	**<0.50**	**<0.50**	**<0.50**	**<0.50**	**<0.50**	**<0.50**	**<0.50**
MW-5	18-Feb-10	<1.0	<1.0	<1.0	<2.0	49	<2.0	0.12	<1.0	NA	NA	NA	NA	NA
	12-May-10	<1.0	<1.0	<1.0	<2.0	63	<2.0	0.10	<1.0	NA	NA	NA	NA	NA
	17-Nov-10	<1.0	<1.0	<1.0	<1.5	54	<2.0	0.11	<1.0	NA	NA	NA	NA	NA
	22-Feb-16	**<0.50**	**<0.50**	**<0.50**	**<0.50**	**<0.50**	**<0.50**	**<0.50**	**<0.50**	**<0.50**	**<0.50**	**<0.50**	**<0.50**	**<0.50**
MW-6	**19-Feb-16**	**<0.50**	**<0.50**	**<0.50**	**<0.50**	**<0.50**	**<0.50**	**<0.50**	**<0.50**	**<0.50**	**<0.50**	**<0.50**	**<0.50**	**<0.50**
MW-7	4-Dec-12	<1.0	<1.0	<1.0	<2.0	120	<2.0	0.18	<1.0	NA	NA	NA	NA	NA
	13-May-13	<1.0	<1.0	<1.0	<2.0	110	<2.0	NA	NA	NA	NA	NA	NA	NA
	6-Dec-13	1.1	<1.0	<1.0	<1.5	10	<2.0	<0.050	<1.0	NA	NA	NA	NA	NA
	30-May-14	2.9	<1.0	<1.0	<2.0	23	<2.0	NM	NM	NA	NA	NA	NA	NA
	12-Dec-14	<1.0	<1.0	<1.0	<1.5	59	<2.0	0.065	<1.0	NA	NA	NA	NA	NA
	19-Feb-16	**<0.50**	**<0.50**	**<0.50**	**<0.50**	**<0.50**	**<0.50**	**<0.50**	**<0.50**	**<0.50**	**<0.50**	**<0.50**	**<0.50**	**<0.50**
MW-9	**1-Mar-16**	**<0.50**	**<0.50**	**<0.50**	**<0.50**	**<0.50**	**<0.50**	**<0.50**	**<0.50**	**<0.50**	**<0.50**	**<0.50**	**<0.50**	**<0.50**
MW-10	**1-Mar-16**	**<0.50**	**<0.50**	**<0.50**	**<0.50**	**<0.50**	**<0.50**	**<0.50**	**<0.50**	**<0.50**	**<0.50**	**<0.50**	**<0.50**	**<0.50**

TABLE 3
SUMMARY OF GROUNDWATER ANALYTICAL RESULTS
POLYNUCLEAR AROMATIC HYDROCARBONS
Thriftway Refinery, 626 CR 5500, Bloomfield, New Mexico

Well ID	Date Sampled	Naphth-alene	Fluorene	Phenan-threne	Anthra-cene	Fluro-anthene	Pyrene	Benz(a)-anthracene	Chrysene	Benzo(b)-fluoran-thene	Benzo(a)p yrene	Dibenz-(a,h)anth-racene	Benzo-(g,h,i) perylene	Indeno (1,2,3-cd) pyrene
		µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
Sample Method		EPA Method 8270C												
NM WQCC STANDARD		30	NE	NE	NE	NE	NE	NE	NE	NE	0.7	NE	NE	NE
MW-12	25-Feb-16	Not Sampled-NAPL present												
MW-13	25-Feb-16	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
MW-16	25-Feb-16	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
MW-17	25-Feb-16	0.64	3.8	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
MW-18	25-Feb-16	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
MW-19	25-Feb-16	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
MW-20	6-Dec-13	<1.0	<1.0	<1.0	<1.5	190	<2.0	1.1	<1.0	NA	NA	NA	NA	NA
	30-May-14	<1.0	<1.0	<1.0	<2.0	160	<2.0	NM	NM	NA	NA	NA	NA	NA
	11-Dec-14	<1.0	<1.0	<1.0	<1.5	70	<2.0	0.74	<1.0	NA	NA	NA	NA	NA
	23-Feb-16	<0.50	1.3	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
MW-21	13-May-13	<1.0	<1.0	<1.0	<2.0	85	<2.0	NA	NA	NA	NA	NA	NA	NA
	6-Dec-13	<1.0	<1.0	<1.0	<1.5	78	<2.0	0.082	<1.0	NA	NA	NA	NA	NA
	30-May-14	<1.0	<1.0	<1.0	<2.0	83	<2.0	NM	NM	NA	NA	NA	NA	NA
	11-Dec-14	<1.0	<1.0	<1.0	<1.5	66	<2.0	0.070	<1.0	NA	NA	NA	NA	NA
	26-Feb-16	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
MW-23	26-Feb-16	Not Sampled-Dry												
MW-25	26-Feb-16	Not Sampled-Dry												
MW-27	26-Feb-16	Not Sampled-Dry												
RW-24	26-Feb-16	Not Sampled-NAPL present												
RW-25	26-Feb-16	Not Sampled-NAPL present												

Notes:
µg/L Micrograms per liter (ppb)
NA Not Analyzed
NE Not Established

TABLE 4

SUMMARY OF GROUNDWATER DISSOLVED CATIONS, SPECIFIC CONDUCTANCE, HARDNESS, AND TOTAL DISSOLVED SOLIDS ANALYTICAL RESULTS

Thriftway Refinery, 626 CR 5500, Bloomfield, New Mexico

Well ID	Sample Date	Bromide	Chloride	Fluoride	Sulfate	Specific Conductance	Hardness as ($CaCO_3$)	Total Dissolved Solids
		mg/L	mg/L	mg/L	mg/L	µmhos/cm	mg/L	mg/L
Analytical Method		300.0	300.0	300.0	300.0	120.1	6010B	SM 2540C
NM WQCC Standard		NE	250	1.6	600	NE	NE	1,000
TW-8	18-May-11	NA	160	NA	2,400	NA	NA	4,140
	26-Nov-12	1.3	160	0.74	2,600	5,000	1,400	4,340
	9-May-13	NA	150	NA	2,100	NA	NA	3,730
	3-Dec-13	0.80	130	0.58	2,300	4,500	1,400	4,030
	29-May-14	NA	140	NA	2,200	NA	NA	3,660
	10-Dec-14	0.82	120	0.56	2,200	3,500	1,400	3,820
	16-Feb-16	**0.67**	**110**	**0.61**	**2,100**	**4,100**	**416**	**3,700**
TW-9	20-Aug-09	1.2	170	0.87	530	2,600	710	2,070
	16-Feb-16	**0.67**	**97**	**0.68**	**780**	**2,100**	**394**	**1,430**
TW-10	20-Aug-09	1.1	160	0.72	940	3,700	1,200	3,250
	16-Feb-16	**0.74**	**120**	**0.67**	**1,100**	**2,500**	**450**	**1,870**
TW-11	20-Aug-09	0.46	70	0.85	4,000	6,100	1,400	6,290
	17-Feb-16	**0.66**	**120**	**0.73**	**4,100**	**6,700**	**503**	**5,510**
TW-12	20-Aug-09	0.28	27	0.85	2,100	3,500	1,400	3,490
	16-Feb-16	**Not Sampled-NAPL Present**						
TW-13	15-Nov-11	Not Sampled-NAPL Present						
	16-Feb-16	**Not Sampled-NAPL Present**						
TW-14	15-Nov-11	Not Sampled-NAPL Present						
	16-Feb-16	**Not Sampled-NAPL Present**						
TW-15	9-May-13	NA	140	NA	3,000	NA	NA	4,840
	29-May-14	NA	170	NA	3,000	NA	NA	4,420
	17-Feb-16	**0.61**	**140**	**0.37**	**2,600**	**4,900**	**670**	**4,380**

TABLE 4

SUMMARY OF GROUNDWATER DISSOLVED CATIONS, SPECIFIC CONDUCTANCE, HARDNESS, AND TOTAL DISSOLVED SOLIDS ANALYTICAL RESULTS

Thriftway Refinery, 626 CR 5500, Bloomfield, New Mexico

Well ID	Sample Date	Bromide	Chloride	Fluoride	Sulfate	Specific Conductance	Hardness as ($CaCO_3$)	Total Dissolved Solids
		mg/L	mg/L	mg/L	mg/L	µmhos/cm	mg/L	mg/L
Analytical Method		300.0	300.0	300.0	300.0	120.1	6010B	SM 2540C
NM WQCC Standard		NE	250	1.6	600	NE	NE	1,000
TW-16	20-Aug-09	1.1	150	0.75	2,600	4,800	1,000	4,240
	17-Feb-16	**0.87**	**160**	**1.1**	**1,400**	**3,500**	**574**	**2,560**
TW-17	21-Aug-09	1.2	170	0.80	3,100	4,700	1,100	4,640
	17-Feb-16	**0.82**	**150**	**0.63**	**2,300**	**4,600**	**420**	**3,560**
TW-18	21-Aug-09	0.43	52	0.77	2,800	4,300	1,500	4,440
	16-Nov-10	0.28	54	1	3,700	5,000	1,400	4,790
	17-Nov-11	0.26	66	0.73	4,700	5,400	1,400	5,360
	17-Feb-16	**0.59**	**120**	**0.54**	**4,000**	**6,800**	**602**	**6,200**
TW-19	15-Nov-11	Not Sampled-NAPL Present						
	17-Feb-16	**Not Sampled-NAPL Present**						
TW-20	15-Nov-11	Not Sampled-NAPL Present						
	17-Feb-16	**Not Sampled-NAPL Present**						
TW-21	15-Nov-11	Not Sampled-NAPL Present						
	17-Feb-16	**Not Sampled-NAPL Present**						
TW-22	29-May-14	NA	31	NA	2,000	NA	NA	3,430
	17-Feb-16	**0.28**	**50**	**0.42**	**2,000**	**4,000**	**706**	**3,620**
TW-23	21-Aug-09	1.1	150	1.1	3,600	5,500	1,400	5,440
	17-Feb-16	**0.81**	**150**	**0.58**	**2,800**	**5,400**	**658**	**4,280**
TW-24	**17-Feb-16**	**0.45**	**94**	**0.40**	**3,200**	**5,700**	**907**	**5,280**
TW-25	**17-Feb-16**	**Not Sampled-NAPL Present**						
TW-26	**17-Feb-16**	**Not Sampled-NAPL Present**						
TW-28	**17-Feb-16**	**Not Sampled-NAPL Present**						

TABLE 4

SUMMARY OF GROUNDWATER DISSOLVED CATIONS, SPECIFIC CONDUCTANCE, HARDNESS, AND TOTAL DISSOLVED SOLIDS ANALYTICAL RESULTS

Thriftway Refinery, 626 CR 5500, Bloomfield, New Mexico

Well ID	Sample Date	Bromide	Chloride	Fluoride	Sulfate	Specific Conductance	Hardness as ($CaCO_3$)	Total Dissolved Solids
		mg/L	mg/L	mg/L	mg/L	µmhos/cm	mg/L	mg/L
Analytical Method		300.0	300.0	300.0	300.0	120.1	6010B	SM 2540C
NM WQCC Standard		NE	250	1.6	600	NE	NE	1,000
TW-29	19-Feb-16	0.54	100	0.69	680	3,300	2,208	2,330
TW-30	21-Aug-09	3.7	860	0.56	2,000	5,000	2,000	4,550
	16-Nov-10	1.9	1,400	0.54	2,100	6,500	1,600	5,630
	17-Nov-11	3.1	1,400	<1.0	1,900	7,300	1,900	6,310
	27-Nov-12	5.9	970	0.61	2,400	7,100	1,400	5,440
	3-Dec-13	<0.50	660	<0.50	1,900	6,100	1,400	4,750
	10-Dec-14	0.62	300	0.60	2,300	4,400	1,300	4,090
	19-Feb-16	<0.50	150	<0.50	2,800	5,300	1,070	4,310
TW-31	21-Aug-09	3.9	1,700	0.43	1,200	5,800	1,400	4,790
	16-Nov-10	0.65	750	0.67	2,000	5,500	1,600	4,680
	19-Feb-16	0.77	400	<0.50	1,700	5,100	1,528	3,820
TW-32	17-Feb-16	Not Sampled-NAPL Present						
TW-33	17-Feb-16	Not Sampled-NAPL Present						
TW-34	24-Aug-09	0.36	59	1.0	3,500	5,100	1,400	5,460
	22-Nov-11	<2.0	59	<2.0	4,100	5,500	1,500	5,420
	23-Feb-16	<0.50	73	0.86	3,800	6,500	1,064	5,670
TW-35	24-Aug-09	0.40	65	0.74	4,400	6,100	1,500	6,700
	17-Nov-10	0.26	70	0.81	4,700	6,600	1,600	6,770
	22-Nov-11	0.72	81	0.74	4,600	6,700	1,500	7,180
	17-Feb-16	Not Sampled-NAPL Present						
TW-36	29-May-14	NA	40	NA	3,500	NA	NA	5,610
	22-Feb-16	<0.50	50	<0.50	4,200	6,700	798	5,860

TABLE 4

SUMMARY OF GROUNDWATER DISSOLVED CATIONS, SPECIFIC CONDUCTANCE, HARDNESS, AND TOTAL DISSOLVED SOLIDS ANALYTICAL RESULTS

Thriftway Refinery, 626 CR 5500, Bloomfield, New Mexico

Well ID	Sample Date	Bromide	Chloride	Fluoride	Sulfate	Specific Conductance	Hardness as ($CaCO_3$)	Total Dissolved Solids
		mg/L	mg/L	mg/L	mg/L	µmhos/cm	mg/L	mg/L
Analytical Method		300.0	300.0	300.0	300.0	120.1	6010B	SM 2540C
NM WQCC Standard		NE	250	1.6	600	NE	NE	1,000
TW-37	27-Nov-12	NA	190	NA	1,700	NA	NA	NA
	9-May-13	NA	150	NA	1,800	NA	NA	3,710
	3-Dec-13	NA	150	NA	1,400	NA	NA	NA
	29-May-14	NA	180	NA	1,000	NA	NA	2,910
	10-Dec-14	NA	110	NA	1,900	NA	1,100	3,710
	24-Jun-15	NA	190	NA	1,100	NA	NA	3,000
	25-Feb-16	<0.50	110	0.31	1,500	4,000	1,650	3,410
TW-38	18-May-11	NA	190	NA	2,200	NA	NA	4,010
	29-May-14	NA	91	NA	2,100	NA	NA	3,840
	25-Feb-16	<0.50	72	0.42	2,100	4,200	1,120	3,850
TW-39	16-Nov-10	0.47	540	0.42	1,000	4,100	1,100	3,070
	18-May-11	NA	550	NA	1,600	NA	NA	3,980
	29-May-14	NA	340	NA	1,000	NA	NA	3,220
	19-Feb-16	0.75	280	0.56	1,100	4,100	2,058	3,010
TW-40	17-Feb-16	Not Sampled-NAPL Present						
TW-41	18-May-11	NA	910	NA	980	NA	NA	3,940
	22-Nov-11	0.5	640	0.5	510	4,300	890	3,300
	27-Nov-12	<5.0	640	<1.0	810	4,900	920	3,400
	10-May-13	NA	610	NA	1,200	NA	NA	4,220
	3-Dec-13	0.74	780	<0.50	1,200	5,700	1,200	4,350
	29-May-14	NA	720	NA	2,000	NA	NA	4,920
	11-Dec-14	0.66	590	<0.50	770	4,300	840	3,180
	24-Jun-15	<1.0	570	<1.0	2,400	6,700	1,500	5,300
	22-Feb-16	<0.50	390	<0.50	2,500	5,800	1,438	4,710

TABLE 4

SUMMARY OF GROUNDWATER DISSOLVED CATIONS, SPECIFIC CONDUCTANCE, HARDNESS, AND TOTAL DISSOLVED SOLIDS ANALYTICAL RESULTS

Thriftway Refinery, 626 CR 5500, Bloomfield, New Mexico

Well ID	Sample Date	Bromide	Chloride	Fluoride	Sulfate	Specific Conductance	Hardness as ($CaCO_3$)	Total Dissolved Solids
		mg/L	mg/L	mg/L	mg/L	µmhos/cm	mg/L	mg/L
Analytical Method		300.0	300.0	300.0	300.0	120.1	6010B	SM 2540C
NM WQCC Standard		NE	250	1.6	600	NE	NE	1,000
TW-42	24-Aug-09	3.8	690	0.43	1,400	5,000	940	4,260
	16-Nov-10	0.86	840	0.47	2,300	5,900	1,400	5,040
	10-May-13	NA	150	NA	2,300	NA	NA	4,020
	29-May-14	NA	53	NA	2,300	NA	NA	3,620
	22-Feb-16	**1.3**	**540**	**<0.50**	**1,900**	**5,700**	**1,618**	**4,660**
TW-43	16-Nov-10	0.44	150	0.98	2,800	4,800	1,600	4,450
	18-May-11	NA	95	NA	2,700	NA	NA	4,720
	13-May-13	NA	92	NA	2,500	NA	NA	4,420
	30-May-14	NA	95	NA	2,500	NA	NA	4,230
	22-Feb-16	**<0.50**	**59**	**<0.50**	**2,700**	**5,200**	**1,466**	**4,570**
TW-44	24-Aug-09	3.7	81	0.38	2,800	5,100	1,800	5,520
	22-Feb-16	**Not Sampled-NAPL Present**						
TW-45	18-May-11	NA	280	NA	2,600	NA	NA	4,700
	13-May-13	NA	200	NA	2,100	NA	NA	4,120
	30-May-14	NA	190	NA	2,600	NA	NA	4,560
	23-Feb-16	**<0.50**	**120**	**0.50**	**2,200**	**4,900**	**1,430**	**3,950**
TW-46	18-May-11	NA	400	NA	1,400	NA	NA	3,640
	23-Feb-16	**1.3**	**510**	**<0.50**	**2,100**	**6,400**	**1,904**	**4,940**
TW-47	22-Nov-11	1.2	1,800	<1.0	5,800	19,000	2,000	10,700
	28-Nov-12	NA	1,100	NA	4,200	NA	NA	NA
	4-Dec-13	NA	1,100	NA	3,700	NA	NA	7,790
	11-Dec-14	NA	1,500	NA	5,000	NA	NA	8,630
	24-Jun-15	**NA**	**1,600**	**NA**	**5,300**	**NA**	**NA**	**9,970**
	26-Feb-16	**<0.50**	**1,100**	**<0.50**	**3,900**	**9,600**	**1,068**	**8,450**

TABLE 4

SUMMARY OF GROUNDWATER DISSOLVED CATIONS, SPECIFIC CONDUCTANCE, HARDNESS, AND TOTAL DISSOLVED SOLIDS ANALYTICAL RESULTS

Thriftway Refinery, 626 CR 5500, Bloomfield, New Mexico

Well ID	Sample Date	Bromide	Chloride	Fluoride	Sulfate	Specific Conductance	Hardness as ($CaCO_3$)	Total Dissolved Solids
		mg/L	mg/L	mg/L	mg/L	µmhos/cm	mg/L	mg/L
Analytical Method		300.0	300.0	300.0	300.0	120.1	6010B	SM 2540C
NM WQCC Standard		NE	250	1.6	600	NE	NE	1,000
TW-48	19-Feb-16	<0.50	170	2.6	2,100	4,800	1,190	3,970
TW-49	17-Nov-10	2.1	3,400	0.51	7,000	8,000	1,900	7,470
	4-Dec-13	NA	880	NA	3,100	NA	NA	NA
	26-Feb-16	<0.50	310	<0.50	3,900	7,400	1,250	6,440
TW-50	18-May-11	NA	1100	NA	970	NA	NA	4,150
	17-Nov-11	0.64	990	<0.50	1,100	5,300	1,400	4,160
	26-Feb-16	Not Sampled-NAPL Present						
TW-51	5-Dec-13	NA	240	NA	2,700	NA	NA	NA
	12-Dec-14	NA	290	NA	2,900	NA	NA	4,950
	24-Jun-15	NA	270	NA	3,000	NA	NA	5,240
	26-Feb-16	<0.50	350	<0.50	2,800	6,100	1,666	5,060
TW-52	13-May-13	NA	170	NA	3,800	NA	NA	6,160
	30-May-14	NA	270	NA	4,200	NA	NA	7,560
	12-Dec-14	NA	270	NA	4,300	NA	NA	6,670
	24-Jun-15	NA	280	NA	4,500	NA	NA	6,430
	26-Feb-16	<0.50	250	<0.50	3,200	6,400	1,296	5,560
TW-53	22-Jan-13	NA	200	NA	3,300	NA	NA	5,730
	13-May-13	NA	200	NA	3,400	NA	NA	5,660
	5-Dec-13	0.81	210	0.27	3,700	7,400	1,100	6,200
	12-Dec-14	1.0	320	<0.50	4,100	7,200	1,400	6,140
	25-Jun-15	1.3	320	<1.0	4,800	8,700	1,400	6,440
	26-Feb-16	<0.50	310	<0.50	3,900	7,500	1,028	6,460

TABLE 4

SUMMARY OF GROUNDWATER DISSOLVED CATIONS, SPECIFIC CONDUCTANCE, HARDNESS, AND TOTAL DISSOLVED SOLIDS ANALYTICAL RESULTS

Thriftway Refinery, 626 CR 5500, Bloomfield, New Mexico

Well ID	Sample Date	Bromide	Chloride	Fluoride	Sulfate	Specific Conductance	Hardness as ($CaCO_3$)	Total Dissolved Solids
		mg/L	mg/L	mg/L	mg/L	µmhos/cm	mg/L	mg/L
Analytical Method		300.0	300.0	300.0	300.0	120.1	6010B	SM 2540C
NM WQCC Standard		NE	250	1.6	600	NE	NE	1,000
TW-54	13-May-13	NA	110	NA	2,600	NA	NA	4,400
	6-Dec-13	0.30	150	0.26	2,500	5,600	930	4,520
	30-May-14	NA	130	NA	2,700	NA	NA	4,470
	12-Dec-14	<0.50	140	<0.50	3,000	5,100	990	4,320
	25-Jun-15	**<1.0**	**150**	**<1.0**	**2,900**	**5,600**	**990**	**4,540**
	26-Feb-16	**<0.50**	**150**	**<0.50**	**2,700**	**5,200**	**884**	**3,880**
MW-4	**19-Feb-16**	**1.60**	**590**	**<0.50**	**1,700**	**5,300**	**1,588**	**3,640**
MW-5	17-Nov-10	0.77	310	<2.0	3,000	5,400	500	4,630
	25-Jun-15	**<1.0**	**240**	**<1.0**	**2,000**	**5,800**	**1,000**	**4,260**
	22-Feb-16	**<0.50**	**450**	**<0.50**	**2,200**	**5,800**	**1,416**	**4,440**
MW-6	**19-Feb-16**	**1.5**	**620**	**<0.50**	**2,700**	**7,000**	**1,486**	**5,580**
MW-7	13-May-13	NA	510	NA	1,600	NA	NA	4,020
	30-May-14	NA	590	NA	1,900	NA	NA	4,370
	19-Feb-16	**<0.50**	**370**	**<0.50**	**2,000**	**5,200**	**1,182**	**4,220**
MW-9	**1-Mar-16**	**1.20**	**190**	**0.70**	**3,300**	**5,900**	**616**	**4,980**
MW-10	**1-Mar-16**	**1.10**	**170**	**0.54**	**2,000**	**4,200**	**464**	**3,520**
MW-13	**25-Feb-16**	**<0.50**	**33**	**0.88**	**3,200**	**5,100**	**402**	**4,870**
MW-16	**25-Feb-16**	**0.98**	**130**	**0.79**	**1,300**	**3,000**	**378**	**2,480**
MW-17	**25-Feb-16**	**0.52**	**200**	**0.28**	**1,900**	**4,300**	**1,001**	**3,760**
MW-18	**25-Feb-16**	**<0.50**	**600**	**<0.10**	**2,400**	**6,000**	**1,318**	**5,310**
MW-19	**25-Feb-16**	**<0.50**	**420**	**0.14**	**2,500**	**6,200**	**1,594**	**4,820**

TABLE 4

SUMMARY OF GROUNDWATER DISSOLVED CATIONS, SPECIFIC CONDUCTANCE, HARDNESS, AND TOTAL DISSOLVED SOLIDS ANALYTICAL RESULTS

Thriftway Refinery, 626 CR 5500, Bloomfield, New Mexico

Well ID	Sample Date	Bromide	Chloride	Fluoride	Sulfate	Specific Conductance	Hardness as ($CaCO_3$)	Total Dissolved Solids
		mg/L	mg/L	mg/L	mg/L	µmhos/cm	mg/L	mg/L
Analytical Method		300.0	300.0	300.0	300.0	120.1	6010B	SM 2540C
NM WQCC Standard		NE	250	1.6	600	NE	NE	1,000
MW-20	3-Dec-12	NA	390	NA	1,700	NA	NA	NA
	13-May-13	NA	290	NA	1,300	NA	NA	3,750
	6-Dec-13	NA	520	NA	2,100	NA	NA	NA
	30-May-14	NA	430	NA	2,200	NA	NA	4,680
	11-Dec-14	NA	440	NA	2,400	NA	NA	4,990
	24-Jun-15	NA	580	NA	2,500	NA	NA	5,290
	23-Feb-16	<0.50	250	<0.50	1,900	5,100	1,718	4,180
MW-21	3-Dec-12	NA	630	NA	1,600	NA	NA	NA
	13-May-13	NA	600	NA	1,500	NA	NA	4,060
	6-Dec-13	NA	610	NA	1,400	NA	NA	NA
	30-May-14	NA	650	NA	1,400	NA	NA	3,960
	11-Dec-14	NA	810	NA	1,800	NA	NA	4,130
	24-Jun-15	NA	830	NA	2,300	NA	NA	5,040
	26-Feb-16	<0.50	680	<0.50	1,900	5,900	1,290	4,770
MW-23	26-Feb-16	Not Sampled-Dry						
MW-25	26-Feb-16	Not Sampled-Dry						
MW-27	26-Feb-16	Not Sampled-Dry						
RW-24	26-Feb-16	Not Sampled-NAPL Present						
RW-25	26-Feb-16	Not Sampled-NAPL Present						

Notes:

<	Analyte not detected above listed method limit
NA	Not Analyzed
NE	Not established
mg/L	Milligrams per liter (ppm)

TABLE 5
SUMMARY OF GROUNDWATER DISSOLVED METALS ANALYTICAL RESULTS
Thriftway Refinery, 626 CR 5500, Bloomfield, New Mexico

Well ID	Sample Date	Calcium	Lead	Magnesium	Potassium	Sodium
		mg/L	mg/L	mg/L	mg/L	mg/L
Analytical Method		6010B	6010B	6010B	6010B	6010B
NM WQCC Standard		NE	0.05	NE	NE	NE
TW-1	19-Aug-09	500	NA	37	2.8	300
	16-Feb-16	**370**	**<0.0050**	**25**	**2.8**	**270**
TW-2	19-Aug-09	470	NA	46	3.7	660
	16-Feb-16	**480**	**<0.0050**	**46**	**4**	**610**
TW-3	19-Aug-09	500	NA	45	2.7	710
	26-Feb-16	**430**	**<0.0050**	**60**	**21**	**1,400**
TW-4	19-Aug-09	470	NA	54	4.2	1,600
	16-Feb-16	**470**	**<0.0050**	**54**	**4.8**	**900**
TW-5	19-Aug-09	510	NA	36	3.1	400
	16-Feb-16	**520**	**<0.0050**	**34**	**2.6**	**280**
TW-6	19-Aug-09	480	NA	47	3.4	720
	16-Feb-16	**480**	**<0.0050**	**44**	**3.9**	**640**
TW-7	18-May-11	NA	NA	NA	NA	NA
	17-Nov-11	490	NA	53	2.3	770
	9-May-13	NA	NA	NA	NA	NA
	16-Feb-16	**Not Sampled-NAPL Present**				
TW-8	18-May-11	NA	NA	NA	NA	NA
	26-Nov-12	470	NA	49	5.1	840
	9-May-13	NA	NA	NA	NA	NA
	3-Dec-13	470	NA	48	5.2	800
	29-May-14	NA	NA	NA	NA	NA
	10-Dec-14	480	NA	44	4.5	600
	16-Feb-16	**500**	**<0.0050**	**43**	**4.6**	**530**
TW-9	20-Aug-09	250	NA	21	2.4	410
	16-Feb-16	**160**	**<0.0050**	**15**	**2.2**	**300**
TW-10	20-Aug-09	420	NA	36	3.6	640
	16-Feb-16	**210**	**<0.0050**	**20**	**2.6**	**390**
TW-11	20-Aug-09	470	NA	53	3.6	1,500
	17-Feb-16	**440**	**<0.0050**	**46**	**4.9**	**1,400**
TW-12	20-Aug-09	470	NA	56	2.5	500
	16-Feb-16	**Not Sampled-NAPL Present**				
TW-13	15-Nov-11	Not Sampled-NAPL Present				
	16-Feb-16	**Not Sampled-NAPL Present**				

TABLE 5
SUMMARY OF GROUNDWATER DISSOLVED METALS ANALYTICAL RESULTS
Thriftway Refinery, 626 CR 5500, Bloomfield, New Mexico

Well ID	*Sample Date*	*Calcium*	*Lead*	*Magnesium*	*Potassium*	*Sodium*
		mg/L	*mg/L*	*mg/L*	*mg/L*	*mg/L*
Analytical Method		*6010B*	*6010B*	*6010B*	*6010B*	*6010B*
NM WQCC Standard		*NE*	*0.05*	*NE*	*NE*	*NE*
TW-14	15-Nov-11	Not Sampled-NAPL Present				
	16-Feb-16	**Not Sampled-NAPL Present**				
TW-15	9-May-13	NA	NA	NA	NA	NA
	29-May-14	NA	NA	NA	NA	NA
	17-Feb-16	**490**	**<0.0050**	**58**	**3.2**	**800**
TW-16	20-Aug-09	360	NA	32	8.5	1,100
	17-Feb-16	**240**	**<0.0050**	**24**	**9.7**	**650**
TW-17	21-Aug-09	350	NA	43	4.2	1,200
	17-Feb-16	**290**	**<0.0050**	**38**	**9.1**	**900**
TW-18	21-Aug-09	500	NA	54	3.6	830
	16-Nov-10	490	NA	52	4.6	910
	17-Nov-11	480	NA	49	4.1	1,100
	17-Feb-16	**460**	**<0.0050**	**46**	**5.1**	**1,500**
TW-19	15-Nov-11	Not Sampled-NAPL Present				
	17-Feb-16	**Not Sampled-NAPL Present**				
TW-20	15-Nov-11	Not Sampled-NAPL Present				
	17-Feb-16	**Not Sampled-NAPL Present**				
TW-21	15-Nov-11	Not Sampled-NAPL Present				
	17-Feb-16	**Not Sampled-NAPL Present**				
TW-22	29-May-14	NA	NA	NA	NA	NA
	17-Feb-16	**500**	**<0.0050**	**48**	**4.2**	**610**
TW-23	21-Aug-09	470	NA	49	3.5	1,400
	17-Feb-16	**430**	**<0.0050**	**50**	**3.3**	**1,000**
TW-24	**17-Feb-16**	**520**	**<0.0050**	**43**	**2.6**	**1,100**
TW-25	**17-Feb-16**	**Not Sampled-NAPL Present**				
TW-26	**17-Feb-16**	**Not Sampled-NAPL Present**				
TW-28	**17-Feb-16**	**Not Sampled-NAPL Present**				
TW-29	**19-Feb-16**	**100**	**<0.0050**	**32**	**3.1**	**680**
TW-30	17-Nov-11	670	NA	61	9.3	1,500
	27-Nov-12	470	NA	52	8.9	1,300
	3-Dec-13	480	NA	55	7.0	1,000
	10-Dec-14	440	NA	49	4.8	880
	19-Feb-16	**470**	**<0.0050**	**54**	**5.6**	**880**

TABLE 5
SUMMARY OF GROUNDWATER DISSOLVED METALS ANALYTICAL RESULTS
Thriftway Refinery, 626 CR 5500, Bloomfield, New Mexico

Well ID	Sample Date	Calcium	Lead	Magnesium	Potassium	Sodium
		mg/L	mg/L	mg/L	mg/L	mg/L
Analytical Method		6010B	6010B	6010B	6010B	6010B
NM WQCC Standard		NE	0.05	NE	NE	NE
TW-31	21-Aug-09	460	NA	68	4.9	1,300
	16-Nov-10	520	NA	66	6.9	940
	19-Feb-16	**280**	**<0.0050**	**40**	**3.3**	**990**
TW-32	**17-Feb-16**	**Not Sampled-NAPL Present**				
TW-33	**17-Feb-16**	**Not Sampled-NAPL Present**				
TW-34	24-Aug-09	450	NA	76	4.7	1,200
	22-Nov-11	480	NA	79	4.8	1,100
	23-Feb-16	**480**	**<0.0050**	**93**	**5.2**	**1,400**
TW-35	24-Aug-09	440	NA	88	8.3	1,600
	17-Nov-10	480	NA	84	8.6	1,600
	22-Nov-11	460	NA	90	8.2	1,700
	17-Feb-16	**Not Sampled-NAPL Present**				
TW-36	29-May-14	NA		NA	NA	NA
	22-Feb-16	**430**	**<0.0050**	**81**	**7.3**	**1,500**
TW-37	21-Aug-09	380	NA	46	3.7	870
	16-Nov-10	340	NA	45	3.5	760
	18-May-11	NA	NA	NA	NA	NA
	27-Nov-12	NA	NA	NA	NA	NA
	9-May-13	NA	NA	NA	NA	NA
	3-Dec-13	NA	NA	NA	NA	NA
	29-May-14	NA	NA	NA	NA	NA
	10-Dec-14	380	NA	44	3.0	740
	24-Jun-15	**NA**	**NA**	**NA**	**NA**	**NA**
	25-Feb-16	**320**	**<0.0050**	**41**	**2.9**	**750**
TW-38	16-Nov-10	490	NA	45	3.5	700
	18-May-11	NA	NA	NA	NA	NA
	29-May-14	NA	NA	NA	NA	NA
	25-Feb-16	**470**	**<0.0050**	**45**	**3.0**	**650**
TW-39	21-Aug-09	600	NA	54	7.1	1,100
	16-Nov-10	370	NA	43	4.9	660
	18-May-11	NA	NA	NA	NA	NA
	29-May-14	NA	NA	NA	NA	NA
	19-Feb-16	**240**	**<0.0050**	**33**	**3.6**	**700**
TW-40	**17-Feb-16**	**Not Sampled-NAPL Present**				

TABLE 5
SUMMARY OF GROUNDWATER DISSOLVED METALS ANALYTICAL RESULTS
Thriftway Refinery, 626 CR 5500, Bloomfield, New Mexico

Well ID	Sample Date	Calcium	Lead	Magnesium	Potassium	Sodium
		mg/L	mg/L	mg/L	mg/L	mg/L
Analytical Method		6010B	6010B	6010B	6010B	6010B
NM WQCC Standard		NE	0.05	NE	NE	NE
TW-41	18-May-11	NA	NA	NA	NA	NA
	22-Nov-11	230	NA	50	4.8	860
	27-Nov-12	270	NA	57	5.8	870
	10-May-13	NA	NA	NA	NA	NA
	3-Dec-13	380	NA	68	6.2	620
	29-May-14	NA	NA	NA	NA	NA
	11-Dec-14	260	NA	47	5.3	860
	24-Jun-15	**460**	**NA**	**80**	**7.2**	**1,200**
	22-Feb-16	**460**	**<0.0050**	**58**	**8.2**	**1,100**
TW-42	24-Aug-09	250	NA	75	6.3	1,200
	16-Nov-10	370	NA	110	6.8	1,200
	10-May-13	NA	NA	NA	NA	NA
	29-May-14	NA	NA	NA	NA	NA
	22-Feb-16	**370**	**<0.0050**	**58**	**6.4**	**1,100**
TW-43	16-Nov-10	540	NA	53	4.8	820
	18-May-11	NA	NA	NA	NA	NA
	13-May-13	NA	NA	NA	NA	NA
	30-May-14	NA	NA	NA	NA	NA
	22-Feb-16	**490**	**<0.0050**	**51**	**7.1**	**850**
TW-44	24-Aug-09	610	NA	56	8.1	1,100
	22-Feb-16	**Not Sampled-NAPL Present**				
TW-45	17-Nov-10	550	NA	53	3.9	860
	18-May-11	NA	NA	NA	NA	NA
	13-May-13	NA	NA	NA	NA	NA
	30-May-14	NA	NA	NA	NA	NA
	23-Feb-16	**450**	**<0.0050**	**44**	**3.3**	**890**
TW-46	18-May-11	NA		NA	NA	NA
	23-Feb-16	**350**	**<0.0050**	**58**	**4.4**	**1,400**
TW-47	22-Nov-11	510	NA	120	8.2	2,700
	28-Nov-12	NA	NA	NA	NA	NA
	4-Dec-13	NA	NA	NA	NA	NA
	11-Dec-14	NA	NA	NA	NA	NA
	24-Jun-15	**NA**	**NA**	**NA**	**NA**	**NA**
	26-Feb-16	**460**	**<0.0050**	**98**	**7.4**	**2,400**
TW-48	**19-Feb-16**	**360**	**<0.0050**	**39**	**20**	**750**

TABLE 5
SUMMARY OF GROUNDWATER DISSOLVED METALS ANALYTICAL RESULTS
Thriftway Refinery, 626 CR 5500, Bloomfield, New Mexico

Well ID	Sample Date	Calcium	Lead	Magnesium	Potassium	Sodium
		mg/L	mg/L	mg/L	mg/L	mg/L
Analytical Method		6010B	6010B	6010B	6010B	6010B
NM WQCC Standard		NE	0.05	NE	NE	NE
TW-49	17-Nov-10	630	NA	92	14.0	1,700
	4-Dec-13	NA	NA	NA	NA	NA
	26-Feb-16	**480**	**<0.0050**	**96**	**6.5**	**1,500**
TW-50	18-May-11	NA	NA	NA	NA	NA
	17-Nov-11	480	NA	55	5.7	900
	26-Feb-16	**Not Sampled-NAPL Present**				
TW-51	5-Dec-13	NA	NA	NA	NA	NA
	12-Dec-14	NA	NA	NA	NA	NA
	24-Jun-15	**NA**	**NA**	**NA**	**NA**	**NA**
	26-Feb-16	**320**	**<0.0050**	**64**	**5.1**	**1,300**
TW-52	13-May-13	NA	NA	NA	NA	NA
	30-May-14	NA	NA	NA	NA	NA
	12-Dec-14	NA	NA	NA	NA	NA
	24-Jun-15	**NA**	**NA**	**NA**	**NA**	**NA**
	26-Feb-16	**490**	**<0.0050**	**87**	**4.0**	**1,200**
TW-53	22-Jan-13	NA	NA	NA	NA	NA
	13-May-13	NA	NA	NA	NA	NA
	5-Dec-13	320	NA	68	5.7	1,600
	12-Dec-14	420	NA	81	6.2	1,700
	25-Jun-15	**410**	**NA**	**90**	**7.1**	**1,800**
	26-Feb-16	**380**	**<0.0050**	**82**	**5.8**	**1,600**
TW-54	13-May-13	NA	NA	NA	NA	NA
	6-Dec-13	320	NA	32	7.1	1,100
	30-May-14	NA	NA	NA	NA	NA
	12-Dec-14	340	NA	33	7.1	1100
	25-Jun-15	**330**	**NA**	**41**	**6.8**	**1,200**
	26-Feb-16	**360**	**<0.0050**	**31**	**6.8**	**1,000**
MW-4	**19-Feb-16**	**300**	**<0.0050**	**45**	**7.3**	**1,000**
MW-5	17-Nov-10	150	NA	29	6.1	1,200
	25-Jun-15	**320**		**50**	**6.0**	**1,100**
	22-Feb-16	**260**	**<0.0050**	**45**	**5.8**	**1,200**
MW-6	**19-Feb-16**	**370**	**<0.0050**	**67**	**8.5**	**1,400**
MW-7	13-May-13	NA	NA	NA	NA	NA
	30-May-14	NA	NA	NA	NA	NA
	19-Feb-16	**360**	**<0.0050**	**47**	**5.6**	**980**

TABLE 5
SUMMARY OF GROUNDWATER DISSOLVED METALS ANALYTICAL RESULTS
Thriftway Refinery, 626 CR 5500, Bloomfield, New Mexico

Well ID	Sample Date	Calcium	Lead	Magnesium	Potassium	Sodium
		mg/L	mg/L	mg/L	mg/L	mg/L
Analytical Method		6010B	6010B	6010B	6010B	6010B
NM WQCC Standard		NE	0.05	NE	NE	NE
MW-9	1-Mar-16	390	<0.0050	59	4.8	1,200
MW-10	1-Mar-16	220	<0.0050	25	3.6	830
MW-13	25-Feb-16	450	<0.0050	54	4.4	850
MW-16	25-Feb-16	200	<0.0050	27	2.8	520
MW-17	25-Feb-16	410	<0.0050	42	5.1	710
MW-18	25-Feb-16	490	<0.0050	88	8.0	1,100
MW-19	25-Feb-16	390	<0.0050	73	5.7	1,200
MW-20	3-Dec-12	NA	NA	NA	NA	NA
	13-May-13	NA	NA	NA	NA	NA
	6-Dec-13	NA	NA	NA	NA	NA
	30-May-14	NA	NA	NA	NA	NA
	11-Dec-14	NA	NA	NA	NA	NA
	24-Jun-15	NA	NA	NA	NA	NA
	23-Feb-16	320	<0.0050	44	3.6	1,000
MW-21	17-Nov-10	460	NA	64	7.4	1,400
	18-May-11	NA	NA	NA	NA	NA
	3-Dec-12	NA	NA	NA	NA	NA
	13-May-13	NA	NA	NA	NA	NA
	6-Dec-13	NA	NA	NA	NA	NA
	30-May-14	NA	NA	NA	NA	NA
	11-Dec-14	NA	NA	NA	NA	NA
	24-Jun-15	NA	NA	NA	NA	NA
	26-Feb-16	320	<0.0050	48	6.4	1,200
MW-23	26-Feb-16	Not Sampled-Dry				
MW-25	26-Feb-16	Not Sampled-Dry				
MW-27	26-Feb-16	Not Sampled-Dry				
RW-24	26-Feb-16	Not Sampled-NAPL Present				
RW-25	26-Feb-16	Not Sampled-NAPL Present				

Notes:

<	Analyte not detected above listed method limit
NA	Not Analyzed
NE	Not established
mg/L	Milligrams per liter (ppm)

TABLE 6
SUMMARY OF GROUNDWATER TOTAL RECOVERABLE METALS RESULTS
Thriftway Refinery, 626 CR 5500, Bloomfield, New Mexico

Well ID	Sample Date	Arsenic	Barium	Cadmium	Chromium	Lead	Mercury	Selenium	Silver
		mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
Analytical Method		6010B	6010B	6010B	6010B	6010B	7470	6010B	6010B
NM WQCC Standard		0.10	1.0	0.01	0.05	0.05	0.002	0.05	0.005
TW-1	19-Aug-09	<0.020	0.036	<0.0020	0.01	0.018	<0.00020	<0.050	<0.0050
	16-Feb-16	0.037	1.3	<0.0020	0.072	0.026	0.00022	<0.050	<0.0050
TW-2	19-Aug-09	<0.020	<0.020	<0.0020	<0.0060	0.0053	<0.00020	<0.050	<0.0050
	16-Feb-16	<0.020	0.068	<0.0020	0.0066	<0.0050	<0.00020	<0.050	<0.0050
TW-3	19-Aug-09	<0.020	<0.020	<0.0020	<0.0060	0.0058	<0.00020	<0.050	<0.0050
	26-Feb-16	0.17	0.83	0.0027	0.15	0.0370	0.00025	<0.050	<0.0050
TW-4	19-Aug-09	<0.020	<0.020	<0.0020	<0.0060	0.0053	<0.00020	<0.050	<0.0050
	16-Feb-16	<0.020	0.27	<0.0020	0.0083	<0.0050	<0.00020	<0.050	<0.0050
TW-5	19-Aug-09	<0.020	<0.020	<0.0020	<0.0060	0.0050	<0.00020	<0.050	<0.0050
	16-Feb-16	<0.020	0.64	<0.0020	0.019	0.0062	<0.00020	<0.050	<0.0050
TW-6	19-Aug-09	<0.020	<0.020	<0.0020	<0.0060	0.011	<0.00020	<0.050	<0.0050
	16-Feb-16	<0.020	0.34	<0.0020	0.019	0.0054	<0.00020	<0.050	<0.0050
TW-7	19-Aug-09	<0.020	<0.020	<0.0020	<0.0060	0.011	<0.00020	<0.050	<0.0050
	17-Nov-11	<0.020	0.21	<0.0020	0.0064	<0.0050	<0.00020	<0.050	<0.0050
	16-Feb-16	Not Sampled-NAPL Present							
TW-8	20-Aug-09	<0.020	0.021	<0.0020	<0.0060	<0.0050	<0.00020	<0.050	<0.0050
	26-Nov-12	<0.020	0.32	<0.0020	0.015	<0.0050	<0.00020	<0.050	<0.0050
	3-Dec-13	<0.020	0.030	<0.0020	<0.0060	<0.0050	<0.00020	<0.050	<0.0050
	10-Dec-14	<0.020	<0.020	<0.0020	<0.0060	<0.0050	<0.00020	<0.050	<0.0050
	16-Feb-16	<0.020	0.055	<0.0020	<0.0060	<0.0050	<0.00020	<0.050	<0.0050
TW-9	20-Aug-09	<0.020	0.033	<0.0020	<0.0060	0.0077	<0.00020	<0.050	<0.0050
	16-Feb-16	<0.020	0.42	<0.0020	0.0086	<0.0050	<0.00020	<0.050	<0.0050

TABLE 6
SUMMARY OF GROUNDWATER TOTAL RECOVERABLE METALS RESULTS
Thriftway Refinery, 626 CR 5500, Bloomfield, New Mexico

Well ID	Sample Date	Arsenic	Barium	Cadmium	Chromium	Lead	Mercury	Selenium	Silver
		mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
Analytical Method		6010B	6010B	6010B	6010B	6010B	7470	6010B	6010B
NM WQCC Standard		0.10	1.0	0.01	0.05	0.05	0.002	0.05	0.005
TW-10	20-Aug-09	<0.020	0.038	<0.0020	<0.0060	0.021	<0.00020	<0.050	<0.0050
	16-Feb-16	**<0.020**	**0.11**	**<0.0020**	**<0.0060**	**<0.0050**	**<0.00020**	**<0.050**	**<0.0050**
TW-11	20-Aug-09	<0.20	<0.20	<0.020	<0.060	<0.050	<0.00020	<0.50	<0.050
	17-Feb-16	**<0.020**	**0.19**	**<0.0020**	**0.010**	**<0.0050**	**<0.00020**	**<0.050**	**<0.0050**
TW-12	20-Aug-09	<0.020	0.020	<0.0020	<0.0060	0.0072	<0.00020	<0.050	<0.0050
	16-Feb-16	**Not Sampled-NAPL Present**							
TW-13	**18-May-11**	Not Sampled-NAPL Present							
	15-Nov-11	Not Sampled-NAPL Present							
	16-Feb-16	**Not Sampled-NAPL Present**							
TW-14	**18-May-11**	Not Sampled-NAPL Present							
	15-Nov-11	Not Sampled-NAPL Present							
	16-Feb-16	**Not Sampled-NAPL Present**							
TW-15	20-Aug-09	<0.020	<0.020	<0.0020	<0.0060	0.0092	<0.00020	<0.050	<0.0050
	17-Feb-16	**0.14**	**0.23**	**<0.0020**	**<0.0060**	**<0.0050**	**<0.00020**	**<0.050**	**<0.0050**
TW-16	20-Aug-09	<0.020	0.047	<0.0020	<0.0060	0.0095	<0.00020	<0.050	<0.0050
	17-Feb-16	**0.12**	**2.4**	**<0.0020**	**0.064**	**0.05**	**<0.00020**	**<0.050**	**<0.0050**
TW-17	21-Aug-09	0.063	<0.020	<0.0020	<0.0060	0.0083	<0.00020	<0.050	<0.0050
	17-Feb-16	**0.55**	**0.13**	**<0.0020**	**<0.0060**	**0.0093**	**<0.00020**	**<0.050**	**<0.0050**
TW-18	21-Aug-09	<0.020	<0.020	<0.0020	<0.0060	<0.0050	<0.00020	<0.050	<0.0050
	16-Nov-10	<0.020	<0.020	<0.0020	<0.0060	0.0055	<0.00020	<0.050	<0.0050
	17-Nov-11	<0.020	0.14	<0.0020	0.0088	0.0058	<0.00020	<0.050	<0.0050
	17-Feb-16	**0.023**	**0.092**	**<0.0020**	**<0.0060**	**<0.0050**	**<0.00020**	**<0.050**	**<0.0050**

TABLE 6
SUMMARY OF GROUNDWATER TOTAL RECOVERABLE METALS RESULTS
Thriftway Refinery, 626 CR 5500, Bloomfield, New Mexico

Well ID	Sample Date	Arsenic	Barium	Cadmium	Chromium	Lead	Mercury	Selenium	Silver
		mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
Analytical Method		6010B	6010B	6010B	6010B	6010B	7470	6010B	6010B
NM WQCC Standard		0.10	1.0	0.01	0.05	0.05	0.002	0.05	0.005
TW-19	18-May-11	Not Sampled-NAPL Present							
	15-Nov-11	Not Sampled-NAPL Present							
	17-Feb-16	**Not Sampled-NAPL Present**							
TW-20	18-May-11	Not Sampled-NAPL Present							
	15-Nov-11	Not Sampled-NAPL Present							
	17-Feb-16	**Not Sampled-NAPL Present**							
TW-21	18-May-11	Not Sampled-NAPL Present							
	15-Nov-11	Not Sampled-NAPL Present							
	17-Feb-16	**Not Sampled-NAPL Present**							
TW-22	17-Feb-16	**<0.020**	**0.10**	**<0.0020**	**<0.0060**	**<0.0050**	**<0.00020**	**<0.050**	**<0.0050**
TW-23	21-Aug-09	<0.020	0.023	<0.0020	<0.0060	<0.0050	<0.00020	<0.050	<0.0050
	17-Feb-16	**0.095**	**0.35**	**<0.0020**	**<0.0060**	**<0.0050**	**<0.00020**	**<0.050**	**<0.0050**
TW-24	17-Feb-16	**0.12**	**0.069**	**<0.0020**	**<0.0060**	**0.0061**	**<0.00020**	**<0.050**	**<0.0050**
TW-25	17-Feb-16	**Not Sampled-NAPL Present**							
TW-26	17-Feb-16	**Not Sampled-NAPL Present**							
TW-28	17-Feb-16	**Not Sampled-NAPL Present**							
TW-29	19-Feb-16	**0.17**	**0.25**	**<0.0020**	**<0.0060**	**0.023**	**<0.00020**	**<0.050**	**<0.0050**
TW-30	17-Nov-11	0.040	0.41	<0.0020	0.011	<0.0050	<0.00020	<0.050	<0.0050
	27-Nov-12	0.046	1.1	<0.0020	0.027	0.012	<0.00020	<0.050	<0.0050
	3-Dec-13	0.064	0.42	<0.0020	0.0096	<0.0050	<0.00020	<0.050	<0.0050
	10-Dec-14	0.032	0.022	<0.0020	<0.0060	<0.0050	<0.00020	<0.050	<0.0050
	19-Feb-16	**0.22**	**2.3**	**<0.0020**	**0.054**	**0.046**	**0.00032**	**<0.050**	**<0.0050**

TABLE 6
SUMMARY OF GROUNDWATER TOTAL RECOVERABLE METALS RESULTS
Thriftway Refinery, 626 CR 5500, Bloomfield, New Mexico

Well ID	*Sample Date*	*Arsenic*	*Barium*	*Cadmium*	*Chromium*	*Lead*	*Mercury*	*Selenium*	*Silver*
		mg/L	*mg/L*	*mg/L*	*mg/L*	*mg/L*	*mg/L*	*mg/L*	*mg/L*
Analytical Method		***6010B***	***6010B***	***6010B***	***6010B***	***6010B***	***7470***	***6010B***	***6010B***
NM WQCC Standard		***0.10***	***1.0***	***0.01***	***0.05***	***0.05***	***0.002***	***0.05***	***0.005***
TW-31	21-Aug-09	0.066	0.064	<0.0020	<0.0060	0.015	<0.00020	<0.050	<0.0050
	16-Nov-10	0.034	0.025	<0.0020	<0.0060	<0.0050	<0.00020	<0.050	<0.0050
	19-Feb-16	**0.32**	**0.05**	**<0.0020**	**<0.0060**	**<0.0050**	**<0.00020**	**<0.050**	**<0.0050**
TW-32	21-Aug-09	Not Sampled-NAPL Present							
	16-Nov-10	Not Sampled-NAPL Present							
	17-Feb-16	**Not Sampled-NAPL Present**							
TW-33	18-May-11	Not Sampled-NAPL Present							
	15-Nov-11	Not Sampled-NAPL Present							
	17-Feb-16	**Not Sampled-NAPL Present**							
TW-34	24-Aug-09	<0.020	<0.020	<0.0020	<0.0060	<0.0050	<0.00020	<0.050	<0.0050
	22-Nov-11	<0.020	0.33	<0.0020	0.032	<0.0050	0.00025	<0.050	<0.0050
	23-Feb-16	**<0.040**	**0.49**	**<0.0020**	**0.033**	**0.024**	**<0.00020**	**<0.050**	**<0.0050**
TW-35	24-Aug-09	<0.020	<0.020	<0.0020	<0.0060	0.0061	<0.00020	<0.050	<0.0050
	17-Nov-10	<0.020	<0.020	<0.0020	<0.0060	<0.0050	<0.00020	<0.050	<0.0050
	22-Nov-11	0.036	0.028	<0.0020	<0.0060	<0.0050	<0.00020	<0.050	<0.0050
	17-Feb-16	**Not Sampled-NAPL Present**							
TW-36	**22-Feb-16**	**0.023**	**0.032**	**<0.0020**	**<0.0060**	**<0.0050**	**<0.00020**	**<0.050**	**<0.0050**
TW-37	21-Aug-09	<0.020	0.041	<0.0020	<0.0060	<0.0050	<0.00020	<0.050	<0.0050
	16-Nov-10	<0.020	0.061	<0.0020	<0.0060	<0.0050	<0.00020	<0.050	<0.0050
	10-Dec-14	<0.020	<0.020	<0.0020	<0.0060	<0.0050	<0.00020	<0.050	<0.0050
	25-Feb-16	**<0.020**	**0.10**	**<0.0020**	**<0.0060**	**<0.0050**	**<0.00020**	**<0.050**	**<0.0050**
TW-38	16-Nov-10	<0.020	0.023	<0.0020	<0.0060	<0.0050	<0.00020	<0.050	<0.0050
	25-Feb-16	**0.0023**	**0.13**	**<0.0020**	**<0.0060**	**<0.0050**	**<0.00020**	**<0.050**	**<0.0050**

TABLE 6
SUMMARY OF GROUNDWATER TOTAL RECOVERABLE METALS RESULTS
Thriftway Refinery, 626 CR 5500, Bloomfield, New Mexico

Well ID	Sample Date	Arsenic	Barium	Cadmium	Chromium	Lead	Mercury	Selenium	Silver
		mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
Analytical Method		6010B	6010B	6010B	6010B	6010B	7470	6010B	6010B
NM WQCC Standard		0.10	1.0	0.01	0.05	0.05	0.002	0.05	0.005
TW-39	21-Aug-09	<0.020	0.08	<0.0020	0.0077	<0.0050	<0.00020	<0.050	<0.0050
	16-Nov-10	<0.020	0.029	<0.0020	<0.0060	<0.0050	<0.00020	<0.050	<0.0050
	19-Feb-16	**<0.020**	**0.074**	**<0.0020**	**<0.0060**	**<0.0050**	**<0.00020**	**<0.050**	**<0.0050**
TW-40	18-May-11	Not Sampled-NAPL Present							
	15-Nov-11	Not Sampled-NAPL Present							
	17-Feb-16	**Not Sampled-NAPL Present**							
TW-41	24-Aug-09	<0.020	0.11	<0.0020	<0.0060	<0.0050	<0.00020	<0.050	<0.0050
	16-Nov-10	<0.020	0.069	<0.0020	<0.0060	<0.0050	<0.00020	<0.050	<0.0050
	22-Nov-11	0.029	0.75	<0.0020	<0.0060	<0.0050	<0.00020	<0.050	<0.0050
	27-Nov-12	0.048	0.59	<0.0020	<0.0060	<0.0050	<0.00020	<0.050	<0.0050
	3-Dec-13	0.036	0.21	<0.0020	<0.0060	<0.0050	<0.00020	<0.050	<0.0050
	11-Dec-14	<0.020	0.034	<0.0020	<0.0060	<0.0050	<0.00020	<0.050	<0.0050
	24-Jun-15	**0.021**	**0.26**	**<0.0020**	**<0.0060**	**<0.0050**	**<0.00020**	**<0.050**	**<0.0050**
	22-Feb-16	**0.041**	**0.36**	**<0.0020**	**<0.0060**	**<0.0050**	**<0.00020**	**<0.050**	**<0.0050**
TW-42	24-Aug-09	<0.020	0.042	<0.0020	<0.0060	<0.0050	<0.00020	<0.050	<0.0050
	16-Nov-10	<0.020	<0.020	<0.0020	<0.0060	<0.0050	<0.00020	<0.050	<0.0050
	22-Feb-16	**0.31**	**0.72**	**<0.0020**	**<0.0060**	**0.02**	**<0.00020**	**<0.050**	**<0.0050**
TW-43	24-Aug-09	<0.020	<0.020	<0.0020	<0.0060	0.0061	<0.00020	<0.050	<0.0050
	16-Nov-10	<0.020	<0.020	<0.0020	<0.0060	0.0073	<0.00020	<0.050	<0.0050
	22-Feb-16	**0.20**	**0.30**	**<0.0020**	**<0.0060**	**<0.0050**	**<0.00020**	**<0.050**	**<0.0050**
TW-44	24-Aug-09	<0.020	0.043	<0.0020	<0.0060	<0.0050	<0.00020	<0.050	<0.0050
	18-May-11	Not Sampled-NAPL Present							
	15-Nov-11	Not Sampled-NAPL Present							
	22-Feb-16	**Not Sampled-NAPL Present**							

TABLE 6
SUMMARY OF GROUNDWATER TOTAL RECOVERABLE METALS RESULTS
Thriftway Refinery, 626 CR 5500, Bloomfield, New Mexico

Well ID	Sample Date	Arsenic	Barium	Cadmium	Chromium	Lead	Mercury	Selenium	Silver
		mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
Analytical Method		6010B	6010B	6010B	6010B	6010B	7470	6010B	6010B
NM WQCC Standard		0.10	1.0	0.01	0.05	0.05	0.002	0.05	0.005
TW-45	17-Nov-10	0.070	<0.020	<0.0020	<0.0060	<0.0050	<0.00020	<0.050	<0.0050
	23-Feb-16	0.87	0.16	<0.0020	<0.0060	<0.0050	<0.00020	<0.050	<0.0050
TW-46	23-Feb-16	0.03	0.17	<0.0020	<0.0060	<0.0050	<0.00020	<0.050	<0.0050
TW-47	17-Nov-10	<0.10	<0.10	<0.010	<0.030	<0.025	<0.00020	<0.25	<0.025
	22-Nov-11	<0.020	0.13	<0.0020	<0.0060	<0.0050	<0.00020	<0.050	<0.0050
	26-Feb-16	<0.020	0.063	<0.0020	<0.0060	<0.0050	<0.00020	<0.050	<0.0050
TW-48	19-Feb-16	0.24	3.4	<0.0020	0.13	0.12	0.00032	<0.050	<0.0050
TW-49	17-Nov-10	<0.10	<0.10	<0.010	<0.030	<0.025	<0.00020	<0.25	<0.025
	26-Feb-16	0.16	1.1	<0.0020	0.039	0.061	<0.00020	<0.050	<0.0050
TW-50	17-Nov-11	<0020	0.10	<0.0020	<0.0060	<0.0050	<0.00020	<0.050	<0.0050
	26-Feb-16	Not Sampled-NAPL Present							
TW-51	26-Feb-16	0.066	0.087	<0.0020	<0.0060	<0.0050	<0.00020	<0.050	<0.0050
TW-52	3-Dec-12	0.035	0.85	<0.0020	0.064	0.020	<0.00020	<0.050	<0.0050
	26-Feb-16	<0.10	0.33	<0.0020	0.016	<0.0050	<0.00020	<0.050	<0.0050
TW-53	5-Dec-13	0.28	0.33	<0.0020	0.013	<0.0050	<0.00020	<0.050	<0.0050
	12-Dec-14	0.24	0.037	<0.0020	<0.0060	<0.0050	<0.00020	<0.050	<0.0050
	25-Jun-15	0.21	0.23	<0.0020	<0.0060	<0.0050	<0.00020	<0.050	<0.0050
	26-Feb-16	0.14	0.15	<0.0020	<0.0060	<0.0050	<0.00020	<0.050	<0.0050
TW-54	6-Dec-13	0.12	0.35	<0.0020	0.024	<0.0050	<0.00020	<0.050	<0.0050
	12-Dec-14	0.13	0.024	<0.0020	<0.0060	<0.0050	<0.00020	<0.050	<0.0050
	25-Jun-15	0.52	0.11	<0.0020	<0.0060	<0.0050	<0.00020	<0.050	<0.0050
	26-Feb-16	1.10	0.40	<0.0020	<0.0060	0.026	<0.00020	<0.050	<0.0050

TABLE 6
SUMMARY OF GROUNDWATER TOTAL RECOVERABLE METALS RESULTS
Thriftway Refinery, 626 CR 5500, Bloomfield, New Mexico

Well ID	Sample Date	Arsenic	Barium	Cadmium	Chromium	Lead	Mercury	Selenium	Silver
		mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
Analytical Method		6010B	6010B	6010B	6010B	6010B	7470	6010B	6010B
NM WQCC Standard		0.10	1.0	0.01	0.05	0.05	0.002	0.05	0.005
MW-4	19-Feb-16	0.11	1.6	<0.0020	0.022	0.015	<0.00020	<0.050	<0.0050
MW-5	17-Nov-10	<0.020	<0.020	<0.0020	<0.0060	<0.0050	<0.00020	<0.050	<0.0050
	25-Jun-15	0.052	1.1	<0.0020	0.013	0.022	<0.00020	<0.050	<0.0050
	22-Feb-16	<0.020	0.094	<0.0020	<0.0060	<0.0050	<0.00020	<0.050	<0.0050
MW-6	19-Feb-16	<0.020	0.033	<0.0020	<0.0060	<0.0050	<0.00020	<0.050	<0.0050
MW-7	19-Feb-16	0.14	0.043	<0.0020	<0.0060	<0.0050	<0.00020	<0.050	<0.0050
MW-9	1-Mar-16	0.043	0.78	<0.0020	0.029	0.028	0.00022	<0.050	<0.0050
MW-10	1-Mar-16	<0.020	0.53	<0.0020	<0.0060	0.029	<0.00020	<0.050	<0.0050
MW-12	25-Feb-16	Not Sampled-NAPL Present							
MW-13	25-Feb-16	0.10	0.19	<0.0020	<0.0060	<0.0050	<0.00020	<0.050	0.0054
MW-16	25-Feb-16	<0.020	0.16	<0.0020	<0.0060	0.014	<0.00020	<0.050	0.0082
MW-17	25-Feb-16	0.08	0.32	<0.0020	<0.0060	0.054	<0.00020	<0.050	<0.0050
MW-18	25-Feb-16	0.56	1.4	<0.0020	0.063	0.038	0.00027	<0.050	<0.0050
MW-19	25-Feb-16	0.21	1.5	<0.010	0.068	0.12	0.00051	<0.25	<0.025
MW-20	17-Nov-10	<0.020	0.02	<0.0020	<0.0060	<0.0050	<0.00020	<0.050	<0.0050
	23-Feb-16	<0.020	0.054	<0.0020	<0.0060	<0.0050	<0.00020	<0.050	<0.0050
MW-21	17-Nov-10	0.040	<0.020	<0.0020	<0.0060	<0.0050	<0.00020	<0.050	<0.0050
	26-Feb-16	0.64	0.11	<0.0020	<0.0060	<0.0050	<0.00020	<0.050	<0.0050
MW-23	26-Feb-16	Not Sampled-Dry							
MW-25	26-Feb-16	Not Sampled-Dry							

TABLE 6
SUMMARY OF GROUNDWATER TOTAL RECOVERABLE METALS RESULTS
Thriftway Refinery, 626 CR 5500, Bloomfield, New Mexico

Well ID	*Sample Date*	*Arsenic*	*Barium*	*Cadmium*	*Chromium*	*Lead*	*Mercury*	*Selenium*	*Silver*
		mg/L	*mg/L*	*mg/L*	*mg/L*	*mg/L*	*mg/L*	*mg/L*	*mg/L*
Analytical Method		*6010B*	*6010B*	*6010B*	*6010B*	*6010B*	*7470*	*6010B*	*6010B*
NM WQCC Standard		*0.10*	*1.0*	*0.01*	*0.05*	*0.05*	*0.002*	*0.05*	*0.005*
MW-27	**26-Feb-16**	**Not Sampled-Dry**							
RW-24	**26-Feb-16**	**Not Sampled-NAPL Present**							
RW-25	**26-Feb-16**	**Not Sampled-NAPL Present**							

Notes:

< **Analyte not detected above listed method limit**

mg/L **Milligrams per liter (ppm)**

FIGURES

FIGURE 1

General Site Plan

THRIFTWAY REFINERY
626 CR 5500
BLOOMFIELD, NEW MEXICO

DATE DRAWN: January 11, 2016	**DATE REVISED:**	**DATE CHECKED:**	**DATE APPROVED:**
DRAWN BY: R. Kennemer	**REVISIONS BY:**	**CHECKED BY:**	**APPROVED BY:**

MANGUM COM B #1 GAS WELL
BONE YARD
LINED EVAPORATION POND
RESIDUAL FUEL LOADING RACK
LNG TANKS
GROUNDWATER REMEDIATION BUILDING
WASTE WATER TREATMENT
LINED EVAPORATION POND
HYDROCRACKER/REFORMER
WATER WELL
SHOP
COOLING TOWER
CONTROLS BUILDING
CRUDE UNIT
OFFICE/LAB
CR 5500
DIESEL LOADING RACK
CRUDE RECEIVING
CRUDE RECEIVING
OFFICE
GASOLINE LOADING RACK
DIESEL TRUCK FUELING
KUTZ WASH
KUTZ WASH
ARROYO

SCALE
0 30 90 150
(1 INCH = 150 FEET)

N

BioTech REMEDIATION

FIGURE 2

FREE-PHASE PRODUCT THICKNESS CONTOURS FEBRUARY 2016

THRIFTWAY REFINERY
626 CR 5500
BLOOMFIELD, NEW MEXICO

DATE DRAWN: April 4, 2016	DATE REVISED:	DATE CHECKED:	DATE APPROVED:
DRAWN BY: R. Kennemer	REVISIONS BY:	CHECKED BY:	APPROVED BY:

TW-53 0.0
TW-54 0.0
TW-52 0.0
TW-51 0.0
TW-46 0.0
TW-45 0.0
MW-20 0.0
TW-42 0.0
MW-5 0.0
MW-18 0.0
MW-19 0.0
TW-43 0.0
TW-44 0.12
TW-36 0.0
TW-47 0.0
MW-21 0.0
MW-4 0.0
MW-6 0.0
MW-7 0.0
TW-49 0.0
TW-41 0.0
TW-40 0.25
TW-39 0.0
TW-31 0.0
TW-30 0.0
MW-9 0.0
TW-50 0.33
TW-48 0.0
MW-10 0.0
MW-17 0.0
TW-29 0.0
TW-38 0.0
TW-37 0.0
TW-32 0.95
TW-24 0.0
TW-23 0.0
TW-17 0.0
MW-16 0.0
TW-16 0.0
TW-33 0.68
TW-28 1.01
TW-25 0.23
TW-22 0.0
TW-15 0.0
TW-10 0.0
TW-18 0.0
TW-9 0.0
TW-26 0.61
RW-24 0.73
RW-25 0.65
TW-21 0.31
TW-19 0.21
TW-14 0.45
TW-11 0.0
TW-8 0.0
TW-35 0.47
MW-12 0.70
TW-20 0.52
TW-13 0.74
TW-12 0.20
TW-7 1.06
TW-4 0.0
TW-34 0.0
MW-13 0.0
TW-6 0.0
TW-5 0.0
TW-3 0.0
TW-2 0.0
TW-1 0.0

0.00 0.20 0.40 0.60 0.80

SCALE
200 0 100 200
50 (1 INCH = 200 FEET)

N

LEGEND

- GROUNDWATER MONITORING WELL
- 0.52 FREE-PHASE PRODUCT THICKNESS IN FEET
- 0.40 FREE-PHASE PRODUCT THICKNESS CONTOUR

BioTech REMEDIATION

FIGURE 3

GROUNDWATER ELEVATION CONTOURS FEBRUARY 2016

THRIFTWAY REFINERY
626 CR 5500
BLOOMFIELD, NEW MEXICO

DATE DRAWN: April 4, 2016	DATE REVISED:	DATE CHECKED:	DATE APPROVED:
DRAWN BY: R. Kennemer	REVISIONS BY:	CHECKED BY:	APPROVED BY:

APPROXIMATE GROUNDWATER GRADIENT
0.007 FT/FT

TW-53 NS
TW-54 NS
TW-52 NS
TW-51 NS
TW-46 NS
TW-45 NS
TW-47 NS
TW-49 NS
TW-50 NS
TW-48 NS
MW-21 5424.73
MW-5 5423.69
MW-4 5424.77
MW-6 5425.94
MW-7 5426.75
TW-42 5427.30
MW-18 5424.84
MW-20 5424.84
MW-19 5424.73
TW-41 5428.72
TW-40 5429.71
TW-39 5430.65
TW-31 5431.53
TW-30 5432.07
MW-9 5430.64
MW-10 5432.20
MW-17 5429.11
TW-29 5432.60
TW-43 5428.09
TW-37 5428.89
TW-38 5430.47
TW-32 5432.09
TW-24 5433.77
TW-23 5434.57
TW-17 5435.55
MW-16 5433.55
TW-16 5436.73
TW-44 5428.87
TW-33 5432.70
TW-28 5433.59
TW-25 5434.30
TW-22 5434.95
TW-18 5435.94
TW-15 5436.90
TW-10 5437.29
TW-9 5437.87
TW-36 5428.72
TW-26 5434.05
RW-24 5431.24
RW-25 5431.45
TW-35 5433.69
MW-12 5431.37
TW-21 5434.96
TW-19 5440.36
TW-14 5436.58
TW-11 5437.59
TW-8 5437.99
TW-20 5435.68
TW-13 5436.87
TW-12 5437.41
TW-7 5438.29
TW-4 5438.85
TW-34 5435.53
MW-13 5433.83
TW-6 5438.13
TW-5 5438.87
TW-3 5439.91
TW-2 5439.53
TW-1 5440.00

5425 5426 5427 5428 5429 5430 5431 5432 5433 5434 5435 5436 5437 5438 5439

LEGEND

- GROUNDWATER MONITORING WELL
- 5430 — GROUNDWATER ELEVATION FEET ABOVE A.M.S.L.
- 5430 — GROUNDWATER ELEVATION CONTOUR
- NS — NOT SURVEYED

SCALE
200 0 100 200
50 (1 INCH = 200 FEET)

N

BioTech REMEDIATION

FIGURE 4

DISSOLVED BENZENE CONCENTRATION CONTOURS FEBRUARY 2016

THRIFTWAY REFINERY
626 CR 5500
BLOOMFIELD, NEW MEXICO

DATE DRAWN:	April 4, 2016
DATE REVISED:	
DATE CHECKED:	
DATE APPROVED:	
DRAWN BY:	R. Kennemer
REVISIONS BY:	
CHECKED BY:	
APPROVED BY:	

TW-53 0.0
TW-54 0.0
TW-47 0.0
MW-21 0.0
TW-49 0.0
TW-52 0.0
MW-5 0.0
MW-4 0.0
MW-6 0.0
MW-7 0.0
TW-51 0.0
TW-46 0.0
TW-42 0.0
MW-18 0.0
TW-41 25
TW-39 0.0
TW-40
TW-31 0.0
TW-30 0.0
MW-9 0.0
TW-45 0.0
MW-20 0.0
MW-19 0.0
TW-50
TW-48 0.0
MW-10 0.0
MW-17 0.0
TW-29 6.4
TW-43 0.0
TW-37 130
TW-38 8.0
TW-32
TW-24 0.0
TW-23 0.0
TW-17 0.0
MW-16 0.0
TW-16 0.0
TW-44
TW-33
TW-28
TW-25
TW-22 0.0
TW-15 0.0
TW-10 0.0
TW-18 0.0
TW-9 0.0
TW-36 0.0
RW-24
TW-21
TW-19
TW-14
TW-11 0.0
TW-8 0.0
TW-26
RW-25
TW-35
MW-12
CR 5500
TW-20
TW-13
TW-12
TW-7
TW-4 0.0
TW-34 0.0
MW-13 0.0
TW-6 0.0
TW-5 0.0
TW-3 0.0
TW-2 0.0
TW-1 0.0

10
50
100
50
10

SCALE
200 0 100 200
50 (1 INCH = 200 FEET)

N

LEGEND

- GROUNDWATER MONITORING WELL
- 8.0 DISSOLVED BENZENE CONCENTRATION (uG/L)
- 50 DISSOLVED BENZENE CONCENTRATION CONTOUR
- FREE PRODUCT PLUME

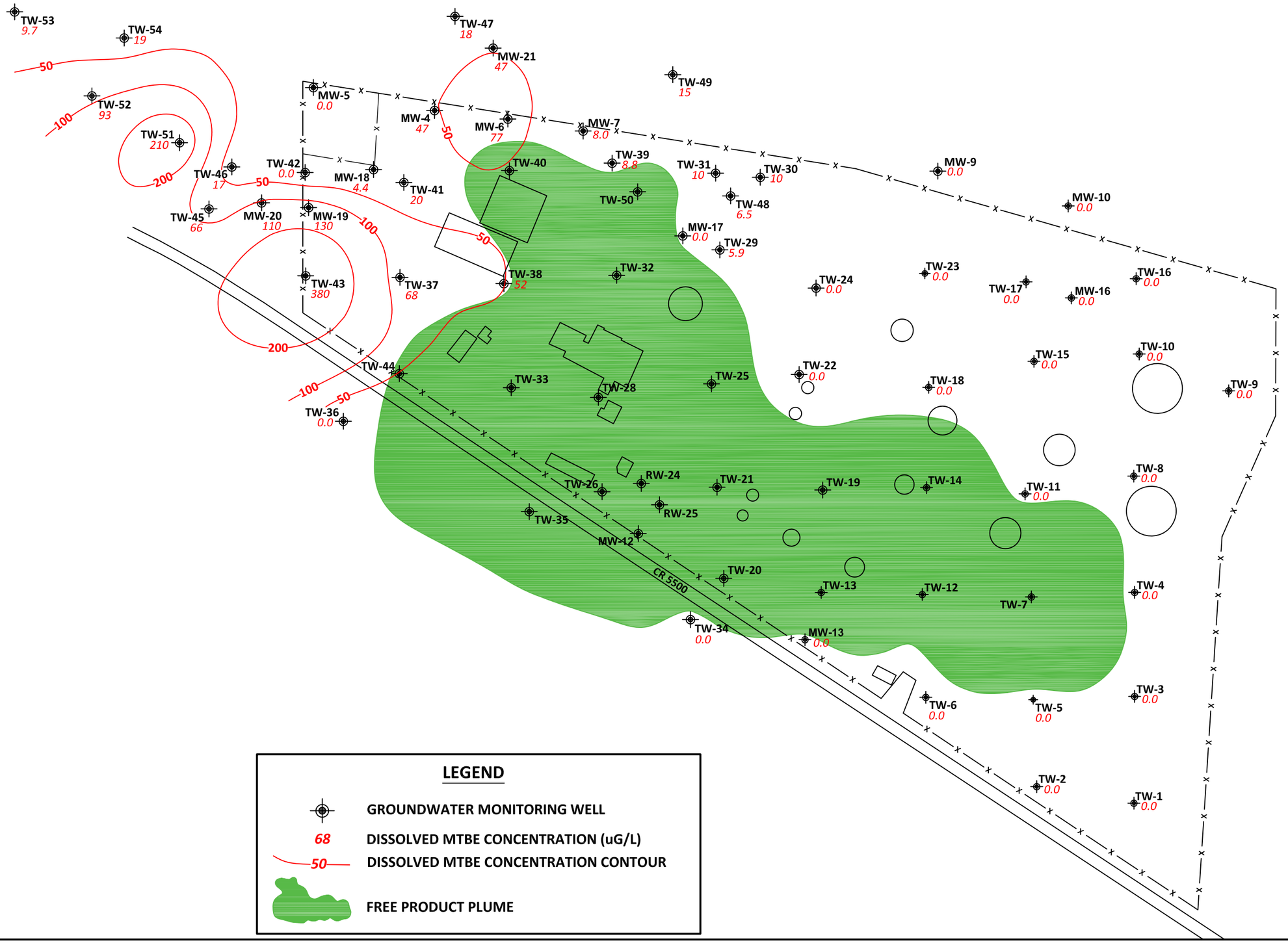
BioTech REMEDIATION

FIGURE 5

DISSOLVED MTBE CONCENTRATION CONTOURS FEBRUARY 2016

THRIFTWAY REFINERY
626 CR 5500
BLOOMFIELD, NEW MEXICO

DATE DRAWN:	DATE REVISED:	DATE CHECKED:	DATE APPROVED:
April 4, 2016			
DRAWN BY:	**REVISIONS BY:**	**CHECKED BY:**	**APPROVED BY:**
R. Kennemer			



LEGEND

- GROUNDWATER MONITORING WELL
- 68 — DISSOLVED MTBE CONCENTRATION (uG/L)
- 50 — DISSOLVED MTBE CONCENTRATION CONTOUR
- FREE PRODUCT PLUME

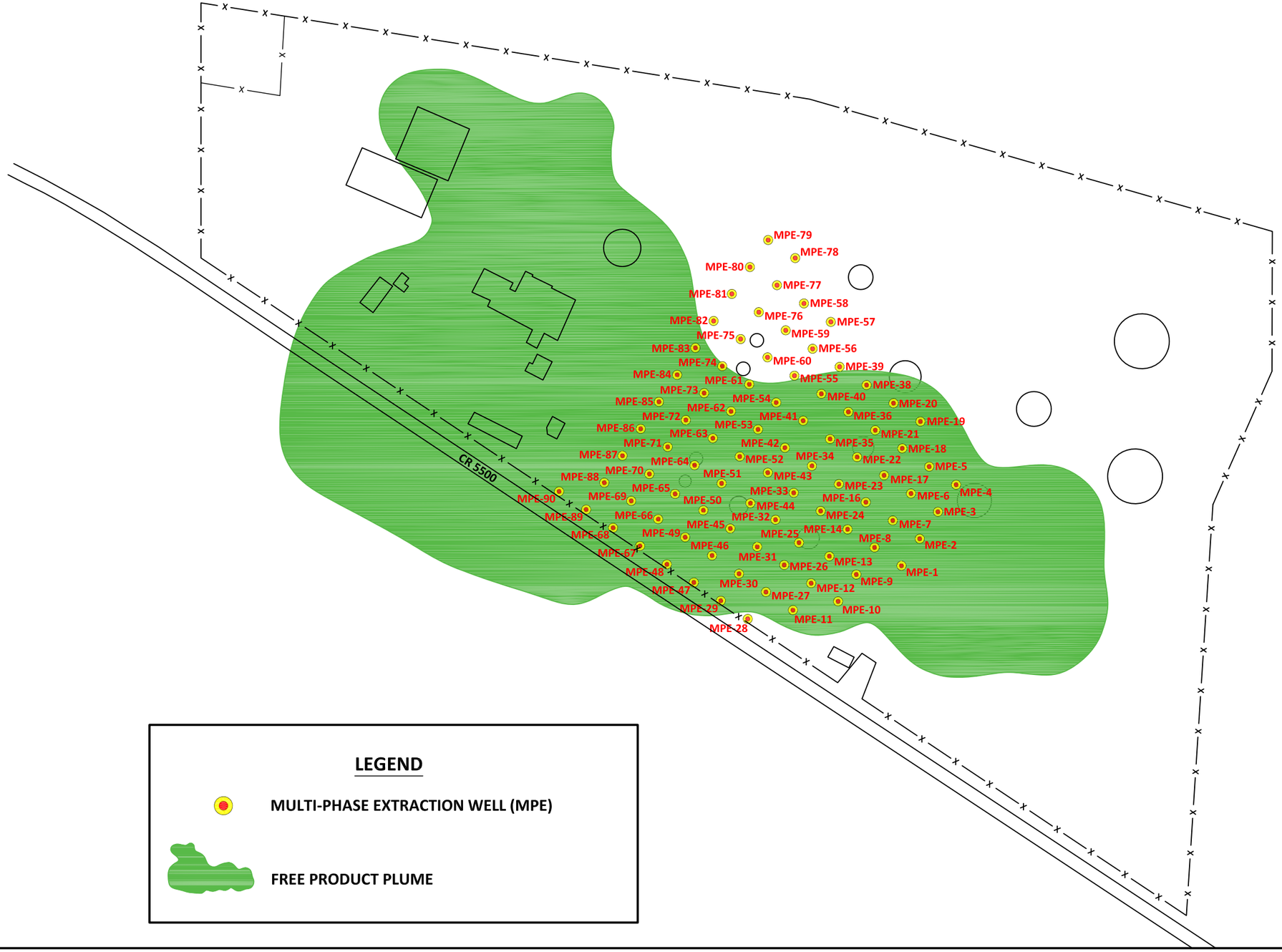
BioTech REMEDIATION

FIGURE 6

MPE WELL NETWORK
FEBRUARY 2016

THRIFTWAY REFINERY
626 CR 5500
BLOOMFIELD, NEW MEXICO

DATE DRAWN:	April 4, 2016
DATE REVISED:	
DATE CHECKED:	
DATE APPROVED:	
DRAWN BY:	R. Kennemer
REVISIONS BY:	
CHECKED BY:	
APPROVED BY:	



LEGEND

MULTI-PHASE EXTRACTION WELL (MPE)

FREE PRODUCT PLUME

SCALE
200 0 100 200
50 (1 INCH = 200 FEET)

N

BioTech REMEDIATION

APPENDIX A.

DEPTH TO GROUNDWATER MEASUREMENT FORM

Animas Environmental Services
604 W Pinon St., Farmington NM 87401
Tel. (505) 564-2281 Fax (505) 324-2022

Project: Groundwater Monitoring
Site: Thriftway #810 Refinery
Location: Bloomfield, New Mexico
Tech: Mike Beauparlant

Project No.: AES 050204
Date: 10-17-15
Time: 10:30
Form: 1 of 5

Well I.D.	Time	Depth to NAPL (ft.)	Depth to Water (ft.)	NAPL Thickness (ft.)	Notes / Observations
TW-1	10:43		31.09'		
TW-2	10:38		29.32'		
TW-3 *					- REHAB / ROOTS @ 30'
TW-4	11:19		19.48'		
TW-5	11:12		25.20'		
TW-6	11:05		25.11'		
TW-7	11:45	22.45'	23.01'	0.56'	
TW-8	11:24		20.03'		
TW-9	11:32		12.56'		
TW-10	11:37		12.75'		
TW-11	11:54		18.45'		
TW-12	12:00		22.74'		
TW-13	12:04	20.96	21.52'	0.56'	
TW-14	12:09	17.35'	17.50'		
TW-15	12:18		13.45'		
TW-16	12:26		10.75'		
TW-17	12:29		10.24'		
TW-18	~~12:38~~ 12:50		16.62 ~~8.90~~'		(16.62') DTW
TW-19	12:46		17.90'		
TW-20	12:52	17.79	18.73'	0.94'	
TW-21	12:57		16.68'		
TW-22	13:00		15.06'		
TW-23 *	12:35		8.90'		
TW-24	14:45		10.96'		
TW-25	14:51		14.32'		
TW-26	14:56	16:05	16.24'	0.19'	
TW-28	15:03	15.33	16.00	0.67'	
TW-29	15:10		9.19'		
TW-30	15:19		6.00'		
TW-31	15:21		7.02		
TW-32	15:28	9.20'	9.40	0.20'	
TW-33	15:40	12.85'	13.25'	0.40'	13.73 → 14.12' - 26.5'
TW-34	15:46		20.20'		

Wells measured with KECK water level or KECK interface tape, decontaminated between each well measurement.

DEPTH TO GROUNDWATER MEASUREMENT FORM

Animas Environmental Services
604 W Pinon St., Farmington NM 87401
Tel. (505) 564-2281 Fax (505) 324-2022

Project: Groundwater Monitoring
Site: Thriftway #810 Refinery
Location: Bloomfield, New Mexico
Tech: Mike Beauparlant

Project No.: AES 050204
Date: 6-17 15 / 6-18-15
Time:
Form: 2 of 5

Well I.D.	Time	Depth to NAPL (ft.)	Depth to Water (ft.)	NAPL Thickness (ft.)	Notes / Observations
TW-35	15:52	15.18'	15.58		
TW-36	16:00		12.85		
TW-37	09:10		10.45'		
TW-38	09:18		11.41'		
TW-39	09:25		7.60'		8.69 - 33 = 7.60'
TW-40	09:34	7.47	7.61'	0.14'	
TW-41	09:40		5.63'		6.85 - 37 = 5.63
TW-42	09:55		5.80'		7.56 - 53.5 = 5.80'
TW-43	10:00		12.04'		
TW-44	10:09	14.77'	15.70'	0.93	
TW-45	10:11		6.84'		
TW-46	10:14		7.11'		
TW-47	10:23		6.53'		
TW-48	11:00		7.19'		
TW-49	10:35		5.84'		
TW-50	11:05	7.65'	7.98		8.83 - 9.18 - 36 =
TW-51	10:13		6.73'		
TW-52	10:46		7.09'		
TW-53	10:49		6.90'		
TW-54	10:52		7.31'		
MW-5	09:55		4.83'		
MW-7	11:10		8.19'		
MW-20	10:17		5.76'		
MW-21	10:24		3.30'		

Wells measured with KECK water level or KECK interface tape, decontaminated between each well measurement.

DEPTH TO GROUNDWATER MEASUREMENT FORM

Animas Environmental Services
604 W Pinon St., Farmington NM 87401
Tel. (505) 564-2281 Fax (505) 324-2022

Project: Groundwater Monitoring
Site: Thriftway #810 Refinery
Location: Bloomfield, New Mexico
Tech: Mike Beauparlant

Project No.: AES 050204
Date: 6-18
Time:
Form: 3 of 5

Well I.D.	Time	Depth to NAPL (ft.)	Depth to Water (ft.)	NAPL Thickness (ft.)	Notes / Observations
6-18 MPE-1	15:54		24.01'		
MPE-2	15:55	21.90	21.98		
MPE-3	15:57		21.20'		
MPE-4	15:58		20.39'		
MPE-5	16:00	19.72	19.79		
MPE-6	16:02		20.07		
MPE-7	16:04		20.86'		
MPE-8	16:06		22.15		
MPE-9	16:10		23.87'		
MPE-10	16:11		23.67		
MPE-11	16:12		22.25'		
MPE-12	16:13		22.75'		
MPE-13	16:15		23.10'		
MPE-14	16:16		22.20'		
MPE-16	16:18		20.33'		
MPE-17	16:20		20.51		
MPE-18	16:21		19.65'		
MPE-19	16:24		19.36'		
MPE-20	16:25		19.11'		
MPE-21	16:30	20.22	20.81'		
6-29 MPE-22	11:00	21.13'	21.23		
MPE-23	11:02	21.16'	21.18'		
MPE-24	11:04	23.09'	23.10'		
MPE-25	11:06		23.48'		
MPE-26	11:08	23.20	23.78'		
MPE-27	11:10		22.33'		
MPE-28	11:12		22.02'		
MPE-29	11:16		20.85		
MPE-30	11:19		21.61		
MPE-31	11:20	20.88	22.89'		
MPE-33	11:21		22.74		
MPE-34	11:22		22.55		
MPE-35	11:24		21.13'		
MPE-36	11:26		20.29		

Wells measured with KECK water level or KECK interface tape, decontaminated between each well measurement.

DEPTH TO GROUNDWATER MEASUREMENT FORM

Animas Environmental Services
604 W Pinon St., Farmington NM 87401
Tel. (505) 564-2281 Fax (505) 324-2022

Project: Groundwater Monitoring
Site: Thriftway #810 Refinery
Location: Bloomfield, New Mexico
Tech: Mike Beauparlant

Project No.: AES 050204
Date: 6-29-15
Time:
Form: 4 of 5

Well I.D.	Time	Depth to NAPL (ft.)	Depth to Water (ft.)	NAPL Thickness (ft.)	Notes / Observations
MPE-37	11:28	~~20.54~~ ~~22.54'~~	~~2~~1.15		
MPE-38	11:29		20.16		
MPE-39	11:30	~~17.81~~	17.81		
MPE-40	11:31		18.01'		
MPE-41	11:32		18.69'		
MPE-42	11:33		19.42'		
MPE-43	11:35		20.25'		
MPE-44	11:36	20.09'	20.16'		
MPE-45	11:37	20.59'	20.71'		
MPE-46	11:38		21.66'		
MPE-47	11:39	21.10'	21.63'		
MPE-48	11:40		20.39'		
MPE-49	11:42		19.72'		
MPE-50	11:44	20.66'	21.31'		
MPE-51	11:45		21.16'		
MPE-52	11:46	20.92'	2~~1~~.06'		
MPE-53	11:48	19.67'	19.81'		
MPE-54	11:50		19.40'		
MPE-55	12:02		18.86		
MPE-56	12:04		14.29		
MPE-57	12:05		15.00		
MPE-58	12:06		15.24'		
MPE-59	12:07		13.92'		
MPE-60	12:10		14.21		
MPE-61	12:12	~~14.07~~	14.03		
MPE-62	12:13		14.36'		
MPE-63	12:15	15.06'	15.23'		
MPE-64	12:16	15.36'	15.44'		
MPE-65	12:17	16.12'	16.14'		
MPE-66	~~12:50~~	16.32	16.35'		
MPE-67	09:00	17.56	17.72'		
MPE-68	09:01		15.83'		
MPE-69	09:02		15.33'		
MPE-70	09:03		15.60		

Wells measured with KECK water level or KECK interface tape, decontaminated between each well measurement.

DEPTH TO GROUNDWATER MEASUREMENT FORM

Animas Environmental Services
604 W Pinon St., Farmington NM 87401
Tel. (505) 564-2281 Fax (505) 324-2022

Project: Groundwater Monitoring
Site: Thriftway #810 Refinery
Location: Bloomfield, New Mexico
Tech: Mike Beauparlant

Project No.: AES 050204
Date: 6-2-15
Time:
Form: 5 of 5

Well I.D.	Time	Depth to NAPL (ft.)	Depth to Water (ft.)	NAPL Thickness (ft.)	Notes / Observations
MPE-71	09:04		15.67'		
MPE-72	09:06		16.01'		
MPE-73	09:14	15.80'	16.51'		
MPE-74	09:16	14.73	15.31'		
MPE-75	09:19	13.85	14.39'		
MPE-76	09:21	12.81'	12.96'		
MPE-77	09:22	12.36'	12.45'		
MPE-78	09:23		11.41'		
MPE-79	09:25		11.27'		
MPE-80	14:20		8.84'		
MPE-81	14:21	10.59	10.80		
MPE-82	14:24		10.80		
MPE-83	14:25	12.17	12.57		
MPE-84	14:27	15.91'	16.19'		
MPE-85	14:29	15.76'	16.29'		
MPE-86	14:31		17.16'		
MPE-87	14:34	15.63'	15.94'		
MPE-88	14:35	13.59'	13.85'		
MPE-89	14:36	14.61'	14.69'		
MPE-90	14:37	14.68'	14.97'		

Wells measured with KECK water level or KECK interface tape, decontaminated between each well measurement.

MONITORING WELL SAMPLING RECORD

Monitor Well No: TW-7

Animas Environmental Services
604 W Pinon, Farmington NM 87401
Tel. (505) 564-2281 Fax (505) 324-2022

Site: Thriftway #810 Refinery
Location: Bloomfield, New Mexico
Project: Groundwater Monitoring and Sampling
Sampling Technician:
Purge / No Purge: Purge
Well Diameter (in): 2
Initial D.T.W. (ft): Time: *(taken at initial gauging of all wells)*
Confirm D.T.W. (ft): Time: *(taken prior to purging well)*
Final D.T.W. (ft): Time: *(taken after sample collection)*
If NAPL Present: D.T.P.: 22.45 D.T.W.: 23.01 Thickness: 0.56 Time:

Project No.: AES 050204
Date: 10-17-15
Arrival Time:
Air Temp:
T.O.C. Elev. (ft): 5461.17
Total Well Depth (ft): 28.08

Water Quality Parameters - Recorded During Well Purging

Time	Temp (deg C)	Conductivity (µS) (mS)	DO (mg/L)	pH	ORP (mV)	PURGED VOLUME (see reverse for calc.)	Notes/Observations
							NAPL - NS

Analytical Parameters (include analysis method and number and type of sample containers)

BTEX, MTBE and Total Naphthalene per EPA Method 8260 (3-40 mL Vials w/ HCl preserve)
GRO and DRO per EPA Method 8015 (1 - 250 mL Amber w/o preserve)
Sulfate/Chloride (300.0) and TDS (2540C) (1 - 500 mL plastic w/o preserve)

Disposal of Purged Water:
Collected Samples Stored on Ice in Cooler:
Chain of Custody Record Complete:
Analytical Laboratory: Hall Environmental Analysis Laboratory, Albuquerque, NM
Equipment Used During Sampling: Keck Water Level or Keck Interface Level, YSI Water Quality Meter and New Disposable Bailer

Notes/Comments:

MONITORING WELL SAMPLING RECORD

Monitor Well No: TW-8

Animas Environmental Services
604 W Pinon, Farmington NM 87401
Tel. (505) 564-2281 Fax (505) 324-2022

Site: Thriftway #810 Refinery
Location: Bloomfield, New Mexico
Project: Groundwater Monitoring and Sampling
Sampling Technician:
Purge / No Purge: Purge
Well Diameter (in): 2
Initial D.T.W. (ft): **Time:** *(taken at initial gauging of all wells)*
Confirm D.T.W. (ft): 20.03' **Time:** 11:24 - (6-17) *(taken prior to purging well)*
Final D.T.W. (ft): **Time:** *(taken after sample collection)*
If NAPL Present: **D.T.P.:** **D.T.W.:** **Thickness:** **Time:**

Project No.: AES 050204
Date: 6-19-15
Arrival Time:
Air Temp:
T.O.C. Elev. (ft): 5458.29
Total Well Depth (ft): 27.61

Water Quality Parameters - Recorded During Well Purging

Time	Temp (deg C)	Conductivity (µS) (mS)	DO (mg/L)	pH	ORP (mV)	PURGED VOLUME (see reverse for calc.)	Notes/Observations
10:05	15.81	2.763	0.15	8.23	55.0	3 WV's	

Analytical Parameters (include analysis method and number and type of sample containers)

BTEX, MTBE and Total Naphthalene per EPA Method 8260 (3-40 mL Vials w/ HCl preserve)
GRO and DRO per EPA Method 8015 (1 - 250 mL Amber w/o preserve)
RCRA 8 Metals per EPA Method 6010/7470 (500 mL w/ HNO3 preserve)
Dissolved Metals per EPA Method 6010 (125 mL w/ HNO3 preserve)
Bromide/Chloride/Fluoride/Sulfate per EPA Method 300.0, TDS per 2540C,
Hardness per 6010, Specific Cond. per 120.1 (1-500 mL plastic w/o preserve)

Disposal of Purged Water:
Collected Samples Stored on Ice in Cooler:
Chain of Custody Record Complete:
Analytical Laboratory: Hall Environmental Analysis Laboratory, Albuquerque, NM
Equipment Used During Sampling: Keck Water Level or Keck Interface Level, YSI Water Quality Meter and New Disposable Bailer

Notes/Comments:

revised: 08/10/09

MONITORING WELL SAMPLING RECORD	Animas Environmental Services
Monitor Well No: TW-13	604 W Pinon, Farmington NM 87401 Tel. (505) 564-2281 Fax (505) 324-2022

Site: Thriftway #810 Refinery
Location: Bloomfield, New Mexico
Project: Groundwater Monitoring and Sampling
Sampling Technician:
Purge / No Purge: Purge
Well Diameter (in): 2
Initial D.T.W. (ft): Time: *(taken at initial gauging of all wells)*
Confirm D.T.W. (ft): Time: *(taken prior to purging well)*
Final D.T.W. (ft): Time: *(taken after sample collection)*
If NAPL Present: D.T.P.: 20.96 D.T.W.: 21.52 Thickness: 0.56' Time:

Project No.: AES 050204
Date: 6-17-15
Arrival Time:
Air Temp:
T.O.C. Elev. (ft): 5458.17
Total Well Depth (ft):

Water Quality Parameters - Recorded During Well Purging

Time	Temp (deg C)	Conductivity (µS) (mS)	DO (mg/L)	pH	ORP (mV)	PURGED VOLUME (see reverse for calc.)	Notes/Observations
							MS- NAPL

Analytical Parameters (include analysis method and number and type of sample containers)

BTEX, MTBE and Total Naphthalene per EPA Method 8260 (3-40 mL Vials w/ HCl preserve)
GRO and DRO per EPA Method 8015 (1 - 250 mL Amber w/o preserve)

Disposal of Purged Water:
Collected Samples Stored on Ice in Cooler:
Chain of Custody Record Complete:
Analytical Laboratory: Hall Environmental Analysis Laboratory, Albuquerque, NM
Equipment Used During Sampling: Keck Water Level or Keck Interface Level, YSI Water Quality Meter and New Disposable Bailer

Notes/Comments:

revised: 08/10/09

MONITORING WELL SAMPLING RECORD

Monitor Well No: TW-14

Animas Environmental Services
604 W Pinon, Farmington NM 87401
Tel. (505) 564-2281 Fax (505) 324-2022

Site: Thriftway #810 Refinery
Location: Bloomfield, New Mexico
Project: Groundwater Monitoring and Sampling
Sampling Technician:
Purge / No Purge: Purge
Well Diameter (in): 2
Initial D.T.W. (ft): Time: *(taken at initial gauging of all wells)*
Confirm D.T.W. (ft): Time: *(taken prior to purging well)*
Final D.T.W. (ft): Time: *(taken after sample collection)*
If NAPL Present: D.T.P.: D.T.W.: Thickness: Time:

Project No.: AES 050204
Date:
Arrival Time:
Air Temp:
T.O.C. Elev. (ft): 5454.24
Total Well Depth (ft):

Water Quality Parameters - Recorded During Well Purging

Time	Temp (deg C)	Conductivity (µS) (mS)	DO (mg/L)	pH	ORP (mV)	PURGED VOLUME (see reverse for calc.)	Notes/Observations
							NS-NAPL

Analytical Parameters (include analysis method and number and type of sample containers)

BBTEX, MTBE and Total Naphthalene per EPA Method 8260 (3-40 mL Vials w/ HCl preserve)
GRO and DRO per EPA Method 8015 (1 - 250 mL Amber w/o preserve)

Disposal of Purged Water:
Collected Samples Stored on Ice in Cooler:
Chain of Custody Record Complete:
Analytical Laboratory: Hall Environmental Analysis Laboratory, Albuquerque, NM
Equipment Used During Sampling: Keck Water Level or Keck Interface Level, YSI Water Quality Meter and New Disposable Bailer

Notes/Comments:

revised: 08/10/09

MONITORING WELL SAMPLING RECORD

Monitor Well No: TW-18

Animas Environmental Services
604 W Pinon, Farmington NM 87401
Tel. (505) 564-2281 Fax (505) 324-2022

Site: Thriftway #810 Refinery
Location: Bloomfield, New Mexico
Project: Groundwater Monitoring and Sampling
Sampling Technician:
Purge / No Purge: Purge
Well Diameter (in): 2
Initial D.T.W. (ft): **Time:** *(taken at initial gauging of all wells)*
Confirm D.T.W. (ft): 16.12' **Time:** 12:38, 6-17 *(taken prior to purging well)*
Final D.T.W. (ft): **Time:** *(taken after sample collection)*
If NAPL Present: **D.T.P.:** **D.T.W.:** **Thickness:** **Time:**

Project No.: AES 050204
Date: 6-22-15
Arrival Time:
Air Temp:
T.O.C. Elev. (ft): 5452.73
Total Well Depth (ft):

Water Quality Parameters - Recorded During Well Purging

Time	Temp (deg C)	Conductivity (µS) (mS)	DO (mg/L)	pH	ORP (mV)	PURGED VOLUME (see reverse for calc.)	Notes/Observations
10:20	13.44°	4.382	0.31	8.55	-96.2	3 wv's	

Analytical Parameters (include analysis method and number and type of sample containers)

✓ BTEX, MTBE and Total Naphthalene per EPA Method 8260 (3-40 mL Vials w/ HCl preserve)
GRO and DRO per EPA Method 8015 (1 - 250 mL Amber w/o preserve)

Disposal of Purged Water:
Collected Samples Stored on Ice in Cooler:
Chain of Custody Record Complete:
Analytical Laboratory: Hall Environmental Analysis Laboratory, Albuquerque, NM
Equipment Used During Sampling: Keck Water Level or Keck Interface Level, YSI Water Quality Meter and New Disposable Bailer

Notes/Comments:

revised: 08/10/09

MONITORING WELL SAMPLING RECORD

Monitor Well No: TW-19

Animas Environmental Services
604 W Pinon, Farmington NM 87401
Tel. (505) 564-2281 Fax (505) 324-2022

Site: Thriftway #810 Refinery
Location: Bloomfield, New Mexico
Project: Groundwater Monitoring and Sampling
Sampling Technician:
Purge / No Purge: Purge
Well Diameter (in): 2
Initial D.T.W. (ft): **Time:** *(taken at initial gauging of all wells)*
Confirm D.T.W. (ft): 17.90' **Time:** 12:46 (6-17) *(taken prior to purging well)*
Final D.T.W. (ft): **Time:** *(taken after sample collection)*
If NAPL Present: **D.T.P.:** **D.T.W.:** **Thickness:** **Time:**

Project No.: AES 050204
Date: 6-22-15
Arrival Time:
Air Temp:
T.O.C. Elev. (ft): 5458.49
Total Well Depth (ft):

Water Quality Parameters - Recorded During Well Purging

Time	Temp (deg C)	Conductivity (µS) (mS)	DO (mg/L)	pH	ORP (mV)	PURGED VOLUME (see reverse for calc.)	Notes/Observations
10:40	16.03°	2.775	0.15	8.34	32.2	3 wv's	

Analytical Parameters (include analysis method and number and type of sample containers)

✓ BTEX, MTBE and Total Naphthalene per EPA Method 8260 (3-40 mL Vials w/ HCl preserve)
GRO and DRO per EPA Method 8015 (1 - 250 mL Amber w/o preserve)

Disposal of Purged Water:
Collected Samples Stored on Ice in Cooler:
Chain of Custody Record Complete:
Analytical Laboratory: Hall Environmental Analysis Laboratory, Albuquerque, NM
Equipment Used During Sampling: Keck Water Level or Keck Interface Level, YSI Water Quality Meter and New Disposable Bailer

Notes/Comments:

revised: 08/10/09

MONITORING WELL SAMPLING RECORD

Monitor Well No: TW-20

Animas Environmental Services
604 W Pinon, Farmington NM 87401
Tel. (505) 564-2281 Fax (505) 324-2022

Site: Thriftway #810 Refinery
Location: Bloomfield, New Mexico
Project: Groundwater Monitoring and Sampling
Sampling Technician:
Purge / No Purge: Purge
Well Diameter (in): 2
Initial D.T.W. (ft): Time: *(taken at initial gauging of all wells)*
Confirm D.T.W. (ft): Time: *(taken prior to purging well)*
Final D.T.W. (ft): Time: *(taken after sample collection)*
If NAPL Present: D.T.P.: 17.79 D.T.W.: 18.73' Thickness: 0.94' Time:

Project No.: AES 050204
Date: 6-17-15
Arrival Time:
Air Temp:
T.O.C. Elev. (ft): 5453.74
Total Well Depth (ft):

Water Quality Parameters - Recorded During Well Purging

Time	Temp (deg C)	Conductivity (µS) (mS)	DO (mg/L)	pH	ORP (mV)	PURGED VOLUME (see reverse for calc.)	Notes/Observations
							NS-NAPL

Analytical Parameters (include analysis method and number and type of sample containers)

BTEX, MTBE and Total Naphthalene per EPA Method 8260 (3-40 mL Vials w/ HCl preserve)
GRO and DRO per EPA Method 8015 (1 - 250 mL Amber w/o preserve)

Disposal of Purged Water:
Collected Samples Stored on Ice in Cooler:
Chain of Custody Record Complete:
Analytical Laboratory: Hall Environmental Analysis Laboratory, Albuquerque, NM
Equipment Used During Sampling: Keck Water Level or Keck Interface Level, YSI Water Quality Meter and New Disposable Bailer

Notes/Comments:

revised: 08/10/09

MONITORING WELL SAMPLING RECORD

Monitor Well No: TW-22

Animas Environmental Services
604 W Pinon, Farmington NM 87401
Tel. (505) 564-2281 Fax (505) 324-2022

Site: Thriftway #810 Refinery
Location: Bloomfield, New Mexico
Project: Groundwater Monitoring and Sampling
Sampling Technician:
Purge / No Purge: Purge
Well Diameter (in): 2
Initial D.T.W. (ft): Time:
Confirm D.T.W. (ft): 15.06' Time: 13:00 (6-17)
Final D.T.W. (ft): Time:
If NAPL Present: D.T.P.: D.T.W.: Thickness: Time:

Project No.: AES 050204
Date: 6-22-15
Arrival Time:
Air Temp:
T.O.C. Elev. (ft): 5450.19
Total Well Depth (ft):
(taken at initial gauging of all wells)
(taken prior to purging well)
(taken after sample collection)

Water Quality Parameters - Recorded During Well Purging

Time	Temp (deg C)	Conductivity (µS) (mS)	DO (mg/L)	pH	ORP (mV)	PURGED VOLUME (see reverse for calc.)	Notes/Observations
11:05	15.52°	2.902	0.14	8.24	79.4	3 wv's	

Analytical Parameters (include analysis method and number and type of sample containers)

✓ BTEX, MTBE and Total Naphthalene per EPA Method 8260 (3-40 mL Vials w/ HCl preserve)
GRO and DRO per EPA Method 8015 (1 - 250 mL Amber w/o preserve)

Disposal of Purged Water:
Collected Samples Stored on Ice in Cooler:
Chain of Custody Record Complete:
Analytical Laboratory: Hall Environmental Analysis Laboratory, Albuquerque, NM
Equipment Used During Sampling: Keck Water Level or Keck Interface Level, YSI Water Quality Meter and New Disposable Bailer

Notes/Comments:

revised: 08/10/09

MONITORING WELL SAMPLING RECORD

Monitor Well No: TW-23

Animas Environmental Services
604 W Pinon, Farmington NM 87401
Tel. (505) 564-2281 Fax (505) 324-2022

Site: Thriftway #810 Refinery
Location: Bloomfield, New Mexico
Project: Groundwater Monitoring and Sampling
Sampling Technician:
Purge / No Purge: Purge
Well Diameter (in): 2
Initial D.T.W. (ft): **Time:** *(taken at initial gauging of all wells)*
Confirm D.T.W. (ft): 8.90' **Time:** 12:35 (6-17) *(taken prior to purging well)*
Final D.T.W. (ft): **Time:** *(taken after sample collection)*
If NAPL Present: **D.T.P.:** **D.T.W.:** **Thickness:** **Time:**

Project No.: AES 050204
Date: 6-22-15
Arrival Time:
Air Temp:
T.O.C. Elev. (ft): 5443.64
Total Well Depth (ft): 15.48

Water Quality Parameters - Recorded During Well Purging

Time	Temp (deg C)	Conductivity (µS) (mS)	DO (mg/L)	pH	ORP (mV)	PURGED VOLUME (see reverse for calc.)	Notes/Observations
11:27	15.24°	3.736	0.14	8.27	48.3	3 wvs	

Analytical Parameters (include analysis method and number and type of sample containers)

BTEX, MTBE and Total Naphthalene per EPA Method 8260 (3-40 mL Vials w/ HCl preserve)
GRO and DRO per EPA Method 8015 (1 - 250 mL Amber w/o preserve)

Disposal of Purged Water:
Collected Samples Stored on Ice in Cooler:
Chain of Custody Record Complete:
Analytical Laboratory: Hall Environmental Analysis Laboratory, Albuquerque, NM
Equipment Used During Sampling: Keck Water Level or Keck Interface Level, YSI Water Quality Meter and New Disposable Bailer

Notes/Comments:

revised: 08/10/09

MONITORING WELL SAMPLING RECORD

Monitor Well No: TW-24

Animas Environmental Services
604 W Pinon, Farmington NM 87401
Tel. (505) 564-2281 Fax (505) 324-2022

Site: Thriftway #810 Refinery
Location: Bloomfield, New Mexico
Project: Groundwater Monitoring and Sampling
Sampling Technician:
Purge / No Purge: Purge
Well Diameter (in): 2
Initial D.T.W. (ft): Time:
Confirm D.T.W. (ft): 10.96 Time: 14:45 (6-17)
Final D.T.W. (ft): Time:
If NAPL Present: D.T.P.: D.T.W.: Thickness: Time:

Project No.: AES 050204
Date: 6-22-15
Arrival Time:
Air Temp:
T.O.C. Elev. (ft): 5444.79
Total Well Depth (ft): 17.45
(taken at initial gauging of all wells)
(taken prior to purging well)
(taken after sample collection)

Water Quality Parameters - Recorded During Well Purging

Time	Temp (deg C)	Conductivity (µS) (mS)	DO (mg/L)	pH	ORP (mV)	PURGED VOLUME (see reverse for calc.)	Notes/Observations
11:50	16.28°	4.319	0.16	8.24	51.0	3 wv's	

Analytical Parameters (include analysis method and number and type of sample containers)

BTEX, MTBE and Total Naphthalene per EPA Method 8260 (3-40 mL Vials w/ HCl preserve)
GRO and DRO per EPA Method 8015 (1 - 250 mL Amber w/o preserve)

Disposal of Purged Water:
Collected Samples Stored on Ice in Cooler:
Chain of Custody Record Complete:
Analytical Laboratory: Hall Environmental Analysis Laboratory, Albuquerque, NM
Equipment Used During Sampling: Keck Water Level or Keck Interface Level, YSI Water Quality Meter and New Disposable Bailer

Notes/Comments:

revised: 08/10/09

MONITORING WELL SAMPLING RECORD

Monitor Well No: TW-25

Animas Environmental Services
604 W Pinon, Farmington NM 87401
Tel. (505) 564-2281 Fax (505) 324-2022

Site: Thriftway #810 Refinery
Location: Bloomfield, New Mexico
Project: Groundwater Monitoring and Sampling
Sampling Technician:
Purge / No Purge: Purge
Well Diameter (in): 2
Initial D.T.W. (ft): Time:
Confirm D.T.W. (ft): 14.32' Time: 14:51 (6-17)
Final D.T.W. (ft): Time:
If NAPL Present: D.T.P.: D.T.W.: Thickness: Time:

Project No.: AES 050204
Date: 6-22-15
Arrival Time:
Air Temp:
T.O.C. Elev. (ft): 5448.8
Total Well Depth (ft):
(taken at initial gauging of all wells)
(taken prior to purging well)
(taken after sample collection)

Water Quality Parameters - Recorded During Well Purging

Time	Temp (deg C)	Conductivity (µS) (mS)	DO (mg/L)	pH	ORP (mV)	PURGED VOLUME (see reverse for calc.)	Notes/Observations
12:11	17.30°	2.83A	0.18	8.12	57.8	3 wvs	

Analytical Parameters (include analysis method and number and type of sample containers)

BTEX, MTBE and Total Naphthalene per EPA Method 8260 (3-40 mL Vials w/ HCl preserve)
GRO and DRO per EPA Method 8015 (1 - 250 mL Amber w/o preserve)

Disposal of Purged Water:
Collected Samples Stored on Ice in Cooler:
Chain of Custody Record Complete:
Analytical Laboratory: Hall Environmental Analysis Laboratory, Albuquerque, NM
Equipment Used During Sampling: Keck Water Level or Keck Interface Level, YSI Water Quality Meter and New Disposable Bailer

Notes/Comments:

revised: 08/10/09

MONITORING WELL SAMPLING RECORD

Monitor Well No: TW-26

Animas Environmental Services
604 W Pinon, Farmington NM 87401
Tel. (505) 564-2281 Fax (505) 324-2022

Site: Thriftway #810 Refinery
Location: Bloomfield, New Mexico
Project: Groundwater Monitoring and Sampling
Sampling Technician:
Purge / No Purge: Purge
Well Diameter (in): 2
Initial D.T.W. (ft): Time: *(taken at initial gauging of all wells)*
Confirm D.T.W. (ft): Time: *(taken prior to purging well)*
Final D.T.W. (ft): Time: *(taken after sample collection)*
If NAPL Present: D.T.P.: 16.05 D.T.W.: 16.24 Thickness: 0.19' Time:

Project No.: AES 050204
Date: 6-17-15
Arrival Time:
Air Temp:
T.O.C. Elev. (ft): 5450.34
Total Well Depth (ft):

Water Quality Parameters - Recorded During Well Purging

Time	Temp (deg C)	Conductivity (µS) (mS)	DO (mg/L)	pH	ORP (mV)	PURGED VOLUME (see reverse for calc.)	Notes/Observations
							NS-NAPL

Analytical Parameters (include analysis method and number and type of sample containers)

BTEX, MTBE and Total Naphthalene per EPA Method 8260 (3-40 mL Vials w/ HCl preserve)
GRO and DRO per EPA Method 8015 (1 - 250 mL Amber w/o preserve)

Disposal of Purged Water:
Collected Samples Stored on Ice in Cooler:
Chain of Custody Record Complete:
Analytical Laboratory: Hall Environmental Analysis Laboratory, Albuquerque, NM
Equipment Used During Sampling: Keck Water Level or Keck Interface Level, YSI Water Quality Meter and New Disposable Bailer

Notes/Comments:

revised: 08/10/09

MONITORING WELL SAMPLING RECORD

Monitor Well No: TW-28

Animas Environmental Services
604 W Pinon, Farmington NM 87401
Tel. (505) 564-2281 Fax (505) 324-2022

Site: Thriftway #810 Refinery
Location: Bloomfield, New Mexico
Project: Groundwater Monitoring and Sampling
Sampling Technician:
Purge / No Purge: Purge
Well Diameter (in): 2
Initial D.T.W. (ft): Time: *(taken at initial gauging of all wells)*
Confirm D.T.W. (ft): Time: *(taken prior to purging well)*
Final D.T.W. (ft): Time: *(taken after sample collection)*
If NAPL Present: D.T.P.: 15.33' D.T.W.: 16.00 Thickness: 0.67' Time:

Project No.: AES 050204
Date: 8-17-15
Arrival Time:
Air Temp:
T.O.C. Elev. (ft): 5449.24
Total Well Depth (ft):

Water Quality Parameters - Recorded During Well Purging

Time	Temp (deg C)	Conductivity (µS) (mS)	DO (mg/L)	pH	ORP (mV)	PURGED VOLUME (see reverse for calc.)	Notes/Observations
							NS / NAPL

Analytical Parameters (include analysis method and number and type of sample containers)

BTEX, MTBE and Total Naphthalene per EPA Method 8260 (3-40 mL Vials w/ HCl preserve)
GRO and DRO per EPA Method 8015 (1 - 250 mL Amber w/o preserve)

Disposal of Purged Water:
Collected Samples Stored on Ice in Cooler:
Chain of Custody Record Complete:
Analytical Laboratory: Hall Environmental Analysis Laboratory, Albuquerque, NM
Equipment Used During Sampling: Keck Water Level or Keck Interface Level, YSI Water Quality Meter and New Disposable Bailer

Notes/Comments:

revised: 08/10/09

MONITORING WELL SAMPLING RECORD

Monitor Well No: TW-29

Animas Environmental Services
604 W Pinon, Farmington NM 87401
Tel. (505) 564-2281 Fax (505) 324-2022

Site: Thriftway #810 Refinery
Location: Bloomfield, New Mexico
Project: Groundwater Monitoring and Sampling
Sampling Technician:
Purge / No Purge: Purge
Well Diameter (in): 2
Initial D.T.W. (ft): Time:
Confirm D.T.W. (ft): 15.10 Time: 9.19' *(taken prior to purging well)*
Final D.T.W. (ft): Time: *(taken after sample collection)*
If NAPL Present: D.T.P.: D.T.W.: Thickness: Time:

Project No.: AES 050204
Date: 6-22-15
Arrival Time:
Air Temp:
T.O.C. Elev. (ft): 5441.87
Total Well Depth (ft):
(taken at initial gauging of all wells)

Water Quality Parameters - Recorded During Well Purging

Time	Temp (deg C)	Conductivity (µS) (mS)	DO (mg/L)	pH	ORP (mV)	PURGED VOLUME (see reverse for calc.)	Notes/Observations
12:58	17.90°	2.748	0.38	8.12	2.3		

Analytical Parameters (include analysis method and number and type of sample containers)

BTEX, MTBE and Total Naphthalene per EPA Method 8260 (3-40 mL Vials w/ HCl preserve)
GRO and DRO per EPA Method 8015 (1 - 250 mL Amber w/o preserve)

Disposal of Purged Water:
Collected Samples Stored on Ice in Cooler:
Chain of Custody Record Complete:
Analytical Laboratory: Hall Environmental Analysis Laboratory, Albuquerque, NM
Equipment Used During Sampling: Keck Water Level or Keck Interface Level, YSI Water Quality Meter and New Disposable Bailer

Notes/Comments:

revised: 08/10/09

MONITORING WELL SAMPLING RECORD

Monitor Well No: TW-30

Animas Environmental Services
604 W Pinon, Farmington NM 87401
Tel. (505) 564-2281 Fax (505) 324-2022

Site: Thriftway #810 Refinery
Location: Bloomfield, New Mexico
Project: Groundwater Monitoring and Sampling
Sampling Technician:
Purge / No Purge: Purge
Well Diameter (in): 2
Initial D.T.W. (ft): Time: *(taken at initial gauging of all wells)*
Confirm D.T.W. (ft): 6.00' Time: 15:19 *(taken prior to purging well)*
Final D.T.W. (ft): Time: *(taken after sample collection)*
If NAPL Present: D.T.P.: D.T.W.: Thickness: Time:

Project No.: AES 050204
Date: 6-22-15
Arrival Time:
Air Temp:
T.O.C. Elev. (ft): 5437.93
Total Well Depth (ft): 17.14

Water Quality Parameters - Recorded During Well Purging

Time	Temp (deg C)	Conductivity (µS) (mS)	DO (mg/L)	pH	ORP (mV)	PURGED VOLUME (see reverse for calc.)	Notes/Observations
13:40	16.95°	5.112	0.38	8.20	42.0	3 wv's	

Analytical Parameters (include analysis method and number and type of sample containers)

✓ BTEX, MTBE and Total Naphthalene per EPA Method 8260 (3-40 mL Vials w/ HCl preserve)
GRO and DRO per EPA Method 8015 (1 - 250 mL Amber w/o preserve)
RCRA 8 Metals per EPA Method 6010/7470 (500 mL w/ HNO3 preserve)
Dissolved Metals per EPA Method 6010 (125 mL w/ HNO3l preserve)
Bromide/Chloride/Fluoride/Sulfate per EPA Method 300.0, TDS per 2540C, Hardness per 6010, Specific Cond. per 120.1 (1-500 mL plastic w/o preserve)

Disposal of Purged Water:
Collected Samples Stored on Ice in Cooler:
Chain of Custody Record Complete:
Analytical Laboratory: Hall Environmental Analysis Laboratory, Albuquerque, NM
Equipment Used During Sampling: Keck Water Level or Keck Interface Level, YSI Water Quality Meter and New Disposable Bailer

Notes/Comments:

revised: 08/10/09

MONITORING WELL SAMPLING RECORD

Monitor Well No: TW-31

Animas Environmental Services
604 W Pinon, Farmington NM 87401
Tel. (505) 564-2281 Fax (505) 324-2022

Site: Thriftway #810 Refinery
Location: Bloomfield, New Mexico
Project: Groundwater Monitoring and Sampling
Sampling Technician:
Purge / No Purge: Purge
Well Diameter (in): 2
Initial D.T.W. (ft): Time: *(taken at initial gauging of all wells)*
Confirm D.T.W. (ft): 7.02' Time: 15:21 (6-17) *(taken prior to purging well)*
Final D.T.W. (ft): Time: *(taken after sample collection)*
If NAPL Present: D.T.P.: D.T.W.: Thickness: Time:

Project No.: AES 050204
Date: 6-22-15
Arrival Time:
Air Temp:
T.O.C. Elev. (ft): 5438.54
Total Well Depth (ft): 12.96

Water Quality Parameters - Recorded During Well Purging

Time	Temp (deg C)	Conductivity (µS) (mS)	DO (mg/L)	pH	ORP (mV)	PURGED VOLUME (see reverse for calc.)	Notes/Observations
14:10	18.12	5.659	0.19	8.19	350	3 wv's	

Analytical Parameters (include analysis method and number and type of sample containers)

✓ BTEX, MTBE and Total Naphthalene per EPA Method 8260 (3-40 mL Vials w/ HCl preserve)
GRO and DRO per EPA Method 8015 (1 - 250 mL Amber w/o preserve)

Disposal of Purged Water:
Collected Samples Stored on Ice in Cooler:
Chain of Custody Record Complete:
Analytical Laboratory: Hall Environmental Analysis Laboratory, Albuquerque, NM
Equipment Used During Sampling: Keck Water Level or Keck Interface Level, YSI Water Quality Meter and New Disposable Bailer

Notes/Comments:

revised: 08/10/09

MONITORING WELL SAMPLING RECORD

Monitor Well No: TW-32

Animas Environmental Services
604 W Pinon, Farmington NM 87401
Tel. (505) 564-2281 Fax (505) 324-2022

Site: Thriftway #810 Refinery
Location: Bloomfield, New Mexico
Project: Groundwater Monitoring and Sampling
Sampling Technician:
Purge / No Purge: Purge
Well Diameter (in): 2
Initial D.T.W. (ft): Time: *(taken at initial gauging of all wells)*
Confirm D.T.W. (ft): Time: *(taken prior to purging well)*
Final D.T.W. (ft): Time: *(taken after sample collection)*
If NAPL Present: D.T.P.: 9.20' D.T.W.: 9.40' Thickness: 0.20' Time: 15:28

Project No.: AES 050204
Date: 6-17-15
Arrival Time:
Air Temp:
T.O.C. Elev. (ft): 5441.61
Total Well Depth (ft):

Water Quality Parameters - Recorded During Well Purging

Time	Temp (deg C)	Conductivity (µS) (mS)	DO (mg/L)	pH	ORP (mV)	PURGED VOLUME (see reverse for calc.)	Notes/Observations
							NS-NAPL

Analytical Parameters (include analysis method and number and type of sample containers)

BTEX, MTBE and Total Naphthalene per EPA Method 8260 (3-40 mL Vials w/ HCl preserve)
GRO and DRO per EPA Method 8015 (1 - 250 mL Amber w/o preserve)

Disposal of Purged Water:
Collected Samples Stored on Ice in Cooler:
Chain of Custody Record Complete:
Analytical Laboratory: Hall Environmental Analysis Laboratory, Albuquerque, NM
Equipment Used During Sampling: Keck Water Level or Keck Interface Level, YSI Water Quality Meter and New Disposable Bailer

Notes/Comments:

revised: 08/10/09

MONITORING WELL SAMPLING RECORD

Monitor Well No: TW-33

Animas Environmental Services
604 W Pinon, Farmington NM 87401
Tel. (505) 564-2281 Fax (505) 324-2022

Site: Thriftway #810 Refinery
Location: Bloomfield, New Mexico
Project: Groundwater Monitoring and Sampling
Sampling Technician:
Purge / No Purge: Purge
Well Diameter (in): 2
Initial D.T.W. (ft): Time: *(taken at initial gauging of all wells)*
Confirm D.T.W. (ft): Time: *(taken prior to purging well)*
Final D.T.W. (ft): Time: *(taken after sample collection)*
If NAPL Present: D.T.P.: 12.85' D.T.W.: 13.25' Thickness: 0.40' Time:

Project No.: AES 050204
Date: 6.17.15
Arrival Time:
Air Temp:
T.O.C. Elev. (ft): 5445.85
Total Well Depth (ft):

Water Quality Parameters - Recorded During Well Purging

Time	Temp (deg C)	Conductivity (µS) (mS)	DO (mg/L)	pH	ORP (mV)	PURGED VOLUME (see reverse for calc.)	Notes/Observations
							NS/NAPL

Analytical Parameters (include analysis method and number and type of sample containers)

BTEX, MTBE and Total Naphthalene per EPA Method 8260 (3-40 mL Vials w/ HCl preserve)
GRO and DRO per EPA Method 8015 (1 - 250 mL Amber w/o preserve)

Disposal of Purged Water:
Collected Samples Stored on Ice in Cooler:
Chain of Custody Record Complete:
Analytical Laboratory: Hall Environmental Analysis Laboratory, Albuquerque, NM
Equipment Used During Sampling: Keck Water Level or Keck Interface Level, YSI Water Quality Meter and New Disposable Bailer

Notes/Comments:

revised: 08/10/09

MONITORING WELL SAMPLING RECORD

Monitor Well No: TW-36

Animas Environmental Services
604 W Pinon, Farmington NM 87401
Tel. (505) 564-2281 Fax (505) 324-2022

Site: Thriftway #810 Refinery
Location: Bloomfield, New Mexico
Project: Groundwater Monitoring and Sampling
Sampling Technician:
Purge / No Purge: Purge
Well Diameter (in): 2
Initial D.T.W. (ft): Time:
Confirm D.T.W. (ft): 12.85' Time: 16:00 (6-17)
Final D.T.W. (ft): Time:
If NAPL Present: D.T.P.: D.T.W.: Thickness: Time:

Project No.: AES 050204
Date: 6-24-15
Arrival Time:
Air Temp:
T.O.C. Elev. (ft): 5441.91
Total Well Depth (ft): 20.35
(taken at initial gauging of all wells)
(taken prior to purging well)
(taken after sample collection)

Water Quality Parameters - Recorded During Well Purging

Time	Temp (deg C)	Conductivity (µS) (mS)	DO (mg/L)	pH	ORP (mV)	PURGED VOLUME (see reverse for calc.)	Notes/Observations
09:37	16.57°	4.185	0.50	8.03	9.3	3. wv's	

Analytical Parameters (include analysis method and number and type of sample containers)

BTEX, MTBE and Total Naphthalene per EPA Method 8260 (3-40 mL Vials w/ HCl preserve)
GRO and DRO per EPA Method 8015 (1 - 250 mL Amber w/o preserve)

Disposal of Purged Water:
Collected Samples Stored on Ice in Cooler:
Chain of Custody Record Complete:
Analytical Laboratory: Hall Environmental Analysis Laboratory, Albuquerque, NM
Equipment Used During Sampling: Keck Water Level or Keck Interface Level, YSI Water Quality Meter and New Disposable Bailer

Notes/Comments:

revised: 08/10/09

MONITORING WELL SAMPLING RECORD

Monitor Well No: TW-37

Animas Environmental Services

604 W Pinon, Farmington NM 87401
Tel. (505) 564-2281 Fax (505) 324-2022

Site: Thriftway #810 Refinery
Location: Bloomfield, New Mexico
Project: Groundwater Monitoring and Sampling
Sampling Technician:
Purge / No Purge: Purge
Well Diameter (in): 2
Initial D.T.W. (ft): Time: *(taken at initial gauging of all wells)*
Confirm D.T.W. (ft): 10:45' Time: 09:10 (6-18) *(taken prior to purging well)*
Final D.T.W. (ft): Time: *(taken after sample collection)*
If NAPL Present: D.T.P.: D.T.W.: Thickness: Time:

Project No.: AES 050204
Date: 6-24-15
Arrival Time:
Air Temp:
T.O.C. Elev. (ft): 5439.59
Total Well Depth (ft): 16.5

Water Quality Parameters - Recorded During Well Purging

Time	Temp (deg C)	Conductivity (µS) (mS)	DO (mg/L)	pH	ORP (mV)	PURGED VOLUME (see reverse for calc.)	Notes/Observations
10:05	15.96°	3.303	0.41	8.00	85.7	3 w's	

Analytical Parameters (include analysis method and number and type of sample containers)

BTEX, MTBE and Total Naphthalene per EPA Method 8260 (3-40 mL Vials w/ HCl preserve)
GRO and DRO per EPA Method 8015 (1 - 250 mL Amber w/o preserve)
Chloride/Sulfate per EPA Method 300.0 & TDS per EPA Method 2540C (1-500mL plastic w/ no preserve)

Disposal of Purged Water:
Collected Samples Stored on Ice in Cooler:
Chain of Custody Record Complete:
Analytical Laboratory: Hall Environmental Analysis Laboratory, Albuquerque, NM
Equipment Used During Sampling: Keck Water Level or Keck Interface Level, YSI Water Quality Meter and New Disposable Bailer

Notes/Comments:

revised: 08/10/09

MONITORING WELL SAMPLING RECORD

Monitor Well No: TW-38

Animas Environmental Services
604 W Pinon, Farmington NM 87401
Tel. (505) 564-2281 Fax (505) 324-2022

Site: Thriftway #810 Refinery
Location: Bloomfield, New Mexico
Project: Groundwater Monitoring and Sampling
Sampling Technician:
Purge / No Purge: Purge
Well Diameter (in): 2
Initial D.T.W. (ft): **Time:** *(taken at initial gauging of all wells)*
Confirm D.T.W. (ft): 11.41' **Time:** 09:18 (6.18) *(taken prior to purging well)*
Final D.T.W. (ft): **Time:** *(taken after sample collection)*
If NAPL Present: **D.T.P.:** **D.T.W.:** **Thickness:** **Time:**

Project No.: AES 050204
Date: 6-24-15
Arrival Time:
Air Temp:
T.O.C. Elev. (ft): 5442.11
Total Well Depth (ft): 15.5

Water Quality Parameters - Recorded During Well Purging

Time	Temp (deg C)	Conductivity (µS) (mS)	DO (mg/L)	pH	ORP (mV)	PURGED VOLUME (see reverse for calc.)	Notes/Observations
10:22	16.18°	3.409	0.38	8.02	30.5	3 wv's	

Analytical Parameters (include analysis method and number and type of sample containers)

BTEX, MTBE and Total Naphthalene per EPA Method 8260 (3-40 mL Vials w/ HCl preserve)
GRO and DRO per EPA Method 8015 (1 - 250 mL Amber w/o preserve)

Disposal of Purged Water:
Collected Samples Stored on Ice in Cooler:
Chain of Custody Record Complete:
Analytical Laboratory: Hall Environmental Analysis Laboratory, Albuquerque, NM
Equipment Used During Sampling: Keck Water Level or Keck Interface Level, YSI Water Quality Meter and New Disposable Bailer

Notes/Comments:

MONITORING WELL SAMPLING RECORD

Monitor Well No: TW-39

Animas Environmental Services
604 W Pinon, Farmington NM 87401
Tel. (505) 564-2281 Fax (505) 324-2022

Site: Thriftway #810 Refinery
Location: Bloomfield, New Mexico
Project: Groundwater Monitoring and Sampling
Sampling Technician:
Purge / No Purge: Purge
Well Diameter (in): 2
Initial D.T.W. (ft): **Time:** *(taken at initial gauging of all wells)*
Confirm D.T.W. (ft): 7.60' **Time:** 09:25 (6/18) *(taken prior to purging well)*
Final D.T.W. (ft): **Time:** *(taken after sample collection)*
If NAPL Present: **D.T.P.:** **D.T.W.:** **Thickness:** **Time:**

Project No.: AES 050204
Date: 6-24-15
Arrival Time:
Air Temp:
T.O.C. Elev. (ft): 5438.43
Total Well Depth (ft):

Water Quality Parameters - Recorded During Well Purging

Time	Temp (deg C)	Conductivity (µS) (mS)	DO (mg/L)	pH	ORP (mV)	PURGED VOLUME (see reverse for calc.)	Notes/Observations
10:39	16.97°	3.486	0.34	8.01	94.6	3 wv's	

Analytical Parameters (include analysis method and number and type of sample containers)

BTEX, MTBE and Total Naphthalene per EPA Method 8260 (3-40 mL Vials w/ HCl preserve)
GRO and DRO per EPA Method 8015 (1 - 250 mL Amber w/o preserve)

Disposal of Purged Water:
Collected Samples Stored on Ice in Cooler:
Chain of Custody Record Complete:
Analytical Laboratory: Hall Environmental Analysis Laboratory, Albuquerque, NM
Equipment Used During Sampling: Keck Water Level or Keck Interface Level, YSI Water Quality Meter and New Disposable Bailer

Notes/Comments:

revised: 08/10/09

MONITORING WELL SAMPLING RECORD

Monitor Well No: TW-40

Animas Environmental Services
604 W Pinon, Farmington NM 87401
Tel. (505) 564-2281 Fax (505) 324-2022

Site: Thriftway #810 Refinery
Location: Bloomfield, New Mexico
Project: Groundwater Monitoring and Sampling
Sampling Technician:
Purge / No Purge: Purge
Well Diameter (in): 2
Initial D.T.W. (ft): Time: *(taken at initial gauging of all wells)*
Confirm D.T.W. (ft): Time: *(taken prior to purging well)*
Final D.T.W. (ft): Time: *(taken after sample collection)*
If NAPL Present: D.T.P.: 7.47' D.T.W.: 7.61' Thickness: 0.14' Time: 09:34

Project No.: AES 050204
Date: 6-18-15
Arrival Time:
Air Temp:
T.O.C. Elev. (ft): 5437.5
Total Well Depth (ft):

Water Quality Parameters - Recorded During Well Purging

Time	Temp (deg C)	Conductivity (µS) (mS)	DO (mg/L)	pH	ORP (mV)	PURGED VOLUME (see reverse for calc.)	Notes/Observations
							NS- Nap2

Analytical Parameters (include analysis method and number and type of sample containers)

BTEX, MTBE and Total Naphthalene per EPA Method 8260 (3-40 mL Vials w/ HCl preserve)
GRO and DRO per EPA Method 8015 (1 - 250 mL Amber w/o preserve)

Disposal of Purged Water:
Collected Samples Stored on Ice in Cooler:
Chain of Custody Record Complete:
Analytical Laboratory: Hall Environmental Analysis Laboratory, Albuquerque, NM
Equipment Used During Sampling: Keck Water Level or Keck Interface Level, YSI Water Quality Meter and New Disposable Bailer

Notes/Comments:

revised: 08/10/09

MONITORING WELL SAMPLING RECORD	Animas Environmental Services
Monitor Well No: TW-41	604 W Pinon, Farmington NM 87401 Tel. (505) 564-2281 Fax (505) 324-2022

Site: Thriftway #810 Refinery **Project No.:** AES 050204
Location: Bloomfield, New Mexico **Date:** 6-24-15
Project: Groundwater Monitoring and Sampling **Arrival Time:**
Sampling Technician: **Air Temp:**
Purge / No Purge: Purge **T.O.C. Elev. (ft):** 5434.77
Well Diameter (in): 2 **Total Well Depth (ft):**
Initial D.T.W. (ft): **Time:** *(taken at initial gauging of all wells)*
Confirm D.T.W. (ft): 7.60' 5&3' **Time:** 09:40 (6-18) *(taken prior to purging well)*
Final D.T.W. (ft): **Time:** *(taken after sample collection)*
If NAPL Present: **D.T.P.:** **D.T.W.:** **Thickness:** **Time:**

Water Quality Parameters - Recorded During Well Purging

Time	Temp (deg C)	Conductivity (µS) (mS)	DO (mg/L)	pH	ORP (mV)	PURGED VOLUME (see reverse for calc.)	Notes/Observations
11:05	18.83°	4.970	0.56	7.94	115.0		

Analytical Parameters (include analysis method and number and type of sample containers)

✓ BTEX, MTBE and Total Naphthalene per EPA Methods 8260 (3-40 mL Vials w/ HCl preserve)
GRO and DRO per EPA Method 8015 (1 - 250 mL Amber w/o preserve)
RCRA 8 Metals per EPA Method 6010/7470 (500 mL w/ HNO3 preserve)
Dissolved Metals per EPA Method 6010 (125 mL w/ HNO3l preserve)
Bromide/Chloride/Fluoride/Sulfate per EPA Method 300.0, TDS per 2540C, Hardness per 6010, Specific Cond. per 120.1 (1-500 mL plastic w/o preserve)

Disposal of Purged Water:
Collected Samples Stored on Ice in Cooler:
Chain of Custody Record Complete:
Analytical Laboratory: Hall Environmental Analysis Laboratory, Albuquerque, NM
Equipment Used During Sampling: Keck Water Level or Keck Interface Level, YSI Water Quality Meter and New Disposable Bailer

Notes/Comments:

~~revised: 08/10/09~~

MONITORING WELL SAMPLING RECORD

Monitor Well No: TW-42

Animas Environmental Services
604 W Pinon, Farmington NM 87401
Tel. (505) 564-2281 Fax (505) 324-2022

Site: Thriftway #810 Refinery
Location: Bloomfield, New Mexico
Project: Groundwater Monitoring and Sampling
Sampling Technician:
Purge / No Purge: Purge
Well Diameter (in): 2
Initial D.T.W. (ft): Time: *(taken at initial gauging of all wells)*
Confirm D.T.W. (ft): 5.80' Time: 09.55 (6.18) *(taken prior to purging well)*
Final D.T.W. (ft): Time: *(taken after sample collection)*
If NAPL Present: D.T.P.: D.T.W.: Thickness: Time:

Project No.: AES 050204
Date:
Arrival Time:
Air Temp:
T.O.C. Elev. (ft): 5433.76
Total Well Depth (ft): 11.82

Water Quality Parameters - Recorded During Well Purging

Time	Temp (deg C)	Conductivity (µS) (mS)	DO (mg/L)	pH	ORP (mV)	PURGED VOLUME (see reverse for calc.)	Notes/Observations
11:25	17.84°	4.741	0.37	7.96	101.9		

Analytical Parameters (include analysis method and number and type of sample containers)

BTEX, MTBE and Total Naphthalene per EPA Method 8260 (3-40 mL Vials w/ HCl preserve)
GRO and DRO per EPA Method 8015 (1 - 250 mL Amber w/o preserve)

Disposal of Purged Water:
Collected Samples Stored on Ice in Cooler:
Chain of Custody Record Complete:
Analytical Laboratory: Hall Environmental Analysis Laboratory, Albuquerque, NM
Equipment Used During Sampling: Keck Water Level or Keck Interface Level, YSI Water Quality Meter and New Disposable Bailer

Notes/Comments:

revised: 08/10/09

MONITORING WELL SAMPLING RECORD

Monitor Well No: TW-43

Animas Environmental Services
604 W Pinon, Farmington NM 87401
Tel. (505) 564-2281 Fax (505) 324-2022

Site: Thriftway #810 Refinery
Location: Bloomfield, New Mexico
Project: Groundwater Monitoring and Sampling
Sampling Technician:
Purge / No Purge: Purge
Well Diameter (in): 2
Initial D.T.W. (ft): Time:
Confirm D.T.W. (ft): Time:
Final D.T.W. (ft): Time:
If NAPL Present: D.T.P.: D.T.W.: Thickness: Time:

Project No.: AES 050204
Date: 6-24-15
Arrival Time:
Air Temp:
T.O.C. Elev. (ft): 5440.42
Total Well Depth (ft): 18.86
(taken at initial gauging of all wells)
(taken prior to purging well)
(taken after sample collection)

Water Quality Parameters - Recorded During Well Purging

Time	Temp (deg C)	Conductivity (µS) (mS)	DO (mg/L)	pH	ORP (mV)	PURGED VOLUME (see reverse for calc.)	Notes/Observations
11:45	16.72°	3.969	0.27	7.91	54.9	3 vol.	

Analytical Parameters (include analysis method and number and type of sample containers)

BTEX, MTBE and Total Naphthalene per EPA Method 8260 (3-40 mL Vials w/ HCl preserve)
GRO and DRO per EPA Method 8015 (1 - 250 mL Amber w/o preserve)

Disposal of Purged Water:
Collected Samples Stored on Ice in Cooler:
Chain of Custody Record Complete:
Analytical Laboratory: Hall Environmental Analysis Laboratory, Albuquerque, NM
Equipment Used During Sampling: Keck Water Level or Keck Interface Level, YSI Water Quality Meter and New Disposable Bailer

Notes/Comments:

revised: 08/10/09

MONITORING WELL SAMPLING RECORD

Monitor Well No: TW-44

Animas Environmental Services
604 W Pinon, Farmington NM 87401
Tel. (505) 564-2281 Fax (505) 324-2022

Site: Thriftway #810 Refinery
Location: Bloomfield, New Mexico
Project: Groundwater Monitoring and Sampling
Sampling Technician:
Purge / No Purge: Purge
Well Diameter (in): 2
Initial D.T.W. (ft): Time: *(taken at initial gauging of all wells)*
Confirm D.T.W. (ft): Time: *(taken prior to purging well)*
Final D.T.W. (ft): Time: *(taken after sample collection)*
If NAPL Present: D.T.P.: 14.77' D.T.W.: 15.70' Thickness: 0.93 Time: 10:04

Project No.: AES 050204
Date:
Arrival Time:
Air Temp:
T.O.C. Elev. (ft): 5444.08
Total Well Depth (ft): 20.45

Water Quality Parameters - Recorded During Well Purging

Time	Temp (deg C)	Conductivity (µS) (mS)	DO (mg/L)	pH	ORP (mV)	PURGED VOLUME (see reverse for calc.)	Notes/Observations
							NS-NAPL

Analytical Parameters (include analysis method and number and type of sample containers)

BTEX, MTBE and Total Naphthalene per EPA Method 8260 (3-40 mL Vials w/ HCl preserve)
GRO and DRO per EPA Method 8015 (1 - 250 mL Amber w/o preserve)

Disposal of Purged Water:
Collected Samples Stored on Ice in Cooler:
Chain of Custody Record Complete:
Analytical Laboratory: Hall Environmental Analysis Laboratory, Albuquerque, NM
Equipment Used During Sampling: Keck Water Level or Keck Interface Level, YSI Water Quality Meter and New Disposable Bailer

Notes/Comments:

revised: 08/10/09

MONITORING WELL SAMPLING RECORD

Monitor Well No: TW-45

Animas Environmental Services
604 W Pinon, Farmington NM 87401
Tel. (505) 564-2281 Fax (505) 324-2022

Site: Thriftway #810 Refinery
Location: Bloomfield, New Mexico
Project: Groundwater Monitoring and Sampling
Sampling Technician:
Purge / No Purge: Purge
Well Diameter (in): 2
Initial D.T.W. (ft): Time:
Confirm D.T.W. (ft): 6.84' Time: 10:11 (6-18)
Final D.T.W. (ft): Time:
If NAPL Present: D.T.P.: D.T.W.: Thickness: Time:

Project No.: AES 050204
Date: 6-24-15
Arrival Time:
Air Temp:
T.O.C. Elev. (ft):
Total Well Depth (ft):
(taken at initial gauging of all wells)
(taken prior to purging well)
(taken after sample collection)

Water Quality Parameters - Recorded During Well Purging

Time	Temp (deg C)	Conductivity (µS) (mS)	DO (mg/L)	pH	ORP (mV)	PURGED VOLUME (see reverse for calc.)	Notes/Observations
12:10	16.32°	4.389	0.35	7.98	68.7	3 w/'s	

Analytical Parameters (include analysis method and number and type of sample containers)

BTEX, MTBE and Total Naphthalene per EPA Method 8260 (3-40 mL Vials w/ HCl preserve)
GRO and DRO per EPA Method 8015 (1 - 250 mL Amber w/o preserve)

Disposal of Purged Water:
Collected Samples Stored on Ice in Cooler:
Chain of Custody Record Complete:
Analytical Laboratory: Hall Environmental Analysis Laboratory, Albuquerque, NM
Equipment Used During Sampling: Keck Water Level or Keck Interface Level, YSI Water Quality Meter and New Disposable Bailer

Notes/Comments:

revised: 08/10/09

MONITORING WELL SAMPLING RECORD

Monitor Well No: TW-46

Animas Environmental Services
604 W Pinon, Farmington NM 87401
Tel. (505) 564-2281 Fax (505) 324-2022

Site: Thriftway #810 Refinery
Location: Bloomfield, New Mexico
Project: Groundwater Monitoring and Sampling
Sampling Technician:
Purge / No Purge: Purge
Well Diameter (in): 2
Initial D.T.W. (ft): **Time:** *(taken at initial gauging of all wells)*
Confirm D.T.W. (ft): 70.11' **Time:** 10:14 (6-18) *(taken prior to purging well)*
Final D.T.W. (ft): **Time:** *(taken after sample collection)*
If NAPL Present: **D.T.P.:** **D.T.W.:** **Thickness:** **Time:**

Project No.: AES 050204
Date: 6-24-15
Arrival Time:
Air Temp:
T.O.C. Elev. (ft):
Total Well Depth (ft):

Water Quality Parameters - Recorded During Well Purging

Time	Temp (deg C)	Conductivity (µS) (mS)	DO (mg/L)	pH	ORP (mV)	PURGED VOLUME (see reverse for calc.)	Notes/Observations
12:25	15.92°	5.394	0.28	8.03	73.0		

Analytical Parameters (include analysis method and number and type of sample containers)

BTEX, MTBE and Total Naphthalene per EPA Method 8260 (3-40 mL Vials w/ HCl preserve)
GRO and DRO per EPA Method 8015 (1 - 250 mL Amber w/o preserve)

Disposal of Purged Water:
Collected Samples Stored on Ice in Cooler:
Chain of Custody Record Complete:
Analytical Laboratory: Hall Environmental Analysis Laboratory, Albuquerque, NM
Equipment Used During Sampling: Keck Water Level or Keck Interface Level, YSI Water Quality Meter and New Disposable Bailer

Notes/Comments:

revised: 08/10/09

MONITORING WELL SAMPLING RECORD

Monitor Well No: TW-47

Animas Environmental Services
604 W Pinon, Farmington NM 87401
Tel. (505) 564-2281 Fax (505) 324-2022

Site: Thriftway #810 Refinery
Location: Bloomfield, New Mexico
Project: Groundwater Monitoring and Sampling
Sampling Technician:
Purge / No Purge: Purge
Well Diameter (in): 2
Initial D.T.W. (ft): **Time:** *(taken at initial gauging of all wells)*
Confirm D.T.W. (ft): 6.53' **Time:** 10:23 (6-18) *(taken prior to purging well)*
Final D.T.W. (ft): **Time:** *(taken after sample collection)*
If NAPL Present: **D.T.P.:** **D.T.W.:** **Thickness:** **Time:**

Project No.: AES 050204
Date: 6-24-15
Arrival Time:
Air Temp:
T.O.C. Elev. (ft):
Total Well Depth (ft):

Water Quality Parameters - Recorded During Well Purging

Time	Temp (deg C)	Conductivity (µS) (mS)	DO (mg/L)	pH	ORP (mV)	PURGED VOLUME (see reverse for calc.)	Notes/Observations
13:27	17.20°	9.562	0.37	8.01	68.4		

Analytical Parameters (include analysis method and number and type of sample containers)

BTEX, MTBE and Total Naphthalene per EPA Method 8260 (3-40 mL Vials w/ HCl preserve)
GRO and DRO per EPA Method 8015 (1 - 250 mL Amber w/o preserve)
Chloride/Sulfate per EPA Method 300.0 & TDS per EPA Method 2540C (1-500mL plastic w/ no preserve)

Disposal of Purged Water:
Collected Samples Stored on Ice in Cooler:
Chain of Custody Record Complete:
Analytical Laboratory: Hall Environmental Analysis Laboratory, Albuquerque, NM
Equipment Used During Sampling: Keck Water Level or Keck Interface Level, YSI Water Quality Meter and New Disposable Bailer

Notes/Comments:

revised: 08/10/09

MONITORING WELL SAMPLING RECORD

Monitor Well No: TW-48

Animas Environmental Services
604 W Pinon, Farmington NM 87401
Tel. (505) 564-2281 Fax (505) 324-2022

Site: Thriftway #810 Refinery
Location: Bloomfield, New Mexico
Project: Groundwater Monitoring and Sampling
Sampling Technician:
Purge / No Purge: Purge
Well Diameter (in): 2
Initial D.T.W. (ft): **Time:** *(taken at initial gauging of all wells)*
Confirm D.T.W. (ft): 7.19' **Time:** 11:00 (6-18) *(taken prior to purging well)*
Final D.T.W. (ft): **Time:** *(taken after sample collection)*
If NAPL Present: **D.T.P.:** **D.T.W.:** **Thickness:** **Time:**

Project No.: AES 050204
Date: 1-25-15
Arrival Time:
Air Temp:
T.O.C. Elev. (ft):
Total Well Depth (ft):

Water Quality Parameters - Recorded During Well Purging

Time	Temp (deg C)	Conductivity (µS) (mS)	DO (mg/L)	pH	ORP (mV)	PURGED VOLUME (see reverse for calc.)	Notes/Observations
12:00	17.99°	3.835	0.36	8.00	60.6		

Analytical Parameters (include analysis method and number and type of sample containers)

BTEX, MTBE and Total Naphthalene per EPA Method 8260 (3-40 mL Vials w/ HCl preserve)
GRO and DRO per EPA Method 8015 (1 - 250 mL Amber w/o preserve)

Disposal of Purged Water:
Collected Samples Stored on Ice in Cooler:
Chain of Custody Record Complete:
Analytical Laboratory: Hall Environmental Analysis Laboratory, Albuquerque, NM
Equipment Used During Sampling: Keck Water Level or Keck Interface Level, YSI Water Quality Meter and New Disposable Bailer

Notes/Comments:

revised: 08/10/09

MONITORING WELL SAMPLING RECORD

Monitor Well No: TW-49

Animas Environmental Services
604 W Pinon, Farmington NM 87401
Tel. (505) 564-2281 Fax (505) 324-2022

Site: Thriftway #810 Refinery
Location: Bloomfield, New Mexico
Project: Groundwater Monitoring and Sampling
Sampling Technician:
Purge / No Purge: Purge
Well Diameter (in): 2
Initial D.T.W. (ft): **Time:** *(taken at initial gauging of all wells)*
Confirm D.T.W. (ft): 5.84 **Time:** 10:35 | 6-18 *(taken prior to purging well)*
Final D.T.W. (ft): **Time:** *(taken after sample collection)*
If NAPL Present: **D.T.P.:** **D.T.W.:** **Thickness:** **Time:**

Project No.: AES 050204
Date: 6-24-15
Arrival Time:
Air Temp:
T.O.C. Elev. (ft):
Total Well Depth (ft):

Water Quality Parameters - Recorded During Well Purging

Time	Temp (deg C)	Conductivity (µS) (mS)	DO (mg/L)	pH	ORP (mV)	PURGED VOLUME (see reverse for calc.)	Notes/Observations
14:00	17.95°	6.628	0.26	7.95	78.0		

Analytical Parameters (include analysis method and number and type of sample containers)

BTEX, MTBE and Total Naphthalene per EPA Method 8260 (3-40 mL Vials w/ HCl preserve)
GRO and DRO per EPA Method 8015 (1 - 250 mL Amber w/o preserve)

Disposal of Purged Water:
Collected Samples Stored on Ice in Cooler:
Chain of Custody Record Complete:
Analytical Laboratory: Hall Environmental Analysis Laboratory, Albuquerque, NM
Equipment Used During Sampling: Keck Water Level or Keck Interface Level, YSI Water Quality Meter and New Disposable Bailer

Notes/Comments:

revised: 08/10/09

MONITORING WELL SAMPLING RECORD

Monitor Well No: TW-50

Animas Environmental Services

604 W Pinon, Farmington NM 87401
Tel. (505) 564-2281 Fax (505) 324-2022

Site: Thriftway #810 Refinery
Location: Bloomfield, New Mexico
Project: Groundwater Monitoring and Sampling
Sampling Technician:
Purge / No Purge: Purge
Well Diameter (in): 2
Initial D.T.W. (ft): Time: *(taken at initial gauging of all wells)*
Confirm D.T.W. (ft): Time: *(taken prior to purging well)*
Final D.T.W. (ft): Time: *(taken after sample collection)*
If NAPL Present: D.T.P.: 7.65' D.T.W.: 7.98' Thickness: 0.33' Time: 11:05

Project No.: AES 050204
Date:
Arrival Time:
Air Temp:
T.O.C. Elev. (ft):
Total Well Depth (ft):

Water Quality Parameters - Recorded During Well Purging

Time	Temp (deg C)	Conductivity (µS) (mS)	DO (mg/L)	pH	ORP (mV)	PURGED VOLUME (see reverse for calc.)	Notes/Observations
							NS / NAPL

Analytical Parameters (include analysis method and number and type of sample containers)

BTEX, MTBE and Total Naphthalene per EPA Method 8260 (3-40 mL Vials w/ HCl preserve)
GRO and DRO per EPA Method 8015 (1 - 250 mL Amber w/o preserve)

Disposal of Purged Water:
Collected Samples Stored on Ice in Cooler:
Chain of Custody Record Complete:
Analytical Laboratory: Hall Environmental Analysis Laboratory, Albuquerque, NM
Equipment Used During Sampling: Keck Water Level or Keck Interface Level, YSI Water Quality Meter and New Disposable Bailer

Notes/Comments:

MONITORING WELL SAMPLING RECORD

Monitor Well No: TW-51

Animas Environmental Services
604 W Pinon, Farmington NM 87401
Tel. (505) 564-2281 Fax (505) 324-2022

Site: Thriftway #810 Refinery
Location: Bloomfield, New Mexico
Project: Groundwater Monitoring and Sampling
Sampling Technician:
Purge / No Purge: Purge
Well Diameter (in): 2
Initial D.T.W. (ft): Time:
Confirm D.T.W. (ft): 6.73 Time: 10:43 (6-18)
Final D.T.W. (ft): Time:
If NAPL Present: D.T.P.: D.T.W.: Thickness: Time:

Project No.: AES 050204
Date: 6-24-15
Arrival Time:
Air Temp:
T.O.C. Elev. (ft):
Total Well Depth (ft):
(taken at initial gauging of all wells)
(taken prior to purging well)
(taken after sample collection)

Water Quality Parameters - Recorded During Well Purging

Time	Temp (deg C)	Conductivity (µS) (mS)	DO (mg/L)	pH	ORP (mV)	PURGED VOLUME (see reverse for calc.)	Notes/Observations
14:20	19.00°	5.772	0.24	7.92	78.0		

Analytical Parameters (include analysis method and number and type of sample containers)

BTEX, MTBE and Total Naphthalene per EPA Method 8260 (3-40 mL Vials w/ HCl preserve)
GRO and DRO per EPA Method 8015 (1 - 250 mL Amber w/o preserve)
Chloride/Sulfate per EPA Method 300.0 & TDS per EPA Method 2540C (1-500mL plastic w/ no preserve)

Disposal of Purged Water:
Collected Samples Stored on Ice in Cooler:
Chain of Custody Record Complete:
Analytical Laboratory: Hall Environmental Analysis Laboratory, Albuquerque, NM
Equipment Used During Sampling: Keck Water Level or Keck Interface Level, YSI Water Quality Meter and New Disposable Bailer

Notes/Comments:

revised: 08/10/09

MONITORING WELL SAMPLING RECORD

Monitor Well No: TW-52

Animas Environmental Services
604 W Pinon, Farmington NM 87401
Tel. (505) 564-2281 Fax (505) 324-2022

Site: Thriftway #810 Refinery
Location: Bloomfield, New Mexico
Project: Groundwater Monitoring and Sampling
Sampling Technician:
Purge / No Purge: Purge
Well Diameter (in): 2
Initial D.T.W. (ft): Time:
Confirm D.T.W. (ft): 7.09' Time: 10:46 (4-18)
Final D.T.W. (ft): Time:
If NAPL Present: D.T.P.: D.T.W.: Thickness: Time:

Project No.: AES 050204
Date: 6-24-15
Arrival Time:
Air Temp:
T.O.C. Elev. (ft):
Total Well Depth (ft):
(taken at initial gauging of all wells)
(taken prior to purging well)
(taken after sample collection)

Water Quality Parameters - Recorded During Well Purging

Time	Temp (deg C)	Conductivity (µS) (mS)	DO (mg/L)	pH	ORP (mV)	PURGED VOLUME (see reverse for calc.)	Notes/Observations
14:40	17.70	6.409	0.20	7.94	67.2		

Analytical Parameters (include analysis method and number and type of sample containers)

BTEX, MTBE and Total Naphthalene per EPA Method 8260 (3-40 mL Vials w/ HCl preserve)
GRO and DRO per EPA Method 8015 (1 - 250 mL Amber w/o preserve)
Chloride/Sulfate per EPA Method 300.0 & TDS per EPA Method 2540C (1-500mL plastic w/ no preserve)

Disposal of Purged Water:
Collected Samples Stored on Ice in Cooler:
Chain of Custody Record Complete:
Analytical Laboratory: Hall Environmental Analysis Laboratory, Albuquerque, NM
Equipment Used During Sampling: Keck Water Level or Keck Interface Level, YSI Water Quality Meter and New Disposable Bailer

Notes/Comments:

MONITORING WELL SAMPLING RECORD

Monitor Well No: TW-53

Animas Environmental Services
604 W Pinon, Farmington NM 87401
Tel. (505) 564-2281 Fax (505) 324-2022

Site: Thriftway #810 Refinery
Location: Bloomfield, New Mexico
Project: Groundwater Monitoring and Sampling
Sampling Technician:
Purge / No Purge: Purge
Well Diameter (in): 2
Initial D.T.W. (ft): Time: *(taken at initial gauging of all wells)*
Confirm D.T.W. (ft): 10.49' 6.90' Time: 10:49 *(taken prior to purging well)*
Final D.T.W. (ft): Time: *(taken after sample collection)*
If NAPL Present: D.T.P.: D.T.W.: Thickness: Time:

Project No.: AES 050204
Date: 6-25-15
Arrival Time:
Air Temp:
T.O.C. Elev. (ft):
Total Well Depth (ft):

Water Quality Parameters - Recorded During Well Purging

Time	Temp (deg C)	Conductivity (µS) (mS)	DO (mg/L)	pH	ORP (mV)	PURGED VOLUME (see reverse for calc.)	Notes/Observations
09:25	18.05°	6.899	0.62	7.96	97.2	3 wv's	

Analytical Parameters (include analysis method and number and type of sample containers)

✓ BTEX, MTBE and Total Naphthalene per EPA Method 8260 (3-40 mL Vials w/ HCl preserve)
GRO and DRO per EPA Method 8015 (1 - 250 mL Amber w/o preserve)
RCRA 8 Metals per EPA Method 6010/7470 (500 mL w/ HNO3 preserve)
Dissolved Metals per EPA Method 6010 (125 mL w/ HNO3l preserve)
Bromide/Chloride/Fluoride/Sulfate per EPA Method 300.0, TDS per 2540C,
Hardness per 6010, Specific Cond. per 120.1 (1-500 mL plastic w/o preserve)

Disposal of Purged Water:
Collected Samples Stored on Ice in Cooler:
Chain of Custody Record Complete:
Analytical Laboratory: Hall Environmental Analysis Laboratory, Albuquerque, NM
Equipment Used During Sampling: Keck Water Level or Keck Interface Level, YSI Water Quality Meter and New Disposable Bailer

Notes/Comments:

MONITORING WELL SAMPLING RECORD

Monitor Well No: TW-54

Animas Environmental Services
604 W Pinon, Farmington NM 87401
Tel. (505) 564-2281 Fax (505) 324-2022

Site: Thriftway #810 Refinery
Location: Bloomfield, New Mexico
Project: Groundwater Monitoring and Sampling
Sampling Technician:
Purge / No Purge: Purge
Well Diameter (in): 2
Initial D.T.W. (ft): Time:
Confirm D.T.W. (ft): 7.31' Time:
Final D.T.W. (ft): Time:
If NAPL Present: D.T.P.: D.T.W.: Thickness: Time:

Project No.: AES 050204
Date: 6-25-15
Arrival Time:
Air Temp:
T.O.C. Elev. (ft):
Total Well Depth (ft):
(taken at initial gauging of all wells)
(taken prior to purging well)
(taken after sample collection)

Water Quality Parameters - Recorded During Well Purging

Time	Temp (deg C)	Conductivity (µS) (mS)	DO (mg/L)	pH	ORP (mV)	PURGED VOLUME (see reverse for calc.)	Notes/Observations
09:55	17.20	4.831	0.48	7.97	75.0		

Analytical Parameters (include analysis method and number and type of sample containers)

BTEX, MTBE and Total Naphthalene per EPA Method 8260 (3-40 mL Vials w/ HCl preserve)
GRO and DRO per EPA Method 8015 (1 - 250 mL Amber w/o preserve)
RCRA 8 Metals per EPA Method 6010/7470 (500 mL w/ HNO3 preserve)
Dissolved Metals per EPA Method 6010 (125 mL w/ HNO3l preserve)
Bromide/Chloride/Fluoride/Sulfate per EPA Method 300.0, TDS per 2540C,
Hardness per 6010, Specific Cond. per 120.1 (1-500 mL plastic w/o preserve)

Disposal of Purged Water:
Collected Samples Stored on Ice in Cooler:
Chain of Custody Record Complete:
Analytical Laboratory: Hall Environmental Analysis Laboratory, Albuquerque, NM
Equipment Used During Sampling: Keck Water Level or Keck Interface Level, YSI Water Quality Meter and New Disposable Bailer

Notes/Comments:

MONITORING WELL SAMPLING RECORD

Monitor Well No: MW-5

Animas Environmental Services
604 W Pinon, Farmington NM 87401
Tel. (505) 564-2281 Fax (505) 324-2022

Site: Thriftway #810 Refinery
Location: Bloomfield, New Mexico
Project: Groundwater Monitoring and Sampling
Sampling Technician:
Purge / No Purge: Purge
Well Diameter (in):
Initial D.T.W. (ft): Time:
Confirm D.T.W. (ft): 4.831 Time: 09:55 (6-18) *(taken prior to purging well)*
Final D.T.W. (ft): Time: *(taken after sample collection)*
If NAPL Present: D.T.P.: D.T.W.: Thickness: Time:

Project No.: AES 050204
Date: 6-25-15
Arrival Time:
Air Temp:
T.O.C. Elev. (ft): 5428.97
Total Well Depth (ft): *(taken at initial gauging of all wells)*

Water Quality Parameters - Recorded During Well Purging

Time	Temp (deg C)	Conductivity (µS) (mS)	DO (mg/L)	pH	ORP (mV)	PURGED VOLUME (see reverse for calc.)	Notes/Observations
11:25	18.29°	5.082	0.49	8.11	93.1	3 wv's	

Analytical Parameters (include analysis method and number and type of sample containers)

BTEX, MTBE and Total Naphthalene per EPA Method 8260 (3-40 mL Vials w/ HCl preserve)
GRO and DRO per EPA Method 8015 (1 - 250 mL Amber w/o preserve)
RCRA 8 Metals per EPA Method 6010/7470 (500 mL w/ HNO3 preserve)
Dissolved Metals per EPA Method 6010 (125 mL w/ HNO3l preserve)
Bromide/Chloride/Fluoride/Sulfate per EPA Method 300.0, TDS per 2540C,
Hardness per 6010, Specific Cond. per 120.1 (1-500 mL plastic w/o preserve)

Disposal of Purged Water:
Collected Samples Stored on Ice in Cooler:
Chain of Custody Record Complete:
Analytical Laboratory: Hall Environmental Analysis Laboratory, Albuquerque, NM
Equipment Used During Sampling: Keck Water Level or Keck Interface Level, YSI Water Quality Meter and New Disposable Bailer

Notes/Comments:

revised: 08/10/09

MONITORING WELL SAMPLING RECORD	Animas Environmental Services
Monitor Well No: MW-7	604 W Pinon, Farmington NM 87401 Tel. (505) 564-2281 Fax (505) 324-2022

Site: Thriftway #810 Refinery
Location: Bloomfield, New Mexico
Project: Groundwater Monitoring and Sampling
Sampling Technician:
Purge / No Purge: Purge
Well Diameter (in):
Initial D.T.W. (ft): Time:
Confirm D.T.W. (ft): 8.19' Time: 11:10 (6-18)
Final D.T.W. (ft): Time:
If NAPL Present: D.T.P.: D.T.W.: Thickness: Time:

Project No.: AES 050204
Date: 6-25-15
Arrival Time:
Air Temp:
T.O.C. Elev. (ft): 5435.28
Total Well Depth (ft):
(taken at initial gauging of all wells)
(taken prior to purging well)
(taken after sample collection)

Water Quality Parameters - Recorded During Well Purging

Time	Temp (deg C)	Conductivity (µS) (mS)	DO (mg/L)	pH	ORP (mV)	PURGED VOLUME (see reverse for calc.)	Notes/Observations
11:46	17.97°	5.058	0.35	7.94	94.2		

Analytical Parameters (include analysis method and number and type of sample containers)

BTEX, MTBE and Total Naphthalene per EPA Method 8260 (3-40 mL Vials w/ HCl preserve)
GRO and DRO per EPA Method 8015 (1 - 250 mL Amber w/o preserve)

Disposal of Purged Water:
Collected Samples Stored on Ice in Cooler:
Chain of Custody Record Complete:
Analytical Laboratory: Hall Environmental Analysis Laboratory, Albuquerque, NM
Equipment Used During Sampling: Keck Water Level or Keck Interface Level, YSI Water Quality Meter and New Disposable Bailer

Notes/Comments:

revised: 08/10/09

MONITORING WELL SAMPLING RECORD

Monitor Well No: MW-20

Animas Environmental Services
604 W Pinon, Farmington NM 87401
Tel. (505) 564-2281 Fax (505) 324-2022

Site: Thriftway #810 Refinery
Location: Bloomfield, New Mexico
Project: Groundwater Monitoring and Sampling
Sampling Technician:
Purge / No Purge: Purge
Well Diameter (in):
Initial D.T.W. (ft): Time:
Confirm D.T.W. (ft): 5.76' Time: 10:17 (6-18)
Final D.T.W. (ft): Time:
If NAPL Present: D.T.P.: D.T.W.: Thickness: Time:

Project No.: AES 050204
Date: 6-24-15
Arrival Time:
Air Temp:
T.O.C. Elev. (ft): 5430.45
Total Well Depth (ft):
(taken at initial gauging of all wells)
(taken prior to purging well)
(taken after sample collection)

Water Quality Parameters - Recorded During Well Purging

Time	Temp (deg C)	Conductivity (µS) (mS)	DO (mg/L)	pH	ORP (mV)	PURGED VOLUME (see reverse for calc.)	Notes/Observations
13:07	16.13	5.337	0.20	7.98	80.6	3 w.v's	

Analytical Parameters (include analysis method and number and type of sample containers)

BTEX, MTBE and Total Naphthalene per EPA Method 8260 (3-40 mL Vials w/ HCl preserve)
GRO and DRO per EPA Method 8015 (1 - 250 mL Amber w/o preserve)
Chloride/Sulfate per EPA Method 300.0 & TDS per EPA Method 2540C (1-500mL plastic w/ no preserve)

Disposal of Purged Water:
Collected Samples Stored on Ice in Cooler:
Chain of Custody Record Complete:
Analytical Laboratory: Hall Environmental Analysis Laboratory, Albuquerque, NM
Equipment Used During Sampling: Keck Water Level or Keck Interface Level, YSI Water Quality Meter and New Disposable Bailer

Notes/Comments:

revised: 08/10/09

MONITORING WELL SAMPLING RECORD

Monitor Well No: MW-21

Animas Environmental Services
604 W Pinon, Farmington NM 87401
Tel. (505) 564-2281 Fax (505) 324-2022

Site: Thriftway #810 Refinery
Location: Bloomfield, New Mexico
Project: Groundwater Monitoring and Sampling
Sampling Technician:
Purge / No Purge: Purge
Well Diameter (in):
Initial D.T.W. (ft): Time:
Confirm D.T.W. (ft): 3.30 Time: 10:26 (6-18)
Final D.T.W. (ft): Time:
If NAPL Present: D.T.P.: D.T.W.: Thickness: Time:

Project No.: AES 050204
Date: 6-24-15
Arrival Time:
Air Temp:
T.O.C. Elev. (ft): 5428.62
Total Well Depth (ft):
(taken at initial gauging of all wells)
(taken prior to purging well)
(taken after sample collection)

Water Quality Parameters - Recorded During Well Purging

Time	Temp (deg C)	Conductivity (µS) (mS)	DO (mg/L)	pH	ORP (mV)	PURGED VOLUME (see reverse for calc.)	Notes/Observations
13:41	16.88	6.217	0.26	7.93	69.8	3 wv's	

Analytical Parameters (include analysis method and number and type of sample containers)

BTEX, MTBE and Total Naphthalene per EPA Method 8260 (3-40 mL Vials w/ HCl preserve)
GRO and DRO per EPA Method 8015 (1 - 250 mL Amber w/o preserve)
Chloride/Sulfate per EPA Method 300.0 & TDS per EPA Method 2540C (1-500mL plastic w/ no preserve)

Disposal of Purged Water:
Collected Samples Stored on Ice in Cooler:
Chain of Custody Record Complete:
Analytical Laboratory: Hall Environmental Analysis Laboratory, Albuquerque, NM
Equipment Used During Sampling: Keck Water Level or Keck Interface Level, YSI Water Quality Meter and New Disposable Bailer

Notes/Comments:

revised: 08/10/09

DEPTH TO GROUNDWATER MASUREMENT FORM

BioTech Remediation, Inc.
501 Airport Drive, Suite 104
Farmington, NM 87401
Phone (505) 327-4965

Site:	*Thriftway #810 Refinery*	**Date:**	2-16-16
Location:	*Bloomfield, NM*	**Time:**	2-17-16, 2-22-16
Tech:	M. Beauparlant	**Form:**	*1 of___*

Well I.D.	Depth to Water (ft.)	Depth to Product (ft.)	Well I.D.	Depth to Water (ft.)	Depth to Product (ft.)
TW-1	31.58		TW-37	10.70	
TW-2	29.78		TW-38	11.64	
TW-3	28.23		TW-39	7.78	
TW-4	19.87		TW-40	8.00	7.75
TW-5	26.31		TW-41	6.05	
TW-6	25.44		TW-42	6.46	
TW-7	23.76	22.70	TW-43	12.33	
TW-8	20.30		TW-44	15.31	15.19
TW-9	12.74		TW-45	7.05	
TW-10	12.87		TW-46	7.44	
TW-11	18.72		TW-47	6.98	
TW-12	23.20	23.00	TW-48	6.93	
TW-13	21.91	21.17	TW-49	5.85	
TW-14	18.03	17.58	TW-50	8.21	7.88
TW-15	13.54		TW-51	7.02	
TW-16	11.72		TW-52	7.45	
TW-17	10.69		TW-53	7.17	
TW-18	16.79		TW-54	7.63	
TW-19	18.30	18.09	MW-5	5.28	
TW-20	18.49	17.97	MW-7	8.53	
TW-21	17.15	16.84	MW-20	11.61	
TW-22	15.24		MW-21	3.89	
TW-23	9.07		MW-6	4.76	
TW-24	11.02		MW-4	5.35	
TW-25	14.69	14.46	RW-24	17.09	16.36
TW-26	16.79	16.18	RW-25	17.77	17.12
~~TW-27~~			MW-12	15.30	14.60
TW-28	16.14	15.13	MW-13	18.29	
TW-29	9.27		MW-19	3.96	
TW-30	5.86		MW-18	4.11	
TW-31	7.01		MW-17	6.09	
TW-32	10.31	9.36	MW-16	9.08	
TW-33	13.71	13.03	MW-25	DRY	
TW-34	20.27		MW-23	DRY	
TW-35	15.84	15.37	MW-27	DRY	
TW-36	13.19		MW-9	6.05	
			MW-10	5.58	

DEPTH TO GROUNDWATER MASUREMENT FORM

BioTech Remediation, Inc.
501 Airport Drive, Suite 104
Farmington, NM 87401
Phone (505) 327-4965

Site:	*Thriftway #810 Refinery*	**Date:**	2-18-16
Location:	*Bloomfield, NM*	**Time:**	
Tech:	~~M Beaupeslant~~ R. Kennemer	**Form:**	*1 of* ___

Well I.D.	Depth to Water (ft.)	Depth to Product (ft.)	Well I.D.	Depth to Water (ft.)	Depth to Product (ft.)
MPE-1	24.34		MPE-37	SKIP	
MPE-2	22.32	22.19	MPE-38	20.32'	
MPE-3	21.49		MPE-39	17.94'	
MPE-4	20.68		MPE-40	18.16'	
MPE-5	20.31	19.94	MPE-41	18.82'	
MPE-6	20.58	20.30	MPE-42	19.69'	19.55
MPE-7	21.24	21.12	MPE-43	20.47'	20.43
MPE-8	22.44		MPE-44	20.39'	20.26'
MPE-9	24.15		MPE-45	20.96'	20.73'
MPE-10	23.94		MPR-46	21.89'	21.81'
MPE-11	22.10		MPE-47	21.77	21.21
MPE-12	22.59		MPR-48	20.39'	
MPE-13	23.37		MPE-49	19.73'	
MPE-14	22.47		MPE-50	21.55'	20.74
MPE-15	SKIP		MPE-51	21.03'	21.01'
MPE-16	20.61'		MPE-52	21.31'	21.09'
MPE-17	20.82'	20.76'	MPE-53	20.09'	19.83'
MPE-18	19.90'		MPE-54	19.59'	19.55
MPE-19	19.61'		MPE-55	19.02'	19.00
MPE-20	19.35'		MPE-56	14.42'	
MPE-21	21.15'	20.41'	MPE-57	15.14'	
MPE-22	21.47'	21.31'	MPE-58	15.39'	
MPE-23	21.40'	21.38'	MPE-59	14.04'	
MPE-24	23.30'		MPE-60	14.34'	
MPE-25	23.65'		MPE-61	14.16'	
MPE-26	24.06'	23.35'	MPE-62	14.53	
MPE-27	22.35'		MPE-63	15.19'	
MPE-28	22.17'		MPE-64	15.88'	15.45
MPE-29	20.80'		MPE-65	16.66'	16.21'
MPE-30	21.30'		MPE-66	16.55'	16.45
MPE-31	22.65'		MPE-67	18.10'	17.64
MPE-32	23.00'	22.91'	MPE-68	15.85	15.83
MPE-33	22.94'	22.72	MPE-69	15.37'	
MPE-34	21.35'	21.31'	MPE-70	16.17	15.65
MPE-35	20.56'	20.44'	MPE-71	16.08	15.79
MPE-36	21.32'	20.70'	MPE-72	16.20	16.14'

DEPTH TO GROUNDWATER MASUREMENT FORM

BioTech Remediation, Inc.
501 Airport Drive, Suite 104
Farmington, NM 87401
Phone (505) 327-4965

Site:	*Thriftway #810 Refinery*	**Date:**	2-24-16
Location:	*Bloomfield, NM*	**Time:**	
Tech:	M. Beauparlant	**Form:**	*1 of___*

Well I.D.	Depth to Water (ft.)	Depth to Product (ft.)	Well I.D.	Depth to Water (ft.)	Depth to Product (ft.)
MPE-73	16.82'	15.87'			
MPE-74	15.44'	14.84'			
MPE-75	14.28'	14.02'			
MPE-76	13.06'	12.92'			
MPE-77	12.49'	12.42'			
MPE-78	11.49'				
MPE-79	11.22'				
MPE-80	8.77'				
MPE-81	10.73'	10.61'			
MPE-82	10.91'				
MPE-83	12.60'	12.28			
MPE-84	16.30	15.98			
MPE-85	16.42'	15.89			
MPE-86	17.28'				
MPE-87	16.16'	15.78'			
MPE-88	14.10'	13.68'			
MPE-89	15.14'	14.71'			
MPE-90	15.15'	14.79'			

GROUNDWATER SAMPLING FORM

BioTech Remediation, Inc.
501 Airport Drive, Suite 104
Farmington, NM 87401
Phone (505) 327-4965

Site:	Thriftway #810 Refinery	**Technician:**	M. Beauparlant / R. Kennemer
Location:	*Bloomfield, NM*	**Date:**	2-16-16
Monitor Well ID.:	TW-1	**Time:**	0815
Well Dia.:		**Air Temp.:**	
Purge / No Purge:		**Weather:**	
Total Well Depth:		**Other:**	
Initial D.T.W. (ft):	31.58	**Time:** 0820	*(taken at initial gauging of well)*
Confirm D.T.W. (ft):		**Time:**	*(taken prior to purging well)*
Final D.T.W. (ft):		**Time:**	*(taken after sample collection)*
NAPL Present:	**D.T.P. (ft):**		**D.T.W. (ft):**

Water Quality Parameters - Recorded During Well Purging

Time	Temp (deg C)	Conductivity (uS) (mS)	DO (mg/L)	pH	ORP (mV)	Purge Vol. (gallons) *see reverse*
0830	14.57	2.799		7.49	-30.4	1
0836	14.66	2.654		7.51	-31.8	1
0926	Samples	Collected				

Analytical Parameters (include analysis method and number and type of sampling containers)

8260 (VOA); VOA; 8015B GRO, DRO, MRO; 8270 PAH; 6010B Total and Dissolved Lead; 300 Sulfate and Chloride; RCRA 8 Metals; Cations and Anions; TDS

Disposal of Purged Water:	
Samples Stored on Ice in Cooler:	
C.O.C. Complete:	
Analytical Laboratory:	Hall Environmental Analysis Laboratory, Albuquerque, NM
Sampling Equipment:	Water level, water quality meter and new disposable bailer

Notes / Comments

Well screen has dense roots; difficult for bailer to penetrate

GROUNDWATER SAMPLING FORM

BioTech Remediation, Inc.
501 Airport Drive, Suite 104
Farmington, NM 87401
Phone (505) 327-4965

Site:	Thriftway #810 Refinery	**Technician:**	M. Beauparlant / R. Kennemer
Location:	*Bloomfield, NM*	**Date:**	2-16-16
Monitor Well ID.:	TW-2	**Time:**	0945
Well Dia.:		**Air Temp.:**	
Purge / No Purge:		**Weather:**	
Total Well Depth:		**Other:**	
Initial D.T.W. (ft):	29.78 **Time:** 0948	*(taken at initial gauging of well)*	
Confirm D.T.W. (ft):	**Time:**	*(taken prior to purging well)*	
Final D.T.W. (ft):	**Time:**	*(taken after sample collection)*	
NAPL Present:	**D.T.P. (ft):**	**D.T.W. (ft):**	

Water Quality Parameters - Recorded During Well Purging

Time	Temp (deg C)	Conductivity (uS) (mS)	DO (mg/L)	pH	ORP (mV)	Purge Vol. (gallons) *see reverse*
0958	15.70	4.346		7.58	-34.4	1
1002	15.79	4.370		7.35	-22.9	1
1006	15.72	4.341		7.39	-25.1	1
1011	15.73	4.327		7.41	-26.6	1
1015	Samples	Collected				

Analytical Parameters (include analysis method and number and type of sampling containers)

8260 (VOA); VOA; 8015B GRO, DRO, MRO; 8270 PAH; 6010B Total and Dissolved Lead; 300 Sulfate and Chloride; RCRA 8 Metals; Cations and Anions; TDS

Disposal of Purged Water:	
Samples Stored on Ice in Cooler:	
C.O.C. Complete:	
Analytical Laboratory:	Hall Environmental Analysis Laboratory, Albuquerque, NM
Sampling Equipment:	Water level, water quality meter and new disposable bailer

Notes / Comments

GROUNDWATER SAMPLING FORM

BioTech Remediation, Inc.
501 Airport Drive, Suite 104
Farmington, NM 87401
Phone (505) 327-4965

Site:	Thriftway #810 Refinery	**Technician:**	M. Beauparlant / R. Kennemer
Location:	*Bloomfield, NM*	**Date:**	2-26-16
Monitor Well ID.:	TW-3	**Time:**	0800
Well Dia.:		**Air Temp.:**	
Purge / No Purge:		**Weather:**	
Total Well Depth:		**Other:**	
Initial D.T.W. (ft):	28.23 Time: 0802	*(taken at initial gauging of well)*	
Confirm D.T.W. (ft):	Time:	*(taken prior to purging well)*	
Final D.T.W. (ft):	Time:	*(taken after sample collection)*	
NAPL Present:	**D.T.P. (ft):**	**D.T.W. (ft):**	

Water Quality Parameters - Recorded During Well Purging

Time	Temp (deg C)	Conductivity (uS) (mS)	DO (mg/L)	pH	ORP (mV)	Purge Vol. (gallons) *see reverse*
0808	15.62	5.741		7.59	-28.1	1
0815	15.77	6.327		7.44	-30.1	1
0820	15.76	6.013		7.39	-33.2	1
0826	15.79	5.915		7.41	-32.1	1
0830	Samples	Collected				

Analytical Parameters (include analysis method and number and type of sampling containers)

8260 (VOA); VOA; 8015B GRO, DRO, MRO; 8270 PAH; 6010B Total and Dissolved Lead; 300 Sulfate and Chloride; RCRA 8 Metals; Cations and Anions; TDS

Disposal of Purged Water:	
Samples Stored on Ice in Cooler:	
C.O.C. Complete:	
Analytical Laboratory:	Hall Environmental Analysis Laboratory, Albuquerque, NM
Sampling Equipment:	Water level, water quality meter and new disposable bailer

Notes / Comments

GROUNDWATER SAMPLING FORM

BioTech Remediation, Inc.
501 Airport Drive, Suite 104
Farmington, NM 87401
Phone (505) 327-4965

Site:	Thriftway #810 Refinery	**Technician:**	M. Beauparlant / R. Kennemer
Location:	*Bloomfield, NM*	**Date:**	2-16-16
Monitor Well ID.:	TW-4	**Time:**	1054
Well Dia.:		**Air Temp.:**	
Purge / No Purge:		**Weather:**	
Total Well Depth:		**Other:**	
Initial D.T.W. (ft):	19.87	**Time:** 1057	*(taken at initial gauging of well)*
Confirm D.T.W. (ft):		**Time:**	*(taken prior to purging well)*
Final D.T.W. (ft):		**Time:**	*(taken after sample collection)*
NAPL Present:	**D.T.P. (ft):**		**D.T.W. (ft):**

Water Quality Parameters - Recorded During Well Purging

Time	Temp (deg C)	Conductivity (uS) (mS)	DO (mg/L)	pH	ORP (mV)	Purge Vol. (gallons) *see reverse*
1102	15.06	6.071		7.45	-28.2	1
1107	14.88	5.912		7.43	-27.4	1
1111	14.91	6.097		7.49	-30.7	1
1116	14.93	6.123		7.48	-30.3	1
1120	Samples	Collected				

Analytical Parameters (include analysis method and number and type of sampling containers)

8260 (VOA); VOA; 8015B GRO, DRO, MRO; 8270 PAH; 6010B Total and Dissolved Lead; 300 Sulfate and Chloride; RCRA 8 Metals; Cations and Anions; TDS

Disposal of Purged Water:	
Samples Stored on Ice in Cooler:	
C.O.C. Complete:	
Analytical Laboratory:	Hall Environmental Analysis Laboratory, Albuquerque, NM
Sampling Equipment:	Water level, water quality meter and new disposable bailer

Notes / Comments

GROUNDWATER SAMPLING FORM

BioTech Remediation, Inc.
501 Airport Drive, Suite 104
Farmington, NM 87401
Phone (505) 327-4965

Site:	Thriftway #810 Refinery	**Technician:**	M. Beauparlant / R. Kennemer
Location:	*Bloomfield, NM*	**Date:**	2-16-16
Monitor Well ID.:	TW-5	**Time:**	1220
Well Dia.:		**Air Temp.:**	
Purge / No Purge:		**Weather:**	
Total Well Depth:		**Other:**	
Initial D.T.W. (ft):	26.31	**Time:** 1222	*(taken at initial gauging of well)*
Confirm D.T.W. (ft):		**Time:**	*(taken prior to purging well)*
Final D.T.W. (ft):		**Time:**	*(taken after sample collection)*
NAPL Present:	**D.T.P. (ft):**		**D.T.W. (ft):**

Water Quality Parameters - Recorded During Well Purging

Time	Temp (deg C)	Conductivity (uS) (mS)	DO (mg/L)	pH	ORP (mV)	Purge Vol. (gallons) *see reverse*
1228	15.96	3.188		7.50	-30.6	1
1232	16.05	3.204		7.38	-24.8	1
1237	16.16	3.232		7.39	-25.2	1
1241	16.07	3.260		7.41	-26.4	1
1245	Samples	Collected				

Analytical Parameters (include analysis method and number and type of sampling containers)

8260 (VOA); VOA; 8015B GRO, DRO, MRO; 8270 PAH; 6010B Total and Dissolved Lead; 300 Sulfate and Chloride; RCRA 8 Metals; Cations and Anions; TDS

Disposal of Purged Water:	
Samples Stored on Ice in Cooler:	
C.O.C. Complete:	
Analytical Laboratory:	Hall Environmental Analysis Laboratory, Albuquerque, NM
Sampling Equipment:	Water level, water quality meter and new disposable bailer

Notes / Comments

GROUNDWATER SAMPLING FORM

BioTech Remediation, Inc.
501 Airport Drive, Suite 104
Farmington, NM 87401
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Site:	Thriftway #810 Refinery	**Technician:**	M. Beauparlant / R. Kennemer
Location:	*Bloomfield, NM*	**Date:**	2-16-16
Monitor Well ID.:	TW-6	**Time:**	1256
Well Dia.:		**Air Temp.:**	
Purge / No Purge:		**Weather:**	
Total Well Depth:		**Other:**	
Initial D.T.W. (ft):	25.44	**Time:** 1300	*(taken at initial gauging of well)*
Confirm D.T.W. (ft):		**Time:**	*(taken prior to purging well)*
Final D.T.W. (ft):		**Time:**	*(taken after sample collection)*
NAPL Present:	**D.T.P. (ft):**		**D.T.W. (ft):**

Water Quality Parameters - Recorded During Well Purging

Time	Temp (deg C)	Conductivity (uS) (mS)	DO (mg/L)	pH	ORP (mV)	Purge Vol. (gallons) *see reverse*
1306	16.01	4.379		7.51	-31.2	1
1312	16.11	4.394		7.40	-26.0	1
1316	16.21	4.401		7.43	-27.8	1
1321	16.20	4.434		7.44	-30.4	1
1325	Samples	Collected				

Analytical Parameters (include analysis method and number and type of sampling containers)

8260 (VOA); VOA; 8015B GRO, DRO, MRO; 8270 PAH; 6010B Total and Dissolved Lead; 300 Sulfate and Chloride; RCRA 8 Metals; Cations and Anions; TDS

Disposal of Purged Water:	
Samples Stored on Ice in Cooler:	
C.O.C. Complete:	
Analytical Laboratory:	Hall Environmental Analysis Laboratory, Albuquerque, NM
Sampling Equipment:	Water level, water quality meter and new disposable bailer

Notes / Comments

GROUNDWATER SAMPLING FORM

BioTech Remediation, Inc.
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Farmington, NM 87401
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Site:	Thriftway #810 Refinery	**Technician:**	M. Beauparlant / R. Kennemer
Location:	*Bloomfield, NM*	**Date:**	2-16-16
Monitor Well ID.:	TW-8	**Time:**	1135
Well Dia.:		**Air Temp.:**	
Purge / No Purge:		**Weather:**	
Total Well Depth:		**Other:**	
Initial D.T.W. (ft):	20.30	**Time:** 1137	*(taken at initial gauging of well)*
Confirm D.T.W. (ft):		**Time:**	*(taken prior to purging well)*
Final D.T.W. (ft):		**Time:**	*(taken after sample collection)*
NAPL Present:	**D.T.P. (ft):**		**D.T.W. (ft):**

Water Quality Parameters - Recorded During Well Purging

Time	Temp (deg C)	Conductivity (uS) (mS)	DO (mg/L)	pH	ORP (mV)	Purge Vol. (gallons) *see reverse*
1146	14.25	4.193		7.00	-3.2	1
1150	14.26	4.156		6.96	-1.2	1
1155	14.27	4.154		7.00	-3.3	1
1159	14.29	4.318		7.15	-11.7	1
1205	Samples Collected					

Analytical Parameters (include analysis method and number and type of sampling containers)

8260 (VOA); VOA; 8015B GRO, DRO, MRO; 8270 PAH; 6010B Total and Dissolved Lead; 300 Sulfate and Chloride; RCRA 8 Metals; Cations and Anions; TDS

Disposal of Purged Water:	
Samples Stored on Ice in Cooler:	
C.O.C. Complete:	
Analytical Laboratory:	Hall Environmental Analysis Laboratory, Albuquerque, NM
Sampling Equipment:	Water level, water quality meter and new disposable bailer

Notes / Comments

GROUNDWATER SAMPLING FORM

BioTech Remediation, Inc.
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Phone (505) 327-4965

Site:	Thriftway #810 Refinery	**Technician:**	M. Beauparlant / R. Kennemer
Location:	*Bloomfield, NM*	**Date:**	2-16-16
Monitor Well ID.:	TW-9	**Time:**	1441
Well Dia.:		**Air Temp.:**	
Purge / No Purge:		**Weather:**	
Total Well Depth:		**Other:**	
Initial D.T.W. (ft):	12.74 **Time:** 1443	*(taken at initial gauging of well)*	
Confirm D.T.W. (ft):	**Time:**	*(taken prior to purging well)*	
Final D.T.W. (ft):	**Time:**	*(taken after sample collection)*	
NAPL Present:	**D.T.P. (ft):**	**D.T.W. (ft):**	

Water Quality Parameters - Recorded During Well Purging

Time	Temp (deg C)	Conductivity (uS) (mS)	DO (mg/L)	pH	ORP (mV)	Purge Vol. (gallons) *see reverse*
1449	13.26	2.191		7.73	-43.0	1
1453	13.21	2.121		7.60	-36.3	1
1458	13.16	2.158		7.58	-35.3	1
1502	13.12	2.154		7.59	-35.5	1
1505	Samples	Collected				

Analytical Parameters (include analysis method and number and type of sampling containers)

8260 (VOA); VOA; 8015B GRO, DRO, MRO; 8270 PAH; 6010B Total and Dissolved Lead; 300 Sulfate and Chloride; RCRA 8 Metals; Cations and Anions; TDS

Disposal of Purged Water:	
Samples Stored on Ice in Cooler:	
C.O.C. Complete:	
Analytical Laboratory:	Hall Environmental Analysis Laboratory, Albuquerque, NM
Sampling Equipment:	Water level, water quality meter and new disposable bailer

Notes / Comments

GROUNDWATER SAMPLING FORM

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Farmington, NM 87401
Phone (505) 327-4965

Site:	Thriftway #810 Refinery	**Technician:**	M. Beauparlant / R. Kennemer
Location:	*Bloomfield, NM*	**Date:**	2-16-16
Monitor Well ID.:	TW-10	**Time:**	1408
Well Dia.:		**Air Temp.:**	
Purge / No Purge:		**Weather:**	
Total Well Depth:		**Other:**	
Initial D.T.W. (ft):	12.87	**Time:** 1410	*(taken at initial gauging of well)*
Confirm D.T.W. (ft):		**Time:**	*(taken prior to purging well)*
Final D.T.W. (ft):		**Time:**	*(taken after sample collection)*
NAPL Present:	**D.T.P. (ft):**		**D.T.W. (ft):**

Water Quality Parameters - Recorded During Well Purging

Time	Temp (deg C)	Conductivity (uS) (mS)	DO (mg/L)	pH	ORP (mV)	Purge Vol. (gallons) *see reverse*
1414	12.81	2.611		7.36	-23.1	1
1421	12.70	2.601		7.33	-21.5	1
1425	12.68	2.600		7.32	-21.0	1
1429	12.74	2.598		7.35	-22.4	1
1432	Samples	Collected				

Analytical Parameters (include analysis method and number and type of sampling containers)

8260 (VOA); VOA; 8015B GRO, DRO, MRO; 8270 PAH; 6010B Total and Dissolved Lead; 300 Sulfate and Chloride; RCRA 8 Metals; Cations and Anions; TDS

Disposal of Purged Water:	
Samples Stored on Ice in Cooler:	
C.O.C. Complete:	
Analytical Laboratory:	Hall Environmental Analysis Laboratory, Albuquerque, NM
Sampling Equipment:	Water level, water quality meter and new disposable bailer

Notes / Comments

GROUNDWATER SAMPLING FORM

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Site:	Thriftway #810 Refinery	**Technician:**	M. Beauparlant / R. Kennemer
Location:	*Bloomfield, NM*	**Date:**	2-17-16
Monitor Well ID.:	TW-11	**Time:**	0825
Well Dia.:		**Air Temp.:**	
Purge / No Purge:		**Weather:**	
Total Well Depth:		**Other:**	
Initial D.T.W. (ft):	18.72 **Time:** 0830	*(taken at initial gauging of well)*	
Confirm D.T.W. (ft):	**Time:**	*(taken prior to purging well)*	
Final D.T.W. (ft):	**Time:**	*(taken after sample collection)*	
NAPL Present:	**D.T.P. (ft):**	**D.T.W. (ft):**	

Water Quality Parameters - Recorded During Well Purging

Time	Temp (deg C)	Conductivity (uS) (mS)	DO (mg/L)	pH	ORP (mV)	Purge Vol. (gallons) *see reverse*
0835	10.84	7.087		7.65	-38.8	1
0839	13.82	7.030		7.55	-34.1	1
0844	14.37	7.097		7.52	-32.4	1
0847	14.34	7.106		7.53	-30.2	1
0850	Samples	Collected				

Analytical Parameters (include analysis method and number and type of sampling containers)

8260 (VOA); VOA; 8015B GRO, DRO, MRO; 8270 PAH; 6010B Total and Dissolved Lead; 300 Sulfate and Chloride; RCRA 8 Metals; Cations and Anions; TDS

Disposal of Purged Water:	
Samples Stored on Ice in Cooler:	
C.O.C. Complete:	
Analytical Laboratory:	Hall Environmental Analysis Laboratory, Albuquerque, NM
Sampling Equipment:	Water level, water quality meter and new disposable bailer

Notes / Comments

GROUNDWATER SAMPLING FORM

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Farmington, NM 87401
Phone (505) 327-4965

Site:	Thriftway #810 Refinery	**Technician:**	M. Beauparlant / R. Kennemer
Location:	*Bloomfield, NM*	**Date:**	2-17-16
Monitor Well ID.:	TW-15	**Time:**	0955
Well Dia.:		**Air Temp.:**	
Purge / No Purge:		**Weather:**	
Total Well Depth:		**Other:**	
Initial D.T.W. (ft):	13.54	**Time:** 0957	*(taken at initial gauging of well)*
Confirm D.T.W. (ft):		**Time:**	*(taken prior to purging well)*
Final D.T.W. (ft):		**Time:**	*(taken after sample collection)*
NAPL Present:	**D.T.P. (ft):**		**D.T.W. (ft):**

Water Quality Parameters - Recorded During Well Purging

Time	Temp (deg C)	Conductivity (uS) (mS)	DO (mg/L)	pH	ORP (mV)	Purge Vol. (gallons) *see reverse*
1006	14.16	5.198		7.30	-20.1	1
1010	14.10	5.139		7.25	-17.5	1
1015	14.09	5.817		7.26	-17.7	1
1019	14.04	5.148		7.25	-18.0	1
1025	Samples	Collected				

Analytical Parameters (include analysis method and number and type of sampling containers)

8260 (VOA); VOA; 8015B GRO, DRO, MRO; 8270 PAH; 6010B Total and Dissolved Lead; 300 Sulfate and Chloride; RCRA 8 Metals; Cations and Anions; TDS

Disposal of Purged Water:	
Samples Stored on Ice in Cooler:	
C.O.C. Complete:	
Analytical Laboratory:	Hall Environmental Analysis Laboratory, Albuquerque, NM
Sampling Equipment:	Water level, water quality meter and new disposable bailer

Notes / Comments

GROUNDWATER SAMPLING FORM

BioTech Remediation, Inc.
501 Airport Drive, Suite 104
Farmington, NM 87401
Phone (505) 327-4965

Site:	Thriftway #810 Refinery	**Technician:**	M. Beauparlant / R. Kennemer
Location:	*Bloomfield, NM*	**Date:**	2-17-16
Monitor Well ID.:	TW-16	**Time:**	1203
Well Dia.:		**Air Temp.:**	
Purge / No Purge:		**Weather:**	
Total Well Depth:		**Other:**	
Initial D.T.W. (ft):	11.72 **Time:** 1205	*(taken at initial gauging of well)*	
Confirm D.T.W. (ft):	**Time:**	*(taken prior to purging well)*	
Final D.T.W. (ft):	**Time:**	*(taken after sample collection)*	
NAPL Present:	**D.T.P. (ft):**	**D.T.W. (ft):**	

Water Quality Parameters - Recorded During Well Purging

Time	Temp (deg C)	Conductivity (uS) (mS)	DO (mg/L)	pH	ORP (mV)	Purge Vol. (gallons) *see reverse*
1212	12.37	3.560		7.54	-32.4	1
1217	12.39	3.591		7.44	-27.6	1
1221	12.48	3.586		7.43	-27.4	1
1225	12.53	3.590		7.46	-27.7	1
1230	Samples	Collected				

Analytical Parameters (include analysis method and number and type of sampling containers)

8260 (VOA); VOA; 8015B GRO, DRO, MRO; 8270 PAH; 6010B Total and Dissolved Lead; 300 Sulfate and Chloride; RCRA 8 Metals; Cations and Anions; TDS

Disposal of Purged Water:	
Samples Stored on Ice in Cooler:	
C.O.C. Complete:	
Analytical Laboratory:	Hall Environmental Analysis Laboratory, Albuquerque, NM
Sampling Equipment:	Water level, water quality meter and new disposable bailer

Notes / Comments

GROUNDWATER SAMPLING FORM

BioTech Remediation, Inc.
501 Airport Drive, Suite 104
Farmington, NM 87401
Phone (505) 327-4965

Site:	Thriftway #810 Refinery	**Technician:**	M. Beauparlant / R. Kennemer
Location:	*Bloomfield, NM*	**Date:**	2-17-16
Monitor Well ID.:	TW-17	**Time:**	1121
Well Dia.:		**Air Temp.:**	
Purge / No Purge:		**Weather:**	
Total Well Depth:		**Other:**	
Initial D.T.W. (ft):	10.69 **Time:** 1124	*(taken at initial gauging of well)*	
Confirm D.T.W. (ft):	**Time:**	*(taken prior to purging well)*	
Final D.T.W. (ft):	**Time:**	*(taken after sample collection)*	
NAPL Present:	**D.T.P. (ft):**	**D.T.W. (ft):**	

Water Quality Parameters - Recorded During Well Purging

Time	Temp (deg C)	Conductivity (uS) (mS)	DO (mg/L)	pH	ORP (mV)	Purge Vol. (gallons) *see reverse*
1131	11.67	4.822		7.52	-32.4	1
1135	12.24	4.745		7.59	-36.3	1
1140	12.41	4.749		7.60	-36.5	1
1144	12.39	4.682		7.59	-36.2	1
1150	Samples	Collected				

Analytical Parameters (include analysis method and number and type of sampling containers)

8260 (VOA); VOA; 8015B GRO, DRO, MRO; 8270 PAH; 6010B Total and Dissolved Lead; 300 Sulfate and Chloride; RCRA 8 Metals; Cations and Anions; TDS

Disposal of Purged Water:	
Samples Stored on Ice in Cooler:	
C.O.C. Complete:	
Analytical Laboratory:	Hall Environmental Analysis Laboratory, Albuquerque, NM
Sampling Equipment:	Water level, water quality meter and new disposable bailer

Notes / Comments

GROUNDWATER SAMPLING FORM

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Site:	Thriftway #810 Refinery	**Technician:**	M. Beauparlant / R. Kennemer
Location:	*Bloomfield, NM*	**Date:**	2-17-16
Monitor Well ID.:	TW-18	**Time:**	0915
Well Dia.:		**Air Temp.:**	
Purge / No Purge:		**Weather:**	
Total Well Depth:		**Other:**	
Initial D.T.W. (ft):	16.79	**Time:** 0920	*(taken at initial gauging of well)*
Confirm D.T.W. (ft):		**Time:**	*(taken prior to purging well)*
Final D.T.W. (ft):		**Time:**	*(taken after sample collection)*
NAPL Present:	**D.T.P. (ft):**		**D.T.W. (ft):**

Water Quality Parameters - Recorded During Well Purging

Time	Temp (deg C)	Conductivity (uS) (mS)	DO (mg/L)	pH	ORP (mV)	Purge Vol. (gallons) *see reverse*
0928	15.53	7.252		7.38	-24.8	1
0934	16.07	7.314		7.37	-24.3	1
0938	16.00	7.336		7.35	-23.4	1
0942	16.20	7.294		7.38	-24.5	1
0945	Samples	Collected				

Analytical Parameters (include analysis method and number and type of sampling containers)

8260 (VOA); VOA; 8015B GRO, DRO, MRO; 8270 PAH; 6010B Total and Dissolved Lead; 300 Sulfate and Chloride; RCRA 8 Metals; Cations and Anions; TDS

Disposal of Purged Water:	
Samples Stored on Ice in Cooler:	
C.O.C. Complete:	
Analytical Laboratory:	Hall Environmental Analysis Laboratory, Albuquerque, NM
Sampling Equipment:	Water level, water quality meter and new disposable bailer

Notes / Comments

GROUNDWATER SAMPLING FORM

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Site:	Thriftway #810 Refinery	**Technician:**	M. Beauparlant / R. Kennemer
Location:	*Bloomfield, NM*	**Date:**	2-17-16
Monitor Well ID.:	TW-22	**Time:**	1335
Well Dia.:		**Air Temp.:**	
Purge / No Purge:		**Weather:**	
Total Well Depth:		**Other:**	
Initial D.T.W. (ft):	15.24 **Time:** 1337	*(taken at initial gauging of well)*	
Confirm D.T.W. (ft):	**Time:**	*(taken prior to purging well)*	
Final D.T.W. (ft):	**Time:**	*(taken after sample collection)*	
NAPL Present:	**D.T.P. (ft):**	**D.T.W. (ft):**	

Water Quality Parameters - Recorded During Well Purging

Time	Temp (deg C)	Conductivity (uS) (mS)	DO (mg/L)	pH	ORP (mV)	Purge Vol. (gallons) *see reverse*
1342	15.62	4.417		7.27	-18.7	1
1346	16.06	4.192		7.18	-13.6	1
1351	16.04	4.251		7.19	-14.2	1
1355	15.95	4.289		7.20	-14.7	1
1400	Samples	Collected				

Analytical Parameters (include analysis method and number and type of sampling containers)

8260 (VOA); VOA; 8015B GRO, DRO, MRO; 8270 PAH; 6010B Total and Dissolved Lead; 300 Sulfate and Chloride; RCRA 8 Metals; Cations and Anions; TDS

Disposal of Purged Water:	
Samples Stored on Ice in Cooler:	
C.O.C. Complete:	
Analytical Laboratory:	Hall Environmental Analysis Laboratory, Albuquerque, NM
Sampling Equipment:	Water level, water quality meter and new disposable bailer

Notes / Comments

GROUNDWATER SAMPLING FORM

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Site:	Thriftway #810 Refinery	**Technician:**	M. Beauparlant / R. Kennemer
Location:	*Bloomfield, NM*	**Date:**	2-17-16
Monitor Well ID.:	TW-23	**Time:**	1040
Well Dia.:		**Air Temp.:**	
Purge / No Purge:		**Weather:**	
Total Well Depth:		**Other:**	
Initial D.T.W. (ft):	9.07	**Time:** 1042	*(taken at initial gauging of well)*
Confirm D.T.W. (ft):		**Time:**	*(taken prior to purging well)*
Final D.T.W. (ft):		**Time:**	*(taken after sample collection)*
NAPL Present:	**D.T.P. (ft):**		**D.T.W. (ft):**

Water Quality Parameters - Recorded During Well Purging

Time	Temp (deg C)	Conductivity (uS) (mS)	DO (mg/L)	pH	ORP (mV)	Purge Vol. (gallons) *see reverse*
1053	10.79	5.740		7.28	-18.7	1
1057	10.58	5.692		7.28	-18.8	1
1102	10.60	5.596		7.32	-19.6	1
1106	10.53	5.703		7.30	-18.7	1
1110	Samples	Collected				

Analytical Parameters (include analysis method and number and type of sampling containers)

8260 (VOA); VOA; 8015B GRO, DRO, MRO; 8270 PAH; 6010B Total and Dissolved Lead; 300 Sulfate and Chloride; RCRA 8 Metals; Cations and Anions; TDS

Disposal of Purged Water:	
Samples Stored on Ice in Cooler:	
C.O.C. Complete:	
Analytical Laboratory:	Hall Environmental Analysis Laboratory, Albuquerque, NM
Sampling Equipment:	Water level, water quality meter and new disposable bailer

Notes / Comments

GROUNDWATER SAMPLING FORM

BioTech Remediation, Inc.
501 Airport Drive, Suite 104
Farmington, NM 87401
Phone (505) 327-4965

Site:	Thriftway #810 Refinery	**Technician:**	M. Beauparlant / R. Kennemer
Location:	*Bloomfield, NM*	**Date:**	2-17-16
Monitor Well ID.:	TW-24	**Time:**	1255
Well Dia.:		**Air Temp.:**	
Purge / No Purge:		**Weather:**	
Total Well Depth:		**Other:**	
Initial D.T.W. (ft):	11.02 **Time:** 1257	*(taken at initial gauging of well)*	
Confirm D.T.W. (ft):	**Time:**	*(taken prior to purging well)*	
Final D.T.W. (ft):	**Time:**	*(taken after sample collection)*	
NAPL Present:	**D.T.P. (ft):**	**D.T.W. (ft):**	

Water Quality Parameters - Recorded During Well Purging

Time	Temp (deg C)	Conductivity (uS) (mS)	DO (mg/L)	pH	ORP (mV)	Purge Vol. (gallons) *see reverse*
1304	14.16	5.980		7.37	-24.3	1
1308	14.07	6.099		7.35	-22.8	1
1313	14.10	6.109		7.34	-23.0	1
1317	14.21	6.110		7.36	-23.4	1
1320	Samples	Collected				

Analytical Parameters (include analysis method and number and type of sampling containers)

8260 (VOA); VOA; 8015B GRO, DRO, MRO; 8270 PAH; 6010B Total and Dissolved Lead; 300 Sulfate and Chloride; RCRA 8 Metals; Cations and Anions; TDS

Disposal of Purged Water:	
Samples Stored on Ice in Cooler:	
C.O.C. Complete:	
Analytical Laboratory:	Hall Environmental Analysis Laboratory, Albuquerque, NM
Sampling Equipment:	Water level, water quality meter and new disposable bailer

Notes / Comments

GROUNDWATER SAMPLING FORM

BioTech Remediation, Inc.
501 Airport Drive, Suite 104
Farmington, NM 87401
Phone (505) 327-4965

Site:	Thriftway #810 Refinery	**Technician:**	M. Beauparlant / R. Kennemer
Location:	*Bloomfield, NM*	**Date:**	2-19-16
Monitor Well ID.:	TW-29	**Time:**	0800
Well Dia.:		**Air Temp.:**	
Purge / No Purge:		**Weather:**	
Total Well Depth:		**Other:**	
Initial D.T.W. (ft):	9.27 **Time:** 0803	*(taken at initial gauging of well)*	
Confirm D.T.W. (ft):	**Time:**	*(taken prior to purging well)*	
Final D.T.W. (ft):	**Time:**	*(taken after sample collection)*	
NAPL Present:	**D.T.P. (ft):**	**D.T.W. (ft):**	

Water Quality Parameters - Recorded During Well Purging

Time	Temp (deg C)	Conductivity (uS) (mS)	DO (mg/L)	pH	ORP (mV)	Purge Vol. (gallons) *see reverse*
0808	12.31	3.270		7.43	-27.5	1
0815	13.54	3.423		7.37	-24.3	1
0819	13.57	3.483		7.36	-23.4	1
0824	13.59	3.485		7.35	-23.2	1
0830	Samples	Collected				

Analytical Parameters (include analysis method and number and type of sampling containers)

8260 (VOA); VOA; 8015B GRO, DRO, MRO; 8270 PAH; 6010B Total and Dissolved Lead; 300 Sulfate and Chloride; RCRA 8 Metals; Cations and Anions; TDS

Disposal of Purged Water:	
Samples Stored on Ice in Cooler:	
C.O.C. Complete:	
Analytical Laboratory:	Hall Environmental Analysis Laboratory, Albuquerque, NM
Sampling Equipment:	Water level, water quality meter and new disposable bailer

Notes / Comments

GROUNDWATER SAMPLING FORM

BioTech Remediation, Inc.
501 Airport Drive, Suite 104
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Phone (505) 327-4965

Site:	Thriftway #810 Refinery	**Technician:**	M. Beauparlant / R. Kennemer
Location:	*Bloomfield, NM*	**Date:**	2-19-16
Monitor Well ID.:	TW-30	**Time:**	0845
Well Dia.:		**Air Temp.:**	
Purge / No Purge:		**Weather:**	
Total Well Depth:		**Other:**	
Initial D.T.W. (ft):	5.86 **Time:** 0848	*(taken at initial gauging of well)*	
Confirm D.T.W. (ft):	**Time:**	*(taken prior to purging well)*	
Final D.T.W. (ft):	**Time:**	*(taken after sample collection)*	
NAPL Present:	**D.T.P. (ft):**	**D.T.W. (ft):**	

Water Quality Parameters - Recorded During Well Purging

Time	Temp (deg C)	Conductivity (uS) (mS)	DO (mg/L)	pH	ORP (mV)	Purge Vol. (gallons) *see reverse*
0852	9.31	5.649		7.31	-20.7	1
0857	9.45	5.635		7.21	-15.2	1
0902	9.37	5.673		7.20	-14.3	1
0906	9.33	5.465		7.19	-13.7	1
0910	Samples	Collected				

Analytical Parameters (include analysis method and number and type of sampling containers)

8260 (VOA); VOA; 8015B GRO, DRO, MRO; 8270 PAH; 6010B Total and Dissolved Lead; 300 Sulfate and Chloride; RCRA 8 Metals; Cations and Anions; TDS

Disposal of Purged Water:	
Samples Stored on Ice in Cooler:	
C.O.C. Complete:	
Analytical Laboratory:	Hall Environmental Analysis Laboratory, Albuquerque, NM
Sampling Equipment:	Water level, water quality meter and new disposable bailer

Notes / Comments

GROUNDWATER SAMPLING FORM

BioTech Remediation, Inc.
501 Airport Drive, Suite 104
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Phone (505) 327-4965

Site:	Thriftway #810 Refinery	**Technician:**	M. Beauparlant / R. Kennemer
Location:	*Bloomfield, NM*	**Date:**	2-19-16
Monitor Well ID.:	TW-31	**Time:**	~~0940~~ 1015
Well Dia.:		**Air Temp.:**	
Purge / No Purge:		**Weather:**	
Total Well Depth:		**Other:**	
Initial D.T.W. (ft):	7.01	**Time:** 1017	*(taken at initial gauging of well)*
Confirm D.T.W. (ft):		**Time:**	*(taken prior to purging well)*
Final D.T.W. (ft):		**Time:**	*(taken after sample collection)*
NAPL Present:	**D.T.P. (ft):**		**D.T.W. (ft):**

Water Quality Parameters - Recorded During Well Purging

Time	Temp (deg C)	Conductivity (uS) (mS)	DO (mg/L)	pH	ORP (mV)	Purge Vol. (gallons) *see reverse*
1022	9.91	5.197		7.33	-21.7	1
1027	9.87	5.255		7.35	-22.6	1
1031	9.96	5.623		7.34	-22.4	1
1035	10.04	5.426		7.33	-21.9	1
1040	Samples	Collected				

Analytical Parameters (include analysis method and number and type of sampling containers)

8260 (VOA); VOA; 8015B GRO, DRO, MRO; 8270 PAH; 6010B Total and Dissolved Lead; 300 Sulfate and Chloride; RCRA 8 Metals; Cations and Anions; TDS

Disposal of Purged Water:	
Samples Stored on Ice in Cooler:	
C.O.C. Complete:	
Analytical Laboratory:	Hall Environmental Analysis Laboratory, Albuquerque, NM
Sampling Equipment:	Water level, water quality meter and new disposable bailer

Notes / Comments

GROUNDWATER SAMPLING FORM

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Phone (505) 327-4965

Site:	Thriftway #810 Refinery	**Technician:**	M. Beauparlant / R. Kennemer
Location:	*Bloomfield, NM*	**Date:**	2-23-16
Monitor Well ID.:	TW-34	**Time:**	0805
Well Dia.:		**Air Temp.:**	
Purge / No Purge:		**Weather:**	
Total Well Depth:		**Other:**	
Initial D.T.W. (ft):	20.27 **Time:** 0807	*(taken at initial gauging of well)*	
Confirm D.T.W. (ft):	**Time:**	*(taken prior to purging well)*	
Final D.T.W. (ft):	**Time:**	*(taken after sample collection)*	
NAPL Present:	**D.T.P. (ft):**	**D.T.W. (ft):**	

Water Quality Parameters - Recorded During Well Purging

Time	Temp (deg C)	Conductivity (uS) (mS)	DO (mg/L)	pH	ORP (mV)	Purge Vol. (gallons) *see reverse*
0820	11.93	6.935		7.16	-12.1	1
0825	13.30	7.078		7.13	-10.7	1
0831	14.09	6.923		7.11	-16.0	1
0836	14.04	7.126		7.14	-12.9	1
0840	Samples	Collected				

Analytical Parameters (include analysis method and number and type of sampling containers)

8260 (VOA); VOA; 8015B GRO, DRO, MRO; 8270 PAH; 6010B Total and Dissolved Lead; 300 Sulfate and Chloride; RCRA 8 Metals; Cations and Anions; TDS

Disposal of Purged Water:	
Samples Stored on Ice in Cooler:	
C.O.C. Complete:	
Analytical Laboratory:	Hall Environmental Analysis Laboratory, Albuquerque, NM
Sampling Equipment:	Water level, water quality meter and new disposable bailer

Notes / Comments

GROUNDWATER SAMPLING FORM

BioTech Remediation, Inc.
501 Airport Drive, Suite 104
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Phone (505) 327-4965

Site:	Thriftway #810 Refinery	**Technician:**	M. Beauparlant / R. Kennemer
Location:	*Bloomfield, NM*	**Date:**	2-22-16
Monitor Well ID.:	TW-36	**Time:**	1316
Well Dia.:		**Air Temp.:**	
Purge / No Purge:		**Weather:**	
Total Well Depth:		**Other:**	
Initial D.T.W. (ft):	13.19 **Time:** 1318	*(taken at initial gauging of well)*	
Confirm D.T.W. (ft):	**Time:**	*(taken prior to purging well)*	
Final D.T.W. (ft):	**Time:**	*(taken after sample collection)*	
NAPL Present:	**D.T.P. (ft):**	**D.T.W. (ft):**	

Water Quality Parameters - Recorded During Well Purging

Time	Temp (deg C)	Conductivity (uS) (mS)	DO (mg/L)	pH	ORP (mV)	Purge Vol. (gallons) *see reverse*
1325	14.54	7.324		7.36	-23.6	1
1330	14.91	6.833		7.22	-15.7	1
1334	15.02	6.365		7.21	-15.1	1
1338	14.97	6.502		7.18	-13.7	1
1340	Samples	Collected				

Analytical Parameters (include analysis method and number and type of sampling containers)

8260 (VOA); VOA; 8015B GRO, DRO, MRO; 8270 PAH; 6010B Total and Dissolved Lead; 300 Sulfate and Chloride; RCRA 8 Metals; Cations and Anions; TDS

Disposal of Purged Water:	
Samples Stored on Ice in Cooler:	
C.O.C. Complete:	
Analytical Laboratory:	Hall Environmental Analysis Laboratory, Albuquerque, NM
Sampling Equipment:	Water level, water quality meter and new disposable bailer

Notes / Comments

GROUNDWATER SAMPLING FORM

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Site:	Thriftway #810 Refinery	**Technician:**	M. Beauparlant / R. Kennemer
Location:	*Bloomfield, NM*	**Date:**	2-25-16
Monitor Well ID.:	TW-37	**Time:**	1145
Well Dia.:		**Air Temp.:**	
Purge / No Purge:		**Weather:**	
Total Well Depth:		**Other:**	
Initial D.T.W. (ft):	10.70	**Time:** 1147	*(taken at initial gauging of well)*
Confirm D.T.W. (ft):		**Time:**	*(taken prior to purging well)*
Final D.T.W. (ft):		**Time:**	*(taken after sample collection)*
NAPL Present:	**D.T.P. (ft):**		**D.T.W. (ft):**

Water Quality Parameters - Recorded During Well Purging

Time	Temp (deg C)	Conductivity (uS) (mS)	DO (mg/L)	pH	ORP (mV)	Purge Vol. (gallons) *see reverse*
1150	13.33	4.515		7.35	-23.0	1
1155	12.89	4.276		7.30	-19.9	1
1159	12.78	4.223		7.29	-19.4	1
1205	12.70	4.271		7.28	-19.2	1
1210	Samples	Collected				

Analytical Parameters (include analysis method and number and type of sampling containers)

8260 (VOA); VOA; 8015B GRO, DRO, MRO; 8270 PAH; 6010B Total and Dissolved Lead; 300 Sulfate and Chloride; RCRA 8 Metals; Cations and Anions; TDS

Disposal of Purged Water:	
Samples Stored on Ice in Cooler:	
C.O.C. Complete:	
Analytical Laboratory:	Hall Environmental Analysis Laboratory, Albuquerque, NM
Sampling Equipment:	Water level, water quality meter and new disposable bailer

Notes / Comments

GROUNDWATER SAMPLING FORM

BioTech Remediation, Inc.
501 Airport Drive, Suite 104
Farmington, NM 87401
Phone (505) 327-4965

Site:	Thriftway #810 Refinery	**Technician:**	M. Beauparlant / R. Kennemer
Location:	*Bloomfield, NM*	**Date:**	2-25-16
Monitor Well ID.:	TW-38	**Time:**	1106
Well Dia.:		**Air Temp.:**	
Purge / No Purge:		**Weather:**	
Total Well Depth:		**Other:**	
Initial D.T.W. (ft):	11.64	**Time:** 1108	*(taken at initial gauging of well)*
Confirm D.T.W. (ft):		**Time:**	*(taken prior to purging well)*
Final D.T.W. (ft):		**Time:**	*(taken after sample collection)*
NAPL Present:	**D.T.P. (ft):**		**D.T.W. (ft):**

Water Quality Parameters - Recorded During Well Purging

Time	Temp (deg C)	Conductivity (uS) (mS)	DO (mg/L)	pH	ORP (mV)	Purge Vol. (gallons) *see reverse*
1115	13.56	4.520		7.32	-21.8	1
1120	13.58	4.473		7.35	-23.0	1
1124	13.63	4.550		7.58	-32.7	1
1130	13.74	4.485		7.49	-35.3	1
1135	Samples	Collected				

Analytical Parameters (include analysis method and number and type of sampling containers)

8260 (VOA); VOA; 8015B GRO, DRO, MRO; 8270 PAH; 6010B Total and Dissolved Lead; 300 Sulfate and Chloride; RCRA 8 Metals; Cations and Anions; TDS

Disposal of Purged Water:	
Samples Stored on Ice in Cooler:	
C.O.C. Complete:	
Analytical Laboratory:	Hall Environmental Analysis Laboratory, Albuquerque, NM
Sampling Equipment:	Water level, water quality meter and new disposable bailer

Notes / Comments

GROUNDWATER SAMPLING FORM

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501 Airport Drive, Suite 104
Farmington, NM 87401
Phone (505) 327-4965

Site:	Thriftway #810 Refinery	**Technician:**	M. Beauparlant / R. Kennemer
Location:	*Bloomfield, NM*	**Date:**	2-19-16
Monitor Well ID.:	TW-39	**Time:**	1103
Well Dia.:		**Air Temp.:**	
Purge / No Purge:		**Weather:**	
Total Well Depth:		**Other:**	
Initial D.T.W. (ft):	7.78	**Time:** 1105	*(taken at initial gauging of well)*
Confirm D.T.W. (ft):		**Time:**	*(taken prior to purging well)*
Final D.T.W. (ft):		**Time:**	*(taken after sample collection)*
NAPL Present:	**D.T.P. (ft):**		**D.T.W. (ft):**

Water Quality Parameters - Recorded During Well Purging

Time	Temp (deg C)	Conductivity (uS) (mS)	DO (mg/L)	pH	ORP (mV)	Purge Vol. (gallons) *see reverse*
1110	10.01	4.274		7.35	-23.1	1
1115	9.76	4.102		7.37	-24.0	1
1119	9.87	4.199		7.38	-23.7	1
1124	9.63	4.201		7.37	-24.3	1
1130	Samples	Collected				

Analytical Parameters (include analysis method and number and type of sampling containers)

8260 (VOA); VOA; 8015B GRO, DRO, MRO; 8270 PAH; 6010B Total and Dissolved Lead; 300 Sulfate and Chloride; RCRA 8 Metals; Cations and Anions; TDS

Disposal of Purged Water:	
Samples Stored on Ice in Cooler:	
C.O.C. Complete:	
Analytical Laboratory:	Hall Environmental Analysis Laboratory, Albuquerque, NM
Sampling Equipment:	Water level, water quality meter and new disposable bailer

Notes / Comments

GROUNDWATER SAMPLING FORM

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Farmington, NM 87401
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Site:	Thriftway #810 Refinery	**Technician:**	M. Beauparlant / R. Kennemer
Location:	*Bloomfield, NM*	**Date:**	2-22-16
Monitor Well ID.:	TW-41	**Time:**	0954
Well Dia.:		**Air Temp.:**	
Purge / No Purge:		**Weather:**	
Total Well Depth:		**Other:**	
Initial D.T.W. (ft):	6.05 **Time:** 0956	*(taken at initial gauging of well)*	
Confirm D.T.W. (ft):	**Time:**	*(taken prior to purging well)*	
Final D.T.W. (ft):	**Time:**	*(taken after sample collection)*	
NAPL Present:	**D.T.P. (ft):**	**D.T.W. (ft):**	

Water Quality Parameters - Recorded During Well Purging

Time	Temp (deg C)	Conductivity (uS) (mS)	DO (mg/L)	pH	ORP (mV)	Purge Vol. (gallons) *see reverse*
1002	7.95	6.296		7.02	-4.0	1
1006	7.78	6.145		6.95	-1.0	1
1010	7.90	5.970		6.97	-2.0	1
1015	7.89	5.896		6.99	-3.0	1
1020	Samples	Collected				

Analytical Parameters (include analysis method and number and type of sampling containers)

8260 (VOA); VOA; 8015B GRO, DRO, MRO; 8270 PAH; 6010B Total and Dissolved Lead; 300 Sulfate and Chloride; RCRA 8 Metals; Cations and Anions; TDS

Disposal of Purged Water:	
Samples Stored on Ice in Cooler:	
C.O.C. Complete:	
Analytical Laboratory:	Hall Environmental Analysis Laboratory, Albuquerque, NM
Sampling Equipment:	Water level, water quality meter and new disposable bailer

Notes / Comments

GROUNDWATER SAMPLING FORM

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Farmington, NM 87401
Phone (505) 327-4965

Site:	Thriftway #810 Refinery	**Technician:**	M. Beauparlant / R. Kennemer
Location:	*Bloomfield, NM*	**Date:**	2-22-16
Monitor Well ID.:	TW-42	**Time:**	1040
Well Dia.:		**Air Temp.:**	
Purge / No Purge:		**Weather:**	
Total Well Depth:		**Other:**	
Initial D.T.W. (ft):	6.46	**Time:** 1043	*(taken at initial gauging of well)*
Confirm D.T.W. (ft):		**Time:**	*(taken prior to purging well)*
Final D.T.W. (ft):		**Time:**	*(taken after sample collection)*
NAPL Present:	**D.T.P. (ft):**		**D.T.W. (ft):**

Water Quality Parameters - Recorded During Well Purging

Time	Temp (deg C)	Conductivity (uS) (mS)	DO (mg/L)	pH	ORP (mV)	Purge Vol. (gallons) *see reverse*
1048	8.30	5.947		7.28	-18.8	1
1053	8.33	5.881		7.27	-18.1	1
1057	8.24	5.887		7.27	-18.4	1
1100	8.54	5.909		7.39	-24.7	1
1105	Samples	Collected				

Analytical Parameters (include analysis method and number and type of sampling containers)

8260 (VOA); VOA; 8015B GRO, DRO, MRO; 8270 PAH; 6010B Total and Dissolved Lead; 300 Sulfate and Chloride; RCRA 8 Metals; Cations and Anions; TDS

Disposal of Purged Water:	
Samples Stored on Ice in Cooler:	
C.O.C. Complete:	
Analytical Laboratory:	Hall Environmental Analysis Laboratory, Albuquerque, NM
Sampling Equipment:	Water level, water quality meter and new disposable bailer

Notes / Comments

GROUNDWATER SAMPLING FORM

BioTech Remediation, Inc.
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Farmington, NM 87401
Phone (505) 327-4965

Site:	Thriftway #810 Refinery	**Technician:**	M. Beauparlant / R. Kennemer
Location:	*Bloomfield, NM*	**Date:**	2-22-16
Monitor Well ID.:	TW-43	**Time:**	1218
Well Dia.:		**Air Temp.:**	
Purge / No Purge:		**Weather:**	
Total Well Depth:		**Other:**	
Initial D.T.W. (ft):	12.33	**Time:** 1220	*(taken at initial gauging of well)*
Confirm D.T.W. (ft):		**Time:**	*(taken prior to purging well)*
Final D.T.W. (ft):		**Time:**	*(taken after sample collection)*
NAPL Present:	**D.T.P. (ft):**		**D.T.W. (ft):**

Water Quality Parameters - Recorded During Well Purging

Time	Temp (deg C)	Conductivity (uS) (mS)	DO (mg/L)	pH	ORP (mV)	Purge Vol. (gallons) *see reverse*
1225	12.83	5.271		7.11	-9.7	1
1230	13.29	5.341		7.15	-11.3	1
1234	13.18	5.173		7.10	-9.0	1
1238	13.14	5.159		7.12	-9.9	1
1240	Samples	Collected				

Analytical Parameters (include analysis method and number and type of sampling containers)

8260 (VOA); VOA; 8015B GRO, DRO, MRO; 8270 PAH; 6010B Total and Dissolved Lead; 300 Sulfate and Chloride; RCRA 8 Metals; Cations and Anions; TDS

Disposal of Purged Water:	
Samples Stored on Ice in Cooler:	
C.O.C. Complete:	
Analytical Laboratory:	Hall Environmental Analysis Laboratory, Albuquerque, NM
Sampling Equipment:	Water level, water quality meter and new disposable bailer

Notes / Comments

GROUNDWATER SAMPLING FORM

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Site:	Thriftway #810 Refinery	**Technician:**	M. Beauparlant / R. Kennemer
Location:	*Bloomfield, NM*	**Date:**	2-23-16
Monitor Well ID.:	TW-45	**Time:**	0900
Well Dia.:		**Air Temp.:**	
Purge / No Purge:		**Weather:**	
Total Well Depth:		**Other:**	
Initial D.T.W. (ft):	7.05 **Time:** 0902	*(taken at initial gauging of well)*	
Confirm D.T.W. (ft):	**Time:**	*(taken prior to purging well)*	
Final D.T.W. (ft):	**Time:**	*(taken after sample collection)*	
NAPL Present:	**D.T.P. (ft):**	**D.T.W. (ft):**	

Water Quality Parameters - Recorded During Well Purging

Time	Temp (deg C)	Conductivity (uS) (mS)	DO (mg/L)	pH	ORP (mV)	Purge Vol. (gallons) *see reverse*
0935	8.78	5.217		7.14	-10.9	1
0940	8.44	5.170		7.16	-12.0	1
0944	8.38	5.276		7.17	-13.5	1
0950	8.47	5.190		7.16	-12.2	1
0955	Samples	Collected				

Analytical Parameters (include analysis method and number and type of sampling containers)

8260 (VOA); VOA; 8015B GRO, DRO, MRO; 8270 PAH; 6010B Total and Dissolved Lead; 300 Sulfate and Chloride; RCRA 8 Metals; Cations and Anions; TDS

Disposal of Purged Water:	
Samples Stored on Ice in Cooler:	
C.O.C. Complete:	
Analytical Laboratory:	Hall Environmental Analysis Laboratory, Albuquerque, NM
Sampling Equipment:	Water level, water quality meter and new disposable bailer

Notes / Comments

GROUNDWATER SAMPLING FORM

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Site:	Thriftway #810 Refinery	**Technician:**	M. Beauparlant / R. Kennemer
Location:	*Bloomfield, NM*	**Date:**	2-23-16
Monitor Well ID.:	TW-46	**Time:**	1040
Well Dia.:		**Air Temp.:**	
Purge / No Purge:		**Weather:**	
Total Well Depth:		**Other:**	
Initial D.T.W. (ft):	7.44	**Time:** 1042	*(taken at initial gauging of well)*
Confirm D.T.W. (ft):		**Time:**	*(taken prior to purging well)*
Final D.T.W. (ft):		**Time:**	*(taken after sample collection)*
NAPL Present:	**D.T.P. (ft):**		**D.T.W. (ft):**

Water Quality Parameters - Recorded During Well Purging

Time	Temp (deg C)	Conductivity (uS) (mS)	DO (mg/L)	pH	ORP (mV)	Purge Vol. (gallons) *see reverse*
1046	8.82	6.705		7.41	-26.0	1
1050	8.72	6.842		7.44	-25.7	1
1055	8.86	6.831		7.42	-24.5	1
1100	8.84	6.827		7.41	-25.1	1
1105	Samples	Collected				

Analytical Parameters (include analysis method and number and type of sampling containers)

8260 (VOA); VOA; 8015B GRO, DRO, MRO; 8270 PAH; 6010B Total and Dissolved Lead; 300 Sulfate and Chloride; RCRA 8 Metals; Cations and Anions; TDS

Disposal of Purged Water:	
Samples Stored on Ice in Cooler:	
C.O.C. Complete:	
Analytical Laboratory:	Hall Environmental Analysis Laboratory, Albuquerque, NM
Sampling Equipment:	Water level, water quality meter and new disposable bailer

Notes / Comments

GROUNDWATER SAMPLING FORM

BioTech Remediation, Inc.
501 Airport Drive, Suite 104
Farmington, NM 87401
Phone (505) 327-4965

Site:	Thriftway #810 Refinery	**Technician:**	M. Beauparlant / R. Kennemer
Location:	*Bloomfield, NM*	**Date:**	2-26-16
Monitor Well ID.:	TW-47	**Time:**	1255
Well Dia.:		**Air Temp.:**	
Purge / No Purge:		**Weather:**	
Total Well Depth:		**Other:**	
Initial D.T.W. (ft):	6.98	**Time:** 1257	*(taken at initial gauging of well)*
Confirm D.T.W. (ft):		**Time:**	*(taken prior to purging well)*
Final D.T.W. (ft):		**Time:**	*(taken after sample collection)*
NAPL Present:	**D.T.P. (ft):**		**D.T.W. (ft):**

Water Quality Parameters - Recorded During Well Purging

Time	Temp (deg C)	Conductivity (uS) (mS)	DO (mg/L)	pH	ORP (mV)	Purge Vol. (gallons) *see reverse*
1302	9.90	11.55		7.59	-35.3	1
1306	9.77	11.14		7.39	-25.1	1
1310	9.72	10.61		7.31	-20.4	1
1314	9.56	10.32		7.28	-18.7	1
1320	Samples	Collected				

Analytical Parameters (include analysis method and number and type of sampling containers)

8260 (VOA); VOA; 8015B GRO, DRO, MRO; 8270 PAH; 6010B Total and Dissolved Lead; 300 Sulfate and Chloride; RCRA 8 Metals; Cations and Anions; TDS

Disposal of Purged Water:	
Samples Stored on Ice in Cooler:	
C.O.C. Complete:	
Analytical Laboratory:	Hall Environmental Analysis Laboratory, Albuquerque, NM
Sampling Equipment:	Water level, water quality meter and new disposable bailer

Notes / Comments

GROUNDWATER SAMPLING FORM

BioTech Remediation, Inc.
501 Airport Drive, Suite 104
Farmington, NM 87401
Phone (505) 327-4965

Site:	Thriftway #810 Refinery	**Technician:**	M. Beauparlant / R. Kennemer
Location:	*Bloomfield, NM*	**Date:**	8-19-16
Monitor Well ID.:	TW-48	**Time:**	0930
Well Dia.:		**Air Temp.:**	
Purge / No Purge:		**Weather:**	
Total Well Depth:		**Other:**	
Initial D.T.W. (ft):	6.93 **Time:** 0933	*(taken at initial gauging of well)*	
Confirm D.T.W. (ft):	**Time:**	*(taken prior to purging well)*	
Final D.T.W. (ft):	**Time:**	*(taken after sample collection)*	
NAPL Present:	**D.T.P. (ft):**	**D.T.W. (ft):**	

Water Quality Parameters - Recorded During Well Purging

Time	Temp (deg C)	Conductivity (uS) (mS)	DO (mg/L)	pH	ORP (mV)	Purge Vol. (gallons) *see reverse*
0944	9.79	4.980		7.20	-14.4	1
0948	8.71	4.915		7.22	-15.5	1
0954	8.77	4.639		7.30	-20.0	1
0958	8.74	4.726		7.25	-16.8	1
1000	Samples	Collected				

Analytical Parameters (include analysis method and number and type of sampling containers)

8260 (VOA); VOA; 8015B GRO, DRO, MRO; 8270 PAH; 6010B Total and Dissolved Lead; 300 Sulfate and Chloride; RCRA 8 Metals; Cations and Anions; TDS

Disposal of Purged Water:	
Samples Stored on Ice in Cooler:	
C.O.C. Complete:	
Analytical Laboratory:	Hall Environmental Analysis Laboratory, Albuquerque, NM
Sampling Equipment:	Water level, water quality meter and new disposable bailer

Notes / Comments

GROUNDWATER SAMPLING FORM

BioTech Remediation, Inc.
501 Airport Drive, Suite 104
Farmington, NM 87401
Phone (505) 327-4965

Site:	Thriftway #810 Refinery	**Technician:**	M. Beauparlant / R. Kennemer
Location:	*Bloomfield, NM*	**Date:**	2-26-16
Monitor Well ID.:	TW-4 9	**Time:**	1345
Well Dia.:		**Air Temp.:**	
Purge / No Purge:		**Weather:**	
Total Well Depth:		**Other:**	
Initial D.T.W. (ft):	5.85 **Time:** 1346	*(taken at initial gauging of well)*	
Confirm D.T.W. (ft):	**Time:**	*(taken prior to purging well)*	
Final D.T.W. (ft):	**Time:**	*(taken after sample collection)*	
NAPL Present:	**D.T.P. (ft):**	**D.T.W. (ft):**	

Water Quality Parameters - Recorded During Well Purging

Time	Temp (deg C)	Conductivity (uS) (mS)	DO (mg/L)	pH	ORP (mV)	Purge Vol. (gallons) *see reverse*
1350	6.73	8.199		7.15	-11.6	1
1356	6.65	8.247		7.14	-11.3	1
1400	Samples	Collected				

Analytical Parameters (include analysis method and number and type of sampling containers)

8260 (VOA); VOA; 8015B GRO, DRO, MRO; 8270 PAH; 6010B Total and Dissolved Lead; 300 Sulfate and Chloride; RCRA 8 Metals; Cations and Anions; TDS

Disposal of Purged Water:	
Samples Stored on Ice in Cooler:	
C.O.C. Complete:	
Analytical Laboratory:	Hall Environmental Analysis Laboratory, Albuquerque, NM
Sampling Equipment:	Water level, water quality meter and new disposable bailer

Notes / Comments

GROUNDWATER SAMPLING FORM

BioTech Remediation, Inc.
501 Airport Drive, Suite 104
Farmington, NM 87401
Phone (505) 327-4965

Site:	Thriftway #810 Refinery	**Technician:**	M. Beauparlant / R. Kennemer
Location:	*Bloomfield, NM*	**Date:**	2-26-16
Monitor Well ID.:	TW-5	**Time:**	0927
Well Dia.:		**Air Temp.:**	
Purge / No Purge:		**Weather:**	
Total Well Depth:		**Other:**	
Initial D.T.W. (ft):	7.02	**Time:** 0928	*(taken at initial gauging of well)*
Confirm D.T.W. (ft):		**Time:**	*(taken prior to purging well)*
Final D.T.W. (ft):		**Time:**	*(taken after sample collection)*
NAPL Present:	**D.T.P. (ft):**		**D.T.W. (ft):**

Water Quality Parameters - Recorded During Well Purging

Time	Temp (deg C)	Conductivity (uS) (mS)	DO (mg/L)	pH	ORP (mV)	Purge Vol. (gallons) *see reverse*
0930	7.00	6.558		7.42	-25.2	1
0934	8.15	6.620		7.25	-17.0	1
0940	8.23	6.647		7.26	-17.6	1
0945	8.22	6.463		7.25	-17.3	1
0950	Samples	Collected				

Analytical Parameters (include analysis method and number and type of sampling containers)

8260 (VOA); VOA; 8015B GRO, DRO, MRO; 8270 PAH; 6010B Total and Dissolved Lead; 300 Sulfate and Chloride; RCRA 8 Metals; Cations and Anions; TDS

Disposal of Purged Water:	
Samples Stored on Ice in Cooler:	
C.O.C. Complete:	
Analytical Laboratory:	Hall Environmental Analysis Laboratory, Albuquerque, NM
Sampling Equipment:	Water level, water quality meter and new disposable bailer

Notes / Comments

GROUNDWATER SAMPLING FORM

BioTech Remediation, Inc.
501 Airport Drive, Suite 104
Farmington, NM 87401
Phone (505) 327-4965

Site:	Thriftway #810 Refinery	**Technician:**	M. Beauparlant / R. Kennemer
Location:	*Bloomfield, NM*	**Date:**	2-26-16
Monitor Well ID.:	TW-52	**Time:**	1000
Well Dia.:		**Air Temp.:**	
Purge / No Purge:		**Weather:**	
Total Well Depth:		**Other:**	
Initial D.T.W. (ft):	7.45	**Time:** 1002	*(taken at initial gauging of well)*
Confirm D.T.W. (ft):		**Time:**	*(taken prior to purging well)*
Final D.T.W. (ft):		**Time:**	*(taken after sample collection)*
NAPL Present:	**D.T.P. (ft):**		**D.T.W. (ft):**

Water Quality Parameters - Recorded During Well Purging

Time	Temp (deg C)	Conductivity (uS) (mS)	DO (mg/L)	pH	ORP (mV)	Purge Vol. (gallons) *see reverse*
1005	8.39	7.042		7.25	-16.8	1
1008	8.06	6.929		7.20	-14.6	1
1013	7.97	6.809		7.19	-13.7	1
1016	7.92	6.911		7.17	-13.4	1
1020	Samples	Collected				

Analytical Parameters (include analysis method and number and type of sampling containers)

8260 (VOA); VOA; 8015B GRO, DRO, MRO; 8270 PAH; 6010B Total and Dissolved Lead; 300 Sulfate and Chloride; RCRA 8 Metals; Cations and Anions; TDS

Disposal of Purged Water:	
Samples Stored on Ice in Cooler:	
C.O.C. Complete:	
Analytical Laboratory:	Hall Environmental Analysis Laboratory, Albuquerque, NM
Sampling Equipment:	Water level, water quality meter and new disposable bailer

Notes / Comments

GROUNDWATER SAMPLING FORM

BioTech Remediation, Inc.
501 Airport Drive, Suite 104
Farmington, NM 87401
Phone (505) 327-4965

Site:	Thriftway #810 Refinery	**Technician:**	M. Beauparlant / R. Kennemer
Location:	*Bloomfield, NM*	**Date:**	2-26-16
Monitor Well ID.:	TW-53	**Time:**	1100
Well Dia.:		**Air Temp.:**	
Purge / No Purge:		**Weather:**	
Total Well Depth:		**Other:**	
Initial D.T.W. (ft):	7.17 **Time:** 1102	*(taken at initial gauging of well)*	
Confirm D.T.W. (ft):	**Time:**	*(taken prior to purging well)*	
Final D.T.W. (ft):	**Time:**	*(taken after sample collection)*	
NAPL Present:	**D.T.P. (ft):**	**D.T.W. (ft):**	

Water Quality Parameters - Recorded During Well Purging

Time	Temp (deg C)	Conductivity (uS) (mS)	DO (mg/L)	pH	ORP (mV)	Purge Vol. (gallons) *see reverse*
1106	8.95	8.030		7.68	-39.3	1
1111	8.82	8.126		7.47	-29.1	1
1115	8.74	8.167		7.46	-28.7	1
1120	8.97	8.811		7.47	-28.9	1
1125	Samples	Collected				

Analytical Parameters (include analysis method and number and type of sampling containers)

8260 (VOA); VOA; 8015B GRO, DRO, MRO; 8270 PAH; 6010B Total and Dissolved Lead; 300 Sulfate and Chloride; RCRA 8 Metals; Cations and Anions; TDS

Disposal of Purged Water:	
Samples Stored on Ice in Cooler:	
C.O.C. Complete:	
Analytical Laboratory:	Hall Environmental Analysis Laboratory, Albuquerque, NM
Sampling Equipment:	Water level, water quality meter and new disposable bailer

Notes / Comments

GROUNDWATER SAMPLING FORM

BioTech Remediation, Inc.
501 Airport Drive, Suite 104
Farmington, NM 87401
Phone (505) 327-4965

Site:	Thriftway #810 Refinery	**Technician:**	M. Beauparlant / R. Kennemer
Location:	*Bloomfield, NM*	**Date:**	2-26-16
Monitor Well ID.:	TW-5 4	**Time:**	1030
Well Dia.:		**Air Temp.:**	
Purge / No Purge:		**Weather:**	
Total Well Depth:		**Other:**	
Initial D.T.W. (ft):	7.63	**Time:** 1032	*(taken at initial gauging of well)*
Confirm D.T.W. (ft):		**Time:**	*(taken prior to purging well)*
Final D.T.W. (ft):		**Time:**	*(taken after sample collection)*
NAPL Present:	**D.T.P. (ft):**		**D.T.W. (ft):**

Water Quality Parameters - Recorded During Well Purging

Time	Temp (deg C)	Conductivity (uS) (mS)	DO (mg/L)	pH	ORP (mV)	Purge Vol. (gallons) *see reverse*
1035	9.48	5.650		7.78	-44.7	1
1039	9.53	5.702		7.53	-32.5	1
1044	9.52	5.828		7.51	-31.7	1
1050	9.49	5.987		7.52	-31.9	1
1055	Samples	Collected				

Analytical Parameters (include analysis method and number and type of sampling containers)

8260 (VOA); VOA; 8015B GRO, DRO, MRO; 8270 PAH; 6010B Total and Dissolved Lead; 300 Sulfate and Chloride; RCRA 8 Metals; Cations and Anions; TDS

Disposal of Purged Water:	
Samples Stored on Ice in Cooler:	
C.O.C. Complete:	
Analytical Laboratory:	Hall Environmental Analysis Laboratory, Albuquerque, NM
Sampling Equipment:	Water level, water quality meter and new disposable bailer

Notes / Comments

GROUNDWATER SAMPLING FORM

BioTech Remediation, Inc.
501 Airport Drive, Suite 104
Farmington, NM 87401
Phone (505) 327-4965

Site:	Thriftway #810 Refinery	**Technician:**	M. Beauparlant / R. Kennemer
Location:	*Bloomfield, NM*	**Date:**	2-19-16
Monitor Well ID.:	MW-4	**Time:**	1337
Well Dia.:		**Air Temp.:**	
Purge / No Purge:		**Weather:**	
Total Well Depth:		**Other:**	
Initial D.T.W. (ft):	5.35	**Time:** 1340	*(taken at initial gauging of well)*
Confirm D.T.W. (ft):		**Time:**	*(taken prior to purging well)*
Final D.T.W. (ft):		**Time:**	*(taken after sample collection)*
NAPL Present:	**D.T.P. (ft):**		**D.T.W. (ft):**

Water Quality Parameters - Recorded During Well Purging

Time	Temp (deg C)	Conductivity (uS) (mS)	DO (mg/L)	pH	ORP (mV)	Purge Vol. (gallons) *see reverse*
1344	10.21	5.652		7.36	-23.2	1
1349	9.84	5.521		7.35	-22.7	1
1355	9.67	5.490		7.35	-22.6	1
1358	9 9.66	5.477		7.37	-22.8	1
1400	Samples	Collected				

Analytical Parameters (include analysis method and number and type of sampling containers)

8260 (VOA); VOA; 8015B GRO, DRO, MRO; 8270 PAH; 6010B Total and Dissolved Lead; 300 Sulfate and Chloride; RCRA 8 Metals; Cations and Anions; TDS

Disposal of Purged Water:	
Samples Stored on Ice in Cooler:	
C.O.C. Complete:	
Analytical Laboratory:	Hall Environmental Analysis Laboratory, Albuquerque, NM
Sampling Equipment:	Water level, water quality meter and new disposable bailer

Notes / Comments

GROUNDWATER SAMPLING FORM

BioTech Remediation, Inc.
501 Airport Drive, Suite 104
Farmington, NM 87401
Phone (505) 327-4965

Site:	Thriftway #810 Refinery	**Technician:**	M. Beauparlant / R. Kennemer
Location:	*Bloomfield, NM*	**Date:**	2-22-16
Monitor Well ID.:	MW-5	**Time:**	1125
Well Dia.:		**Air Temp.:**	
Purge / No Purge:		**Weather:**	
Total Well Depth:		**Other:**	
Initial D.T.W. (ft):	5.28	**Time:** 1127	*(taken at initial gauging of well)*
Confirm D.T.W. (ft):		**Time:**	*(taken prior to purging well)*
Final D.T.W. (ft):		**Time:**	*(taken after sample collection)*
NAPL Present:	**D.T.P. (ft):**		**D.T.W. (ft):**

Water Quality Parameters - Recorded During Well Purging

Time	Temp (deg C)	Conductivity (uS) (mS)	DO (mg/L)	pH	ORP (mV)	Purge Vol. (gallons) *see reverse*
1130	10.17	5.954		7.68	-40.4	1
1134	10.13	6.026		7.60	-36.3	1
1139	10.18	6.019		7.61	-36.9	1
1144	10.42	5.957		7.67	-40.6	1
1150	Samples	Collected				

Analytical Parameters (include analysis method and number and type of sampling containers)

8260 (VOA); VOA; 8015B GRO, DRO, MRO; 8270 PAH; 6010B Total and Dissolved Lead; 300 Sulfate and Chloride; RCRA 8 Metals; Cations and Anions; TDS

Disposal of Purged Water:	
Samples Stored on Ice in Cooler:	
C.O.C. Complete:	
Analytical Laboratory:	Hall Environmental Analysis Laboratory, Albuquerque, NM
Sampling Equipment:	Water level, water quality meter and new disposable bailer

Notes / Comments

GROUNDWATER SAMPLING FORM

BioTech Remediation, Inc.
501 Airport Drive, Suite 104
Farmington, NM 87401
Phone (505) 327-4965

Site:	Thriftway #810 Refinery	**Technician:**	M. Beauparlant / R. Kennemer
Location:	*Bloomfield, NM*	**Date:**	2-19-16
Monitor Well ID.:	MW-6	**Time:**	1250
Well Dia.:		**Air Temp.:**	
Purge / No Purge:		**Weather:**	
Total Well Depth:		**Other:**	
Initial D.T.W. (ft):	4.76	**Time:** 1252	*(taken at initial gauging of well)*
Confirm D.T.W. (ft):		**Time:**	*(taken prior to purging well)*
Final D.T.W. (ft):		**Time:**	*(taken after sample collection)*
NAPL Present:	**D.T.P. (ft):**		**D.T.W. (ft):**

Water Quality Parameters - Recorded During Well Purging

Time	Temp (deg C)	Conductivity (uS) (mS)	DO (mg/L)	pH	ORP (mV)	Purge Vol. (gallons) *see reverse*
1256	10.59	7.287		7.56	-34.3	1
1300	10.72	7.346		7.57	-35.1	1
1305	10.74	7.731		7.61	-37.0	1
~~1310~~ 1310	10.79	7.378		7.58	-35.2	1
1315	Samples	Collected				

Analytical Parameters (include analysis method and number and type of sampling containers)

8260 (VOA); VOA; 8015B GRO, DRO, MRO; 8270 PAH; 6010B Total and Dissolved Lead; 300 Sulfate and Chloride; RCRA 8 Metals; Cations and Anions; TDS

Disposal of Purged Water:	
Samples Stored on Ice in Cooler:	
C.O.C. Complete:	
Analytical Laboratory:	Hall Environmental Analysis Laboratory, Albuquerque, NM
Sampling Equipment:	Water level, water quality meter and new disposable bailer

Notes / Comments

GROUNDWATER SAMPLING FORM

BioTech Remediation, Inc.
501 Airport Drive, Suite 104
Farmington, NM 87401
Phone (505) 327-4965

Site:	Thriftway #810 Refinery	**Technician:**	M. Beauparlant / R. Kennemer
Location:	*Bloomfield, NM*	**Date:**	2-19-16
Monitor Well ID.:	MW-7	**Time:**	1145
Well Dia.:		**Air Temp.:**	
Purge / No Purge:		**Weather:**	
Total Well Depth:		**Other:**	
Initial D.T.W. (ft):	8.53 **Time:** 1147	*(taken at initial gauging of well)*	
Confirm D.T.W. (ft):	**Time:**	*(taken prior to purging well)*	
Final D.T.W. (ft):	**Time:**	*(taken after sample collection)*	
NAPL Present:	**D.T.P. (ft):**	**D.T.W. (ft):**	

Water Quality Parameters - Recorded During Well Purging

Time	Temp (deg C)	Conductivity (uS) (mS)	DO (mg/L)	pH	ORP (mV)	Purge Vol. (gallons) *see reverse*
1152	9.43	5.361		7.49	-30.3	1
1157	~~8.75~~ 9.06	5.391		7.58	-34.8	1
1201	9.07	5.370		7.49	-29.8	1
1205	9.13	5.653		7.45	-28.4	1
1210	Samples	Collected				

Analytical Parameters (include analysis method and number and type of sampling containers)

8260 (VOA); VOA; 8015B GRO, DRO, MRO; 8270 PAH; 6010B Total and Dissolved Lead; 300 Sulfate and Chloride; RCRA 8 Metals; Cations and Anions; TDS

Disposal of Purged Water:	
Samples Stored on Ice in Cooler:	
C.O.C. Complete:	
Analytical Laboratory:	Hall Environmental Analysis Laboratory, Albuquerque, NM
Sampling Equipment:	Water level, water quality meter and new disposable bailer

Notes / Comments

GROUNDWATER SAMPLING FORM

BioTech Remediation, Inc.
501 Airport Drive, Suite 104
Farmington, NM 87401
Phone (505) 327-4965

Site:	Thriftway #810 Refinery	**Technician:**	M. Beauparlant / R. Kennemer
Location:	*Bloomfield, NM*	**Date:**	3-1-16
Monitor Well ID.:	MW-8	**Time:**	0835
Well Dia.:		**Air Temp.:**	
Purge / No Purge:		**Weather:**	
Total Well Depth:		**Other:**	
Initial D.T.W. (ft):	**Time:** 0836	*(taken at initial gauging of well)*	
Confirm D.T.W. (ft):	**Time:**	*(taken prior to purging well)*	
Final D.T.W. (ft):	**Time:**	*(taken after sample collection)*	
NAPL Present:	**D.T.P. (ft):**	**D.T.W. (ft):**	

Water Quality Parameters - Recorded During Well Purging

Time	Temp (deg C)	Conductivity (uS) (mS)	DO (mg/L)	pH	ORP (mV)	Purge Vol. (gallons) *see reverse*

Well Filled W/ Sediment

Analytical Parameters (include analysis method and number and type of sampling containers)

8260 (VOA); VOA; 8015B GRO, DRO, MRO; 8270 PAH; 6010B Total and Dissolved Lead; 300 Sulfate and Chloride; RCRA 8 Metals; Cations and Anions; TDS

Disposal of Purged Water:	
Samples Stored on Ice in Cooler:	
C.O.C. Complete:	
Analytical Laboratory:	Hall Environmental Analysis Laboratory, Albuquerque, NM
Sampling Equipment:	Water level, water quality meter and new disposable bailer

Notes / Comments

GROUNDWATER SAMPLING FORM

BioTech Remediation, Inc.
501 Airport Drive, Suite 104
Farmington, NM 87401
Phone (505) 327-4965

Site:	Thriftway #810 Refinery	**Technician:**	M. Beauparlant / R. Kennemer
Location:	*Bloomfield, NM*	**Date:**	3-1-16
Monitor Well ID.:	MW-9	**Time:**	0748
Well Dia.:		**Air Temp.:**	
Purge / No Purge:		**Weather:**	
Total Well Depth:		**Other:**	
Initial D.T.W. (ft):	6.05 **Time:** 0750	*(taken at initial gauging of well)*	
Confirm D.T.W. (ft):	**Time:**	*(taken prior to purging well)*	
Final D.T.W. (ft):	**Time:**	*(taken after sample collection)*	
NAPL Present:	**D.T.P. (ft):**	**D.T.W. (ft):**	

Water Quality Parameters - Recorded During Well Purging

Time	Temp (deg C)	Conductivity (uS) (mS)	DO (mg/L)	pH	ORP (mV)	Purge Vol. (gallons) *see reverse*
0800	5.74	6.709		7.80	-45.6	1
0804	6.24	6.592		7.54	-32.8	1
0809	7.70	6.263		7.50	-30.7	1
0813	7.81	6.094		7.52	-31.6	1
0820	Samples	Collected				

Analytical Parameters (include analysis method and number and type of sampling containers)

8260 (VOA); VOA; 8015B GRO, DRO, MRO; 8270 PAH; 6010B Total and Dissolved Lead; 300 Sulfate and Chloride; RCRA 8 Metals; Cations and Anions; TDS

Disposal of Purged Water:	
Samples Stored on Ice in Cooler:	
C.O.C. Complete:	
Analytical Laboratory:	Hall Environmental Analysis Laboratory, Albuquerque, NM
Sampling Equipment:	Water level, water quality meter and new disposable bailer

Notes / Comments

GROUNDWATER SAMPLING FORM

BioTech Remediation, Inc.
501 Airport Drive, Suite 104
Farmington, NM 87401
Phone (505) 327-4965

Site:	Thriftway #810 Refinery	**Technician:**	M. Beauparlant / R. Kennemer
Location:	*Bloomfield, NM*	**Date:**	3-1-16
Monitor Well ID.:	MW-10	**Time:**	0852
Well Dia.:	2	**Air Temp.:**	
Purge / No Purge:		**Weather:**	
Total Well Depth:		**Other:**	
Initial D.T.W. (ft):	5.58	**Time:** 0854	*(taken at initial gauging of well)*
Confirm D.T.W. (ft):		**Time:**	*(taken prior to purging well)*
Final D.T.W. (ft):		**Time:**	*(taken after sample collection)*
NAPL Present:	**D.T.P. (ft):**		**D.T.W. (ft):**

Water Quality Parameters - Recorded During Well Purging

Time	Temp (deg C)	Conductivity (uS) (mS)	DO (mg/L)	pH	ORP (mV)	Purge Vol. (gallons) *see reverse*
0902	8.76	4.533		7.75	-44.6	1
0907	8.01	4.195		7.71	-42.2	1
0911	8.20	4.506		7.70	-41.6	1
0915	8.47	4.850		7.68	-41.4	1
0920	Samples	Collected				

Analytical Parameters (include analysis method and number and type of sampling containers)

8260 (VOA); VOA; 8015B GRO, DRO, MRO; 8270 PAH; 6010B Total and Dissolved Lead; 300 Sulfate and Chloride; RCRA 8 Metals; Cations and Anions; TDS

Disposal of Purged Water:	
Samples Stored on Ice in Cooler:	
C.O.C. Complete:	
Analytical Laboratory:	Hall Environmental Analysis Laboratory, Albuquerque, NM
Sampling Equipment:	Water level, water quality meter and new disposable bailer

Notes / Comments

GROUNDWATER SAMPLING FORM

BioTech Remediation, Inc.
501 Airport Drive, Suite 104
Farmington, NM 87401
Phone (505) 327-4965

Site:	Thriftway #810 Refinery	**Technician:**	M. Beauparlant / R. Kennemer
Location:	*Bloomfield, NM*	**Date:**	2-25-16
Monitor Well ID.:	MW-13	**Time:**	1025
Well Dia.:		**Air Temp.:**	
Purge / No Purge:		**Weather:**	
Total Well Depth:		**Other:**	
Initial D.T.W. (ft):	18.29	**Time:** 1027	*(taken at initial gauging of well)*
Confirm D.T.W. (ft):		**Time:**	*(taken prior to purging well)*
Final D.T.W. (ft):		**Time:**	*(taken after sample collection)*
NAPL Present:	**D.T.P. (ft):**		**D.T.W. (ft):**

Water Quality Parameters - Recorded During Well Purging

Time	Temp (deg C)	Conductivity (uS) (mS)	DO (mg/L)	pH	ORP (mV)	Purge Vol. (gallons) *see reverse*
1033	13.82	5.259		7.58	-34.3	1
1037	14.88	5.338		7.34	-22.1	1
1042	14.95	5.425		7.33	-21.7	1
1046	14.97	5.564		7.31	-20.9	1
1050	Samples	Collected				

Analytical Parameters (include analysis method and number and type of sampling containers)

8260 (VOA); VOA; 8015B GRO, DRO, MRO; 8270 PAH; 6010B Total and Dissolved Lead; 300 Sulfate and Chloride; RCRA 8 Metals; Cations and Anions; TDS

Disposal of Purged Water:	
Samples Stored on Ice in Cooler:	
C.O.C. Complete:	
Analytical Laboratory:	Hall Environmental Analysis Laboratory, Albuquerque, NM
Sampling Equipment:	Water level, water quality meter and new disposable bailer

Notes / Comments

GROUNDWATER SAMPLING FORM

BioTech Remediation, Inc.
501 Airport Drive, Suite 104
Farmington, NM 87401
Phone (505) 327-4965

Site:	Thriftway #810 Refinery	**Technician:**	M. Beauparlant / R. Kennemer
Location:	*Bloomfield, NM*	**Date:**	2-25-16
Monitor Well ID.:	MW-16	**Time:**	1430
Well Dia.:		**Air Temp.:**	
Purge / No Purge:		**Weather:**	
Total Well Depth:		**Other:**	
Initial D.T.W. (ft):	9.08	**Time:** 1433	*(taken at initial gauging of well)*
Confirm D.T.W. (ft):		**Time:**	*(taken prior to purging well)*
Final D.T.W. (ft):		**Time:**	*(taken after sample collection)*
NAPL Present:	**D.T.P. (ft):**		**D.T.W. (ft):**

Water Quality Parameters - Recorded During Well Purging

Time	Temp (deg C)	Conductivity (uS) (mS)	DO (mg/L)	pH	ORP (mV)	Purge Vol. (gallons) *see reverse*
1438	13.07	3.245		7.60	-36.8	1
1442	13.20	3.225		7.64	-39.0	1
1447	13.16	3.167		7.58	-35.7	1
1451	13.05	3.815		7.65	-35.4	1
1455	Samples	Collected				

Analytical Parameters (include analysis method and number and type of sampling containers)

8260 (VOA); VOA; 8015B GRO, DRO, MRO; 8270 PAH; 6010B Total and Dissolved Lead; 300 Sulfate and Chloride; RCRA 8 Metals; Cations and Anions; TDS

Disposal of Purged Water:	
Samples Stored on Ice in Cooler:	
C.O.C. Complete:	
Analytical Laboratory:	Hall Environmental Analysis Laboratory, Albuquerque, NM
Sampling Equipment:	Water level, water quality meter and new disposable bailer

Notes / Comments

GROUNDWATER SAMPLING FORM

BioTech Remediation, Inc.
501 Airport Drive, Suite 104
Farmington, NM 87401
Phone (505) 327-4965

Site:	Thriftway #810 Refinery	**Technician:**	M. Beauparlant / R. Kennemer
Location:	*Bloomfield, NM*	**Date:**	2-25-16
Monitor Well ID.:	MW-17	**Time:**	1348
Well Dia.:		**Air Temp.:**	
Purge / No Purge:		**Weather:**	
Total Well Depth:		**Other:**	
Initial D.T.W. (ft):	6.09 **Time:** 1350	*(taken at initial gauging of well)*	
Confirm D.T.W. (ft):	**Time:**	*(taken prior to purging well)*	
Final D.T.W. (ft):	**Time:**	*(taken after sample collection)*	
NAPL Present:	**D.T.P. (ft):**	**D.T.W. (ft):**	

Water Quality Parameters - Recorded During Well Purging

Time	Temp (deg C)	Conductivity (uS) (mS)	DO (mg/L)	pH	ORP (mV)	Purge Vol. (gallons) *see reverse*
1355	12.66	4.845		7.31	-21.4	1
~~1356~~ 1359	12.34	4.672		7.16	-12.3	1
1404	12.33	4.279		7.18	-13.5	1
1410	12.10	3.931		7.20	-14.8	1
1415	Samples	Collected				

Analytical Parameters (include analysis method and number and type of sampling containers)

8260 (VOA); VOA; 8015B GRO, DRO, MRO; 8270 PAH; 6010B Total and Dissolved Lead; 300 Sulfate and Chloride; RCRA 8 Metals; Cations and Anions; TDS

Disposal of Purged Water:	
Samples Stored on Ice in Cooler:	
C.O.C. Complete:	
Analytical Laboratory:	Hall Environmental Analysis Laboratory, Albuquerque, NM
Sampling Equipment:	Water level, water quality meter and new disposable bailer

Notes / Comments

GROUNDWATER SAMPLING FORM

BioTech Remediation, Inc.
501 Airport Drive, Suite 104
Farmington, NM 87401
Phone (505) 327-4965

Site:	Thriftway #810 Refinery	**Technician:**	M. Beauparlant / R. Kennemer
Location:	*Bloomfield, NM*	**Date:**	2-25-16
Monitor Well ID.:	MW-18	**Time:**	1310
Well Dia.:		**Air Temp.:**	
Purge / No Purge:		**Weather:**	
Total Well Depth:		**Other:**	
Initial D.T.W. (ft):	4.11 **Time:** 1312	*(taken at initial gauging of well)*	
Confirm D.T.W. (ft):	**Time:**	*(taken prior to purging well)*	
Final D.T.W. (ft):	**Time:**	*(taken after sample collection)*	
NAPL Present:	**D.T.P. (ft):**	**D.T.W. (ft):**	

Water Quality Parameters - Recorded During Well Purging

Time	Temp (deg C)	Conductivity (uS) (mS)	DO (mg/L)	pH	ORP (mV)	Purge Vol. (gallons) *see reverse*
1316	10.02	6.550		7.33	-20.6	1
1320	9.73	6.517		7.22	-15.4	1
1325	9.79	6.506		7.21	-14.9	1
1331	9.93	6.494		7.26	-15.1	1
1335	Samples	Collected				

Analytical Parameters (include analysis method and number and type of sampling containers)

8260 (VOA); VOA; 8015B GRO, DRO, MRO; 8270 PAH; 6010B Total and Dissolved Lead; 300 Sulfate and Chloride; RCRA 8 Metals; Cations and Anions; TDS

Disposal of Purged Water:	
Samples Stored on Ice in Cooler:	
C.O.C. Complete:	
Analytical Laboratory:	Hall Environmental Analysis Laboratory, Albuquerque, NM
Sampling Equipment:	Water level, water quality meter and new disposable bailer

Notes / Comments

GROUNDWATER SAMPLING FORM

BioTech Remediation, Inc.
501 Airport Drive, Suite 104
Farmington, NM 87401
Phone (505) 327-4965

Site:	Thriftway #810 Refinery	**Technician:**	M. Beauparlant / R. Kennemer
Location:	*Bloomfield, NM*	**Date:**	2-25-16
Monitor Well ID.:	MW-19	**Time:**	1220
Well Dia.:		**Air Temp.:**	
Purge / No Purge:		**Weather:**	
Total Well Depth:		**Other:**	
Initial D.T.W. (ft):	3.96	**Time:** 1222	*(taken at initial gauging of well)*
Confirm D.T.W. (ft):		**Time:**	*(taken prior to purging well)*
Final D.T.W. (ft):		**Time:**	*(taken after sample collection)*
NAPL Present:	**D.T.P. (ft):**		**D.T.W. (ft):**

Water Quality Parameters - Recorded During Well Purging

Time	Temp (deg C)	Conductivity (uS) (mS)	DO (mg/L)	pH	ORP (mV)	Purge Vol. (gallons) *see reverse*
1228	9.74	6.598	[redacted]	7.38	-22.8	1
1234	9.48	6.642		7.31	-20.7	1
1240	9.27	6.590		7.36	-23.2	1
1245	9.35	6.554		7.41	-25.8	1
1250	Samples	Collected				

Analytical Parameters (include analysis method and number and type of sampling containers)

8260 (VOA); VOA; 8015B GRO, DRO, MRO; 8270 PAH; 6010B Total and Dissolved Lead; 300 Sulfate and Chloride; RCRA 8 Metals; Cations and Anions; TDS

Disposal of Purged Water:	
Samples Stored on Ice in Cooler:	
C.O.C. Complete:	
Analytical Laboratory:	Hall Environmental Analysis Laboratory, Albuquerque, NM
Sampling Equipment:	Water level, water quality meter and new disposable bailer

Notes / Comments

GROUNDWATER SAMPLING FORM

BioTech Remediation, Inc.
501 Airport Drive, Suite 104
Farmington, NM 87401
Phone (505) 327-4965

Site:	Thriftway #810 Refinery	**Technician:**	M. Beauparlant / R. Kennemer
Location:	*Bloomfield, NM*	**Date:**	2-23-16
Monitor Well ID.:	MW-20	**Time:**	1003
Well Dia.:		**Air Temp.:**	
Purge / No Purge:		**Weather:**	
Total Well Depth:		**Other:**	
Initial D.T.W. (ft):	11.61	**Time:** 1005	*(taken at initial gauging of well)*
Confirm D.T.W. (ft):		**Time:**	*(taken prior to purging well)*
Final D.T.W. (ft):		**Time:**	*(taken after sample collection)*
NAPL Present:	**D.T.P. (ft):**		**D.T.W. (ft):**

Water Quality Parameters - Recorded During Well Purging

Time	Temp (deg C)	Conductivity (uS) (mS)	DO (mg/L)	pH	ORP (mV)	Purge Vol. (gallons) *see reverse*
1010	8.14	5.313		7.40	-25.8	1
1015	7.80	5.337		7.41	-24.7	1
1019	7.72	5.531		7.37	-23.8	1
1028	7.70	5.387		7.33	-21.8	1
1030	Samples	Collected				

Analytical Parameters (include analysis method and number and type of sampling containers)

8260 (VOA); VOA; 8015B GRO, DRO, MRO; 8270 PAH; 6010B Total and Dissolved Lead; 300 Sulfate and Chloride; RCRA 8 Metals; Cations and Anions; TDS

Disposal of Purged Water:	
Samples Stored on Ice in Cooler:	
C.O.C. Complete:	
Analytical Laboratory:	Hall Environmental Analysis Laboratory, Albuquerque, NM
Sampling Equipment:	Water level, water quality meter and new disposable bailer

Notes / Comments

GROUNDWATER SAMPLING FORM

BioTech Remediation, Inc.
501 Airport Drive, Suite 104
Farmington, NM 87401
Phone (505) 327-4965

Site:	Thriftway #810 Refinery	**Technician:**	M. Beauparlant / R. Kennemer
Location:	*Bloomfield, NM*	**Date:**	2-26-16
Monitor Well ID.:	MW-21	**Time:**	1208
Well Dia.:		**Air Temp.:**	
Purge / No Purge:		**Weather:**	
Total Well Depth:		**Other:**	
Initial D.T.W. (ft):	3.89 **Time:** 1210	*(taken at initial gauging of well)*	
Confirm D.T.W. (ft):	**Time:**	*(taken prior to purging well)*	
Final D.T.W. (ft):	**Time:**	*(taken after sample collection)*	
NAPL Present:	**D.T.P. (ft):**	**D.T.W. (ft):**	

Water Quality Parameters - Recorded During Well Purging

Time	Temp (deg C)	Conductivity (uS) (mS)	DO (mg/L)	pH	ORP (mV)	Purge Vol. (gallons) *see reverse*
1215	10.27	6.480		7.28	-18.4	1
1219	10.22	6.405		7.23	-16.2	1
1223	10.16	6.390		7.22	-15.7	1
1227	10.15	6.388		7.24	-16.8	1
1230	Samples	Collected				

Analytical Parameters (include analysis method and number and type of sampling containers)

8260 (VOA); VOA; 8015B GRO, DRO, MRO; 8270 PAH; 6010B Total and Dissolved Lead; 300 Sulfate and Chloride; RCRA 8 Metals; Cations and Anions; TDS

Disposal of Purged Water:	
Samples Stored on Ice in Cooler:	
C.O.C. Complete:	
Analytical Laboratory:	Hall Environmental Analysis Laboratory, Albuquerque, NM
Sampling Equipment:	Water level, water quality meter and new disposable bailer

Notes / Comments

APPENDIX B.

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

July 17, 2015

Brent Everett
Animas Environmental
604 Pinon Street
Farmington, NM 87401
TEL:
FAX

RE: Thriftway #810 OrderNo.: 1506C78

Dear Brent Everett:

Hall Environmental Analysis Laboratory received 21 sample(s) on 6/26/2015 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 qualifers are provided on both the sample analysis report and the QC summary report, both sections should be reviewed. All samples are reported, as received, unless otherwise indicated. Lab measurement of analytes considered field parameters that require analysis within 15 minutes of sampling such as pH and residual chlorine are qualified as being analyzed outside of the recommended holding time.

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

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

Sincerely,

Andy Freeman
Laboratory Manager
4901 Hawkins NE
Albuquerque, NM 87109

Analytical Report
Lab Order **1506C78**
Date Reported: **7/17/2015**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Animas Environmental
Project: Thriftway #810
Lab ID: 1506C78-001 **Matrix:** AQUEOUS

Client Sample ID: TW-43
Collection Date: 6/24/2015 11:45:00 AM
Received Date: 6/26/2015 7:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **RAA**	
Gasoline Range Organics (GRO)	0.71	0.10		mg/L	2	6/29/2015 8:56:22 PM	R27159
Surr: BFB	98.0	70-130		%REC	2	6/29/2015 8:56:22 PM	R27159
EPA METHOD 8015M/D: DIESEL RANGE						Analyst: **KJH**	
Diesel Range Organics (DRO)	ND	1.0		mg/L	1	6/30/2015 12:08:44 PM	19999
Motor Oil Range Organics (MRO)	ND	5.0		mg/L	1	6/30/2015 12:08:44 PM	19999
Surr: DNOP	98.6	76.5-150		%REC	1	6/30/2015 12:08:44 PM	19999
EPA METHOD 8260B: VOLATILES						Analyst: **RAA**	
Benzene	ND	2.0		µg/L	2	6/29/2015 8:56:22 PM	R27159
Toluene	ND	2.0		µg/L	2	6/29/2015 8:56:22 PM	R27159
Ethylbenzene	ND	2.0		µg/L	2	6/29/2015 8:56:22 PM	R27159
Methyl tert-butyl ether (MTBE)	300	2.0		µg/L	2	6/29/2015 8:56:22 PM	R27159
Naphthalene	ND	4.0		µg/L	2	6/29/2015 8:56:22 PM	R27159
1-Methylnaphthalene	ND	8.0		µg/L	2	6/29/2015 8:56:22 PM	R27159
2-Methylnaphthalene	ND	8.0		µg/L	2	6/29/2015 8:56:22 PM	R27159
Xylenes, Total	ND	3.0		µg/L	2	6/29/2015 8:56:22 PM	R27159
Surr: 1,2-Dichloroethane-d4	97.4	70-130		%REC	2	6/29/2015 8:56:22 PM	R27159
Surr: 4-Bromofluorobenzene	99.4	70-130		%REC	2	6/29/2015 8:56:22 PM	R27159
Surr: Dibromofluoromethane	101	70-130		%REC	2	6/29/2015 8:56:22 PM	R27159
Surr: Toluene-d8	102	70-130		%REC	2	6/29/2015 8:56:22 PM	R27159

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
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
O	RSD is greater than RSDlimit	P	Sample pH Not In Range
R	RPD outside accepted recovery limits	RL	Reporting Detection Limit
S	Spike Recovery outside accepted recovery limits		

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Animas Environmental
Client Sample ID: TW-45
Project: Thriftway #810
Collection Date: 6/24/2015 12:10:00 PM
Lab ID: 1506C78-002
Matrix: AQUEOUS
Received Date: 6/26/2015 7:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8015D: GASOLINE RANGE							Analyst: **RAA**
Gasoline Range Organics (GRO)	0.095	0.050		mg/L	1	6/29/2015 9:23:58 PM	R27159
Surr: BFB	99.9	70-130		%REC	1	6/29/2015 9:23:58 PM	R27159
EPA METHOD 8015M/D: DIESEL RANGE							Analyst: **KJH**
Diesel Range Organics (DRO)	ND	1.0		mg/L	1	6/30/2015 12:51:26 PM	19999
Motor Oil Range Organics (MRO)	ND	5.0		mg/L	1	6/30/2015 12:51:26 PM	19999
Surr: DNOP	102	76.5-150		%REC	1	6/30/2015 12:51:26 PM	19999
EPA METHOD 8260B: VOLATILES							Analyst: **RAA**
Benzene	ND	1.0		µg/L	1	6/29/2015 9:23:58 PM	R27159
Toluene	ND	1.0		µg/L	1	6/29/2015 9:23:58 PM	R27159
Ethylbenzene	ND	1.0		µg/L	1	6/29/2015 9:23:58 PM	R27159
Methyl tert-butyl ether (MTBE)	81	1.0		µg/L	1	6/29/2015 9:23:58 PM	R27159
Naphthalene	ND	2.0		µg/L	1	6/29/2015 9:23:58 PM	R27159
1-Methylnaphthalene	ND	4.0		µg/L	1	6/29/2015 9:23:58 PM	R27159
2-Methylnaphthalene	ND	4.0		µg/L	1	6/29/2015 9:23:58 PM	R27159
Xylenes, Total	ND	1.5		µg/L	1	6/29/2015 9:23:58 PM	R27159
Surr: 1,2-Dichloroethane-d4	97.1	70-130		%REC	1	6/29/2015 9:23:58 PM	R27159
Surr: 4-Bromofluorobenzene	101	70-130		%REC	1	6/29/2015 9:23:58 PM	R27159
Surr: Dibromofluoromethane	97.0	70-130		%REC	1	6/29/2015 9:23:58 PM	R27159
Surr: Toluene-d8	98.8	70-130		%REC	1	6/29/2015 9:23:58 PM	R27159

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

Qualifiers:

*	Value exceeds Maximum Contaminant Level.
E	Value above quantitation range
J	Analyte detected below quantitation limits
O	RSD is greater than RSDlimit
R	RPD outside accepted recovery limits
S	Spike Recovery outside accepted recovery limits
B	Analyte detected in the associated Method Blank
H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit
P	Sample pH Not In Range
RL	Reporting Detection Limit

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Animas Environmental
Project: Thriftway #810
Lab ID: 1506C78-003 **Matrix:** AQUEOUS

Client Sample ID: TW-46
Collection Date: 6/24/2015 12:25:00 PM
Received Date: 6/26/2015 7:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **RAA**	
Gasoline Range Organics (GRO)	0.21	0.050		mg/L	1	6/30/2015 1:30:54 AM	R27159
Surr: BFB	99.4	70-130		%REC	1	6/30/2015 1:30:54 AM	R27159
EPA METHOD 8015M/D: DIESEL RANGE						Analyst: **KJH**	
Diesel Range Organics (DRO)	ND	1.0		mg/L	1	6/30/2015 1:34:06 PM	19999
Motor Oil Range Organics (MRO)	ND	5.0		mg/L	1	6/30/2015 1:34:06 PM	19999
Surr: DNOP	94.4	76.5-150		%REC	1	6/30/2015 1:34:06 PM	19999
EPA METHOD 8260B: VOLATILES						Analyst: **RAA**	
Benzene	ND	1.0		µg/L	1	6/30/2015 1:30:54 AM	R27159
Toluene	ND	1.0		µg/L	1	6/30/2015 1:30:54 AM	R27159
Ethylbenzene	ND	1.0		µg/L	1	6/30/2015 1:30:54 AM	R27159
Methyl tert-butyl ether (MTBE)	10	1.0		µg/L	1	6/30/2015 1:30:54 AM	R27159
Naphthalene	ND	2.0		µg/L	1	6/30/2015 1:30:54 AM	R27159
1-Methylnaphthalene	ND	4.0		µg/L	1	6/30/2015 1:30:54 AM	R27159
2-Methylnaphthalene	ND	4.0		µg/L	1	6/30/2015 1:30:54 AM	R27159
Xylenes, Total	ND	1.5		µg/L	1	6/30/2015 1:30:54 AM	R27159
Surr: 1,2-Dichloroethane-d4	98.0	70-130		%REC	1	6/30/2015 1:30:54 AM	R27159
Surr: 4-Bromofluorobenzene	105	70-130		%REC	1	6/30/2015 1:30:54 AM	R27159
Surr: Dibromofluoromethane	99.2	70-130		%REC	1	6/30/2015 1:30:54 AM	R27159
Surr: Toluene-d8	97.0	70-130		%REC	1	6/30/2015 1:30:54 AM	R27159

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

Qualifiers:

*	Value exceeds Maximum Contaminant Level.
E	Value above quantitation range
J	Analyte detected below quantitation limits
O	RSD is greater than RSDlimit
R	RPD outside accepted recovery limits
S	Spike Recovery outside accepted recovery limits
B	Analyte detected in the associated Method Blank
H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit
P	Sample pH Not In Range
RL	Reporting Detection Limit

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Animas Environmental
Project: Thriftway #810
Lab ID: 1506C78-004 **Matrix:** AQUEOUS

Client Sample ID: TW-47
Collection Date: 6/24/2015 12:25:00 PM
Received Date: 6/26/2015 7:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analyst: **LGT**	
Chloride	1600	50	*	mg/L	100	6/26/2015 6:32:56 PM	R27150
Sulfate	5300	100	*	mg/L	200	7/2/2015 9:51:56 PM	R27295
SM2540C MOD: TOTAL DISSOLVED SOLIDS						Analyst: **KS**	
Total Dissolved Solids	9970	200	*	mg/L	1	7/2/2015 8:03:00 AM	20033
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **RAA**	
Gasoline Range Organics (GRO)	ND	0.050		mg/L	1	6/30/2015 1:58:17 AM	R27159
Surr: BFB	102	70-130		%REC	1	6/30/2015 1:58:17 AM	R27159
EPA METHOD 8015M/D: DIESEL RANGE						Analyst: **KJH**	
Diesel Range Organics (DRO)	ND	1.0		mg/L	1	6/30/2015 1:55:23 PM	19999
Motor Oil Range Organics (MRO)	ND	5.0		mg/L	1	6/30/2015 1:55:23 PM	19999
Surr: DNOP	108	76.5-150		%REC	1	6/30/2015 1:55:23 PM	19999
EPA METHOD 8260B: VOLATILES						Analyst: **RAA**	
Benzene	ND	1.0		µg/L	1	6/30/2015 1:58:17 AM	R27159
Toluene	ND	1.0		µg/L	1	6/30/2015 1:58:17 AM	R27159
Ethylbenzene	ND	1.0		µg/L	1	6/30/2015 1:58:17 AM	R27159
Methyl tert-butyl ether (MTBE)	13	1.0		µg/L	1	6/30/2015 1:58:17 AM	R27159
Naphthalene	ND	2.0		µg/L	1	6/30/2015 1:58:17 AM	R27159
1-Methylnaphthalene	ND	4.0		µg/L	1	6/30/2015 1:58:17 AM	R27159
2-Methylnaphthalene	ND	4.0		µg/L	1	6/30/2015 1:58:17 AM	R27159
Xylenes, Total	ND	1.5		µg/L	1	6/30/2015 1:58:17 AM	R27159
Surr: 1,2-Dichloroethane-d4	93.0	70-130		%REC	1	6/30/2015 1:58:17 AM	R27159
Surr: 4-Bromofluorobenzene	102	70-130		%REC	1	6/30/2015 1:58:17 AM	R27159
Surr: Dibromofluoromethane	97.1	70-130		%REC	1	6/30/2015 1:58:17 AM	R27159
Surr: Toluene-d8	99.2	70-130		%REC	1	6/30/2015 1:58:17 AM	R27159

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
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
O	RSD is greater than RSDlimit	P	Sample pH Not In Range
R	RPD outside accepted recovery limits	RL	Reporting Detection Limit
S	Spike Recovery outside accepted recovery limits		

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Animas Environmental
Project: Thriftway #810
Lab ID: 1506C78-005 **Matrix:** AQUEOUS

Client Sample ID: TW-48
Collection Date: 6/25/2015 12:00:00 PM
Received Date: 6/26/2015 7:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **RAA**	
Gasoline Range Organics (GRO)	0.44	0.050		mg/L	1	6/30/2015 2:25:47 AM	R27159
Surr: BFB	105	70-130		%REC	1	6/30/2015 2:25:47 AM	R27159
EPA METHOD 8015M/D: DIESEL RANGE						Analyst: **KJH**	
Diesel Range Organics (DRO)	ND	1.0		mg/L	1	6/30/2015 2:17:26 PM	19999
Motor Oil Range Organics (MRO)	ND	5.0		mg/L	1	6/30/2015 2:17:26 PM	19999
Surr: DNOP	108	76.5-150		%REC	1	6/30/2015 2:17:26 PM	19999
EPA METHOD 8260B: VOLATILES						Analyst: **RAA**	
Benzene	ND	1.0		µg/L	1	6/30/2015 2:25:47 AM	R27159
Toluene	ND	1.0		µg/L	1	6/30/2015 2:25:47 AM	R27159
Ethylbenzene	ND	1.0		µg/L	1	6/30/2015 2:25:47 AM	R27159
Methyl tert-butyl ether (MTBE)	9.6	1.0		µg/L	1	6/30/2015 2:25:47 AM	R27159
Naphthalene	ND	2.0		µg/L	1	6/30/2015 2:25:47 AM	R27159
1-Methylnaphthalene	ND	4.0		µg/L	1	6/30/2015 2:25:47 AM	R27159
2-Methylnaphthalene	ND	4.0		µg/L	1	6/30/2015 2:25:47 AM	R27159
Xylenes, Total	ND	1.5		µg/L	1	6/30/2015 2:25:47 AM	R27159
Surr: 1,2-Dichloroethane-d4	96.5	70-130		%REC	1	6/30/2015 2:25:47 AM	R27159
Surr: 4-Bromofluorobenzene	95.6	70-130		%REC	1	6/30/2015 2:25:47 AM	R27159
Surr: Dibromofluoromethane	97.5	70-130		%REC	1	6/30/2015 2:25:47 AM	R27159
Surr: Toluene-d8	104	70-130		%REC	1	6/30/2015 2:25:47 AM	R27159

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

Qualifiers:

*	Value exceeds Maximum Contaminant Level.
E	Value above quantitation range
J	Analyte detected below quantitation limits
O	RSD is greater than RSDlimit
R	RPD outside accepted recovery limits
S	Spike Recovery outside accepted recovery limits
B	Analyte detected in the associated Method Blank
H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit
P	Sample pH Not In Range
RL	Reporting Detection Limit

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Animas Environmental
Project: Thriftway #810
Lab ID: 1506C78-006 **Matrix:** AQUEOUS

Client Sample ID: TW-49
Collection Date: 6/24/2015 2:00:00 PM
Received Date: 6/26/2015 7:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **RAA**	
Gasoline Range Organics (GRO)	0.28	0.10		mg/L	2	6/30/2015 2:53:21 AM	R27159
Surr: BFB	89.8	70-130		%REC	2	6/30/2015 2:53:21 AM	R27159
EPA METHOD 8015M/D: DIESEL RANGE						Analyst: **KJH**	
Diesel Range Organics (DRO)	ND	1.0		mg/L	1	6/30/2015 2:38:50 PM	19999
Motor Oil Range Organics (MRO)	ND	5.0		mg/L	1	6/30/2015 2:38:50 PM	19999
Surr: DNOP	102	76.5-150		%REC	1	6/30/2015 2:38:50 PM	19999
EPA METHOD 8260B: VOLATILES						Analyst: **RAA**	
Benzene	ND	2.0		µg/L	2	6/30/2015 2:53:21 AM	R27159
Toluene	ND	2.0		µg/L	2	6/30/2015 2:53:21 AM	R27159
Ethylbenzene	ND	2.0		µg/L	2	6/30/2015 2:53:21 AM	R27159
Methyl tert-butyl ether (MTBE)	16	2.0		µg/L	2	6/30/2015 2:53:21 AM	R27159
Naphthalene	ND	4.0		µg/L	2	6/30/2015 2:53:21 AM	R27159
1-Methylnaphthalene	ND	8.0		µg/L	2	6/30/2015 2:53:21 AM	R27159
2-Methylnaphthalene	ND	8.0		µg/L	2	6/30/2015 2:53:21 AM	R27159
Xylenes, Total	ND	3.0		µg/L	2	6/30/2015 2:53:21 AM	R27159
Surr: 1,2-Dichloroethane-d4	99.1	70-130		%REC	2	6/30/2015 2:53:21 AM	R27159
Surr: 4-Bromofluorobenzene	95.1	70-130		%REC	2	6/30/2015 2:53:21 AM	R27159
Surr: Dibromofluoromethane	101	70-130		%REC	2	6/30/2015 2:53:21 AM	R27159
Surr: Toluene-d8	99.6	70-130		%REC	2	6/30/2015 2:53:21 AM	R27159

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
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
O	RSD is greater than RSDlimit	P	Sample pH Not In Range
R	RPD outside accepted recovery limits	RL	Reporting Detection Limit
S	Spike Recovery outside accepted recovery limits		

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Animas Environmental
Project: Thriftway #810
Lab ID: 1506C78-007 **Matrix:** AQUEOUS

Client Sample ID: TW-51
Collection Date: 6/24/2015 2:20:00 PM
Received Date: 6/26/2015 7:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analyst: **LGT**	
Chloride	270	50	*	mg/L	100	6/26/2015 6:57:46 PM	R27150
Sulfate	3000	50	*	mg/L	100	6/26/2015 6:57:46 PM	R27150
SM2540C MOD: TOTAL DISSOLVED SOLIDS						Analyst: **KS**	
Total Dissolved Solids	5240	100	*	mg/L	1	7/2/2015 8:03:00 AM	20033
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **RAA**	
Gasoline Range Organics (GRO)	0.40	0.050		mg/L	1	6/30/2015 3:20:50 AM	R27159
Surr: BFB	89.0	70-130		%REC	1	6/30/2015 3:20:50 AM	R27159
EPA METHOD 8015M/D: DIESEL RANGE						Analyst: **KJH**	
Diesel Range Organics (DRO)	ND	1.0		mg/L	1	6/30/2015 3:00:21 PM	19999
Motor Oil Range Organics (MRO)	ND	5.0		mg/L	1	6/30/2015 3:00:21 PM	19999
Surr: DNOP	108	76.5-150		%REC	1	6/30/2015 3:00:21 PM	19999
EPA METHOD 8260B: VOLATILES						Analyst: **RAA**	
Benzene	ND	1.0		µg/L	1	6/30/2015 3:20:50 AM	R27159
Toluene	ND	1.0		µg/L	1	6/30/2015 3:20:50 AM	R27159
Ethylbenzene	ND	1.0		µg/L	1	6/30/2015 3:20:50 AM	R27159
Methyl tert-butyl ether (MTBE)	320	10		µg/L	10	6/30/2015 3:48:13 PM	R27212
Naphthalene	ND	2.0		µg/L	1	6/30/2015 3:20:50 AM	R27159
1-Methylnaphthalene	ND	4.0		µg/L	1	6/30/2015 3:20:50 AM	R27159
2-Methylnaphthalene	ND	4.0		µg/L	1	6/30/2015 3:20:50 AM	R27159
Xylenes, Total	ND	1.5		µg/L	1	6/30/2015 3:20:50 AM	R27159
Surr: 1,2-Dichloroethane-d4	94.4	70-130		%REC	1	6/30/2015 3:20:50 AM	R27159
Surr: 4-Bromofluorobenzene	88.7	70-130		%REC	1	6/30/2015 3:20:50 AM	R27159
Surr: Dibromofluoromethane	93.3	70-130		%REC	1	6/30/2015 3:20:50 AM	R27159
Surr: Toluene-d8	101	70-130		%REC	1	6/30/2015 3:20:50 AM	R27159

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
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
O	RSD is greater than RSDlimit	P	Sample pH Not In Range
R	RPD outside accepted recovery limits	RL	Reporting Detection Limit
S	Spike Recovery outside accepted recovery limits		

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Animas Environmental
Project: Thriftway #810
Lab ID: 1506C78-008 **Matrix:** AQUEOUS

Client Sample ID: TW-52
Collection Date: 6/24/2015 2:40:00 PM
Received Date: 6/26/2015 7:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analyst: **LGT**	
Chloride	280	50	*	mg/L	100	6/26/2015 7:47:24 PM	R27150
Sulfate	4500	50	*	mg/L	100	6/26/2015 7:47:24 PM	R27150
SM2540C MOD: TOTAL DISSOLVED SOLIDS						Analyst: **KS**	
Total Dissolved Solids	6430	200	*	mg/L	1	7/2/2015 8:03:00 AM	20033
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **RAA**	
Gasoline Range Organics (GRO)	0.15	0.050		mg/L	1	6/30/2015 3:48:12 AM	R27159
Surr: BFB	89.5	70-130		%REC	1	6/30/2015 3:48:12 AM	R27159
EPA METHOD 8015M/D: DIESEL RANGE						Analyst: **KJH**	
Diesel Range Organics (DRO)	ND	1.0		mg/L	1	6/30/2015 6:43:46 AM	19999
Motor Oil Range Organics (MRO)	ND	5.0		mg/L	1	6/30/2015 6:43:46 AM	19999
Surr: DNOP	111	76.5-150		%REC	1	6/30/2015 6:43:46 AM	19999
EPA METHOD 8260B: VOLATILES						Analyst: **RAA**	
Benzene	ND	1.0		µg/L	1	6/30/2015 3:48:12 AM	R27159
Toluene	ND	1.0		µg/L	1	6/30/2015 3:48:12 AM	R27159
Ethylbenzene	ND	1.0		µg/L	1	6/30/2015 3:48:12 AM	R27159
Methyl tert-butyl ether (MTBE)	64	1.0		µg/L	1	6/30/2015 3:48:12 AM	R27159
Naphthalene	ND	2.0		µg/L	1	6/30/2015 3:48:12 AM	R27159
1-Methylnaphthalene	ND	4.0		µg/L	1	6/30/2015 3:48:12 AM	R27159
2-Methylnaphthalene	ND	4.0		µg/L	1	6/30/2015 3:48:12 AM	R27159
Xylenes, Total	ND	1.5		µg/L	1	6/30/2015 3:48:12 AM	R27159
Surr: 1,2-Dichloroethane-d4	97.8	70-130		%REC	1	6/30/2015 3:48:12 AM	R27159
Surr: 4-Bromofluorobenzene	94.7	70-130		%REC	1	6/30/2015 3:48:12 AM	R27159
Surr: Dibromofluoromethane	95.4	70-130		%REC	1	6/30/2015 3:48:12 AM	R27159
Surr: Toluene-d8	97.2	70-130		%REC	1	6/30/2015 3:48:12 AM	R27159

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
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
O	RSD is greater than RSDlimit	P	Sample pH Not In Range
R	RPD outside accepted recovery limits	RL	Reporting Detection Limit
S	Spike Recovery outside accepted recovery limits		

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Animas Environmental
Project: Thriftway #810
Lab ID: 1506C78-009 **Matrix:** AQUEOUS

Client Sample ID: TW-53
Collection Date: 6/25/2015 9:25:00 AM
Received Date: 6/26/2015 7:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
SM2340B: HARDNESS						Analyst: **MED**	
Hardness (As CaCO3)	1400	6.6		mg/L	1	7/6/2015 9:32:00 AM	R27289
EPA METHOD 300.0: ANIONS						Analyst: **LGT**	
Fluoride	ND	1.0		mg/L	10	7/2/2015 10:04:21 PM	R27295
Chloride	320	50	*	mg/L	100	6/26/2015 8:12:13 PM	R27150
Bromide	1.3	1.0		mg/L	10	7/2/2015 10:04:21 PM	R27295
Sulfate	4800	50	*	mg/L	100	6/26/2015 8:12:13 PM	R27150
SM2510B: SPECIFIC CONDUCTANCE						Analyst: **JRR**	
Conductivity	8700	0.010		µmhos/cm	1	7/1/2015 1:32:11 AM	R27221
SM2540C MOD: TOTAL DISSOLVED SOLIDS						Analyst: **KS**	
Total Dissolved Solids	6440	200	*	mg/L	1	7/2/2015 8:03:00 AM	20033
EPA METHOD 7470: MERCURY						Analyst: **JLF**	
Mercury	ND	0.00020		mg/L	1	7/1/2015 1:03:01 PM	20050
EPA METHOD 6010B: DISSOLVED METALS						Analyst: **MED**	
Calcium	410	10		mg/L	10	7/6/2015 11:09:09 AM	R27289
Magnesium	90	1.0		mg/L	1	7/6/2015 10:14:10 AM	R27289
Potassium	7.1	1.0		mg/L	1	7/6/2015 10:14:10 AM	R27289
Sodium	1800	50		mg/L	50	7/6/2015 11:10:35 AM	R27289
EPA 6010B: TOTAL RECOVERABLE METALS						Analyst: **MED**	
Arsenic	0.21	0.020		mg/L	1	7/7/2015 11:26:01 AM	19986
Barium	0.23	0.020		mg/L	1	7/7/2015 11:26:01 AM	19986
Cadmium	ND	0.0020		mg/L	1	7/7/2015 11:26:01 AM	19986
Chromium	ND	0.0060		mg/L	1	7/7/2015 11:26:01 AM	19986
Lead	ND	0.0050		mg/L	1	7/7/2015 11:26:01 AM	19986
Selenium	ND	0.050		mg/L	1	7/7/2015 11:26:01 AM	19986
Silver	ND	0.0050		mg/L	1	7/7/2015 11:26:01 AM	19986
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **RAA**	
Gasoline Range Organics (GRO)	ND	0.050		mg/L	1	6/30/2015 5:10:49 AM	R27159
Surr: BFB	92.3	70-130		%REC	1	6/30/2015 5:10:49 AM	R27159
EPA METHOD 8015M/D: DIESEL RANGE						Analyst: **KJH**	
Diesel Range Organics (DRO)	ND	1.0		mg/L	1	6/30/2015 3:44:09 PM	19999
Motor Oil Range Organics (MRO)	ND	5.0		mg/L	1	6/30/2015 3:44:09 PM	19999
Surr: DNOP	111	76.5-150		%REC	1	6/30/2015 3:44:09 PM	19999
EPA METHOD 8260B: VOLATILES						Analyst: **RAA**	
Benzene	ND	1.0		µg/L	1	6/30/2015 5:10:49 AM	R27159
Toluene	ND	1.0		µg/L	1	6/30/2015 5:10:49 AM	R27159

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
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
O	RSD is greater than RSDlimit	P	Sample pH Not In Range
R	RPD outside accepted recovery limits	RL	Reporting Detection Limit
S	Spike Recovery outside accepted recovery limits		

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Animas Environmental
Project: Thriftway #810
Lab ID: 1506C78-009
Matrix: AQUEOUS
Client Sample ID: TW-53
Collection Date: 6/25/2015 9:25:00 AM
Received Date: 6/26/2015 7:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8260B: VOLATILES						Analyst: **RAA**	
Ethylbenzene	ND	1.0		µg/L	1	6/30/2015 5:10:49 AM	R27159
Methyl tert-butyl ether (MTBE)	6.8	1.0		µg/L	1	6/30/2015 5:10:49 AM	R27159
Naphthalene	ND	2.0		µg/L	1	6/30/2015 5:10:49 AM	R27159
1-Methylnaphthalene	ND	4.0		µg/L	1	6/30/2015 5:10:49 AM	R27159
2-Methylnaphthalene	ND	4.0		µg/L	1	6/30/2015 5:10:49 AM	R27159
Xylenes, Total	ND	1.5		µg/L	1	6/30/2015 5:10:49 AM	R27159
Surr: 1,2-Dichloroethane-d4	97.6	70-130		%REC	1	6/30/2015 5:10:49 AM	R27159
Surr: 4-Bromofluorobenzene	96.8	70-130		%REC	1	6/30/2015 5:10:49 AM	R27159
Surr: Dibromofluoromethane	101	70-130		%REC	1	6/30/2015 5:10:49 AM	R27159
Surr: Toluene-d8	100	70-130		%REC	1	6/30/2015 5:10:49 AM	R27159

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
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
O	RSD is greater than RSDlimit	P	Sample pH Not In Range
R	RPD outside accepted recovery limits	RL	Reporting Detection Limit
S	Spike Recovery outside accepted recovery limits		

Analytical Report
Lab Order **1506C78**
Date Reported: **7/17/2015**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Animas Environmental
Project: Thriftway #810
Lab ID: 1506C78-010
Matrix: AQUEOUS
Client Sample ID: TW-54
Collection Date: 6/25/2015 9:55:00 AM
Received Date: 6/26/2015 7:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
SM2340B: HARDNESS						Analyst: **MED**	
Hardness (As CaCO3)	990	6.6		mg/L	1	7/6/2015 9:32:00 AM	R27289
EPA METHOD 300.0: ANIONS						Analyst: **LGT**	
Fluoride	ND	1.0		mg/L	10	6/26/2015 8:24:37 PM	R27150
Chloride	150	5.0		mg/L	10	6/26/2015 8:24:37 PM	R27150
Bromide	ND	1.0		mg/L	10	6/26/2015 8:24:37 PM	R27150
Sulfate	2900	50	*	mg/L	100	6/26/2015 8:37:02 PM	R27150
SM2510B: SPECIFIC CONDUCTANCE						Analyst: **JRR**	
Conductivity	5600	0.010		µmhos/cm	1	7/1/2015 1:36:19 AM	R27221
SM2540C MOD: TOTAL DISSOLVED SOLIDS						Analyst: **KS**	
Total Dissolved Solids	4540	100	*	mg/L	1	7/2/2015 8:03:00 AM	20033
EPA METHOD 7470: MERCURY						Analyst: **JLF**	
Mercury	ND	0.00020		mg/L	1	7/1/2015 1:09:05 PM	20050
EPA METHOD 6010B: DISSOLVED METALS						Analyst: **MED**	
Calcium	330	20		mg/L	20	7/6/2015 11:11:58 AM	R27289
Magnesium	41	1.0		mg/L	1	7/6/2015 10:15:32 AM	R27289
Potassium	6.8	1.0		mg/L	1	7/6/2015 10:15:32 AM	R27289
Sodium	1200	20		mg/L	20	7/6/2015 11:11:58 AM	R27289
EPA 6010B: TOTAL RECOVERABLE METALS						Analyst: **MED**	
Arsenic	0.52	0.020		mg/L	1	7/7/2015 11:27:37 AM	19986
Barium	0.11	0.020		mg/L	1	7/7/2015 11:27:37 AM	19986
Cadmium	ND	0.0020		mg/L	1	7/7/2015 11:27:37 AM	19986
Chromium	ND	0.0060		mg/L	1	7/7/2015 11:27:37 AM	19986
Lead	ND	0.0050		mg/L	1	7/7/2015 11:27:37 AM	19986
Selenium	ND	0.050		mg/L	1	7/7/2015 11:27:37 AM	19986
Silver	ND	0.0050		mg/L	1	7/7/2015 11:27:37 AM	19986
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **RAA**	
Gasoline Range Organics (GRO)	ND	0.050		mg/L	1	6/30/2015 5:38:22 AM	R27159
Surr: BFB	89.8	70-130		%REC	1	6/30/2015 5:38:22 AM	R27159
EPA METHOD 8015M/D: DIESEL RANGE						Analyst: **KJH**	
Diesel Range Organics (DRO)	ND	1.0		mg/L	1	6/30/2015 4:05:36 PM	19999
Motor Oil Range Organics (MRO)	ND	5.0		mg/L	1	6/30/2015 4:05:36 PM	19999
Surr: DNOP	105	76.5-150		%REC	1	6/30/2015 4:05:36 PM	19999
EPA METHOD 8260B: VOLATILES						Analyst: **RAA**	
Benzene	ND	1.0		µg/L	1	6/30/2015 5:38:22 AM	R27159
Toluene	ND	1.0		µg/L	1	6/30/2015 5:38:22 AM	R27159

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
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
O	RSD is greater than RSDlimit	P	Sample pH Not In Range
R	RPD outside accepted recovery limits	RL	Reporting Detection Limit
S	Spike Recovery outside accepted recovery limits		

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Animas Environmental
Project: Thriftway #810
Lab ID: 1506C78-010 **Matrix:** AQUEOUS

Client Sample ID: TW-54
Collection Date: 6/25/2015 9:55:00 AM
Received Date: 6/26/2015 7:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8260B: VOLATILES						Analyst: **RAA**	
Ethylbenzene	ND	1.0		µg/L	1	6/30/2015 5:38:22 AM	R27159
Methyl tert-butyl ether (MTBE)	18	1.0		µg/L	1	6/30/2015 5:38:22 AM	R27159
Naphthalene	ND	2.0		µg/L	1	6/30/2015 5:38:22 AM	R27159
1-Methylnaphthalene	ND	4.0		µg/L	1	6/30/2015 5:38:22 AM	R27159
2-Methylnaphthalene	ND	4.0		µg/L	1	6/30/2015 5:38:22 AM	R27159
Xylenes, Total	ND	1.5		µg/L	1	6/30/2015 5:38:22 AM	R27159
Surr: 1,2-Dichloroethane-d4	96.4	70-130		%REC	1	6/30/2015 5:38:22 AM	R27159
Surr: 4-Bromofluorobenzene	91.8	70-130		%REC	1	6/30/2015 5:38:22 AM	R27159
Surr: Dibromofluoromethane	97.0	70-130		%REC	1	6/30/2015 5:38:22 AM	R27159
Surr: Toluene-d8	98.8	70-130		%REC	1	6/30/2015 5:38:22 AM	R27159

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
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
O	RSD is greater than RSDlimit	P	Sample pH Not In Range
R	RPD outside accepted recovery limits	RL	Reporting Detection Limit
S	Spike Recovery outside accepted recovery limits		

Analytical Report
Lab Order **1506C78**
Date Reported: **7/17/2015**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Animas Environmental
Client Sample ID: MW-5
Project: Thriftway #810
Collection Date: 6/25/2015 11:25:00 AM
Lab ID: 1506C78-011
Matrix: AQUEOUS
Received Date: 6/26/2015 7:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
SM2340B: HARDNESS						Analyst: **MED**	
Hardness (As CaCO3)	1000	6.6		mg/L	1	7/7/2015 10:35:00 AM	R27327
EPA METHOD 300.0: ANIONS						Analyst: **LGT**	
Fluoride	ND	1.0		mg/L	10	6/26/2015 8:49:26 PM	R27150
Chloride	240	50		mg/L	100	6/26/2015 9:01:51 PM	R27150
Bromide	ND	1.0		mg/L	10	6/26/2015 8:49:26 PM	R27150
Sulfate	2000	50	*	mg/L	100	6/26/2015 9:01:51 PM	R27150
SM2510B: SPECIFIC CONDUCTANCE						Analyst: **JRR**	
Conductivity	5800	0.010		µmhos/cm	1	7/1/2015 1:40:29 AM	R27221
SM2540C MOD: TOTAL DISSOLVED SOLIDS						Analyst: **KS**	
Total Dissolved Solids	4260	200	*	mg/L	1	7/2/2015 8:03:00 AM	20033
EPA METHOD 7470: MERCURY						Analyst: **JLF**	
Mercury	ND	0.00020		mg/L	1	7/1/2015 1:11:06 PM	20050
EPA METHOD 6010B: DISSOLVED METALS						Analyst: **MED**	
Calcium	320	20		mg/L	20	7/7/2015 11:38:40 AM	R27327
Magnesium	50	1.0		mg/L	1	7/6/2015 10:16:53 AM	R27289
Potassium	6.0	1.0		mg/L	1	7/6/2015 10:16:53 AM	R27289
Sodium	1100	20		mg/L	20	7/7/2015 11:38:40 AM	R27327
EPA 6010B: TOTAL RECOVERABLE METALS						Analyst: **MED**	
Arsenic	0.052	0.020		mg/L	1	7/7/2015 11:29:10 AM	19986
Barium	1.1	0.040		mg/L	2	7/13/2015 2:12:17 PM	19986
Cadmium	ND	0.0020		mg/L	1	7/7/2015 11:29:10 AM	19986
Chromium	0.013	0.0060		mg/L	1	7/7/2015 11:29:10 AM	19986
Lead	0.022	0.0050		mg/L	1	7/9/2015 11:08:42 AM	19986
Selenium	ND	0.050		mg/L	1	7/7/2015 11:29:10 AM	19986
Silver	ND	0.0050		mg/L	1	7/7/2015 11:29:10 AM	19986
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **RAA**	
Gasoline Range Organics (GRO)	0.13	0.050		mg/L	1	6/30/2015 6:06:34 AM	R27159
Surr: BFB	90.8	70-130		%REC	1	6/30/2015 6:06:34 AM	R27159
EPA METHOD 8015M/D: DIESEL RANGE						Analyst: **KJH**	
Diesel Range Organics (DRO)	ND	1.0		mg/L	1	6/30/2015 7:10:33 AM	19999
Motor Oil Range Organics (MRO)	ND	5.0		mg/L	1	6/30/2015 7:10:33 AM	19999
Surr: DNOP	112	76.5-150		%REC	1	6/30/2015 7:10:33 AM	19999
EPA METHOD 8260B: VOLATILES						Analyst: **RAA**	
Benzene	ND	1.0		µg/L	1	6/30/2015 6:06:34 AM	R27159
Toluene	ND	1.0		µg/L	1	6/30/2015 6:06:34 AM	R27159

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
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
O	RSD is greater than RSDlimit	P	Sample pH Not In Range
R	RPD outside accepted recovery limits	RL	Reporting Detection Limit
S	Spike Recovery outside accepted recovery limits		

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Animas Environmental
Project: Thriftway #810
Lab ID: 1506C78-011 **Matrix:** AQUEOUS

Client Sample ID: MW-5
Collection Date: 6/25/2015 11:25:00 AM
Received Date: 6/26/2015 7:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8260B: VOLATILES						Analyst: **RAA**	
Ethylbenzene	ND	1.0		µg/L	1	6/30/2015 6:06:34 AM	R27159
Methyl tert-butyl ether (MTBE)	39	1.0		µg/L	1	6/30/2015 6:06:34 AM	R27159
Naphthalene	ND	2.0		µg/L	1	6/30/2015 6:06:34 AM	R27159
1-Methylnaphthalene	ND	4.0		µg/L	1	6/30/2015 6:06:34 AM	R27159
2-Methylnaphthalene	ND	4.0		µg/L	1	6/30/2015 6:06:34 AM	R27159
Xylenes, Total	ND	1.5		µg/L	1	6/30/2015 6:06:34 AM	R27159
Surr: 1,2-Dichloroethane-d4	93.5	70-130		%REC	1	6/30/2015 6:06:34 AM	R27159
Surr: 4-Bromofluorobenzene	94.8	70-130		%REC	1	6/30/2015 6:06:34 AM	R27159
Surr: Dibromofluoromethane	97.4	70-130		%REC	1	6/30/2015 6:06:34 AM	R27159
Surr: Toluene-d8	101	70-130		%REC	1	6/30/2015 6:06:34 AM	R27159

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
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
O	RSD is greater than RSDlimit	P	Sample pH Not In Range
R	RPD outside accepted recovery limits	RL	Reporting Detection Limit
S	Spike Recovery outside accepted recovery limits		

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Animas Environmental
Project: Thriftway #810
Lab ID: 1506C78-012 **Matrix:** AQUEOUS

Client Sample ID: MW-7
Collection Date: 6/25/2015 11:46:00 AM
Received Date: 6/26/2015 7:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **RAA**	
Gasoline Range Organics (GRO)	0.11	0.050		mg/L	1	6/30/2015 7:01:42 AM	R27159
Surr: BFB	95.8	70-130		%REC	1	6/30/2015 7:01:42 AM	R27159
EPA METHOD 8015M/D: DIESEL RANGE						Analyst: **KJH**	
Diesel Range Organics (DRO)	ND	1.0		mg/L	1	6/30/2015 7:37:16 AM	19999
Motor Oil Range Organics (MRO)	ND	5.0		mg/L	1	6/30/2015 7:37:16 AM	19999
Surr: DNOP	100	76.5-150		%REC	1	6/30/2015 7:37:16 AM	19999
EPA METHOD 8260B: VOLATILES						Analyst: **RAA**	
Benzene	1.4	1.0		µg/L	1	6/30/2015 7:01:42 AM	R27159
Toluene	ND	1.0		µg/L	1	6/30/2015 7:01:42 AM	R27159
Ethylbenzene	ND	1.0		µg/L	1	6/30/2015 7:01:42 AM	R27159
Methyl tert-butyl ether (MTBE)	15	1.0		µg/L	1	6/30/2015 7:01:42 AM	R27159
Naphthalene	ND	2.0		µg/L	1	6/30/2015 7:01:42 AM	R27159
1-Methylnaphthalene	ND	4.0		µg/L	1	6/30/2015 7:01:42 AM	R27159
2-Methylnaphthalene	ND	4.0		µg/L	1	6/30/2015 7:01:42 AM	R27159
Xylenes, Total	ND	1.5		µg/L	1	6/30/2015 7:01:42 AM	R27159
Surr: 1,2-Dichloroethane-d4	95.5	70-130		%REC	1	6/30/2015 7:01:42 AM	R27159
Surr: 4-Bromofluorobenzene	95.3	70-130		%REC	1	6/30/2015 7:01:42 AM	R27159
Surr: Dibromofluoromethane	99.8	70-130		%REC	1	6/30/2015 7:01:42 AM	R27159
Surr: Toluene-d8	97.9	70-130		%REC	1	6/30/2015 7:01:42 AM	R27159

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
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
O	RSD is greater than RSDlimit	P	Sample pH Not In Range
R	RPD outside accepted recovery limits	RL	Reporting Detection Limit
S	Spike Recovery outside accepted recovery limits		

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Animas Environmental
Project: Thriftway #810
Lab ID: 1506C78-013 **Matrix:** AQUEOUS

Client Sample ID: MW-20
Collection Date: 6/24/2015 1:07:00 PM
Received Date: 6/26/2015 7:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analyst: **LGT**	
Chloride	580	50	*	mg/L	100	6/26/2015 9:26:40 PM	R27150
Sulfate	2500	50	*	mg/L	100	6/26/2015 9:26:40 PM	R27150
SM2540C MOD: TOTAL DISSOLVED SOLIDS						Analyst: **KS**	
Total Dissolved Solids	5290	200	*	mg/L	1	7/2/2015 8:03:00 AM	20033
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **RAA**	
Gasoline Range Organics (GRO)	0.91	0.050		mg/L	1	6/30/2015 7:29:15 AM	R27159
Surr: BFB	97.2	70-130		%REC	1	6/30/2015 7:29:15 AM	R27159
EPA METHOD 8015M/D: DIESEL RANGE						Analyst: **KJH**	
Diesel Range Organics (DRO)	ND	1.0		mg/L	1	6/30/2015 4:27:11 PM	19999
Motor Oil Range Organics (MRO)	ND	5.0		mg/L	1	6/30/2015 4:27:11 PM	19999
Surr: DNOP	109	76.5-150		%REC	1	6/30/2015 4:27:11 PM	19999
EPA METHOD 8260B: VOLATILES						Analyst: **RAA**	
Benzene	ND	1.0		µg/L	1	6/30/2015 7:29:15 AM	R27159
Toluene	ND	1.0		µg/L	1	6/30/2015 7:29:15 AM	R27159
Ethylbenzene	ND	1.0		µg/L	1	6/30/2015 7:29:15 AM	R27159
Methyl tert-butyl ether (MTBE)	130	1.0		µg/L	1	6/30/2015 7:29:15 AM	R27159
Naphthalene	ND	2.0		µg/L	1	6/30/2015 7:29:15 AM	R27159
1-Methylnaphthalene	ND	4.0		µg/L	1	6/30/2015 7:29:15 AM	R27159
2-Methylnaphthalene	ND	4.0		µg/L	1	6/30/2015 7:29:15 AM	R27159
Xylenes, Total	ND	1.5		µg/L	1	6/30/2015 7:29:15 AM	R27159
Surr: 1,2-Dichloroethane-d4	95.5	70-130		%REC	1	6/30/2015 7:29:15 AM	R27159
Surr: 4-Bromofluorobenzene	96.5	70-130		%REC	1	6/30/2015 7:29:15 AM	R27159
Surr: Dibromofluoromethane	97.1	70-130		%REC	1	6/30/2015 7:29:15 AM	R27159
Surr: Toluene-d8	97.7	70-130		%REC	1	6/30/2015 7:29:15 AM	R27159

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
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
O	RSD is greater than RSDlimit	P	Sample pH Not In Range
R	RPD outside accepted recovery limits	RL	Reporting Detection Limit
S	Spike Recovery outside accepted recovery limits		

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Animas Environmental
Project: Thriftway #810
Lab ID: 1506C78-014 **Matrix:** AQUEOUS

Client Sample ID: MW-21
Collection Date: 6/24/2015 1:41:00 PM
Received Date: 6/26/2015 7:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analyst: **LGT**	
Chloride	830	50	*	mg/L	100	6/26/2015 10:16:19 PM	R27150
Sulfate	2300	50	*	mg/L	100	6/26/2015 10:16:19 PM	R27150
SM2540C MOD: TOTAL DISSOLVED SOLIDS						Analyst: **KS**	
Total Dissolved Solids	5040	100	*	mg/L	1	7/2/2015 8:03:00 AM	20033
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **RAA**	
Gasoline Range Organics (GRO)	0.11	0.050		mg/L	1	6/30/2015 7:56:47 AM	R27159
Surr: BFB	96.7	70-130		%REC	1	6/30/2015 7:56:47 AM	R27159
EPA METHOD 8015M/D: DIESEL RANGE						Analyst: **KJH**	
Diesel Range Organics (DRO)	ND	1.0		mg/L	1	6/30/2015 4:48:40 PM	19999
Motor Oil Range Organics (MRO)	ND	5.0		mg/L	1	6/30/2015 4:48:40 PM	19999
Surr: DNOP	105	76.5-150		%REC	1	6/30/2015 4:48:40 PM	19999
EPA METHOD 8260B: VOLATILES						Analyst: **RAA**	
Benzene	ND	1.0		µg/L	1	6/30/2015 7:56:47 AM	R27159
Toluene	ND	1.0		µg/L	1	6/30/2015 7:56:47 AM	R27159
Ethylbenzene	ND	1.0		µg/L	1	6/30/2015 7:56:47 AM	R27159
Methyl tert-butyl ether (MTBE)	67	1.0		µg/L	1	6/30/2015 7:56:47 AM	R27159
Naphthalene	ND	2.0		µg/L	1	6/30/2015 7:56:47 AM	R27159
1-Methylnaphthalene	ND	4.0		µg/L	1	6/30/2015 7:56:47 AM	R27159
2-Methylnaphthalene	ND	4.0		µg/L	1	6/30/2015 7:56:47 AM	R27159
Xylenes, Total	ND	1.5		µg/L	1	6/30/2015 7:56:47 AM	R27159
Surr: 1,2-Dichloroethane-d4	99.6	70-130		%REC	1	6/30/2015 7:56:47 AM	R27159
Surr: 4-Bromofluorobenzene	95.9	70-130		%REC	1	6/30/2015 7:56:47 AM	R27159
Surr: Dibromofluoromethane	101	70-130		%REC	1	6/30/2015 7:56:47 AM	R27159
Surr: Toluene-d8	101	70-130		%REC	1	6/30/2015 7:56:47 AM	R27159

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
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
O	RSD is greater than RSDlimit	P	Sample pH Not In Range
R	RPD outside accepted recovery limits	RL	Reporting Detection Limit
S	Spike Recovery outside accepted recovery limits		

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Animas Environmental
Client Sample ID: TW-36
Project: Thriftway #810
Collection Date: 6/24/2015 9:37:00 AM
Lab ID: 1506C78-015
Matrix: AQUEOUS
Received Date: 6/26/2015 7:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **RAA**	
Gasoline Range Organics (GRO)	0.31	0.10		mg/L	2	6/30/2015 4:15:54 PM	R27212
Surr: BFB	100	70-130		%REC	2	6/30/2015 4:15:54 PM	R27212
EPA METHOD 8015M/D: DIESEL RANGE						Analyst: **KJH**	
Diesel Range Organics (DRO)	2.1	1.0		mg/L	1	6/30/2015 5:10:10 PM	19999
Motor Oil Range Organics (MRO)	ND	5.0		mg/L	1	6/30/2015 5:10:10 PM	19999
Surr: DNOP	110	76.5-150		%REC	1	6/30/2015 5:10:10 PM	19999
EPA METHOD 8260B: VOLATILES						Analyst: **RAA**	
Benzene	ND	2.0		µg/L	2	6/30/2015 4:15:54 PM	R27212
Toluene	ND	2.0		µg/L	2	6/30/2015 4:15:54 PM	R27212
Ethylbenzene	ND	2.0		µg/L	2	6/30/2015 4:15:54 PM	R27212
Methyl tert-butyl ether (MTBE)	ND	2.0		µg/L	2	6/30/2015 4:15:54 PM	R27212
Naphthalene	ND	4.0		µg/L	2	6/30/2015 4:15:54 PM	R27212
1-Methylnaphthalene	ND	8.0		µg/L	2	6/30/2015 4:15:54 PM	R27212
2-Methylnaphthalene	ND	8.0		µg/L	2	6/30/2015 4:15:54 PM	R27212
Xylenes, Total	ND	3.0		µg/L	2	6/30/2015 4:15:54 PM	R27212
Surr: 1,2-Dichloroethane-d4	107	70-130		%REC	2	6/30/2015 4:15:54 PM	R27212
Surr: 4-Bromofluorobenzene	98.5	70-130		%REC	2	6/30/2015 4:15:54 PM	R27212
Surr: Dibromofluoromethane	112	70-130		%REC	2	6/30/2015 4:15:54 PM	R27212
Surr: Toluene-d8	98.7	70-130		%REC	2	6/30/2015 4:15:54 PM	R27212

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
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
O	RSD is greater than RSDlimit	P	Sample pH Not In Range
R	RPD outside accepted recovery limits	RL	Reporting Detection Limit
S	Spike Recovery outside accepted recovery limits		

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Animas Environmental
Project: Thriftway #810
Lab ID: 1506C78-016 **Matrix:** AQUEOUS

Client Sample ID: TW-37
Collection Date: 6/24/2015 10:05:00 AM
Received Date: 6/26/2015 7:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analyst: **LGT**	
Chloride	190	5.0		mg/L	10	6/26/2015 10:28:44 PM	R27150
Sulfate	1100	50	*	mg/L	100	6/26/2015 10:41:09 PM	R27150
SM2540C MOD: TOTAL DISSOLVED SOLIDS						Analyst: **KS**	
Total Dissolved Solids	3000	200	*	mg/L	1	7/2/2015 8:03:00 AM	20033
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **RAA**	
Gasoline Range Organics (GRO)	2.7	0.50		mg/L	10	6/30/2015 8:51:47 AM	R27159
Surr: BFB	92.1	70-130		%REC	10	6/30/2015 8:51:47 AM	R27159
EPA METHOD 8015M/D: DIESEL RANGE						Analyst: **KJH**	
Diesel Range Organics (DRO)	3.4	1.0		mg/L	1	6/30/2015 5:31:35 PM	19999
Motor Oil Range Organics (MRO)	ND	5.0		mg/L	1	6/30/2015 5:31:35 PM	19999
Surr: DNOP	102	76.5-150		%REC	1	6/30/2015 5:31:35 PM	19999
EPA METHOD 8260B: VOLATILES						Analyst: **RAA**	
Benzene	270	10		µg/L	10	6/30/2015 8:51:47 AM	R27159
Toluene	ND	10		µg/L	10	6/30/2015 8:51:47 AM	R27159
Ethylbenzene	140	10		µg/L	10	6/30/2015 8:51:47 AM	R27159
Methyl tert-butyl ether (MTBE)	70	10		µg/L	10	6/30/2015 8:51:47 AM	R27159
Naphthalene	ND	20		µg/L	10	6/30/2015 8:51:47 AM	R27159
1-Methylnaphthalene	ND	40		µg/L	10	6/30/2015 8:51:47 AM	R27159
2-Methylnaphthalene	ND	40		µg/L	10	6/30/2015 8:51:47 AM	R27159
Xylenes, Total	62	15		µg/L	10	6/30/2015 8:51:47 AM	R27159
Surr: 1,2-Dichloroethane-d4	97.6	70-130		%REC	10	6/30/2015 8:51:47 AM	R27159
Surr: 4-Bromofluorobenzene	94.2	70-130		%REC	10	6/30/2015 8:51:47 AM	R27159
Surr: Dibromofluoromethane	96.6	70-130		%REC	10	6/30/2015 8:51:47 AM	R27159
Surr: Toluene-d8	93.8	70-130		%REC	10	6/30/2015 8:51:47 AM	R27159

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
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
O	RSD is greater than RSDlimit	P	Sample pH Not In Range
R	RPD outside accepted recovery limits	RL	Reporting Detection Limit
S	Spike Recovery outside accepted recovery limits		

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Animas Environmental
Project: Thriftway #810
Lab ID: 1506C78-017 **Matrix:** AQUEOUS

Client Sample ID: TW-38
Collection Date: 6/24/2015 10:22:00 AM
Received Date: 6/26/2015 7:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **RAA**	
Gasoline Range Organics (GRO)	1.5	0.50		mg/L	10	6/30/2015 9:19:16 AM	R27159
Surr: BFB	96.5	70-130		%REC	10	6/30/2015 9:19:16 AM	R27159
EPA METHOD 8015M/D: DIESEL RANGE						Analyst: **KJH**	
Diesel Range Organics (DRO)	4.0	1.0		mg/L	1	6/30/2015 5:53:06 PM	19999
Motor Oil Range Organics (MRO)	ND	5.0		mg/L	1	6/30/2015 5:53:06 PM	19999
Surr: DNOP	114	76.5-150		%REC	1	6/30/2015 5:53:06 PM	19999
EPA METHOD 8260B: VOLATILES						Analyst: **RAA**	
Benzene	11	10		µg/L	10	6/30/2015 9:19:16 AM	R27159
Toluene	ND	10		µg/L	10	6/30/2015 9:19:16 AM	R27159
Ethylbenzene	ND	10		µg/L	10	6/30/2015 9:19:16 AM	R27159
Methyl tert-butyl ether (MTBE)	59	10		µg/L	10	6/30/2015 9:19:16 AM	R27159
Naphthalene	ND	20		µg/L	10	6/30/2015 9:19:16 AM	R27159
1-Methylnaphthalene	ND	40		µg/L	10	6/30/2015 9:19:16 AM	R27159
2-Methylnaphthalene	ND	40		µg/L	10	6/30/2015 9:19:16 AM	R27159
Xylenes, Total	48	15		µg/L	10	6/30/2015 9:19:16 AM	R27159
Surr: 1,2-Dichloroethane-d4	105	70-130		%REC	10	6/30/2015 9:19:16 AM	R27159
Surr: 4-Bromofluorobenzene	98.4	70-130		%REC	10	6/30/2015 9:19:16 AM	R27159
Surr: Dibromofluoromethane	104	70-130		%REC	10	6/30/2015 9:19:16 AM	R27159
Surr: Toluene-d8	98.3	70-130		%REC	10	6/30/2015 9:19:16 AM	R27159

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
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
O	RSD is greater than RSDlimit	P	Sample pH Not In Range
R	RPD outside accepted recovery limits	RL	Reporting Detection Limit
S	Spike Recovery outside accepted recovery limits		

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Animas Environmental
Project: Thriftway #810
Lab ID: 1506C78-018 **Matrix:** AQUEOUS

Client Sample ID: TW-39
Collection Date: 6/24/2015 10:39:00 AM
Received Date: 6/26/2015 7:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8015D: GASOLINE RANGE							Analyst: **RAA**
Gasoline Range Organics (GRO)	0.41	0.050		mg/L	1	6/30/2015 4:43:36 PM	R27212
Surr: BFB	104	70-130		%REC	1	6/30/2015 4:43:36 PM	R27212
EPA METHOD 8015M/D: DIESEL RANGE							Analyst: **KJH**
Diesel Range Organics (DRO)	ND	1.0		mg/L	1	6/30/2015 6:14:33 PM	19999
Motor Oil Range Organics (MRO)	ND	5.0		mg/L	1	6/30/2015 6:14:33 PM	19999
Surr: DNOP	101	76.5-150		%REC	1	6/30/2015 6:14:33 PM	19999
EPA METHOD 8260B: VOLATILES							Analyst: **RAA**
Benzene	ND	1.0		µg/L	1	6/30/2015 4:43:36 PM	R27212
Toluene	ND	1.0		µg/L	1	6/30/2015 4:43:36 PM	R27212
Ethylbenzene	ND	1.0		µg/L	1	6/30/2015 4:43:36 PM	R27212
Methyl tert-butyl ether (MTBE)	9.8	1.0		µg/L	1	6/30/2015 4:43:36 PM	R27212
Naphthalene	ND	2.0		µg/L	1	6/30/2015 4:43:36 PM	R27212
1-Methylnaphthalene	ND	4.0		µg/L	1	6/30/2015 4:43:36 PM	R27212
2-Methylnaphthalene	ND	4.0		µg/L	1	6/30/2015 4:43:36 PM	R27212
Xylenes, Total	ND	1.5		µg/L	1	6/30/2015 4:43:36 PM	R27212
Surr: 1,2-Dichloroethane-d4	94.6	70-130		%REC	1	6/30/2015 4:43:36 PM	R27212
Surr: 4-Bromofluorobenzene	107	70-130		%REC	1	6/30/2015 4:43:36 PM	R27212
Surr: Dibromofluoromethane	101	70-130		%REC	1	6/30/2015 4:43:36 PM	R27212
Surr: Toluene-d8	100	70-130		%REC	1	6/30/2015 4:43:36 PM	R27212

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
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
O	RSD is greater than RSDlimit	P	Sample pH Not In Range
R	RPD outside accepted recovery limits	RL	Reporting Detection Limit
S	Spike Recovery outside accepted recovery limits		

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Animas Environmental
Project: Thriftway #810
Lab ID: 1506C78-019 **Matrix:** AQUEOUS

Client Sample ID: TW-41
Collection Date: 6/24/2015 11:05:00 AM
Received Date: 6/26/2015 7:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
SM2340B: HARDNESS						Analyst: **MED**	
Hardness (As CaCO3)	1500	6.6		mg/L	1	7/6/2015 9:32:00 AM	R27289
EPA METHOD 300.0: ANIONS						Analyst: **LGT**	
Fluoride	ND	1.0		mg/L	10	6/26/2015 10:53:34 PM	R27150
Chloride	570	50	*	mg/L	100	6/26/2015 11:05:59 PM	R27150
Bromide	ND	1.0		mg/L	10	6/26/2015 10:53:34 PM	R27150
Sulfate	2400	50	*	mg/L	100	6/26/2015 11:05:59 PM	R27150
SM2510B: SPECIFIC CONDUCTANCE						Analyst: **JRR**	
Conductivity	6700	0.010		µmhos/cm	1	7/1/2015 1:44:40 AM	R27221
SM2540C MOD: TOTAL DISSOLVED SOLIDS						Analyst: **KS**	
Total Dissolved Solids	5300	200	*	mg/L	1	7/2/2015 8:03:00 AM	20033
EPA METHOD 7470: MERCURY						Analyst: **JLF**	
Mercury	ND	0.00020		mg/L	1	7/1/2015 1:13:09 PM	20050
EPA METHOD 6010B: DISSOLVED METALS						Analyst: **MED**	
Calcium	460	20		mg/L	20	7/6/2015 11:07:52 AM	R27289
Magnesium	80	1.0		mg/L	1	7/6/2015 10:18:35 AM	R27289
Potassium	7.2	1.0		mg/L	1	7/6/2015 10:18:35 AM	R27289
Sodium	1200	20		mg/L	20	7/6/2015 11:07:52 AM	R27289
EPA 6010B: TOTAL RECOVERABLE METALS						Analyst: **MED**	
Arsenic	0.021	0.020		mg/L	1	7/7/2015 11:30:47 AM	19986
Barium	0.26	0.020		mg/L	1	7/7/2015 11:30:47 AM	19986
Cadmium	ND	0.0020		mg/L	1	7/7/2015 11:30:47 AM	19986
Chromium	ND	0.0060		mg/L	1	7/7/2015 11:30:47 AM	19986
Lead	ND	0.0050		mg/L	1	7/7/2015 11:30:47 AM	19986
Selenium	ND	0.050		mg/L	1	7/7/2015 11:30:47 AM	19986
Silver	ND	0.0050		mg/L	1	7/7/2015 11:30:47 AM	19986
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **RAA**	
Gasoline Range Organics (GRO)	7.3	0.25		mg/L	5	6/30/2015 6:06:37 PM	R27212
Surr: BFB	98.6	70-130		%REC	5	6/30/2015 6:06:37 PM	R27212
EPA METHOD 8015M/D: DIESEL RANGE						Analyst: **KJH**	
Diesel Range Organics (DRO)	1.2	1.0		mg/L	1	6/30/2015 6:36:08 PM	19999
Motor Oil Range Organics (MRO)	ND	5.0		mg/L	1	6/30/2015 6:36:08 PM	19999
Surr: DNOP	104	76.5-150		%REC	1	6/30/2015 6:36:08 PM	19999
EPA METHOD 8260B: VOLATILES						Analyst: **RAA**	
Benzene	68	5.0		µg/L	5	6/30/2015 6:06:37 PM	R27212
Toluene	ND	5.0		µg/L	5	6/30/2015 6:06:37 PM	R27212

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
- 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
- O RSD is greater than RSDlimit
- P Sample pH Not In Range
- R RPD outside accepted recovery limits
- RL Reporting Detection Limit
- S Spike Recovery outside accepted recovery limits

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Animas Environmental
Client Sample ID: TW-41
Project: Thriftway #810
Collection Date: 6/24/2015 11:05:00 AM
Lab ID: 1506C78-019
Matrix: AQUEOUS
Received Date: 6/26/2015 7:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8260B: VOLATILES						Analyst: **RAA**	
Ethylbenzene	460	5.0		µg/L	5	6/30/2015 6:06:37 PM	R27212
Methyl tert-butyl ether (MTBE)	11	5.0		µg/L	5	6/30/2015 6:06:37 PM	R27212
Naphthalene	ND	10		µg/L	5	6/30/2015 6:06:37 PM	R27212
1-Methylnaphthalene	30	20		µg/L	5	6/30/2015 6:06:37 PM	R27212
2-Methylnaphthalene	ND	20		µg/L	5	6/30/2015 6:06:37 PM	R27212
Xylenes, Total	1300	75		µg/L	50	7/1/2015 4:23:37 PM	R27244
Surr: 1,2-Dichloroethane-d4	102	70-130		%REC	5	6/30/2015 6:06:37 PM	R27212
Surr: 4-Bromofluorobenzene	100	70-130		%REC	5	6/30/2015 6:06:37 PM	R27212
Surr: Dibromofluoromethane	103	70-130		%REC	5	6/30/2015 6:06:37 PM	R27212
Surr: Toluene-d8	101	70-130		%REC	5	6/30/2015 6:06:37 PM	R27212

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
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
O	RSD is greater than RSDlimit	P	Sample pH Not In Range
R	RPD outside accepted recovery limits	RL	Reporting Detection Limit
S	Spike Recovery outside accepted recovery limits		

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Animas Environmental
Client Sample ID: TW-42
Project: Thriftway #810
Collection Date: 6/24/2015 11:25:00 AM
Lab ID: 1506C78-020
Matrix: AQUEOUS
Received Date: 6/26/2015 7:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **RAA**	
Gasoline Range Organics (GRO)	0.15	0.050		mg/L	1	6/30/2015 6:34:14 PM	R27212
Surr: BFB	99.0	70-130		%REC	1	6/30/2015 6:34:14 PM	R27212
EPA METHOD 8015M/D: DIESEL RANGE						Analyst: **KJH**	
Diesel Range Organics (DRO)	ND	1.0		mg/L	1	6/30/2015 6:57:31 PM	19999
Motor Oil Range Organics (MRO)	ND	5.0		mg/L	1	6/30/2015 6:57:31 PM	19999
Surr: DNOP	90.0	76.5-150		%REC	1	6/30/2015 6:57:31 PM	19999
EPA METHOD 8260B: VOLATILES						Analyst: **RAA**	
Benzene	ND	1.0		µg/L	1	6/30/2015 6:34:14 PM	R27212
Toluene	ND	1.0		µg/L	1	6/30/2015 6:34:14 PM	R27212
Ethylbenzene	ND	1.0		µg/L	1	6/30/2015 6:34:14 PM	R27212
Methyl tert-butyl ether (MTBE)	25	1.0		µg/L	1	6/30/2015 6:34:14 PM	R27212
Naphthalene	ND	2.0		µg/L	1	6/30/2015 6:34:14 PM	R27212
1-Methylnaphthalene	ND	4.0		µg/L	1	6/30/2015 6:34:14 PM	R27212
2-Methylnaphthalene	ND	4.0		µg/L	1	6/30/2015 6:34:14 PM	R27212
Xylenes, Total	ND	1.5		µg/L	1	6/30/2015 6:34:14 PM	R27212
Surr: 1,2-Dichloroethane-d4	102	70-130		%REC	1	6/30/2015 6:34:14 PM	R27212
Surr: 4-Bromofluorobenzene	102	70-130		%REC	1	6/30/2015 6:34:14 PM	R27212
Surr: Dibromofluoromethane	104	70-130		%REC	1	6/30/2015 6:34:14 PM	R27212
Surr: Toluene-d8	102	70-130		%REC	1	6/30/2015 6:34:14 PM	R27212

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
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
O	RSD is greater than RSDlimit	P	Sample pH Not In Range
R	RPD outside accepted recovery limits	RL	Reporting Detection Limit
S	Spike Recovery outside accepted recovery limits		

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Animas Environmental
Client Sample ID: Trip Blank
Project: Thriftway #810
Collection Date:
Lab ID: 1506C78-021 **Matrix:** AQUEOUS **Received Date:** 6/26/2015 7:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **RAA**	
Gasoline Range Organics (GRO)	ND	0.050		mg/L	1	7/1/2015 11:19:33 AM	R27244
Surr: BFB	98.5	70-130		%REC	1	7/1/2015 11:19:33 AM	R27244
EPA METHOD 8260B: VOLATILES						Analyst: **RAA**	
Benzene	ND	1.0		µg/L	1	6/30/2015 7:01:51 PM	R27212
Toluene	ND	1.0		µg/L	1	6/30/2015 7:01:51 PM	R27212
Ethylbenzene	ND	1.0		µg/L	1	6/30/2015 7:01:51 PM	R27212
Methyl tert-butyl ether (MTBE)	ND	1.0		µg/L	1	6/30/2015 7:01:51 PM	R27212
Naphthalene	ND	2.0		µg/L	1	6/30/2015 7:01:51 PM	R27212
1-Methylnaphthalene	ND	4.0		µg/L	1	6/30/2015 7:01:51 PM	R27212
2-Methylnaphthalene	ND	4.0		µg/L	1	6/30/2015 7:01:51 PM	R27212
Xylenes, Total	ND	1.5		µg/L	1	6/30/2015 7:01:51 PM	R27212
Surr: 1,2-Dichloroethane-d4	102	70-130		%REC	1	6/30/2015 7:01:51 PM	R27212
Surr: 4-Bromofluorobenzene	104	70-130		%REC	1	6/30/2015 7:01:51 PM	R27212
Surr: Dibromofluoromethane	108	70-130		%REC	1	6/30/2015 7:01:51 PM	R27212
Surr: Toluene-d8	97.4	70-130		%REC	1	6/30/2015 7:01:51 PM	R27212

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
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
O	RSD is greater than RSDlimit	P	Sample pH Not In Range
R	RPD outside accepted recovery limits	RL	Reporting Detection Limit
S	Spike Recovery outside accepted recovery limits		

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: **1506C78**

17-Jul-15

Client: Animas Environmental

Project: Thriftway #810

Sample ID **MB**	SampType: **MBLK**	TestCode: **EPA Method 300.0: Anions**
Client ID: **PBW**	Batch ID: **R27150**	RunNo: **27150**
Prep Date:	Analysis Date: **6/26/2015**	SeqNo: **812245** Units: **mg/L**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Fluoride	ND	0.10								
Chloride	ND	0.50								
Bromide	ND	0.10								
Sulfate	ND	0.50								

Sample ID **LCS**	SampType: **LCS**	TestCode: **EPA Method 300.0: Anions**
Client ID: **LCSW**	Batch ID: **R27150**	RunNo: **27150**
Prep Date:	Analysis Date: **6/26/2015**	SeqNo: **812246** Units: **mg/L**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Fluoride	0.55	0.10	0.5000	0	110	90	110			
Chloride	5.1	0.50	5.000	0	102	90	110			
Bromide	2.6	0.10	2.500	0	105	90	110			
Sulfate	10	0.50	10.00	0	104	90	110			

Sample ID **MB**	SampType: **MBLK**	TestCode: **EPA Method 300.0: Anions**
Client ID: **PBW**	Batch ID: **R27295**	RunNo: **27295**
Prep Date:	Analysis Date: **7/2/2015**	SeqNo: **817819** Units: **mg/L**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Fluoride	ND	0.10								
Bromide	ND	0.10								
Sulfate	ND	0.50								

Sample ID **LCS**	SampType: **LCS**	TestCode: **EPA Method 300.0: Anions**
Client ID: **LCSW**	Batch ID: **R27295**	RunNo: **27295**
Prep Date:	Analysis Date: **7/2/2015**	SeqNo: **817820** Units: **mg/L**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Fluoride	0.52	0.10	0.5000	0	104	90	110			
Bromide	2.5	0.10	2.500	0	101	90	110			
Sulfate	10	0.50	10.00	0	103	90	110			

Qualifiers:

- * Value exceeds Maximum Contaminant Level.
- E Value above quantitation range
- J Analyte detected below quantitation limits
- O RSD is greater than RSDlimit
- R RPD outside accepted recovery limits
- S Spike Recovery outside accepted recovery limits
- B Analyte detected in the associated Method Blank
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- P Sample pH Not In Range
- RL Reporting Detection Limit

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: **1506C78**

17-Jul-15

Client: Animas Environmental

Project: Thriftway #810

Sample ID **MB-19999**	SampType: **MBLK**	TestCode: **EPA Method 8015M/D: Diesel Range**
Client ID: **PBW**	Batch ID: **19999**	RunNo: **27182**
Prep Date: **6/29/2015**	Analysis Date: **6/30/2015**	SeqNo: **813704** Units: **mg/L**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	ND	1.0								
Motor Oil Range Organics (MRO)	ND	5.0								
Surr: DNOP	0.84		1.000		84.4	76.5	150			

Sample ID **LCS-19999**	SampType: **LCS**	TestCode: **EPA Method 8015M/D: Diesel Range**
Client ID: **LCSW**	Batch ID: **19999**	RunNo: **27182**
Prep Date: **6/29/2015**	Analysis Date: **6/30/2015**	SeqNo: **813705** Units: **mg/L**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	3.9	1.0	5.000	0	77.9	60.1	156			
Surr: DNOP	0.45		0.5000		89.2	76.5	150			

Sample ID **1506C78-001BMS**	SampType: **MS**	TestCode: **EPA Method 8015M/D: Diesel Range**
Client ID: **TW-43**	Batch ID: **19999**	RunNo: **27182**
Prep Date: **6/29/2015**	Analysis Date: **6/30/2015**	SeqNo: **815258** Units: **mg/L**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	4.5	1.0	5.000	0	90.2	75.9	164			
Surr: DNOP	0.52		0.5000		104	76.5	150			

Sample ID **1506C78-001BMSD**	SampType: **MSD**	TestCode: **EPA Method 8015M/D: Diesel Range**
Client ID: **TW-43**	Batch ID: **19999**	RunNo: **27182**
Prep Date: **6/29/2015**	Analysis Date: **6/30/2015**	SeqNo: **815259** Units: **mg/L**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	4.6	1.0	5.000	0	92.3	75.9	164	2.34	22.1	
Surr: DNOP	0.53		0.5000		106	76.5	150	0	0	

Qualifiers:

- * Value exceeds Maximum Contaminant Level.
- E Value above quantitation range
- J Analyte detected below quantitation limits
- O RSD is greater than RSDlimit
- R RPD outside accepted recovery limits
- S Spike Recovery outside accepted recovery limits
- B Analyte detected in the associated Method Blank
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- P Sample pH Not In Range
- RL Reporting Detection Limit

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: **1506C78**

17-Jul-15

Client: Animas Environmental

Project: Thriftway #810

Sample ID **100ng lcs**	SampType: **LCS**	TestCode: **EPA Method 8260B: VOLATILES**
Client ID: **LCSW**	Batch ID: **R27159**	RunNo: **27159**
Prep Date:	Analysis Date: **6/29/2015**	SeqNo: **812590** Units: **µg/L**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	19	1.0	20.00	0	93.8	70	130			
Toluene	20	1.0	20.00	0	101	70	130			
Surr: 1,2-Dichloroethane-d4	9.6		10.00		96.0	70	130			
Surr: 4-Bromofluorobenzene	11		10.00		106	70	130			
Surr: Dibromofluoromethane	9.8		10.00		98.2	70	130			
Surr: Toluene-d8	10		10.00		103	70	130			

Sample ID **rb1**	SampType: **MBLK**	TestCode: **EPA Method 8260B: VOLATILES**
Client ID: **PBW**	Batch ID: **R27159**	RunNo: **27159**
Prep Date:	Analysis Date: **6/29/2015**	SeqNo: **812595** 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								
Naphthalene	ND	2.0								
1-Methylnaphthalene	ND	4.0								
2-Methylnaphthalene	ND	4.0								
Xylenes, Total	ND	1.5								
Surr: 1,2-Dichloroethane-d4	9.7		10.00		97.2	70	130			
Surr: 4-Bromofluorobenzene	10		10.00		99.6	70	130			
Surr: Dibromofluoromethane	9.8		10.00		98.2	70	130			
Surr: Toluene-d8	9.9		10.00		99.1	70	130			

Sample ID **100ng lcs2**	SampType: **LCS**	TestCode: **EPA Method 8260B: VOLATILES**
Client ID: **LCSW**	Batch ID: **R27159**	RunNo: **27159**
Prep Date:	Analysis Date: **6/30/2015**	SeqNo: **813234** Units: **µg/L**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	19	1.0	20.00	0	93.5	70	130			
Toluene	19	1.0	20.00	0	97.1	70	130			
Surr: 1,2-Dichloroethane-d4	9.6		10.00		96.3	70	130			
Surr: 4-Bromofluorobenzene	10		10.00		101	70	130			
Surr: Dibromofluoromethane	9.9		10.00		99.2	70	130			
Surr: Toluene-d8	9.7		10.00		96.9	70	130			

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
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
O	RSD is greater than RSDlimit	P	Sample pH Not In Range
R	RPD outside accepted recovery limits	RL	Reporting Detection Limit
S	Spike Recovery outside accepted recovery limits		

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: **1506C78**

17-Jul-15

Client: Animas Environmental

Project: Thriftway #810

Sample ID 1506c78-008a ms	SampType: MS	TestCode: EPA Method 8260B: VOLATILES
Client ID: TW-52	Batch ID: R27159	RunNo: 27159
Prep Date:	Analysis Date: 6/30/2015	SeqNo: 813243 Units: µg/L

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	19	1.0	20.00	0	93.9	70	130			
Toluene	20	1.0	20.00	0	101	70	130			
Surr: 1,2-Dichloroethane-d4	9.6		10.00		95.8	70	130			
Surr: 4-Bromofluorobenzene	9.5		10.00		95.2	70	130			
Surr: Dibromofluoromethane	9.8		10.00		97.6	70	130			
Surr: Toluene-d8	9.9		10.00		99.4	70	130			

Sample ID 1506c78-008a msd	SampType: MSD	TestCode: EPA Method 8260B: VOLATILES
Client ID: TW-52	Batch ID: R27159	RunNo: 27159
Prep Date:	Analysis Date: 6/30/2015	SeqNo: 813244 Units: µg/L

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	18	1.0	20.00	0	92.2	70	130	1.79	20	
Toluene	19	1.0	20.00	0	94.5	70	130	6.34	20	
Surr: 1,2-Dichloroethane-d4	9.9		10.00		98.8	70	130	0	0	
Surr: 4-Bromofluorobenzene	9.7		10.00		96.8	70	130	0	0	
Surr: Dibromofluoromethane	9.8		10.00		97.9	70	130	0	0	
Surr: Toluene-d8	9.9		10.00		98.8	70	130	0	0	

Sample ID rb	SampType: MBLK	TestCode: EPA Method 8260B: VOLATILES
Client ID: PBW	Batch ID: R27159	RunNo: 27159
Prep Date:	Analysis Date: 6/30/2015	SeqNo: 813248 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								
Naphthalene	ND	2.0								
1-Methylnaphthalene	ND	4.0								
2-Methylnaphthalene	ND	4.0								
Xylenes, Total	ND	1.5								
Surr: 1,2-Dichloroethane-d4	9.3		10.00		93.4	70	130			
Surr: 4-Bromofluorobenzene	10		10.00		99.5	70	130			
Surr: Dibromofluoromethane	9.7		10.00		97.3	70	130			
Surr: Toluene-d8	9.6		10.00		95.7	70	130			

Qualifiers:

- * Value exceeds Maximum Contaminant Level.
- E Value above quantitation range
- J Analyte detected below quantitation limits
- O RSD is greater than RSDlimit
- R RPD outside accepted recovery limits
- S Spike Recovery outside accepted recovery limits
- B Analyte detected in the associated Method Blank
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- P Sample pH Not In Range
- RL Reporting Detection Limit

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: **1506C78**

17-Jul-15

Client: Animas Environmental

Project: Thriftway #810

Sample ID **100ng lcs**	SampType: **LCS**	TestCode: **EPA Method 8260B: VOLATILES**
Client ID: **LCSW**	Batch ID: **R27212**	RunNo: **27212**
Prep Date:	Analysis Date: **6/30/2015**	SeqNo: **815239** Units: **µg/L**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	20	1.0	20.00	0	98.7	70	130			
Toluene	21	1.0	20.00	0	103	70	130			
Surr: 1,2-Dichloroethane-d4	10		10.00		100	70	130			
Surr: 4-Bromofluorobenzene	10		10.00		101	70	130			
Surr: Dibromofluoromethane	10		10.00		104	70	130			
Surr: Toluene-d8	9.9		10.00		99.5	70	130			

Sample ID **rb**	SampType: **MBLK**	TestCode: **EPA Method 8260B: VOLATILES**
Client ID: **PBW**	Batch ID: **R27212**	RunNo: **27212**
Prep Date:	Analysis Date: **6/30/2015**	SeqNo: **815240** 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								
Naphthalene	ND	2.0								
1-Methylnaphthalene	ND	4.0								
2-Methylnaphthalene	ND	4.0								
Xylenes, Total	ND	1.5								
Surr: 1,2-Dichloroethane-d4	10		10.00		99.7	70	130			
Surr: 4-Bromofluorobenzene	10		10.00		102	70	130			
Surr: Dibromofluoromethane	11		10.00		106	70	130			
Surr: Toluene-d8	9.6		10.00		95.8	70	130			

Sample ID **100ng lcs**	SampType: **LCS**	TestCode: **EPA Method 8260B: VOLATILES**
Client ID: **LCSW**	Batch ID: **R27244**	RunNo: **27244**
Prep Date:	Analysis Date: **7/1/2015**	SeqNo: **816212** Units: **%REC**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: 1,2-Dichloroethane-d4	9.6		10.00		96.3	70	130			
Surr: 4-Bromofluorobenzene	10		10.00		100	70	130			
Surr: Dibromofluoromethane	10		10.00		103	70	130			
Surr: Toluene-d8	10		10.00		101	70	130			

Sample ID **rb**	SampType: **MBLK**	TestCode: **EPA Method 8260B: VOLATILES**
Client ID: **PBW**	Batch ID: **R27244**	RunNo: **27244**
Prep Date:	Analysis Date: **7/1/2015**	SeqNo: **816224** Units: **µg/L**

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

Qualifiers:

- * Value exceeds Maximum Contaminant Level.
- E Value above quantitation range
- J Analyte detected below quantitation limits
- O RSD is greater than RSDlimit
- R RPD outside accepted recovery limits
- S Spike Recovery outside accepted recovery limits
- B Analyte detected in the associated Method Blank
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- P Sample pH Not In Range
- RL Reporting Detection Limit

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: **1506C78**

17-Jul-15

Client: Animas Environmental

Project: Thriftway #810

Sample ID **rb**	SampType: **MBLK**	TestCode: **EPA Method 8260B: VOLATILES**
Client ID: **PBW**	Batch ID: **R27244**	RunNo: **27244**
Prep Date:	Analysis Date: **7/1/2015**	SeqNo: **816224** Units: **µg/L**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Xylenes, Total	ND	1.5								
Surr: 1,2-Dichloroethane-d4	10		10.00		100	70	130			
Surr: 4-Bromofluorobenzene	11		10.00		105	70	130			
Surr: Dibromofluoromethane	10		10.00		103	70	130			
Surr: Toluene-d8	9.6		10.00		96.1	70	130			

Sample ID **100ng lcs2**	SampType: **LCS**	TestCode: **EPA Method 8260B: VOLATILES**
Client ID: **LCSW**	Batch ID: **R27244**	RunNo: **27244**
Prep Date:	Analysis Date: **7/1/2015**	SeqNo: **816235** Units: **%REC**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: 1,2-Dichloroethane-d4	9.8		10.00		97.6	70	130			
Surr: 4-Bromofluorobenzene	10		10.00		103	70	130			
Surr: Dibromofluoromethane	9.7		10.00		97.1	70	130			
Surr: Toluene-d8	9.8		10.00		97.5	70	130			

Sample ID **rb3**	SampType: **MBLK**	TestCode: **EPA Method 8260B: VOLATILES**
Client ID: **PBW**	Batch ID: **R27244**	RunNo: **27244**
Prep Date:	Analysis Date: **7/2/2015**	SeqNo: **816250** Units: **µg/L**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Xylenes, Total	ND	1.5								
Surr: 1,2-Dichloroethane-d4	10		10.00		102	70	130			
Surr: 4-Bromofluorobenzene	10		10.00		104	70	130			
Surr: Dibromofluoromethane	10		10.00		101	70	130			
Surr: Toluene-d8	9.8		10.00		98.2	70	130			

Qualifiers:

- * Value exceeds Maximum Contaminant Level.
- E Value above quantitation range
- J Analyte detected below quantitation limits
- O RSD is greater than RSDlimit
- R RPD outside accepted recovery limits
- S Spike Recovery outside accepted recovery limits
- B Analyte detected in the associated Method Blank
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- P Sample pH Not In Range
- RL Reporting Detection Limit

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: **1506C78**

17-Jul-15

Client: Animas Environmental

Project: Thriftway #810

Sample ID	MB-20050	SampType:	MBLK	TestCode:	EPA Method 7470: Mercury					
Client ID:	PBW	Batch ID:	20050	RunNo:	27219					
Prep Date:	7/1/2015	Analysis Date:	7/1/2015	SeqNo:	815334	Units:	mg/L			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Mercury	ND	0.00020								

Sample ID	LCS-20050	SampType:	LCS	TestCode:	EPA Method 7470: Mercury					
Client ID:	LCSW	Batch ID:	20050	RunNo:	27219					
Prep Date:	7/1/2015	Analysis Date:	7/1/2015	SeqNo:	815335	Units:	mg/L			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Mercury	0.0048	0.00020	0.005000	0	96.8	80	120			

Sample ID	1506C78-009DMS	SampType:	MS	TestCode:	EPA Method 7470: Mercury					
Client ID:	TW-53	Batch ID:	20050	RunNo:	27219					
Prep Date:	7/1/2015	Analysis Date:	7/1/2015	SeqNo:	815338	Units:	mg/L			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Mercury	0.0044	0.00020	0.005000	0	87.2	75	125			

Sample ID	1506C78-009DMSD	SampType:	MSD	TestCode:	EPA Method 7470: Mercury					
Client ID:	TW-53	Batch ID:	20050	RunNo:	27219					
Prep Date:	7/1/2015	Analysis Date:	7/1/2015	SeqNo:	815339	Units:	mg/L			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Mercury	0.0045	0.00020	0.005000	0	89.9	75	125	3.01	20	

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
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
O	RSD is greater than RSDlimit	P	Sample pH Not In Range
R	RPD outside accepted recovery limits	RL	Reporting Detection Limit
S	Spike Recovery outside accepted recovery limits		

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: **1506C78**

17-Jul-15

Client: Animas Environmental

Project: Thriftway #810

Sample ID **MB**	SampType: **MBLK**	TestCode: **EPA Method 6010B: Dissolved Metals**
Client ID: **PBW**	Batch ID: **R27289**	RunNo: **27289**
Prep Date:	Analysis Date: **7/6/2015**	SeqNo: **817751** Units: **mg/L**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Calcium	ND	1.0								
Magnesium	ND	1.0								
Potassium	ND	1.0								
Sodium	ND	1.0								

Sample ID **LCS**	SampType: **LCS**	TestCode: **EPA Method 6010B: Dissolved Metals**
Client ID: **LCSW**	Batch ID: **R27289**	RunNo: **27289**
Prep Date:	Analysis Date: **7/6/2015**	SeqNo: **817752** Units: **mg/L**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Calcium	51	1.0	50.00	0	101	80	120			
Magnesium	50	1.0	50.00	0	100	80	120			
Potassium	49	1.0	50.00	0	97.7	80	120			
Sodium	49	1.0	50.00	0	98.4	80	120			

Qualifiers:

- * Value exceeds Maximum Contaminant Level.
- E Value above quantitation range
- J Analyte detected below quantitation limits
- O RSD is greater than RSDlimit
- R RPD outside accepted recovery limits
- S Spike Recovery outside accepted recovery limits
- B Analyte detected in the associated Method Blank
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- P Sample pH Not In Range
- RL Reporting Detection Limit

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: **1506C78**

17-Jul-15

Client: Animas Environmental

Project: Thriftway #810

Sample ID	MB-19986	SampType:	MBLK	TestCode:	EPA 6010B: Total Recoverable Metals				
Client ID:	PBW	Batch ID:	19986	RunNo:	27327				
Prep Date:	6/29/2015	Analysis Date:	7/7/2015	SeqNo:	819666	Units:	mg/L		

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Arsenic	ND	0.020								
Barium	ND	0.020								
Cadmium	ND	0.0020								
Chromium	ND	0.0060								
Lead	ND	0.0050								
Selenium	ND	0.050								
Silver	ND	0.0050								

Sample ID	LCS-19986	SampType:	LCS	TestCode:	EPA 6010B: Total Recoverable Metals				
Client ID:	LCSW	Batch ID:	19986	RunNo:	27327				
Prep Date:	6/29/2015	Analysis Date:	7/7/2015	SeqNo:	819667	Units:	mg/L		

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Arsenic	0.51	0.020	0.5000	0	103	80	120			
Barium	0.49	0.020	0.5000	0	97.2	80	120			
Cadmium	0.49	0.0020	0.5000	0	97.6	80	120			
Chromium	0.48	0.0060	0.5000	0	96.6	80	120			
Lead	0.49	0.0050	0.5000	0	97.3	80	120			
Selenium	0.50	0.050	0.5000	0	100	80	120			
Silver	0.10	0.0050	0.1000	0	102	80	120			

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
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
O	RSD is greater than RSDlimit	P	Sample pH Not In Range
R	RPD outside accepted recovery limits	RL	Reporting Detection Limit
S	Spike Recovery outside accepted recovery limits		

QC SUMMARY REPORT

WO#: **1506C78**

Hall Environmental Analysis Laboratory, Inc.

17-Jul-15

Client: Animas Environmental
Project: Thriftway #810

Sample ID 1506c78-001a ms	SampType: MS	TestCode: EPA Method 8015D: Gasoline Range
Client ID: TW-43	Batch ID: R27159	RunNo: 27159
Prep Date:	Analysis Date: 6/29/2015	SeqNo: 814511 Units: mg/L

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	1.4	0.10	1.000	0.7088	66.3	56.9	133			
Surr: BFB	19		20.00		93.7	70	130			

Sample ID 1506c78-001a msd	SampType: MSD	TestCode: EPA Method 8015D: Gasoline Range
Client ID: TW-43	Batch ID: R27159	RunNo: 27159
Prep Date:	Analysis Date: 6/29/2015	SeqNo: 814512 Units: mg/L

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	1.5	0.10	1.000	0.7088	74.3	56.9	133	5.67	20	
Surr: BFB	19		20.00		96.1	70	130	0	0	

Sample ID 2.5ug gro lcs	SampType: LCS	TestCode: EPA Method 8015D: Gasoline Range
Client ID: LCSW	Batch ID: R27159	RunNo: 27159
Prep Date:	Analysis Date: 6/29/2015	SeqNo: 814535 Units: mg/L

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	0.53	0.050	0.5000	0	107	80.6	122			
Surr: BFB	10		10.00		102	70	130			

Sample ID rb	SampType: MBLK	TestCode: EPA Method 8015D: Gasoline Range
Client ID: PBW	Batch ID: R27159	RunNo: 27159
Prep Date:	Analysis Date: 6/30/2015	SeqNo: 814536 Units: mg/L

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	ND	0.050								
Surr: BFB	9.3		10.00		93.3	70	130			

Sample ID 1506c78-018a ms	SampType: MS	TestCode: EPA Method 8015D: Gasoline Range
Client ID: TW-39	Batch ID: R27212	RunNo: 27212
Prep Date:	Analysis Date: 6/30/2015	SeqNo: 815053 Units: mg/L

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	0.94	0.050	0.5000	0.4122	107	56.9	133			
Surr: BFB	10		10.00		101	70	130			

Sample ID 1506c78-018a msd	SampType: MSD	TestCode: EPA Method 8015D: Gasoline Range
Client ID: TW-39	Batch ID: R27212	RunNo: 27212
Prep Date:	Analysis Date: 6/30/2015	SeqNo: 815054 Units: mg/L

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

Qualifiers:

- * Value exceeds Maximum Contaminant Level.
- E Value above quantitation range
- J Analyte detected below quantitation limits
- O RSD is greater than RSDlimit
- R RPD outside accepted recovery limits
- S Spike Recovery outside accepted recovery limits
- B Analyte detected in the associated Method Blank
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- P Sample pH Not In Range
- RL Reporting Detection Limit

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: **1506C78**

17-Jul-15

Client: Animas Environmental

Project: Thriftway #810

Sample ID	1506c78-018a msd	SampType:	MSD		TestCode:	EPA Method 8015D: Gasoline Range				
Client ID:	TW-39	Batch ID:	R27212		RunNo:	27212				
Prep Date:		Analysis Date:	6/30/2015		SeqNo:	815054	Units:	mg/L		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	0.93	0.050	0.5000	0.4122	103	56.9	133	1.88	20	
Surr: BFB	10		10.00		101	70	130	0	0	

Sample ID	2.5ug gro lcs	SampType:	LCS		TestCode:	EPA Method 8015D: Gasoline Range				
Client ID:	LCSW	Batch ID:	R27212		RunNo:	27212				
Prep Date:		Analysis Date:	6/30/2015		SeqNo:	815059	Units:	mg/L		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	0.52	0.050	0.5000	0	104	80.6	122			
Surr: BFB	9.8		10.00		98.4	70	130			

Sample ID	rb	SampType:	MBLK		TestCode:	EPA Method 8015D: Gasoline Range				
Client ID:	PBW	Batch ID:	R27212		RunNo:	27212				
Prep Date:		Analysis Date:	6/30/2015		SeqNo:	815060	Units:	mg/L		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	ND	0.050								
Surr: BFB	9.3		10.00		93.5	70	130			

Sample ID	2.5ug gro lcs	SampType:	LCS		TestCode:	EPA Method 8015D: Gasoline Range				
Client ID:	LCSW	Batch ID:	R27244		RunNo:	27244				
Prep Date:		Analysis Date:	7/1/2015		SeqNo:	816209	Units:	mg/L		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	0.53	0.050	0.5000	0	105	80.6	122			
Surr: BFB	9.8		10.00		97.7	70	130			

Sample ID	rb	SampType:	MBLK		TestCode:	EPA Method 8015D: Gasoline Range				
Client ID:	PBW	Batch ID:	R27244		RunNo:	27244				
Prep Date:		Analysis Date:	7/1/2015		SeqNo:	816210	Units:	mg/L		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	ND	0.050								
Surr: BFB	9.7		10.00		96.6	70	130			

Qualifiers:

- * Value exceeds Maximum Contaminant Level.
- E Value above quantitation range
- J Analyte detected below quantitation limits
- O RSD is greater than RSDlimit
- R RPD outside accepted recovery limits
- S Spike Recovery outside accepted recovery limits
- B Analyte detected in the associated Method Blank
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- P Sample pH Not In Range
- RL Reporting Detection Limit

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: **1506C78**

17-Jul-15

Client: Animas Environmental

Project: Thriftway #810

Sample ID	MB-20033	SampType:	MBLK		TestCode:	SM2540C MOD: Total Dissolved Solids				
Client ID:	PBW	Batch ID:	20033		RunNo:	27239				
Prep Date:	6/30/2015	Analysis Date:	7/2/2015		SeqNo:	815954	Units:	mg/L		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Total Dissolved Solids	ND	20.0								

Sample ID	LCS-20033	SampType:	LCS		TestCode:	SM2540C MOD: Total Dissolved Solids				
Client ID:	LCSW	Batch ID:	20033		RunNo:	27239				
Prep Date:	6/30/2015	Analysis Date:	7/2/2015		SeqNo:	815955	Units:	mg/L		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Total Dissolved Solids	1010	20.0	1000	0	101	80	120			

Qualifiers:

- * Value exceeds Maximum Contaminant Level.
- E Value above quantitation range
- J Analyte detected below quantitation limits
- O RSD is greater than RSDlimit
- R RPD outside accepted recovery limits
- S Spike Recovery outside accepted recovery limits
- B Analyte detected in the associated Method Blank
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- P Sample pH Not In Range
- RL Reporting Detection 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: Animas Environmental Work Order Number: 1506C78 RcptNo: 1

Received by/date: LM 06/26/15

Logged By: Anne Thorne 6/26/2015 7:00:00 AM Anne Thorne

Completed By: Anne Thorne 6/26/2015 Anne Thorne

Reviewed By: 06/26/15

Chain of Custody

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

Log In

4. Was an attempt made to cool the samples? Yes ☑ No ☐ NA ☐
5. Were all samples received at a temperature of >0° C to 6.0°C Yes ☑ No ☐ NA ☐
6. Sample(s) in proper container(s)? Yes ☑ No ☐
7. Sufficient sample volume for indicated test(s)? Yes ☑ No ☐
8. Are samples (except VOA and ONG) properly preserved? Yes ☑ No ☑
9. Was preservative added to bottles? Yes ☑ No ☑ NA ☐
   - FOR TOTAL METALS ANALYSIS: Added 1mL HNO3 TO -0010, 0100, -0110, -0191 FOR ACCEPTABLE pH.
   - FOR DISS. METALS ANALYSIS: Added 0.4mL HNO3 TO -0010E, -0100E, -0110E, -0191E FOR ACCEPTABLE pH.
10. VOA vials have zero headspace? Yes ☐ No ☐ No VOA Vials ☑
11. Were any sample containers received broken? Yes ☐ No ☑
12. Does paperwork match bottle labels? (Note discrepancies on chain of custody) Yes ☑ No ☐
13. Are matrices correctly identified on Chain of Custody? Yes ☑ No ☐
14. Is it clear what analyses were requested? Yes ☑ No ☐
15. Were all holding times able to be met? (If no, notify customer for authorization.) Yes ☑ No ☐

of preserved bottles checked for pH: 8 (<2 or >12 unless noted)
Adjusted? YES
Checked by:

Special Handling (If applicable)

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

Person Notified: Date:
By Whom: Via: ☐ eMail ☐ Phone ☐ Fax ☐ In Person
Regarding:
Client Instructions:

17. Additional remarks:

18. Cooler Information

Cooler No	Temp °C	Condition	Seal Intact	Seal No	Seal Date	Signed By
1	2.5	Good	Yes			

Chain of Custody Record

Client: Animas Environmental Services

Mailing Address: 604 W Pinon St
Farmington, NM 87401

Phone #: 505-564-2281

email or Fax#: beverett@animasenvironmental.com

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

Accreditation:
☐ NELAP ☐ Other
☐ EDD (Type)

Turn-Around Time:
X Standard ☐ Rush

Project Name:
Thriftway #810

Project #:
AES 050204

Project Manager:
B. Everett

Sampler: M. Beauparlant
On Ice: Yes No
Sample Temperature: 2 °C

HALL ENVIRONMENTAL ANALYSIS LABORATORY

www.hallenvironmental.com
4901 Hawkins NE - Albuquerque, NM 87109
Tel. 505-345-3975 Fax 505-345-4107

Analysis Request

Date	Time	Matrix	Sample Request ID	Container Type and #	Preservative Type	HEAL No. 1506178	8015 TPH GRO and DRO	8260 VOCs see below	8270 SVOC see below	RCRA 8 Metals	Dissolved Metals(Ca, Mg, K, Na)6010	300.0 Bromide, Chloride, Fluoride, Sulfate	300.0 Chloride and Sulfate	Hardness CaCO3 6010	TDS 2540C	Specific Conductance EPA 120.1	Air Bubbles (Y or N)
6/25/15	09:25	Water	TW-53	3-40mL VoA/1-250mL Amber/ 2-500mL & 1-125mL Plastic/ ~~1-1L Amber~~	3-HCl/Non/2-HNO3 & 1-Non/Non	-009	X	X	X	X	X	X		X	X	X	
6/25/15	09:55	Water	TW-54	3-40mL VoA/1-250mL Amber/ 2-500mL & 1-125mL Plastic/ ~~1-1L Amber~~	3-HCl/Non/2-HNO3 & 1-Non/Non	-010	X	X	X	X	X	X		X	X	X	
6/25/15	11:25	Water	MW-5	3-40mL VoA/1-250mL Amber/ 2-500mL & 1-125mL Plastic/ ~~1-1L Amber~~	3-HCl/Non/2-HNO3 & 1-Non/Non	-011	X	X	X	X	X	X		X	X	X	
6/25/15	11:46	Water	MW-7	3-40mL VOA/ 1-1L Amber/1-250mL Amber	3-HCL/ Non/Non	-012	X	X	X								
6/24/15	13:07	Water	MW-20	3-40mL VOA/1-250mL Amber/ ~~1-1L Amber/1-~~ 500 mL Plastic	3-HCL/ Non/Non/Non	-013	X	X	X				X		X		
6/24/15	13:41	Water	MW-21	3-40mL VOA/1-250mL Amber/ ~~1-1L Amber/1-~~ 500 mL Plastic	3-HCL/ Non/Non/Non	-014	X	X	X				X		X		
			Trip Blanks	2-40mL VOA	2-HCL	-021		X									

Date:	Time:	Relinquished by:	Received by:	Date	Time
6/25/15	1540			6/25/15	1540
Date:	Time:	Relinquished by:	Received by:	Date	Time
6/25/15	1834			06/26/15	0700

Remarks: Run TPH 8015 prior to analyzing for 8260 and 8270. Run the full VOC spectrum only in the event the reported TPH-GRO is greater than 80 mg/L, if GRO is less than 80 mg/L run BTEX/total napthalenes and MTBE. SVOCs per EPA Method 8270D will be run if TPH-DRO value is greater than 200 mg/L. Direct Bill to BioTech. Per Andy 8015 GRO-DRO $60, discounted price for TDS.

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: Animas Environmental Services

Mailing Address: 604 W Pinon St
Farmington, NM 87401

Phone #: 505-564-2281

email or Fax#: beverett@animasenvironmental.com

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

Accreditation:
☐ NELAP ☐ Other

☐ EDD (Type)

Turn-Around Time:
X Standard ☐ Rush

Project Name:
Thriftway #810

Project #:
AES 050204

Project Manager:
B. Everett

Sampler: M. Beauparlant
On Ice: Yes No
Sample Temperature:

HALL ENVIRONMENTAL ANALYSIS LABORATORY

www.hallenvironmental.com
4901 Hawkins NE - Albuquerque, NM 87109
Tel. 505-345-3975 Fax 505-345-4107

Analysis Request

Date	Time	Matrix	Sample Request ID	Container Type and #	Preservative Type	HEAL No 1506078	8015 TPH GRO and DRO	8260 VOCs see below	8270 SVOC see below WAS	RCRA 8 Metals	Dissolved Metals(Ca, Mg, K, Na)6010	300.0 Bromide, Chloride, Fluoride, Sulfate	300.0 Chloride and Sulfate	Hardness CaCO3 6010	TDS 2540C	Specific Conductance EPA 120.1	Air Bubbles (Y or N)
		~~Water~~	~~TW-32~~	3-40mL VOA/ 1-1L Amber/1-250mL Amber	3-HCL/ Non/Non		X	X	X								
		~~Water~~	~~TW-33~~	3-40mL VOA/ 1-1L Amber/1-250mL Amber	3-HCL/ Non/Non		X	X	X								
6-24-15	09:37	Water	TW-36	3-40mL VOA/ 1-1L Amber/1-250mL Amber	3-HCL/ Non/Non	015	X	X	X								
6-24-15	10:05	Water	TW-37	3-40mL VOA/1-250mL Amber/ ~~1-1L Amber~~/1-500 mL Plastic	3-HCL/ Non/Non/Non	016	X	X	X				X		X		
6-24-15	10:22	Water	TW-38	3-40mL VOA/ ~~1-1L Amber~~/1-250mL Amber	3-HCL/ Non/Non	017	X	X	X								
6-24-15	10:39	Water	TW-39	3-40mL VOA/ ~~1-1L Amber~~/1-250mL Amber	3-HCL/ Non/Non	018	X	X	X								
		~~Water~~	~~TW-40~~	3-40mL VOA/ 1-1L Amber/1-250mL Amber	3-HCL/ Non/Non		X	X	X								
6-24-15	11:05	Water	TW-41	3-40mL VoA/1-250mL Amber/ 2-500mL & 1-125mL Plastic/ ~~1-1L Amber~~	3-HCl/Non/2-HNO3 & 1-Non/Non	019	X	X	X	X	X	X		X	X	X	
6-24-15	11:25	Water	TW-42	3-40mL VOA/ ~~1-1L Amber~~/1-250mL Amber	3-HCL/ Non/Non	020	X	X	X								

Date:	Time:	Relinquished by:	Received by:	Date	Time
6/25/15	1540			6/25/15	1540
6/25/15	1834			6/26/15	0700

Remarks: Run TPH 8015 prior to analyzing for 8260 and 8270. Run the full VOC spectrum only in the event the reported TPH-GRO is greater than 80 mg/L, if GRO is less than 80 mg/L run BTEX/total napthalenes and MTBE. SVOCs per EPA Method 8270D will be run if TPH-DRO value is greater than 200 mg/L. Direct Bill to BioTech. Per Andy 8015 GRO-DRO $60, discounted price for TDS.

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: Animas Environmental Services

Mailing Address: 604 W Pinon St
Farmington, NM 87401

Phone #: 505-564-2281

email or Fax#: beverett@animasenvironmental.com

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

Accreditation:
☐ NELAP ☐ Other
☐ EDD (Type)

Turn-Around Time:
X Standard ☐ Rush

Project Name:
Thriftway #810

Project #:
AES 050204

Project Manager:
B. Everett

Sampler: M. Beauparlant
On Ice: ☑ Yes ☐ No
Sample Temperature: 2 K

HALL ENVIRONMENTAL ANALYSIS LABORATORY
www.hallenvironmental.com
4901 Hawkins NE - Albuquerque, NM 87109
Tel. 505-345-3975 Fax 505-345-4107

Analysis Request

Date	Time	Matrix	Sample Request ID	Container Type and #	Preservative Type	HEAL No. 1504673	8015 TPH GRO and DRO	8260 VOCs see below	8270 SVOC see below 8021	RCRA 8 Metals	Dissolved Metals(Ca, Mg, K, Na)6010	300.0 Bromide, Chloride, Fluoride, Sulfate	300.0 Chloride and Sulfate	Hardness CaCO3 6010	TDS 2540C	Specific Conductance EPA 120.1	Air Bubbles (Y or N)
6-24-15	11:45	Water	TW-43	3-40mL VOA/ ~~1-1L Amber/1-~~ 250mL Amber	3-HCL/ Non/Non	-001	X	X	X								
		Water	~~TW-44~~	3-40mL VOA/ 1-1L Amber/1-250mL Amber	3-HCL/ Non/Non		X	X	X								
6-24-15	12:10	Water	TW-45	3-40mL VOA/ ~~1-1L Amber/1-~~ 250mL Amber	3-HCL/ Non/Non	-002	X	X	X								
6-24-15	12:25	Water	TW-46	3-40mL VOA/ ~~1-1L Amber/1-~~ 250mL Amber	3-HCL/ Non/Non	-003	X	X	X								
6-24-15	12:25	Water	TW-47	3-40mL VOA/1-250mL Amber/ ~~1-1L Amber/1-~~ 500 mL Plastic	3-HCL/ Non/Non/Non	-004	X	X	X				X		X		
6-25-15	12:00	Water	TW-48	3-40mL VOA/ ~~1-1L Amber/~~1-250mL Amber	3-HCL/ Non/Non	-005	X	X	X								
6-24-15	14:00	Water	TW-49	3-40mL VOA/ ~~1-1L Amber/~~1-250mL Amber	3-HCL/ Non/Non	-006	X	X	X								
		~~Water~~	~~TW-50~~	3-40mL VOA/ 1-1L Amber/1-250mL Amber	3-HCL/ Non/Non		X	X	X								
6-24-15	14:20	Water	TW-51	3-40mL VOA/1-250mL Amber/ 1-1L Amber/1-500 mL Plastic	3-HCL/ Non/Non/Non	-007	X	X	X				X		X		
6-24-15	14:40	Water	TW-52	3-40mL VOA/1-250mL Amber/ 1-1L Amber/1-500 mL Plastic	3-HCL/ Non/Non/Non	-008	X	X	X				X		X		

Date:	Time:	Relinquished by:	Received by:	Date	Time
6/25/15	1540			6/25/15	1540
Date:	Time:	Relinquished by:	Received by:	Date	Time
6/25/15	1854			06/26/15	0730

Remarks: Run TPH 8015 prior to analyzing for 8260 and 8270. Run the full VOC spectrum only in the event the reported TPH-GRO is greater than 80 mg/L, If GRO is less than 80 mg/L run BTEX/total napthalenes and MTBE. SVOCs per EPA Method 8270D will be run if TPH-DRO value is greater than 200 mg/L. Direct Bill to BioTech. Per Andy 8015 GRO-DRO $60, discounted price for TDS.

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

March 07, 2016

Ross Kennemer

Biotech Remediation, Inc.
501 Airport Dr
Farmington, NM 87401
TEL:
FAX

RE: Thriftway #810 OrderNo.: 1602752

Dear Ross Kennemer:

Hall Environmental Analysis Laboratory received 16 sample(s) on 2/18/2016 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 qualifers are provided on both the sample analysis report and the QC summary report, both sections should be reviewed. All samples are reported, as received, unless otherwise indicated. Lab measurement of analytes considered field parameters that require analysis within 15 minutes of sampling such as pH and residual chlorine are qualified as being analyzed outside of the recommended holding time.

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

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

Sincerely,



Andy Freeman
Laboratory Manager
4901 Hawkins NE
Albuquerque, NM 87109

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Biotech Remediation, Inc. **Client Sample ID:** TW-1
Project: Thriftway #810 **Collection Date:** 2/16/2016 9:26:00 AM
Lab ID: 1602752-001 **Matrix:** AQUEOUS **Received Date:** 2/18/2016 7:00:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analyst: **LGT**	
Fluoride	0.77	0.10		mg/L	1	3/2/2016 10:43:15 AM	R32517
Chloride	13	0.50		mg/L	1	3/2/2016 10:43:15 AM	R32517
Bromide	ND	0.10		mg/L	1	2/23/2016 2:44:34 AM	A32324
Phosphorus, Orthophosphate (As P)	ND	10	H	mg/L	20	3/2/2016 1:29:17 PM	R32545
Sulfate	1300	25		mg/L	50	3/2/2016 1:41:42 PM	R32545
Nitrate+Nitrite as N	1.7	1.0		mg/L	5	2/24/2016 11:42:13 AM	R32385
SM2510B: SPECIFIC CONDUCTANCE						Analyst: **JRR**	
Conductivity	2600	0.010		µmhos/cm	1	2/24/2016 3:31:04 PM	R32387
SM2320B: ALKALINITY						Analyst: **JRR**	
Bicarbonate (As CaCO3)	162.0	20.00		mg/L CaCO3	1	2/24/2016 3:31:04 PM	R32387
Carbonate (As CaCO3)	ND	2.000		mg/L CaCO3	1	2/24/2016 3:31:04 PM	R32387
Total Alkalinity (as CaCO3)	162.0	20.00		mg/L CaCO3	1	2/24/2016 3:31:04 PM	R32387
SM2540C MOD: TOTAL DISSOLVED SOLIDS						Analyst: **KS**	
Total Dissolved Solids	2010	200	*D	mg/L	1	2/22/2016 7:18:00 PM	23844
EPA METHOD 7470: MERCURY						Analyst: **pmf**	
Mercury	0.00022	0.00020		mg/L	1	2/19/2016 11:53:01 AM	23821
EPA METHOD 6010B: DISSOLVED METALS						Analyst: **ELS**	
Calcium	370	5.0		mg/L	5	2/19/2016 1:26:05 PM	R32288
Lead	ND	0.0050		mg/L	1	2/19/2016 1:24:12 PM	R32288
Magnesium	25	1.0		mg/L	1	2/19/2016 1:24:12 PM	R32288
Potassium	2.8	1.0		mg/L	1	2/19/2016 1:24:12 PM	R32288
Sodium	270	5.0		mg/L	5	2/19/2016 1:26:05 PM	R32288
EPA 6010B: TOTAL RECOVERABLE METALS						Analyst: **ELS**	
Arsenic	0.037	0.020		mg/L	1	2/19/2016 12:24:50 PM	23820
Barium	1.3	0.10		mg/L	5	2/23/2016 1:18:20 PM	23820
Cadmium	ND	0.0020		mg/L	1	2/19/2016 12:24:50 PM	23820
Chromium	0.072	0.0060		mg/L	1	2/19/2016 12:24:50 PM	23820
Lead	0.026	0.0050		mg/L	1	2/23/2016 1:29:11 PM	23820
Selenium	ND	0.050		mg/L	1	2/23/2016 1:29:11 PM	23820
Silver	ND	0.0050		mg/L	1	2/19/2016 12:24:50 PM	23820
EPA METHOD 8015M/D: DIESEL RANGE						Analyst: **KJH**	
Diesel Range Organics (DRO)	ND	1.0		mg/L	1	2/19/2016 4:29:02 PM	23831
Motor Oil Range Organics (MRO)	ND	5.0		mg/L	1	2/19/2016 4:29:02 PM	23831
Surr: DNOP	106	70-141		%Rec	1	2/19/2016 4:29:02 PM	23831
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **NSB**	

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

Qualifiers:

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

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Biotech Remediation, Inc. **Client Sample ID:** TW-1
Project: Thriftway #810 **Collection Date:** 2/16/2016 9:26:00 AM
Lab ID: 1602752-001 **Matrix:** AQUEOUS **Received Date:** 2/18/2016 7:00:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **NSB**	
Gasoline Range Organics (GRO)	ND	0.10	D	mg/L	2	2/19/2016 1:21:02 PM	B32265
Surr: BFB	86.8	49.5-130	D	%Rec	2	2/19/2016 1:21:02 PM	B32265
EPA METHOD 8270C: PAHS						Analyst: **DAM**	
Naphthalene	ND	0.50		µg/L	1	2/22/2016 1:54:47 PM	23851
1-Methylnaphthalene	ND	0.50		µg/L	1	2/22/2016 1:54:47 PM	23851
2-Methylnaphthalene	ND	0.50		µg/L	1	2/22/2016 1:54:47 PM	23851
Acenaphthylene	ND	0.50		µg/L	1	2/22/2016 1:54:47 PM	23851
Acenaphthene	ND	0.50		µg/L	1	2/22/2016 1:54:47 PM	23851
Fluorene	ND	0.50		µg/L	1	2/22/2016 1:54:47 PM	23851
Phenanthrene	ND	0.50		µg/L	1	2/22/2016 1:54:47 PM	23851
Anthracene	ND	0.50		µg/L	1	2/22/2016 1:54:47 PM	23851
Fluoranthene	ND	0.50		µg/L	1	2/22/2016 1:54:47 PM	23851
Pyrene	ND	0.50		µg/L	1	2/22/2016 1:54:47 PM	23851
Benz(a)anthracene	ND	0.50		µg/L	1	2/22/2016 1:54:47 PM	23851
Chrysene	ND	0.50		µg/L	1	2/22/2016 1:54:47 PM	23851
Benzo(b)fluoranthene	ND	0.50		µg/L	1	2/22/2016 1:54:47 PM	23851
Benzo(k)fluoranthene	ND	0.50		µg/L	1	2/22/2016 1:54:47 PM	23851
Benzo(a)pyrene	ND	0.50		µg/L	1	2/22/2016 1:54:47 PM	23851
Dibenz(a,h)anthracene	ND	0.50		µg/L	1	2/22/2016 1:54:47 PM	23851
Benzo(g,h,i)perylene	ND	0.50		µg/L	1	2/22/2016 1:54:47 PM	23851
Indeno(1,2,3-cd)pyrene	ND	0.50		µg/L	1	2/22/2016 1:54:47 PM	23851
Surr: N-hexadecane	39.6	20.2-162		%Rec	1	2/22/2016 1:54:47 PM	23851
Surr: Benzo(e)pyrene	35.5	21.1-159		%Rec	1	2/22/2016 1:54:47 PM	23851
EPA METHOD 8260B: VOLATILES						Analyst: **AG**	
Benzene	ND	2.0		µg/L	2	2/18/2016 5:42:24 PM	A32246
Toluene	ND	2.0		µg/L	2	2/18/2016 5:42:24 PM	A32246
Ethylbenzene	ND	2.0		µg/L	2	2/18/2016 5:42:24 PM	A32246
Methyl tert-butyl ether (MTBE)	ND	2.0		µg/L	2	2/18/2016 5:42:24 PM	A32246
1,2,4-Trimethylbenzene	ND	2.0		µg/L	2	2/18/2016 5:42:24 PM	A32246
1,3,5-Trimethylbenzene	ND	2.0		µg/L	2	2/18/2016 5:42:24 PM	A32246
1,2-Dichloroethane (EDC)	ND	2.0		µg/L	2	2/18/2016 5:42:24 PM	A32246
1,2-Dibromoethane (EDB)	ND	2.0		µg/L	2	2/18/2016 5:42:24 PM	A32246
Naphthalene	ND	4.0		µg/L	2	2/18/2016 5:42:24 PM	A32246
1-Methylnaphthalene	ND	8.0		µg/L	2	2/18/2016 5:42:24 PM	A32246
2-Methylnaphthalene	ND	8.0		µg/L	2	2/18/2016 5:42:24 PM	A32246
Acetone	ND	20		µg/L	2	2/18/2016 5:42:24 PM	A32246
Bromobenzene	ND	2.0		µg/L	2	2/18/2016 5:42:24 PM	A32246
Bromodichloromethane	ND	2.0		µg/L	2	2/18/2016 5:42:24 PM	A32246

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

Qualifiers:

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R	RPD outside accepted recovery limits	RL	Reporting Detection Limit
S	% Recovery outside of range due to dilution or matrix	W	Sample container temperature is out of limit as specified

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Biotech Remediation, Inc. **Client Sample ID:** TW-1
Project: Thriftway #810 **Collection Date:** 2/16/2016 9:26:00 AM
Lab ID: 1602752-001 **Matrix:** AQUEOUS **Received Date:** 2/18/2016 7:00:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8260B: VOLATILES						Analyst: **AG**	
Bromoform	ND	2.0		µg/L	2	2/18/2016 5:42:24 PM	A32246
Bromomethane	ND	6.0		µg/L	2	2/18/2016 5:42:24 PM	A32246
2-Butanone	ND	20		µg/L	2	2/18/2016 5:42:24 PM	A32246
Carbon disulfide	ND	20		µg/L	2	2/18/2016 5:42:24 PM	A32246
Carbon Tetrachloride	ND	2.0		µg/L	2	2/18/2016 5:42:24 PM	A32246
Chlorobenzene	ND	2.0		µg/L	2	2/18/2016 5:42:24 PM	A32246
Chloroethane	ND	4.0		µg/L	2	2/18/2016 5:42:24 PM	A32246
Chloroform	ND	2.0		µg/L	2	2/18/2016 5:42:24 PM	A32246
Chloromethane	ND	6.0		µg/L	2	2/18/2016 5:42:24 PM	A32246
2-Chlorotoluene	ND	2.0		µg/L	2	2/18/2016 5:42:24 PM	A32246
4-Chlorotoluene	ND	2.0		µg/L	2	2/18/2016 5:42:24 PM	A32246
cis-1,2-DCE	ND	2.0		µg/L	2	2/18/2016 5:42:24 PM	A32246
cis-1,3-Dichloropropene	ND	2.0		µg/L	2	2/18/2016 5:42:24 PM	A32246
1,2-Dibromo-3-chloropropane	ND	4.0		µg/L	2	2/18/2016 5:42:24 PM	A32246
Dibromochloromethane	ND	2.0		µg/L	2	2/18/2016 5:42:24 PM	A32246
Dibromomethane	ND	2.0		µg/L	2	2/18/2016 5:42:24 PM	A32246
1,2-Dichlorobenzene	ND	2.0		µg/L	2	2/18/2016 5:42:24 PM	A32246
1,3-Dichlorobenzene	ND	2.0		µg/L	2	2/18/2016 5:42:24 PM	A32246
1,4-Dichlorobenzene	ND	2.0		µg/L	2	2/18/2016 5:42:24 PM	A32246
Dichlorodifluoromethane	ND	2.0		µg/L	2	2/18/2016 5:42:24 PM	A32246
1,1-Dichloroethane	ND	2.0		µg/L	2	2/18/2016 5:42:24 PM	A32246
1,1-Dichloroethene	ND	2.0		µg/L	2	2/18/2016 5:42:24 PM	A32246
1,2-Dichloropropane	ND	2.0		µg/L	2	2/18/2016 5:42:24 PM	A32246
1,3-Dichloropropane	ND	2.0		µg/L	2	2/18/2016 5:42:24 PM	A32246
2,2-Dichloropropane	ND	4.0		µg/L	2	2/18/2016 5:42:24 PM	A32246
1,1-Dichloropropene	ND	2.0		µg/L	2	2/18/2016 5:42:24 PM	A32246
Hexachlorobutadiene	ND	2.0		µg/L	2	2/18/2016 5:42:24 PM	A32246
2-Hexanone	ND	20		µg/L	2	2/18/2016 5:42:24 PM	A32246
Isopropylbenzene	ND	2.0		µg/L	2	2/18/2016 5:42:24 PM	A32246
4-Isopropyltoluene	ND	2.0		µg/L	2	2/18/2016 5:42:24 PM	A32246
4-Methyl-2-pentanone	ND	20		µg/L	2	2/18/2016 5:42:24 PM	A32246
Methylene Chloride	ND	6.0		µg/L	2	2/18/2016 5:42:24 PM	A32246
n-Butylbenzene	ND	6.0		µg/L	2	2/18/2016 5:42:24 PM	A32246
n-Propylbenzene	ND	2.0		µg/L	2	2/18/2016 5:42:24 PM	A32246
sec-Butylbenzene	ND	2.0		µg/L	2	2/18/2016 5:42:24 PM	A32246
Styrene	ND	2.0		µg/L	2	2/18/2016 5:42:24 PM	A32246
tert-Butylbenzene	ND	2.0		µg/L	2	2/18/2016 5:42:24 PM	A32246
1,1,1,2-Tetrachloroethane	ND	2.0		µg/L	2	2/18/2016 5:42:24 PM	A32246
1,1,2,2-Tetrachloroethane	ND	4.0		µg/L	2	2/18/2016 5:42:24 PM	A32246

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Qualifiers:

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Hall Environmental Analysis Laboratory, Inc.

CLIENT: Biotech Remediation, Inc. **Client Sample ID:** TW-1
Project: Thriftway #810 **Collection Date:** 2/16/2016 9:26:00 AM
Lab ID: 1602752-001 **Matrix:** AQUEOUS **Received Date:** 2/18/2016 7:00:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8260B: VOLATILES						Analyst: **AG**	
Tetrachloroethene (PCE)	ND	2.0		µg/L	2	2/18/2016 5:42:24 PM	A32246
trans-1,2-DCE	ND	2.0		µg/L	2	2/18/2016 5:42:24 PM	A32246
trans-1,3-Dichloropropene	ND	2.0		µg/L	2	2/18/2016 5:42:24 PM	A32246
1,2,3-Trichlorobenzene	ND	2.0		µg/L	2	2/18/2016 5:42:24 PM	A32246
1,2,4-Trichlorobenzene	ND	2.0		µg/L	2	2/18/2016 5:42:24 PM	A32246
1,1,1-Trichloroethane	ND	2.0		µg/L	2	2/18/2016 5:42:24 PM	A32246
1,1,2-Trichloroethane	ND	2.0		µg/L	2	2/18/2016 5:42:24 PM	A32246
Trichloroethene (TCE)	ND	2.0		µg/L	2	2/18/2016 5:42:24 PM	A32246
Trichlorofluoromethane	ND	2.0		µg/L	2	2/18/2016 5:42:24 PM	A32246
1,2,3-Trichloropropane	ND	4.0		µg/L	2	2/18/2016 5:42:24 PM	A32246
Vinyl chloride	ND	2.0		µg/L	2	2/18/2016 5:42:24 PM	A32246
Xylenes, Total	ND	3.0		µg/L	2	2/18/2016 5:42:24 PM	A32246
Surr: 1,2-Dichloroethane-d4	103	70-130		%Rec	2	2/18/2016 5:42:24 PM	A32246
Surr: 4-Bromofluorobenzene	101	70-130		%Rec	2	2/18/2016 5:42:24 PM	A32246
Surr: Dibromofluoromethane	114	70-130		%Rec	2	2/18/2016 5:42:24 PM	A32246
Surr: Toluene-d8	101	70-130		%Rec	2	2/18/2016 5:42:24 PM	A32246

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Hall Environmental Analysis Laboratory, Inc.

CLIENT: Biotech Remediation, Inc. **Client Sample ID:** TW-2
Project: Thriftway #810 **Collection Date:** 2/16/2016 10:15:00 AM
Lab ID: 1602752-002 **Matrix:** AQUEOUS **Received Date:** 2/18/2016 7:00:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analyst: **LGT**	
Fluoride	1.1	0.10		mg/L	1	3/2/2016 10:55:39 AM	R32517
Chloride	21	10		mg/L	20	3/2/2016 1:54:07 PM	R32545
Bromide	ND	0.10		mg/L	1	2/23/2016 1:05:17 AM	R32324
Phosphorus, Orthophosphate (As P)	ND	10	H	mg/L	20	3/2/2016 1:54:07 PM	R32545
Sulfate	2500	50		mg/L	100	3/2/2016 2:06:31 PM	R32545
Nitrate+Nitrite as N	ND	1.0		mg/L	5	2/24/2016 11:54:38 AM	R32385
SM2510B: SPECIFIC CONDUCTANCE						Analyst: **JRR**	
Conductivity	4100	0.010		µmhos/cm	1	2/24/2016 3:42:16 PM	R32387
SM2320B: ALKALINITY						Analyst: **JRR**	
Bicarbonate (As CaCO3)	170.2	20.00		mg/L CaCO3	1	2/24/2016 3:42:16 PM	R32387
Carbonate (As CaCO3)	ND	2.000		mg/L CaCO3	1	2/24/2016 3:42:16 PM	R32387
Total Alkalinity (as CaCO3)	170.2	20.00		mg/L CaCO3	1	2/24/2016 3:42:16 PM	R32387
SM2540C MOD: TOTAL DISSOLVED SOLIDS						Analyst: **KS**	
Total Dissolved Solids	3840	100	*D	mg/L	1	2/22/2016 7:18:00 PM	23844
EPA METHOD 7470: MERCURY						Analyst: **pmf**	
Mercury	ND	0.00020		mg/L	1	2/19/2016 11:59:08 AM	23821
EPA METHOD 6010B: DISSOLVED METALS						Analyst: **ELS**	
Calcium	480	5.0		mg/L	5	2/19/2016 1:29:51 PM	R32288
Lead	ND	0.0050		mg/L	1	2/19/2016 1:27:59 PM	R32288
Magnesium	46	1.0		mg/L	1	2/19/2016 1:27:59 PM	R32288
Potassium	4.0	1.0		mg/L	1	2/19/2016 1:27:59 PM	R32288
Sodium	610	10		mg/L	10	2/29/2016 12:53:07 PM	A32463
EPA 6010B: TOTAL RECOVERABLE METALS						Analyst: **ELS**	
Arsenic	ND	0.020		mg/L	1	2/19/2016 12:37:21 PM	23820
Barium	0.068	0.020		mg/L	1	2/19/2016 12:37:21 PM	23820
Cadmium	ND	0.0020		mg/L	1	2/19/2016 12:37:21 PM	23820
Chromium	0.0066	0.0060		mg/L	1	2/19/2016 12:37:21 PM	23820
Lead	ND	0.0050		mg/L	1	2/19/2016 12:37:21 PM	23820
Selenium	ND	0.050		mg/L	1	2/19/2016 12:37:21 PM	23820
Silver	ND	0.0050		mg/L	1	2/19/2016 12:37:21 PM	23820
EPA METHOD 8015M/D: DIESEL RANGE						Analyst: **KJH**	
Diesel Range Organics (DRO)	ND	1.0		mg/L	1	2/19/2016 5:34:21 PM	23831
Motor Oil Range Organics (MRO)	ND	5.0		mg/L	1	2/19/2016 5:34:21 PM	23831
Surr: DNOP	111	70-141		%Rec	1	2/19/2016 5:34:21 PM	23831
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **NSB**	

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

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Biotech Remediation, Inc. **Client Sample ID:** TW-2
Project: Thriftway #810 **Collection Date:** 2/16/2016 10:15:00 AM
Lab ID: 1602752-002 **Matrix:** AQUEOUS **Received Date:** 2/18/2016 7:00:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **NSB**	
Gasoline Range Organics (GRO)	ND	0.050		mg/L	1	2/19/2016 2:34:37 PM	B32265
Surr: BFB	87.0	49.5-130		%Rec	1	2/19/2016 2:34:37 PM	B32265
EPA METHOD 8270C: PAHS						Analyst: **DAM**	
Naphthalene	ND	0.50		µg/L	1	2/22/2016 2:18:57 PM	23851
1-Methylnaphthalene	ND	0.50		µg/L	1	2/22/2016 2:18:57 PM	23851
2-Methylnaphthalene	ND	0.50		µg/L	1	2/22/2016 2:18:57 PM	23851
Acenaphthylene	ND	0.50		µg/L	1	2/22/2016 2:18:57 PM	23851
Acenaphthene	ND	0.50		µg/L	1	2/22/2016 2:18:57 PM	23851
Fluorene	ND	0.50		µg/L	1	2/22/2016 2:18:57 PM	23851
Phenanthrene	ND	0.50		µg/L	1	2/22/2016 2:18:57 PM	23851
Anthracene	ND	0.50		µg/L	1	2/22/2016 2:18:57 PM	23851
Fluoranthene	ND	0.50		µg/L	1	2/22/2016 2:18:57 PM	23851
Pyrene	ND	0.50		µg/L	1	2/22/2016 2:18:57 PM	23851
Benz(a)anthracene	ND	0.50		µg/L	1	2/22/2016 2:18:57 PM	23851
Chrysene	ND	0.50		µg/L	1	2/22/2016 2:18:57 PM	23851
Benzo(b)fluoranthene	ND	0.50		µg/L	1	2/22/2016 2:18:57 PM	23851
Benzo(k)fluoranthene	ND	0.50		µg/L	1	2/22/2016 2:18:57 PM	23851
Benzo(a)pyrene	ND	0.50		µg/L	1	2/22/2016 2:18:57 PM	23851
Dibenz(a,h)anthracene	ND	0.50		µg/L	1	2/22/2016 2:18:57 PM	23851
Benzo(g,h,i)perylene	ND	0.50		µg/L	1	2/22/2016 2:18:57 PM	23851
Indeno(1,2,3-cd)pyrene	ND	0.50		µg/L	1	2/22/2016 2:18:57 PM	23851
Surr: N-hexadecane	33.9	20.2-162		%Rec	1	2/22/2016 2:18:57 PM	23851
Surr: Benzo(e)pyrene	33.5	21.1-159		%Rec	1	2/22/2016 2:18:57 PM	23851
EPA METHOD 8260B: VOLATILES						Analyst: **AG**	
Benzene	ND	1.0		µg/L	1	2/18/2016 2:49:54 PM	A32246
Toluene	ND	1.0		µg/L	1	2/18/2016 2:49:54 PM	A32246
Ethylbenzene	ND	1.0		µg/L	1	2/18/2016 2:49:54 PM	A32246
Methyl tert-butyl ether (MTBE)	ND	1.0		µg/L	1	2/18/2016 2:49:54 PM	A32246
1,2,4-Trimethylbenzene	ND	1.0		µg/L	1	2/18/2016 2:49:54 PM	A32246
1,3,5-Trimethylbenzene	ND	1.0		µg/L	1	2/18/2016 2:49:54 PM	A32246
1,2-Dichloroethane (EDC)	ND	1.0		µg/L	1	2/18/2016 2:49:54 PM	A32246
1,2-Dibromoethane (EDB)	ND	1.0		µg/L	1	2/18/2016 2:49:54 PM	A32246
Naphthalene	ND	2.0		µg/L	1	2/18/2016 2:49:54 PM	A32246
1-Methylnaphthalene	ND	4.0		µg/L	1	2/18/2016 2:49:54 PM	A32246
2-Methylnaphthalene	ND	4.0		µg/L	1	2/18/2016 2:49:54 PM	A32246
Acetone	ND	10		µg/L	1	2/18/2016 2:49:54 PM	A32246
Bromobenzene	ND	1.0		µg/L	1	2/18/2016 2:49:54 PM	A32246
Bromodichloromethane	ND	1.0		µg/L	1	2/18/2016 2:49:54 PM	A32246

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Hall Environmental Analysis Laboratory, Inc.

CLIENT: Biotech Remediation, Inc. **Client Sample ID:** TW-2
Project: Thriftway #810 **Collection Date:** 2/16/2016 10:15:00 AM
Lab ID: 1602752-002 **Matrix:** AQUEOUS **Received Date:** 2/18/2016 7:00:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8260B: VOLATILES						Analyst: **AG**	
Bromoform	ND	1.0		µg/L	1	2/18/2016 2:49:54 PM	A32246
Bromomethane	ND	3.0		µg/L	1	2/18/2016 2:49:54 PM	A32246
2-Butanone	ND	10		µg/L	1	2/18/2016 2:49:54 PM	A32246
Carbon disulfide	ND	10		µg/L	1	2/18/2016 2:49:54 PM	A32246
Carbon Tetrachloride	ND	1.0		µg/L	1	2/18/2016 2:49:54 PM	A32246
Chlorobenzene	ND	1.0		µg/L	1	2/18/2016 2:49:54 PM	A32246
Chloroethane	ND	2.0		µg/L	1	2/18/2016 2:49:54 PM	A32246
Chloroform	ND	1.0		µg/L	1	2/18/2016 2:49:54 PM	A32246
Chloromethane	ND	3.0		µg/L	1	2/18/2016 2:49:54 PM	A32246
2-Chlorotoluene	ND	1.0		µg/L	1	2/18/2016 2:49:54 PM	A32246
4-Chlorotoluene	ND	1.0		µg/L	1	2/18/2016 2:49:54 PM	A32246
cis-1,2-DCE	ND	1.0		µg/L	1	2/18/2016 2:49:54 PM	A32246
cis-1,3-Dichloropropene	ND	1.0		µg/L	1	2/18/2016 2:49:54 PM	A32246
1,2-Dibromo-3-chloropropane	ND	2.0		µg/L	1	2/18/2016 2:49:54 PM	A32246
Dibromochloromethane	ND	1.0		µg/L	1	2/18/2016 2:49:54 PM	A32246
Dibromomethane	ND	1.0		µg/L	1	2/18/2016 2:49:54 PM	A32246
1,2-Dichlorobenzene	ND	1.0		µg/L	1	2/18/2016 2:49:54 PM	A32246
1,3-Dichlorobenzene	ND	1.0		µg/L	1	2/18/2016 2:49:54 PM	A32246
1,4-Dichlorobenzene	ND	1.0		µg/L	1	2/18/2016 2:49:54 PM	A32246
Dichlorodifluoromethane	ND	1.0		µg/L	1	2/18/2016 2:49:54 PM	A32246
1,1-Dichloroethane	ND	1.0		µg/L	1	2/18/2016 2:49:54 PM	A32246
1,1-Dichloroethene	ND	1.0		µg/L	1	2/18/2016 2:49:54 PM	A32246
1,2-Dichloropropane	ND	1.0		µg/L	1	2/18/2016 2:49:54 PM	A32246
1,3-Dichloropropane	ND	1.0		µg/L	1	2/18/2016 2:49:54 PM	A32246
2,2-Dichloropropane	ND	2.0		µg/L	1	2/18/2016 2:49:54 PM	A32246
1,1-Dichloropropene	ND	1.0		µg/L	1	2/18/2016 2:49:54 PM	A32246
Hexachlorobutadiene	ND	1.0		µg/L	1	2/18/2016 2:49:54 PM	A32246
2-Hexanone	ND	10		µg/L	1	2/18/2016 2:49:54 PM	A32246
Isopropylbenzene	ND	1.0		µg/L	1	2/18/2016 2:49:54 PM	A32246
4-Isopropyltoluene	ND	1.0		µg/L	1	2/18/2016 2:49:54 PM	A32246
4-Methyl-2-pentanone	ND	10		µg/L	1	2/18/2016 2:49:54 PM	A32246
Methylene Chloride	ND	3.0		µg/L	1	2/18/2016 2:49:54 PM	A32246
n-Butylbenzene	ND	3.0		µg/L	1	2/18/2016 2:49:54 PM	A32246
n-Propylbenzene	ND	1.0		µg/L	1	2/18/2016 2:49:54 PM	A32246
sec-Butylbenzene	ND	1.0		µg/L	1	2/18/2016 2:49:54 PM	A32246
Styrene	ND	1.0		µg/L	1	2/18/2016 2:49:54 PM	A32246
tert-Butylbenzene	ND	1.0		µg/L	1	2/18/2016 2:49:54 PM	A32246
1,1,1,2-Tetrachloroethane	ND	1.0		µg/L	1	2/18/2016 2:49:54 PM	A32246
1,1,2,2-Tetrachloroethane	ND	2.0		µg/L	1	2/18/2016 2:49:54 PM	A32246

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

Qualifiers:

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

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Biotech Remediation, Inc. **Client Sample ID:** TW-2
Project: Thriftway #810 **Collection Date:** 2/16/2016 10:15:00 AM
Lab ID: 1602752-002 **Matrix:** AQUEOUS **Received Date:** 2/18/2016 7:00:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8260B: VOLATILES						Analyst: **AG**	
Tetrachloroethene (PCE)	ND	1.0		µg/L	1	2/18/2016 2:49:54 PM	A32246
trans-1,2-DCE	ND	1.0		µg/L	1	2/18/2016 2:49:54 PM	A32246
trans-1,3-Dichloropropene	ND	1.0		µg/L	1	2/18/2016 2:49:54 PM	A32246
1,2,3-Trichlorobenzene	ND	1.0		µg/L	1	2/18/2016 2:49:54 PM	A32246
1,2,4-Trichlorobenzene	ND	1.0		µg/L	1	2/18/2016 2:49:54 PM	A32246
1,1,1-Trichloroethane	ND	1.0		µg/L	1	2/18/2016 2:49:54 PM	A32246
1,1,2-Trichloroethane	ND	1.0		µg/L	1	2/18/2016 2:49:54 PM	A32246
Trichloroethene (TCE)	ND	1.0		µg/L	1	2/18/2016 2:49:54 PM	A32246
Trichlorofluoromethane	ND	1.0		µg/L	1	2/18/2016 2:49:54 PM	A32246
1,2,3-Trichloropropane	ND	2.0		µg/L	1	2/18/2016 2:49:54 PM	A32246
Vinyl chloride	ND	1.0		µg/L	1	2/18/2016 2:49:54 PM	A32246
Xylenes, Total	ND	1.5		µg/L	1	2/18/2016 2:49:54 PM	A32246
Surr: 1,2-Dichloroethane-d4	103	70-130		%Rec	1	2/18/2016 2:49:54 PM	A32246
Surr: 4-Bromofluorobenzene	105	70-130		%Rec	1	2/18/2016 2:49:54 PM	A32246
Surr: Dibromofluoromethane	113	70-130		%Rec	1	2/18/2016 2:49:54 PM	A32246
Surr: Toluene-d8	101	70-130		%Rec	1	2/18/2016 2:49:54 PM	A32246

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

Qualifiers:

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

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Biotech Remediation, Inc. **Client Sample ID:** TW-4
Project: Thriftway #810 **Collection Date:** 2/16/2016 11:20:00 AM
Lab ID: 1602752-003 **Matrix:** AQUEOUS **Received Date:** 2/18/2016 7:00:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analyst: **LGT**	
Fluoride	0.76	0.10		mg/L	1	3/2/2016 11:08:04 AM	R32517
Chloride	120	10		mg/L	20	3/2/2016 2:18:56 PM	R32545
Bromide	0.66	0.10		mg/L	1	2/23/2016 4:23:52 AM	A32324
Phosphorus, Orthophosphate (As P)	ND	10	H	mg/L	20	3/2/2016 2:18:56 PM	R32545
Sulfate	3500	50		mg/L	100	3/2/2016 2:31:21 PM	R32545
Nitrate+Nitrite as N	ND	1.0		mg/L	5	2/24/2016 12:07:03 PM	R32385
SM2510B: SPECIFIC CONDUCTANCE						Analyst: **JRR**	
Conductivity	5900	0.010		µmhos/cm	1	2/24/2016 3:53:26 PM	R32387
SM2320B: ALKALINITY						Analyst: **JRR**	
Bicarbonate (As CaCO3)	257.3	20.00		mg/L CaCO3	1	2/24/2016 3:53:26 PM	R32387
Carbonate (As CaCO3)	ND	2.000		mg/L CaCO3	1	2/24/2016 3:53:26 PM	R32387
Total Alkalinity (as CaCO3)	257.3	20.00		mg/L CaCO3	1	2/24/2016 3:53:26 PM	R32387
SM2540C MOD: TOTAL DISSOLVED SOLIDS						Analyst: **KS**	
Total Dissolved Solids	5240	100	*D	mg/L	1	2/22/2016 7:18:00 PM	23844
EPA METHOD 7470: MERCURY						Analyst: **pmf**	
Mercury	ND	0.00020		mg/L	1	2/19/2016 12:01:11 PM	23821
EPA METHOD 6010B: DISSOLVED METALS						Analyst: **ELS**	
Calcium	470	5.0		mg/L	5	2/19/2016 1:33:30 PM	R32288
Lead	ND	0.0050		mg/L	1	2/19/2016 1:31:34 PM	R32288
Magnesium	54	1.0		mg/L	1	2/19/2016 1:31:34 PM	R32288
Potassium	4.8	1.0		mg/L	1	2/19/2016 1:31:34 PM	R32288
Sodium	900	20		mg/L	20	2/29/2016 12:54:57 PM	A32463
EPA 6010B: TOTAL RECOVERABLE METALS						Analyst: **ELS**	
Arsenic	ND	0.020		mg/L	1	2/19/2016 12:38:58 PM	23820
Barium	0.27	0.020		mg/L	1	2/19/2016 12:38:58 PM	23820
Cadmium	ND	0.0020		mg/L	1	2/19/2016 12:38:58 PM	23820
Chromium	0.0083	0.0060		mg/L	1	2/19/2016 12:38:58 PM	23820
Lead	ND	0.0050		mg/L	1	2/19/2016 12:38:58 PM	23820
Selenium	ND	0.050		mg/L	1	2/19/2016 12:38:58 PM	23820
Silver	ND	0.0050		mg/L	1	2/19/2016 12:38:58 PM	23820
EPA METHOD 8015M/D: DIESEL RANGE						Analyst: **KJH**	
Diesel Range Organics (DRO)	ND	1.0		mg/L	1	2/19/2016 5:56:16 PM	23831
Motor Oil Range Organics (MRO)	ND	5.0		mg/L	1	2/19/2016 5:56:16 PM	23831
Surr: DNOP	111	70-141		%Rec	1	2/19/2016 5:56:16 PM	23831
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **NSB**	

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

Qualifiers:

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

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Biotech Remediation, Inc. **Client Sample ID:** TW-4
Project: Thriftway #810 **Collection Date:** 2/16/2016 11:20:00 AM
Lab ID: 1602752-003 **Matrix:** AQUEOUS **Received Date:** 2/18/2016 7:00:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **NSB**	
Gasoline Range Organics (GRO)	ND	0.050		mg/L	1	2/19/2016 2:59:11 PM	B32265
Surr: BFB	87.2	49.5-130		%Rec	1	2/19/2016 2:59:11 PM	B32265
EPA METHOD 8270C: PAHS						Analyst: **DAM**	
Naphthalene	ND	0.50		µg/L	1	2/22/2016 7:09:32 PM	23851
1-Methylnaphthalene	ND	0.50		µg/L	1	2/22/2016 7:09:32 PM	23851
2-Methylnaphthalene	ND	0.50		µg/L	1	2/22/2016 7:09:32 PM	23851
Acenaphthylene	ND	0.50		µg/L	1	2/22/2016 7:09:32 PM	23851
Acenaphthene	ND	0.50		µg/L	1	2/22/2016 7:09:32 PM	23851
Fluorene	ND	0.50		µg/L	1	2/22/2016 7:09:32 PM	23851
Phenanthrene	ND	0.50		µg/L	1	2/22/2016 7:09:32 PM	23851
Anthracene	ND	0.50		µg/L	1	2/22/2016 7:09:32 PM	23851
Fluoranthene	ND	0.50		µg/L	1	2/22/2016 7:09:32 PM	23851
Pyrene	ND	0.50		µg/L	1	2/22/2016 7:09:32 PM	23851
Benz(a)anthracene	ND	0.50		µg/L	1	2/22/2016 7:09:32 PM	23851
Chrysene	ND	0.50		µg/L	1	2/22/2016 7:09:32 PM	23851
Benzo(b)fluoranthene	ND	0.50		µg/L	1	2/22/2016 7:09:32 PM	23851
Benzo(k)fluoranthene	ND	0.50		µg/L	1	2/22/2016 7:09:32 PM	23851
Benzo(a)pyrene	ND	0.50		µg/L	1	2/22/2016 7:09:32 PM	23851
Dibenz(a,h)anthracene	ND	0.50		µg/L	1	2/22/2016 7:09:32 PM	23851
Benzo(g,h,i)perylene	ND	0.50		µg/L	1	2/22/2016 7:09:32 PM	23851
Indeno(1,2,3-cd)pyrene	ND	0.50		µg/L	1	2/22/2016 7:09:32 PM	23851
Surr: N-hexadecane	40.5	20.2-162		%Rec	1	2/22/2016 7:09:32 PM	23851
Surr: Benzo(e)pyrene	36.2	21.1-159		%Rec	1	2/22/2016 7:09:32 PM	23851
EPA METHOD 8260B: VOLATILES						Analyst: **AG**	
Benzene	ND	1.0		µg/L	1	2/18/2016 4:16:06 PM	A32246
Toluene	ND	1.0		µg/L	1	2/18/2016 4:16:06 PM	A32246
Ethylbenzene	ND	1.0		µg/L	1	2/18/2016 4:16:06 PM	A32246
Methyl tert-butyl ether (MTBE)	ND	1.0		µg/L	1	2/18/2016 4:16:06 PM	A32246
1,2,4-Trimethylbenzene	ND	1.0		µg/L	1	2/18/2016 4:16:06 PM	A32246
1,3,5-Trimethylbenzene	ND	1.0		µg/L	1	2/18/2016 4:16:06 PM	A32246
1,2-Dichloroethane (EDC)	ND	1.0		µg/L	1	2/18/2016 4:16:06 PM	A32246
1,2-Dibromoethane (EDB)	ND	1.0		µg/L	1	2/18/2016 4:16:06 PM	A32246
Naphthalene	ND	2.0		µg/L	1	2/18/2016 4:16:06 PM	A32246
1-Methylnaphthalene	ND	4.0		µg/L	1	2/18/2016 4:16:06 PM	A32246
2-Methylnaphthalene	ND	4.0		µg/L	1	2/18/2016 4:16:06 PM	A32246
Acetone	ND	10		µg/L	1	2/18/2016 4:16:06 PM	A32246
Bromobenzene	ND	1.0		µg/L	1	2/18/2016 4:16:06 PM	A32246
Bromodichloromethane	ND	1.0		µg/L	1	2/18/2016 4:16:06 PM	A32246

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

Qualifiers:

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

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Biotech Remediation, Inc. **Client Sample ID:** TW-4
Project: Thriftway #810 **Collection Date:** 2/16/2016 11:20:00 AM
Lab ID: 1602752-003 **Matrix:** AQUEOUS **Received Date:** 2/18/2016 7:00:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8260B: VOLATILES						Analyst: **AG**	
Bromoform	ND	1.0		µg/L	1	2/18/2016 4:16:06 PM	A32246
Bromomethane	ND	3.0		µg/L	1	2/18/2016 4:16:06 PM	A32246
2-Butanone	ND	10		µg/L	1	2/18/2016 4:16:06 PM	A32246
Carbon disulfide	ND	10		µg/L	1	2/18/2016 4:16:06 PM	A32246
Carbon Tetrachloride	ND	1.0		µg/L	1	2/18/2016 4:16:06 PM	A32246
Chlorobenzene	ND	1.0		µg/L	1	2/18/2016 4:16:06 PM	A32246
Chloroethane	ND	2.0		µg/L	1	2/18/2016 4:16:06 PM	A32246
Chloroform	ND	1.0		µg/L	1	2/18/2016 4:16:06 PM	A32246
Chloromethane	ND	3.0		µg/L	1	2/18/2016 4:16:06 PM	A32246
2-Chlorotoluene	ND	1.0		µg/L	1	2/18/2016 4:16:06 PM	A32246
4-Chlorotoluene	ND	1.0		µg/L	1	2/18/2016 4:16:06 PM	A32246
cis-1,2-DCE	ND	1.0		µg/L	1	2/18/2016 4:16:06 PM	A32246
cis-1,3-Dichloropropene	ND	1.0		µg/L	1	2/18/2016 4:16:06 PM	A32246
1,2-Dibromo-3-chloropropane	ND	2.0		µg/L	1	2/18/2016 4:16:06 PM	A32246
Dibromochloromethane	ND	1.0		µg/L	1	2/18/2016 4:16:06 PM	A32246
Dibromomethane	ND	1.0		µg/L	1	2/18/2016 4:16:06 PM	A32246
1,2-Dichlorobenzene	ND	1.0		µg/L	1	2/18/2016 4:16:06 PM	A32246
1,3-Dichlorobenzene	ND	1.0		µg/L	1	2/18/2016 4:16:06 PM	A32246
1,4-Dichlorobenzene	ND	1.0		µg/L	1	2/18/2016 4:16:06 PM	A32246
Dichlorodifluoromethane	ND	1.0		µg/L	1	2/18/2016 4:16:06 PM	A32246
1,1-Dichloroethane	ND	1.0		µg/L	1	2/18/2016 4:16:06 PM	A32246
1,1-Dichloroethene	ND	1.0		µg/L	1	2/18/2016 4:16:06 PM	A32246
1,2-Dichloropropane	ND	1.0		µg/L	1	2/18/2016 4:16:06 PM	A32246
1,3-Dichloropropane	ND	1.0		µg/L	1	2/18/2016 4:16:06 PM	A32246
2,2-Dichloropropane	ND	2.0		µg/L	1	2/18/2016 4:16:06 PM	A32246
1,1-Dichloropropene	ND	1.0		µg/L	1	2/18/2016 4:16:06 PM	A32246
Hexachlorobutadiene	ND	1.0		µg/L	1	2/18/2016 4:16:06 PM	A32246
2-Hexanone	ND	10		µg/L	1	2/18/2016 4:16:06 PM	A32246
Isopropylbenzene	ND	1.0		µg/L	1	2/18/2016 4:16:06 PM	A32246
4-Isopropyltoluene	ND	1.0		µg/L	1	2/18/2016 4:16:06 PM	A32246
4-Methyl-2-pentanone	ND	10		µg/L	1	2/18/2016 4:16:06 PM	A32246
Methylene Chloride	ND	3.0		µg/L	1	2/18/2016 4:16:06 PM	A32246
n-Butylbenzene	ND	3.0		µg/L	1	2/18/2016 4:16:06 PM	A32246
n-Propylbenzene	ND	1.0		µg/L	1	2/18/2016 4:16:06 PM	A32246
sec-Butylbenzene	ND	1.0		µg/L	1	2/18/2016 4:16:06 PM	A32246
Styrene	ND	1.0		µg/L	1	2/18/2016 4:16:06 PM	A32246
tert-Butylbenzene	ND	1.0		µg/L	1	2/18/2016 4:16:06 PM	A32246
1,1,1,2-Tetrachloroethane	ND	1.0		µg/L	1	2/18/2016 4:16:06 PM	A32246
1,1,2,2-Tetrachloroethane	ND	2.0		µg/L	1	2/18/2016 4:16:06 PM	A32246

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

Qualifiers:

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

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Biotech Remediation, Inc. **Client Sample ID:** TW-4
Project: Thriftway #810 **Collection Date:** 2/16/2016 11:20:00 AM
Lab ID: 1602752-003 **Matrix:** AQUEOUS **Received Date:** 2/18/2016 7:00:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8260B: VOLATILES						Analyst: **AG**	
Tetrachloroethene (PCE)	ND	1.0		µg/L	1	2/18/2016 4:16:06 PM	A32246
trans-1,2-DCE	ND	1.0		µg/L	1	2/18/2016 4:16:06 PM	A32246
trans-1,3-Dichloropropene	ND	1.0		µg/L	1	2/18/2016 4:16:06 PM	A32246
1,2,3-Trichlorobenzene	ND	1.0		µg/L	1	2/18/2016 4:16:06 PM	A32246
1,2,4-Trichlorobenzene	ND	1.0		µg/L	1	2/18/2016 4:16:06 PM	A32246
1,1,1-Trichloroethane	ND	1.0		µg/L	1	2/18/2016 4:16:06 PM	A32246
1,1,2-Trichloroethane	ND	1.0		µg/L	1	2/18/2016 4:16:06 PM	A32246
Trichloroethene (TCE)	ND	1.0		µg/L	1	2/18/2016 4:16:06 PM	A32246
Trichlorofluoromethane	ND	1.0		µg/L	1	2/18/2016 4:16:06 PM	A32246
1,2,3-Trichloropropane	ND	2.0		µg/L	1	2/18/2016 4:16:06 PM	A32246
Vinyl chloride	ND	1.0		µg/L	1	2/18/2016 4:16:06 PM	A32246
Xylenes, Total	ND	1.5		µg/L	1	2/18/2016 4:16:06 PM	A32246
Surr: 1,2-Dichloroethane-d4	100	70-130		%Rec	1	2/18/2016 4:16:06 PM	A32246
Surr: 4-Bromofluorobenzene	103	70-130		%Rec	1	2/18/2016 4:16:06 PM	A32246
Surr: Dibromofluoromethane	114	70-130		%Rec	1	2/18/2016 4:16:06 PM	A32246
Surr: Toluene-d8	99.6	70-130		%Rec	1	2/18/2016 4:16:06 PM	A32246

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

Qualifiers:

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

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Biotech Remediation, Inc. **Client Sample ID:** TW-8
Project: Thriftway #810 **Collection Date:** 2/16/2016 12:05:00 PM
Lab ID: 1602752-004 **Matrix:** AQUEOUS **Received Date:** 2/18/2016 7:00:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analyst:	**LGT**
Fluoride	0.61	0.10		mg/L	1	3/2/2016 11:20:28 AM	R32517
Chloride	110	10		mg/L	20	3/2/2016 2:43:46 PM	R32545
Bromide	0.67	0.10		mg/L	1	2/23/2016 5:13:30 AM	A32324
Phosphorus, Orthophosphate (As P)	ND	10	H	mg/L	20	3/2/2016 2:43:46 PM	R32545
Sulfate	2100	50		mg/L	100	3/2/2016 2:56:10 PM	R32545
Nitrate+Nitrite as N	ND	1.0		mg/L	5	2/24/2016 12:19:27 PM	R32385
SM2510B: SPECIFIC CONDUCTANCE						Analyst:	**JRR**
Conductivity	4100	0.010		µmhos/cm	1	2/24/2016 4:07:33 PM	R32387
SM2320B: ALKALINITY						Analyst:	**JRR**
Bicarbonate (As CaCO3)	208.0	20.00		mg/L CaCO3	1	2/24/2016 4:07:33 PM	R32387
Carbonate (As CaCO3)	ND	2.000		mg/L CaCO3	1	2/24/2016 4:07:33 PM	R32387
Total Alkalinity (as CaCO3)	208.0	20.00		mg/L CaCO3	1	2/24/2016 4:07:33 PM	R32387
SM2540C MOD: TOTAL DISSOLVED SOLIDS						Analyst:	**KS**
Total Dissolved Solids	3700	40.0	*D	mg/L	1	2/22/2016 7:18:00 PM	23844
EPA METHOD 7470: MERCURY						Analyst:	**pmf**
Mercury	ND	0.00020		mg/L	1	2/19/2016 12:03:15 PM	23821
EPA METHOD 6010B: DISSOLVED METALS						Analyst:	**MED**
Calcium	500	10		mg/L	10	2/29/2016 12:56:46 PM	A32463
Lead	ND	0.0050		mg/L	1	2/19/2016 1:35:26 PM	R32288
Magnesium	43	1.0		mg/L	1	2/19/2016 1:35:26 PM	R32288
Potassium	4.6	1.0		mg/L	1	2/19/2016 1:35:26 PM	R32288
Sodium	530	10		mg/L	10	2/29/2016 12:56:46 PM	A32463
EPA 6010B: TOTAL RECOVERABLE METALS						Analyst:	**ELS**
Arsenic	ND	0.020		mg/L	1	2/19/2016 12:40:49 PM	23820
Barium	0.055	0.020		mg/L	1	2/19/2016 12:40:49 PM	23820
Cadmium	ND	0.0020		mg/L	1	2/19/2016 12:40:49 PM	23820
Chromium	ND	0.0060		mg/L	1	2/19/2016 12:40:49 PM	23820
Lead	ND	0.0050		mg/L	1	2/19/2016 12:40:49 PM	23820
Selenium	ND	0.050		mg/L	1	2/19/2016 12:40:49 PM	23820
Silver	ND	0.0050		mg/L	1	2/19/2016 12:40:49 PM	23820
EPA METHOD 8015M/D: DIESEL RANGE						Analyst:	**KJH**
Diesel Range Organics (DRO)	ND	1.0		mg/L	1	2/19/2016 6:17:58 PM	23831
Motor Oil Range Organics (MRO)	ND	5.0		mg/L	1	2/19/2016 6:17:58 PM	23831
Surr: DNOP	108	70-141		%Rec	1	2/19/2016 6:17:58 PM	23831
EPA METHOD 8015D: GASOLINE RANGE						Analyst:	**NSB**

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

Qualifiers:

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

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Biotech Remediation, Inc. **Client Sample ID:** TW-8
Project: Thriftway #810 **Collection Date:** 2/16/2016 12:05:00 PM
Lab ID: 1602752-004 **Matrix:** AQUEOUS **Received Date:** 2/18/2016 7:00:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **NSB**	
Gasoline Range Organics (GRO)	0.10	0.050		mg/L	1	2/19/2016 3:23:38 PM	B32265
Surr: BFB	91.9	49.5-130		%Rec	1	2/19/2016 3:23:38 PM	B32265
EPA METHOD 8270C: PAHS						Analyst: **DAM**	
Naphthalene	ND	0.50		µg/L	1	2/22/2016 2:43:07 PM	23851
1-Methylnaphthalene	ND	0.50		µg/L	1	2/22/2016 2:43:07 PM	23851
2-Methylnaphthalene	ND	0.50		µg/L	1	2/22/2016 2:43:07 PM	23851
Acenaphthylene	ND	0.50		µg/L	1	2/22/2016 2:43:07 PM	23851
Acenaphthene	ND	0.50		µg/L	1	2/22/2016 2:43:07 PM	23851
Fluorene	ND	0.50		µg/L	1	2/22/2016 2:43:07 PM	23851
Phenanthrene	ND	0.50		µg/L	1	2/22/2016 2:43:07 PM	23851
Anthracene	ND	0.50		µg/L	1	2/22/2016 2:43:07 PM	23851
Fluoranthene	ND	0.50		µg/L	1	2/22/2016 2:43:07 PM	23851
Pyrene	ND	0.50		µg/L	1	2/22/2016 2:43:07 PM	23851
Benz(a)anthracene	ND	0.50		µg/L	1	2/22/2016 2:43:07 PM	23851
Chrysene	ND	0.50		µg/L	1	2/22/2016 2:43:07 PM	23851
Benzo(b)fluoranthene	ND	0.50		µg/L	1	2/22/2016 2:43:07 PM	23851
Benzo(k)fluoranthene	ND	0.50		µg/L	1	2/22/2016 2:43:07 PM	23851
Benzo(a)pyrene	ND	0.50		µg/L	1	2/22/2016 2:43:07 PM	23851
Dibenz(a,h)anthracene	ND	0.50		µg/L	1	2/22/2016 2:43:07 PM	23851
Benzo(g,h,i)perylene	ND	0.50		µg/L	1	2/22/2016 2:43:07 PM	23851
Indeno(1,2,3-cd)pyrene	ND	0.50		µg/L	1	2/22/2016 2:43:07 PM	23851
Surr: N-hexadecane	37.3	20.2-162		%Rec	1	2/22/2016 2:43:07 PM	23851
Surr: Benzo(e)pyrene	37.0	21.1-159		%Rec	1	2/22/2016 2:43:07 PM	23851
EPA METHOD 8260B: VOLATILES						Analyst: **AG**	
Benzene	ND	1.0		µg/L	1	2/18/2016 4:44:58 PM	A32246
Toluene	ND	1.0		µg/L	1	2/18/2016 4:44:58 PM	A32246
Ethylbenzene	ND	1.0		µg/L	1	2/18/2016 4:44:58 PM	A32246
Methyl tert-butyl ether (MTBE)	ND	1.0		µg/L	1	2/18/2016 4:44:58 PM	A32246
1,2,4-Trimethylbenzene	ND	1.0		µg/L	1	2/18/2016 4:44:58 PM	A32246
1,3,5-Trimethylbenzene	ND	1.0		µg/L	1	2/18/2016 4:44:58 PM	A32246
1,2-Dichloroethane (EDC)	ND	1.0		µg/L	1	2/18/2016 4:44:58 PM	A32246
1,2-Dibromoethane (EDB)	ND	1.0		µg/L	1	2/18/2016 4:44:58 PM	A32246
Naphthalene	ND	2.0		µg/L	1	2/18/2016 4:44:58 PM	A32246
1-Methylnaphthalene	ND	4.0		µg/L	1	2/18/2016 4:44:58 PM	A32246
2-Methylnaphthalene	ND	4.0		µg/L	1	2/18/2016 4:44:58 PM	A32246
Acetone	ND	10		µg/L	1	2/18/2016 4:44:58 PM	A32246
Bromobenzene	ND	1.0		µg/L	1	2/18/2016 4:44:58 PM	A32246
Bromodichloromethane	ND	1.0		µg/L	1	2/18/2016 4:44:58 PM	A32246

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

Qualifiers:

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

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Biotech Remediation, Inc. **Client Sample ID:** TW-8
Project: Thriftway #810 **Collection Date:** 2/16/2016 12:05:00 PM
Lab ID: 1602752-004 **Matrix:** AQUEOUS **Received Date:** 2/18/2016 7:00:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8260B: VOLATILES						Analyst: **AG**	
Bromoform	ND	1.0		µg/L	1	2/18/2016 4:44:58 PM	A32246
Bromomethane	ND	3.0		µg/L	1	2/18/2016 4:44:58 PM	A32246
2-Butanone	ND	10		µg/L	1	2/18/2016 4:44:58 PM	A32246
Carbon disulfide	ND	10		µg/L	1	2/18/2016 4:44:58 PM	A32246
Carbon Tetrachloride	ND	1.0		µg/L	1	2/18/2016 4:44:58 PM	A32246
Chlorobenzene	ND	1.0		µg/L	1	2/18/2016 4:44:58 PM	A32246
Chloroethane	ND	2.0		µg/L	1	2/18/2016 4:44:58 PM	A32246
Chloroform	ND	1.0		µg/L	1	2/18/2016 4:44:58 PM	A32246
Chloromethane	ND	3.0		µg/L	1	2/18/2016 4:44:58 PM	A32246
2-Chlorotoluene	ND	1.0		µg/L	1	2/18/2016 4:44:58 PM	A32246
4-Chlorotoluene	ND	1.0		µg/L	1	2/18/2016 4:44:58 PM	A32246
cis-1,2-DCE	ND	1.0		µg/L	1	2/18/2016 4:44:58 PM	A32246
cis-1,3-Dichloropropene	ND	1.0		µg/L	1	2/18/2016 4:44:58 PM	A32246
1,2-Dibromo-3-chloropropane	ND	2.0		µg/L	1	2/18/2016 4:44:58 PM	A32246
Dibromochloromethane	ND	1.0		µg/L	1	2/18/2016 4:44:58 PM	A32246
Dibromomethane	ND	1.0		µg/L	1	2/18/2016 4:44:58 PM	A32246
1,2-Dichlorobenzene	ND	1.0		µg/L	1	2/18/2016 4:44:58 PM	A32246
1,3-Dichlorobenzene	ND	1.0		µg/L	1	2/18/2016 4:44:58 PM	A32246
1,4-Dichlorobenzene	ND	1.0		µg/L	1	2/18/2016 4:44:58 PM	A32246
Dichlorodifluoromethane	ND	1.0		µg/L	1	2/18/2016 4:44:58 PM	A32246
1,1-Dichloroethane	ND	1.0		µg/L	1	2/18/2016 4:44:58 PM	A32246
1,1-Dichloroethene	ND	1.0		µg/L	1	2/18/2016 4:44:58 PM	A32246
1,2-Dichloropropane	ND	1.0		µg/L	1	2/18/2016 4:44:58 PM	A32246
1,3-Dichloropropane	ND	1.0		µg/L	1	2/18/2016 4:44:58 PM	A32246
2,2-Dichloropropane	ND	2.0		µg/L	1	2/18/2016 4:44:58 PM	A32246
1,1-Dichloropropene	ND	1.0		µg/L	1	2/18/2016 4:44:58 PM	A32246
Hexachlorobutadiene	ND	1.0		µg/L	1	2/18/2016 4:44:58 PM	A32246
2-Hexanone	ND	10		µg/L	1	2/18/2016 4:44:58 PM	A32246
Isopropylbenzene	ND	1.0		µg/L	1	2/18/2016 4:44:58 PM	A32246
4-Isopropyltoluene	ND	1.0		µg/L	1	2/18/2016 4:44:58 PM	A32246
4-Methyl-2-pentanone	ND	10		µg/L	1	2/18/2016 4:44:58 PM	A32246
Methylene Chloride	ND	3.0		µg/L	1	2/18/2016 4:44:58 PM	A32246
n-Butylbenzene	ND	3.0		µg/L	1	2/18/2016 4:44:58 PM	A32246
n-Propylbenzene	ND	1.0		µg/L	1	2/18/2016 4:44:58 PM	A32246
sec-Butylbenzene	ND	1.0		µg/L	1	2/18/2016 4:44:58 PM	A32246
Styrene	ND	1.0		µg/L	1	2/18/2016 4:44:58 PM	A32246
tert-Butylbenzene	ND	1.0		µg/L	1	2/18/2016 4:44:58 PM	A32246
1,1,1,2-Tetrachloroethane	ND	1.0		µg/L	1	2/18/2016 4:44:58 PM	A32246
1,1,2,2-Tetrachloroethane	ND	2.0		µg/L	1	2/18/2016 4:44:58 PM	A32246

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

Qualifiers:

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

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Biotech Remediation, Inc. **Client Sample ID:** TW-8
Project: Thriftway #810 **Collection Date:** 2/16/2016 12:05:00 PM
Lab ID: 1602752-004 **Matrix:** AQUEOUS **Received Date:** 2/18/2016 7:00:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8260B: VOLATILES						Analyst: **AG**	
Tetrachloroethene (PCE)	ND	1.0		µg/L	1	2/18/2016 4:44:58 PM	A32246
trans-1,2-DCE	ND	1.0		µg/L	1	2/18/2016 4:44:58 PM	A32246
trans-1,3-Dichloropropene	ND	1.0		µg/L	1	2/18/2016 4:44:58 PM	A32246
1,2,3-Trichlorobenzene	ND	1.0		µg/L	1	2/18/2016 4:44:58 PM	A32246
1,2,4-Trichlorobenzene	ND	1.0		µg/L	1	2/18/2016 4:44:58 PM	A32246
1,1,1-Trichloroethane	ND	1.0		µg/L	1	2/18/2016 4:44:58 PM	A32246
1,1,2-Trichloroethane	ND	1.0		µg/L	1	2/18/2016 4:44:58 PM	A32246
Trichloroethene (TCE)	ND	1.0		µg/L	1	2/18/2016 4:44:58 PM	A32246
Trichlorofluoromethane	ND	1.0		µg/L	1	2/18/2016 4:44:58 PM	A32246
1,2,3-Trichloropropane	ND	2.0		µg/L	1	2/18/2016 4:44:58 PM	A32246
Vinyl chloride	ND	1.0		µg/L	1	2/18/2016 4:44:58 PM	A32246
Xylenes, Total	ND	1.5		µg/L	1	2/18/2016 4:44:58 PM	A32246
Surr: 1,2-Dichloroethane-d4	101	70-130		%Rec	1	2/18/2016 4:44:58 PM	A32246
Surr: 4-Bromofluorobenzene	105	70-130		%Rec	1	2/18/2016 4:44:58 PM	A32246
Surr: Dibromofluoromethane	111	70-130		%Rec	1	2/18/2016 4:44:58 PM	A32246
Surr: Toluene-d8	100	70-130		%Rec	1	2/18/2016 4:44:58 PM	A32246

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

Qualifiers:

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D	Sample Diluted Due to Matrix	E	Value above quantitation range
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R	RPD outside accepted recovery limits	RL	Reporting Detection Limit
S	% Recovery outside of range due to dilution or matrix	W	Sample container temperature is out of limit as specified

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Biotech Remediation, Inc. **Client Sample ID:** TW-5
Project: Thriftway #810 **Collection Date:** 2/16/2016 12:45:00 PM
Lab ID: 1602752-005 **Matrix:** AQUEOUS **Received Date:** 2/18/2016 7:00:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analyst:	**LGT**
Fluoride	0.74	0.10		mg/L	1	3/2/2016 11:32:52 AM	R32517
Chloride	13	0.50		mg/L	1	3/2/2016 11:32:52 AM	R32517
Bromide	ND	0.10		mg/L	1	2/23/2016 5:38:19 AM	A32324
Phosphorus, Orthophosphate (As P)	ND	10	H	mg/L	20	3/2/2016 3:33:25 PM	R32545
Sulfate	1900	50		mg/L	100	3/2/2016 3:45:49 PM	R32545
Nitrate+Nitrite as N	3.4	1.0		mg/L	5	2/24/2016 12:31:52 PM	R32385
SM2510B: SPECIFIC CONDUCTANCE						Analyst:	**JRR**
Conductivity	3100	0.010		µmhos/cm	1	2/24/2016 4:20:18 PM	R32387
SM2320B: ALKALINITY						Analyst:	**JRR**
Bicarbonate (As CaCO3)	154.1	20.00		mg/L CaCO3	1	2/24/2016 4:20:18 PM	R32387
Carbonate (As CaCO3)	ND	2.000		mg/L CaCO3	1	2/24/2016 4:20:18 PM	R32387
Total Alkalinity (as CaCO3)	154.1	20.00		mg/L CaCO3	1	2/24/2016 4:20:18 PM	R32387
SM2540C MOD: TOTAL DISSOLVED SOLIDS						Analyst:	**KS**
Total Dissolved Solids	2860	100	*D	mg/L	1	2/22/2016 7:18:00 PM	23844
EPA METHOD 7470: MERCURY						Analyst:	**pmf**
Mercury	ND	0.00020		mg/L	1	2/19/2016 12:05:19 PM	23821
EPA METHOD 6010B: DISSOLVED METALS						Analyst:	**MED**
Calcium	520	10		mg/L	10	2/29/2016 1:05:51 PM	A32463
Lead	ND	0.0050		mg/L	1	2/19/2016 1:38:52 PM	R32288
Magnesium	34	1.0		mg/L	1	2/19/2016 1:38:52 PM	R32288
Potassium	2.6	1.0		mg/L	1	2/19/2016 1:38:52 PM	R32288
Sodium	280	5.0		mg/L	5	2/19/2016 1:46:05 PM	R32288
EPA 6010B: TOTAL RECOVERABLE METALS						Analyst:	**ELS**
Arsenic	ND	0.020		mg/L	1	2/19/2016 12:42:27 PM	23820
Barium	0.64	0.020		mg/L	1	2/19/2016 12:42:27 PM	23820
Cadmium	ND	0.0020		mg/L	1	2/19/2016 12:42:27 PM	23820
Chromium	0.019	0.0060		mg/L	1	2/19/2016 12:42:27 PM	23820
Lead	0.0062	0.0050		mg/L	1	2/19/2016 12:42:27 PM	23820
Selenium	ND	0.050		mg/L	1	2/19/2016 12:42:27 PM	23820
Silver	ND	0.0050		mg/L	1	2/19/2016 12:42:27 PM	23820
EPA METHOD 8015M/D: DIESEL RANGE						Analyst:	**KJH**
Diesel Range Organics (DRO)	ND	1.0		mg/L	1	2/19/2016 6:39:52 PM	23831
Motor Oil Range Organics (MRO)	ND	5.0		mg/L	1	2/19/2016 6:39:52 PM	23831
Surr: DNOP	113	70-141		%Rec	1	2/19/2016 6:39:52 PM	23831
EPA METHOD 8015D: GASOLINE RANGE						Analyst:	**NSB**

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Qualifiers:

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

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Biotech Remediation, Inc. **Client Sample ID:** TW-5
Project: Thriftway #810 **Collection Date:** 2/16/2016 12:45:00 PM
Lab ID: 1602752-005 **Matrix:** AQUEOUS **Received Date:** 2/18/2016 7:00:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **NSB**	
Gasoline Range Organics (GRO)	ND	0.050		mg/L	1	2/19/2016 3:48:14 PM	B32265
Surr: BFB	89.8	49.5-130		%Rec	1	2/19/2016 3:48:14 PM	B32265
EPA METHOD 8270C: PAHS						Analyst: **DAM**	
Naphthalene	ND	0.50		µg/L	1	2/22/2016 6:21:03 PM	23851
1-Methylnaphthalene	ND	0.50		µg/L	1	2/22/2016 6:21:03 PM	23851
2-Methylnaphthalene	ND	0.50		µg/L	1	2/22/2016 6:21:03 PM	23851
Acenaphthylene	ND	0.50		µg/L	1	2/22/2016 6:21:03 PM	23851
Acenaphthene	ND	0.50		µg/L	1	2/22/2016 6:21:03 PM	23851
Fluorene	ND	0.50		µg/L	1	2/22/2016 6:21:03 PM	23851
Phenanthrene	ND	0.50		µg/L	1	2/22/2016 6:21:03 PM	23851
Anthracene	ND	0.50		µg/L	1	2/22/2016 6:21:03 PM	23851
Fluoranthene	ND	0.50		µg/L	1	2/22/2016 6:21:03 PM	23851
Pyrene	ND	0.50		µg/L	1	2/22/2016 6:21:03 PM	23851
Benz(a)anthracene	ND	0.50		µg/L	1	2/22/2016 6:21:03 PM	23851
Chrysene	ND	0.50		µg/L	1	2/22/2016 6:21:03 PM	23851
Benzo(b)fluoranthene	ND	0.50		µg/L	1	2/22/2016 6:21:03 PM	23851
Benzo(k)fluoranthene	ND	0.50		µg/L	1	2/22/2016 6:21:03 PM	23851
Benzo(a)pyrene	ND	0.50		µg/L	1	2/22/2016 6:21:03 PM	23851
Dibenz(a,h)anthracene	ND	0.50		µg/L	1	2/22/2016 6:21:03 PM	23851
Benzo(g,h,i)perylene	ND	0.50		µg/L	1	2/22/2016 6:21:03 PM	23851
Indeno(1,2,3-cd)pyrene	ND	0.50		µg/L	1	2/22/2016 6:21:03 PM	23851
Surr: N-hexadecane	37.5	20.2-162		%Rec	1	2/22/2016 6:21:03 PM	23851
Surr: Benzo(e)pyrene	35.9	21.1-159		%Rec	1	2/22/2016 6:21:03 PM	23851
EPA METHOD 8260B: VOLATILES						Analyst: **AG**	
Benzene	ND	1.0		µg/L	1	2/18/2016 5:13:47 PM	A32246
Toluene	ND	1.0		µg/L	1	2/18/2016 5:13:47 PM	A32246
Ethylbenzene	ND	1.0		µg/L	1	2/18/2016 5:13:47 PM	A32246
Methyl tert-butyl ether (MTBE)	ND	1.0		µg/L	1	2/18/2016 5:13:47 PM	A32246
1,2,4-Trimethylbenzene	ND	1.0		µg/L	1	2/18/2016 5:13:47 PM	A32246
1,3,5-Trimethylbenzene	ND	1.0		µg/L	1	2/18/2016 5:13:47 PM	A32246
1,2-Dichloroethane (EDC)	ND	1.0		µg/L	1	2/18/2016 5:13:47 PM	A32246
1,2-Dibromoethane (EDB)	ND	1.0		µg/L	1	2/18/2016 5:13:47 PM	A32246
Naphthalene	ND	2.0		µg/L	1	2/18/2016 5:13:47 PM	A32246
1-Methylnaphthalene	ND	4.0		µg/L	1	2/18/2016 5:13:47 PM	A32246
2-Methylnaphthalene	ND	4.0		µg/L	1	2/18/2016 5:13:47 PM	A32246
Acetone	ND	10		µg/L	1	2/18/2016 5:13:47 PM	A32246
Bromobenzene	ND	1.0		µg/L	1	2/18/2016 5:13:47 PM	A32246
Bromodichloromethane	ND	1.0		µg/L	1	2/18/2016 5:13:47 PM	A32246

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

Qualifiers:

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

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Biotech Remediation, Inc. **Client Sample ID:** TW-5
Project: Thriftway #810 **Collection Date:** 2/16/2016 12:45:00 PM
Lab ID: 1602752-005 **Matrix:** AQUEOUS **Received Date:** 2/18/2016 7:00:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8260B: VOLATILES						Analyst: **AG**	
Bromoform	ND	1.0		µg/L	1	2/18/2016 5:13:47 PM	A32246
Bromomethane	ND	3.0		µg/L	1	2/18/2016 5:13:47 PM	A32246
2-Butanone	ND	10		µg/L	1	2/18/2016 5:13:47 PM	A32246
Carbon disulfide	ND	10		µg/L	1	2/18/2016 5:13:47 PM	A32246
Carbon Tetrachloride	ND	1.0		µg/L	1	2/18/2016 5:13:47 PM	A32246
Chlorobenzene	ND	1.0		µg/L	1	2/18/2016 5:13:47 PM	A32246
Chloroethane	ND	2.0		µg/L	1	2/18/2016 5:13:47 PM	A32246
Chloroform	ND	1.0		µg/L	1	2/18/2016 5:13:47 PM	A32246
Chloromethane	ND	3.0		µg/L	1	2/18/2016 5:13:47 PM	A32246
2-Chlorotoluene	ND	1.0		µg/L	1	2/18/2016 5:13:47 PM	A32246
4-Chlorotoluene	ND	1.0		µg/L	1	2/18/2016 5:13:47 PM	A32246
cis-1,2-DCE	ND	1.0		µg/L	1	2/18/2016 5:13:47 PM	A32246
cis-1,3-Dichloropropene	ND	1.0		µg/L	1	2/18/2016 5:13:47 PM	A32246
1,2-Dibromo-3-chloropropane	ND	2.0		µg/L	1	2/18/2016 5:13:47 PM	A32246
Dibromochloromethane	ND	1.0		µg/L	1	2/18/2016 5:13:47 PM	A32246
Dibromomethane	ND	1.0		µg/L	1	2/18/2016 5:13:47 PM	A32246
1,2-Dichlorobenzene	ND	1.0		µg/L	1	2/18/2016 5:13:47 PM	A32246
1,3-Dichlorobenzene	ND	1.0		µg/L	1	2/18/2016 5:13:47 PM	A32246
1,4-Dichlorobenzene	ND	1.0		µg/L	1	2/18/2016 5:13:47 PM	A32246
Dichlorodifluoromethane	ND	1.0		µg/L	1	2/18/2016 5:13:47 PM	A32246
1,1-Dichloroethane	ND	1.0		µg/L	1	2/18/2016 5:13:47 PM	A32246
1,1-Dichloroethene	ND	1.0		µg/L	1	2/18/2016 5:13:47 PM	A32246
1,2-Dichloropropane	ND	1.0		µg/L	1	2/18/2016 5:13:47 PM	A32246
1,3-Dichloropropane	ND	1.0		µg/L	1	2/18/2016 5:13:47 PM	A32246
2,2-Dichloropropane	ND	2.0		µg/L	1	2/18/2016 5:13:47 PM	A32246
1,1-Dichloropropene	ND	1.0		µg/L	1	2/18/2016 5:13:47 PM	A32246
Hexachlorobutadiene	ND	1.0		µg/L	1	2/18/2016 5:13:47 PM	A32246
2-Hexanone	ND	10		µg/L	1	2/18/2016 5:13:47 PM	A32246
Isopropylbenzene	ND	1.0		µg/L	1	2/18/2016 5:13:47 PM	A32246
4-Isopropyltoluene	ND	1.0		µg/L	1	2/18/2016 5:13:47 PM	A32246
4-Methyl-2-pentanone	ND	10		µg/L	1	2/18/2016 5:13:47 PM	A32246
Methylene Chloride	ND	3.0		µg/L	1	2/18/2016 5:13:47 PM	A32246
n-Butylbenzene	ND	3.0		µg/L	1	2/18/2016 5:13:47 PM	A32246
n-Propylbenzene	ND	1.0		µg/L	1	2/18/2016 5:13:47 PM	A32246
sec-Butylbenzene	ND	1.0		µg/L	1	2/18/2016 5:13:47 PM	A32246
Styrene	ND	1.0		µg/L	1	2/18/2016 5:13:47 PM	A32246
tert-Butylbenzene	ND	1.0		µg/L	1	2/18/2016 5:13:47 PM	A32246
1,1,1,2-Tetrachloroethane	ND	1.0		µg/L	1	2/18/2016 5:13:47 PM	A32246
1,1,2,2-Tetrachloroethane	ND	2.0		µg/L	1	2/18/2016 5:13:47 PM	A32246

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

Qualifiers:

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

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Biotech Remediation, Inc. **Client Sample ID:** TW-5
Project: Thriftway #810 **Collection Date:** 2/16/2016 12:45:00 PM
Lab ID: 1602752-005 **Matrix:** AQUEOUS **Received Date:** 2/18/2016 7:00:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8260B: VOLATILES						Analyst: **AG**	
Tetrachloroethene (PCE)	ND	1.0		µg/L	1	2/18/2016 5:13:47 PM	A32246
trans-1,2-DCE	ND	1.0		µg/L	1	2/18/2016 5:13:47 PM	A32246
trans-1,3-Dichloropropene	ND	1.0		µg/L	1	2/18/2016 5:13:47 PM	A32246
1,2,3-Trichlorobenzene	ND	1.0		µg/L	1	2/18/2016 5:13:47 PM	A32246
1,2,4-Trichlorobenzene	ND	1.0		µg/L	1	2/18/2016 5:13:47 PM	A32246
1,1,1-Trichloroethane	ND	1.0		µg/L	1	2/18/2016 5:13:47 PM	A32246
1,1,2-Trichloroethane	ND	1.0		µg/L	1	2/18/2016 5:13:47 PM	A32246
Trichloroethene (TCE)	ND	1.0		µg/L	1	2/18/2016 5:13:47 PM	A32246
Trichlorofluoromethane	ND	1.0		µg/L	1	2/18/2016 5:13:47 PM	A32246
1,2,3-Trichloropropane	ND	2.0		µg/L	1	2/18/2016 5:13:47 PM	A32246
Vinyl chloride	ND	1.0		µg/L	1	2/18/2016 5:13:47 PM	A32246
Xylenes, Total	ND	1.5		µg/L	1	2/18/2016 5:13:47 PM	A32246
Surr: 1,2-Dichloroethane-d4	105	70-130		%Rec	1	2/18/2016 5:13:47 PM	A32246
Surr: 4-Bromofluorobenzene	98.3	70-130		%Rec	1	2/18/2016 5:13:47 PM	A32246
Surr: Dibromofluoromethane	112	70-130		%Rec	1	2/18/2016 5:13:47 PM	A32246
Surr: Toluene-d8	99.7	70-130		%Rec	1	2/18/2016 5:13:47 PM	A32246

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

Qualifiers:

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

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Biotech Remediation, Inc. **Client Sample ID:** TW-6
Project: Thriftway #810 **Collection Date:** 2/16/2016 1:25:00 PM
Lab ID: 1602752-006 **Matrix:** AQUEOUS **Received Date:** 2/18/2016 7:00:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analyst: **LGT**	
Fluoride	0.95	0.10		mg/L	1	3/2/2016 11:45:17 AM	R32517
Chloride	23	10		mg/L	20	3/2/2016 3:58:14 PM	R32545
Bromide	ND	0.10		mg/L	1	2/23/2016 6:03:08 AM	A32324
Phosphorus, Orthophosphate (As P)	ND	10	H	mg/L	20	3/2/2016 3:58:14 PM	R32545
Sulfate	2500	50		mg/L	100	3/2/2016 4:10:38 PM	R32545
Nitrate+Nitrite as N	ND	1.0		mg/L	5	2/24/2016 1:21:30 PM	R32385
SM2510B: SPECIFIC CONDUCTANCE						Analyst: **JRR**	
Conductivity	4100	0.010		µmhos/cm	1	2/24/2016 4:31:14 PM	R32387
SM2320B: ALKALINITY						Analyst: **JRR**	
Bicarbonate (As CaCO3)	169.1	20.00		mg/L CaCO3	1	2/24/2016 4:31:14 PM	R32387
Carbonate (As CaCO3)	ND	2.000		mg/L CaCO3	1	2/24/2016 4:31:14 PM	R32387
Total Alkalinity (as CaCO3)	169.1	20.00		mg/L CaCO3	1	2/24/2016 4:31:14 PM	R32387
SM2540C MOD: TOTAL DISSOLVED SOLIDS						Analyst: **KS**	
Total Dissolved Solids	3810	100	*D	mg/L	1	2/22/2016 7:18:00 PM	23844
EPA METHOD 7470: MERCURY						Analyst: **pmf**	
Mercury	ND	0.00020		mg/L	1	2/19/2016 12:07:23 PM	23821
EPA METHOD 6010B: DISSOLVED METALS						Analyst: **ELS**	
Calcium	480	5.0		mg/L	5	2/19/2016 1:49:40 PM	R32288
Lead	ND	0.0050		mg/L	1	2/19/2016 1:47:48 PM	R32288
Magnesium	44	1.0		mg/L	1	2/19/2016 1:47:48 PM	R32288
Potassium	3.9	1.0		mg/L	1	2/19/2016 1:47:48 PM	R32288
Sodium	640	10		mg/L	10	2/29/2016 1:07:41 PM	A32463
EPA 6010B: TOTAL RECOVERABLE METALS						Analyst: **ELS**	
Arsenic	ND	0.020		mg/L	1	2/19/2016 12:44:12 PM	23820
Barium	0.34	0.020		mg/L	1	2/19/2016 12:44:12 PM	23820
Cadmium	ND	0.0020		mg/L	1	2/19/2016 12:44:12 PM	23820
Chromium	0.019	0.0060		mg/L	1	2/19/2016 12:44:12 PM	23820
Lead	0.0054	0.0050		mg/L	1	2/19/2016 12:44:12 PM	23820
Selenium	ND	0.050		mg/L	1	2/19/2016 12:44:12 PM	23820
Silver	ND	0.0050		mg/L	1	2/19/2016 12:44:12 PM	23820
EPA METHOD 8015M/D: DIESEL RANGE						Analyst: **KJH**	
Diesel Range Organics (DRO)	ND	1.0		mg/L	1	2/19/2016 7:01:40 PM	23831
Motor Oil Range Organics (MRO)	ND	5.0		mg/L	1	2/19/2016 7:01:40 PM	23831
Surr: DNOP	113	70-141		%Rec	1	2/19/2016 7:01:40 PM	23831
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **NSB**	

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

Qualifiers:

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

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Biotech Remediation, Inc. **Client Sample ID:** TW-6
Project: Thriftway #810 **Collection Date:** 2/16/2016 1:25:00 PM
Lab ID: 1602752-006 **Matrix:** AQUEOUS **Received Date:** 2/18/2016 7:00:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **NSB**	
Gasoline Range Organics (GRO)	ND	0.050		mg/L	1	2/19/2016 4:12:52 PM	B32265
Surr: BFB	88.1	49.5-130		%Rec	1	2/19/2016 4:12:52 PM	B32265
EPA METHOD 8270C: PAHS						Analyst: **DAM**	
Naphthalene	ND	0.50		µg/L	1	2/22/2016 4:19:59 PM	23851
1-Methylnaphthalene	ND	0.50		µg/L	1	2/22/2016 4:19:59 PM	23851
2-Methylnaphthalene	ND	0.50		µg/L	1	2/22/2016 4:19:59 PM	23851
Acenaphthylene	ND	0.50		µg/L	1	2/22/2016 4:19:59 PM	23851
Acenaphthene	ND	0.50		µg/L	1	2/22/2016 4:19:59 PM	23851
Fluorene	ND	0.50		µg/L	1	2/22/2016 4:19:59 PM	23851
Phenanthrene	ND	0.50		µg/L	1	2/22/2016 4:19:59 PM	23851
Anthracene	ND	0.50		µg/L	1	2/22/2016 4:19:59 PM	23851
Fluoranthene	ND	0.50		µg/L	1	2/22/2016 4:19:59 PM	23851
Pyrene	ND	0.50		µg/L	1	2/22/2016 4:19:59 PM	23851
Benz(a)anthracene	ND	0.50		µg/L	1	2/22/2016 4:19:59 PM	23851
Chrysene	ND	0.50		µg/L	1	2/22/2016 4:19:59 PM	23851
Benzo(b)fluoranthene	ND	0.50		µg/L	1	2/22/2016 4:19:59 PM	23851
Benzo(k)fluoranthene	ND	0.50		µg/L	1	2/22/2016 4:19:59 PM	23851
Benzo(a)pyrene	ND	0.50		µg/L	1	2/22/2016 4:19:59 PM	23851
Dibenz(a,h)anthracene	ND	0.50		µg/L	1	2/22/2016 4:19:59 PM	23851
Benzo(g,h,i)perylene	ND	0.50		µg/L	1	2/22/2016 4:19:59 PM	23851
Indeno(1,2,3-cd)pyrene	ND	0.50		µg/L	1	2/22/2016 4:19:59 PM	23851
Surr: N-hexadecane	39.3	20.2-162		%Rec	1	2/22/2016 4:19:59 PM	23851
Surr: Benzo(e)pyrene	34.8	21.1-159		%Rec	1	2/22/2016 4:19:59 PM	23851
EPA METHOD 8260B: VOLATILES						Analyst: **AG**	
Benzene	ND	1.0		µg/L	1	2/18/2016 6:11:03 PM	A32246
Toluene	ND	1.0		µg/L	1	2/18/2016 6:11:03 PM	A32246
Ethylbenzene	ND	1.0		µg/L	1	2/18/2016 6:11:03 PM	A32246
Methyl tert-butyl ether (MTBE)	ND	1.0		µg/L	1	2/18/2016 6:11:03 PM	A32246
1,2,4-Trimethylbenzene	ND	1.0		µg/L	1	2/18/2016 6:11:03 PM	A32246
1,3,5-Trimethylbenzene	ND	1.0		µg/L	1	2/18/2016 6:11:03 PM	A32246
1,2-Dichloroethane (EDC)	ND	1.0		µg/L	1	2/18/2016 6:11:03 PM	A32246
1,2-Dibromoethane (EDB)	ND	1.0		µg/L	1	2/18/2016 6:11:03 PM	A32246
Naphthalene	ND	2.0		µg/L	1	2/18/2016 6:11:03 PM	A32246
1-Methylnaphthalene	ND	4.0		µg/L	1	2/18/2016 6:11:03 PM	A32246
2-Methylnaphthalene	ND	4.0		µg/L	1	2/18/2016 6:11:03 PM	A32246
Acetone	ND	10		µg/L	1	2/18/2016 6:11:03 PM	A32246
Bromobenzene	ND	1.0		µg/L	1	2/18/2016 6:11:03 PM	A32246
Bromodichloromethane	ND	1.0		µg/L	1	2/18/2016 6:11:03 PM	A32246

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

Qualifiers:

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

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Biotech Remediation, Inc. **Client Sample ID:** TW-6
Project: Thriftway #810 **Collection Date:** 2/16/2016 1:25:00 PM
Lab ID: 1602752-006 **Matrix:** AQUEOUS **Received Date:** 2/18/2016 7:00:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8260B: VOLATILES						Analyst: **AG**	
Bromoform	ND	1.0		µg/L	1	2/18/2016 6:11:03 PM	A32246
Bromomethane	ND	3.0		µg/L	1	2/18/2016 6:11:03 PM	A32246
2-Butanone	ND	10		µg/L	1	2/18/2016 6:11:03 PM	A32246
Carbon disulfide	ND	10		µg/L	1	2/18/2016 6:11:03 PM	A32246
Carbon Tetrachloride	ND	1.0		µg/L	1	2/18/2016 6:11:03 PM	A32246
Chlorobenzene	ND	1.0		µg/L	1	2/18/2016 6:11:03 PM	A32246
Chloroethane	ND	2.0		µg/L	1	2/18/2016 6:11:03 PM	A32246
Chloroform	ND	1.0		µg/L	1	2/18/2016 6:11:03 PM	A32246
Chloromethane	ND	3.0		µg/L	1	2/18/2016 6:11:03 PM	A32246
2-Chlorotoluene	ND	1.0		µg/L	1	2/18/2016 6:11:03 PM	A32246
4-Chlorotoluene	ND	1.0		µg/L	1	2/18/2016 6:11:03 PM	A32246
cis-1,2-DCE	ND	1.0		µg/L	1	2/18/2016 6:11:03 PM	A32246
cis-1,3-Dichloropropene	ND	1.0		µg/L	1	2/18/2016 6:11:03 PM	A32246
1,2-Dibromo-3-chloropropane	ND	2.0		µg/L	1	2/18/2016 6:11:03 PM	A32246
Dibromochloromethane	ND	1.0		µg/L	1	2/18/2016 6:11:03 PM	A32246
Dibromomethane	ND	1.0		µg/L	1	2/18/2016 6:11:03 PM	A32246
1,2-Dichlorobenzene	ND	1.0		µg/L	1	2/18/2016 6:11:03 PM	A32246
1,3-Dichlorobenzene	ND	1.0		µg/L	1	2/18/2016 6:11:03 PM	A32246
1,4-Dichlorobenzene	ND	1.0		µg/L	1	2/18/2016 6:11:03 PM	A32246
Dichlorodifluoromethane	ND	1.0		µg/L	1	2/18/2016 6:11:03 PM	A32246
1,1-Dichloroethane	ND	1.0		µg/L	1	2/18/2016 6:11:03 PM	A32246
1,1-Dichloroethene	ND	1.0		µg/L	1	2/18/2016 6:11:03 PM	A32246
1,2-Dichloropropane	ND	1.0		µg/L	1	2/18/2016 6:11:03 PM	A32246
1,3-Dichloropropane	ND	1.0		µg/L	1	2/18/2016 6:11:03 PM	A32246
2,2-Dichloropropane	ND	2.0		µg/L	1	2/18/2016 6:11:03 PM	A32246
1,1-Dichloropropene	ND	1.0		µg/L	1	2/18/2016 6:11:03 PM	A32246
Hexachlorobutadiene	ND	1.0		µg/L	1	2/18/2016 6:11:03 PM	A32246
2-Hexanone	ND	10		µg/L	1	2/18/2016 6:11:03 PM	A32246
Isopropylbenzene	ND	1.0		µg/L	1	2/18/2016 6:11:03 PM	A32246
4-Isopropyltoluene	ND	1.0		µg/L	1	2/18/2016 6:11:03 PM	A32246
4-Methyl-2-pentanone	ND	10		µg/L	1	2/18/2016 6:11:03 PM	A32246
Methylene Chloride	ND	3.0		µg/L	1	2/18/2016 6:11:03 PM	A32246
n-Butylbenzene	ND	3.0		µg/L	1	2/18/2016 6:11:03 PM	A32246
n-Propylbenzene	ND	1.0		µg/L	1	2/18/2016 6:11:03 PM	A32246
sec-Butylbenzene	ND	1.0		µg/L	1	2/18/2016 6:11:03 PM	A32246
Styrene	ND	1.0		µg/L	1	2/18/2016 6:11:03 PM	A32246
tert-Butylbenzene	ND	1.0		µg/L	1	2/18/2016 6:11:03 PM	A32246
1,1,1,2-Tetrachloroethane	ND	1.0		µg/L	1	2/18/2016 6:11:03 PM	A32246
1,1,2,2-Tetrachloroethane	ND	2.0		µg/L	1	2/18/2016 6:11:03 PM	A32246

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

Qualifiers:

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

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Biotech Remediation, Inc. **Client Sample ID:** TW-6
Project: Thriftway #810 **Collection Date:** 2/16/2016 1:25:00 PM
Lab ID: 1602752-006 **Matrix:** AQUEOUS **Received Date:** 2/18/2016 7:00:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8260B: VOLATILES						Analyst: **AG**	
Tetrachloroethene (PCE)	ND	1.0		µg/L	1	2/18/2016 6:11:03 PM	A32246
trans-1,2-DCE	ND	1.0		µg/L	1	2/18/2016 6:11:03 PM	A32246
trans-1,3-Dichloropropene	ND	1.0		µg/L	1	2/18/2016 6:11:03 PM	A32246
1,2,3-Trichlorobenzene	ND	1.0		µg/L	1	2/18/2016 6:11:03 PM	A32246
1,2,4-Trichlorobenzene	ND	1.0		µg/L	1	2/18/2016 6:11:03 PM	A32246
1,1,1-Trichloroethane	ND	1.0		µg/L	1	2/18/2016 6:11:03 PM	A32246
1,1,2-Trichloroethane	ND	1.0		µg/L	1	2/18/2016 6:11:03 PM	A32246
Trichloroethene (TCE)	ND	1.0		µg/L	1	2/18/2016 6:11:03 PM	A32246
Trichlorofluoromethane	ND	1.0		µg/L	1	2/18/2016 6:11:03 PM	A32246
1,2,3-Trichloropropane	ND	2.0		µg/L	1	2/18/2016 6:11:03 PM	A32246
Vinyl chloride	ND	1.0		µg/L	1	2/18/2016 6:11:03 PM	A32246
Xylenes, Total	ND	1.5		µg/L	1	2/18/2016 6:11:03 PM	A32246
Surr: 1,2-Dichloroethane-d4	102	70-130		%Rec	1	2/18/2016 6:11:03 PM	A32246
Surr: 4-Bromofluorobenzene	103	70-130		%Rec	1	2/18/2016 6:11:03 PM	A32246
Surr: Dibromofluoromethane	114	70-130		%Rec	1	2/18/2016 6:11:03 PM	A32246
Surr: Toluene-d8	100	70-130		%Rec	1	2/18/2016 6:11:03 PM	A32246

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

Qualifiers:

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

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Biotech Remediation, Inc. **Client Sample ID:** TW-10
Project: Thriftway #810 **Collection Date:** 2/16/2016 2:32:00 PM
Lab ID: 1602752-007 **Matrix:** AQUEOUS **Received Date:** 2/18/2016 7:00:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analyst:	**LGT**
Fluoride	0.67	0.10		mg/L	1	3/2/2016 11:57:41 AM	R32517
Chloride	120	25		mg/L	50	3/2/2016 4:23:02 PM	R32545
Bromide	0.74	0.10		mg/L	1	2/23/2016 6:27:57 AM	A32324
Phosphorus, Orthophosphate (As P)	ND	0.50	H	mg/L	1	3/2/2016 11:57:41 AM	R32517
Sulfate	1100	25		mg/L	50	3/2/2016 4:23:02 PM	R32545
Nitrate+Nitrite as N	ND	1.0		mg/L	5	2/24/2016 1:33:54 PM	R32385
SM2510B: SPECIFIC CONDUCTANCE						Analyst:	**JRR**
Conductivity	2500	0.010		µmhos/cm	1	2/24/2016 4:41:18 PM	R32387
SM2320B: ALKALINITY						Analyst:	**JRR**
Bicarbonate (As CaCO3)	225.8	20.00		mg/L CaCO3	1	2/24/2016 4:41:18 PM	R32387
Carbonate (As CaCO3)	ND	2.000		mg/L CaCO3	1	2/24/2016 4:41:18 PM	R32387
Total Alkalinity (as CaCO3)	225.8	20.00		mg/L CaCO3	1	2/24/2016 4:41:18 PM	R32387
SM2540C MOD: TOTAL DISSOLVED SOLIDS						Analyst:	**KS**
Total Dissolved Solids	1870	200	*D	mg/L	1	2/22/2016 7:18:00 PM	23844
EPA METHOD 7470: MERCURY						Analyst:	**pmf**
Mercury	ND	0.00020		mg/L	1	2/19/2016 12:15:49 PM	23821
EPA METHOD 6010B: DISSOLVED METALS						Analyst:	**ELS**
Calcium	210	5.0		mg/L	5	2/19/2016 1:53:14 PM	R32288
Lead	ND	0.0050		mg/L	1	2/19/2016 1:51:23 PM	R32288
Magnesium	20	1.0		mg/L	1	2/19/2016 1:51:23 PM	R32288
Potassium	2.6	1.0		mg/L	1	2/19/2016 1:51:23 PM	R32288
Sodium	390	5.0		mg/L	5	2/19/2016 1:53:14 PM	R32288
EPA 6010B: TOTAL RECOVERABLE METALS						Analyst:	**ELS**
Arsenic	ND	0.020		mg/L	1	2/19/2016 12:45:58 PM	23820
Barium	0.11	0.020		mg/L	1	2/19/2016 12:45:58 PM	23820
Cadmium	ND	0.0020		mg/L	1	2/19/2016 12:45:58 PM	23820
Chromium	ND	0.0060		mg/L	1	2/19/2016 12:45:58 PM	23820
Lead	ND	0.0050		mg/L	1	2/19/2016 12:45:58 PM	23820
Selenium	ND	0.050		mg/L	1	2/19/2016 12:45:58 PM	23820
Silver	ND	0.0050		mg/L	1	2/19/2016 12:45:58 PM	23820
EPA METHOD 8015M/D: DIESEL RANGE						Analyst:	**KJH**
Diesel Range Organics (DRO)	25	1.0		mg/L	1	2/19/2016 7:23:35 PM	23831
Motor Oil Range Organics (MRO)	9.3	5.0		mg/L	1	2/19/2016 7:23:35 PM	23831
Surr: DNOP	110	70-141		%Rec	1	2/19/2016 7:23:35 PM	23831
EPA METHOD 8015D: GASOLINE RANGE						Analyst:	**NSB**

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

Qualifiers:

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

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Biotech Remediation, Inc. **Client Sample ID:** TW-10
Project: Thriftway #810 **Collection Date:** 2/16/2016 2:32:00 PM
Lab ID: 1602752-007 **Matrix:** AQUEOUS **Received Date:** 2/18/2016 7:00:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **NSB**	
Gasoline Range Organics (GRO)	ND	0.050		mg/L	1	2/19/2016 4:37:34 PM	B32265
Surr: BFB	91.5	49.5-130		%Rec	1	2/19/2016 4:37:34 PM	B32265
EPA METHOD 8270C: PAHS						Analyst: **DAM**	
Naphthalene	ND	0.50		µg/L	1	2/22/2016 7:57:53 PM	23851
1-Methylnaphthalene	26	0.50		µg/L	1	2/22/2016 7:57:53 PM	23851
2-Methylnaphthalene	ND	0.50		µg/L	1	2/22/2016 7:57:53 PM	23851
Acenaphthylene	ND	0.50		µg/L	1	2/22/2016 7:57:53 PM	23851
Acenaphthene	ND	0.50		µg/L	1	2/22/2016 7:57:53 PM	23851
Fluorene	14	0.50		µg/L	1	2/22/2016 7:57:53 PM	23851
Phenanthrene	16	0.50		µg/L	1	2/22/2016 7:57:53 PM	23851
Anthracene	ND	0.50		µg/L	1	2/22/2016 7:57:53 PM	23851
Fluoranthene	ND	0.50		µg/L	1	2/22/2016 7:57:53 PM	23851
Pyrene	ND	0.50		µg/L	1	2/22/2016 7:57:53 PM	23851
Benz(a)anthracene	ND	0.50		µg/L	1	2/22/2016 7:57:53 PM	23851
Chrysene	ND	0.50		µg/L	1	2/22/2016 7:57:53 PM	23851
Benzo(b)fluoranthene	ND	0.50		µg/L	1	2/22/2016 7:57:53 PM	23851
Benzo(k)fluoranthene	ND	0.50		µg/L	1	2/22/2016 7:57:53 PM	23851
Benzo(a)pyrene	ND	0.50		µg/L	1	2/22/2016 7:57:53 PM	23851
Dibenz(a,h)anthracene	ND	0.50		µg/L	1	2/22/2016 7:57:53 PM	23851
Benzo(g,h,i)perylene	ND	0.50		µg/L	1	2/22/2016 7:57:53 PM	23851
Indeno(1,2,3-cd)pyrene	ND	0.50		µg/L	1	2/22/2016 7:57:53 PM	23851
Surr: N-hexadecane	29.6	20.2-162		%Rec	1	2/22/2016 7:57:53 PM	23851
Surr: Benzo(e)pyrene	31.9	21.1-159		%Rec	1	2/22/2016 7:57:53 PM	23851
EPA METHOD 8260B: VOLATILES						Analyst: **AG**	
Benzene	ND	1.0		µg/L	1	2/19/2016 10:53:28 AM	R32292
Toluene	ND	1.0		µg/L	1	2/19/2016 10:53:28 AM	R32292
Ethylbenzene	ND	1.0		µg/L	1	2/19/2016 10:53:28 AM	R32292
Methyl tert-butyl ether (MTBE)	ND	1.0		µg/L	1	2/19/2016 10:53:28 AM	R32292
1,2,4-Trimethylbenzene	ND	1.0		µg/L	1	2/19/2016 10:53:28 AM	R32292
1,3,5-Trimethylbenzene	ND	1.0		µg/L	1	2/19/2016 10:53:28 AM	R32292
1,2-Dichloroethane (EDC)	ND	1.0		µg/L	1	2/19/2016 10:53:28 AM	R32292
1,2-Dibromoethane (EDB)	ND	1.0		µg/L	1	2/19/2016 10:53:28 AM	R32292
Naphthalene	ND	2.0		µg/L	1	2/19/2016 10:53:28 AM	R32292
1-Methylnaphthalene	13	4.0		µg/L	1	2/19/2016 10:53:28 AM	R32292
2-Methylnaphthalene	ND	4.0		µg/L	1	2/19/2016 10:53:28 AM	R32292
Acetone	ND	10		µg/L	1	2/19/2016 10:53:28 AM	R32292
Bromobenzene	ND	1.0		µg/L	1	2/19/2016 10:53:28 AM	R32292
Bromodichloromethane	ND	1.0		µg/L	1	2/19/2016 10:53:28 AM	R32292

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

Qualifiers:

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

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Biotech Remediation, Inc. **Client Sample ID:** TW-10
Project: Thriftway #810 **Collection Date:** 2/16/2016 2:32:00 PM
Lab ID: 1602752-007 **Matrix:** AQUEOUS **Received Date:** 2/18/2016 7:00:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8260B: VOLATILES						Analyst: **AG**	
Bromoform	ND	1.0		µg/L	1	2/19/2016 10:53:28 AM	R32292
Bromomethane	ND	3.0		µg/L	1	2/19/2016 10:53:28 AM	R32292
2-Butanone	ND	10		µg/L	1	2/19/2016 10:53:28 AM	R32292
Carbon disulfide	ND	10		µg/L	1	2/19/2016 10:53:28 AM	R32292
Carbon Tetrachloride	ND	1.0		µg/L	1	2/19/2016 10:53:28 AM	R32292
Chlorobenzene	ND	1.0		µg/L	1	2/19/2016 10:53:28 AM	R32292
Chloroethane	ND	2.0		µg/L	1	2/19/2016 10:53:28 AM	R32292
Chloroform	ND	1.0		µg/L	1	2/19/2016 10:53:28 AM	R32292
Chloromethane	ND	3.0		µg/L	1	2/19/2016 10:53:28 AM	R32292
2-Chlorotoluene	ND	1.0		µg/L	1	2/19/2016 10:53:28 AM	R32292
4-Chlorotoluene	ND	1.0		µg/L	1	2/19/2016 10:53:28 AM	R32292
cis-1,2-DCE	ND	1.0		µg/L	1	2/19/2016 10:53:28 AM	R32292
cis-1,3-Dichloropropene	ND	1.0		µg/L	1	2/19/2016 10:53:28 AM	R32292
1,2-Dibromo-3-chloropropane	ND	2.0		µg/L	1	2/19/2016 10:53:28 AM	R32292
Dibromochloromethane	ND	1.0		µg/L	1	2/19/2016 10:53:28 AM	R32292
Dibromomethane	ND	1.0		µg/L	1	2/19/2016 10:53:28 AM	R32292
1,2-Dichlorobenzene	ND	1.0		µg/L	1	2/19/2016 10:53:28 AM	R32292
1,3-Dichlorobenzene	ND	1.0		µg/L	1	2/19/2016 10:53:28 AM	R32292
1,4-Dichlorobenzene	ND	1.0		µg/L	1	2/19/2016 10:53:28 AM	R32292
Dichlorodifluoromethane	ND	1.0		µg/L	1	2/19/2016 10:53:28 AM	R32292
1,1-Dichloroethane	ND	1.0		µg/L	1	2/19/2016 10:53:28 AM	R32292
1,1-Dichloroethene	ND	1.0		µg/L	1	2/19/2016 10:53:28 AM	R32292
1,2-Dichloropropane	ND	1.0		µg/L	1	2/19/2016 10:53:28 AM	R32292
1,3-Dichloropropane	ND	1.0		µg/L	1	2/19/2016 10:53:28 AM	R32292
2,2-Dichloropropane	ND	2.0		µg/L	1	2/19/2016 10:53:28 AM	R32292
1,1-Dichloropropene	ND	1.0		µg/L	1	2/19/2016 10:53:28 AM	R32292
Hexachlorobutadiene	ND	1.0		µg/L	1	2/19/2016 10:53:28 AM	R32292
2-Hexanone	ND	10		µg/L	1	2/19/2016 10:53:28 AM	R32292
Isopropylbenzene	ND	1.0		µg/L	1	2/19/2016 10:53:28 AM	R32292
4-Isopropyltoluene	ND	1.0		µg/L	1	2/19/2016 10:53:28 AM	R32292
4-Methyl-2-pentanone	ND	10		µg/L	1	2/19/2016 10:53:28 AM	R32292
Methylene Chloride	ND	3.0		µg/L	1	2/19/2016 10:53:28 AM	R32292
n-Butylbenzene	ND	3.0		µg/L	1	2/19/2016 10:53:28 AM	R32292
n-Propylbenzene	ND	1.0		µg/L	1	2/19/2016 10:53:28 AM	R32292
sec-Butylbenzene	ND	1.0		µg/L	1	2/19/2016 10:53:28 AM	R32292
Styrene	ND	1.0		µg/L	1	2/19/2016 10:53:28 AM	R32292
tert-Butylbenzene	ND	1.0		µg/L	1	2/19/2016 10:53:28 AM	R32292
1,1,1,2-Tetrachloroethane	ND	1.0		µg/L	1	2/19/2016 10:53:28 AM	R32292
1,1,2,2-Tetrachloroethane	ND	2.0		µg/L	1	2/19/2016 10:53:28 AM	R32292

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

Qualifiers:

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

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Biotech Remediation, Inc. **Client Sample ID:** TW-10
Project: Thriftway #810 **Collection Date:** 2/16/2016 2:32:00 PM
Lab ID: 1602752-007 **Matrix:** AQUEOUS **Received Date:** 2/18/2016 7:00:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8260B: VOLATILES						Analyst: **AG**	
Tetrachloroethene (PCE)	ND	1.0		µg/L	1	2/19/2016 10:53:28 AM	R32292
trans-1,2-DCE	ND	1.0		µg/L	1	2/19/2016 10:53:28 AM	R32292
trans-1,3-Dichloropropene	ND	1.0		µg/L	1	2/19/2016 10:53:28 AM	R32292
1,2,3-Trichlorobenzene	ND	1.0		µg/L	1	2/19/2016 10:53:28 AM	R32292
1,2,4-Trichlorobenzene	ND	1.0		µg/L	1	2/19/2016 10:53:28 AM	R32292
1,1,1-Trichloroethane	ND	1.0		µg/L	1	2/19/2016 10:53:28 AM	R32292
1,1,2-Trichloroethane	ND	1.0		µg/L	1	2/19/2016 10:53:28 AM	R32292
Trichloroethene (TCE)	ND	1.0		µg/L	1	2/19/2016 10:53:28 AM	R32292
Trichlorofluoromethane	ND	1.0		µg/L	1	2/19/2016 10:53:28 AM	R32292
1,2,3-Trichloropropane	ND	2.0		µg/L	1	2/19/2016 10:53:28 AM	R32292
Vinyl chloride	ND	1.0		µg/L	1	2/19/2016 10:53:28 AM	R32292
Xylenes, Total	ND	1.5		µg/L	1	2/19/2016 10:53:28 AM	R32292
Surr: 1,2-Dichloroethane-d4	104	70-130		%Rec	1	2/19/2016 10:53:28 AM	R32292
Surr: 4-Bromofluorobenzene	92.4	70-130		%Rec	1	2/19/2016 10:53:28 AM	R32292
Surr: Dibromofluoromethane	117	70-130		%Rec	1	2/19/2016 10:53:28 AM	R32292
Surr: Toluene-d8	97.8	70-130		%Rec	1	2/19/2016 10:53:28 AM	R32292

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

Qualifiers:

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

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Biotech Remediation, Inc. **Client Sample ID:** TW-9
Project: Thriftway #810 **Collection Date:** 2/16/2016 3:05:00 PM
Lab ID: 1602752-008 **Matrix:** AQUEOUS **Received Date:** 2/18/2016 7:00:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analyst: **LGT**	
Fluoride	0.68	0.10		mg/L	1	3/2/2016 12:10:06 PM	R32517
Chloride	97	10		mg/L	20	3/2/2016 4:35:27 PM	R32545
Bromide	0.67	0.10		mg/L	1	2/23/2016 6:52:47 AM	A32324
Phosphorus, Orthophosphate (As P)	ND	0.50	H	mg/L	1	3/2/2016 12:10:06 PM	R32517
Sulfate	780	10		mg/L	20	3/2/2016 4:35:27 PM	R32545
Nitrate+Nitrite as N	12	1.0	*	mg/L	5	2/24/2016 1:46:19 PM	R32385
SM2510B: SPECIFIC CONDUCTANCE						Analyst: **JRR**	
Conductivity	2100	0.010		µmhos/cm	1	2/24/2016 4:53:37 PM	R32387
SM2320B: ALKALINITY						Analyst: **JRR**	
Bicarbonate (As CaCO3)	197.6	20.00		mg/L CaCO3	1	2/24/2016 4:53:37 PM	R32387
Carbonate (As CaCO3)	ND	2.000		mg/L CaCO3	1	2/24/2016 4:53:37 PM	R32387
Total Alkalinity (as CaCO3)	197.6	20.00		mg/L CaCO3	1	2/24/2016 4:53:37 PM	R32387
SM2540C MOD: TOTAL DISSOLVED SOLIDS						Analyst: **KS**	
Total Dissolved Solids	1430	200	*D	mg/L	1	2/22/2016 7:18:00 PM	23844
EPA METHOD 7470: MERCURY						Analyst: **pmf**	
Mercury	ND	0.00020		mg/L	1	2/19/2016 12:17:54 PM	23821
EPA METHOD 6010B: DISSOLVED METALS						Analyst: **ELS**	
Calcium	160	5.0		mg/L	5	2/19/2016 1:56:57 PM	R32288
Lead	ND	0.0050		mg/L	1	2/19/2016 1:55:05 PM	R32288
Magnesium	15	1.0		mg/L	1	2/19/2016 1:55:05 PM	R32288
Potassium	2.2	1.0		mg/L	1	2/19/2016 1:55:05 PM	R32288
Sodium	300	5.0		mg/L	5	2/19/2016 1:56:57 PM	R32288
EPA 6010B: TOTAL RECOVERABLE METALS						Analyst: **ELS**	
Arsenic	ND	0.020		mg/L	1	2/19/2016 12:47:33 PM	23820
Barium	0.42	0.020		mg/L	1	2/19/2016 12:47:33 PM	23820
Cadmium	ND	0.0020		mg/L	1	2/19/2016 12:47:33 PM	23820
Chromium	0.0086	0.0060		mg/L	1	2/19/2016 12:47:33 PM	23820
Lead	ND	0.0050		mg/L	1	2/19/2016 12:47:33 PM	23820
Selenium	ND	0.050		mg/L	1	2/19/2016 12:47:33 PM	23820
Silver	ND	0.0050		mg/L	1	2/19/2016 12:47:33 PM	23820
EPA METHOD 8015M/D: DIESEL RANGE						Analyst: **KJH**	
Diesel Range Organics (DRO)	ND	1.0		mg/L	1	2/19/2016 7:45:14 PM	23831
Motor Oil Range Organics (MRO)	ND	5.0		mg/L	1	2/19/2016 7:45:14 PM	23831
Surr: DNOP	110	70-141		%Rec	1	2/19/2016 7:45:14 PM	23831
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **NSB**	

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

Qualifiers:

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

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Biotech Remediation, Inc. **Client Sample ID:** TW-9
Project: Thriftway #810 **Collection Date:** 2/16/2016 3:05:00 PM
Lab ID: 1602752-008 **Matrix:** AQUEOUS **Received Date:** 2/18/2016 7:00:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **NSB**	
Gasoline Range Organics (GRO)	ND	0.050		mg/L	1	2/19/2016 5:02:16 PM	B32265
Surr: BFB	86.2	49.5-130		%Rec	1	2/19/2016 5:02:16 PM	B32265
EPA METHOD 8270C: PAHS						Analyst: **DAM**	
Naphthalene	ND	0.50		µg/L	1	2/22/2016 3:07:16 PM	23851
1-Methylnaphthalene	ND	0.50		µg/L	1	2/22/2016 3:07:16 PM	23851
2-Methylnaphthalene	ND	0.50		µg/L	1	2/22/2016 3:07:16 PM	23851
Acenaphthylene	ND	0.50		µg/L	1	2/22/2016 3:07:16 PM	23851
Acenaphthene	ND	0.50		µg/L	1	2/22/2016 3:07:16 PM	23851
Fluorene	ND	0.50		µg/L	1	2/22/2016 3:07:16 PM	23851
Phenanthrene	ND	0.50		µg/L	1	2/22/2016 3:07:16 PM	23851
Anthracene	ND	0.50		µg/L	1	2/22/2016 3:07:16 PM	23851
Fluoranthene	ND	0.50		µg/L	1	2/22/2016 3:07:16 PM	23851
Pyrene	ND	0.50		µg/L	1	2/22/2016 3:07:16 PM	23851
Benz(a)anthracene	ND	0.50		µg/L	1	2/22/2016 3:07:16 PM	23851
Chrysene	ND	0.50		µg/L	1	2/22/2016 3:07:16 PM	23851
Benzo(b)fluoranthene	ND	0.50		µg/L	1	2/22/2016 3:07:16 PM	23851
Benzo(k)fluoranthene	ND	0.50		µg/L	1	2/22/2016 3:07:16 PM	23851
Benzo(a)pyrene	ND	0.50		µg/L	1	2/22/2016 3:07:16 PM	23851
Dibenz(a,h)anthracene	ND	0.50		µg/L	1	2/22/2016 3:07:16 PM	23851
Benzo(g,h,i)perylene	ND	0.50		µg/L	1	2/22/2016 3:07:16 PM	23851
Indeno(1,2,3-cd)pyrene	ND	0.50		µg/L	1	2/22/2016 3:07:16 PM	23851
Surr: N-hexadecane	34.8	20.2-162		%Rec	1	2/22/2016 3:07:16 PM	23851
Surr: Benzo(e)pyrene	34.0	21.1-159		%Rec	1	2/22/2016 3:07:16 PM	23851
EPA METHOD 8260B: VOLATILES						Analyst: **AG**	
Benzene	ND	1.0		µg/L	1	2/19/2016 11:22:07 AM	R32292
Toluene	ND	1.0		µg/L	1	2/19/2016 11:22:07 AM	R32292
Ethylbenzene	ND	1.0		µg/L	1	2/19/2016 11:22:07 AM	R32292
Methyl tert-butyl ether (MTBE)	ND	1.0		µg/L	1	2/19/2016 11:22:07 AM	R32292
1,2,4-Trimethylbenzene	ND	1.0		µg/L	1	2/19/2016 11:22:07 AM	R32292
1,3,5-Trimethylbenzene	ND	1.0		µg/L	1	2/19/2016 11:22:07 AM	R32292
1,2-Dichloroethane (EDC)	ND	1.0		µg/L	1	2/19/2016 11:22:07 AM	R32292
1,2-Dibromoethane (EDB)	ND	1.0		µg/L	1	2/19/2016 11:22:07 AM	R32292
Naphthalene	ND	2.0		µg/L	1	2/19/2016 11:22:07 AM	R32292
1-Methylnaphthalene	ND	4.0		µg/L	1	2/19/2016 11:22:07 AM	R32292
2-Methylnaphthalene	ND	4.0		µg/L	1	2/19/2016 11:22:07 AM	R32292
Acetone	ND	10		µg/L	1	2/19/2016 11:22:07 AM	R32292
Bromobenzene	ND	1.0		µg/L	1	2/19/2016 11:22:07 AM	R32292
Bromodichloromethane	ND	1.0		µg/L	1	2/19/2016 11:22:07 AM	R32292

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Qualifiers:

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S	% Recovery outside of range due to dilution or matrix	W	Sample container temperature is out of limit as specified

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Biotech Remediation, Inc. **Client Sample ID:** TW-9
Project: Thriftway #810 **Collection Date:** 2/16/2016 3:05:00 PM
Lab ID: 1602752-008 **Matrix:** AQUEOUS **Received Date:** 2/18/2016 7:00:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8260B: VOLATILES						Analyst: **AG**	
Bromoform	ND	1.0		µg/L	1	2/19/2016 11:22:07 AM	R32292
Bromomethane	ND	3.0		µg/L	1	2/19/2016 11:22:07 AM	R32292
2-Butanone	ND	10		µg/L	1	2/19/2016 11:22:07 AM	R32292
Carbon disulfide	ND	10		µg/L	1	2/19/2016 11:22:07 AM	R32292
Carbon Tetrachloride	ND	1.0		µg/L	1	2/19/2016 11:22:07 AM	R32292
Chlorobenzene	ND	1.0		µg/L	1	2/19/2016 11:22:07 AM	R32292
Chloroethane	ND	2.0		µg/L	1	2/19/2016 11:22:07 AM	R32292
Chloroform	ND	1.0		µg/L	1	2/19/2016 11:22:07 AM	R32292
Chloromethane	ND	3.0		µg/L	1	2/19/2016 11:22:07 AM	R32292
2-Chlorotoluene	ND	1.0		µg/L	1	2/19/2016 11:22:07 AM	R32292
4-Chlorotoluene	ND	1.0		µg/L	1	2/19/2016 11:22:07 AM	R32292
cis-1,2-DCE	ND	1.0		µg/L	1	2/19/2016 11:22:07 AM	R32292
cis-1,3-Dichloropropene	ND	1.0		µg/L	1	2/19/2016 11:22:07 AM	R32292
1,2-Dibromo-3-chloropropane	ND	2.0		µg/L	1	2/19/2016 11:22:07 AM	R32292
Dibromochloromethane	ND	1.0		µg/L	1	2/19/2016 11:22:07 AM	R32292
Dibromomethane	ND	1.0		µg/L	1	2/19/2016 11:22:07 AM	R32292
1,2-Dichlorobenzene	ND	1.0		µg/L	1	2/19/2016 11:22:07 AM	R32292
1,3-Dichlorobenzene	ND	1.0		µg/L	1	2/19/2016 11:22:07 AM	R32292
1,4-Dichlorobenzene	ND	1.0		µg/L	1	2/19/2016 11:22:07 AM	R32292
Dichlorodifluoromethane	ND	1.0		µg/L	1	2/19/2016 11:22:07 AM	R32292
1,1-Dichloroethane	ND	1.0		µg/L	1	2/19/2016 11:22:07 AM	R32292
1,1-Dichloroethene	ND	1.0		µg/L	1	2/19/2016 11:22:07 AM	R32292
1,2-Dichloropropane	ND	1.0		µg/L	1	2/19/2016 11:22:07 AM	R32292
1,3-Dichloropropane	ND	1.0		µg/L	1	2/19/2016 11:22:07 AM	R32292
2,2-Dichloropropane	ND	2.0		µg/L	1	2/19/2016 11:22:07 AM	R32292
1,1-Dichloropropene	ND	1.0		µg/L	1	2/19/2016 11:22:07 AM	R32292
Hexachlorobutadiene	ND	1.0		µg/L	1	2/19/2016 11:22:07 AM	R32292
2-Hexanone	ND	10		µg/L	1	2/19/2016 11:22:07 AM	R32292
Isopropylbenzene	ND	1.0		µg/L	1	2/19/2016 11:22:07 AM	R32292
4-Isopropyltoluene	ND	1.0		µg/L	1	2/19/2016 11:22:07 AM	R32292
4-Methyl-2-pentanone	ND	10		µg/L	1	2/19/2016 11:22:07 AM	R32292
Methylene Chloride	ND	3.0		µg/L	1	2/19/2016 11:22:07 AM	R32292
n-Butylbenzene	ND	3.0		µg/L	1	2/19/2016 11:22:07 AM	R32292
n-Propylbenzene	ND	1.0		µg/L	1	2/19/2016 11:22:07 AM	R32292
sec-Butylbenzene	ND	1.0		µg/L	1	2/19/2016 11:22:07 AM	R32292
Styrene	ND	1.0		µg/L	1	2/19/2016 11:22:07 AM	R32292
tert-Butylbenzene	ND	1.0		µg/L	1	2/19/2016 11:22:07 AM	R32292
1,1,1,2-Tetrachloroethane	ND	1.0		µg/L	1	2/19/2016 11:22:07 AM	R32292
1,1,2,2-Tetrachloroethane	ND	2.0		µg/L	1	2/19/2016 11:22:07 AM	R32292

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Qualifiers:

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Hall Environmental Analysis Laboratory, Inc.

CLIENT: Biotech Remediation, Inc. **Client Sample ID:** TW-9
Project: Thriftway #810 **Collection Date:** 2/16/2016 3:05:00 PM
Lab ID: 1602752-008 **Matrix:** AQUEOUS **Received Date:** 2/18/2016 7:00:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8260B: VOLATILES						Analyst: **AG**	
Tetrachloroethene (PCE)	ND	1.0		µg/L	1	2/19/2016 11:22:07 AM	R32292
trans-1,2-DCE	ND	1.0		µg/L	1	2/19/2016 11:22:07 AM	R32292
trans-1,3-Dichloropropene	ND	1.0		µg/L	1	2/19/2016 11:22:07 AM	R32292
1,2,3-Trichlorobenzene	ND	1.0		µg/L	1	2/19/2016 11:22:07 AM	R32292
1,2,4-Trichlorobenzene	ND	1.0		µg/L	1	2/19/2016 11:22:07 AM	R32292
1,1,1-Trichloroethane	ND	1.0		µg/L	1	2/19/2016 11:22:07 AM	R32292
1,1,2-Trichloroethane	ND	1.0		µg/L	1	2/19/2016 11:22:07 AM	R32292
Trichloroethene (TCE)	ND	1.0		µg/L	1	2/19/2016 11:22:07 AM	R32292
Trichlorofluoromethane	ND	1.0		µg/L	1	2/19/2016 11:22:07 AM	R32292
1,2,3-Trichloropropane	ND	2.0		µg/L	1	2/19/2016 11:22:07 AM	R32292
Vinyl chloride	ND	1.0		µg/L	1	2/19/2016 11:22:07 AM	R32292
Xylenes, Total	ND	1.5		µg/L	1	2/19/2016 11:22:07 AM	R32292
Surr: 1,2-Dichloroethane-d4	103	70-130		%Rec	1	2/19/2016 11:22:07 AM	R32292
Surr: 4-Bromofluorobenzene	103	70-130		%Rec	1	2/19/2016 11:22:07 AM	R32292
Surr: Dibromofluoromethane	117	70-130		%Rec	1	2/19/2016 11:22:07 AM	R32292
Surr: Toluene-d8	99.6	70-130		%Rec	1	2/19/2016 11:22:07 AM	R32292

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Hall Environmental Analysis Laboratory, Inc.

CLIENT: Biotech Remediation, Inc. **Client Sample ID:** TW-11
Project: Thriftway #810 **Collection Date:** 2/17/2016 8:50:00 AM
Lab ID: 1602752-009 **Matrix:** AQUEOUS **Received Date:** 2/18/2016 7:00:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analyst:	**LGT**
Fluoride	0.73	0.10		mg/L	1	2/19/2016 2:04:07 AM	A32253
Chloride	120	10		mg/L	20	3/2/2016 4:47:52 PM	R32545
Nitrogen, Nitrite (As N)	ND	0.10		mg/L	1	2/19/2016 2:04:07 AM	A32253
Bromide	0.66	0.10		mg/L	1	2/19/2016 2:04:07 AM	A32253
Nitrogen, Nitrate (As N)	0.16	0.10		mg/L	1	2/19/2016 2:04:07 AM	A32253
Phosphorus, Orthophosphate (As P)	ND	10	H	mg/L	20	3/2/2016 4:47:52 PM	R32545
Sulfate	4100	50		mg/L	100	3/2/2016 5:00:16 PM	R32545
SM2510B: SPECIFIC CONDUCTANCE						Analyst:	**JRR**
Conductivity	6700	0.010		µmhos/cm	1	2/24/2016 5:05:23 PM	R32387
SM2320B: ALKALINITY						Analyst:	**JRR**
Bicarbonate (As CaCO3)	251.8	20.00		mg/L CaCO3	1	2/24/2016 5:05:23 PM	R32387
Carbonate (As CaCO3)	ND	2.000		mg/L CaCO3	1	2/24/2016 5:05:23 PM	R32387
Total Alkalinity (as CaCO3)	251.8	20.00		mg/L CaCO3	1	2/24/2016 5:05:23 PM	R32387
SM2540C MOD: TOTAL DISSOLVED SOLIDS						Analyst:	**KS**
Total Dissolved Solids	5510	200	*D	mg/L	1	2/22/2016 7:18:00 PM	23844
EPA METHOD 7470: MERCURY						Analyst:	**pmf**
Mercury	ND	0.00020		mg/L	1	2/19/2016 12:20:00 PM	23821
EPA METHOD 6010B: DISSOLVED METALS						Analyst:	**ELS**
Calcium	440	5.0		mg/L	5	2/19/2016 2:00:47 PM	R32288
Lead	ND	0.0050		mg/L	1	2/19/2016 1:58:47 PM	R32288
Magnesium	46	1.0		mg/L	1	2/19/2016 1:58:47 PM	R32288
Potassium	4.9	1.0		mg/L	1	2/19/2016 1:58:47 PM	R32288
Sodium	1400	20		mg/L	20	2/29/2016 1:09:33 PM	A32463
EPA 6010B: TOTAL RECOVERABLE METALS						Analyst:	**ELS**
Arsenic	ND	0.020		mg/L	1	2/19/2016 12:49:15 PM	23820
Barium	0.19	0.020		mg/L	1	2/19/2016 12:49:15 PM	23820
Cadmium	ND	0.0020		mg/L	1	2/19/2016 12:49:15 PM	23820
Chromium	0.010	0.0060		mg/L	1	2/19/2016 12:49:15 PM	23820
Lead	ND	0.0050		mg/L	1	2/19/2016 12:49:15 PM	23820
Selenium	ND	0.050		mg/L	1	2/19/2016 12:49:15 PM	23820
Silver	ND	0.0050		mg/L	1	2/19/2016 12:49:15 PM	23820
EPA METHOD 8015M/D: DIESEL RANGE						Analyst:	**KJH**
Diesel Range Organics (DRO)	ND	1.0		mg/L	1	2/19/2016 8:07:09 PM	23831
Motor Oil Range Organics (MRO)	ND	5.0		mg/L	1	2/19/2016 8:07:09 PM	23831
Surr: DNOP	109	70-141		%Rec	1	2/19/2016 8:07:09 PM	23831

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Hall Environmental Analysis Laboratory, Inc.

CLIENT: Biotech Remediation, Inc. **Client Sample ID:** TW-11
Project: Thriftway #810 **Collection Date:** 2/17/2016 8:50:00 AM
Lab ID: 1602752-009 **Matrix:** AQUEOUS **Received Date:** 2/18/2016 7:00:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **NSB**	
Gasoline Range Organics (GRO)	ND	0.050		mg/L	1	2/19/2016 5:26:53 PM	B32265
Surr: BFB	86.0	49.5-130		%Rec	1	2/19/2016 5:26:53 PM	B32265
EPA METHOD 8270C: PAHS						Analyst: **DAM**	
Naphthalene	ND	0.50		µg/L	1	2/22/2016 3:55:45 PM	23851
1-Methylnaphthalene	ND	0.50		µg/L	1	2/22/2016 3:55:45 PM	23851
2-Methylnaphthalene	ND	0.50		µg/L	1	2/22/2016 3:55:45 PM	23851
Acenaphthylene	ND	0.50		µg/L	1	2/22/2016 3:55:45 PM	23851
Acenaphthene	ND	0.50		µg/L	1	2/22/2016 3:55:45 PM	23851
Fluorene	ND	0.50		µg/L	1	2/22/2016 3:55:45 PM	23851
Phenanthrene	ND	0.50		µg/L	1	2/22/2016 3:55:45 PM	23851
Anthracene	ND	0.50		µg/L	1	2/22/2016 3:55:45 PM	23851
Fluoranthene	ND	0.50		µg/L	1	2/22/2016 3:55:45 PM	23851
Pyrene	ND	0.50		µg/L	1	2/22/2016 3:55:45 PM	23851
Benz(a)anthracene	ND	0.50		µg/L	1	2/22/2016 3:55:45 PM	23851
Chrysene	ND	0.50		µg/L	1	2/22/2016 3:55:45 PM	23851
Benzo(b)fluoranthene	ND	0.50		µg/L	1	2/22/2016 3:55:45 PM	23851
Benzo(k)fluoranthene	ND	0.50		µg/L	1	2/22/2016 3:55:45 PM	23851
Benzo(a)pyrene	ND	0.50		µg/L	1	2/22/2016 3:55:45 PM	23851
Dibenz(a,h)anthracene	ND	0.50		µg/L	1	2/22/2016 3:55:45 PM	23851
Benzo(g,h,i)perylene	ND	0.50		µg/L	1	2/22/2016 3:55:45 PM	23851
Indeno(1,2,3-cd)pyrene	ND	0.50		µg/L	1	2/22/2016 3:55:45 PM	23851
Surr: N-hexadecane	45.6	20.2-162		%Rec	1	2/22/2016 3:55:45 PM	23851
Surr: Benzo(e)pyrene	41.7	21.1-159		%Rec	1	2/22/2016 3:55:45 PM	23851
EPA METHOD 8260B: VOLATILES						Analyst: **AG**	
Benzene	ND	1.0		µg/L	1	2/18/2016 7:37:20 PM	A32246
Toluene	ND	1.0		µg/L	1	2/18/2016 7:37:20 PM	A32246
Ethylbenzene	ND	1.0		µg/L	1	2/18/2016 7:37:20 PM	A32246
Methyl tert-butyl ether (MTBE)	ND	1.0		µg/L	1	2/18/2016 7:37:20 PM	A32246
1,2,4-Trimethylbenzene	ND	1.0		µg/L	1	2/18/2016 7:37:20 PM	A32246
1,3,5-Trimethylbenzene	ND	1.0		µg/L	1	2/18/2016 7:37:20 PM	A32246
1,2-Dichloroethane (EDC)	ND	1.0		µg/L	1	2/18/2016 7:37:20 PM	A32246
1,2-Dibromoethane (EDB)	ND	1.0		µg/L	1	2/18/2016 7:37:20 PM	A32246
Naphthalene	ND	2.0		µg/L	1	2/18/2016 7:37:20 PM	A32246
1-Methylnaphthalene	ND	4.0		µg/L	1	2/18/2016 7:37:20 PM	A32246
2-Methylnaphthalene	ND	4.0		µg/L	1	2/18/2016 7:37:20 PM	A32246
Acetone	ND	10		µg/L	1	2/18/2016 7:37:20 PM	A32246
Bromobenzene	ND	1.0		µg/L	1	2/18/2016 7:37:20 PM	A32246
Bromodichloromethane	ND	1.0		µg/L	1	2/18/2016 7:37:20 PM	A32246

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Hall Environmental Analysis Laboratory, Inc.

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Project: Thriftway #810 **Collection Date:** 2/17/2016 8:50:00 AM
Lab ID: 1602752-009 **Matrix:** AQUEOUS **Received Date:** 2/18/2016 7:00:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8260B: VOLATILES						Analyst: **AG**	
Bromoform	ND	1.0		µg/L	1	2/18/2016 7:37:20 PM	A32246
Bromomethane	ND	3.0		µg/L	1	2/18/2016 7:37:20 PM	A32246
2-Butanone	ND	10		µg/L	1	2/18/2016 7:37:20 PM	A32246
Carbon disulfide	ND	10		µg/L	1	2/18/2016 7:37:20 PM	A32246
Carbon Tetrachloride	ND	1.0		µg/L	1	2/18/2016 7:37:20 PM	A32246
Chlorobenzene	ND	1.0		µg/L	1	2/18/2016 7:37:20 PM	A32246
Chloroethane	ND	2.0		µg/L	1	2/18/2016 7:37:20 PM	A32246
Chloroform	ND	1.0		µg/L	1	2/18/2016 7:37:20 PM	A32246
Chloromethane	ND	3.0		µg/L	1	2/18/2016 7:37:20 PM	A32246
2-Chlorotoluene	ND	1.0		µg/L	1	2/18/2016 7:37:20 PM	A32246
4-Chlorotoluene	ND	1.0		µg/L	1	2/18/2016 7:37:20 PM	A32246
cis-1,2-DCE	ND	1.0		µg/L	1	2/18/2016 7:37:20 PM	A32246
cis-1,3-Dichloropropene	ND	1.0		µg/L	1	2/18/2016 7:37:20 PM	A32246
1,2-Dibromo-3-chloropropane	ND	2.0		µg/L	1	2/18/2016 7:37:20 PM	A32246
Dibromochloromethane	ND	1.0		µg/L	1	2/18/2016 7:37:20 PM	A32246
Dibromomethane	ND	1.0		µg/L	1	2/18/2016 7:37:20 PM	A32246
1,2-Dichlorobenzene	ND	1.0		µg/L	1	2/18/2016 7:37:20 PM	A32246
1,3-Dichlorobenzene	ND	1.0		µg/L	1	2/18/2016 7:37:20 PM	A32246
1,4-Dichlorobenzene	ND	1.0		µg/L	1	2/18/2016 7:37:20 PM	A32246
Dichlorodifluoromethane	ND	1.0		µg/L	1	2/18/2016 7:37:20 PM	A32246
1,1-Dichloroethane	ND	1.0		µg/L	1	2/18/2016 7:37:20 PM	A32246
1,1-Dichloroethene	ND	1.0		µg/L	1	2/18/2016 7:37:20 PM	A32246
1,2-Dichloropropane	ND	1.0		µg/L	1	2/18/2016 7:37:20 PM	A32246
1,3-Dichloropropane	ND	1.0		µg/L	1	2/18/2016 7:37:20 PM	A32246
2,2-Dichloropropane	ND	2.0		µg/L	1	2/18/2016 7:37:20 PM	A32246
1,1-Dichloropropene	ND	1.0		µg/L	1	2/18/2016 7:37:20 PM	A32246
Hexachlorobutadiene	ND	1.0		µg/L	1	2/18/2016 7:37:20 PM	A32246
2-Hexanone	ND	10		µg/L	1	2/18/2016 7:37:20 PM	A32246
Isopropylbenzene	ND	1.0		µg/L	1	2/18/2016 7:37:20 PM	A32246
4-Isopropyltoluene	ND	1.0		µg/L	1	2/18/2016 7:37:20 PM	A32246
4-Methyl-2-pentanone	ND	10		µg/L	1	2/18/2016 7:37:20 PM	A32246
Methylene Chloride	ND	3.0		µg/L	1	2/18/2016 7:37:20 PM	A32246
n-Butylbenzene	ND	3.0		µg/L	1	2/18/2016 7:37:20 PM	A32246
n-Propylbenzene	ND	1.0		µg/L	1	2/18/2016 7:37:20 PM	A32246
sec-Butylbenzene	ND	1.0		µg/L	1	2/18/2016 7:37:20 PM	A32246
Styrene	ND	1.0		µg/L	1	2/18/2016 7:37:20 PM	A32246
tert-Butylbenzene	ND	1.0		µg/L	1	2/18/2016 7:37:20 PM	A32246
1,1,1,2-Tetrachloroethane	ND	1.0		µg/L	1	2/18/2016 7:37:20 PM	A32246
1,1,2,2-Tetrachloroethane	ND	2.0		µg/L	1	2/18/2016 7:37:20 PM	A32246

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Qualifiers:

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

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Biotech Remediation, Inc. **Client Sample ID:** TW-11
Project: Thriftway #810 **Collection Date:** 2/17/2016 8:50:00 AM
Lab ID: 1602752-009 **Matrix:** AQUEOUS **Received Date:** 2/18/2016 7:00:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8260B: VOLATILES						Analyst: **AG**	
Tetrachloroethene (PCE)	ND	1.0		µg/L	1	2/18/2016 7:37:20 PM	A32246
trans-1,2-DCE	ND	1.0		µg/L	1	2/18/2016 7:37:20 PM	A32246
trans-1,3-Dichloropropene	ND	1.0		µg/L	1	2/18/2016 7:37:20 PM	A32246
1,2,3-Trichlorobenzene	ND	1.0		µg/L	1	2/18/2016 7:37:20 PM	A32246
1,2,4-Trichlorobenzene	ND	1.0		µg/L	1	2/18/2016 7:37:20 PM	A32246
1,1,1-Trichloroethane	ND	1.0		µg/L	1	2/18/2016 7:37:20 PM	A32246
1,1,2-Trichloroethane	ND	1.0		µg/L	1	2/18/2016 7:37:20 PM	A32246
Trichloroethene (TCE)	ND	1.0		µg/L	1	2/18/2016 7:37:20 PM	A32246
Trichlorofluoromethane	ND	1.0		µg/L	1	2/18/2016 7:37:20 PM	A32246
1,2,3-Trichloropropane	ND	2.0		µg/L	1	2/18/2016 7:37:20 PM	A32246
Vinyl chloride	ND	1.0		µg/L	1	2/18/2016 7:37:20 PM	A32246
Xylenes, Total	ND	1.5		µg/L	1	2/18/2016 7:37:20 PM	A32246
Surr: 1,2-Dichloroethane-d4	104	70-130		%Rec	1	2/18/2016 7:37:20 PM	A32246
Surr: 4-Bromofluorobenzene	103	70-130		%Rec	1	2/18/2016 7:37:20 PM	A32246
Surr: Dibromofluoromethane	114	70-130		%Rec	1	2/18/2016 7:37:20 PM	A32246
Surr: Toluene-d8	98.8	70-130		%Rec	1	2/18/2016 7:37:20 PM	A32246

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

Qualifiers:

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

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Biotech Remediation, Inc. **Client Sample ID:** TW-18
Project: Thriftway #810 **Collection Date:** 2/17/2016 9:45:00 AM
Lab ID: 1602752-010 **Matrix:** AQUEOUS **Received Date:** 2/18/2016 7:00:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analyst:	**LGT**
Fluoride	0.54	0.10		mg/L	1	2/19/2016 2:53:45 AM	A32253
Chloride	120	10		mg/L	20	3/2/2016 5:12:41 PM	R32545
Nitrogen, Nitrite (As N)	ND	0.10		mg/L	1	2/19/2016 2:53:45 AM	A32253
Bromide	0.59	0.10		mg/L	1	2/19/2016 2:53:45 AM	A32253
Nitrogen, Nitrate (As N)	ND	0.10		mg/L	1	2/19/2016 2:53:45 AM	A32253
Phosphorus, Orthophosphate (As P)	ND	10	H	mg/L	20	3/2/2016 5:12:41 PM	R32545
Sulfate	4000	50		mg/L	100	3/2/2016 5:25:05 PM	R32545
SM2510B: SPECIFIC CONDUCTANCE						Analyst:	**JRR**
Conductivity	6800	0.010		µmhos/cm	1	2/24/2016 5:18:45 PM	R32387
SM2320B: ALKALINITY						Analyst:	**JRR**
Bicarbonate (As CaCO3)	301.6	20.00		mg/L CaCO3	1	2/24/2016 5:18:45 PM	R32387
Carbonate (As CaCO3)	ND	2.000		mg/L CaCO3	1	2/24/2016 5:18:45 PM	R32387
Total Alkalinity (as CaCO3)	301.6	20.00		mg/L CaCO3	1	2/24/2016 5:18:45 PM	R32387
SM2540C MOD: TOTAL DISSOLVED SOLIDS						Analyst:	**KS**
Total Dissolved Solids	6200	100	*D	mg/L	1	2/22/2016 7:18:00 PM	23844
EPA METHOD 7470: MERCURY						Analyst:	**pmf**
Mercury	ND	0.00020		mg/L	1	2/19/2016 12:22:06 PM	23821
EPA METHOD 6010B: DISSOLVED METALS						Analyst:	**ELS**
Calcium	460	5.0		mg/L	5	2/19/2016 2:09:51 PM	R32288
Lead	ND	0.0050		mg/L	1	2/19/2016 2:02:38 PM	R32288
Magnesium	46	1.0		mg/L	1	2/19/2016 2:02:38 PM	R32288
Potassium	5.1	1.0		mg/L	1	2/19/2016 2:02:38 PM	R32288
Sodium	1500	20		mg/L	20	2/29/2016 1:11:23 PM	A32463
EPA 6010B: TOTAL RECOVERABLE METALS						Analyst:	**ELS**
Arsenic	0.023	0.020		mg/L	1	2/19/2016 12:51:08 PM	23820
Barium	0.092	0.020		mg/L	1	2/19/2016 12:51:08 PM	23820
Cadmium	ND	0.0020		mg/L	1	2/19/2016 12:51:08 PM	23820
Chromium	ND	0.0060		mg/L	1	2/19/2016 12:51:08 PM	23820
Lead	ND	0.0050		mg/L	1	2/19/2016 12:51:08 PM	23820
Selenium	ND	0.050		mg/L	1	2/19/2016 12:51:08 PM	23820
Silver	ND	0.0050		mg/L	1	2/19/2016 12:51:08 PM	23820
EPA METHOD 8015M/D: DIESEL RANGE						Analyst:	**KJH**
Diesel Range Organics (DRO)	ND	1.0		mg/L	1	2/19/2016 8:28:52 PM	23831
Motor Oil Range Organics (MRO)	ND	5.0		mg/L	1	2/19/2016 8:28:52 PM	23831
Surr: DNOP	115	70-141		%Rec	1	2/19/2016 8:28:52 PM	23831

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

Qualifiers:

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

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Biotech Remediation, Inc. **Client Sample ID:** TW-18
Project: Thriftway #810 **Collection Date:** 2/17/2016 9:45:00 AM
Lab ID: 1602752-010 **Matrix:** AQUEOUS **Received Date:** 2/18/2016 7:00:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **NSB**	
Gasoline Range Organics (GRO)	ND	0.050		mg/L	1	2/19/2016 5:51:23 PM	B32265
Surr: BFB	86.5	49.5-130		%Rec	1	2/19/2016 5:51:23 PM	B32265
EPA METHOD 8270C: PAHS						Analyst: **DAM**	
Naphthalene	ND	0.50		µg/L	1	2/22/2016 5:32:39 PM	23851
1-Methylnaphthalene	ND	0.50		µg/L	1	2/22/2016 5:32:39 PM	23851
2-Methylnaphthalene	ND	0.50		µg/L	1	2/22/2016 5:32:39 PM	23851
Acenaphthylene	ND	0.50		µg/L	1	2/22/2016 5:32:39 PM	23851
Acenaphthene	ND	0.50		µg/L	1	2/22/2016 5:32:39 PM	23851
Fluorene	ND	0.50		µg/L	1	2/22/2016 5:32:39 PM	23851
Phenanthrene	ND	0.50		µg/L	1	2/22/2016 5:32:39 PM	23851
Anthracene	ND	0.50		µg/L	1	2/22/2016 5:32:39 PM	23851
Fluoranthene	ND	0.50		µg/L	1	2/22/2016 5:32:39 PM	23851
Pyrene	ND	0.50		µg/L	1	2/22/2016 5:32:39 PM	23851
Benz(a)anthracene	ND	0.50		µg/L	1	2/22/2016 5:32:39 PM	23851
Chrysene	ND	0.50		µg/L	1	2/22/2016 5:32:39 PM	23851
Benzo(b)fluoranthene	ND	0.50		µg/L	1	2/22/2016 5:32:39 PM	23851
Benzo(k)fluoranthene	ND	0.50		µg/L	1	2/22/2016 5:32:39 PM	23851
Benzo(a)pyrene	ND	0.50		µg/L	1	2/22/2016 5:32:39 PM	23851
Dibenz(a,h)anthracene	ND	0.50		µg/L	1	2/22/2016 5:32:39 PM	23851
Benzo(g,h,i)perylene	ND	0.50		µg/L	1	2/22/2016 5:32:39 PM	23851
Indeno(1,2,3-cd)pyrene	ND	0.50		µg/L	1	2/22/2016 5:32:39 PM	23851
Surr: N-hexadecane	36.1	20.2-162		%Rec	1	2/22/2016 5:32:39 PM	23851
Surr: Benzo(e)pyrene	35.7	21.1-159		%Rec	1	2/22/2016 5:32:39 PM	23851
EPA METHOD 8260B: VOLATILES						Analyst: **AG**	
Benzene	ND	1.0		µg/L	1	2/18/2016 8:06:09 PM	A32246
Toluene	ND	1.0		µg/L	1	2/18/2016 8:06:09 PM	A32246
Ethylbenzene	ND	1.0		µg/L	1	2/18/2016 8:06:09 PM	A32246
Methyl tert-butyl ether (MTBE)	ND	1.0		µg/L	1	2/18/2016 8:06:09 PM	A32246
1,2,4-Trimethylbenzene	ND	1.0		µg/L	1	2/18/2016 8:06:09 PM	A32246
1,3,5-Trimethylbenzene	ND	1.0		µg/L	1	2/18/2016 8:06:09 PM	A32246
1,2-Dichloroethane (EDC)	ND	1.0		µg/L	1	2/18/2016 8:06:09 PM	A32246
1,2-Dibromoethane (EDB)	ND	1.0		µg/L	1	2/18/2016 8:06:09 PM	A32246
Naphthalene	ND	2.0		µg/L	1	2/18/2016 8:06:09 PM	A32246
1-Methylnaphthalene	ND	4.0		µg/L	1	2/18/2016 8:06:09 PM	A32246
2-Methylnaphthalene	ND	4.0		µg/L	1	2/18/2016 8:06:09 PM	A32246
Acetone	ND	10		µg/L	1	2/18/2016 8:06:09 PM	A32246
Bromobenzene	ND	1.0		µg/L	1	2/18/2016 8:06:09 PM	A32246
Bromodichloromethane	ND	1.0		µg/L	1	2/18/2016 8:06:09 PM	A32246

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

Qualifiers:

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

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Biotech Remediation, Inc. **Client Sample ID:** TW-18
Project: Thriftway #810 **Collection Date:** 2/17/2016 9:45:00 AM
Lab ID: 1602752-010 **Matrix:** AQUEOUS **Received Date:** 2/18/2016 7:00:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8260B: VOLATILES						Analyst: **AG**	
Bromoform	ND	1.0		µg/L	1	2/18/2016 8:06:09 PM	A32246
Bromomethane	ND	3.0		µg/L	1	2/18/2016 8:06:09 PM	A32246
2-Butanone	ND	10		µg/L	1	2/18/2016 8:06:09 PM	A32246
Carbon disulfide	ND	10		µg/L	1	2/18/2016 8:06:09 PM	A32246
Carbon Tetrachloride	ND	1.0		µg/L	1	2/18/2016 8:06:09 PM	A32246
Chlorobenzene	ND	1.0		µg/L	1	2/18/2016 8:06:09 PM	A32246
Chloroethane	ND	2.0		µg/L	1	2/18/2016 8:06:09 PM	A32246
Chloroform	ND	1.0		µg/L	1	2/18/2016 8:06:09 PM	A32246
Chloromethane	ND	3.0		µg/L	1	2/18/2016 8:06:09 PM	A32246
2-Chlorotoluene	ND	1.0		µg/L	1	2/18/2016 8:06:09 PM	A32246
4-Chlorotoluene	ND	1.0		µg/L	1	2/18/2016 8:06:09 PM	A32246
cis-1,2-DCE	ND	1.0		µg/L	1	2/18/2016 8:06:09 PM	A32246
cis-1,3-Dichloropropene	ND	1.0		µg/L	1	2/18/2016 8:06:09 PM	A32246
1,2-Dibromo-3-chloropropane	ND	2.0		µg/L	1	2/18/2016 8:06:09 PM	A32246
Dibromochloromethane	ND	1.0		µg/L	1	2/18/2016 8:06:09 PM	A32246
Dibromomethane	ND	1.0		µg/L	1	2/18/2016 8:06:09 PM	A32246
1,2-Dichlorobenzene	ND	1.0		µg/L	1	2/18/2016 8:06:09 PM	A32246
1,3-Dichlorobenzene	ND	1.0		µg/L	1	2/18/2016 8:06:09 PM	A32246
1,4-Dichlorobenzene	ND	1.0		µg/L	1	2/18/2016 8:06:09 PM	A32246
Dichlorodifluoromethane	ND	1.0		µg/L	1	2/18/2016 8:06:09 PM	A32246
1,1-Dichloroethane	ND	1.0		µg/L	1	2/18/2016 8:06:09 PM	A32246
1,1-Dichloroethene	ND	1.0		µg/L	1	2/18/2016 8:06:09 PM	A32246
1,2-Dichloropropane	ND	1.0		µg/L	1	2/18/2016 8:06:09 PM	A32246
1,3-Dichloropropane	ND	1.0		µg/L	1	2/18/2016 8:06:09 PM	A32246
2,2-Dichloropropane	ND	2.0		µg/L	1	2/18/2016 8:06:09 PM	A32246
1,1-Dichloropropene	ND	1.0		µg/L	1	2/18/2016 8:06:09 PM	A32246
Hexachlorobutadiene	ND	1.0		µg/L	1	2/18/2016 8:06:09 PM	A32246
2-Hexanone	ND	10		µg/L	1	2/18/2016 8:06:09 PM	A32246
Isopropylbenzene	ND	1.0		µg/L	1	2/18/2016 8:06:09 PM	A32246
4-Isopropyltoluene	ND	1.0		µg/L	1	2/18/2016 8:06:09 PM	A32246
4-Methyl-2-pentanone	ND	10		µg/L	1	2/18/2016 8:06:09 PM	A32246
Methylene Chloride	ND	3.0		µg/L	1	2/18/2016 8:06:09 PM	A32246
n-Butylbenzene	ND	3.0		µg/L	1	2/18/2016 8:06:09 PM	A32246
n-Propylbenzene	ND	1.0		µg/L	1	2/18/2016 8:06:09 PM	A32246
sec-Butylbenzene	ND	1.0		µg/L	1	2/18/2016 8:06:09 PM	A32246
Styrene	ND	1.0		µg/L	1	2/18/2016 8:06:09 PM	A32246
tert-Butylbenzene	ND	1.0		µg/L	1	2/18/2016 8:06:09 PM	A32246
1,1,1,2-Tetrachloroethane	ND	1.0		µg/L	1	2/18/2016 8:06:09 PM	A32246
1,1,2,2-Tetrachloroethane	ND	2.0		µg/L	1	2/18/2016 8:06:09 PM	A32246

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

Qualifiers:

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

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Biotech Remediation, Inc. **Client Sample ID:** TW-18
Project: Thriftway #810 **Collection Date:** 2/17/2016 9:45:00 AM
Lab ID: 1602752-010 **Matrix:** AQUEOUS **Received Date:** 2/18/2016 7:00:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8260B: VOLATILES						Analyst: **AG**	
Tetrachloroethene (PCE)	ND	1.0		µg/L	1	2/18/2016 8:06:09 PM	A32246
trans-1,2-DCE	ND	1.0		µg/L	1	2/18/2016 8:06:09 PM	A32246
trans-1,3-Dichloropropene	ND	1.0		µg/L	1	2/18/2016 8:06:09 PM	A32246
1,2,3-Trichlorobenzene	ND	1.0		µg/L	1	2/18/2016 8:06:09 PM	A32246
1,2,4-Trichlorobenzene	ND	1.0		µg/L	1	2/18/2016 8:06:09 PM	A32246
1,1,1-Trichloroethane	ND	1.0		µg/L	1	2/18/2016 8:06:09 PM	A32246
1,1,2-Trichloroethane	ND	1.0		µg/L	1	2/18/2016 8:06:09 PM	A32246
Trichloroethene (TCE)	ND	1.0		µg/L	1	2/18/2016 8:06:09 PM	A32246
Trichlorofluoromethane	ND	1.0		µg/L	1	2/18/2016 8:06:09 PM	A32246
1,2,3-Trichloropropane	ND	2.0		µg/L	1	2/18/2016 8:06:09 PM	A32246
Vinyl chloride	ND	1.0		µg/L	1	2/18/2016 8:06:09 PM	A32246
Xylenes, Total	ND	1.5		µg/L	1	2/18/2016 8:06:09 PM	A32246
Surr: 1,2-Dichloroethane-d4	105	70-130		%Rec	1	2/18/2016 8:06:09 PM	A32246
Surr: 4-Bromofluorobenzene	102	70-130		%Rec	1	2/18/2016 8:06:09 PM	A32246
Surr: Dibromofluoromethane	109	70-130		%Rec	1	2/18/2016 8:06:09 PM	A32246
Surr: Toluene-d8	100	70-130		%Rec	1	2/18/2016 8:06:09 PM	A32246

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

Qualifiers:

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

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Biotech Remediation, Inc. **Client Sample ID:** TW-15
Project: Thriftway #810 **Collection Date:** 2/17/2016 10:25:00 AM
Lab ID: 1602752-011 **Matrix:** AQUEOUS **Received Date:** 2/18/2016 7:00:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analyst: **LGT**	
Fluoride	0.37	0.10		mg/L	1	2/19/2016 3:18:35 AM	A32253
Chloride	140	10		mg/L	20	3/2/2016 6:02:18 PM	R32545
Nitrogen, Nitrite (As N)	ND	0.10		mg/L	1	2/19/2016 3:18:35 AM	A32253
Bromide	0.61	0.10		mg/L	1	2/19/2016 3:18:35 AM	A32253
Nitrogen, Nitrate (As N)	ND	0.10		mg/L	1	2/19/2016 3:18:35 AM	A32253
Phosphorus, Orthophosphate (As P)	ND	10	H	mg/L	20	3/2/2016 6:02:18 PM	R32545
Sulfate	2600	50		mg/L	100	3/2/2016 6:14:44 PM	R32545
SM2510B: SPECIFIC CONDUCTANCE						Analyst: **JRR**	
Conductivity	4900	0.010		µmhos/cm	1	2/24/2016 5:33:43 PM	R32387
SM2320B: ALKALINITY						Analyst: **JRR**	
Bicarbonate (As CaCO3)	335.1	20.00		mg/L CaCO3	1	2/24/2016 5:33:43 PM	R32387
Carbonate (As CaCO3)	ND	2.000		mg/L CaCO3	1	2/24/2016 5:33:43 PM	R32387
Total Alkalinity (as CaCO3)	335.1	20.00		mg/L CaCO3	1	2/24/2016 5:33:43 PM	R32387
SM2540C MOD: TOTAL DISSOLVED SOLIDS						Analyst: **KS**	
Total Dissolved Solids	4380	200	*D	mg/L	1	2/22/2016 7:18:00 PM	23844
EPA METHOD 7470: MERCURY						Analyst: **pmf**	
Mercury	ND	0.00020		mg/L	1	2/19/2016 12:24:13 PM	23821
EPA METHOD 6010B: DISSOLVED METALS						Analyst: **ELS**	
Calcium	490	5.0		mg/L	5	2/19/2016 2:13:19 PM	R32288
Lead	ND	0.0050		mg/L	1	2/19/2016 2:11:42 PM	R32288
Magnesium	58	1.0		mg/L	1	2/19/2016 2:11:42 PM	R32288
Potassium	3.2	1.0		mg/L	1	2/19/2016 2:11:42 PM	R32288
Sodium	800	10		mg/L	10	2/29/2016 1:13:11 PM	A32463
EPA 6010B: TOTAL RECOVERABLE METALS						Analyst: **ELS**	
Arsenic	0.14	0.020		mg/L	1	2/19/2016 12:58:50 PM	23820
Barium	0.23	0.020		mg/L	1	2/19/2016 12:58:50 PM	23820
Cadmium	ND	0.0020		mg/L	1	2/19/2016 12:58:50 PM	23820
Chromium	ND	0.0060		mg/L	1	2/19/2016 12:58:50 PM	23820
Lead	ND	0.0050		mg/L	1	2/19/2016 12:58:50 PM	23820
Selenium	ND	0.050		mg/L	1	2/19/2016 12:58:50 PM	23820
Silver	ND	0.0050		mg/L	1	2/19/2016 12:58:50 PM	23820
EPA METHOD 8015M/D: DIESEL RANGE						Analyst: **KJH**	
Diesel Range Organics (DRO)	ND	1.0		mg/L	1	2/19/2016 8:50:44 PM	23831
Motor Oil Range Organics (MRO)	ND	5.0		mg/L	1	2/19/2016 8:50:44 PM	23831
Surr: DNOP	106	70-141		%Rec	1	2/19/2016 8:50:44 PM	23831

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

Qualifiers:

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

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Biotech Remediation, Inc. **Client Sample ID:** TW-15
Project: Thriftway #810 **Collection Date:** 2/17/2016 10:25:00 AM
Lab ID: 1602752-011 **Matrix:** AQUEOUS **Received Date:** 2/18/2016 7:00:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **NSB**	
Gasoline Range Organics (GRO)	0.091	0.050		mg/L	1	2/19/2016 7:54:16 PM	B32265
Surr: BFB	97.4	49.5-130		%Rec	1	2/19/2016 7:54:16 PM	B32265
EPA METHOD 8270C: PAHS						Analyst: **DAM**	
Naphthalene	ND	0.50		µg/L	1	2/22/2016 4:44:14 PM	23851
1-Methylnaphthalene	ND	0.50		µg/L	1	2/22/2016 4:44:14 PM	23851
2-Methylnaphthalene	ND	0.50		µg/L	1	2/22/2016 4:44:14 PM	23851
Acenaphthylene	ND	0.50		µg/L	1	2/22/2016 4:44:14 PM	23851
Acenaphthene	ND	0.50		µg/L	1	2/22/2016 4:44:14 PM	23851
Fluorene	ND	0.50		µg/L	1	2/22/2016 4:44:14 PM	23851
Phenanthrene	ND	0.50		µg/L	1	2/22/2016 4:44:14 PM	23851
Anthracene	ND	0.50		µg/L	1	2/22/2016 4:44:14 PM	23851
Fluoranthene	ND	0.50		µg/L	1	2/22/2016 4:44:14 PM	23851
Pyrene	ND	0.50		µg/L	1	2/22/2016 4:44:14 PM	23851
Benz(a)anthracene	ND	0.50		µg/L	1	2/22/2016 4:44:14 PM	23851
Chrysene	ND	0.50		µg/L	1	2/22/2016 4:44:14 PM	23851
Benzo(b)fluoranthene	ND	0.50		µg/L	1	2/22/2016 4:44:14 PM	23851
Benzo(k)fluoranthene	ND	0.50		µg/L	1	2/22/2016 4:44:14 PM	23851
Benzo(a)pyrene	ND	0.50		µg/L	1	2/22/2016 4:44:14 PM	23851
Dibenz(a,h)anthracene	ND	0.50		µg/L	1	2/22/2016 4:44:14 PM	23851
Benzo(g,h,i)perylene	ND	0.50		µg/L	1	2/22/2016 4:44:14 PM	23851
Indeno(1,2,3-cd)pyrene	ND	0.50		µg/L	1	2/22/2016 4:44:14 PM	23851
Surr: N-hexadecane	41.8	20.2-162		%Rec	1	2/22/2016 4:44:14 PM	23851
Surr: Benzo(e)pyrene	37.8	21.1-159		%Rec	1	2/22/2016 4:44:14 PM	23851
EPA METHOD 8260B: VOLATILES						Analyst: **AG**	
Benzene	ND	1.0		µg/L	1	2/18/2016 8:34:59 PM	A32246
Toluene	ND	1.0		µg/L	1	2/18/2016 8:34:59 PM	A32246
Ethylbenzene	ND	1.0		µg/L	1	2/18/2016 8:34:59 PM	A32246
Methyl tert-butyl ether (MTBE)	ND	1.0		µg/L	1	2/18/2016 8:34:59 PM	A32246
1,2,4-Trimethylbenzene	ND	1.0		µg/L	1	2/18/2016 8:34:59 PM	A32246
1,3,5-Trimethylbenzene	ND	1.0		µg/L	1	2/18/2016 8:34:59 PM	A32246
1,2-Dichloroethane (EDC)	ND	1.0		µg/L	1	2/18/2016 8:34:59 PM	A32246
1,2-Dibromoethane (EDB)	ND	1.0		µg/L	1	2/18/2016 8:34:59 PM	A32246
Naphthalene	ND	2.0		µg/L	1	2/18/2016 8:34:59 PM	A32246
1-Methylnaphthalene	ND	4.0		µg/L	1	2/18/2016 8:34:59 PM	A32246
2-Methylnaphthalene	ND	4.0		µg/L	1	2/18/2016 8:34:59 PM	A32246
Acetone	ND	10		µg/L	1	2/18/2016 8:34:59 PM	A32246
Bromobenzene	ND	1.0		µg/L	1	2/18/2016 8:34:59 PM	A32246
Bromodichloromethane	ND	1.0		µg/L	1	2/18/2016 8:34:59 PM	A32246

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

Qualifiers:

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

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Biotech Remediation, Inc. **Client Sample ID:** TW-15
Project: Thriftway #810 **Collection Date:** 2/17/2016 10:25:00 AM
Lab ID: 1602752-011 **Matrix:** AQUEOUS **Received Date:** 2/18/2016 7:00:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8260B: VOLATILES						Analyst: **AG**	
Bromoform	ND	1.0		µg/L	1	2/18/2016 8:34:59 PM	A32246
Bromomethane	ND	3.0		µg/L	1	2/18/2016 8:34:59 PM	A32246
2-Butanone	ND	10		µg/L	1	2/18/2016 8:34:59 PM	A32246
Carbon disulfide	ND	10		µg/L	1	2/18/2016 8:34:59 PM	A32246
Carbon Tetrachloride	ND	1.0		µg/L	1	2/18/2016 8:34:59 PM	A32246
Chlorobenzene	ND	1.0		µg/L	1	2/18/2016 8:34:59 PM	A32246
Chloroethane	ND	2.0		µg/L	1	2/18/2016 8:34:59 PM	A32246
Chloroform	ND	1.0		µg/L	1	2/18/2016 8:34:59 PM	A32246
Chloromethane	ND	3.0		µg/L	1	2/18/2016 8:34:59 PM	A32246
2-Chlorotoluene	ND	1.0		µg/L	1	2/18/2016 8:34:59 PM	A32246
4-Chlorotoluene	ND	1.0		µg/L	1	2/18/2016 8:34:59 PM	A32246
cis-1,2-DCE	ND	1.0		µg/L	1	2/18/2016 8:34:59 PM	A32246
cis-1,3-Dichloropropene	ND	1.0		µg/L	1	2/18/2016 8:34:59 PM	A32246
1,2-Dibromo-3-chloropropane	ND	2.0		µg/L	1	2/18/2016 8:34:59 PM	A32246
Dibromochloromethane	ND	1.0		µg/L	1	2/18/2016 8:34:59 PM	A32246
Dibromomethane	ND	1.0		µg/L	1	2/18/2016 8:34:59 PM	A32246
1,2-Dichlorobenzene	ND	1.0		µg/L	1	2/18/2016 8:34:59 PM	A32246
1,3-Dichlorobenzene	ND	1.0		µg/L	1	2/18/2016 8:34:59 PM	A32246
1,4-Dichlorobenzene	ND	1.0		µg/L	1	2/18/2016 8:34:59 PM	A32246
Dichlorodifluoromethane	ND	1.0		µg/L	1	2/18/2016 8:34:59 PM	A32246
1,1-Dichloroethane	ND	1.0		µg/L	1	2/18/2016 8:34:59 PM	A32246
1,1-Dichloroethene	ND	1.0		µg/L	1	2/18/2016 8:34:59 PM	A32246
1,2-Dichloropropane	ND	1.0		µg/L	1	2/18/2016 8:34:59 PM	A32246
1,3-Dichloropropane	ND	1.0		µg/L	1	2/18/2016 8:34:59 PM	A32246
2,2-Dichloropropane	ND	2.0		µg/L	1	2/18/2016 8:34:59 PM	A32246
1,1-Dichloropropene	ND	1.0		µg/L	1	2/18/2016 8:34:59 PM	A32246
Hexachlorobutadiene	ND	1.0		µg/L	1	2/18/2016 8:34:59 PM	A32246
2-Hexanone	ND	10		µg/L	1	2/18/2016 8:34:59 PM	A32246
Isopropylbenzene	ND	1.0		µg/L	1	2/18/2016 8:34:59 PM	A32246
4-Isopropyltoluene	ND	1.0		µg/L	1	2/18/2016 8:34:59 PM	A32246
4-Methyl-2-pentanone	ND	10		µg/L	1	2/18/2016 8:34:59 PM	A32246
Methylene Chloride	ND	3.0		µg/L	1	2/18/2016 8:34:59 PM	A32246
n-Butylbenzene	ND	3.0		µg/L	1	2/18/2016 8:34:59 PM	A32246
n-Propylbenzene	ND	1.0		µg/L	1	2/18/2016 8:34:59 PM	A32246
sec-Butylbenzene	ND	1.0		µg/L	1	2/18/2016 8:34:59 PM	A32246
Styrene	ND	1.0		µg/L	1	2/18/2016 8:34:59 PM	A32246
tert-Butylbenzene	ND	1.0		µg/L	1	2/18/2016 8:34:59 PM	A32246
1,1,1,2-Tetrachloroethane	ND	1.0		µg/L	1	2/18/2016 8:34:59 PM	A32246
1,1,2,2-Tetrachloroethane	ND	2.0		µg/L	1	2/18/2016 8:34:59 PM	A32246

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

Qualifiers:

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

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Biotech Remediation, Inc. **Client Sample ID:** TW-15
Project: Thriftway #810 **Collection Date:** 2/17/2016 10:25:00 AM
Lab ID: 1602752-011 **Matrix:** AQUEOUS **Received Date:** 2/18/2016 7:00:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8260B: VOLATILES						Analyst: **AG**	
Tetrachloroethene (PCE)	ND	1.0		µg/L	1	2/18/2016 8:34:59 PM	A32246
trans-1,2-DCE	ND	1.0		µg/L	1	2/18/2016 8:34:59 PM	A32246
trans-1,3-Dichloropropene	ND	1.0		µg/L	1	2/18/2016 8:34:59 PM	A32246
1,2,3-Trichlorobenzene	ND	1.0		µg/L	1	2/18/2016 8:34:59 PM	A32246
1,2,4-Trichlorobenzene	ND	1.0		µg/L	1	2/18/2016 8:34:59 PM	A32246
1,1,1-Trichloroethane	ND	1.0		µg/L	1	2/18/2016 8:34:59 PM	A32246
1,1,2-Trichloroethane	ND	1.0		µg/L	1	2/18/2016 8:34:59 PM	A32246
Trichloroethene (TCE)	ND	1.0		µg/L	1	2/18/2016 8:34:59 PM	A32246
Trichlorofluoromethane	ND	1.0		µg/L	1	2/18/2016 8:34:59 PM	A32246
1,2,3-Trichloropropane	ND	2.0		µg/L	1	2/18/2016 8:34:59 PM	A32246
Vinyl chloride	ND	1.0		µg/L	1	2/18/2016 8:34:59 PM	A32246
Xylenes, Total	ND	1.5		µg/L	1	2/18/2016 8:34:59 PM	A32246
Surr: 1,2-Dichloroethane-d4	103	70-130		%Rec	1	2/18/2016 8:34:59 PM	A32246
Surr: 4-Bromofluorobenzene	105	70-130		%Rec	1	2/18/2016 8:34:59 PM	A32246
Surr: Dibromofluoromethane	116	70-130		%Rec	1	2/18/2016 8:34:59 PM	A32246
Surr: Toluene-d8	99.7	70-130		%Rec	1	2/18/2016 8:34:59 PM	A32246

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Qualifiers:

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D	Sample Diluted Due to Matrix	E	Value above quantitation range
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R	RPD outside accepted recovery limits	RL	Reporting Detection Limit
S	% Recovery outside of range due to dilution or matrix	W	Sample container temperature is out of limit as specified

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Biotech Remediation, Inc. **Client Sample ID:** TW-23
Project: Thriftway #810 **Collection Date:** 2/17/2016 11:10:00 AM
Lab ID: 1602752-012 **Matrix:** AQUEOUS **Received Date:** 2/18/2016 7:00:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analyst:	**LGT**
Fluoride	0.58	0.10		mg/L	1	2/19/2016 4:08:13 AM	A32253
Chloride	150	10		mg/L	20	3/2/2016 6:27:08 PM	R32545
Nitrogen, Nitrite (As N)	ND	0.10		mg/L	1	2/19/2016 4:08:13 AM	A32253
Bromide	0.81	0.10		mg/L	1	2/19/2016 4:08:13 AM	A32253
Nitrogen, Nitrate (As N)	ND	0.10		mg/L	1	2/19/2016 4:08:13 AM	A32253
Phosphorus, Orthophosphate (As P)	ND	10	H	mg/L	20	3/2/2016 6:27:08 PM	R32545
Sulfate	2800	50		mg/L	100	3/2/2016 6:39:33 PM	R32545
SM2510B: SPECIFIC CONDUCTANCE						Analyst:	**JRR**
Conductivity	5400	0.010		µmhos/cm	1	2/24/2016 5:49:36 PM	R32387
SM2320B: ALKALINITY						Analyst:	**JRR**
Bicarbonate (As CaCO3)	329.4	20.00		mg/L CaCO3	1	2/24/2016 5:49:36 PM	R32387
Carbonate (As CaCO3)	ND	2.000		mg/L CaCO3	1	2/24/2016 5:49:36 PM	R32387
Total Alkalinity (as CaCO3)	329.4	20.00		mg/L CaCO3	1	2/24/2016 5:49:36 PM	R32387
SM2540C MOD: TOTAL DISSOLVED SOLIDS						Analyst:	**KS**
Total Dissolved Solids	4280	200	*D	mg/L	1	2/22/2016 7:18:00 PM	23844
EPA METHOD 7470: MERCURY						Analyst:	**pmf**
Mercury	ND	0.00020		mg/L	1	2/19/2016 12:26:20 PM	23821
EPA METHOD 6010B: DISSOLVED METALS						Analyst:	**ELS**
Calcium	430	5.0		mg/L	5	2/19/2016 2:17:02 PM	R32288
Lead	ND	0.0050		mg/L	1	2/19/2016 2:15:05 PM	R32288
Magnesium	50	1.0		mg/L	1	2/19/2016 2:15:05 PM	R32288
Potassium	3.3	1.0		mg/L	1	2/19/2016 2:15:05 PM	R32288
Sodium	1000	20		mg/L	20	2/29/2016 1:15:03 PM	A32463
EPA 6010B: TOTAL RECOVERABLE METALS						Analyst:	**ELS**
Arsenic	0.095	0.020		mg/L	1	2/19/2016 1:00:33 PM	23820
Barium	0.35	0.020		mg/L	1	2/19/2016 1:00:33 PM	23820
Cadmium	ND	0.0020		mg/L	1	2/19/2016 1:00:33 PM	23820
Chromium	ND	0.0060		mg/L	1	2/19/2016 1:00:33 PM	23820
Lead	ND	0.0050		mg/L	1	2/19/2016 1:00:33 PM	23820
Selenium	ND	0.050		mg/L	1	2/19/2016 1:00:33 PM	23820
Silver	ND	0.0050		mg/L	1	2/19/2016 1:00:33 PM	23820
EPA METHOD 8015M/D: DIESEL RANGE						Analyst:	**KJH**
Diesel Range Organics (DRO)	ND	1.0		mg/L	1	2/19/2016 9:12:27 PM	23831
Motor Oil Range Organics (MRO)	ND	5.0		mg/L	1	2/19/2016 9:12:27 PM	23831
Surr: DNOP	115	70-141		%Rec	1	2/19/2016 9:12:27 PM	23831

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

Qualifiers:

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

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Biotech Remediation, Inc. **Client Sample ID:** TW-23
Project: Thriftway #810 **Collection Date:** 2/17/2016 11:10:00 AM
Lab ID: 1602752-012 **Matrix:** AQUEOUS **Received Date:** 2/18/2016 7:00:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **NSB**	
Gasoline Range Organics (GRO)	ND	0.050		mg/L	1	2/19/2016 8:19:03 PM	B32265
Surr: BFB	83.2	49.5-130		%Rec	1	2/19/2016 8:19:03 PM	B32265
EPA METHOD 8270C: PAHS						Analyst: **DAM**	
Naphthalene	ND	0.50		µg/L	1	2/22/2016 5:08:25 PM	23851
1-Methylnaphthalene	ND	0.50		µg/L	1	2/22/2016 5:08:25 PM	23851
2-Methylnaphthalene	ND	0.50		µg/L	1	2/22/2016 5:08:25 PM	23851
Acenaphthylene	ND	0.50		µg/L	1	2/22/2016 5:08:25 PM	23851
Acenaphthene	ND	0.50		µg/L	1	2/22/2016 5:08:25 PM	23851
Fluorene	ND	0.50		µg/L	1	2/22/2016 5:08:25 PM	23851
Phenanthrene	ND	0.50		µg/L	1	2/22/2016 5:08:25 PM	23851
Anthracene	ND	0.50		µg/L	1	2/22/2016 5:08:25 PM	23851
Fluoranthene	ND	0.50		µg/L	1	2/22/2016 5:08:25 PM	23851
Pyrene	ND	0.50		µg/L	1	2/22/2016 5:08:25 PM	23851
Benz(a)anthracene	ND	0.50		µg/L	1	2/22/2016 5:08:25 PM	23851
Chrysene	ND	0.50		µg/L	1	2/22/2016 5:08:25 PM	23851
Benzo(b)fluoranthene	ND	0.50		µg/L	1	2/22/2016 5:08:25 PM	23851
Benzo(k)fluoranthene	ND	0.50		µg/L	1	2/22/2016 5:08:25 PM	23851
Benzo(a)pyrene	ND	0.50		µg/L	1	2/22/2016 5:08:25 PM	23851
Dibenz(a,h)anthracene	ND	0.50		µg/L	1	2/22/2016 5:08:25 PM	23851
Benzo(g,h,i)perylene	ND	0.50		µg/L	1	2/22/2016 5:08:25 PM	23851
Indeno(1,2,3-cd)pyrene	ND	0.50		µg/L	1	2/22/2016 5:08:25 PM	23851
Surr: N-hexadecane	39.5	20.2-162		%Rec	1	2/22/2016 5:08:25 PM	23851
Surr: Benzo(e)pyrene	39.0	21.1-159		%Rec	1	2/22/2016 5:08:25 PM	23851
EPA METHOD 8260B: VOLATILES						Analyst: **AG**	
Benzene	ND	1.0		µg/L	1	2/18/2016 9:03:41 PM	A32246
Toluene	ND	1.0		µg/L	1	2/18/2016 9:03:41 PM	A32246
Ethylbenzene	ND	1.0		µg/L	1	2/18/2016 9:03:41 PM	A32246
Methyl tert-butyl ether (MTBE)	ND	1.0		µg/L	1	2/18/2016 9:03:41 PM	A32246
1,2,4-Trimethylbenzene	ND	1.0		µg/L	1	2/18/2016 9:03:41 PM	A32246
1,3,5-Trimethylbenzene	ND	1.0		µg/L	1	2/18/2016 9:03:41 PM	A32246
1,2-Dichloroethane (EDC)	ND	1.0		µg/L	1	2/18/2016 9:03:41 PM	A32246
1,2-Dibromoethane (EDB)	ND	1.0		µg/L	1	2/18/2016 9:03:41 PM	A32246
Naphthalene	ND	2.0		µg/L	1	2/18/2016 9:03:41 PM	A32246
1-Methylnaphthalene	ND	4.0		µg/L	1	2/18/2016 9:03:41 PM	A32246
2-Methylnaphthalene	ND	4.0		µg/L	1	2/18/2016 9:03:41 PM	A32246
Acetone	ND	10		µg/L	1	2/18/2016 9:03:41 PM	A32246
Bromobenzene	ND	1.0		µg/L	1	2/18/2016 9:03:41 PM	A32246
Bromodichloromethane	ND	1.0		µg/L	1	2/18/2016 9:03:41 PM	A32246

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

Qualifiers:

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

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Biotech Remediation, Inc. **Client Sample ID:** TW-23
Project: Thriftway #810 **Collection Date:** 2/17/2016 11:10:00 AM
Lab ID: 1602752-012 **Matrix:** AQUEOUS **Received Date:** 2/18/2016 7:00:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8260B: VOLATILES						Analyst: **AG**	
Bromoform	ND	1.0		µg/L	1	2/18/2016 9:03:41 PM	A32246
Bromomethane	ND	3.0		µg/L	1	2/18/2016 9:03:41 PM	A32246
2-Butanone	ND	10		µg/L	1	2/18/2016 9:03:41 PM	A32246
Carbon disulfide	ND	10		µg/L	1	2/18/2016 9:03:41 PM	A32246
Carbon Tetrachloride	ND	1.0		µg/L	1	2/18/2016 9:03:41 PM	A32246
Chlorobenzene	ND	1.0		µg/L	1	2/18/2016 9:03:41 PM	A32246
Chloroethane	ND	2.0		µg/L	1	2/18/2016 9:03:41 PM	A32246
Chloroform	ND	1.0		µg/L	1	2/18/2016 9:03:41 PM	A32246
Chloromethane	ND	3.0		µg/L	1	2/18/2016 9:03:41 PM	A32246
2-Chlorotoluene	ND	1.0		µg/L	1	2/18/2016 9:03:41 PM	A32246
4-Chlorotoluene	ND	1.0		µg/L	1	2/18/2016 9:03:41 PM	A32246
cis-1,2-DCE	ND	1.0		µg/L	1	2/18/2016 9:03:41 PM	A32246
cis-1,3-Dichloropropene	ND	1.0		µg/L	1	2/18/2016 9:03:41 PM	A32246
1,2-Dibromo-3-chloropropane	ND	2.0		µg/L	1	2/18/2016 9:03:41 PM	A32246
Dibromochloromethane	ND	1.0		µg/L	1	2/18/2016 9:03:41 PM	A32246
Dibromomethane	ND	1.0		µg/L	1	2/18/2016 9:03:41 PM	A32246
1,2-Dichlorobenzene	ND	1.0		µg/L	1	2/18/2016 9:03:41 PM	A32246
1,3-Dichlorobenzene	ND	1.0		µg/L	1	2/18/2016 9:03:41 PM	A32246
1,4-Dichlorobenzene	ND	1.0		µg/L	1	2/18/2016 9:03:41 PM	A32246
Dichlorodifluoromethane	ND	1.0		µg/L	1	2/18/2016 9:03:41 PM	A32246
1,1-Dichloroethane	ND	1.0		µg/L	1	2/18/2016 9:03:41 PM	A32246
1,1-Dichloroethene	ND	1.0		µg/L	1	2/18/2016 9:03:41 PM	A32246
1,2-Dichloropropane	ND	1.0		µg/L	1	2/18/2016 9:03:41 PM	A32246
1,3-Dichloropropane	ND	1.0		µg/L	1	2/18/2016 9:03:41 PM	A32246
2,2-Dichloropropane	ND	2.0		µg/L	1	2/18/2016 9:03:41 PM	A32246
1,1-Dichloropropene	ND	1.0		µg/L	1	2/18/2016 9:03:41 PM	A32246
Hexachlorobutadiene	ND	1.0		µg/L	1	2/18/2016 9:03:41 PM	A32246
2-Hexanone	ND	10		µg/L	1	2/18/2016 9:03:41 PM	A32246
Isopropylbenzene	ND	1.0		µg/L	1	2/18/2016 9:03:41 PM	A32246
4-Isopropyltoluene	ND	1.0		µg/L	1	2/18/2016 9:03:41 PM	A32246
4-Methyl-2-pentanone	ND	10		µg/L	1	2/18/2016 9:03:41 PM	A32246
Methylene Chloride	ND	3.0		µg/L	1	2/18/2016 9:03:41 PM	A32246
n-Butylbenzene	ND	3.0		µg/L	1	2/18/2016 9:03:41 PM	A32246
n-Propylbenzene	ND	1.0		µg/L	1	2/18/2016 9:03:41 PM	A32246
sec-Butylbenzene	ND	1.0		µg/L	1	2/18/2016 9:03:41 PM	A32246
Styrene	ND	1.0		µg/L	1	2/18/2016 9:03:41 PM	A32246
tert-Butylbenzene	ND	1.0		µg/L	1	2/18/2016 9:03:41 PM	A32246
1,1,1,2-Tetrachloroethane	ND	1.0		µg/L	1	2/18/2016 9:03:41 PM	A32246
1,1,2,2-Tetrachloroethane	ND	2.0		µg/L	1	2/18/2016 9:03:41 PM	A32246

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

Qualifiers:

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

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Biotech Remediation, Inc. **Client Sample ID:** TW-23
Project: Thriftway #810 **Collection Date:** 2/17/2016 11:10:00 AM
Lab ID: 1602752-012 **Matrix:** AQUEOUS **Received Date:** 2/18/2016 7:00:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8260B: VOLATILES						Analyst: **AG**	
Tetrachloroethene (PCE)	ND	1.0		µg/L	1	2/18/2016 9:03:41 PM	A32246
trans-1,2-DCE	ND	1.0		µg/L	1	2/18/2016 9:03:41 PM	A32246
trans-1,3-Dichloropropene	ND	1.0		µg/L	1	2/18/2016 9:03:41 PM	A32246
1,2,3-Trichlorobenzene	ND	1.0		µg/L	1	2/18/2016 9:03:41 PM	A32246
1,2,4-Trichlorobenzene	ND	1.0		µg/L	1	2/18/2016 9:03:41 PM	A32246
1,1,1-Trichloroethane	ND	1.0		µg/L	1	2/18/2016 9:03:41 PM	A32246
1,1,2-Trichloroethane	ND	1.0		µg/L	1	2/18/2016 9:03:41 PM	A32246
Trichloroethene (TCE)	ND	1.0		µg/L	1	2/18/2016 9:03:41 PM	A32246
Trichlorofluoromethane	ND	1.0		µg/L	1	2/18/2016 9:03:41 PM	A32246
1,2,3-Trichloropropane	ND	2.0		µg/L	1	2/18/2016 9:03:41 PM	A32246
Vinyl chloride	ND	1.0		µg/L	1	2/18/2016 9:03:41 PM	A32246
Xylenes, Total	ND	1.5		µg/L	1	2/18/2016 9:03:41 PM	A32246
Surr: 1,2-Dichloroethane-d4	107	70-130		%Rec	1	2/18/2016 9:03:41 PM	A32246
Surr: 4-Bromofluorobenzene	104	70-130		%Rec	1	2/18/2016 9:03:41 PM	A32246
Surr: Dibromofluoromethane	122	70-130		%Rec	1	2/18/2016 9:03:41 PM	A32246
Surr: Toluene-d8	100	70-130		%Rec	1	2/18/2016 9:03:41 PM	A32246

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

Qualifiers:

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

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Biotech Remediation, Inc. **Client Sample ID:** TW-17
Project: Thriftway #810 **Collection Date:** 2/17/2016 11:50:00 AM
Lab ID: 1602752-013 **Matrix:** AQUEOUS **Received Date:** 2/18/2016 7:00:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analyst:	**LGT**
Fluoride	0.63	0.10		mg/L	1	2/19/2016 4:33:02 AM	A32253
Chloride	150	10		mg/L	20	3/2/2016 6:51:58 PM	R32545
Nitrogen, Nitrite (As N)	ND	0.10		mg/L	1	2/19/2016 4:33:02 AM	A32253
Bromide	0.82	0.10		mg/L	1	2/19/2016 4:33:02 AM	A32253
Nitrogen, Nitrate (As N)	0.13	0.10		mg/L	1	2/19/2016 4:33:02 AM	A32253
Phosphorus, Orthophosphate (As P)	ND	10	H	mg/L	20	3/2/2016 6:51:58 PM	R32545
Sulfate	2300	50		mg/L	100	3/2/2016 7:04:22 PM	R32545
SM2510B: SPECIFIC CONDUCTANCE						Analyst:	**JRR**
Conductivity	4600	0.010		µmhos/cm	1	2/24/2016 6:09:32 PM	R32387
SM2320B: ALKALINITY						Analyst:	**JRR**
Bicarbonate (As CaCO3)	210.2	20.00		mg/L CaCO3	1	2/24/2016 6:09:32 PM	R32387
Carbonate (As CaCO3)	ND	2.000		mg/L CaCO3	1	2/24/2016 6:09:32 PM	R32387
Total Alkalinity (as CaCO3)	210.2	20.00		mg/L CaCO3	1	2/24/2016 6:09:32 PM	R32387
SM2540C MOD: TOTAL DISSOLVED SOLIDS						Analyst:	**KS**
Total Dissolved Solids	3560	200	*D	mg/L	1	2/23/2016 4:46:00 PM	23872
EPA METHOD 7470: MERCURY						Analyst:	**pmf**
Mercury	ND	0.00020		mg/L	1	2/19/2016 12:28:20 PM	23821
EPA METHOD 6010B: DISSOLVED METALS						Analyst:	**ELS**
Calcium	290	5.0		mg/L	5	2/19/2016 2:20:44 PM	R32288
Lead	ND	0.0050		mg/L	1	2/19/2016 2:18:54 PM	R32288
Magnesium	38	1.0		mg/L	1	2/19/2016 2:18:54 PM	R32288
Potassium	9.1	1.0		mg/L	1	2/19/2016 2:18:54 PM	R32288
Sodium	900	10		mg/L	10	2/29/2016 1:17:04 PM	A32463
EPA 6010B: TOTAL RECOVERABLE METALS						Analyst:	**ELS**
Arsenic	0.55	0.020		mg/L	1	2/19/2016 1:02:29 PM	23820
Barium	0.13	0.020		mg/L	1	2/19/2016 1:02:29 PM	23820
Cadmium	ND	0.0020		mg/L	1	2/19/2016 1:02:29 PM	23820
Chromium	ND	0.0060		mg/L	1	2/19/2016 1:02:29 PM	23820
Lead	0.0093	0.0050		mg/L	1	2/19/2016 1:02:29 PM	23820
Selenium	ND	0.050		mg/L	1	2/19/2016 1:02:29 PM	23820
Silver	ND	0.0050		mg/L	1	2/19/2016 1:02:29 PM	23820
EPA METHOD 8015M/D: DIESEL RANGE						Analyst:	**KJH**
Diesel Range Organics (DRO)	3.3	1.0		mg/L	1	2/19/2016 9:34:20 PM	23831
Motor Oil Range Organics (MRO)	ND	5.0		mg/L	1	2/19/2016 9:34:20 PM	23831
Surr: DNOP	109	70-141		%Rec	1	2/19/2016 9:34:20 PM	23831

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Qualifiers:

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

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Biotech Remediation, Inc. **Client Sample ID:** TW-17
Project: Thriftway #810 **Collection Date:** 2/17/2016 11:50:00 AM
Lab ID: 1602752-013 **Matrix:** AQUEOUS **Received Date:** 2/18/2016 7:00:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **NSB**	
Gasoline Range Organics (GRO)	ND	0.050		mg/L	1	2/19/2016 8:43:46 PM	B32265
Surr: BFB	84.2	49.5-130		%Rec	1	2/19/2016 8:43:46 PM	B32265
EPA METHOD 8270C: PAHS						Analyst: **DAM**	
Naphthalene	ND	0.50		µg/L	1	2/22/2016 6:45:17 PM	23851
1-Methylnaphthalene	ND	0.50		µg/L	1	2/22/2016 6:45:17 PM	23851
2-Methylnaphthalene	ND	0.50		µg/L	1	2/22/2016 6:45:17 PM	23851
Acenaphthylene	ND	0.50		µg/L	1	2/22/2016 6:45:17 PM	23851
Acenaphthene	ND	0.50		µg/L	1	2/22/2016 6:45:17 PM	23851
Fluorene	ND	0.50		µg/L	1	2/22/2016 6:45:17 PM	23851
Phenanthrene	ND	0.50		µg/L	1	2/22/2016 6:45:17 PM	23851
Anthracene	ND	0.50		µg/L	1	2/22/2016 6:45:17 PM	23851
Fluoranthene	ND	0.50		µg/L	1	2/22/2016 6:45:17 PM	23851
Pyrene	ND	0.50		µg/L	1	2/22/2016 6:45:17 PM	23851
Benz(a)anthracene	ND	0.50		µg/L	1	2/22/2016 6:45:17 PM	23851
Chrysene	ND	0.50		µg/L	1	2/22/2016 6:45:17 PM	23851
Benzo(b)fluoranthene	ND	0.50		µg/L	1	2/22/2016 6:45:17 PM	23851
Benzo(k)fluoranthene	ND	0.50		µg/L	1	2/22/2016 6:45:17 PM	23851
Benzo(a)pyrene	ND	0.50		µg/L	1	2/22/2016 6:45:17 PM	23851
Dibenz(a,h)anthracene	ND	0.50		µg/L	1	2/22/2016 6:45:17 PM	23851
Benzo(g,h,i)perylene	ND	0.50		µg/L	1	2/22/2016 6:45:17 PM	23851
Indeno(1,2,3-cd)pyrene	ND	0.50		µg/L	1	2/22/2016 6:45:17 PM	23851
Surr: N-hexadecane	39.5	20.2-162		%Rec	1	2/22/2016 6:45:17 PM	23851
Surr: Benzo(e)pyrene	39.7	21.1-159		%Rec	1	2/22/2016 6:45:17 PM	23851
EPA METHOD 8260B: VOLATILES						Analyst: **AG**	
Benzene	ND	1.0		µg/L	1	2/18/2016 11:27:33 PM	A32246
Toluene	ND	1.0		µg/L	1	2/18/2016 11:27:33 PM	A32246
Ethylbenzene	ND	1.0		µg/L	1	2/18/2016 11:27:33 PM	A32246
Methyl tert-butyl ether (MTBE)	ND	1.0		µg/L	1	2/18/2016 11:27:33 PM	A32246
1,2,4-Trimethylbenzene	ND	1.0		µg/L	1	2/18/2016 11:27:33 PM	A32246
1,3,5-Trimethylbenzene	ND	1.0		µg/L	1	2/18/2016 11:27:33 PM	A32246
1,2-Dichloroethane (EDC)	ND	1.0		µg/L	1	2/18/2016 11:27:33 PM	A32246
1,2-Dibromoethane (EDB)	ND	1.0		µg/L	1	2/18/2016 11:27:33 PM	A32246
Naphthalene	ND	2.0		µg/L	1	2/18/2016 11:27:33 PM	A32246
1-Methylnaphthalene	ND	4.0		µg/L	1	2/18/2016 11:27:33 PM	A32246
2-Methylnaphthalene	ND	4.0		µg/L	1	2/18/2016 11:27:33 PM	A32246
Acetone	ND	10		µg/L	1	2/18/2016 11:27:33 PM	A32246
Bromobenzene	ND	1.0		µg/L	1	2/18/2016 11:27:33 PM	A32246
Bromodichloromethane	ND	1.0		µg/L	1	2/18/2016 11:27:33 PM	A32246

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Qualifiers:

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

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Biotech Remediation, Inc. **Client Sample ID:** TW-17
Project: Thriftway #810 **Collection Date:** 2/17/2016 11:50:00 AM
Lab ID: 1602752-013 **Matrix:** AQUEOUS **Received Date:** 2/18/2016 7:00:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8260B: VOLATILES						Analyst: **AG**	
Bromoform	ND	1.0		µg/L	1	2/18/2016 11:27:33 PM	A32246
Bromomethane	ND	3.0		µg/L	1	2/18/2016 11:27:33 PM	A32246
2-Butanone	ND	10		µg/L	1	2/18/2016 11:27:33 PM	A32246
Carbon disulfide	ND	10		µg/L	1	2/18/2016 11:27:33 PM	A32246
Carbon Tetrachloride	ND	1.0		µg/L	1	2/18/2016 11:27:33 PM	A32246
Chlorobenzene	ND	1.0		µg/L	1	2/18/2016 11:27:33 PM	A32246
Chloroethane	ND	2.0		µg/L	1	2/18/2016 11:27:33 PM	A32246
Chloroform	ND	1.0		µg/L	1	2/18/2016 11:27:33 PM	A32246
Chloromethane	ND	3.0		µg/L	1	2/18/2016 11:27:33 PM	A32246
2-Chlorotoluene	ND	1.0		µg/L	1	2/18/2016 11:27:33 PM	A32246
4-Chlorotoluene	ND	1.0		µg/L	1	2/18/2016 11:27:33 PM	A32246
cis-1,2-DCE	ND	1.0		µg/L	1	2/18/2016 11:27:33 PM	A32246
cis-1,3-Dichloropropene	ND	1.0		µg/L	1	2/18/2016 11:27:33 PM	A32246
1,2-Dibromo-3-chloropropane	ND	2.0		µg/L	1	2/18/2016 11:27:33 PM	A32246
Dibromochloromethane	ND	1.0		µg/L	1	2/18/2016 11:27:33 PM	A32246
Dibromomethane	ND	1.0		µg/L	1	2/18/2016 11:27:33 PM	A32246
1,2-Dichlorobenzene	ND	1.0		µg/L	1	2/18/2016 11:27:33 PM	A32246
1,3-Dichlorobenzene	ND	1.0		µg/L	1	2/18/2016 11:27:33 PM	A32246
1,4-Dichlorobenzene	ND	1.0		µg/L	1	2/18/2016 11:27:33 PM	A32246
Dichlorodifluoromethane	ND	1.0		µg/L	1	2/18/2016 11:27:33 PM	A32246
1,1-Dichloroethane	ND	1.0		µg/L	1	2/18/2016 11:27:33 PM	A32246
1,1-Dichloroethene	ND	1.0		µg/L	1	2/18/2016 11:27:33 PM	A32246
1,2-Dichloropropane	ND	1.0		µg/L	1	2/18/2016 11:27:33 PM	A32246
1,3-Dichloropropane	ND	1.0		µg/L	1	2/18/2016 11:27:33 PM	A32246
2,2-Dichloropropane	ND	2.0		µg/L	1	2/18/2016 11:27:33 PM	A32246
1,1-Dichloropropene	ND	1.0		µg/L	1	2/18/2016 11:27:33 PM	A32246
Hexachlorobutadiene	ND	1.0		µg/L	1	2/18/2016 11:27:33 PM	A32246
2-Hexanone	ND	10		µg/L	1	2/18/2016 11:27:33 PM	A32246
Isopropylbenzene	ND	1.0		µg/L	1	2/18/2016 11:27:33 PM	A32246
4-Isopropyltoluene	ND	1.0		µg/L	1	2/18/2016 11:27:33 PM	A32246
4-Methyl-2-pentanone	ND	10		µg/L	1	2/18/2016 11:27:33 PM	A32246
Methylene Chloride	ND	3.0		µg/L	1	2/18/2016 11:27:33 PM	A32246
n-Butylbenzene	ND	3.0		µg/L	1	2/18/2016 11:27:33 PM	A32246
n-Propylbenzene	ND	1.0		µg/L	1	2/18/2016 11:27:33 PM	A32246
sec-Butylbenzene	ND	1.0		µg/L	1	2/18/2016 11:27:33 PM	A32246
Styrene	ND	1.0		µg/L	1	2/18/2016 11:27:33 PM	A32246
tert-Butylbenzene	ND	1.0		µg/L	1	2/18/2016 11:27:33 PM	A32246
1,1,1,2-Tetrachloroethane	ND	1.0		µg/L	1	2/18/2016 11:27:33 PM	A32246
1,1,2,2-Tetrachloroethane	ND	2.0		µg/L	1	2/18/2016 11:27:33 PM	A32246

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

Qualifiers:

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

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Biotech Remediation, Inc. **Client Sample ID:** TW-17
Project: Thriftway #810 **Collection Date:** 2/17/2016 11:50:00 AM
Lab ID: 1602752-013 **Matrix:** AQUEOUS **Received Date:** 2/18/2016 7:00:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8260B: VOLATILES						Analyst: **AG**	
Tetrachloroethene (PCE)	ND	1.0		µg/L	1	2/18/2016 11:27:33 PM	A32246
trans-1,2-DCE	ND	1.0		µg/L	1	2/18/2016 11:27:33 PM	A32246
trans-1,3-Dichloropropene	ND	1.0		µg/L	1	2/18/2016 11:27:33 PM	A32246
1,2,3-Trichlorobenzene	ND	1.0		µg/L	1	2/18/2016 11:27:33 PM	A32246
1,2,4-Trichlorobenzene	ND	1.0		µg/L	1	2/18/2016 11:27:33 PM	A32246
1,1,1-Trichloroethane	ND	1.0		µg/L	1	2/18/2016 11:27:33 PM	A32246
1,1,2-Trichloroethane	ND	1.0		µg/L	1	2/18/2016 11:27:33 PM	A32246
Trichloroethene (TCE)	ND	1.0		µg/L	1	2/18/2016 11:27:33 PM	A32246
Trichlorofluoromethane	ND	1.0		µg/L	1	2/18/2016 11:27:33 PM	A32246
1,2,3-Trichloropropane	ND	2.0		µg/L	1	2/18/2016 11:27:33 PM	A32246
Vinyl chloride	ND	1.0		µg/L	1	2/18/2016 11:27:33 PM	A32246
Xylenes, Total	ND	1.5		µg/L	1	2/18/2016 11:27:33 PM	A32246
Surr: 1,2-Dichloroethane-d4	106	70-130		%Rec	1	2/18/2016 11:27:33 PM	A32246
Surr: 4-Bromofluorobenzene	101	70-130		%Rec	1	2/18/2016 11:27:33 PM	A32246
Surr: Dibromofluoromethane	120	70-130		%Rec	1	2/18/2016 11:27:33 PM	A32246
Surr: Toluene-d8	102	70-130		%Rec	1	2/18/2016 11:27:33 PM	A32246

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

Qualifiers:

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

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Biotech Remediation, Inc. **Client Sample ID:** TW-16
Project: Thriftway #810 **Collection Date:** 2/17/2016 12:30:00 PM
Lab ID: 1602752-014 **Matrix:** AQUEOUS **Received Date:** 2/18/2016 7:00:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analyst:	**LGT**
Fluoride	1.1	0.10		mg/L	1	2/19/2016 4:57:51 AM	A32253
Chloride	160	10		mg/L	20	3/2/2016 7:16:47 PM	R32545
Nitrogen, Nitrite (As N)	ND	0.10		mg/L	1	2/19/2016 4:57:51 AM	A32253
Bromide	0.87	0.10		mg/L	1	2/19/2016 4:57:51 AM	A32253
Nitrogen, Nitrate (As N)	5.5	2.0		mg/L	20	2/19/2016 5:10:16 AM	A32253
Phosphorus, Orthophosphate (As P)	ND	10	H	mg/L	20	3/2/2016 7:16:47 PM	R32545
Sulfate	1400	50		mg/L	100	3/2/2016 7:29:11 PM	R32545
SM2510B: SPECIFIC CONDUCTANCE						Analyst:	**JRR**
Conductivity	3500	0.010		µmhos/cm	1	2/24/2016 6:21:41 PM	R32387
SM2320B: ALKALINITY						Analyst:	**JRR**
Bicarbonate (As CaCO3)	286.7	20.00		mg/L CaCO3	1	2/24/2016 6:21:41 PM	R32387
Carbonate (As CaCO3)	ND	2.000		mg/L CaCO3	1	2/24/2016 6:21:41 PM	R32387
Total Alkalinity (as CaCO3)	286.7	20.00		mg/L CaCO3	1	2/24/2016 6:21:41 PM	R32387
SM2540C MOD: TOTAL DISSOLVED SOLIDS						Analyst:	**KS**
Total Dissolved Solids	2560	200	*D	mg/L	1	2/23/2016 4:46:00 PM	23872
EPA METHOD 7470: MERCURY						Analyst:	**pmf**
Mercury	ND	0.00020		mg/L	1	2/19/2016 12:30:21 PM	23821
EPA METHOD 6010B: DISSOLVED METALS						Analyst:	**ELS**
Calcium	240	5.0		mg/L	5	2/19/2016 2:24:35 PM	R32288
Lead	ND	0.0050		mg/L	1	2/19/2016 2:22:44 PM	R32288
Magnesium	24	1.0		mg/L	1	2/19/2016 2:22:44 PM	R32288
Potassium	9.7	1.0		mg/L	1	2/19/2016 2:22:44 PM	R32288
Sodium	650	10		mg/L	10	2/29/2016 1:18:56 PM	A32463
EPA 6010B: TOTAL RECOVERABLE METALS						Analyst:	**ELS**
Arsenic	0.12	0.020		mg/L	1	2/19/2016 1:04:20 PM	23820
Barium	2.4	0.10		mg/L	5	2/23/2016 1:27:46 PM	23820
Cadmium	ND	0.0020		mg/L	1	2/19/2016 1:04:20 PM	23820
Chromium	0.064	0.0060		mg/L	1	2/19/2016 1:04:20 PM	23820
Lead	0.050	0.0050		mg/L	1	2/19/2016 1:04:20 PM	23820
Selenium	ND	0.050		mg/L	1	2/19/2016 1:04:20 PM	23820
Silver	ND	0.0050		mg/L	1	2/19/2016 1:04:20 PM	23820
EPA METHOD 8015M/D: DIESEL RANGE						Analyst:	**KJH**
Diesel Range Organics (DRO)	1.5	1.0		mg/L	1	2/19/2016 9:56:03 PM	23831
Motor Oil Range Organics (MRO)	ND	5.0		mg/L	1	2/19/2016 9:56:03 PM	23831
Surr: DNOP	100	70-141		%Rec	1	2/19/2016 9:56:03 PM	23831

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

Qualifiers:

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

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Biotech Remediation, Inc. **Client Sample ID:** TW-16
Project: Thriftway #810 **Collection Date:** 2/17/2016 12:30:00 PM
Lab ID: 1602752-014 **Matrix:** AQUEOUS **Received Date:** 2/18/2016 7:00:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **NSB**	
Gasoline Range Organics (GRO)	ND	0.10		mg/L	2	2/19/2016 9:08:10 PM	B32265
Surr: BFB	81.8	49.5-130		%Rec	2	2/19/2016 9:08:10 PM	B32265
EPA METHOD 8270C: PAHS						Analyst: **DAM**	
Naphthalene	ND	0.50		µg/L	1	2/22/2016 7:33:43 PM	23851
1-Methylnaphthalene	ND	0.50		µg/L	1	2/22/2016 7:33:43 PM	23851
2-Methylnaphthalene	ND	0.50		µg/L	1	2/22/2016 7:33:43 PM	23851
Acenaphthylene	ND	0.50		µg/L	1	2/22/2016 7:33:43 PM	23851
Acenaphthene	ND	0.50		µg/L	1	2/22/2016 7:33:43 PM	23851
Fluorene	ND	0.50		µg/L	1	2/22/2016 7:33:43 PM	23851
Phenanthrene	ND	0.50		µg/L	1	2/22/2016 7:33:43 PM	23851
Anthracene	ND	0.50		µg/L	1	2/22/2016 7:33:43 PM	23851
Fluoranthene	ND	0.50		µg/L	1	2/22/2016 7:33:43 PM	23851
Pyrene	ND	0.50		µg/L	1	2/22/2016 7:33:43 PM	23851
Benz(a)anthracene	ND	0.50		µg/L	1	2/22/2016 7:33:43 PM	23851
Chrysene	ND	0.50		µg/L	1	2/22/2016 7:33:43 PM	23851
Benzo(b)fluoranthene	ND	0.50		µg/L	1	2/22/2016 7:33:43 PM	23851
Benzo(k)fluoranthene	ND	0.50		µg/L	1	2/22/2016 7:33:43 PM	23851
Benzo(a)pyrene	ND	0.50		µg/L	1	2/22/2016 7:33:43 PM	23851
Dibenz(a,h)anthracene	ND	0.50		µg/L	1	2/22/2016 7:33:43 PM	23851
Benzo(g,h,i)perylene	ND	0.50		µg/L	1	2/22/2016 7:33:43 PM	23851
Indeno(1,2,3-cd)pyrene	ND	0.50		µg/L	1	2/22/2016 7:33:43 PM	23851
Surr: N-hexadecane	39.4	20.2-162		%Rec	1	2/22/2016 7:33:43 PM	23851
Surr: Benzo(e)pyrene	35.2	21.1-159		%Rec	1	2/22/2016 7:33:43 PM	23851
EPA METHOD 8260B: VOLATILES						Analyst: **AG**	
Benzene	ND	1.0		µg/L	1	2/18/2016 11:56:23 PM	A32246
Toluene	ND	1.0		µg/L	1	2/18/2016 11:56:23 PM	A32246
Ethylbenzene	ND	1.0		µg/L	1	2/18/2016 11:56:23 PM	A32246
Methyl tert-butyl ether (MTBE)	ND	1.0		µg/L	1	2/18/2016 11:56:23 PM	A32246
1,2,4-Trimethylbenzene	ND	1.0		µg/L	1	2/18/2016 11:56:23 PM	A32246
1,3,5-Trimethylbenzene	ND	1.0		µg/L	1	2/18/2016 11:56:23 PM	A32246
1,2-Dichloroethane (EDC)	ND	1.0		µg/L	1	2/18/2016 11:56:23 PM	A32246
1,2-Dibromoethane (EDB)	ND	1.0		µg/L	1	2/18/2016 11:56:23 PM	A32246
Naphthalene	ND	2.0		µg/L	1	2/18/2016 11:56:23 PM	A32246
1-Methylnaphthalene	ND	4.0		µg/L	1	2/18/2016 11:56:23 PM	A32246
2-Methylnaphthalene	ND	4.0		µg/L	1	2/18/2016 11:56:23 PM	A32246
Acetone	ND	10		µg/L	1	2/18/2016 11:56:23 PM	A32246
Bromobenzene	ND	1.0		µg/L	1	2/18/2016 11:56:23 PM	A32246
Bromodichloromethane	ND	1.0		µg/L	1	2/18/2016 11:56:23 PM	A32246

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

Qualifiers:

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

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Biotech Remediation, Inc. **Client Sample ID:** TW-16
Project: Thriftway #810 **Collection Date:** 2/17/2016 12:30:00 PM
Lab ID: 1602752-014 **Matrix:** AQUEOUS **Received Date:** 2/18/2016 7:00:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8260B: VOLATILES						Analyst: **AG**	
Bromoform	ND	1.0		µg/L	1	2/18/2016 11:56:23 PM	A32246
Bromomethane	ND	3.0		µg/L	1	2/18/2016 11:56:23 PM	A32246
2-Butanone	ND	10		µg/L	1	2/18/2016 11:56:23 PM	A32246
Carbon disulfide	ND	10		µg/L	1	2/18/2016 11:56:23 PM	A32246
Carbon Tetrachloride	ND	1.0		µg/L	1	2/18/2016 11:56:23 PM	A32246
Chlorobenzene	ND	1.0		µg/L	1	2/18/2016 11:56:23 PM	A32246
Chloroethane	ND	2.0		µg/L	1	2/18/2016 11:56:23 PM	A32246
Chloroform	ND	1.0		µg/L	1	2/18/2016 11:56:23 PM	A32246
Chloromethane	ND	3.0		µg/L	1	2/18/2016 11:56:23 PM	A32246
2-Chlorotoluene	ND	1.0		µg/L	1	2/18/2016 11:56:23 PM	A32246
4-Chlorotoluene	ND	1.0		µg/L	1	2/18/2016 11:56:23 PM	A32246
cis-1,2-DCE	ND	1.0		µg/L	1	2/18/2016 11:56:23 PM	A32246
cis-1,3-Dichloropropene	ND	1.0		µg/L	1	2/18/2016 11:56:23 PM	A32246
1,2-Dibromo-3-chloropropane	ND	2.0		µg/L	1	2/18/2016 11:56:23 PM	A32246
Dibromochloromethane	ND	1.0		µg/L	1	2/18/2016 11:56:23 PM	A32246
Dibromomethane	ND	1.0		µg/L	1	2/18/2016 11:56:23 PM	A32246
1,2-Dichlorobenzene	ND	1.0		µg/L	1	2/18/2016 11:56:23 PM	A32246
1,3-Dichlorobenzene	ND	1.0		µg/L	1	2/18/2016 11:56:23 PM	A32246
1,4-Dichlorobenzene	ND	1.0		µg/L	1	2/18/2016 11:56:23 PM	A32246
Dichlorodifluoromethane	ND	1.0		µg/L	1	2/18/2016 11:56:23 PM	A32246
1,1-Dichloroethane	ND	1.0		µg/L	1	2/18/2016 11:56:23 PM	A32246
1,1-Dichloroethene	ND	1.0		µg/L	1	2/18/2016 11:56:23 PM	A32246
1,2-Dichloropropane	ND	1.0		µg/L	1	2/18/2016 11:56:23 PM	A32246
1,3-Dichloropropane	ND	1.0		µg/L	1	2/18/2016 11:56:23 PM	A32246
2,2-Dichloropropane	ND	2.0		µg/L	1	2/18/2016 11:56:23 PM	A32246
1,1-Dichloropropene	ND	1.0		µg/L	1	2/18/2016 11:56:23 PM	A32246
Hexachlorobutadiene	ND	1.0		µg/L	1	2/18/2016 11:56:23 PM	A32246
2-Hexanone	ND	10		µg/L	1	2/18/2016 11:56:23 PM	A32246
Isopropylbenzene	ND	1.0		µg/L	1	2/18/2016 11:56:23 PM	A32246
4-Isopropyltoluene	ND	1.0		µg/L	1	2/18/2016 11:56:23 PM	A32246
4-Methyl-2-pentanone	ND	10		µg/L	1	2/18/2016 11:56:23 PM	A32246
Methylene Chloride	ND	3.0		µg/L	1	2/18/2016 11:56:23 PM	A32246
n-Butylbenzene	ND	3.0		µg/L	1	2/18/2016 11:56:23 PM	A32246
n-Propylbenzene	ND	1.0		µg/L	1	2/18/2016 11:56:23 PM	A32246
sec-Butylbenzene	ND	1.0		µg/L	1	2/18/2016 11:56:23 PM	A32246
Styrene	ND	1.0		µg/L	1	2/18/2016 11:56:23 PM	A32246
tert-Butylbenzene	ND	1.0		µg/L	1	2/18/2016 11:56:23 PM	A32246
1,1,1,2-Tetrachloroethane	ND	1.0		µg/L	1	2/18/2016 11:56:23 PM	A32246
1,1,2,2-Tetrachloroethane	ND	2.0		µg/L	1	2/18/2016 11:56:23 PM	A32246

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Qualifiers:

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

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Biotech Remediation, Inc. **Client Sample ID:** TW-16
Project: Thriftway #810 **Collection Date:** 2/17/2016 12:30:00 PM
Lab ID: 1602752-014 **Matrix:** AQUEOUS **Received Date:** 2/18/2016 7:00:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8260B: VOLATILES						Analyst: **AG**	
Tetrachloroethene (PCE)	ND	1.0		µg/L	1	2/18/2016 11:56:23 PM	A32246
trans-1,2-DCE	ND	1.0		µg/L	1	2/18/2016 11:56:23 PM	A32246
trans-1,3-Dichloropropene	ND	1.0		µg/L	1	2/18/2016 11:56:23 PM	A32246
1,2,3-Trichlorobenzene	ND	1.0		µg/L	1	2/18/2016 11:56:23 PM	A32246
1,2,4-Trichlorobenzene	ND	1.0		µg/L	1	2/18/2016 11:56:23 PM	A32246
1,1,1-Trichloroethane	ND	1.0		µg/L	1	2/18/2016 11:56:23 PM	A32246
1,1,2-Trichloroethane	ND	1.0		µg/L	1	2/18/2016 11:56:23 PM	A32246
Trichloroethene (TCE)	ND	1.0		µg/L	1	2/18/2016 11:56:23 PM	A32246
Trichlorofluoromethane	ND	1.0		µg/L	1	2/18/2016 11:56:23 PM	A32246
1,2,3-Trichloropropane	ND	2.0		µg/L	1	2/18/2016 11:56:23 PM	A32246
Vinyl chloride	ND	1.0		µg/L	1	2/18/2016 11:56:23 PM	A32246
Xylenes, Total	ND	1.5		µg/L	1	2/18/2016 11:56:23 PM	A32246
Surr: 1,2-Dichloroethane-d4	110	70-130		%Rec	1	2/18/2016 11:56:23 PM	A32246
Surr: 4-Bromofluorobenzene	103	70-130		%Rec	1	2/18/2016 11:56:23 PM	A32246
Surr: Dibromofluoromethane	123	70-130		%Rec	1	2/18/2016 11:56:23 PM	A32246
Surr: Toluene-d8	96.2	70-130		%Rec	1	2/18/2016 11:56:23 PM	A32246

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

Qualifiers:

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

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Biotech Remediation, Inc. **Client Sample ID:** TW-24
Project: Thriftway #810 **Collection Date:** 2/17/2016 1:20:00 PM
Lab ID: 1602752-015 **Matrix:** AQUEOUS **Received Date:** 2/18/2016 7:00:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analyst:	**LGT**
Fluoride	0.40	0.10		mg/L	1	2/19/2016 5:22:41 AM	A32253
Chloride	94	10		mg/L	20	3/2/2016 7:41:36 PM	R32545
Nitrogen, Nitrite (As N)	ND	0.10		mg/L	1	2/19/2016 5:22:41 AM	A32253
Bromide	0.45	0.10		mg/L	1	2/19/2016 5:22:41 AM	A32253
Nitrogen, Nitrate (As N)	ND	0.10		mg/L	1	2/19/2016 5:22:41 AM	A32253
Phosphorus, Orthophosphate (As P)	ND	10	H	mg/L	20	3/2/2016 7:41:36 PM	R32545
Sulfate	3200	50		mg/L	100	3/2/2016 7:54:00 PM	R32545
SM2510B: SPECIFIC CONDUCTANCE						Analyst:	**JRR**
Conductivity	5700	0.010		µmhos/cm	1	2/24/2016 6:36:46 PM	R32387
SM2320B: ALKALINITY						Analyst:	**JRR**
Bicarbonate (As CaCO3)	453.8	20.00		mg/L CaCO3	1	2/24/2016 6:36:46 PM	R32387
Carbonate (As CaCO3)	ND	2.000		mg/L CaCO3	1	2/24/2016 6:36:46 PM	R32387
Total Alkalinity (as CaCO3)	453.8	20.00		mg/L CaCO3	1	2/24/2016 6:36:46 PM	R32387
SM2540C MOD: TOTAL DISSOLVED SOLIDS						Analyst:	**KS**
Total Dissolved Solids	5280	100	*D	mg/L	1	2/23/2016 4:46:00 PM	23872
EPA METHOD 7470: MERCURY						Analyst:	**pmf**
Mercury	ND	0.00020		mg/L	1	2/19/2016 12:32:21 PM	23821
EPA METHOD 6010B: DISSOLVED METALS						Analyst:	**MED**
Calcium	520	20		mg/L	20	2/29/2016 1:20:44 PM	A32463
Lead	ND	0.0050		mg/L	1	2/19/2016 2:26:26 PM	R32288
Magnesium	43	1.0		mg/L	1	2/19/2016 2:26:26 PM	R32288
Potassium	2.6	1.0		mg/L	1	2/19/2016 2:26:26 PM	R32288
Sodium	1100	20		mg/L	20	2/29/2016 1:20:44 PM	A32463
EPA 6010B: TOTAL RECOVERABLE METALS						Analyst:	**ELS**
Arsenic	0.12	0.020		mg/L	1	2/19/2016 1:06:16 PM	23820
Barium	0.069	0.020		mg/L	1	2/19/2016 1:06:16 PM	23820
Cadmium	ND	0.0020		mg/L	1	2/19/2016 1:06:16 PM	23820
Chromium	ND	0.0060		mg/L	1	2/19/2016 1:06:16 PM	23820
Lead	0.0061	0.0050		mg/L	1	2/19/2016 1:06:16 PM	23820
Selenium	ND	0.050		mg/L	1	2/19/2016 1:06:16 PM	23820
Silver	ND	0.0050		mg/L	1	2/19/2016 1:06:16 PM	23820
EPA METHOD 8015M/D: DIESEL RANGE						Analyst:	**KJH**
Diesel Range Organics (DRO)	8.0	1.0		mg/L	1	2/19/2016 10:17:57 PM	23831
Motor Oil Range Organics (MRO)	ND	5.0		mg/L	1	2/19/2016 10:17:57 PM	23831
Surr: DNOP	116	70-141		%Rec	1	2/19/2016 10:17:57 PM	23831

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

Qualifiers:

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

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Biotech Remediation, Inc. **Client Sample ID:** TW-24
Project: Thriftway #810 **Collection Date:** 2/17/2016 1:20:00 PM
Lab ID: 1602752-015 **Matrix:** AQUEOUS **Received Date:** 2/18/2016 7:00:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **NSB**	
Gasoline Range Organics (GRO)	ND	0.050		mg/L	1	2/19/2016 9:57:02 PM	B32265
Surr: BFB	91.8	49.5-130		%Rec	1	2/19/2016 9:57:02 PM	B32265
EPA METHOD 8270C: PAHS						Analyst: **DAM**	
Naphthalene	ND	0.50		µg/L	1	2/22/2016 3:31:27 PM	23851
1-Methylnaphthalene	ND	0.50		µg/L	1	2/22/2016 3:31:27 PM	23851
2-Methylnaphthalene	ND	0.50		µg/L	1	2/22/2016 3:31:27 PM	23851
Acenaphthylene	ND	0.50		µg/L	1	2/22/2016 3:31:27 PM	23851
Acenaphthene	ND	0.50		µg/L	1	2/22/2016 3:31:27 PM	23851
Fluorene	ND	0.50		µg/L	1	2/22/2016 3:31:27 PM	23851
Phenanthrene	ND	0.50		µg/L	1	2/22/2016 3:31:27 PM	23851
Anthracene	ND	0.50		µg/L	1	2/22/2016 3:31:27 PM	23851
Fluoranthene	ND	0.50		µg/L	1	2/22/2016 3:31:27 PM	23851
Pyrene	ND	0.50		µg/L	1	2/22/2016 3:31:27 PM	23851
Benz(a)anthracene	ND	0.50		µg/L	1	2/22/2016 3:31:27 PM	23851
Chrysene	ND	0.50		µg/L	1	2/22/2016 3:31:27 PM	23851
Benzo(b)fluoranthene	ND	0.50		µg/L	1	2/22/2016 3:31:27 PM	23851
Benzo(k)fluoranthene	ND	0.50		µg/L	1	2/22/2016 3:31:27 PM	23851
Benzo(a)pyrene	ND	0.50		µg/L	1	2/22/2016 3:31:27 PM	23851
Dibenz(a,h)anthracene	ND	0.50		µg/L	1	2/22/2016 3:31:27 PM	23851
Benzo(g,h,i)perylene	ND	0.50		µg/L	1	2/22/2016 3:31:27 PM	23851
Indeno(1,2,3-cd)pyrene	ND	0.50		µg/L	1	2/22/2016 3:31:27 PM	23851
Surr: N-hexadecane	36.3	20.2-162		%Rec	1	2/22/2016 3:31:27 PM	23851
Surr: Benzo(e)pyrene	36.2	21.1-159		%Rec	1	2/22/2016 3:31:27 PM	23851
EPA METHOD 8260B: VOLATILES						Analyst: **AG**	
Benzene	ND	1.0		µg/L	1	2/19/2016 12:25:00 AM	A32246
Toluene	ND	1.0		µg/L	1	2/19/2016 12:25:00 AM	A32246
Ethylbenzene	ND	1.0		µg/L	1	2/19/2016 12:25:00 AM	A32246
Methyl tert-butyl ether (MTBE)	1.1	1.0		µg/L	1	2/19/2016 12:25:00 AM	A32246
1,2,4-Trimethylbenzene	ND	1.0		µg/L	1	2/19/2016 12:25:00 AM	A32246
1,3,5-Trimethylbenzene	ND	1.0		µg/L	1	2/19/2016 12:25:00 AM	A32246
1,2-Dichloroethane (EDC)	ND	1.0		µg/L	1	2/19/2016 12:25:00 AM	A32246
1,2-Dibromoethane (EDB)	ND	1.0		µg/L	1	2/19/2016 12:25:00 AM	A32246
Naphthalene	ND	2.0		µg/L	1	2/19/2016 12:25:00 AM	A32246
1-Methylnaphthalene	ND	4.0		µg/L	1	2/19/2016 12:25:00 AM	A32246
2-Methylnaphthalene	ND	4.0		µg/L	1	2/19/2016 12:25:00 AM	A32246
Acetone	ND	10		µg/L	1	2/19/2016 12:25:00 AM	A32246
Bromobenzene	ND	1.0		µg/L	1	2/19/2016 12:25:00 AM	A32246
Bromodichloromethane	ND	1.0		µg/L	1	2/19/2016 12:25:00 AM	A32246

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Qualifiers:

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

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Biotech Remediation, Inc. **Client Sample ID:** TW-24
Project: Thriftway #810 **Collection Date:** 2/17/2016 1:20:00 PM
Lab ID: 1602752-015 **Matrix:** AQUEOUS **Received Date:** 2/18/2016 7:00:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8260B: VOLATILES						Analyst: **AG**	
Bromoform	ND	1.0		µg/L	1	2/19/2016 12:25:00 AM	A32246
Bromomethane	ND	3.0		µg/L	1	2/19/2016 12:25:00 AM	A32246
2-Butanone	ND	10		µg/L	1	2/19/2016 12:25:00 AM	A32246
Carbon disulfide	ND	10		µg/L	1	2/19/2016 12:25:00 AM	A32246
Carbon Tetrachloride	ND	1.0		µg/L	1	2/19/2016 12:25:00 AM	A32246
Chlorobenzene	ND	1.0		µg/L	1	2/19/2016 12:25:00 AM	A32246
Chloroethane	ND	2.0		µg/L	1	2/19/2016 12:25:00 AM	A32246
Chloroform	ND	1.0		µg/L	1	2/19/2016 12:25:00 AM	A32246
Chloromethane	ND	3.0		µg/L	1	2/19/2016 12:25:00 AM	A32246
2-Chlorotoluene	ND	1.0		µg/L	1	2/19/2016 12:25:00 AM	A32246
4-Chlorotoluene	ND	1.0		µg/L	1	2/19/2016 12:25:00 AM	A32246
cis-1,2-DCE	ND	1.0		µg/L	1	2/19/2016 12:25:00 AM	A32246
cis-1,3-Dichloropropene	ND	1.0		µg/L	1	2/19/2016 12:25:00 AM	A32246
1,2-Dibromo-3-chloropropane	ND	2.0		µg/L	1	2/19/2016 12:25:00 AM	A32246
Dibromochloromethane	ND	1.0		µg/L	1	2/19/2016 12:25:00 AM	A32246
Dibromomethane	ND	1.0		µg/L	1	2/19/2016 12:25:00 AM	A32246
1,2-Dichlorobenzene	ND	1.0		µg/L	1	2/19/2016 12:25:00 AM	A32246
1,3-Dichlorobenzene	ND	1.0		µg/L	1	2/19/2016 12:25:00 AM	A32246
1,4-Dichlorobenzene	ND	1.0		µg/L	1	2/19/2016 12:25:00 AM	A32246
Dichlorodifluoromethane	ND	1.0		µg/L	1	2/19/2016 12:25:00 AM	A32246
1,1-Dichloroethane	ND	1.0		µg/L	1	2/19/2016 12:25:00 AM	A32246
1,1-Dichloroethene	ND	1.0		µg/L	1	2/19/2016 12:25:00 AM	A32246
1,2-Dichloropropane	ND	1.0		µg/L	1	2/19/2016 12:25:00 AM	A32246
1,3-Dichloropropane	ND	1.0		µg/L	1	2/19/2016 12:25:00 AM	A32246
2,2-Dichloropropane	ND	2.0		µg/L	1	2/19/2016 12:25:00 AM	A32246
1,1-Dichloropropene	ND	1.0		µg/L	1	2/19/2016 12:25:00 AM	A32246
Hexachlorobutadiene	ND	1.0		µg/L	1	2/19/2016 12:25:00 AM	A32246
2-Hexanone	ND	10		µg/L	1	2/19/2016 12:25:00 AM	A32246
Isopropylbenzene	ND	1.0		µg/L	1	2/19/2016 12:25:00 AM	A32246
4-Isopropyltoluene	ND	1.0		µg/L	1	2/19/2016 12:25:00 AM	A32246
4-Methyl-2-pentanone	ND	10		µg/L	1	2/19/2016 12:25:00 AM	A32246
Methylene Chloride	ND	3.0		µg/L	1	2/19/2016 12:25:00 AM	A32246
n-Butylbenzene	ND	3.0		µg/L	1	2/19/2016 12:25:00 AM	A32246
n-Propylbenzene	ND	1.0		µg/L	1	2/19/2016 12:25:00 AM	A32246
sec-Butylbenzene	ND	1.0		µg/L	1	2/19/2016 12:25:00 AM	A32246
Styrene	ND	1.0		µg/L	1	2/19/2016 12:25:00 AM	A32246
tert-Butylbenzene	ND	1.0		µg/L	1	2/19/2016 12:25:00 AM	A32246
1,1,1,2-Tetrachloroethane	ND	1.0		µg/L	1	2/19/2016 12:25:00 AM	A32246
1,1,2,2-Tetrachloroethane	ND	2.0		µg/L	1	2/19/2016 12:25:00 AM	A32246

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Qualifiers:

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R	RPD outside accepted recovery limits	RL	Reporting Detection Limit
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Hall Environmental Analysis Laboratory, Inc.

CLIENT: Biotech Remediation, Inc. **Client Sample ID:** TW-24
Project: Thriftway #810 **Collection Date:** 2/17/2016 1:20:00 PM
Lab ID: 1602752-015 **Matrix:** AQUEOUS **Received Date:** 2/18/2016 7:00:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8260B: VOLATILES						Analyst: **AG**	
Tetrachloroethene (PCE)	ND	1.0		µg/L	1	2/19/2016 12:25:00 AM	A32246
trans-1,2-DCE	ND	1.0		µg/L	1	2/19/2016 12:25:00 AM	A32246
trans-1,3-Dichloropropene	ND	1.0		µg/L	1	2/19/2016 12:25:00 AM	A32246
1,2,3-Trichlorobenzene	ND	1.0		µg/L	1	2/19/2016 12:25:00 AM	A32246
1,2,4-Trichlorobenzene	ND	1.0		µg/L	1	2/19/2016 12:25:00 AM	A32246
1,1,1-Trichloroethane	ND	1.0		µg/L	1	2/19/2016 12:25:00 AM	A32246
1,1,2-Trichloroethane	ND	1.0		µg/L	1	2/19/2016 12:25:00 AM	A32246
Trichloroethene (TCE)	ND	1.0		µg/L	1	2/19/2016 12:25:00 AM	A32246
Trichlorofluoromethane	ND	1.0		µg/L	1	2/19/2016 12:25:00 AM	A32246
1,2,3-Trichloropropane	ND	2.0		µg/L	1	2/19/2016 12:25:00 AM	A32246
Vinyl chloride	ND	1.0		µg/L	1	2/19/2016 12:25:00 AM	A32246
Xylenes, Total	ND	1.5		µg/L	1	2/19/2016 12:25:00 AM	A32246
Surr: 1,2-Dichloroethane-d4	106	70-130		%Rec	1	2/19/2016 12:25:00 AM	A32246
Surr: 4-Bromofluorobenzene	98.9	70-130		%Rec	1	2/19/2016 12:25:00 AM	A32246
Surr: Dibromofluoromethane	117	70-130		%Rec	1	2/19/2016 12:25:00 AM	A32246
Surr: Toluene-d8	94.5	70-130		%Rec	1	2/19/2016 12:25:00 AM	A32246

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Hall Environmental Analysis Laboratory, Inc.

CLIENT: Biotech Remediation, Inc. **Client Sample ID:** TW-22
Project: Thriftway #810 **Collection Date:** 2/17/2016 2:00:00 PM
Lab ID: 1602752-016 **Matrix:** AQUEOUS **Received Date:** 2/18/2016 7:00:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analyst: **LGT**	
Fluoride	0.42	0.10		mg/L	1	2/19/2016 5:47:30 AM	A32253
Chloride	50	10		mg/L	20	3/2/2016 8:31:14 PM	R32545
Nitrogen, Nitrite (As N)	ND	0.10		mg/L	1	2/19/2016 5:47:30 AM	A32253
Bromide	0.28	0.10		mg/L	1	2/19/2016 5:47:30 AM	A32253
Nitrogen, Nitrate (As N)	ND	0.10		mg/L	1	2/19/2016 5:47:30 AM	A32253
Phosphorus, Orthophosphate (As P)	ND	10	H	mg/L	20	3/2/2016 8:31:14 PM	R32545
Sulfate	2000	50		mg/L	100	3/2/2016 8:43:39 PM	R32545
SM2510B: SPECIFIC CONDUCTANCE						Analyst: **JRR**	
Conductivity	4000	0.010		µmhos/cm	1	2/24/2016 6:56:35 PM	R32387
SM2320B: ALKALINITY						Analyst: **JRR**	
Bicarbonate (As CaCO3)	553.0	20.00		mg/L CaCO3	1	2/24/2016 6:56:35 PM	R32387
Carbonate (As CaCO3)	ND	2.000		mg/L CaCO3	1	2/24/2016 6:56:35 PM	R32387
Total Alkalinity (as CaCO3)	553.0	20.00		mg/L CaCO3	1	2/24/2016 6:56:35 PM	R32387
SM2540C MOD: TOTAL DISSOLVED SOLIDS						Analyst: **KS**	
Total Dissolved Solids	3620	100	*D	mg/L	1	2/23/2016 4:46:00 PM	23872
EPA METHOD 7470: MERCURY						Analyst: **pmf**	
Mercury	ND	0.00020		mg/L	1	2/19/2016 12:34:22 PM	23821
EPA METHOD 6010B: DISSOLVED METALS						Analyst: **ELS**	
Calcium	500	5.0		mg/L	5	2/19/2016 2:36:55 PM	R32288
Lead	ND	0.0050		mg/L	1	2/19/2016 2:35:02 PM	R32288
Magnesium	48	1.0		mg/L	1	2/19/2016 2:35:02 PM	R32288
Potassium	4.2	1.0		mg/L	1	2/19/2016 2:35:02 PM	R32288
Sodium	610	10		mg/L	10	2/29/2016 1:22:45 PM	A32463
EPA 6010B: TOTAL RECOVERABLE METALS						Analyst: **ELS**	
Arsenic	ND	0.020		mg/L	1	2/19/2016 1:08:01 PM	23820
Barium	0.10	0.020		mg/L	1	2/19/2016 1:08:01 PM	23820
Cadmium	ND	0.0020		mg/L	1	2/19/2016 1:08:01 PM	23820
Chromium	ND	0.0060		mg/L	1	2/19/2016 1:08:01 PM	23820
Lead	ND	0.0050		mg/L	1	2/19/2016 1:08:01 PM	23820
Selenium	ND	0.050		mg/L	1	2/19/2016 1:08:01 PM	23820
Silver	ND	0.0050		mg/L	1	2/19/2016 1:08:01 PM	23820
EPA METHOD 8015M/D: DIESEL RANGE						Analyst: **KJH**	
Diesel Range Organics (DRO)	8.7	1.0		mg/L	1	2/19/2016 10:39:32 PM	23831
Motor Oil Range Organics (MRO)	ND	5.0		mg/L	1	2/19/2016 10:39:32 PM	23831
Surr: DNOP	110	70-141		%Rec	1	2/19/2016 10:39:32 PM	23831

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

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Biotech Remediation, Inc. **Client Sample ID:** TW-22
Project: Thriftway #810 **Collection Date:** 2/17/2016 2:00:00 PM
Lab ID: 1602752-016 **Matrix:** AQUEOUS **Received Date:** 2/18/2016 7:00:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **NSB**	
Gasoline Range Organics (GRO)	1.3	0.050		mg/L	1	2/19/2016 10:46:09 PM	B32265
Surr: BFB	160	49.5-130	S	%Rec	1	2/19/2016 10:46:09 PM	B32265
EPA METHOD 8270C: PAHS						Analyst: **DAM**	
Naphthalene	13	0.50		µg/L	1	2/22/2016 5:56:49 PM	23851
1-Methylnaphthalene	36	0.50		µg/L	1	2/22/2016 5:56:49 PM	23851
2-Methylnaphthalene	27	0.50		µg/L	1	2/22/2016 5:56:49 PM	23851
Acenaphthylene	ND	0.50		µg/L	1	2/22/2016 5:56:49 PM	23851
Acenaphthene	1.5	0.50		µg/L	1	2/22/2016 5:56:49 PM	23851
Fluorene	6.1	0.50		µg/L	1	2/22/2016 5:56:49 PM	23851
Phenanthrene	5.2	0.50		µg/L	1	2/22/2016 5:56:49 PM	23851
Anthracene	ND	0.50		µg/L	1	2/22/2016 5:56:49 PM	23851
Fluoranthene	ND	0.50		µg/L	1	2/22/2016 5:56:49 PM	23851
Pyrene	ND	0.50		µg/L	1	2/22/2016 5:56:49 PM	23851
Benz(a)anthracene	ND	0.50		µg/L	1	2/22/2016 5:56:49 PM	23851
Chrysene	ND	0.50		µg/L	1	2/22/2016 5:56:49 PM	23851
Benzo(b)fluoranthene	ND	0.50		µg/L	1	2/22/2016 5:56:49 PM	23851
Benzo(k)fluoranthene	ND	0.50		µg/L	1	2/22/2016 5:56:49 PM	23851
Benzo(a)pyrene	ND	0.50		µg/L	1	2/22/2016 5:56:49 PM	23851
Dibenz(a,h)anthracene	ND	0.50		µg/L	1	2/22/2016 5:56:49 PM	23851
Benzo(g,h,i)perylene	ND	0.50		µg/L	1	2/22/2016 5:56:49 PM	23851
Indeno(1,2,3-cd)pyrene	ND	0.50		µg/L	1	2/22/2016 5:56:49 PM	23851
Surr: N-hexadecane	27.7	20.2-162		%Rec	1	2/22/2016 5:56:49 PM	23851
Surr: Benzo(e)pyrene	22.1	21.1-159		%Rec	1	2/22/2016 5:56:49 PM	23851
EPA METHOD 8260B: VOLATILES						Analyst: **AG**	
Benzene	ND	10		µg/L	10	2/19/2016 1:22:13 AM	A32246
Toluene	ND	10		µg/L	10	2/19/2016 1:22:13 AM	A32246
Ethylbenzene	ND	10		µg/L	10	2/19/2016 1:22:13 AM	A32246
Methyl tert-butyl ether (MTBE)	ND	10		µg/L	10	2/19/2016 1:22:13 AM	A32246
1,2,4-Trimethylbenzene	150	10		µg/L	10	2/19/2016 1:22:13 AM	A32246
1,3,5-Trimethylbenzene	56	10		µg/L	10	2/19/2016 1:22:13 AM	A32246
1,2-Dichloroethane (EDC)	ND	10		µg/L	10	2/19/2016 1:22:13 AM	A32246
1,2-Dibromoethane (EDB)	ND	10		µg/L	10	2/19/2016 1:22:13 AM	A32246
Naphthalene	ND	20		µg/L	10	2/19/2016 1:22:13 AM	A32246
1-Methylnaphthalene	ND	40		µg/L	10	2/19/2016 1:22:13 AM	A32246
2-Methylnaphthalene	ND	40		µg/L	10	2/19/2016 1:22:13 AM	A32246
Acetone	ND	100		µg/L	10	2/19/2016 1:22:13 AM	A32246
Bromobenzene	ND	10		µg/L	10	2/19/2016 1:22:13 AM	A32246
Bromodichloromethane	ND	10		µg/L	10	2/19/2016 1:22:13 AM	A32246

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

Qualifiers:

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Hall Environmental Analysis Laboratory, Inc.

CLIENT: Biotech Remediation, Inc. **Client Sample ID:** TW-22
Project: Thriftway #810 **Collection Date:** 2/17/2016 2:00:00 PM
Lab ID: 1602752-016 **Matrix:** AQUEOUS **Received Date:** 2/18/2016 7:00:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8260B: VOLATILES						Analyst: **AG**	
Bromoform	ND	10		µg/L	10	2/19/2016 1:22:13 AM	A32246
Bromomethane	ND	30		µg/L	10	2/19/2016 1:22:13 AM	A32246
2-Butanone	ND	100		µg/L	10	2/19/2016 1:22:13 AM	A32246
Carbon disulfide	ND	100		µg/L	10	2/19/2016 1:22:13 AM	A32246
Carbon Tetrachloride	ND	10		µg/L	10	2/19/2016 1:22:13 AM	A32246
Chlorobenzene	ND	10		µg/L	10	2/19/2016 1:22:13 AM	A32246
Chloroethane	ND	20		µg/L	10	2/19/2016 1:22:13 AM	A32246
Chloroform	ND	10		µg/L	10	2/19/2016 1:22:13 AM	A32246
Chloromethane	ND	30		µg/L	10	2/19/2016 1:22:13 AM	A32246
2-Chlorotoluene	ND	10		µg/L	10	2/19/2016 1:22:13 AM	A32246
4-Chlorotoluene	ND	10		µg/L	10	2/19/2016 1:22:13 AM	A32246
cis-1,2-DCE	ND	10		µg/L	10	2/19/2016 1:22:13 AM	A32246
cis-1,3-Dichloropropene	ND	10		µg/L	10	2/19/2016 1:22:13 AM	A32246
1,2-Dibromo-3-chloropropane	ND	20		µg/L	10	2/19/2016 1:22:13 AM	A32246
Dibromochloromethane	ND	10		µg/L	10	2/19/2016 1:22:13 AM	A32246
Dibromomethane	ND	10		µg/L	10	2/19/2016 1:22:13 AM	A32246
1,2-Dichlorobenzene	ND	10		µg/L	10	2/19/2016 1:22:13 AM	A32246
1,3-Dichlorobenzene	ND	10		µg/L	10	2/19/2016 1:22:13 AM	A32246
1,4-Dichlorobenzene	ND	10		µg/L	10	2/19/2016 1:22:13 AM	A32246
Dichlorodifluoromethane	ND	10		µg/L	10	2/19/2016 1:22:13 AM	A32246
1,1-Dichloroethane	ND	10		µg/L	10	2/19/2016 1:22:13 AM	A32246
1,1-Dichloroethene	ND	10		µg/L	10	2/19/2016 1:22:13 AM	A32246
1,2-Dichloropropane	ND	10		µg/L	10	2/19/2016 1:22:13 AM	A32246
1,3-Dichloropropane	ND	10		µg/L	10	2/19/2016 1:22:13 AM	A32246
2,2-Dichloropropane	ND	20		µg/L	10	2/19/2016 1:22:13 AM	A32246
1,1-Dichloropropene	ND	10		µg/L	10	2/19/2016 1:22:13 AM	A32246
Hexachlorobutadiene	ND	10		µg/L	10	2/19/2016 1:22:13 AM	A32246
2-Hexanone	ND	100		µg/L	10	2/19/2016 1:22:13 AM	A32246
Isopropylbenzene	ND	10		µg/L	10	2/19/2016 1:22:13 AM	A32246
4-Isopropyltoluene	ND	10		µg/L	10	2/19/2016 1:22:13 AM	A32246
4-Methyl-2-pentanone	ND	100		µg/L	10	2/19/2016 1:22:13 AM	A32246
Methylene Chloride	ND	30		µg/L	10	2/19/2016 1:22:13 AM	A32246
n-Butylbenzene	ND	30		µg/L	10	2/19/2016 1:22:13 AM	A32246
n-Propylbenzene	ND	10		µg/L	10	2/19/2016 1:22:13 AM	A32246
sec-Butylbenzene	ND	10		µg/L	10	2/19/2016 1:22:13 AM	A32246
Styrene	ND	10		µg/L	10	2/19/2016 1:22:13 AM	A32246
tert-Butylbenzene	ND	10		µg/L	10	2/19/2016 1:22:13 AM	A32246
1,1,1,2-Tetrachloroethane	ND	10		µg/L	10	2/19/2016 1:22:13 AM	A32246
1,1,2,2-Tetrachloroethane	ND	20		µg/L	10	2/19/2016 1:22:13 AM	A32246

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

Qualifiers:

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

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Biotech Remediation, Inc. **Client Sample ID:** TW-22
Project: Thriftway #810 **Collection Date:** 2/17/2016 2:00:00 PM
Lab ID: 1602752-016 **Matrix:** AQUEOUS **Received Date:** 2/18/2016 7:00:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8260B: VOLATILES						Analyst: **AG**	
Tetrachloroethene (PCE)	ND	10		µg/L	10	2/19/2016 1:22:13 AM	A32246
trans-1,2-DCE	ND	10		µg/L	10	2/19/2016 1:22:13 AM	A32246
trans-1,3-Dichloropropene	ND	10		µg/L	10	2/19/2016 1:22:13 AM	A32246
1,2,3-Trichlorobenzene	ND	10		µg/L	10	2/19/2016 1:22:13 AM	A32246
1,2,4-Trichlorobenzene	ND	10		µg/L	10	2/19/2016 1:22:13 AM	A32246
1,1,1-Trichloroethane	ND	10		µg/L	10	2/19/2016 1:22:13 AM	A32246
1,1,2-Trichloroethane	ND	10		µg/L	10	2/19/2016 1:22:13 AM	A32246
Trichloroethene (TCE)	ND	10		µg/L	10	2/19/2016 1:22:13 AM	A32246
Trichlorofluoromethane	ND	10		µg/L	10	2/19/2016 1:22:13 AM	A32246
1,2,3-Trichloropropane	ND	20		µg/L	10	2/19/2016 1:22:13 AM	A32246
Vinyl chloride	ND	10		µg/L	10	2/19/2016 1:22:13 AM	A32246
Xylenes, Total	68	15		µg/L	10	2/19/2016 1:22:13 AM	A32246
Surr: 1,2-Dichloroethane-d4	103	70-130		%Rec	10	2/19/2016 1:22:13 AM	A32246
Surr: 4-Bromofluorobenzene	91.5	70-130		%Rec	10	2/19/2016 1:22:13 AM	A32246
Surr: Dibromofluoromethane	115	70-130		%Rec	10	2/19/2016 1:22:13 AM	A32246
Surr: Toluene-d8	98.1	70-130		%Rec	10	2/19/2016 1:22:13 AM	A32246

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

Qualifiers:

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

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: **1602752**

07-Mar-16

Client: Biotech Remediation, Inc.

Project: Thriftway #810

Sample ID **MB**	SampType: **MBLK**	TestCode: **EPA Method 300.0: Anions**
Client ID: **PBW**	Batch ID: **A32253**	RunNo: **32253**
Prep Date:	Analysis Date: **2/19/2016**	SeqNo: **986156** Units: **mg/L**

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

Sample ID **LCS**	SampType: **LCS**	TestCode: **EPA Method 300.0: Anions**
Client ID: **LCSW**	Batch ID: **A32253**	RunNo: **32253**
Prep Date:	Analysis Date: **2/19/2016**	SeqNo: **986157** Units: **mg/L**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Fluoride	0.50	0.10	0.5000	0	99.9	90	110			
Nitrogen, Nitrite (As N)	0.95	0.10	1.000	0	95.4	90	110			
Bromide	2.4	0.10	2.500	0	96.0	90	110			
Nitrogen, Nitrate (As N)	2.5	0.10	2.500	0	98.2	90	110			

Sample ID **1602752-009DMS**	SampType: **MS**	TestCode: **EPA Method 300.0: Anions**
Client ID: **TW-11**	Batch ID: **A32253**	RunNo: **32253**
Prep Date:	Analysis Date: **2/19/2016**	SeqNo: **986165** Units: **mg/L**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Fluoride	1.1	0.10	0.5000	0.7280	82.6	71.4	120			
Nitrogen, Nitrite (As N)	0.71	0.10	1.000	0	71.4	63.1	112			
Bromide	2.7	0.10	2.500	0.6610	80.7	74.9	117			
Nitrogen, Nitrate (As N)	2.4	0.10	2.500	0.1560	91.1	87.3	111			

Sample ID **1602752-009DMSD**	SampType: **MSD**	TestCode: **EPA Method 300.0: Anions**
Client ID: **TW-11**	Batch ID: **A32253**	RunNo: **32253**
Prep Date:	Analysis Date: **2/19/2016**	SeqNo: **986166** Units: **mg/L**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Fluoride	1.2	0.10	0.5000	0.7280	96.6	71.4	120	5.95	20	
Nitrogen, Nitrite (As N)	0.72	0.10	1.000	0	71.9	63.1	112	0.698	20	
Bromide	2.7	0.10	2.500	0.6610	80.1	74.9	117	0.599	20	
Nitrogen, Nitrate (As N)	2.4	0.10	2.500	0.1560	90.0	87.3	111	1.07	20	

Sample ID **MB**	SampType: **MBLK**	TestCode: **EPA Method 300.0: Anions**
Client ID: **PBW**	Batch ID: **R32324**	RunNo: **32324**
Prep Date:	Analysis Date: **2/22/2016**	SeqNo: **988071** 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
R	RPD outside accepted recovery limits	RL	Reporting Detection Limit
S	% Recovery outside of range due to dilution or matrix	W	Sample container temperature is out of limit as specified

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: **1602752**

07-Mar-16

Client: Biotech Remediation, Inc.

Project: Thriftway #810

Sample ID	**MB**	SampType:	**MBLK**	TestCode:	**EPA Method 300.0: Anions**					
Client ID:	**PBW**	Batch ID:	**R32324**	RunNo:	**32324**					
Prep Date:		Analysis Date:	**2/22/2016**	SeqNo:	**988071**	Units:	**mg/L**			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Bromide	ND	0.10								

Sample ID	**LCS**	SampType:	**LCS**	TestCode:	**EPA Method 300.0: Anions**					
Client ID:	**LCSW**	Batch ID:	**R32324**	RunNo:	**32324**					
Prep Date:		Analysis Date:	**2/22/2016**	SeqNo:	**988072**	Units:	**mg/L**			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Bromide	2.5	0.10	2.500	0	100	90	110			

Sample ID	**1602752-002DMS**	SampType:	**MS**	TestCode:	**EPA Method 300.0: Anions**					
Client ID:	**TW-2**	Batch ID:	**R32324**	RunNo:	**32324**					
Prep Date:		Analysis Date:	**2/23/2016**	SeqNo:	**988112**	Units:	**mg/L**			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Bromide	2.0	0.10	2.500	0	79.6	74.9	117			

Sample ID	**1602752-002DMSD**	SampType:	**MSD**	TestCode:	**EPA Method 300.0: Anions**					
Client ID:	**TW-2**	Batch ID:	**R32324**	RunNo:	**32324**					
Prep Date:		Analysis Date:	**2/23/2016**	SeqNo:	**988113**	Units:	**mg/L**			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Bromide	2.0	0.10	2.500	0	78.2	74.9	117	1.78	20	

Sample ID	**MB**	SampType:	**MBLK**	TestCode:	**EPA Method 300.0: Anions**					
Client ID:	**PBW**	Batch ID:	**A32324**	RunNo:	**32324**					
Prep Date:		Analysis Date:	**2/23/2016**	SeqNo:	**988115**	Units:	**mg/L**			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Bromide	ND	0.10								

Sample ID	**LCS**	SampType:	**LCS**	TestCode:	**EPA Method 300.0: Anions**					
Client ID:	**LCSW**	Batch ID:	**A32324**	RunNo:	**32324**					
Prep Date:		Analysis Date:	**2/23/2016**	SeqNo:	**988116**	Units:	**mg/L**			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Bromide	2.3	0.10	2.500	0	92.4	90	110			

Qualifiers:

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S	% Recovery outside of range due to dilution or matrix	W	Sample container temperature is out of limit as specified

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: **1602752**

07-Mar-16

Client: Biotech Remediation, Inc.

Project: Thriftway #810

Sample ID **MB**	SampType: **MBLK**	TestCode: **EPA Method 300.0: Anions**
Client ID: **PBW**	Batch ID: **R32385**	RunNo: **32385**
Prep Date:	Analysis Date: **2/24/2016**	SeqNo: **990186** Units: **mg/L**

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

Sample ID **LCS**	SampType: **LCS**	TestCode: **EPA Method 300.0: Anions**
Client ID: **LCSW**	Batch ID: **R32385**	RunNo: **32385**
Prep Date:	Analysis Date: **2/24/2016**	SeqNo: **990187** Units: **mg/L**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Nitrate+Nitrite as N	3.5	0.20	3.500	0	100	90	110			

Sample ID **MB**	SampType: **MBLK**	TestCode: **EPA Method 300.0: Anions**
Client ID: **PBW**	Batch ID: **R32517**	RunNo: **32517**
Prep Date:	Analysis Date: **3/2/2016**	SeqNo: **994839** Units: **mg/L**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Fluoride	ND	0.10								
Chloride	ND	0.50								
Phosphorus, Orthophosphate (As P	ND	0.50								

Sample ID **LCS**	SampType: **LCS**	TestCode: **EPA Method 300.0: Anions**
Client ID: **LCSW**	Batch ID: **R32517**	RunNo: **32517**
Prep Date:	Analysis Date: **3/2/2016**	SeqNo: **994842** Units: **mg/L**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Fluoride	0.51	0.10	0.5000	0	103	90	110			
Chloride	4.9	0.50	5.000	0	98.5	90	110			
Phosphorus, Orthophosphate (As P	5.0	0.50	5.000	0	99.0	90	110			

Sample ID **MB**	SampType: **MBLK**	TestCode: **EPA Method 300.0: Anions**
Client ID: **PBW**	Batch ID: **R32545**	RunNo: **32545**
Prep Date:	Analysis Date: **3/2/2016**	SeqNo: **995774** Units: **mg/L**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	ND	0.50								
Phosphorus, Orthophosphate (As P	ND	0.50								
Sulfate	ND	0.50								

Qualifiers:

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

QC SUMMARY REPORT
Hall Environmental Analysis Laboratory, Inc.

WO#: **1602752**
07-Mar-16

Client: Biotech Remediation, Inc.
Project: Thriftway #810

Sample ID **LCS**	SampType: **LCS**	TestCode: **EPA Method 300.0: Anions**
Client ID: **LCSW**	Batch ID: **R32545**	RunNo: **32545**
Prep Date:	Analysis Date: **3/2/2016**	SeqNo: **995775** Units: **mg/L**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	5.0	0.50	5.000	0	99.0	90	110			
Phosphorus, Orthophosphate (As P	5.0	0.50	5.000	0	99.9	90	110			
Sulfate	10	0.50	10.00	0	99.8	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
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ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
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QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: **1602752**

07-Mar-16

Client: Biotech Remediation, Inc.

Project: Thriftway #810

Sample ID **1602752-001BMS**	SampType: **MS**	TestCode: **EPA Method 8015M/D: Diesel Range**
Client ID: **TW-1**	Batch ID: **23831**	RunNo: **32249**
Prep Date: **2/19/2016**	Analysis Date: **2/19/2016**	SeqNo: **987087** Units: **mg/L**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	5.7	1.0	5.000	0	114	59.4	160			
Surr: DNOP	0.55		0.5000		109	70	141			

Sample ID **1602752-001BMSD**	SampType: **MSD**	TestCode: **EPA Method 8015M/D: Diesel Range**
Client ID: **TW-1**	Batch ID: **23831**	RunNo: **32249**
Prep Date: **2/19/2016**	Analysis Date: **2/19/2016**	SeqNo: **987088** Units: **mg/L**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	5.9	1.0	5.000	0	119	59.4	160	3.84	20	
Surr: DNOP	0.56		0.5000		113	70	141	0	0	

Sample ID **LCS-23831**	SampType: **LCS**	TestCode: **EPA Method 8015M/D: Diesel Range**
Client ID: **LCSW**	Batch ID: **23831**	RunNo: **32249**
Prep Date: **2/19/2016**	Analysis Date: **2/19/2016**	SeqNo: **987104** Units: **mg/L**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	5.3	1.0	5.000	0	105	71.3	139			
Surr: DNOP	0.50		0.5000		101	70	141			

Sample ID **MB-23831**	SampType: **MBLK**	TestCode: **EPA Method 8015M/D: Diesel Range**
Client ID: **PBW**	Batch ID: **23831**	RunNo: **32249**
Prep Date: **2/19/2016**	Analysis Date: **2/19/2016**	SeqNo: **987105** Units: **mg/L**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	ND	1.0								
Motor Oil Range Organics (MRO)	ND	5.0								
Surr: DNOP	1.1		1.000		109	70	141			

Qualifiers:

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QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: **1602752**

07-Mar-16

Client: Biotech Remediation, Inc.

Project: Thriftway #810

Sample ID **5ML RB**	SampType: **MBLK**	TestCode: **EPA Method 8015D: Gasoline Range**
Client ID: **PBW**	Batch ID: **B32265**	RunNo: **32265**
Prep Date:	Analysis Date: **2/19/2016**	SeqNo: **986835** Units: **mg/L**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	ND	0.050								
Surr: BFB	17		20.00		86.6	49.5	130			

Sample ID **2.5UG GRO LCS**	SampType: **LCS**	TestCode: **EPA Method 8015D: Gasoline Range**
Client ID: **LCSW**	Batch ID: **B32265**	RunNo: **32265**
Prep Date:	Analysis Date: **2/19/2016**	SeqNo: **986836** Units: **mg/L**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	0.43	0.050	0.5000	0	86.2	80	120			
Surr: BFB	20		20.00		99.2	49.5	130			

Sample ID **1602752-001AMS**	SampType: **MS**	TestCode: **EPA Method 8015D: Gasoline Range**
Client ID: **TW-1**	Batch ID: **B32265**	RunNo: **32265**
Prep Date:	Analysis Date: **2/19/2016**	SeqNo: **986838** Units: **mg/L**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	0.89	0.10	1.000	0	89.3	70	130			
Surr: BFB	41		40.00		101	49.5	130			

Sample ID **1602752-001AMSD**	SampType: **MSD**	TestCode: **EPA Method 8015D: Gasoline Range**
Client ID: **TW-1**	Batch ID: **B32265**	RunNo: **32265**
Prep Date:	Analysis Date: **2/19/2016**	SeqNo: **986839** Units: **mg/L**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	0.95	0.10	1.000	0	94.6	70	130	5.74	20	
Surr: BFB	43		40.00		107	49.5	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
R	RPD outside accepted recovery limits	RL	Reporting Detection Limit
S	% Recovery outside of range due to dilution or matrix	W	Sample container temperature is out of limit as specified

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: **1602752**

07-Mar-16

Client: Biotech Remediation, Inc.

Project: Thriftway #810

Sample ID **100ng lcs**	SampType: **LCS**	TestCode: **EPA Method 8260B: VOLATILES**
Client ID: **LCSW**	Batch ID: **A32246**	RunNo: **32246**
Prep Date:	Analysis Date: **2/18/2016**	SeqNo: **985898** Units: **µg/L**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	23	1.0	20.00	0	116	70	130			
Toluene	20	1.0	20.00	0	101	70	130			
Chlorobenzene	20	1.0	20.00	0	102	70	130			
1,1-Dichloroethene	24	1.0	20.00	0	120	70	130			
Trichloroethene (TCE)	22	1.0	20.00	0	112	70	130			
Surr: 1,2-Dichloroethane-d4	10		10.00		102	70	130			
Surr: 4-Bromofluorobenzene	10		10.00		105	70	130			
Surr: Dibromofluoromethane	12		10.00		121	70	130			
Surr: Toluene-d8	9.8		10.00		98.3	70	130			

Sample ID **rb**	SampType: **MBLK**	TestCode: **EPA Method 8260B: VOLATILES**
Client ID: **PBW**	Batch ID: **A32246**	RunNo: **32246**
Prep Date:	Analysis Date: **2/18/2016**	SeqNo: **985899** 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.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
R	RPD outside accepted recovery limits	RL	Reporting Detection Limit
S	% Recovery outside of range due to dilution or matrix	W	Sample container temperature is out of limit as specified

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: **1602752**

07-Mar-16

Client: Biotech Remediation, Inc.

Project: Thriftway #810

Sample ID **rb**	SampType: **MBLK**	TestCode: **EPA Method 8260B: VOLATILES**
Client ID: **PBW**	Batch ID: **A32246**	RunNo: **32246**
Prep Date:	Analysis Date: **2/18/2016**	SeqNo: **985899** 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
R	RPD outside accepted recovery limits	RL	Reporting Detection Limit
S	% Recovery outside of range due to dilution or matrix	W	Sample container temperature is out of limit as specified

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: **1602752**

07-Mar-16

Client: Biotech Remediation, Inc.

Project: Thriftway #810

Sample ID **rb**	SampType: **MBLK**	TestCode: **EPA Method 8260B: VOLATILES**
Client ID: **PBW**	Batch ID: **A32246**	RunNo: **32246**
Prep Date:	Analysis Date: **2/18/2016**	SeqNo: **985899** 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		104	70	130			
Surr: 4-Bromofluorobenzene	10		10.00		100	70	130			
Surr: Dibromofluoromethane	12		10.00		124	70	130			
Surr: Toluene-d8	9.7		10.00		96.8	70	130			

Sample ID **1602752-002ams**	SampType: **MS**	TestCode: **EPA Method 8260B: VOLATILES**
Client ID: **TW-2**	Batch ID: **A32246**	RunNo: **32246**
Prep Date:	Analysis Date: **2/18/2016**	SeqNo: **985908** 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	21	1.0	20.00	0	107	70	130			
Chlorobenzene	21	1.0	20.00	0	105	70	130			
1,1-Dichloroethene	23	1.0	20.00	0	116	70	130			
Trichloroethene (TCE)	22	1.0	20.00	0	111	70	130			
Surr: 1,2-Dichloroethane-d4	11		10.00		105	70	130			
Surr: 4-Bromofluorobenzene	11		10.00		105	70	130			
Surr: Dibromofluoromethane	12		10.00		119	70	130			
Surr: Toluene-d8	10		10.00		101	70	130			

Sample ID **1602752-002amsd**	SampType: **MSD**	TestCode: **EPA Method 8260B: VOLATILES**
Client ID: **TW-2**	Batch ID: **A32246**	RunNo: **32246**
Prep Date:	Analysis Date: **2/18/2016**	SeqNo: **985909** 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	7.34	20	
Toluene	19	1.0	20.00	0	95.4	70	130	11.4	20	
Chlorobenzene	19	1.0	20.00	0	97.5	70	130	7.48	20	
1,1-Dichloroethene	22	1.0	20.00	0	108	70	130	7.51	20	
Trichloroethene (TCE)	20	1.0	20.00	0	102	70	130	8.78	20	
Surr: 1,2-Dichloroethane-d4	10		10.00		104	70	130	0	0	
Surr: 4-Bromofluorobenzene	10		10.00		101	70	130	0	0	
Surr: Dibromofluoromethane	12		10.00		116	70	130	0	0	
Surr: Toluene-d8	9.9		10.00		99.1	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
R	RPD outside accepted recovery limits	RL	Reporting Detection Limit
S	% Recovery outside of range due to dilution or matrix	W	Sample container temperature is out of limit as specified

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: **1602752**

07-Mar-16

Client: Biotech Remediation, Inc.

Project: Thriftway #810

Sample ID **100ng lcs2**	SampType: **LCS**	TestCode: **EPA Method 8260B: VOLATILES**
Client ID: **LCSW**	Batch ID: **R32246**	RunNo: **32246**
Prep Date:	Analysis Date: **2/18/2016**	SeqNo: **985959** Units: **%Rec**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: 1,2-Dichloroethane-d4	11		10.00		107	70	130			
Surr: 4-Bromofluorobenzene	10		10.00		102	70	130			
Surr: Dibromofluoromethane	12		10.00		119	70	130			
Surr: Toluene-d8	9.7		10.00		97.3	70	130			

Sample ID **rb4**	SampType: **MBLK**	TestCode: **EPA Method 8260B: VOLATILES**
Client ID: **PBW**	Batch ID: **R32246**	RunNo: **32246**
Prep Date:	Analysis Date: **2/18/2016**	SeqNo: **985960** Units: **%Rec**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: 1,2-Dichloroethane-d4	11		10.00		106	70	130			
Surr: 4-Bromofluorobenzene	11		10.00		107	70	130			
Surr: Dibromofluoromethane	12		10.00		120	70	130			
Surr: Toluene-d8	10		10.00		101	70	130			

Sample ID **100ng lcs**	SampType: **LCS**	TestCode: **EPA Method 8260B: VOLATILES**
Client ID: **LCSW**	Batch ID: **R32292**	RunNo: **32292**
Prep Date:	Analysis Date: **2/19/2016**	SeqNo: **987047** Units: **µg/L**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	24	1.0	20.00	0	118	70	130			
Toluene	20	1.0	20.00	0	102	70	130			
Chlorobenzene	21	1.0	20.00	0	103	70	130			
1,1-Dichloroethene	23	1.0	20.00	0	114	70	130			
Trichloroethene (TCE)	23	1.0	20.00	0	113	70	130			
Surr: 1,2-Dichloroethane-d4	10		10.00		101	70	130			
Surr: 4-Bromofluorobenzene	10		10.00		103	70	130			
Surr: Dibromofluoromethane	12		10.00		117	70	130			
Surr: Toluene-d8	9.8		10.00		97.7	70	130			

Sample ID **rb**	SampType: **MBLK**	TestCode: **EPA Method 8260B: VOLATILES**
Client ID: **PBW**	Batch ID: **R32292**	RunNo: **32292**
Prep Date:	Analysis Date: **2/19/2016**	SeqNo: **987052** Units: **µg/L**

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

Qualifiers:

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

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: **1602752**

07-Mar-16

Client: Biotech Remediation, Inc.

Project: Thriftway #810

Sample ID **rb**	SampType: **MBLK**	TestCode: **EPA Method 8260B: VOLATILES**
Client ID: **PBW**	Batch ID: **R32292**	RunNo: **32292**
Prep Date:	Analysis Date: **2/19/2016**	SeqNo: **987052** Units: **µg/L**

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

Qualifiers:

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

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: **1602752**

07-Mar-16

Client: Biotech Remediation, Inc.

Project: Thriftway #810

Sample ID **rb**	SampType: **MBLK**	TestCode: **EPA Method 8260B: VOLATILES**
Client ID: **PBW**	Batch ID: **R32292**	RunNo: **32292**
Prep Date:	Analysis Date: **2/19/2016**	SeqNo: **987052** Units: **µg/L**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
4-Methyl-2-pentanone	ND	10								
Methylene Chloride	ND	3.0								
n-Butylbenzene	ND	3.0								
n-Propylbenzene	ND	1.0								
sec-Butylbenzene	ND	1.0								
Styrene	ND	1.0								
tert-Butylbenzene	ND	1.0								
1,1,1,2-Tetrachloroethane	ND	1.0								
1,1,2,2-Tetrachloroethane	ND	2.0								
Tetrachloroethene (PCE)	ND	1.0								
trans-1,2-DCE	ND	1.0								
trans-1,3-Dichloropropene	ND	1.0								
1,2,3-Trichlorobenzene	ND	1.0								
1,2,4-Trichlorobenzene	ND	1.0								
1,1,1-Trichloroethane	ND	1.0								
1,1,2-Trichloroethane	ND	1.0								
Trichloroethene (TCE)	ND	1.0								
Trichlorofluoromethane	ND	1.0								
1,2,3-Trichloropropane	ND	2.0								
Vinyl chloride	ND	1.0								
Xylenes, Total	ND	1.5								
Surr: 1,2-Dichloroethane-d4	11		10.00		109	70	130			
Surr: 4-Bromofluorobenzene	11		10.00		105	70	130			
Surr: Dibromofluoromethane	12		10.00		119	70	130			
Surr: Toluene-d8	10		10.00		101	70	130			

Qualifiers:

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

QC SUMMARY REPORT
Hall Environmental Analysis Laboratory, Inc.

WO#: **1602752**
07-Mar-16

Client: Biotech Remediation, Inc.
Project: Thriftway #810

Sample ID **mb-23851**	SampType: **MBLK**	TestCode: **EPA Method 8270C: PAHs**
Client ID: **PBW**	Batch ID: **23851**	RunNo: **32322**
Prep Date: **2/22/2016**	Analysis Date: **2/22/2016**	SeqNo: **988042** Units: **µg/L**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Naphthalene	ND	0.50								
1-Methylnaphthalene	ND	0.50								
2-Methylnaphthalene	ND	0.50								
Acenaphthylene	ND	0.50								
Acenaphthene	ND	0.50								
Fluorene	ND	0.50								
Phenanthrene	ND	0.50								
Anthracene	ND	0.50								
Fluoranthene	ND	0.50								
Pyrene	ND	0.50								
Benz(a)anthracene	ND	0.50								
Chrysene	ND	0.50								
Benzo(b)fluoranthene	ND	0.50								
Benzo(k)fluoranthene	ND	0.50								
Benzo(a)pyrene	ND	0.50								
Dibenz(a,h)anthracene	ND	0.50								
Benzo(g,h,i)perylene	ND	0.50								
Indeno(1,2,3-cd)pyrene	ND	0.50								
Surr: N-hexadecane	35		87.60		40.2	20.2	162			
Surr: Benzo(e)pyrene	7.6		20.00		37.9	21.1	159			

Sample ID **lcs-23851**	SampType: **LCS**	TestCode: **EPA Method 8270C: PAHs**
Client ID: **LCSW**	Batch ID: **23851**	RunNo: **32322**
Prep Date: **2/22/2016**	Analysis Date: **2/22/2016**	SeqNo: **988043** Units: **µg/L**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Naphthalene	17	0.50	20.00	0	83.2	37.4	120			
1-Methylnaphthalene	17	0.50	20.00	0	85.0	39.3	121			
2-Methylnaphthalene	18	0.50	20.00	0	87.7	37.8	122			
Acenaphthylene	16	0.50	20.00	0	81.0	37	124			
Acenaphthene	17	0.50	20.00	0	85.5	35.6	123			
Fluorene	17	0.50	20.00	0	87.1	35.2	122			
Phenanthrene	17	0.50	20.00	0	82.9	38.8	122			
Anthracene	17	0.50	20.00	0	82.8	37.5	125			
Fluoranthene	16	0.50	20.00	0	81.9	37.4	131			
Pyrene	17	0.50	20.00	0	86.3	27.5	140			
Benz(a)anthracene	17	0.50	20.00	0	82.6	25.4	141			
Chrysene	18	0.50	20.00	0	90.2	33.6	155			
Benzo(b)fluoranthene	17	0.50	20.00	0	84.7	39	153			

Qualifiers:

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

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: **1602752**

07-Mar-16

Client: Biotech Remediation, Inc.

Project: Thriftway #810

Sample ID **lcs-23851**	SampType: **LCS**	TestCode: **EPA Method 8270C: PAHs**
Client ID: **LCSW**	Batch ID: **23851**	RunNo: **32322**
Prep Date: **2/22/2016**	Analysis Date: **2/22/2016**	SeqNo: **988043** Units: **µg/L**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzo(k)fluoranthene	18	0.50	20.00	0	87.8	38	154			
Benzo(a)pyrene	16	0.50	20.00	0	81.2	38.6	153			
Dibenz(a,h)anthracene	17	0.50	20.00	0	85.0	39.7	155			
Benzo(g,h,i)perylene	18	0.50	20.00	0	87.9	39.6	154			
Indeno(1,2,3-cd)pyrene	17	0.50	20.00	0	86.4	19.1	153			
Surr: N-hexadecane	30		87.60		34.2	20.2	162			
Surr: Benzo(e)pyrene	6.7		20.00		33.4	21.1	159			

Sample ID **lcsd-23851**	SampType: **LCSD**	TestCode: **EPA Method 8270C: PAHs**
Client ID: **LCSS02**	Batch ID: **23851**	RunNo: **32322**
Prep Date: **2/22/2016**	Analysis Date: **2/22/2016**	SeqNo: **988044** Units: **µg/L**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Naphthalene	19	0.50	20.00	0	96.2	37.4	120	14.5	20	
1-Methylnaphthalene	20	0.50	20.00	0	98.8	39.3	121	15.0	26.8	
2-Methylnaphthalene	20	0.50	20.00	0	98.7	37.8	122	11.8	23.8	
Acenaphthylene	19	0.50	20.00	0	94.1	37	124	15.0	28.6	
Acenaphthene	20	0.50	20.00	0	99.9	35.6	123	15.5	27	
Fluorene	20	0.50	20.00	0	101	35.2	122	15.1	25.7	
Phenanthrene	19	0.50	20.00	0	96.0	38.8	122	14.6	20	
Anthracene	19	0.50	20.00	0	95.2	37.5	125	13.9	21.2	
Fluoranthene	20	0.50	20.00	0	99.3	37.4	131	19.2	21.8	
Pyrene	19	0.50	20.00	0	96.4	27.5	140	11.1	31.1	
Benz(a)anthracene	19	0.50	20.00	0	93.3	25.4	141	12.2	26.6	
Chrysene	20	0.50	20.00	0	102	33.6	155	12.0	21.2	
Benzo(b)fluoranthene	19	0.50	20.00	0	95.8	39	153	12.3	20	
Benzo(k)fluoranthene	20	0.50	20.00	0	98.1	38	154	11.1	21	
Benzo(a)pyrene	19	0.50	20.00	0	93.0	38.6	153	13.5	24.8	
Dibenz(a,h)anthracene	19	0.50	20.00	0	95.3	39.7	155	11.4	26	
Benzo(g,h,i)perylene	20	0.50	20.00	0	103	39.6	154	15.3	20	
Indeno(1,2,3-cd)pyrene	19	0.50	20.00	0	97.1	19.1	153	11.7	20	
Surr: N-hexadecane	35		87.60		40.0	20.2	162	0	0	
Surr: Benzo(e)pyrene	7.1		20.00		35.5	21.1	159	0	0	

Qualifiers:

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

QC SUMMARY REPORT
Hall Environmental Analysis Laboratory, Inc.

WO#: **1602752**
07-Mar-16

Client: Biotech Remediation, Inc.
Project: Thriftway #810

Sample ID	**1602752-012d dup**	SampType: **dup**		TestCode: **SM2510B: Specific Conductance**					
Client ID:	**TW-23**	Batch ID: **R32387**		RunNo: **32387**					
Prep Date:		Analysis Date: **2/24/2016**		SeqNo: **990316**	Units: **µmhos/cm**				
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Conductivity	5400	0.010						0.740	20	

Qualifiers:

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

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: **1602752**

07-Mar-16

Client: Biotech Remediation, Inc.

Project: Thriftway #810

Sample ID	**MB-23821**	SampType:	**MBLK**	TestCode:	**EPA Method 7470: Mercury**					
Client ID:	**PBW**	Batch ID:	**23821**	RunNo:	**32271**					
Prep Date:	**2/18/2016**	Analysis Date:	**2/19/2016**	SeqNo:	**986501**	Units:	**mg/L**			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Mercury	ND	0.00020								

Sample ID	**LCS-23821**	SampType:	**LCS**	TestCode:	**EPA Method 7470: Mercury**					
Client ID:	**LCSW**	Batch ID:	**23821**	RunNo:	**32271**					
Prep Date:	**2/18/2016**	Analysis Date:	**2/19/2016**	SeqNo:	**986502**	Units:	**mg/L**			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Mercury	0.0049	0.00020	0.005000	0	98.6	80	120			

Sample ID	**1602752-001FMS**	SampType:	**ms**	TestCode:	**EPA Method 7470: Mercury**					
Client ID:	**TW-1**	Batch ID:	**23821**	RunNo:	**32271**					
Prep Date:	**2/18/2016**	Analysis Date:	**2/19/2016**	SeqNo:	**986504**	Units:	**mg/L**			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Mercury	0.0055	0.00020	0.005000	0.0002163	106	75	125			

Sample ID	**1602752-001FMSD**	SampType:	**msd**	TestCode:	**EPA Method 7470: Mercury**					
Client ID:	**TW-1**	Batch ID:	**23821**	RunNo:	**32271**					
Prep Date:	**2/18/2016**	Analysis Date:	**2/19/2016**	SeqNo:	**986505**	Units:	**mg/L**			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Mercury	0.0054	0.00020	0.005000	0.0002163	104	75	125	2.45	20	

Qualifiers:

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

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: **1602752**

07-Mar-16

Client: Biotech Remediation, Inc.

Project: Thriftway #810

Sample ID **MB**	SampType: **MBLK**	TestCode: **EPA Method 6010B: Dissolved Metals**
Client ID: **PBW**	Batch ID: **R32288**	RunNo: **32288**
Prep Date:	Analysis Date: **2/19/2016**	SeqNo: **986930** Units: **mg/L**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Calcium	ND	1.0								
Lead	ND	0.0050								
Magnesium	ND	1.0								
Potassium	ND	1.0								
Sodium	ND	1.0								

Sample ID **LCS**	SampType: **LCS**	TestCode: **EPA Method 6010B: Dissolved Metals**
Client ID: **LCSW**	Batch ID: **R32288**	RunNo: **32288**
Prep Date:	Analysis Date: **2/19/2016**	SeqNo: **986931** Units: **mg/L**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Calcium	49	1.0	50.00	0	98.7	80	120			
Lead	0.46	0.0050	0.5000	0	92.9	80	120			
Magnesium	51	1.0	50.00	0	101	80	120			
Potassium	49	1.0	50.00	0	98.8	80	120			
Sodium	51	1.0	50.00	0	101	80	120			

Sample ID **MB-A**	SampType: **MBLK**	TestCode: **EPA Method 6010B: Dissolved Metals**
Client ID: **PBW**	Batch ID: **A32463**	RunNo: **32463**
Prep Date:	Analysis Date: **2/29/2016**	SeqNo: **992900** Units: **mg/L**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Calcium	ND	1.0								
Sodium	ND	1.0								

Sample ID **LCS-A**	SampType: **LCS**	TestCode: **EPA Method 6010B: Dissolved Metals**
Client ID: **LCSW**	Batch ID: **A32463**	RunNo: **32463**
Prep Date:	Analysis Date: **2/29/2016**	SeqNo: **992901** Units: **mg/L**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Calcium	49	1.0	50.00	0	98.9	80	120			
Sodium	49	1.0	50.00	0	97.1	80	120			

Qualifiers:

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

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: **1602752**

07-Mar-16

Client: Biotech Remediation, Inc.

Project: Thriftway #810

Sample ID	**MB-23820**	SampType:	**MBLK**	TestCode:	**EPA 6010B: Total Recoverable Metals**
Client ID:	**PBW**	Batch ID:	**23820**	RunNo:	**32288**
Prep Date:	**2/18/2016**	Analysis Date:	**2/19/2016**	SeqNo:	**986932** Units: **mg/L**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Arsenic	ND	0.020								
Barium	ND	0.020								
Cadmium	ND	0.0020								
Chromium	ND	0.0060								
Lead	ND	0.0050								
Selenium	ND	0.050								
Silver	ND	0.0050								

Sample ID	**LCS-23820**	SampType:	**LCS**	TestCode:	**EPA 6010B: Total Recoverable Metals**
Client ID:	**LCSW**	Batch ID:	**23820**	RunNo:	**32288**
Prep Date:	**2/18/2016**	Analysis Date:	**2/19/2016**	SeqNo:	**986933** Units: **mg/L**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Arsenic	0.48	0.020	0.5000	0	95.4	80	120			
Barium	0.48	0.020	0.5000	0	95.3	80	120			
Cadmium	0.48	0.0020	0.5000	0	96.8	80	120			
Chromium	0.47	0.0060	0.5000	0	94.3	80	120			
Lead	0.46	0.0050	0.5000	0	92.5	80	120			
Selenium	0.48	0.050	0.5000	0	96.6	80	120			
Silver	0.099	0.0050	0.1000	0	99.3	80	120			

Sample ID	**1602752-001FMS**	SampType:	**MS**	TestCode:	**EPA 6010B: Total Recoverable Metals**
Client ID:	**TW-1**	Batch ID:	**23820**	RunNo:	**32288**
Prep Date:	**2/18/2016**	Analysis Date:	**2/19/2016**	SeqNo:	**986939** Units: **mg/L**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Arsenic	0.50	0.020	0.5000	0.03671	92.8	75	125			
Cadmium	0.41	0.0020	0.5000	0	82.5	75	125			
Chromium	0.55	0.0060	0.5000	0.07150	96.4	75	125			
Silver	0.085	0.0050	0.1000	0	85.1	75	125			

Sample ID	**1602752-001FMSD**	SampType:	**MSD**	TestCode:	**EPA 6010B: Total Recoverable Metals**
Client ID:	**TW-1**	Batch ID:	**23820**	RunNo:	**32288**
Prep Date:	**2/18/2016**	Analysis Date:	**2/19/2016**	SeqNo:	**986943** Units: **mg/L**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Arsenic	0.48	0.020	0.5000	0.03671	87.7	75	125	5.17	20	
Cadmium	0.41	0.0020	0.5000	0	82.5	75	125	0.0921	20	
Chromium	0.54	0.0060	0.5000	0.07150	93.7	75	125	2.47	20	
Silver	0.085	0.0050	0.1000	0	84.8	75	125	0.341	20	

Qualifiers:

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

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: **1602752**

07-Mar-16

Client: Biotech Remediation, Inc.

Project: Thriftway #810

Sample ID	**1602752-001FMS**	SampType:	**MS**		TestCode:	**EPA 6010B: Total Recoverable Metals**				
Client ID:	**TW-1**	Batch ID:	**23820**		RunNo:	**32339**				
Prep Date:	**2/18/2016**	Analysis Date:	**2/23/2016**		SeqNo:	**988438**	Units:	**mg/L**		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Lead	0.49	0.0050	0.5000	0.02634	92.3	75	125			
Selenium	0.31	0.050	0.5000	0	62.2	75	125			S

Sample ID	**1602752-001FMSD**	SampType:	**MSD**		TestCode:	**EPA 6010B: Total Recoverable Metals**				
Client ID:	**TW-1**	Batch ID:	**23820**		RunNo:	**32339**				
Prep Date:	**2/18/2016**	Analysis Date:	**2/23/2016**		SeqNo:	**988439**	Units:	**mg/L**		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Lead	0.46	0.0050	0.5000	0.02634	87.1	75	125	5.52	20	
Selenium	0.31	0.050	0.5000	0	62.7	75	125	0.929	20	S

Qualifiers:

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

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: **1602752**

07-Mar-16

Client: Biotech Remediation, Inc.

Project: Thriftway #810

Sample ID	**mb-1**	SampType:	**mblk**	TestCode:	**SM2320B: Alkalinity**					
Client ID:	**PBW**	Batch ID:	**R32387**	RunNo:	**32387**					
Prep Date:		Analysis Date:	**2/24/2016**	SeqNo:	**990340**	Units:	**mg/L CaCO3**			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Total Alkalinity (as CaCO3)	ND	20.00								

Sample ID	**lcs-1**	SampType:	**lcs**	TestCode:	**SM2320B: Alkalinity**					
Client ID:	**LCSW**	Batch ID:	**R32387**	RunNo:	**32387**					
Prep Date:		Analysis Date:	**2/24/2016**	SeqNo:	**990341**	Units:	**mg/L CaCO3**			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Total Alkalinity (as CaCO3)	77.76	20.00	80.00	0	97.2	90	110			

Sample ID	**mb-2**	SampType:	**mblk**	TestCode:	**SM2320B: Alkalinity**					
Client ID:	**PBW**	Batch ID:	**R32387**	RunNo:	**32387**					
Prep Date:		Analysis Date:	**2/24/2016**	SeqNo:	**990364**	Units:	**mg/L CaCO3**			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Total Alkalinity (as CaCO3)	ND	20.00								

Sample ID	**lcs-2**	SampType:	**lcs**	TestCode:	**SM2320B: Alkalinity**					
Client ID:	**LCSW**	Batch ID:	**R32387**	RunNo:	**32387**					
Prep Date:		Analysis Date:	**2/24/2016**	SeqNo:	**990365**	Units:	**mg/L CaCO3**			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Total Alkalinity (as CaCO3)	78.20	20.00	80.00	0	97.7	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
R	RPD outside accepted recovery limits	RL	Reporting Detection Limit
S	% Recovery outside of range due to dilution or matrix	W	Sample container temperature is out of limit as specified

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: **1602752**

07-Mar-16

Client: Biotech Remediation, Inc.

Project: Thriftway #810

Sample ID	**MB-23844**	SampType:	**MBLK**			TestCode:	**SM2540C MOD: Total Dissolved Solids**			
Client ID:	**PBW**	Batch ID:	**23844**			RunNo:	**32312**			
Prep Date:	**2/19/2016**	Analysis Date:	**2/22/2016**			SeqNo:	**987694**	Units:	**mg/L**	

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Total Dissolved Solids	ND	20.0								

Sample ID	**LCS-23844**	SampType:	**LCS**			TestCode:	**SM2540C MOD: Total Dissolved Solids**			
Client ID:	**LCSW**	Batch ID:	**23844**			RunNo:	**32312**			
Prep Date:	**2/19/2016**	Analysis Date:	**2/22/2016**			SeqNo:	**987695**	Units:	**mg/L**	

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Total Dissolved Solids	1010	20.0	1000	0	101	80	120			

Sample ID	**1602752-004DMS**	SampType:	**MS**			TestCode:	**SM2540C MOD: Total Dissolved Solids**			
Client ID:	**TW-8**	Batch ID:	**23844**			RunNo:	**32312**			
Prep Date:	**2/19/2016**	Analysis Date:	**2/22/2016**			SeqNo:	**987706**	Units:	**mg/L**	

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Total Dissolved Solids	5690	40.0	2000	3702	99.5	80	120			D

Sample ID	**1602752-004DMSD**	SampType:	**MSD**			TestCode:	**SM2540C MOD: Total Dissolved Solids**			
Client ID:	**TW-8**	Batch ID:	**23844**			RunNo:	**32312**			
Prep Date:	**2/19/2016**	Analysis Date:	**2/22/2016**			SeqNo:	**987707**	Units:	**mg/L**	

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Total Dissolved Solids	5740	40.0	2000	3702	102	80	120	0.909	5	D

Sample ID	**MB-23872**	SampType:	**MBLK**			TestCode:	**SM2540C MOD: Total Dissolved Solids**			
Client ID:	**PBW**	Batch ID:	**23872**			RunNo:	**32347**			
Prep Date:	**2/22/2016**	Analysis Date:	**2/23/2016**			SeqNo:	**988689**	Units:	**mg/L**	

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Total Dissolved Solids	ND	20.0								

Sample ID	**LCS-23872**	SampType:	**LCS**			TestCode:	**SM2540C MOD: Total Dissolved Solids**			
Client ID:	**LCSW**	Batch ID:	**23872**			RunNo:	**32347**			
Prep Date:	**2/22/2016**	Analysis Date:	**2/23/2016**			SeqNo:	**988690**	Units:	**mg/L**	

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Total Dissolved Solids	1000	20.0	1000	0	100	80	120			

Qualifiers:

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

HALL ENVIRONMENTAL ANALYSIS LABORATORY

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: Biotech Remediation Inc Work Order Number: 1602752 RcptNo: 1

Received by/date: KM 02/18/16

Logged By: Ashley Gallegos 2/18/2016 7:00:00 AM

Completed By: Ashley Gallegos 2/18/2016 9:44:45 AM

Reviewed By: mg DT 02/18/16

Chain of Custody

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

Log In

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

of preserved bottles checked for pH: 4 8 (<2 or >12 unless noted)

Adjusted? No

Checked by: mg

Special Handling (if applicable)

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

Person Notified: ____ Date ____

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

Regarding: ____

Client Instructions: ____

17. Additional remarks:

18. **Cooler Information**

Cooler No	Temp °C	Condition	Seal Intact	Seal No	Seal Date	Signed By
1	1.3	Good	Yes			

Chain-of-Custody Record

Client: BioTech Remediation, Inc
501 Airport Drive, Suite 104
Mailing Address: Farmington, NM 87401

Phone #(505) 215-5984
Email or Fax#:
QA/QC Package:
(X) Standard ☐ Level 4 (Full Validation)
Accreditation
☐ NELAP ☐ Other
☐ EDD (Type)

Turn-Around Time:
(X) Standard ☐ Rush
Project Name: Thriftway #810
Project #:
Project Manager: Ross Kennemer
Sampler: Ross Kennemer
On Ice: (X) Yes ☐ No
Sample Temperature: 1.3

HALL ENVIRONMENTAL ANALYSIS LABORATORY
www.hallenvironmental.com
4901 Hawkins NE - Albuquerque, NM 87109
Tel. 505-345-3975 Fax 505-345-4107

Analysis Request

Date	Time	Matrix	Sample Request ID	Container Type and #	Preservative Type	HEAL No. 1602752	BTEX + MTBE + TMB's (8021)	BTEX + MTBE + TPH (Gas only)	TPH 8015B (GRO / DRO / MRO)	TPH (Method 418.1)	EDB (Method 504.1)	PAH's (8310 or 8270 SIMS)	RCRA 8 Metals	Anions (F,Cl,NO_3,NO_2,PO_4,SO_4)	8081 Pesticides / 8082 PCB's	8260B (VOA)	8270 (Semi-VOA) SIMS PAH	Total & Dissolved Lead	Sulfate & Chloride	Cations & Anions	TDS	Air Bubbles (Y or N)
6-16	0926	H_2O	TW-1	Various	Various	-001			X				X			X	X	X	X	X	X	
	1015		TW-2			-002			X				X			X	X	X	X	X	X	
	1120		TW-4			-003			X				X			X	X	X	X	X	X	
	1205		TW-8			-004			X				X			X	X	X	X	X	X	
	1245		TW-5			-005			X				X			X	X	X	X	X	X	
	1325		TW-6			-006			X				X			X	X	X	X	X	X	
	1432		TW-10			-007			X				X			X	X	X	X	X	X	
	1505		TW-9			-008			X				X			X	X	X	X	X	X	
7-16	0850		TW-11			-009			X				X			X	X	X	X	X	X	
	0945		TW-18			-010			X				X			X	X	X	X	X	X	
	1025		TW-15			-011			X				X			X	X	X	X	X	X	
	1110		TW-23			-012			X				X			X	X	X	X	X	X	

Date	Time	Relinquished by:	Received by:	Date	Time
7/14	1555	Ross Kennemer	Chet Wade	2/17/16	1555
7/14	1856	Chet Wade		02/18/16	0700

Remarks:

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

Chain-of-Custody Record

Client: BioTech Remediation, Inc.

Mailing Address: 501 Airport Drive, Suite 104, Farmington, NM 87401

Phone #: (505) 215-5984

Email or Fax#:

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

Accreditation: ☐ NELAP ☐ Other ____ ☐ EDD (Type) ____

Turn-Around Time: ☒ Standard ☐ Rush ____

Project Name: Thriftway #810

Project #:

Project Manager: Ross Kennemer

Sampler: Ross Kennemer

On Ice: ☒ Yes ☐ No

Sample Temperature: 1.3

HALL ENVIRONMENTAL ANALYSIS LABORATORY

www.hallenvironmental.com

4901 Hawkins NE - Albuquerque, NM 87109

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

Analysis Request

Date	Time	Matrix	Sample Request ID	Container Type and #	Preservative Type	HEAL No. 1602753	BTEX + MTBE + TMB's (8021)	BTEX + MTBE + TPH (Gas only)	TPH 8015B (GRO / DRO / MRO)	TPH (Method 418.1)	EDB (Method 504.1)	PAH's (8310 or 8270 SIMS)	RCRA 8 Metals	Anions ($F, Cl, NO_3, NO_2, PO_4, SO_4$)	8081 Pesticides / 8082 PCB's	8260B (VOA)	8270 (Semi-VOA)	Total & Dissolved Lead	Sulfate & Chloride	Cations and Anions	TDS	Air Bubbles (Y or N)
7-16	1150	H_2O	TW-17	Various	Various	-013			X			X	X			X		X	X	X	X	
	1230		TW-16			-014			X			X	X			X		X	X	X	X	
	1320		TW-24			-015			X			X	X			X		X	X	X	X	
	1400		TW-22			-016			X			X	X			X		X	X	X	X	

Date:	Time:	Relinquished by:	Received by:	Date	Time
12/7/16	1555	Ross Kennemer	Mist Walk	12/7/16	1555
12/7/16	1852	Grant Walk		02/18/16	0700

Remarks:

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

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

March 10, 2016

Ross Kennemer

Biotech Remediation, Inc.
501 Airport Dr
Farmington, NM 87401
TEL:
FAX

RE: Thriftway #810 OrderNo.: 1602A05

Dear Ross Kennemer:

Hall Environmental Analysis Laboratory received 4 sample(s) on 2/24/2016 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 qualifers are provided on both the sample analysis report and the QC summary report, both sections should be reviewed. All samples are reported, as received, unless otherwise indicated. Lab measurement of analytes considered field parameters that require analysis within 15 minutes of sampling such as pH and residual chlorine are qualified as being analyzed outside of the recommended holding time.

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

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

Sincerely,



Andy Freeman
Laboratory Manager
4901 Hawkins NE
Albuquerque, NM 87109

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Biotech Remediation, Inc. **Client Sample ID:** TW-34
Project: Thriftway #810 **Collection Date:** 2/23/2016 8:40:00 AM
Lab ID: 1602A05-001 **Matrix:** AQUEOUS **Received Date:** 2/24/2016 8:05:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analyst:	**LGT**
Fluoride	0.86	0.50		mg/L	5	2/24/2016 9:50:27 PM	A32395
Chloride	73	50		mg/L	100	3/2/2016 3:47:46 PM	R32541
Nitrogen, Nitrite (As N)	ND	0.50		mg/L	5	2/24/2016 9:50:27 PM	A32395
Bromide	ND	0.50		mg/L	5	2/24/2016 9:50:27 PM	A32395
Nitrogen, Nitrate (As N)	ND	0.50		mg/L	5	2/24/2016 9:50:27 PM	A32395
Phosphorus, Orthophosphate (As P)	ND	2.5	H	mg/L	5	3/2/2016 3:35:22 PM	R32541
Sulfate	3800	50	*	mg/L	100	3/2/2016 3:47:46 PM	R32541
SM2510B: SPECIFIC CONDUCTANCE						Analyst:	**JRR**
Conductivity	6500	0.010		µmhos/cm	1	2/25/2016 2:47:22 PM	R32439
SM2320B: ALKALINITY						Analyst:	**JRR**
Bicarbonate (As CaCO3)	532.4	20.00		mg/L CaCO3	1	2/25/2016 2:47:22 PM	R32439
Carbonate (As CaCO3)	ND	2.000		mg/L CaCO3	1	2/25/2016 2:47:22 PM	R32439
Total Alkalinity (as CaCO3)	532.4	20.00		mg/L CaCO3	1	2/25/2016 2:47:22 PM	R32439
SM2540C MOD: TOTAL DISSOLVED SOLIDS						Analyst:	**KS**
Total Dissolved Solids	5670	200	*D	mg/L	1	2/26/2016 5:27:00 PM	23949
EPA METHOD 7470: MERCURY						Analyst:	**pmf**
Mercury	ND	0.00020		mg/L	1	2/26/2016 1:19:19 PM	23954
EPA METHOD 6010B: DISSOLVED METALS						Analyst:	**MED**
Calcium	480	20		mg/L	20	3/9/2016 12:25:05 PM	B32664
Lead	ND	0.0050		mg/L	1	3/9/2016 11:04:17 AM	B32664
Magnesium	93	1.0		mg/L	1	3/9/2016 11:04:17 AM	B32664
Potassium	5.2	1.0		mg/L	1	3/9/2016 11:04:17 AM	B32664
Sodium	1400	20		mg/L	20	3/9/2016 12:25:05 PM	B32664
EPA 6010B: TOTAL RECOVERABLE METALS						Analyst:	**MED**
Arsenic	ND	0.040		mg/L	2	2/26/2016 11:56:52 AM	23938
Barium	0.49	0.020		mg/L	1	2/26/2016 11:32:45 AM	23938
Cadmium	ND	0.0020		mg/L	1	2/26/2016 11:32:45 AM	23938
Chromium	0.033	0.0060		mg/L	1	2/26/2016 11:32:45 AM	23938
Lead	0.024	0.0050		mg/L	1	2/26/2016 11:32:45 AM	23938
Selenium	ND	0.050		mg/L	1	2/26/2016 11:32:45 AM	23938
Silver	ND	0.0050		mg/L	1	2/26/2016 11:32:45 AM	23938
EPA METHOD 8015M/D: DIESEL RANGE						Analyst:	**KJH**
Diesel Range Organics (DRO)	ND	1.0		mg/L	1	2/25/2016 3:33:36 PM	23932
Motor Oil Range Organics (MRO)	ND	5.0		mg/L	1	2/25/2016 3:33:36 PM	23932
Surr: DNOP	131	70-141		%Rec	1	2/25/2016 3:33:36 PM	23932

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

Qualifiers:

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

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Biotech Remediation, Inc. **Client Sample ID:** TW-34
Project: Thriftway #810 **Collection Date:** 2/23/2016 8:40:00 AM
Lab ID: 1602A05-001 **Matrix:** AQUEOUS **Received Date:** 2/24/2016 8:05:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **NSB**	
Gasoline Range Organics (GRO)	ND	0.050		mg/L	1	2/25/2016 10:49:18 AM	R32416
Surr: BFB	86.2	49.5-130		%Rec	1	2/25/2016 10:49:18 AM	R32416
EPA METHOD 8270C: PAHS						Analyst: **DAM**	
Naphthalene	ND	0.50		µg/L	1	3/1/2016 2:33:59 PM	23983
1-Methylnaphthalene	ND	0.50		µg/L	1	3/1/2016 2:33:59 PM	23983
2-Methylnaphthalene	ND	0.50		µg/L	1	3/1/2016 2:33:59 PM	23983
Acenaphthylene	ND	0.50		µg/L	1	3/1/2016 2:33:59 PM	23983
Acenaphthene	ND	0.50		µg/L	1	3/1/2016 2:33:59 PM	23983
Fluorene	ND	0.50		µg/L	1	3/1/2016 2:33:59 PM	23983
Phenanthrene	ND	0.50		µg/L	1	3/1/2016 2:33:59 PM	23983
Anthracene	ND	0.50		µg/L	1	3/1/2016 2:33:59 PM	23983
Fluoranthene	ND	0.50		µg/L	1	3/1/2016 2:33:59 PM	23983
Pyrene	ND	0.50		µg/L	1	3/1/2016 2:33:59 PM	23983
Benz(a)anthracene	ND	0.50		µg/L	1	3/1/2016 2:33:59 PM	23983
Chrysene	ND	0.50		µg/L	1	3/1/2016 2:33:59 PM	23983
Benzo(b)fluoranthene	ND	0.50		µg/L	1	3/1/2016 2:33:59 PM	23983
Benzo(k)fluoranthene	ND	0.50		µg/L	1	3/1/2016 2:33:59 PM	23983
Benzo(a)pyrene	ND	0.50		µg/L	1	3/1/2016 2:33:59 PM	23983
Dibenz(a,h)anthracene	ND	0.50		µg/L	1	3/1/2016 2:33:59 PM	23983
Benzo(g,h,i)perylene	ND	0.50		µg/L	1	3/1/2016 2:33:59 PM	23983
Indeno(1,2,3-cd)pyrene	ND	0.50		µg/L	1	3/1/2016 2:33:59 PM	23983
Surr: N-hexadecane	50.2	20.2-162		%Rec	1	3/1/2016 2:33:59 PM	23983
Surr: Benzo(e)pyrene	32.8	21.1-159		%Rec	1	3/1/2016 2:33:59 PM	23983
EPA METHOD 8260B: VOLATILES						Analyst: **AG**	
Benzene	ND	1.0		µg/L	1	2/26/2016 6:11:16 AM	B32398
Toluene	ND	1.0		µg/L	1	2/26/2016 6:11:16 AM	B32398
Ethylbenzene	ND	1.0		µg/L	1	2/26/2016 6:11:16 AM	B32398
Methyl tert-butyl ether (MTBE)	ND	1.0		µg/L	1	2/26/2016 6:11:16 AM	B32398
1,2,4-Trimethylbenzene	ND	1.0		µg/L	1	2/26/2016 6:11:16 AM	B32398
1,3,5-Trimethylbenzene	ND	1.0		µg/L	1	2/26/2016 6:11:16 AM	B32398
1,2-Dichloroethane (EDC)	ND	1.0		µg/L	1	2/26/2016 6:11:16 AM	B32398
1,2-Dibromoethane (EDB)	ND	1.0		µg/L	1	2/26/2016 6:11:16 AM	B32398
Naphthalene	ND	2.0		µg/L	1	2/26/2016 6:11:16 AM	B32398
1-Methylnaphthalene	ND	4.0		µg/L	1	2/26/2016 6:11:16 AM	B32398
2-Methylnaphthalene	ND	4.0		µg/L	1	2/26/2016 6:11:16 AM	B32398
Acetone	ND	10		µg/L	1	2/26/2016 6:11:16 AM	B32398
Bromobenzene	ND	1.0		µg/L	1	2/26/2016 6:11:16 AM	B32398
Bromodichloromethane	ND	1.0		µg/L	1	2/26/2016 6:11:16 AM	B32398

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

Qualifiers:

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

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Biotech Remediation, Inc. **Client Sample ID:** TW-34
Project: Thriftway #810 **Collection Date:** 2/23/2016 8:40:00 AM
Lab ID: 1602A05-001 **Matrix:** AQUEOUS **Received Date:** 2/24/2016 8:05:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8260B: VOLATILES						Analyst: **AG**	
Bromoform	ND	1.0		µg/L	1	2/26/2016 6:11:16 AM	B32398
Bromomethane	ND	3.0		µg/L	1	2/26/2016 6:11:16 AM	B32398
2-Butanone	ND	10		µg/L	1	2/26/2016 6:11:16 AM	B32398
Carbon disulfide	ND	10		µg/L	1	2/26/2016 6:11:16 AM	B32398
Carbon Tetrachloride	ND	1.0		µg/L	1	2/26/2016 6:11:16 AM	B32398
Chlorobenzene	ND	1.0		µg/L	1	2/26/2016 6:11:16 AM	B32398
Chloroethane	ND	2.0		µg/L	1	2/26/2016 6:11:16 AM	B32398
Chloroform	ND	1.0		µg/L	1	2/26/2016 6:11:16 AM	B32398
Chloromethane	ND	3.0		µg/L	1	2/26/2016 6:11:16 AM	B32398
2-Chlorotoluene	ND	1.0		µg/L	1	2/26/2016 6:11:16 AM	B32398
4-Chlorotoluene	ND	1.0		µg/L	1	2/26/2016 6:11:16 AM	B32398
cis-1,2-DCE	ND	1.0		µg/L	1	2/26/2016 6:11:16 AM	B32398
cis-1,3-Dichloropropene	ND	1.0		µg/L	1	2/26/2016 6:11:16 AM	B32398
1,2-Dibromo-3-chloropropane	ND	2.0		µg/L	1	2/26/2016 6:11:16 AM	B32398
Dibromochloromethane	ND	1.0		µg/L	1	2/26/2016 6:11:16 AM	B32398
Dibromomethane	ND	1.0		µg/L	1	2/26/2016 6:11:16 AM	B32398
1,2-Dichlorobenzene	ND	1.0		µg/L	1	2/26/2016 6:11:16 AM	B32398
1,3-Dichlorobenzene	ND	1.0		µg/L	1	2/26/2016 6:11:16 AM	B32398
1,4-Dichlorobenzene	ND	1.0		µg/L	1	2/26/2016 6:11:16 AM	B32398
Dichlorodifluoromethane	ND	1.0		µg/L	1	2/26/2016 6:11:16 AM	B32398
1,1-Dichloroethane	ND	1.0		µg/L	1	2/26/2016 6:11:16 AM	B32398
1,1-Dichloroethene	ND	1.0		µg/L	1	2/26/2016 6:11:16 AM	B32398
1,2-Dichloropropane	ND	1.0		µg/L	1	2/26/2016 6:11:16 AM	B32398
1,3-Dichloropropane	ND	1.0		µg/L	1	2/26/2016 6:11:16 AM	B32398
2,2-Dichloropropane	ND	2.0		µg/L	1	2/26/2016 6:11:16 AM	B32398
1,1-Dichloropropene	ND	1.0		µg/L	1	2/26/2016 6:11:16 AM	B32398
Hexachlorobutadiene	ND	1.0		µg/L	1	2/26/2016 6:11:16 AM	B32398
2-Hexanone	ND	10		µg/L	1	2/26/2016 6:11:16 AM	B32398
Isopropylbenzene	ND	1.0		µg/L	1	2/26/2016 6:11:16 AM	B32398
4-Isopropyltoluene	ND	1.0		µg/L	1	2/26/2016 6:11:16 AM	B32398
4-Methyl-2-pentanone	ND	10		µg/L	1	2/26/2016 6:11:16 AM	B32398
Methylene Chloride	ND	3.0		µg/L	1	2/26/2016 6:11:16 AM	B32398
n-Butylbenzene	ND	3.0		µg/L	1	2/26/2016 6:11:16 AM	B32398
n-Propylbenzene	ND	1.0		µg/L	1	2/26/2016 6:11:16 AM	B32398
sec-Butylbenzene	ND	1.0		µg/L	1	2/26/2016 6:11:16 AM	B32398
Styrene	ND	1.0		µg/L	1	2/26/2016 6:11:16 AM	B32398
tert-Butylbenzene	ND	1.0		µg/L	1	2/26/2016 6:11:16 AM	B32398
1,1,1,2-Tetrachloroethane	ND	1.0		µg/L	1	2/26/2016 6:11:16 AM	B32398
1,1,2,2-Tetrachloroethane	ND	2.0		µg/L	1	2/26/2016 6:11:16 AM	B32398

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

Qualifiers:

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

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Biotech Remediation, Inc. **Client Sample ID:** TW-34
Project: Thriftway #810 **Collection Date:** 2/23/2016 8:40:00 AM
Lab ID: 1602A05-001 **Matrix:** AQUEOUS **Received Date:** 2/24/2016 8:05:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8260B: VOLATILES						Analyst: **AG**	
Tetrachloroethene (PCE)	ND	1.0		µg/L	1	2/26/2016 6:11:16 AM	B32398
trans-1,2-DCE	ND	1.0		µg/L	1	2/26/2016 6:11:16 AM	B32398
trans-1,3-Dichloropropene	ND	1.0		µg/L	1	2/26/2016 6:11:16 AM	B32398
1,2,3-Trichlorobenzene	ND	1.0		µg/L	1	2/26/2016 6:11:16 AM	B32398
1,2,4-Trichlorobenzene	ND	1.0		µg/L	1	2/26/2016 6:11:16 AM	B32398
1,1,1-Trichloroethane	ND	1.0		µg/L	1	2/26/2016 6:11:16 AM	B32398
1,1,2-Trichloroethane	ND	1.0		µg/L	1	2/26/2016 6:11:16 AM	B32398
Trichloroethene (TCE)	ND	1.0		µg/L	1	2/26/2016 6:11:16 AM	B32398
Trichlorofluoromethane	ND	1.0		µg/L	1	2/26/2016 6:11:16 AM	B32398
1,2,3-Trichloropropane	ND	2.0		µg/L	1	2/26/2016 6:11:16 AM	B32398
Vinyl chloride	ND	1.0		µg/L	1	2/26/2016 6:11:16 AM	B32398
Xylenes, Total	ND	1.5		µg/L	1	2/26/2016 6:11:16 AM	B32398
Surr: 1,2-Dichloroethane-d4	91.4	70-130		%Rec	1	2/26/2016 6:11:16 AM	B32398
Surr: 4-Bromofluorobenzene	98.4	70-130		%Rec	1	2/26/2016 6:11:16 AM	B32398
Surr: Dibromofluoromethane	97.2	70-130		%Rec	1	2/26/2016 6:11:16 AM	B32398
Surr: Toluene-d8	97.9	70-130		%Rec	1	2/26/2016 6:11:16 AM	B32398

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

Qualifiers:

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

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Biotech Remediation, Inc. **Client Sample ID:** TW-45
Project: Thriftway #810 **Collection Date:** 2/23/2016 9:55:00 AM
Lab ID: 1602A05-002 **Matrix:** AQUEOUS **Received Date:** 2/24/2016 8:05:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analyst: **LGT**	
Fluoride	0.50	0.50		mg/L	5	2/24/2016 10:40:05 PM	A32395
Chloride	120	10		mg/L	20	3/2/2016 4:12:35 PM	R32541
Nitrogen, Nitrite (As N)	ND	0.50		mg/L	5	2/24/2016 10:40:05 PM	A32395
Bromide	ND	0.50		mg/L	5	2/24/2016 10:40:05 PM	A32395
Nitrogen, Nitrate (As N)	ND	0.50		mg/L	5	2/24/2016 10:40:05 PM	A32395
Phosphorus, Orthophosphate (As P)	ND	2.5	H	mg/L	5	3/2/2016 4:00:10 PM	R32541
Sulfate	2200	50	*	mg/L	100	3/2/2016 4:24:59 PM	R32541
SM2510B: SPECIFIC CONDUCTANCE						Analyst: **JRR**	
Conductivity	4900	0.010		µmhos/cm	1	2/25/2016 3:10:35 PM	R32439
SM2320B: ALKALINITY						Analyst: **JRR**	
Bicarbonate (As CaCO3)	715.0	20.00		mg/L CaCO3	1	2/25/2016 3:10:35 PM	R32439
Carbonate (As CaCO3)	ND	2.000		mg/L CaCO3	1	2/25/2016 3:10:35 PM	R32439
Total Alkalinity (as CaCO3)	715.0	20.00		mg/L CaCO3	1	2/25/2016 3:10:35 PM	R32439
SM2540C MOD: TOTAL DISSOLVED SOLIDS						Analyst: **KS**	
Total Dissolved Solids	3950	200	*D	mg/L	1	2/26/2016 5:27:00 PM	23949
EPA METHOD 7470: MERCURY						Analyst: **pmf**	
Mercury	ND	0.00020		mg/L	1	2/26/2016 1:21:23 PM	23954
EPA METHOD 6010B: DISSOLVED METALS						Analyst: **MED**	
Calcium	450	10		mg/L	10	3/9/2016 12:26:40 PM	B32664
Lead	ND	0.0050		mg/L	1	3/9/2016 11:06:03 AM	B32664
Magnesium	44	1.0		mg/L	1	3/9/2016 11:06:03 AM	B32664
Potassium	3.3	1.0		mg/L	1	3/9/2016 11:06:03 AM	B32664
Sodium	890	10		mg/L	10	3/9/2016 12:26:40 PM	B32664
EPA 6010B: TOTAL RECOVERABLE METALS						Analyst: **MED**	
Arsenic	0.87	0.020		mg/L	1	2/26/2016 11:34:06 AM	23938
Barium	0.16	0.020		mg/L	1	2/26/2016 11:34:06 AM	23938
Cadmium	ND	0.0020		mg/L	1	2/26/2016 11:34:06 AM	23938
Chromium	ND	0.0060		mg/L	1	2/26/2016 11:34:06 AM	23938
Lead	ND	0.0050		mg/L	1	2/26/2016 11:34:06 AM	23938
Selenium	ND	0.050		mg/L	1	2/26/2016 11:34:06 AM	23938
Silver	ND	0.0050		mg/L	1	2/26/2016 11:34:06 AM	23938
EPA METHOD 8015M/D: DIESEL RANGE						Analyst: **KJH**	
Diesel Range Organics (DRO)	ND	1.0		mg/L	1	2/25/2016 4:41:11 PM	23932
Motor Oil Range Organics (MRO)	ND	5.0		mg/L	1	2/25/2016 4:41:11 PM	23932
Surr: DNOP	118	70-141		%Rec	1	2/25/2016 4:41:11 PM	23932

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
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S	% Recovery outside of range due to dilution or matrix	W	Sample container temperature is out of limit as specified

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Biotech Remediation, Inc. **Client Sample ID:** TW-45
Project: Thriftway #810 **Collection Date:** 2/23/2016 9:55:00 AM
Lab ID: 1602A05-002 **Matrix:** AQUEOUS **Received Date:** 2/24/2016 8:05:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **NSB**	
Gasoline Range Organics (GRO)	0.15	0.050		mg/L	1	2/25/2016 11:14:00 AM	R32416
Surr: BFB	89.6	49.5-130		%Rec	1	2/25/2016 11:14:00 AM	R32416
EPA METHOD 8270C: PAHS						Analyst: **DAM**	
Naphthalene	ND	0.50		µg/L	1	3/1/2016 2:58:13 PM	23983
1-Methylnaphthalene	ND	0.50		µg/L	1	3/1/2016 2:58:13 PM	23983
2-Methylnaphthalene	ND	0.50		µg/L	1	3/1/2016 2:58:13 PM	23983
Acenaphthylene	ND	0.50		µg/L	1	3/1/2016 2:58:13 PM	23983
Acenaphthene	ND	0.50		µg/L	1	3/1/2016 2:58:13 PM	23983
Fluorene	ND	0.50		µg/L	1	3/1/2016 2:58:13 PM	23983
Phenanthrene	ND	0.50		µg/L	1	3/1/2016 2:58:13 PM	23983
Anthracene	ND	0.50		µg/L	1	3/1/2016 2:58:13 PM	23983
Fluoranthene	ND	0.50		µg/L	1	3/1/2016 2:58:13 PM	23983
Pyrene	ND	0.50		µg/L	1	3/1/2016 2:58:13 PM	23983
Benz(a)anthracene	ND	0.50		µg/L	1	3/1/2016 2:58:13 PM	23983
Chrysene	ND	0.50		µg/L	1	3/1/2016 2:58:13 PM	23983
Benzo(b)fluoranthene	ND	0.50		µg/L	1	3/1/2016 2:58:13 PM	23983
Benzo(k)fluoranthene	ND	0.50		µg/L	1	3/1/2016 2:58:13 PM	23983
Benzo(a)pyrene	ND	0.50		µg/L	1	3/1/2016 2:58:13 PM	23983
Dibenz(a,h)anthracene	ND	0.50		µg/L	1	3/1/2016 2:58:13 PM	23983
Benzo(g,h,i)perylene	ND	0.50		µg/L	1	3/1/2016 2:58:13 PM	23983
Indeno(1,2,3-cd)pyrene	ND	0.50		µg/L	1	3/1/2016 2:58:13 PM	23983
Surr: N-hexadecane	53.2	20.2-162		%Rec	1	3/1/2016 2:58:13 PM	23983
Surr: Benzo(e)pyrene	29.9	21.1-159		%Rec	1	3/1/2016 2:58:13 PM	23983
EPA METHOD 8260B: VOLATILES						Analyst: **AG**	
Benzene	ND	1.0		µg/L	1	2/26/2016 6:39:45 AM	B32398
Toluene	ND	1.0		µg/L	1	2/26/2016 6:39:45 AM	B32398
Ethylbenzene	ND	1.0		µg/L	1	2/26/2016 6:39:45 AM	B32398
Methyl tert-butyl ether (MTBE)	66	1.0		µg/L	1	2/26/2016 6:39:45 AM	B32398
1,2,4-Trimethylbenzene	ND	1.0		µg/L	1	2/26/2016 6:39:45 AM	B32398
1,3,5-Trimethylbenzene	ND	1.0		µg/L	1	2/26/2016 6:39:45 AM	B32398
1,2-Dichloroethane (EDC)	ND	1.0		µg/L	1	2/26/2016 6:39:45 AM	B32398
1,2-Dibromoethane (EDB)	ND	1.0		µg/L	1	2/26/2016 6:39:45 AM	B32398
Naphthalene	ND	2.0		µg/L	1	2/26/2016 6:39:45 AM	B32398
1-Methylnaphthalene	ND	4.0		µg/L	1	2/26/2016 6:39:45 AM	B32398
2-Methylnaphthalene	ND	4.0		µg/L	1	2/26/2016 6:39:45 AM	B32398
Acetone	ND	10		µg/L	1	2/26/2016 6:39:45 AM	B32398
Bromobenzene	ND	1.0		µg/L	1	2/26/2016 6:39:45 AM	B32398
Bromodichloromethane	ND	1.0		µg/L	1	2/26/2016 6:39:45 AM	B32398

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

Qualifiers:

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

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Biotech Remediation, Inc. **Client Sample ID:** TW-45
Project: Thriftway #810 **Collection Date:** 2/23/2016 9:55:00 AM
Lab ID: 1602A05-002 **Matrix:** AQUEOUS **Received Date:** 2/24/2016 8:05:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8260B: VOLATILES						Analyst: **AG**	
Bromoform	ND	1.0		µg/L	1	2/26/2016 6:39:45 AM	B32398
Bromomethane	ND	3.0		µg/L	1	2/26/2016 6:39:45 AM	B32398
2-Butanone	ND	10		µg/L	1	2/26/2016 6:39:45 AM	B32398
Carbon disulfide	ND	10		µg/L	1	2/26/2016 6:39:45 AM	B32398
Carbon Tetrachloride	ND	1.0		µg/L	1	2/26/2016 6:39:45 AM	B32398
Chlorobenzene	ND	1.0		µg/L	1	2/26/2016 6:39:45 AM	B32398
Chloroethane	ND	2.0		µg/L	1	2/26/2016 6:39:45 AM	B32398
Chloroform	ND	1.0		µg/L	1	2/26/2016 6:39:45 AM	B32398
Chloromethane	ND	3.0		µg/L	1	2/26/2016 6:39:45 AM	B32398
2-Chlorotoluene	ND	1.0		µg/L	1	2/26/2016 6:39:45 AM	B32398
4-Chlorotoluene	ND	1.0		µg/L	1	2/26/2016 6:39:45 AM	B32398
cis-1,2-DCE	3.3	1.0		µg/L	1	2/26/2016 6:39:45 AM	B32398
cis-1,3-Dichloropropene	ND	1.0		µg/L	1	2/26/2016 6:39:45 AM	B32398
1,2-Dibromo-3-chloropropane	ND	2.0		µg/L	1	2/26/2016 6:39:45 AM	B32398
Dibromochloromethane	ND	1.0		µg/L	1	2/26/2016 6:39:45 AM	B32398
Dibromomethane	ND	1.0		µg/L	1	2/26/2016 6:39:45 AM	B32398
1,2-Dichlorobenzene	ND	1.0		µg/L	1	2/26/2016 6:39:45 AM	B32398
1,3-Dichlorobenzene	ND	1.0		µg/L	1	2/26/2016 6:39:45 AM	B32398
1,4-Dichlorobenzene	ND	1.0		µg/L	1	2/26/2016 6:39:45 AM	B32398
Dichlorodifluoromethane	ND	1.0		µg/L	1	2/26/2016 6:39:45 AM	B32398
1,1-Dichloroethane	ND	1.0		µg/L	1	2/26/2016 6:39:45 AM	B32398
1,1-Dichloroethene	ND	1.0		µg/L	1	2/26/2016 6:39:45 AM	B32398
1,2-Dichloropropane	ND	1.0		µg/L	1	2/26/2016 6:39:45 AM	B32398
1,3-Dichloropropane	ND	1.0		µg/L	1	2/26/2016 6:39:45 AM	B32398
2,2-Dichloropropane	ND	2.0		µg/L	1	2/26/2016 6:39:45 AM	B32398
1,1-Dichloropropene	ND	1.0		µg/L	1	2/26/2016 6:39:45 AM	B32398
Hexachlorobutadiene	ND	1.0		µg/L	1	2/26/2016 6:39:45 AM	B32398
2-Hexanone	ND	10		µg/L	1	2/26/2016 6:39:45 AM	B32398
Isopropylbenzene	ND	1.0		µg/L	1	2/26/2016 6:39:45 AM	B32398
4-Isopropyltoluene	ND	1.0		µg/L	1	2/26/2016 6:39:45 AM	B32398
4-Methyl-2-pentanone	ND	10		µg/L	1	2/26/2016 6:39:45 AM	B32398
Methylene Chloride	ND	3.0		µg/L	1	2/26/2016 6:39:45 AM	B32398
n-Butylbenzene	ND	3.0		µg/L	1	2/26/2016 6:39:45 AM	B32398
n-Propylbenzene	ND	1.0		µg/L	1	2/26/2016 6:39:45 AM	B32398
sec-Butylbenzene	ND	1.0		µg/L	1	2/26/2016 6:39:45 AM	B32398
Styrene	ND	1.0		µg/L	1	2/26/2016 6:39:45 AM	B32398
tert-Butylbenzene	ND	1.0		µg/L	1	2/26/2016 6:39:45 AM	B32398
1,1,1,2-Tetrachloroethane	ND	1.0		µg/L	1	2/26/2016 6:39:45 AM	B32398
1,1,2,2-Tetrachloroethane	ND	2.0		µg/L	1	2/26/2016 6:39:45 AM	B32398

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

Qualifiers:

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

CLIENT: Biotech Remediation, Inc. **Client Sample ID:** TW-45
Project: Thriftway #810 **Collection Date:** 2/23/2016 9:55:00 AM
Lab ID: 1602A05-002 **Matrix:** AQUEOUS **Received Date:** 2/24/2016 8:05:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8260B: VOLATILES						Analyst: **AG**	
Tetrachloroethene (PCE)	ND	1.0		µg/L	1	2/26/2016 6:39:45 AM	B32398
trans-1,2-DCE	ND	1.0		µg/L	1	2/26/2016 6:39:45 AM	B32398
trans-1,3-Dichloropropene	ND	1.0		µg/L	1	2/26/2016 6:39:45 AM	B32398
1,2,3-Trichlorobenzene	ND	1.0		µg/L	1	2/26/2016 6:39:45 AM	B32398
1,2,4-Trichlorobenzene	ND	1.0		µg/L	1	2/26/2016 6:39:45 AM	B32398
1,1,1-Trichloroethane	ND	1.0		µg/L	1	2/26/2016 6:39:45 AM	B32398
1,1,2-Trichloroethane	ND	1.0		µg/L	1	2/26/2016 6:39:45 AM	B32398
Trichloroethene (TCE)	ND	1.0		µg/L	1	2/26/2016 6:39:45 AM	B32398
Trichlorofluoromethane	ND	1.0		µg/L	1	2/26/2016 6:39:45 AM	B32398
1,2,3-Trichloropropane	ND	2.0		µg/L	1	2/26/2016 6:39:45 AM	B32398
Vinyl chloride	ND	1.0		µg/L	1	2/26/2016 6:39:45 AM	B32398
Xylenes, Total	ND	1.5		µg/L	1	2/26/2016 6:39:45 AM	B32398
Surr: 1,2-Dichloroethane-d4	93.6	70-130		%Rec	1	2/26/2016 6:39:45 AM	B32398
Surr: 4-Bromofluorobenzene	108	70-130		%Rec	1	2/26/2016 6:39:45 AM	B32398
Surr: Dibromofluoromethane	99.5	70-130		%Rec	1	2/26/2016 6:39:45 AM	B32398
Surr: Toluene-d8	97.4	70-130		%Rec	1	2/26/2016 6:39:45 AM	B32398

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

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D	Sample Diluted Due to Matrix	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
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R	RPD outside accepted recovery limits	RL	Reporting Detection Limit
S	% Recovery outside of range due to dilution or matrix	W	Sample container temperature is out of limit as specified

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Biotech Remediation, Inc. **Client Sample ID:** MW-20
Project: Thriftway #810 **Collection Date:** 2/23/2016 10:30:00 AM
Lab ID: 1602A05-003 **Matrix:** AQUEOUS **Received Date:** 2/24/2016 8:05:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analyst:	**LGT**
Fluoride	ND	0.50		mg/L	5	3/2/2016 4:37:24 PM	R32541
Chloride	250	50	*	mg/L	100	3/2/2016 4:49:49 PM	R32541
Bromide	ND	0.50		mg/L	5	2/24/2016 11:29:45 PM	A32395
Phosphorus, Orthophosphate (As P)	ND	2.5	H	mg/L	5	3/2/2016 4:37:24 PM	R32541
Sulfate	1900	50	*	mg/L	100	3/2/2016 4:49:49 PM	R32541
Nitrate+Nitrite as N	ND	1.0		mg/L	5	3/2/2016 6:04:18 PM	R32541
SM2510B: SPECIFIC CONDUCTANCE						Analyst:	**JRR**
Conductivity	5100	0.010		µmhos/cm	1	2/25/2016 3:38:40 PM	R32439
SM2320B: ALKALINITY						Analyst:	**JRR**
Bicarbonate (As CaCO3)	859.3	20.00		mg/L CaCO3	1	2/25/2016 3:38:40 PM	R32439
Carbonate (As CaCO3)	ND	2.000		mg/L CaCO3	1	2/25/2016 3:38:40 PM	R32439
Total Alkalinity (as CaCO3)	859.3	20.00		mg/L CaCO3	1	2/25/2016 3:38:40 PM	R32439
SM2540C MOD: TOTAL DISSOLVED SOLIDS						Analyst:	**KS**
Total Dissolved Solids	4180	200	*D	mg/L	1	2/26/2016 5:27:00 PM	23949
EPA METHOD 7470: MERCURY						Analyst:	**pmf**
Mercury	ND	0.00020		mg/L	1	2/26/2016 1:23:26 PM	23954
EPA METHOD 6010B: DISSOLVED METALS						Analyst:	**MED**
Calcium	320	10		mg/L	10	3/9/2016 12:28:15 PM	B32664
Lead	ND	0.0050		mg/L	1	3/9/2016 11:07:30 AM	B32664
Magnesium	44	1.0		mg/L	1	3/9/2016 11:07:30 AM	B32664
Potassium	3.6	1.0		mg/L	1	3/9/2016 11:07:30 AM	B32664
Sodium	1000	20		mg/L	20	3/9/2016 12:42:51 PM	B32664
EPA 6010B: TOTAL RECOVERABLE METALS						Analyst:	**MED**
Arsenic	ND	0.020		mg/L	1	2/26/2016 11:35:35 AM	23938
Barium	0.054	0.020		mg/L	1	2/26/2016 11:35:35 AM	23938
Cadmium	ND	0.0020		mg/L	1	2/26/2016 11:35:35 AM	23938
Chromium	ND	0.0060		mg/L	1	2/26/2016 11:35:35 AM	23938
Lead	ND	0.0050		mg/L	1	2/26/2016 11:35:35 AM	23938
Selenium	ND	0.050		mg/L	1	2/26/2016 11:35:35 AM	23938
Silver	ND	0.0050		mg/L	1	2/26/2016 11:35:35 AM	23938
EPA METHOD 8015M/D: DIESEL RANGE						Analyst:	**KJH**
Diesel Range Organics (DRO)	ND	1.0		mg/L	1	2/25/2016 5:03:00 PM	23932
Motor Oil Range Organics (MRO)	ND	5.0		mg/L	1	2/25/2016 5:03:00 PM	23932
Surr: DNOP	119	70-141		%Rec	1	2/25/2016 5:03:00 PM	23932
EPA METHOD 8015D: GASOLINE RANGE						Analyst:	**NSB**

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

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Biotech Remediation, Inc. **Client Sample ID:** MW-20
Project: Thriftway #810 **Collection Date:** 2/23/2016 10:30:00 AM
Lab ID: 1602A05-003 **Matrix:** AQUEOUS **Received Date:** 2/24/2016 8:05:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **NSB**	
Gasoline Range Organics (GRO)	0.81	0.050		mg/L	1	2/25/2016 11:38:46 AM	R32416
Surr: BFB	101	49.5-130		%Rec	1	2/25/2016 11:38:46 AM	R32416
EPA METHOD 8270C: PAHS						Analyst: **DAM**	
Naphthalene	ND	0.50		µg/L	1	3/1/2016 3:22:27 PM	23983
1-Methylnaphthalene	ND	0.50		µg/L	1	3/1/2016 3:22:27 PM	23983
2-Methylnaphthalene	ND	0.50		µg/L	1	3/1/2016 3:22:27 PM	23983
Acenaphthylene	ND	0.50		µg/L	1	3/1/2016 3:22:27 PM	23983
Acenaphthene	ND	0.50		µg/L	1	3/1/2016 3:22:27 PM	23983
Fluorene	1.3	0.50		µg/L	1	3/1/2016 3:22:27 PM	23983
Phenanthrene	ND	0.50		µg/L	1	3/1/2016 3:22:27 PM	23983
Anthracene	ND	0.50		µg/L	1	3/1/2016 3:22:27 PM	23983
Fluoranthene	ND	0.50		µg/L	1	3/1/2016 3:22:27 PM	23983
Pyrene	ND	0.50		µg/L	1	3/1/2016 3:22:27 PM	23983
Benz(a)anthracene	ND	0.50		µg/L	1	3/1/2016 3:22:27 PM	23983
Chrysene	ND	0.50		µg/L	1	3/1/2016 3:22:27 PM	23983
Benzo(b)fluoranthene	ND	0.50		µg/L	1	3/1/2016 3:22:27 PM	23983
Benzo(k)fluoranthene	ND	0.50		µg/L	1	3/1/2016 3:22:27 PM	23983
Benzo(a)pyrene	ND	0.50		µg/L	1	3/1/2016 3:22:27 PM	23983
Dibenz(a,h)anthracene	ND	0.50		µg/L	1	3/1/2016 3:22:27 PM	23983
Benzo(g,h,i)perylene	ND	0.50		µg/L	1	3/1/2016 3:22:27 PM	23983
Indeno(1,2,3-cd)pyrene	ND	0.50		µg/L	1	3/1/2016 3:22:27 PM	23983
Surr: N-hexadecane	38.5	20.2-162		%Rec	1	3/1/2016 3:22:27 PM	23983
Surr: Benzo(e)pyrene	27.0	21.1-159		%Rec	1	3/1/2016 3:22:27 PM	23983
EPA METHOD 8260B: VOLATILES						Analyst: **AG**	
Benzene	ND	1.0		µg/L	1	2/26/2016 7:08:33 AM	B32398
Toluene	ND	1.0		µg/L	1	2/26/2016 7:08:33 AM	B32398
Ethylbenzene	ND	1.0		µg/L	1	2/26/2016 7:08:33 AM	B32398
Methyl tert-butyl ether (MTBE)	110	1.0		µg/L	1	2/26/2016 7:08:33 AM	B32398
1,2,4-Trimethylbenzene	ND	1.0		µg/L	1	2/26/2016 7:08:33 AM	B32398
1,3,5-Trimethylbenzene	ND	1.0		µg/L	1	2/26/2016 7:08:33 AM	B32398
1,2-Dichloroethane (EDC)	ND	1.0		µg/L	1	2/26/2016 7:08:33 AM	B32398
1,2-Dibromoethane (EDB)	ND	1.0		µg/L	1	2/26/2016 7:08:33 AM	B32398
Naphthalene	ND	2.0		µg/L	1	2/26/2016 7:08:33 AM	B32398
1-Methylnaphthalene	ND	4.0		µg/L	1	2/26/2016 7:08:33 AM	B32398
2-Methylnaphthalene	ND	4.0		µg/L	1	2/26/2016 7:08:33 AM	B32398
Acetone	ND	10		µg/L	1	2/26/2016 7:08:33 AM	B32398
Bromobenzene	ND	1.0		µg/L	1	2/26/2016 7:08:33 AM	B32398
Bromodichloromethane	ND	1.0		µg/L	1	2/26/2016 7:08:33 AM	B32398

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

Qualifiers:

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

CLIENT: Biotech Remediation, Inc. **Client Sample ID:** MW-20
Project: Thriftway #810 **Collection Date:** 2/23/2016 10:30:00 AM
Lab ID: 1602A05-003 **Matrix:** AQUEOUS **Received Date:** 2/24/2016 8:05:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8260B: VOLATILES						Analyst: **AG**	
Bromoform	ND	1.0		µg/L	1	2/26/2016 7:08:33 AM	B32398
Bromomethane	ND	3.0		µg/L	1	2/26/2016 7:08:33 AM	B32398
2-Butanone	ND	10		µg/L	1	2/26/2016 7:08:33 AM	B32398
Carbon disulfide	ND	10		µg/L	1	2/26/2016 7:08:33 AM	B32398
Carbon Tetrachloride	ND	1.0		µg/L	1	2/26/2016 7:08:33 AM	B32398
Chlorobenzene	ND	1.0		µg/L	1	2/26/2016 7:08:33 AM	B32398
Chloroethane	ND	2.0		µg/L	1	2/26/2016 7:08:33 AM	B32398
Chloroform	ND	1.0		µg/L	1	2/26/2016 7:08:33 AM	B32398
Chloromethane	ND	3.0		µg/L	1	2/26/2016 7:08:33 AM	B32398
2-Chlorotoluene	ND	1.0		µg/L	1	2/26/2016 7:08:33 AM	B32398
4-Chlorotoluene	ND	1.0		µg/L	1	2/26/2016 7:08:33 AM	B32398
cis-1,2-DCE	ND	1.0		µg/L	1	2/26/2016 7:08:33 AM	B32398
cis-1,3-Dichloropropene	ND	1.0		µg/L	1	2/26/2016 7:08:33 AM	B32398
1,2-Dibromo-3-chloropropane	ND	2.0		µg/L	1	2/26/2016 7:08:33 AM	B32398
Dibromochloromethane	ND	1.0		µg/L	1	2/26/2016 7:08:33 AM	B32398
Dibromomethane	ND	1.0		µg/L	1	2/26/2016 7:08:33 AM	B32398
1,2-Dichlorobenzene	ND	1.0		µg/L	1	2/26/2016 7:08:33 AM	B32398
1,3-Dichlorobenzene	ND	1.0		µg/L	1	2/26/2016 7:08:33 AM	B32398
1,4-Dichlorobenzene	ND	1.0		µg/L	1	2/26/2016 7:08:33 AM	B32398
Dichlorodifluoromethane	ND	1.0		µg/L	1	2/26/2016 7:08:33 AM	B32398
1,1-Dichloroethane	ND	1.0		µg/L	1	2/26/2016 7:08:33 AM	B32398
1,1-Dichloroethene	ND	1.0		µg/L	1	2/26/2016 7:08:33 AM	B32398
1,2-Dichloropropane	ND	1.0		µg/L	1	2/26/2016 7:08:33 AM	B32398
1,3-Dichloropropane	ND	1.0		µg/L	1	2/26/2016 7:08:33 AM	B32398
2,2-Dichloropropane	ND	2.0		µg/L	1	2/26/2016 7:08:33 AM	B32398
1,1-Dichloropropene	ND	1.0		µg/L	1	2/26/2016 7:08:33 AM	B32398
Hexachlorobutadiene	ND	1.0		µg/L	1	2/26/2016 7:08:33 AM	B32398
2-Hexanone	ND	10		µg/L	1	2/26/2016 7:08:33 AM	B32398
Isopropylbenzene	ND	1.0		µg/L	1	2/26/2016 7:08:33 AM	B32398
4-Isopropyltoluene	ND	1.0		µg/L	1	2/26/2016 7:08:33 AM	B32398
4-Methyl-2-pentanone	ND	10		µg/L	1	2/26/2016 7:08:33 AM	B32398
Methylene Chloride	ND	3.0		µg/L	1	2/26/2016 7:08:33 AM	B32398
n-Butylbenzene	ND	3.0		µg/L	1	2/26/2016 7:08:33 AM	B32398
n-Propylbenzene	ND	1.0		µg/L	1	2/26/2016 7:08:33 AM	B32398
sec-Butylbenzene	ND	1.0		µg/L	1	2/26/2016 7:08:33 AM	B32398
Styrene	ND	1.0		µg/L	1	2/26/2016 7:08:33 AM	B32398
tert-Butylbenzene	1.4	1.0		µg/L	1	2/26/2016 7:08:33 AM	B32398
1,1,1,2-Tetrachloroethane	ND	1.0		µg/L	1	2/26/2016 7:08:33 AM	B32398
1,1,2,2-Tetrachloroethane	ND	2.0		µg/L	1	2/26/2016 7:08:33 AM	B32398

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

Qualifiers:

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

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Biotech Remediation, Inc. **Client Sample ID:** MW-20
Project: Thriftway #810 **Collection Date:** 2/23/2016 10:30:00 AM
Lab ID: 1602A05-003 **Matrix:** AQUEOUS **Received Date:** 2/24/2016 8:05:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8260B: VOLATILES						Analyst: **AG**	
Tetrachloroethene (PCE)	ND	1.0		µg/L	1	2/26/2016 7:08:33 AM	B32398
trans-1,2-DCE	ND	1.0		µg/L	1	2/26/2016 7:08:33 AM	B32398
trans-1,3-Dichloropropene	ND	1.0		µg/L	1	2/26/2016 7:08:33 AM	B32398
1,2,3-Trichlorobenzene	ND	1.0		µg/L	1	2/26/2016 7:08:33 AM	B32398
1,2,4-Trichlorobenzene	ND	1.0		µg/L	1	2/26/2016 7:08:33 AM	B32398
1,1,1-Trichloroethane	ND	1.0		µg/L	1	2/26/2016 7:08:33 AM	B32398
1,1,2-Trichloroethane	ND	1.0		µg/L	1	2/26/2016 7:08:33 AM	B32398
Trichloroethene (TCE)	ND	1.0		µg/L	1	2/26/2016 7:08:33 AM	B32398
Trichlorofluoromethane	ND	1.0		µg/L	1	2/26/2016 7:08:33 AM	B32398
1,2,3-Trichloropropane	ND	2.0		µg/L	1	2/26/2016 7:08:33 AM	B32398
Vinyl chloride	ND	1.0		µg/L	1	2/26/2016 7:08:33 AM	B32398
Xylenes, Total	ND	1.5		µg/L	1	2/26/2016 7:08:33 AM	B32398
Surr: 1,2-Dichloroethane-d4	86.9	70-130		%Rec	1	2/26/2016 7:08:33 AM	B32398
Surr: 4-Bromofluorobenzene	105	70-130		%Rec	1	2/26/2016 7:08:33 AM	B32398
Surr: Dibromofluoromethane	101	70-130		%Rec	1	2/26/2016 7:08:33 AM	B32398
Surr: Toluene-d8	99.0	70-130		%Rec	1	2/26/2016 7:08:33 AM	B32398

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

Qualifiers:

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

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Biotech Remediation, Inc. **Client Sample ID:** TW-46
Project: Thriftway #810 **Collection Date:** 2/23/2016 11:05:00 AM
Lab ID: 1602A05-004 **Matrix:** AQUEOUS **Received Date:** 2/24/2016 8:05:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analyst:	**LGT**
Fluoride	ND	0.50		mg/L	5	3/2/2016 5:02:14 PM	R32541
Chloride	510	50	*	mg/L	100	3/2/2016 5:14:39 PM	R32541
Bromide	1.3	0.50		mg/L	5	2/24/2016 11:54:33 PM	A32395
Phosphorus, Orthophosphate (As P)	ND	2.5	H	mg/L	5	3/2/2016 5:02:14 PM	R32541
Sulfate	2100	50	*	mg/L	100	3/2/2016 5:14:39 PM	R32541
Nitrate+Nitrite as N	ND	1.0		mg/L	5	3/2/2016 6:16:42 PM	R32541
SM2510B: SPECIFIC CONDUCTANCE						Analyst:	**JRR**
Conductivity	6400	0.010		µmhos/cm	1	2/25/2016 4:10:02 PM	R32439
SM2320B: ALKALINITY						Analyst:	**JRR**
Bicarbonate (As CaCO3)	952.3	20.00		mg/L CaCO3	1	2/25/2016 4:10:02 PM	R32439
Carbonate (As CaCO3)	ND	2.000		mg/L CaCO3	1	2/25/2016 4:10:02 PM	R32439
Total Alkalinity (as CaCO3)	952.3	20.00		mg/L CaCO3	1	2/25/2016 4:10:02 PM	R32439
SM2540C MOD: TOTAL DISSOLVED SOLIDS						Analyst:	**KS**
Total Dissolved Solids	4940	200	*D	mg/L	1	2/26/2016 5:27:00 PM	23949
EPA METHOD 7470: MERCURY						Analyst:	**pmf**
Mercury	ND	0.00020		mg/L	1	2/26/2016 1:25:31 PM	23954
EPA METHOD 6010B: DISSOLVED METALS						Analyst:	**MED**
Calcium	350	20		mg/L	20	3/9/2016 12:29:51 PM	B32664
Lead	ND	0.0050		mg/L	1	3/9/2016 11:09:16 AM	B32664
Magnesium	58	1.0		mg/L	1	3/9/2016 11:09:16 AM	B32664
Potassium	4.4	1.0		mg/L	1	3/9/2016 11:09:16 AM	B32664
Sodium	1400	20		mg/L	20	3/9/2016 12:29:51 PM	B32664
EPA 6010B: TOTAL RECOVERABLE METALS						Analyst:	**MED**
Arsenic	0.027	0.020		mg/L	1	2/26/2016 11:36:54 AM	23938
Barium	0.17	0.020		mg/L	1	2/26/2016 11:36:54 AM	23938
Cadmium	ND	0.0020		mg/L	1	2/26/2016 11:36:54 AM	23938
Chromium	ND	0.0060		mg/L	1	2/26/2016 11:36:54 AM	23938
Lead	ND	0.0050		mg/L	1	2/26/2016 11:36:54 AM	23938
Selenium	ND	0.050		mg/L	1	2/26/2016 11:36:54 AM	23938
Silver	ND	0.0050		mg/L	1	2/26/2016 11:36:54 AM	23938
EPA METHOD 8015M/D: DIESEL RANGE						Analyst:	**KJH**
Diesel Range Organics (DRO)	ND	1.0		mg/L	1	2/25/2016 5:24:55 PM	23932
Motor Oil Range Organics (MRO)	ND	5.0		mg/L	1	2/25/2016 5:24:55 PM	23932
Surr: DNOP	119	70-141		%Rec	1	2/25/2016 5:24:55 PM	23932
EPA METHOD 8015D: GASOLINE RANGE						Analyst:	**NSB**

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

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Biotech Remediation, Inc. **Client Sample ID:** TW-46
Project: Thriftway #810 **Collection Date:** 2/23/2016 11:05:00 AM
Lab ID: 1602A05-004 **Matrix:** AQUEOUS **Received Date:** 2/24/2016 8:05:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **NSB**	
Gasoline Range Organics (GRO)	ND	0.10	D	mg/L	2	2/25/2016 12:03:32 PM	R32416
Surr: BFB	92.8	49.5-130	D	%Rec	2	2/25/2016 12:03:32 PM	R32416
EPA METHOD 8270C: PAHS						Analyst: **DAM**	
Naphthalene	ND	0.50		µg/L	1	3/1/2016 3:46:40 PM	23983
1-Methylnaphthalene	ND	0.50		µg/L	1	3/1/2016 3:46:40 PM	23983
2-Methylnaphthalene	ND	0.50		µg/L	1	3/1/2016 3:46:40 PM	23983
Acenaphthylene	ND	0.50		µg/L	1	3/1/2016 3:46:40 PM	23983
Acenaphthene	ND	0.50		µg/L	1	3/1/2016 3:46:40 PM	23983
Fluorene	ND	0.50		µg/L	1	3/1/2016 3:46:40 PM	23983
Phenanthrene	ND	0.50		µg/L	1	3/1/2016 3:46:40 PM	23983
Anthracene	ND	0.50		µg/L	1	3/1/2016 3:46:40 PM	23983
Fluoranthene	ND	0.50		µg/L	1	3/1/2016 3:46:40 PM	23983
Pyrene	ND	0.50		µg/L	1	3/1/2016 3:46:40 PM	23983
Benz(a)anthracene	ND	0.50		µg/L	1	3/1/2016 3:46:40 PM	23983
Chrysene	ND	0.50		µg/L	1	3/1/2016 3:46:40 PM	23983
Benzo(b)fluoranthene	ND	0.50		µg/L	1	3/1/2016 3:46:40 PM	23983
Benzo(k)fluoranthene	ND	0.50		µg/L	1	3/1/2016 3:46:40 PM	23983
Benzo(a)pyrene	ND	0.50		µg/L	1	3/1/2016 3:46:40 PM	23983
Dibenz(a,h)anthracene	ND	0.50		µg/L	1	3/1/2016 3:46:40 PM	23983
Benzo(g,h,i)perylene	ND	0.50		µg/L	1	3/1/2016 3:46:40 PM	23983
Indeno(1,2,3-cd)pyrene	ND	0.50		µg/L	1	3/1/2016 3:46:40 PM	23983
Surr: N-hexadecane	42.0	20.2-162		%Rec	1	3/1/2016 3:46:40 PM	23983
Surr: Benzo(e)pyrene	28.5	21.1-159		%Rec	1	3/1/2016 3:46:40 PM	23983
EPA METHOD 8260B: VOLATILES						Analyst: **AG**	
Benzene	ND	1.0		µg/L	1	2/26/2016 5:10:10 PM	R32448
Toluene	ND	1.0		µg/L	1	2/26/2016 5:10:10 PM	R32448
Ethylbenzene	ND	1.0		µg/L	1	2/26/2016 5:10:10 PM	R32448
Methyl tert-butyl ether (MTBE)	17	1.0		µg/L	1	2/26/2016 5:10:10 PM	R32448
1,2,4-Trimethylbenzene	ND	1.0		µg/L	1	2/26/2016 5:10:10 PM	R32448
1,3,5-Trimethylbenzene	ND	1.0		µg/L	1	2/26/2016 5:10:10 PM	R32448
1,2-Dichloroethane (EDC)	ND	1.0		µg/L	1	2/26/2016 5:10:10 PM	R32448
1,2-Dibromoethane (EDB)	ND	1.0		µg/L	1	2/26/2016 5:10:10 PM	R32448
Naphthalene	ND	2.0		µg/L	1	2/26/2016 5:10:10 PM	R32448
1-Methylnaphthalene	ND	4.0		µg/L	1	2/26/2016 5:10:10 PM	R32448
2-Methylnaphthalene	ND	4.0		µg/L	1	2/26/2016 5:10:10 PM	R32448
Acetone	ND	10		µg/L	1	2/26/2016 5:10:10 PM	R32448
Bromobenzene	ND	1.0		µg/L	1	2/26/2016 5:10:10 PM	R32448
Bromodichloromethane	ND	1.0		µg/L	1	2/26/2016 5:10:10 PM	R32448

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

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

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Biotech Remediation, Inc. **Client Sample ID:** TW-46
Project: Thriftway #810 **Collection Date:** 2/23/2016 11:05:00 AM
Lab ID: 1602A05-004 **Matrix:** AQUEOUS **Received Date:** 2/24/2016 8:05:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8260B: VOLATILES						Analyst: **AG**	
Bromoform	ND	1.0		µg/L	1	2/26/2016 5:10:10 PM	R32448
Bromomethane	ND	3.0		µg/L	1	2/26/2016 5:10:10 PM	R32448
2-Butanone	ND	10		µg/L	1	2/26/2016 5:10:10 PM	R32448
Carbon disulfide	ND	10		µg/L	1	2/26/2016 5:10:10 PM	R32448
Carbon Tetrachloride	ND	1.0		µg/L	1	2/26/2016 5:10:10 PM	R32448
Chlorobenzene	ND	1.0		µg/L	1	2/26/2016 5:10:10 PM	R32448
Chloroethane	ND	2.0		µg/L	1	2/26/2016 5:10:10 PM	R32448
Chloroform	ND	1.0		µg/L	1	2/26/2016 5:10:10 PM	R32448
Chloromethane	ND	3.0		µg/L	1	2/26/2016 5:10:10 PM	R32448
2-Chlorotoluene	ND	1.0		µg/L	1	2/26/2016 5:10:10 PM	R32448
4-Chlorotoluene	ND	1.0		µg/L	1	2/26/2016 5:10:10 PM	R32448
cis-1,2-DCE	ND	1.0		µg/L	1	2/26/2016 5:10:10 PM	R32448
cis-1,3-Dichloropropene	ND	1.0		µg/L	1	2/26/2016 5:10:10 PM	R32448
1,2-Dibromo-3-chloropropane	ND	2.0		µg/L	1	2/26/2016 5:10:10 PM	R32448
Dibromochloromethane	ND	1.0		µg/L	1	2/26/2016 5:10:10 PM	R32448
Dibromomethane	ND	1.0		µg/L	1	2/26/2016 5:10:10 PM	R32448
1,2-Dichlorobenzene	ND	1.0		µg/L	1	2/26/2016 5:10:10 PM	R32448
1,3-Dichlorobenzene	ND	1.0		µg/L	1	2/26/2016 5:10:10 PM	R32448
1,4-Dichlorobenzene	ND	1.0		µg/L	1	2/26/2016 5:10:10 PM	R32448
Dichlorodifluoromethane	ND	1.0		µg/L	1	2/26/2016 5:10:10 PM	R32448
1,1-Dichloroethane	ND	1.0		µg/L	1	2/26/2016 5:10:10 PM	R32448
1,1-Dichloroethene	ND	1.0		µg/L	1	2/26/2016 5:10:10 PM	R32448
1,2-Dichloropropane	ND	1.0		µg/L	1	2/26/2016 5:10:10 PM	R32448
1,3-Dichloropropane	ND	1.0		µg/L	1	2/26/2016 5:10:10 PM	R32448
2,2-Dichloropropane	ND	2.0		µg/L	1	2/26/2016 5:10:10 PM	R32448
1,1-Dichloropropene	ND	1.0		µg/L	1	2/26/2016 5:10:10 PM	R32448
Hexachlorobutadiene	ND	1.0		µg/L	1	2/26/2016 5:10:10 PM	R32448
2-Hexanone	ND	10		µg/L	1	2/26/2016 5:10:10 PM	R32448
Isopropylbenzene	ND	1.0		µg/L	1	2/26/2016 5:10:10 PM	R32448
4-Isopropyltoluene	ND	1.0		µg/L	1	2/26/2016 5:10:10 PM	R32448
4-Methyl-2-pentanone	ND	10		µg/L	1	2/26/2016 5:10:10 PM	R32448
Methylene Chloride	ND	3.0		µg/L	1	2/26/2016 5:10:10 PM	R32448
n-Butylbenzene	ND	3.0		µg/L	1	2/26/2016 5:10:10 PM	R32448
n-Propylbenzene	ND	1.0		µg/L	1	2/26/2016 5:10:10 PM	R32448
sec-Butylbenzene	ND	1.0		µg/L	1	2/26/2016 5:10:10 PM	R32448
Styrene	ND	1.0		µg/L	1	2/26/2016 5:10:10 PM	R32448
tert-Butylbenzene	ND	1.0		µg/L	1	2/26/2016 5:10:10 PM	R32448
1,1,1,2-Tetrachloroethane	ND	1.0		µg/L	1	2/26/2016 5:10:10 PM	R32448
1,1,2,2-Tetrachloroethane	ND	2.0		µg/L	1	2/26/2016 5:10:10 PM	R32448

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

Qualifiers:

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R	RPD outside accepted recovery limits	RL	Reporting Detection Limit
S	% Recovery outside of range due to dilution or matrix	W	Sample container temperature is out of limit as specified

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Biotech Remediation, Inc. **Client Sample ID:** TW-46
Project: Thriftway #810 **Collection Date:** 2/23/2016 11:05:00 AM
Lab ID: 1602A05-004 **Matrix:** AQUEOUS **Received Date:** 2/24/2016 8:05:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8260B: VOLATILES						Analyst: **AG**	
Tetrachloroethene (PCE)	ND	1.0		µg/L	1	2/26/2016 5:10:10 PM	R32448
trans-1,2-DCE	ND	1.0		µg/L	1	2/26/2016 5:10:10 PM	R32448
trans-1,3-Dichloropropene	ND	1.0		µg/L	1	2/26/2016 5:10:10 PM	R32448
1,2,3-Trichlorobenzene	ND	1.0		µg/L	1	2/26/2016 5:10:10 PM	R32448
1,2,4-Trichlorobenzene	ND	1.0		µg/L	1	2/26/2016 5:10:10 PM	R32448
1,1,1-Trichloroethane	ND	1.0		µg/L	1	2/26/2016 5:10:10 PM	R32448
1,1,2-Trichloroethane	ND	1.0		µg/L	1	2/26/2016 5:10:10 PM	R32448
Trichloroethene (TCE)	ND	1.0		µg/L	1	2/26/2016 5:10:10 PM	R32448
Trichlorofluoromethane	ND	1.0		µg/L	1	2/26/2016 5:10:10 PM	R32448
1,2,3-Trichloropropane	ND	2.0		µg/L	1	2/26/2016 5:10:10 PM	R32448
Vinyl chloride	ND	1.0		µg/L	1	2/26/2016 5:10:10 PM	R32448
Xylenes, Total	ND	1.5		µg/L	1	2/26/2016 5:10:10 PM	R32448
Surr: 1,2-Dichloroethane-d4	104	70-130		%Rec	1	2/26/2016 5:10:10 PM	R32448
Surr: 4-Bromofluorobenzene	107	70-130		%Rec	1	2/26/2016 5:10:10 PM	R32448
Surr: Dibromofluoromethane	115	70-130		%Rec	1	2/26/2016 5:10:10 PM	R32448
Surr: Toluene-d8	103	70-130		%Rec	1	2/26/2016 5:10:10 PM	R32448

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

Qualifiers:

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QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: **1602A05**

10-Mar-16

Client: Biotech Remediation, Inc.

Project: Thriftway #810

Sample ID **MB**	SampType: **MBLK**	TestCode: **EPA Method 300.0: Anions**
Client ID: **PBW**	Batch ID: **A32395**	RunNo: **32395**
Prep Date:	Analysis Date: **2/24/2016**	SeqNo: **990582** Units: **mg/L**

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

Sample ID **LCS**	SampType: **LCS**	TestCode: **EPA Method 300.0: Anions**
Client ID: **LCSW**	Batch ID: **A32395**	RunNo: **32395**
Prep Date:	Analysis Date: **2/24/2016**	SeqNo: **990583** Units: **mg/L**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Fluoride	0.49	0.10	0.5000	0	98.8	90	110			
Nitrogen, Nitrite (As N)	0.92	0.10	1.000	0	91.8	90	110			
Bromide	2.4	0.10	2.500	0	95.1	90	110			
Nitrogen, Nitrate (As N)	2.4	0.10	2.500	0	94.8	90	110			

Sample ID **1602A05-001EMS**	SampType: **MS**	TestCode: **EPA Method 300.0: Anions**
Client ID: **TW-34**	Batch ID: **A32395**	RunNo: **32395**
Prep Date:	Analysis Date: **2/24/2016**	SeqNo: **990595** Units: **mg/L**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Fluoride	3.6	0.50	2.500	0.8550	109	71.4	120			
Nitrogen, Nitrite (As N)	4.3	0.50	5.000	0	85.2	63.1	112			
Bromide	11	0.50	12.50	0	87.2	74.9	117			
Nitrogen, Nitrate (As N)	12	0.50	12.50	0	94.2	87.3	111			

Sample ID **1602A05-001EMSD**	SampType: **MSD**	TestCode: **EPA Method 300.0: Anions**
Client ID: **TW-34**	Batch ID: **A32395**	RunNo: **32395**
Prep Date:	Analysis Date: **2/24/2016**	SeqNo: **990596** Units: **mg/L**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Fluoride	3.5	0.50	2.500	0.8550	104	71.4	120	3.54	20	
Nitrogen, Nitrite (As N)	4.3	0.50	5.000	0	86.3	63.1	112	1.28	20	
Bromide	11	0.50	12.50	0	91.4	74.9	117	4.71	20	
Nitrogen, Nitrate (As N)	12	0.50	12.50	0	96.3	87.3	111	2.18	20	

Sample ID **MB**	SampType: **MBLK**	TestCode: **EPA Method 300.0: Anions**
Client ID: **PBW**	Batch ID: **R32541**	RunNo: **32541**
Prep Date:	Analysis Date: **3/2/2016**	SeqNo: **995627** 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
R	RPD outside accepted recovery limits	RL	Reporting Detection Limit
S	% Recovery outside of range due to dilution or matrix	W	Sample container temperature is out of limit as specified

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: **1602A05**

10-Mar-16

Client: Biotech Remediation, Inc.

Project: Thriftway #810

Sample ID **MB**	SampType: **MBLK**	TestCode: **EPA Method 300.0: Anions**
Client ID: **PBW**	Batch ID: **R32541**	RunNo: **32541**
Prep Date:	Analysis Date: **3/2/2016**	SeqNo: **995627** Units: **mg/L**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Fluoride	ND	0.10								
Chloride	ND	0.50								
Phosphorus, Orthophosphate (As P	ND	0.50								
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: **R32541**	RunNo: **32541**
Prep Date:	Analysis Date: **3/2/2016**	SeqNo: **995628** Units: **mg/L**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Fluoride	0.51	0.10	0.5000	0	102	90	110			
Chloride	4.8	0.50	5.000	0	96.3	90	110			
Phosphorus, Orthophosphate (As P	4.9	0.50	5.000	0	97.0	90	110			
Sulfate	9.9	0.50	10.00	0	98.7	90	110			
Nitrate+Nitrite as N	3.5	0.20	3.500	0	100	90	110			

Qualifiers:

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

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: **1602A05**

10-Mar-16

Client: Biotech Remediation, Inc.

Project: Thriftway #810

Sample ID **MB-23932**	SampType: **MBLK**	TestCode: **EPA Method 8015M/D: Diesel Range**
Client ID: **PBW**	Batch ID: **23932**	RunNo: **32388**
Prep Date: **2/25/2016**	Analysis Date: **2/25/2016**	SeqNo: **990951** Units: **mg/L**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	ND	1.0								
Motor Oil Range Organics (MRO)	ND	5.0								
Surr: DNOP	1.2		1.000		116	70	141			

Sample ID **1602A05-001CMS**	SampType: **MS**	TestCode: **EPA Method 8015M/D: Diesel Range**
Client ID: **TW-34**	Batch ID: **23932**	RunNo: **32422**
Prep Date: **2/25/2016**	Analysis Date: **2/26/2016**	SeqNo: **991570** Units: **mg/L**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	6.0	1.0	5.000	0	120	59.4	160			
Surr: DNOP	0.57		0.5000		114	70	141			

Sample ID **1602A05-001CMSD**	SampType: **MSD**	TestCode: **EPA Method 8015M/D: Diesel Range**
Client ID: **TW-34**	Batch ID: **23932**	RunNo: **32422**
Prep Date: **2/25/2016**	Analysis Date: **2/26/2016**	SeqNo: **991572** Units: **mg/L**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	6.2	1.0	5.000	0	123	59.4	160	3.04	20	
Surr: DNOP	0.58		0.5000		116	70	141	0	0	

Sample ID **LCS-23932**	SampType: **LCS**	TestCode: **EPA Method 8015M/D: Diesel Range**
Client ID: **LCSW**	Batch ID: **23932**	RunNo: **32422**
Prep Date: **2/25/2016**	Analysis Date: **2/26/2016**	SeqNo: **991575** Units: **mg/L**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	5.7	1.0	5.000	0	114	71.3	139			
Surr: DNOP	0.53		0.5000		106	70	141			

Qualifiers:

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

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: **1602A05**

10-Mar-16

Client: Biotech Remediation, Inc.

Project: Thriftway #810

Sample ID	**5ML RB**	SampType:	**MBLK**	TestCode:	**EPA Method 8015D: Gasoline Range**					
Client ID:	**PBW**	Batch ID:	**R32416**	RunNo:	**32416**					
Prep Date:		Analysis Date:	**2/25/2016**	SeqNo:	**991284**	Units:	**mg/L**			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	ND	0.050								
Surr: BFB	17		20.00		86.1	49.5	130			

Sample ID	**2.5UG GRO LCS**	SampType:	**LCS**	TestCode:	**EPA Method 8015D: Gasoline Range**					
Client ID:	**LCSW**	Batch ID:	**R32416**	RunNo:	**32416**					
Prep Date:		Analysis Date:	**2/25/2016**	SeqNo:	**991285**	Units:	**mg/L**			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	0.46	0.050	0.5000	0	92.2	80	120			
Surr: BFB	20		20.00		102	49.5	130			

Qualifiers:

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

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: **1602A05**

10-Mar-16

Client: Biotech Remediation, Inc.

Project: Thriftway #810

Sample ID **100ng lcs**	SampType: **LCS**	TestCode: **EPA Method 8260B: VOLATILES**
Client ID: **LCSW**	Batch ID: **R32398**	RunNo: **32398**
Prep Date:	Analysis Date: **2/25/2016**	SeqNo: **990636** Units: **%Rec**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: 1,2-Dichloroethane-d4	10		10.00		101	70	130			
Surr: 4-Bromofluorobenzene	10		10.00		99.5	70	130			
Surr: Dibromofluoromethane	11		10.00		112	70	130			
Surr: Toluene-d8	10		10.00		101	70	130			

Sample ID **rb**	SampType: **MBLK**	TestCode: **EPA Method 8260B: VOLATILES**
Client ID: **PBW**	Batch ID: **R32398**	RunNo: **32398**
Prep Date:	Analysis Date: **2/25/2016**	SeqNo: **990637** Units: **%Rec**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: 1,2-Dichloroethane-d4	9.9		10.00		98.6	70	130			
Surr: 4-Bromofluorobenzene	11		10.00		106	70	130			
Surr: Dibromofluoromethane	11		10.00		112	70	130			
Surr: Toluene-d8	10		10.00		103	70	130			

Sample ID **rb4**	SampType: **MBLK**	TestCode: **EPA Method 8260B: VOLATILES**
Client ID: **PBW**	Batch ID: **B32398**	RunNo: **32398**
Prep Date:	Analysis Date: **2/25/2016**	SeqNo: **991408** 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								

Qualifiers:

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

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: **1602A05**

10-Mar-16

Client: Biotech Remediation, Inc.

Project: Thriftway #810

Sample ID **rb4**	SampType: **MBLK**	TestCode: **EPA Method 8260B: VOLATILES**
Client ID: **PBW**	Batch ID: **B32398**	RunNo: **32398**
Prep Date:	Analysis Date: **2/25/2016**	SeqNo: **991408** Units: **µg/L**

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

Qualifiers:

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

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: **1602A05**

10-Mar-16

Client: Biotech Remediation, Inc.

Project: Thriftway #810

Sample ID **rb4**	SampType: **MBLK**	TestCode: **EPA Method 8260B: VOLATILES**
Client ID: **PBW**	Batch ID: **B32398**	RunNo: **32398**
Prep Date:	Analysis Date: **2/25/2016**	SeqNo: **991408** Units: **µg/L**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
1,1,2-Trichloroethane	ND	1.0								
Trichloroethene (TCE)	ND	1.0								
Trichlorofluoromethane	ND	1.0								
1,2,3-Trichloropropane	ND	2.0								
Vinyl chloride	ND	1.0								
Xylenes, Total	ND	1.5								
Surr: 1,2-Dichloroethane-d4	9.8		10.00		98.3	70	130			
Surr: 4-Bromofluorobenzene	10		10.00		101	70	130			
Surr: Dibromofluoromethane	11		10.00		106	70	130			
Surr: Toluene-d8	11		10.00		109	70	130			

Sample ID **100ng lcs2**	SampType: **LCS**	TestCode: **EPA Method 8260B: VOLATILES**
Client ID: **LCSW**	Batch ID: **B32398**	RunNo: **32398**
Prep Date:	Analysis Date: **2/25/2016**	SeqNo: **991567** Units: **µg/L**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	22	1.0	20.00	0	109	70	130			
Toluene	20	1.0	20.00	0	101	70	130			
Chlorobenzene	20	1.0	20.00	0	101	70	130			
1,1-Dichloroethene	22	1.0	20.00	0	109	70	130			
Trichloroethene (TCE)	19	1.0	20.00	0	94.2	70	130			
Surr: 1,2-Dichloroethane-d4	9.6		10.00		95.8	70	130			
Surr: 4-Bromofluorobenzene	11		10.00		111	70	130			
Surr: Dibromofluoromethane	11		10.00		106	70	130			
Surr: Toluene-d8	10		10.00		100	70	130			

Sample ID **100ng lcs**	SampType: **LCS**	TestCode: **EPA Method 8260B: VOLATILES**
Client ID: **LCSW**	Batch ID: **R32448**	RunNo: **32448**
Prep Date:	Analysis Date: **2/26/2016**	SeqNo: **992305** Units: **µg/L**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	23	1.0	20.00	0	113	70	130			
Toluene	18	1.0	20.00	0	92.4	70	130			
Chlorobenzene	21	1.0	20.00	0	104	70	130			
1,1-Dichloroethene	23	1.0	20.00	0	115	70	130			
Trichloroethene (TCE)	20	1.0	20.00	0	102	70	130			
Surr: 1,2-Dichloroethane-d4	10		10.00		101	70	130			
Surr: 4-Bromofluorobenzene	11		10.00		107	70	130			
Surr: Dibromofluoromethane	11		10.00		114	70	130			
Surr: Toluene-d8	9.9		10.00		99.0	70	130			

Qualifiers:

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

QC SUMMARY REPORT
Hall Environmental Analysis Laboratory, Inc.

WO#: **1602A05**
10-Mar-16

Client: Biotech Remediation, Inc.
Project: Thriftway #810

Sample ID **rb**	SampType: **MBLK**	TestCode: **EPA Method 8260B: VOLATILES**
Client ID: **PBW**	Batch ID: **R32448**	RunNo: **32448**
Prep Date:	Analysis Date: **2/26/2016**	SeqNo: **992306** Units: **µg/L**

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

Qualifiers:

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

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: **1602A05**

10-Mar-16

Client: Biotech Remediation, Inc.

Project: Thriftway #810

Sample ID **rb**	SampType: **MBLK**	TestCode: **EPA Method 8260B: VOLATILES**
Client ID: **PBW**	Batch ID: **R32448**	RunNo: **32448**
Prep Date:	Analysis Date: **2/26/2016**	SeqNo: **992306** Units: **µg/L**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
1,1-Dichloropropene	ND	1.0								
Hexachlorobutadiene	ND	1.0								
2-Hexanone	ND	10								
Isopropylbenzene	ND	1.0								
4-Isopropyltoluene	ND	1.0								
4-Methyl-2-pentanone	ND	10								
Methylene Chloride	ND	3.0								
n-Butylbenzene	ND	3.0								
n-Propylbenzene	ND	1.0								
sec-Butylbenzene	ND	1.0								
Styrene	ND	1.0								
tert-Butylbenzene	ND	1.0								
1,1,1,2-Tetrachloroethane	ND	1.0								
1,1,2,2-Tetrachloroethane	ND	2.0								
Tetrachloroethene (PCE)	ND	1.0								
trans-1,2-DCE	ND	1.0								
trans-1,3-Dichloropropene	ND	1.0								
1,2,3-Trichlorobenzene	ND	1.0								
1,2,4-Trichlorobenzene	ND	1.0								
1,1,1-Trichloroethane	ND	1.0								
1,1,2-Trichloroethane	ND	1.0								
Trichloroethene (TCE)	ND	1.0								
Trichlorofluoromethane	ND	1.0								
1,2,3-Trichloropropane	ND	2.0								
Vinyl chloride	ND	1.0								
Xylenes, Total	ND	1.5								
Surr: 1,2-Dichloroethane-d4	9.4		10.00		94.2	70	130			
Surr: 4-Bromofluorobenzene	10		10.00		99.5	70	130			
Surr: Dibromofluoromethane	12		10.00		117	70	130			
Surr: Toluene-d8	11		10.00		110	70	130			

Qualifiers:

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

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: **1602A05**

10-Mar-16

Client: Biotech Remediation, Inc.

Project: Thriftway #810

Sample ID **mb-23983**	SampType: **MBLK**	TestCode: **EPA Method 8270C: PAHs**
Client ID: **PBW**	Batch ID: **23983**	RunNo: **32494**
Prep Date: **2/29/2016**	Analysis Date: **3/1/2016**	SeqNo: **994005** Units: **µg/L**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Naphthalene	ND	0.50								
1-Methylnaphthalene	ND	0.50								
2-Methylnaphthalene	ND	0.50								
Acenaphthylene	ND	0.50								
Acenaphthene	ND	0.50								
Fluorene	ND	0.50								
Phenanthrene	ND	0.50								
Anthracene	ND	0.50								
Fluoranthene	ND	0.50								
Pyrene	ND	0.50								
Benz(a)anthracene	ND	0.50								
Chrysene	ND	0.50								
Benzo(b)fluoranthene	ND	0.50								
Benzo(k)fluoranthene	ND	0.50								
Benzo(a)pyrene	ND	0.50								
Dibenz(a,h)anthracene	ND	0.50								
Benzo(g,h,i)perylene	ND	0.50								
Indeno(1,2,3-cd)pyrene	ND	0.50								
Surr: N-hexadecane	47		87.60		53.3	20.2	162			
Surr: Benzo(e)pyrene	6.4		20.00		32.1	21.1	159			

Sample ID **lcs-23983**	SampType: **LCS**	TestCode: **EPA Method 8270C: PAHs**
Client ID: **LCSW**	Batch ID: **23983**	RunNo: **32494**
Prep Date: **2/29/2016**	Analysis Date: **3/1/2016**	SeqNo: **994006** Units: **µg/L**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Naphthalene	22	0.50	20.00	0	110	37.4	120			
1-Methylnaphthalene	21	0.50	20.00	0	107	39.3	121			
2-Methylnaphthalene	21	0.50	20.00	0	106	37.8	122			
Acenaphthylene	20	0.50	20.00	0	102	37	124			
Acenaphthene	22	0.50	20.00	0	110	35.6	123			
Fluorene	21	0.50	20.00	0	105	35.2	122			
Phenanthrene	20	0.50	20.00	0	101	38.8	122			
Anthracene	20	0.50	20.00	0	97.6	37.5	125			
Fluoranthene	20	0.50	20.00	0	101	37.4	131			
Pyrene	15	0.50	20.00	0	76.2	27.5	140			
Benz(a)anthracene	14	0.50	20.00	0	69.3	25.4	141			
Chrysene	15	0.50	20.00	0	77.2	33.6	155			
Benzo(b)fluoranthene	14	0.50	20.00	0	70.7	39	153			

Qualifiers:

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

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: **1602A05**

10-Mar-16

Client: Biotech Remediation, Inc.

Project: Thriftway #810

Sample ID **lcs-23983**	SampType: **LCS**	TestCode: **EPA Method 8270C: PAHs**
Client ID: **LCSW**	Batch ID: **23983**	RunNo: **32494**
Prep Date: **2/29/2016**	Analysis Date: **3/1/2016**	SeqNo: **994006** Units: **µg/L**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzo(k)fluoranthene	15	0.50	20.00	0	76.8	38	154			
Benzo(a)pyrene	13	0.50	20.00	0	66.4	38.6	153			
Dibenz(a,h)anthracene	14	0.50	20.00	0	69.9	39.7	155			
Benzo(g,h,i)perylene	14	0.50	20.00	0	71.0	39.6	154			
Indeno(1,2,3-cd)pyrene	13	0.50	20.00	0	66.7	19.1	153			
Surr: N-hexadecane	45		87.60		50.8	20.2	162			
Surr: Benzo(e)pyrene	6.0		20.00		29.9	21.1	159			

Sample ID **lcsd-23983**	SampType: **LCSD**	TestCode: **EPA Method 8270C: PAHs**
Client ID: **LCSS02**	Batch ID: **23983**	RunNo: **32494**
Prep Date: **2/29/2016**	Analysis Date: **3/1/2016**	SeqNo: **994011** Units: **µg/L**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Naphthalene	21	0.50	20.00	0	105	37.4	120	4.28	20	
1-Methylnaphthalene	21	0.50	20.00	0	106	39.3	121	0.0939	26.8	
2-Methylnaphthalene	21	0.50	20.00	0	107	37.8	122	1.03	23.8	
Acenaphthylene	20	0.50	20.00	0	100	37	124	1.98	28.6	
Acenaphthene	21	0.50	20.00	0	104	35.6	123	6.54	27	
Fluorene	21	0.50	20.00	0	105	35.2	122	0.666	25.7	
Phenanthrene	21	0.50	20.00	0	106	38.8	122	5.13	20	
Anthracene	21	0.50	20.00	0	103	37.5	125	5.77	21.2	
Fluoranthene	20	0.50	20.00	0	102	37.4	131	1.28	21.8	
Pyrene	14	0.50	20.00	0	70.6	27.5	140	7.63	31.1	
Benz(a)anthracene	14	0.50	20.00	0	69.4	25.4	141	0.144	26.6	
Chrysene	15	0.50	20.00	0	74.9	33.6	155	3.02	21.2	
Benzo(b)fluoranthene	15	0.50	20.00	0	73.7	39	153	4.16	20	
Benzo(k)fluoranthene	15	0.50	20.00	0	76.8	38	154	0	21	
Benzo(a)pyrene	13	0.50	20.00	0	65.5	38.6	153	1.36	24.8	
Dibenz(a,h)anthracene	14	0.50	20.00	0	70.6	39.7	155	0.996	26	
Benzo(g,h,i)perylene	14	0.50	20.00	0	70.0	39.6	154	1.42	20	
Indeno(1,2,3-cd)pyrene	14	0.50	20.00	0	70.5	19.1	153	5.54	20	
Surr: N-hexadecane	43		87.60		49.5	20.2	162	0	0	
Surr: Benzo(e)pyrene	6.3		20.00		31.5	21.1	159	0	0	

Qualifiers:

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

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: **1602A05**

10-Mar-16

Client: Biotech Remediation, Inc.

Project: Thriftway #810

Sample ID	**MB-23954**	SampType:	**MBLK**	TestCode:	**EPA Method 7470: Mercury**					
Client ID:	**PBW**	Batch ID:	**23954**	RunNo:	**32446**					
Prep Date:	**2/25/2016**	Analysis Date:	**2/26/2016**	SeqNo:	**992359**	Units:	**mg/L**			

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Mercury	ND	0.00020								

Sample ID	**LCS-23954**	SampType:	**LCS**	TestCode:	**EPA Method 7470: Mercury**					
Client ID:	**LCSW**	Batch ID:	**23954**	RunNo:	**32446**					
Prep Date:	**2/25/2016**	Analysis Date:	**2/26/2016**	SeqNo:	**992360**	Units:	**mg/L**			

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Mercury	0.0050	0.00020	0.005000	0	99.5	80	120			

Qualifiers:

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

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: **1602A05**

10-Mar-16

Client: Biotech Remediation, Inc.

Project: Thriftway #810

Sample ID	**MB-B**	SampType:	**MBLK**	TestCode:	**EPA Method 6010B: Dissolved Metals**
Client ID:	**PBW**	Batch ID:	**B32664**	RunNo:	**32664**
Prep Date:		Analysis Date:	**3/9/2016**	SeqNo:	**999448** Units: **mg/L**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Calcium	ND	1.0								
Lead	ND	0.0050								
Magnesium	ND	1.0								
Potassium	ND	1.0								
Sodium	ND	1.0								

Sample ID	**LCS-B**	SampType:	**LCS**	TestCode:	**EPA Method 6010B: Dissolved Metals**
Client ID:	**LCSW**	Batch ID:	**B32664**	RunNo:	**32664**
Prep Date:		Analysis Date:	**3/9/2016**	SeqNo:	**999449** Units: **mg/L**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Calcium	52	1.0	50.00	0	103	80	120			
Lead	0.49	0.0050	0.5000	0	99.0	80	120			
Magnesium	50	1.0	50.00	0	101	80	120			
Potassium	51	1.0	50.00	0	101	80	120			
Sodium	51	1.0	50.00	0	102	80	120			

Qualifiers:

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

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: **1602A05**

10-Mar-16

Client: Biotech Remediation, Inc.

Project: Thriftway #810

Sample ID	**MB-23938**	SampType:	**MBLK**	TestCode:	**EPA 6010B: Total Recoverable Metals**				
Client ID:	**PBW**	Batch ID:	**23938**	RunNo:	**32425**				
Prep Date:	**2/25/2016**	Analysis Date:	**2/26/2016**	SeqNo:	**991531**	Units:	**mg/L**		

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Arsenic	ND	0.020								
Barium	ND	0.020								
Cadmium	ND	0.0020								
Chromium	ND	0.0060								
Lead	ND	0.0050								
Selenium	ND	0.050								
Silver	ND	0.0050								

Sample ID	**LCS-23938**	SampType:	**LCS**	TestCode:	**EPA 6010B: Total Recoverable Metals**				
Client ID:	**LCSW**	Batch ID:	**23938**	RunNo:	**32425**				
Prep Date:	**2/25/2016**	Analysis Date:	**2/26/2016**	SeqNo:	**991532**	Units:	**mg/L**		

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Arsenic	0.50	0.020	0.5000	0	100	80	120			
Barium	0.48	0.020	0.5000	0	95.7	80	120			
Cadmium	0.49	0.0020	0.5000	0	97.3	80	120			
Chromium	0.48	0.0060	0.5000	0	95.2	80	120			
Lead	0.48	0.0050	0.5000	0	96.6	80	120			
Selenium	0.48	0.050	0.5000	0	96.8	80	120			
Silver	0.099	0.0050	0.1000	0	98.6	80	120			

Qualifiers:

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

QC SUMMARY REPORT
Hall Environmental Analysis Laboratory, Inc.

WO#: **1602A05**
10-Mar-16

Client: Biotech Remediation, Inc.
Project: Thriftway #810

Sample ID **mb-1**	SampType: **mblk**	TestCode: **SM2320B: Alkalinity**							
Client ID: **PBW**	Batch ID: **R32439**	RunNo: **32439**							
Prep Date:	Analysis Date: **2/25/2016**	SeqNo: **991987**	Units: **mg/L CaCO3**						

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Total Alkalinity (as CaCO3)	ND	20.00								

Sample ID **lcs-1**	SampType: **lcs**	TestCode: **SM2320B: Alkalinity**							
Client ID: **LCSW**	Batch ID: **R32439**	RunNo: **32439**							
Prep Date:	Analysis Date: **2/25/2016**	SeqNo: **991988**	Units: **mg/L CaCO3**						

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Total Alkalinity (as CaCO3)	78.24	20.00	80.00	0	97.8	90	110			

Qualifiers:

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

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: **1602A05**

10-Mar-16

Client: Biotech Remediation, Inc.

Project: Thriftway #810

Sample ID	**MB-23949**	SampType:	**MBLK**		TestCode:	**SM2540C MOD: Total Dissolved Solids**				
Client ID:	**PBW**	Batch ID:	**23949**		RunNo:	**32441**				
Prep Date:	**2/25/2016**	Analysis Date:	**2/26/2016**		SeqNo:	**992104**	Units:	**mg/L**		

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Total Dissolved Solids	ND	20.0								

Sample ID	**LCS-23949**	SampType:	**LCS**		TestCode:	**SM2540C MOD: Total Dissolved Solids**				
Client ID:	**LCSW**	Batch ID:	**23949**		RunNo:	**32441**				
Prep Date:	**2/25/2016**	Analysis Date:	**2/26/2016**		SeqNo:	**992105**	Units:	**mg/L**		

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Total Dissolved Solids	1030	20.0	1000	0	103	80	120			

Qualifiers:

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

HALL ENVIRONMENTAL ANALYSIS LABORATORY

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

Sample Log-In Check List

Client Name: Biotech Remediation Inc Work Order Number: 1602A05 RcptNo: 1

Received by/date: JA 02/24/16

Logged By: Anne Thorne 2/24/2016 8:05:00 AM Anne Thorne

Completed By: Anne Thorne 2/24/2016 Anne Thorne

Reviewed By: 02/24/16

Chain of Custody

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

Log In

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

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

Adjusted? NW

Checked by: JA

Special Handling (if applicable)

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

Person Notified: _____ Date _____

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

Regarding: _____

Client Instructions: _____

17. Additional remarks:

18. **Cooler Information**

Cooler No	Temp °C	Condition	Seal Intact	Seal No	Seal Date	Signed By
1	1.0	Good	Yes			

Chain-of-Custody Record

Client: BioTechRemediation, Inc.
Mailing Address: 201 Airport Drive, Suite 104 Farmington, NM 87401
Phone #: (505) 215-5984
Email or Fax#:
QA/QC Package: (Standard) ☐ Level 4 (Full Validation)
Accreditation: ☐ NELAP ☐ Other
☐ EDD (Type)

Turn-Around Time: ☒ Standard ☐ Rush
Project Name: Thriftway #810
Project #:
Project Manager: Ross Kennemer
Sampler: Ross Kennemer
On Ice: ☒ Yes ☐ No
Sample Temperature: 1.0

HALL ENVIRONMENTAL ANALYSIS LABORATORY
www.hallenvironmental.com
4901 Hawkins NE - Albuquerque, NM 87109
Tel. 505-345-3975 Fax 505-345-4107

Analysis Request

Date	Time	Matrix	Sample Request ID	Container Type and #	Preservative Type	HEAL No. 1602A05	BTEX + MTBE + TMB's (8021)	BTEX + MTBE + TPH (Gas only)	TPH 8015B (GRO / DRO / MRO)	TPH (Method 418.1)	EDB (Method 504.1)	PAH's (8310 or 8270 SIMS)	RCRA 8 Metals	Anions (F,Cl,NO_3,NO_2,PO_4,SO_4)	8081 Pesticides / 8082 PCB's	8260B (VOA)	8270 (Semi-VOA)	Total & Dissolved Lead	Sulfate & Chloride	Major Cations & Anions	TDS	Air Bubbles (Y or N)
2-3-16	0840	H_2O	TW-34	Various	Various	201			X			X	X			X		X	X	X	X	
"	0955	"	TW-45	"	"	202			X			X	X			X		X	X	X	X	
"	1030	"	MW-20	"	"	203			X			X	X			X		X	X	X	X	
"	1105	"	TW-46	"	"	204			X			X	X			X		X	X	X	X	

Date	Time	Relinquished by:	Received by:	Date	Time
2/23/16	1540	Ross Kennemer	Christine Walters	2/23/16	1540
2/23/16	1757	Christine Walters	Jae Cabrit	02/24/16	0805

Remarks:

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

HALL ENVIRONMENTAL ANALYSIS LABORATORY

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

March 10, 2016

Ross Kennemer

Biotech Remediation, Inc.
501 Airport Dr
Farmington, NM 87401
TEL:
FAX

RE: Thriftway #810 OrderNo.: 1602948

Dear Ross Kennemer:

Hall Environmental Analysis Laboratory received 13 sample(s) on 2/23/2016 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 qualifers are provided on both the sample analysis report and the QC summary report, both sections should be reviewed. All samples are reported, as received, unless otherwise indicated. Lab measurement of analytes considered field parameters that require analysis within 15 minutes of sampling such as pH and residual chlorine are qualified as being analyzed outside of the recommended holding time.

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

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

Sincerely,



Andy Freeman
Laboratory Manager
4901 Hawkins NE
Albuquerque, NM 87109

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Biotech Remediation, Inc. **Client Sample ID:** TW-29
Project: Thriftway #810 **Collection Date:** 2/19/2016 8:30:00 AM
Lab ID: 1602948-001 **Matrix:** AQUEOUS **Received Date:** 2/23/2016 8:00:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analyst:	**LGT**
Fluoride	0.69	0.50		mg/L	5	2/25/2016 4:41:40 PM	R32406
Chloride	100	10		mg/L	20	2/25/2016 4:54:05 PM	R32406
Bromide	0.54	0.50		mg/L	5	2/25/2016 4:41:40 PM	R32406
Phosphorus, Orthophosphate (As P)	ND	2.5	H	mg/L	5	2/25/2016 4:41:40 PM	R32406
Sulfate	680	10	*	mg/L	20	2/25/2016 4:54:05 PM	R32406
Nitrate+Nitrite as N	ND	1.0		mg/L	5	2/29/2016 10:00:57 AM	R32480
SM2510B: SPECIFIC CONDUCTANCE						Analyst:	**JRR**
Conductivity	3300	0.010		µmhos/cm	1	2/24/2016 8:02:19 PM	R32387
SM2320B: ALKALINITY						Analyst:	**JRR**
Bicarbonate (As CaCO3)	1104	50.00		mg/L CaCO3	2.5	2/25/2016 7:38:06 PM	R32439
Carbonate (As CaCO3)	ND	5.000		mg/L CaCO3	2.5	2/25/2016 7:38:06 PM	R32439
Total Alkalinity (as CaCO3)	1104	50.00		mg/L CaCO3	2.5	2/25/2016 7:38:06 PM	R32439
SM2540C MOD: TOTAL DISSOLVED SOLIDS						Analyst:	**KS**
Total Dissolved Solids	2330	200	*D	mg/L	1	2/25/2016 6:43:00 PM	23918
EPA METHOD 7470: MERCURY						Analyst:	**pmf**
Mercury	ND	0.00020		mg/L	1	2/24/2016 7:00:49 AM	23897
EPA METHOD 6010B: DISSOLVED METALS						Analyst:	**MED**
Calcium	100	10		mg/L	10	3/9/2016 11:46:02 AM	A32664
Lead	ND	0.0050		mg/L	1	3/9/2016 10:17:20 AM	A32664
Magnesium	32	1.0		mg/L	1	3/9/2016 10:17:20 AM	A32664
Potassium	3.1	1.0		mg/L	1	3/9/2016 10:17:20 AM	A32664
Sodium	680	10		mg/L	10	3/9/2016 11:46:02 AM	A32664
EPA 6010B: TOTAL RECOVERABLE METALS						Analyst:	**MED**
Arsenic	0.17	0.020		mg/L	1	2/26/2016 11:02:03 AM	23938
Barium	0.25	0.020		mg/L	1	2/26/2016 11:02:03 AM	23938
Cadmium	ND	0.0020		mg/L	1	2/26/2016 11:02:03 AM	23938
Chromium	ND	0.0060		mg/L	1	2/26/2016 11:02:03 AM	23938
Lead	0.023	0.0050		mg/L	1	2/26/2016 11:02:03 AM	23938
Selenium	ND	0.050		mg/L	1	2/26/2016 11:02:03 AM	23938
Silver	ND	0.0050		mg/L	1	2/26/2016 11:02:03 AM	23938
EPA METHOD 8015M/D: DIESEL RANGE						Analyst:	**KJH**
Diesel Range Organics (DRO)	2.2	1.0		mg/L	1	2/24/2016 5:25:06 PM	23915
Motor Oil Range Organics (MRO)	ND	5.0		mg/L	1	2/24/2016 5:25:06 PM	23915
Surr: DNOP	89.1	70-141		%Rec	1	2/24/2016 5:25:06 PM	23915
EPA METHOD 8015D: GASOLINE RANGE						Analyst:	**NSB**

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

Qualifiers:

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

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Biotech Remediation, Inc. **Client Sample ID:** TW-29
Project: Thriftway #810 **Collection Date:** 2/19/2016 8:30:00 AM
Lab ID: 1602948-001 **Matrix:** AQUEOUS **Received Date:** 2/23/2016 8:00:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **NSB**	
Gasoline Range Organics (GRO)	0.39	0.050		mg/L	1	2/25/2016 10:01:51 AM	R32416
Surr: BFB	121	49.5-130		%Rec	1	2/25/2016 10:01:51 AM	R32416
EPA METHOD 8270C: PAHS						Analyst: **DAM**	
Naphthalene	3.5	0.50		µg/L	1	2/24/2016 5:38:57 PM	23905
1-Methylnaphthalene	10	0.50		µg/L	1	2/24/2016 5:38:57 PM	23905
2-Methylnaphthalene	6.9	0.50		µg/L	1	2/24/2016 5:38:57 PM	23905
Acenaphthylene	ND	0.50		µg/L	1	2/24/2016 5:38:57 PM	23905
Acenaphthene	ND	0.50		µg/L	1	2/24/2016 5:38:57 PM	23905
Fluorene	2.8	0.50		µg/L	1	2/24/2016 5:38:57 PM	23905
Phenanthrene	1.7	0.50		µg/L	1	2/24/2016 5:38:57 PM	23905
Anthracene	ND	0.50		µg/L	1	2/24/2016 5:38:57 PM	23905
Fluoranthene	ND	0.50		µg/L	1	2/24/2016 5:38:57 PM	23905
Pyrene	ND	0.50		µg/L	1	2/24/2016 5:38:57 PM	23905
Benz(a)anthracene	ND	0.50		µg/L	1	2/24/2016 5:38:57 PM	23905
Chrysene	ND	0.50		µg/L	1	2/24/2016 5:38:57 PM	23905
Benzo(b)fluoranthene	ND	0.50		µg/L	1	2/24/2016 5:38:57 PM	23905
Benzo(k)fluoranthene	ND	0.50		µg/L	1	2/24/2016 5:38:57 PM	23905
Benzo(a)pyrene	ND	0.50		µg/L	1	2/24/2016 5:38:57 PM	23905
Dibenz(a,h)anthracene	ND	0.50		µg/L	1	2/24/2016 5:38:57 PM	23905
Benzo(g,h,i)perylene	ND	0.50		µg/L	1	2/24/2016 5:38:57 PM	23905
Indeno(1,2,3-cd)pyrene	ND	0.50		µg/L	1	2/24/2016 5:38:57 PM	23905
Surr: N-hexadecane	39.3	20.2-162		%Rec	1	2/24/2016 5:38:57 PM	23905
Surr: Benzo(e)pyrene	41.1	21.1-159		%Rec	1	2/24/2016 5:38:57 PM	23905
EPA METHOD 8260B: VOLATILES						Analyst: **AG**	
Benzene	6.4	1.0		µg/L	1	2/26/2016 12:22:57 PM	R32448
Toluene	ND	1.0		µg/L	1	2/26/2016 12:22:57 PM	R32448
Ethylbenzene	1.7	1.0		µg/L	1	2/26/2016 12:22:57 PM	R32448
Methyl tert-butyl ether (MTBE)	5.9	1.0		µg/L	1	2/26/2016 12:22:57 PM	R32448
1,2,4-Trimethylbenzene	11	1.0		µg/L	1	2/26/2016 12:22:57 PM	R32448
1,3,5-Trimethylbenzene	2.8	1.0		µg/L	1	2/26/2016 12:22:57 PM	R32448
1,2-Dichloroethane (EDC)	ND	1.0		µg/L	1	2/26/2016 12:22:57 PM	R32448
1,2-Dibromoethane (EDB)	ND	1.0		µg/L	1	2/26/2016 12:22:57 PM	R32448
Naphthalene	ND	2.0		µg/L	1	2/26/2016 12:22:57 PM	R32448
1-Methylnaphthalene	9.1	4.0		µg/L	1	2/26/2016 12:22:57 PM	R32448
2-Methylnaphthalene	5.7	4.0		µg/L	1	2/26/2016 12:22:57 PM	R32448
Acetone	ND	10		µg/L	1	2/26/2016 12:22:57 PM	R32448
Bromobenzene	ND	1.0		µg/L	1	2/26/2016 12:22:57 PM	R32448
Bromodichloromethane	ND	1.0		µg/L	1	2/26/2016 12:22:57 PM	R32448

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Qualifiers:

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

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Biotech Remediation, Inc. **Client Sample ID:** TW-29
Project: Thriftway #810 **Collection Date:** 2/19/2016 8:30:00 AM
Lab ID: 1602948-001 **Matrix:** AQUEOUS **Received Date:** 2/23/2016 8:00:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8260B: VOLATILES						Analyst: **AG**	
Bromoform	ND	1.0		µg/L	1	2/26/2016 12:22:57 PM	R32448
Bromomethane	ND	3.0		µg/L	1	2/26/2016 12:22:57 PM	R32448
2-Butanone	ND	10		µg/L	1	2/26/2016 12:22:57 PM	R32448
Carbon disulfide	ND	10		µg/L	1	2/26/2016 12:22:57 PM	R32448
Carbon Tetrachloride	ND	1.0		µg/L	1	2/26/2016 12:22:57 PM	R32448
Chlorobenzene	ND	1.0		µg/L	1	2/26/2016 12:22:57 PM	R32448
Chloroethane	ND	2.0		µg/L	1	2/26/2016 12:22:57 PM	R32448
Chloroform	ND	1.0		µg/L	1	2/26/2016 12:22:57 PM	R32448
Chloromethane	ND	3.0		µg/L	1	2/26/2016 12:22:57 PM	R32448
2-Chlorotoluene	ND	1.0		µg/L	1	2/26/2016 12:22:57 PM	R32448
4-Chlorotoluene	ND	1.0		µg/L	1	2/26/2016 12:22:57 PM	R32448
cis-1,2-DCE	ND	1.0		µg/L	1	2/26/2016 12:22:57 PM	R32448
cis-1,3-Dichloropropene	ND	1.0		µg/L	1	2/26/2016 12:22:57 PM	R32448
1,2-Dibromo-3-chloropropane	ND	2.0		µg/L	1	2/26/2016 12:22:57 PM	R32448
Dibromochloromethane	ND	1.0		µg/L	1	2/26/2016 12:22:57 PM	R32448
Dibromomethane	ND	1.0		µg/L	1	2/26/2016 12:22:57 PM	R32448
1,2-Dichlorobenzene	ND	1.0		µg/L	1	2/26/2016 12:22:57 PM	R32448
1,3-Dichlorobenzene	ND	1.0		µg/L	1	2/26/2016 12:22:57 PM	R32448
1,4-Dichlorobenzene	ND	1.0		µg/L	1	2/26/2016 12:22:57 PM	R32448
Dichlorodifluoromethane	ND	1.0		µg/L	1	2/26/2016 12:22:57 PM	R32448
1,1-Dichloroethane	ND	1.0		µg/L	1	2/26/2016 12:22:57 PM	R32448
1,1-Dichloroethene	ND	1.0		µg/L	1	2/26/2016 12:22:57 PM	R32448
1,2-Dichloropropane	ND	1.0		µg/L	1	2/26/2016 12:22:57 PM	R32448
1,3-Dichloropropane	ND	1.0		µg/L	1	2/26/2016 12:22:57 PM	R32448
2,2-Dichloropropane	ND	2.0		µg/L	1	2/26/2016 12:22:57 PM	R32448
1,1-Dichloropropene	ND	1.0		µg/L	1	2/26/2016 12:22:57 PM	R32448
Hexachlorobutadiene	ND	1.0		µg/L	1	2/26/2016 12:22:57 PM	R32448
2-Hexanone	ND	10		µg/L	1	2/26/2016 12:22:57 PM	R32448
Isopropylbenzene	1.6	1.0		µg/L	1	2/26/2016 12:22:57 PM	R32448
4-Isopropyltoluene	ND	1.0		µg/L	1	2/26/2016 12:22:57 PM	R32448
4-Methyl-2-pentanone	ND	10		µg/L	1	2/26/2016 12:22:57 PM	R32448
Methylene Chloride	ND	3.0		µg/L	1	2/26/2016 12:22:57 PM	R32448
n-Butylbenzene	ND	3.0		µg/L	1	2/26/2016 12:22:57 PM	R32448
n-Propylbenzene	1.1	1.0		µg/L	1	2/26/2016 12:22:57 PM	R32448
sec-Butylbenzene	ND	1.0		µg/L	1	2/26/2016 12:22:57 PM	R32448
Styrene	ND	1.0		µg/L	1	2/26/2016 12:22:57 PM	R32448
tert-Butylbenzene	ND	1.0		µg/L	1	2/26/2016 12:22:57 PM	R32448
1,1,1,2-Tetrachloroethane	ND	1.0		µg/L	1	2/26/2016 12:22:57 PM	R32448
1,1,2,2-Tetrachloroethane	ND	2.0		µg/L	1	2/26/2016 12:22:57 PM	R32448

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Qualifiers:

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

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Biotech Remediation, Inc. **Client Sample ID:** TW-29
Project: Thriftway #810 **Collection Date:** 2/19/2016 8:30:00 AM
Lab ID: 1602948-001 **Matrix:** AQUEOUS **Received Date:** 2/23/2016 8:00:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8260B: VOLATILES						Analyst: **AG**	
Tetrachloroethene (PCE)	ND	1.0		µg/L	1	2/26/2016 12:22:57 PM	R32448
trans-1,2-DCE	ND	1.0		µg/L	1	2/26/2016 12:22:57 PM	R32448
trans-1,3-Dichloropropene	ND	1.0		µg/L	1	2/26/2016 12:22:57 PM	R32448
1,2,3-Trichlorobenzene	ND	1.0		µg/L	1	2/26/2016 12:22:57 PM	R32448
1,2,4-Trichlorobenzene	ND	1.0		µg/L	1	2/26/2016 12:22:57 PM	R32448
1,1,1-Trichloroethane	ND	1.0		µg/L	1	2/26/2016 12:22:57 PM	R32448
1,1,2-Trichloroethane	ND	1.0		µg/L	1	2/26/2016 12:22:57 PM	R32448
Trichloroethene (TCE)	ND	1.0		µg/L	1	2/26/2016 12:22:57 PM	R32448
Trichlorofluoromethane	ND	1.0		µg/L	1	2/26/2016 12:22:57 PM	R32448
1,2,3-Trichloropropane	ND	2.0		µg/L	1	2/26/2016 12:22:57 PM	R32448
Vinyl chloride	ND	1.0		µg/L	1	2/26/2016 12:22:57 PM	R32448
Xylenes, Total	2.8	1.5		µg/L	1	2/26/2016 12:22:57 PM	R32448
Surr: 1,2-Dichloroethane-d4	99.1	70-130		%Rec	1	2/26/2016 12:22:57 PM	R32448
Surr: 4-Bromofluorobenzene	99.7	70-130		%Rec	1	2/26/2016 12:22:57 PM	R32448
Surr: Dibromofluoromethane	117	70-130		%Rec	1	2/26/2016 12:22:57 PM	R32448
Surr: Toluene-d8	102	70-130		%Rec	1	2/26/2016 12:22:57 PM	R32448

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Qualifiers:

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

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Biotech Remediation, Inc. **Client Sample ID:** TW-30
Project: Thriftway #810 **Collection Date:** 2/19/2016 9:10:00 AM
Lab ID: 1602948-002 **Matrix:** AQUEOUS **Received Date:** 2/23/2016 8:00:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analyst: **LGT**	
Fluoride	ND	0.50		mg/L	5	2/26/2016 12:29:30 PM	R32449
Chloride	150	10		mg/L	20	2/26/2016 12:41:55 PM	R32449
Bromide	ND	0.50		mg/L	5	2/26/2016 12:29:30 PM	R32449
Phosphorus, Orthophosphate (As P)	ND	2.5	H	mg/L	5	2/26/2016 12:29:30 PM	R32449
Sulfate	2800	50	*	mg/L	100	3/1/2016 7:21:33 PM	A32498
Nitrate+Nitrite as N	ND	1.0		mg/L	5	2/29/2016 10:13:22 AM	R32480
SM2510B: SPECIFIC CONDUCTANCE						Analyst: **JRR**	
Conductivity	5300	0.010		µmhos/cm	1	2/24/2016 10:02:48 PM	R32387
SM2320B: ALKALINITY						Analyst: **JRR**	
Bicarbonate (As CaCO3)	535.1	20.00		mg/L CaCO3	1	2/24/2016 10:02:48 PM	R32387
Carbonate (As CaCO3)	ND	2.000		mg/L CaCO3	1	2/24/2016 10:02:48 PM	R32387
Total Alkalinity (as CaCO3)	535.1	20.00		mg/L CaCO3	1	2/24/2016 10:02:48 PM	R32387
SM2540C MOD: TOTAL DISSOLVED SOLIDS						Analyst: **KS**	
Total Dissolved Solids	4310	200	*D	mg/L	1	2/25/2016 6:43:00 PM	23918
EPA METHOD 7470: MERCURY						Analyst: **pmf**	
Mercury	0.00032	0.00020		mg/L	1	2/26/2016 1:06:58 PM	23954
EPA METHOD 6010B: DISSOLVED METALS						Analyst: **MED**	
Calcium	470	10		mg/L	10	3/9/2016 11:47:35 AM	A32664
Lead	ND	0.0050		mg/L	1	3/9/2016 10:18:45 AM	A32664
Magnesium	54	1.0		mg/L	1	3/9/2016 10:18:45 AM	A32664
Potassium	5.6	1.0		mg/L	1	3/9/2016 10:18:45 AM	A32664
Sodium	880	10		mg/L	10	3/9/2016 11:47:35 AM	A32664
EPA 6010B: TOTAL RECOVERABLE METALS						Analyst: **MED**	
Arsenic	0.22	0.020		mg/L	1	2/26/2016 11:06:02 AM	23938
Barium	2.3	0.10		mg/L	5	2/29/2016 1:31:01 PM	23938
Cadmium	ND	0.0020		mg/L	1	2/26/2016 11:06:02 AM	23938
Chromium	0.054	0.0060		mg/L	1	2/26/2016 11:06:02 AM	23938
Lead	0.046	0.0050		mg/L	1	2/26/2016 11:06:02 AM	23938
Selenium	ND	0.050		mg/L	1	2/26/2016 11:06:02 AM	23938
Silver	ND	0.0050		mg/L	1	2/26/2016 11:06:02 AM	23938
EPA METHOD 8015M/D: DIESEL RANGE						Analyst: **KJH**	
Diesel Range Organics (DRO)	ND	1.0		mg/L	1	2/24/2016 6:29:31 PM	23915
Motor Oil Range Organics (MRO)	ND	5.0		mg/L	1	2/24/2016 6:29:31 PM	23915
Surr: DNOP	89.7	70-141		%Rec	1	2/24/2016 6:29:31 PM	23915
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **NSB**	

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

Qualifiers:

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

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Biotech Remediation, Inc. **Client Sample ID:** TW-30
Project: Thriftway #810 **Collection Date:** 2/19/2016 9:10:00 AM
Lab ID: 1602948-002 **Matrix:** AQUEOUS **Received Date:** 2/23/2016 8:00:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **NSB**	
Gasoline Range Organics (GRO)	ND	0.10	D	mg/L	2	2/24/2016 1:58:55 PM	A32376
Surr: BFB	85.0	49.5-130	D	%Rec	2	2/24/2016 1:58:55 PM	A32376
EPA METHOD 8270C: PAHS						Analyst: **DAM**	
Naphthalene	ND	0.50		µg/L	1	2/24/2016 6:03:09 PM	23905
1-Methylnaphthalene	ND	0.50		µg/L	1	2/24/2016 6:03:09 PM	23905
2-Methylnaphthalene	ND	0.50		µg/L	1	2/24/2016 6:03:09 PM	23905
Acenaphthylene	ND	0.50		µg/L	1	2/24/2016 6:03:09 PM	23905
Acenaphthene	ND	0.50		µg/L	1	2/24/2016 6:03:09 PM	23905
Fluorene	ND	0.50		µg/L	1	2/24/2016 6:03:09 PM	23905
Phenanthrene	ND	0.50		µg/L	1	2/24/2016 6:03:09 PM	23905
Anthracene	ND	0.50		µg/L	1	2/24/2016 6:03:09 PM	23905
Fluoranthene	ND	0.50		µg/L	1	2/24/2016 6:03:09 PM	23905
Pyrene	ND	0.50		µg/L	1	2/24/2016 6:03:09 PM	23905
Benz(a)anthracene	ND	0.50		µg/L	1	2/24/2016 6:03:09 PM	23905
Chrysene	ND	0.50		µg/L	1	2/24/2016 6:03:09 PM	23905
Benzo(b)fluoranthene	ND	0.50		µg/L	1	2/24/2016 6:03:09 PM	23905
Benzo(k)fluoranthene	ND	0.50		µg/L	1	2/24/2016 6:03:09 PM	23905
Benzo(a)pyrene	ND	0.50		µg/L	1	2/24/2016 6:03:09 PM	23905
Dibenz(a,h)anthracene	ND	0.50		µg/L	1	2/24/2016 6:03:09 PM	23905
Benzo(g,h,i)perylene	ND	0.50		µg/L	1	2/24/2016 6:03:09 PM	23905
Indeno(1,2,3-cd)pyrene	ND	0.50		µg/L	1	2/24/2016 6:03:09 PM	23905
Surr: N-hexadecane	29.1	20.2-162		%Rec	1	2/24/2016 6:03:09 PM	23905
Surr: Benzo(e)pyrene	29.4	21.1-159		%Rec	1	2/24/2016 6:03:09 PM	23905
EPA METHOD 8260B: VOLATILES						Analyst: **AG**	
Benzene	ND	1.0		µg/L	1	2/26/2016 12:51:31 PM	R32448
Toluene	ND	1.0		µg/L	1	2/26/2016 12:51:31 PM	R32448
Ethylbenzene	ND	1.0		µg/L	1	2/26/2016 12:51:31 PM	R32448
Methyl tert-butyl ether (MTBE)	10	1.0		µg/L	1	2/26/2016 12:51:31 PM	R32448
1,2,4-Trimethylbenzene	ND	1.0		µg/L	1	2/26/2016 12:51:31 PM	R32448
1,3,5-Trimethylbenzene	ND	1.0		µg/L	1	2/26/2016 12:51:31 PM	R32448
1,2-Dichloroethane (EDC)	ND	1.0		µg/L	1	2/26/2016 12:51:31 PM	R32448
1,2-Dibromoethane (EDB)	ND	1.0		µg/L	1	2/26/2016 12:51:31 PM	R32448
Naphthalene	ND	2.0		µg/L	1	2/26/2016 12:51:31 PM	R32448
1-Methylnaphthalene	ND	4.0		µg/L	1	2/26/2016 12:51:31 PM	R32448
2-Methylnaphthalene	ND	4.0		µg/L	1	2/26/2016 12:51:31 PM	R32448
Acetone	ND	10		µg/L	1	2/26/2016 12:51:31 PM	R32448
Bromobenzene	ND	1.0		µg/L	1	2/26/2016 12:51:31 PM	R32448
Bromodichloromethane	ND	1.0		µg/L	1	2/26/2016 12:51:31 PM	R32448

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

Qualifiers:

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

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Biotech Remediation, Inc. **Client Sample ID:** TW-30
Project: Thriftway #810 **Collection Date:** 2/19/2016 9:10:00 AM
Lab ID: 1602948-002 **Matrix:** AQUEOUS **Received Date:** 2/23/2016 8:00:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8260B: VOLATILES						Analyst: **AG**	
Bromoform	ND	1.0		µg/L	1	2/26/2016 12:51:31 PM	R32448
Bromomethane	ND	3.0		µg/L	1	2/26/2016 12:51:31 PM	R32448
2-Butanone	ND	10		µg/L	1	2/26/2016 12:51:31 PM	R32448
Carbon disulfide	ND	10		µg/L	1	2/26/2016 12:51:31 PM	R32448
Carbon Tetrachloride	ND	1.0		µg/L	1	2/26/2016 12:51:31 PM	R32448
Chlorobenzene	ND	1.0		µg/L	1	2/26/2016 12:51:31 PM	R32448
Chloroethane	ND	2.0		µg/L	1	2/26/2016 12:51:31 PM	R32448
Chloroform	ND	1.0		µg/L	1	2/26/2016 12:51:31 PM	R32448
Chloromethane	ND	3.0		µg/L	1	2/26/2016 12:51:31 PM	R32448
2-Chlorotoluene	ND	1.0		µg/L	1	2/26/2016 12:51:31 PM	R32448
4-Chlorotoluene	ND	1.0		µg/L	1	2/26/2016 12:51:31 PM	R32448
cis-1,2-DCE	ND	1.0		µg/L	1	2/26/2016 12:51:31 PM	R32448
cis-1,3-Dichloropropene	ND	1.0		µg/L	1	2/26/2016 12:51:31 PM	R32448
1,2-Dibromo-3-chloropropane	ND	2.0		µg/L	1	2/26/2016 12:51:31 PM	R32448
Dibromochloromethane	ND	1.0		µg/L	1	2/26/2016 12:51:31 PM	R32448
Dibromomethane	ND	1.0		µg/L	1	2/26/2016 12:51:31 PM	R32448
1,2-Dichlorobenzene	ND	1.0		µg/L	1	2/26/2016 12:51:31 PM	R32448
1,3-Dichlorobenzene	ND	1.0		µg/L	1	2/26/2016 12:51:31 PM	R32448
1,4-Dichlorobenzene	ND	1.0		µg/L	1	2/26/2016 12:51:31 PM	R32448
Dichlorodifluoromethane	ND	1.0		µg/L	1	2/26/2016 12:51:31 PM	R32448
1,1-Dichloroethane	ND	1.0		µg/L	1	2/26/2016 12:51:31 PM	R32448
1,1-Dichloroethene	ND	1.0		µg/L	1	2/26/2016 12:51:31 PM	R32448
1,2-Dichloropropane	ND	1.0		µg/L	1	2/26/2016 12:51:31 PM	R32448
1,3-Dichloropropane	ND	1.0		µg/L	1	2/26/2016 12:51:31 PM	R32448
2,2-Dichloropropane	ND	2.0		µg/L	1	2/26/2016 12:51:31 PM	R32448
1,1-Dichloropropene	ND	1.0		µg/L	1	2/26/2016 12:51:31 PM	R32448
Hexachlorobutadiene	ND	1.0		µg/L	1	2/26/2016 12:51:31 PM	R32448
2-Hexanone	ND	10		µg/L	1	2/26/2016 12:51:31 PM	R32448
Isopropylbenzene	ND	1.0		µg/L	1	2/26/2016 12:51:31 PM	R32448
4-Isopropyltoluene	ND	1.0		µg/L	1	2/26/2016 12:51:31 PM	R32448
4-Methyl-2-pentanone	ND	10		µg/L	1	2/26/2016 12:51:31 PM	R32448
Methylene Chloride	ND	3.0		µg/L	1	2/26/2016 12:51:31 PM	R32448
n-Butylbenzene	ND	3.0		µg/L	1	2/26/2016 12:51:31 PM	R32448
n-Propylbenzene	ND	1.0		µg/L	1	2/26/2016 12:51:31 PM	R32448
sec-Butylbenzene	ND	1.0		µg/L	1	2/26/2016 12:51:31 PM	R32448
Styrene	ND	1.0		µg/L	1	2/26/2016 12:51:31 PM	R32448
tert-Butylbenzene	ND	1.0		µg/L	1	2/26/2016 12:51:31 PM	R32448
1,1,1,2-Tetrachloroethane	ND	1.0		µg/L	1	2/26/2016 12:51:31 PM	R32448
1,1,2,2-Tetrachloroethane	ND	2.0		µg/L	1	2/26/2016 12:51:31 PM	R32448

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

Qualifiers:

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

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Biotech Remediation, Inc. **Client Sample ID:** TW-30
Project: Thriftway #810 **Collection Date:** 2/19/2016 9:10:00 AM
Lab ID: 1602948-002 **Matrix:** AQUEOUS **Received Date:** 2/23/2016 8:00:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8260B: VOLATILES						Analyst: **AG**	
Tetrachloroethene (PCE)	ND	1.0		µg/L	1	2/26/2016 12:51:31 PM	R32448
trans-1,2-DCE	ND	1.0		µg/L	1	2/26/2016 12:51:31 PM	R32448
trans-1,3-Dichloropropene	ND	1.0		µg/L	1	2/26/2016 12:51:31 PM	R32448
1,2,3-Trichlorobenzene	ND	1.0		µg/L	1	2/26/2016 12:51:31 PM	R32448
1,2,4-Trichlorobenzene	ND	1.0		µg/L	1	2/26/2016 12:51:31 PM	R32448
1,1,1-Trichloroethane	ND	1.0		µg/L	1	2/26/2016 12:51:31 PM	R32448
1,1,2-Trichloroethane	ND	1.0		µg/L	1	2/26/2016 12:51:31 PM	R32448
Trichloroethene (TCE)	ND	1.0		µg/L	1	2/26/2016 12:51:31 PM	R32448
Trichlorofluoromethane	ND	1.0		µg/L	1	2/26/2016 12:51:31 PM	R32448
1,2,3-Trichloropropane	ND	2.0		µg/L	1	2/26/2016 12:51:31 PM	R32448
Vinyl chloride	1.7	1.0		µg/L	1	2/26/2016 12:51:31 PM	R32448
Xylenes, Total	ND	1.5		µg/L	1	2/26/2016 12:51:31 PM	R32448
Surr: 1,2-Dichloroethane-d4	90.5	70-130		%Rec	1	2/26/2016 12:51:31 PM	R32448
Surr: 4-Bromofluorobenzene	99.1	70-130		%Rec	1	2/26/2016 12:51:31 PM	R32448
Surr: Dibromofluoromethane	85.6	70-130		%Rec	1	2/26/2016 12:51:31 PM	R32448
Surr: Toluene-d8	109	70-130		%Rec	1	2/26/2016 12:51:31 PM	R32448

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Qualifiers:

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

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Biotech Remediation, Inc. **Client Sample ID:** TW-48
Project: Thriftway #810 **Collection Date:** 2/19/2016 10:00:00 AM
Lab ID: 1602948-003 **Matrix:** AQUEOUS **Received Date:** 2/23/2016 8:00:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analyst:	**LGT**
Fluoride	2.6	0.50		mg/L	5	2/26/2016 12:54:19 PM	R32449
Chloride	170	10		mg/L	20	2/26/2016 1:06:45 PM	R32449
Bromide	ND	0.50		mg/L	5	2/26/2016 12:54:19 PM	R32449
Phosphorus, Orthophosphate (As P)	ND	2.5	H	mg/L	5	2/26/2016 12:54:19 PM	R32449
Sulfate	2100	50	*	mg/L	100	3/1/2016 7:33:57 PM	A32498
Nitrate+Nitrite as N	ND	1.0		mg/L	5	2/29/2016 10:25:46 AM	R32480
SM2510B: SPECIFIC CONDUCTANCE						Analyst:	**JRR**
Conductivity	4800	0.010		µmhos/cm	1	2/24/2016 10:25:14 PM	R32387
SM2320B: ALKALINITY						Analyst:	**JRR**
Bicarbonate (As CaCO3)	594.6	20.00		mg/L CaCO3	1	2/24/2016 10:25:14 PM	R32387
Carbonate (As CaCO3)	ND	2.000		mg/L CaCO3	1	2/24/2016 10:25:14 PM	R32387
Total Alkalinity (as CaCO3)	594.6	20.00		mg/L CaCO3	1	2/24/2016 10:25:14 PM	R32387
SM2540C MOD: TOTAL DISSOLVED SOLIDS						Analyst:	**KS**
Total Dissolved Solids	3970	200	*D	mg/L	1	2/25/2016 6:43:00 PM	23918
EPA METHOD 7470: MERCURY						Analyst:	**pmf**
Mercury	0.00032	0.00020		mg/L	1	2/26/2016 1:17:17 PM	23954
EPA METHOD 6010B: DISSOLVED METALS						Analyst:	**MED**
Calcium	360	10		mg/L	10	3/9/2016 11:49:11 AM	A32664
Lead	ND	0.0050		mg/L	1	3/9/2016 10:20:12 AM	A32664
Magnesium	39	1.0		mg/L	1	3/9/2016 10:20:12 AM	A32664
Potassium	20	1.0		mg/L	1	3/9/2016 10:20:12 AM	A32664
Sodium	750	10		mg/L	10	3/9/2016 11:49:11 AM	A32664
EPA 6010B: TOTAL RECOVERABLE METALS						Analyst:	**MED**
Arsenic	0.24	0.020		mg/L	1	2/26/2016 11:12:38 AM	23938
Barium	3.4	0.10		mg/L	5	2/26/2016 11:41:03 AM	23938
Cadmium	ND	0.0020		mg/L	1	2/26/2016 11:12:38 AM	23938
Chromium	0.13	0.0060		mg/L	1	2/26/2016 11:12:38 AM	23938
Lead	0.12	0.0050		mg/L	1	2/26/2016 11:12:38 AM	23938
Selenium	ND	0.050		mg/L	1	2/26/2016 11:12:38 AM	23938
Silver	ND	0.0050		mg/L	1	2/26/2016 11:12:38 AM	23938
EPA METHOD 8015M/D: DIESEL RANGE						Analyst:	**KJH**
Diesel Range Organics (DRO)	ND	1.0		mg/L	1	2/24/2016 6:50:51 PM	23915
Motor Oil Range Organics (MRO)	ND	5.0		mg/L	1	2/24/2016 6:50:51 PM	23915
Surr: DNOP	90.6	70-141		%Rec	1	2/24/2016 6:50:51 PM	23915
EPA METHOD 8015D: GASOLINE RANGE						Analyst:	**NSB**

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

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Biotech Remediation, Inc. **Client Sample ID:** TW-48
Project: Thriftway #810 **Collection Date:** 2/19/2016 10:00:00 AM
Lab ID: 1602948-003 **Matrix:** AQUEOUS **Received Date:** 2/23/2016 8:00:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **NSB**	
Gasoline Range Organics (GRO)	ND	0.10	D	mg/L	2	2/24/2016 2:23:37 PM	A32376
Surr: BFB	84.9	49.5-130	D	%Rec	2	2/24/2016 2:23:37 PM	A32376
EPA METHOD 8270C: PAHS						Analyst: **DAM**	
Naphthalene	ND	0.50		µg/L	1	2/24/2016 6:27:18 PM	23905
1-Methylnaphthalene	ND	0.50		µg/L	1	2/24/2016 6:27:18 PM	23905
2-Methylnaphthalene	ND	0.50		µg/L	1	2/24/2016 6:27:18 PM	23905
Acenaphthylene	ND	0.50		µg/L	1	2/24/2016 6:27:18 PM	23905
Acenaphthene	ND	0.50		µg/L	1	2/24/2016 6:27:18 PM	23905
Fluorene	ND	0.50		µg/L	1	2/24/2016 6:27:18 PM	23905
Phenanthrene	ND	0.50		µg/L	1	2/24/2016 6:27:18 PM	23905
Anthracene	ND	0.50		µg/L	1	2/24/2016 6:27:18 PM	23905
Fluoranthene	ND	0.50		µg/L	1	2/24/2016 6:27:18 PM	23905
Pyrene	ND	0.50		µg/L	1	2/24/2016 6:27:18 PM	23905
Benz(a)anthracene	ND	0.50		µg/L	1	2/24/2016 6:27:18 PM	23905
Chrysene	ND	0.50		µg/L	1	2/24/2016 6:27:18 PM	23905
Benzo(b)fluoranthene	ND	0.50		µg/L	1	2/24/2016 6:27:18 PM	23905
Benzo(k)fluoranthene	ND	0.50		µg/L	1	2/24/2016 6:27:18 PM	23905
Benzo(a)pyrene	ND	0.50		µg/L	1	2/24/2016 6:27:18 PM	23905
Dibenz(a,h)anthracene	ND	0.50		µg/L	1	2/24/2016 6:27:18 PM	23905
Benzo(g,h,i)perylene	ND	0.50		µg/L	1	2/24/2016 6:27:18 PM	23905
Indeno(1,2,3-cd)pyrene	ND	0.50		µg/L	1	2/24/2016 6:27:18 PM	23905
Surr: N-hexadecane	32.0	20.2-162		%Rec	1	2/24/2016 6:27:18 PM	23905
Surr: Benzo(e)pyrene	32.1	21.1-159		%Rec	1	2/24/2016 6:27:18 PM	23905
EPA METHOD 8260B: VOLATILES						Analyst: **AG**	
Benzene	ND	1.0		µg/L	1	2/25/2016 6:42:33 PM	R32398
Toluene	ND	1.0		µg/L	1	2/25/2016 6:42:33 PM	R32398
Ethylbenzene	ND	1.0		µg/L	1	2/25/2016 6:42:33 PM	R32398
Methyl tert-butyl ether (MTBE)	6.5	1.0		µg/L	1	2/25/2016 6:42:33 PM	R32398
1,2,4-Trimethylbenzene	ND	1.0		µg/L	1	2/25/2016 6:42:33 PM	R32398
1,3,5-Trimethylbenzene	ND	1.0		µg/L	1	2/25/2016 6:42:33 PM	R32398
1,2-Dichloroethane (EDC)	ND	1.0		µg/L	1	2/25/2016 6:42:33 PM	R32398
1,2-Dibromoethane (EDB)	ND	1.0		µg/L	1	2/25/2016 6:42:33 PM	R32398
Naphthalene	ND	2.0		µg/L	1	2/25/2016 6:42:33 PM	R32398
1-Methylnaphthalene	ND	4.0		µg/L	1	2/25/2016 6:42:33 PM	R32398
2-Methylnaphthalene	ND	4.0		µg/L	1	2/25/2016 6:42:33 PM	R32398
Acetone	ND	10		µg/L	1	2/25/2016 6:42:33 PM	R32398
Bromobenzene	ND	1.0		µg/L	1	2/25/2016 6:42:33 PM	R32398
Bromodichloromethane	ND	1.0		µg/L	1	2/25/2016 6:42:33 PM	R32398

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

Qualifiers:

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

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Biotech Remediation, Inc. **Client Sample ID:** TW-48
Project: Thriftway #810 **Collection Date:** 2/19/2016 10:00:00 AM
Lab ID: 1602948-003 **Matrix:** AQUEOUS **Received Date:** 2/23/2016 8:00:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8260B: VOLATILES						Analyst: **AG**	
Bromoform	ND	1.0		µg/L	1	2/25/2016 6:42:33 PM	R32398
Bromomethane	ND	3.0		µg/L	1	2/25/2016 6:42:33 PM	R32398
2-Butanone	ND	10		µg/L	1	2/25/2016 6:42:33 PM	R32398
Carbon disulfide	ND	10		µg/L	1	2/25/2016 6:42:33 PM	R32398
Carbon Tetrachloride	ND	1.0		µg/L	1	2/25/2016 6:42:33 PM	R32398
Chlorobenzene	ND	1.0		µg/L	1	2/25/2016 6:42:33 PM	R32398
Chloroethane	ND	2.0		µg/L	1	2/25/2016 6:42:33 PM	R32398
Chloroform	ND	1.0		µg/L	1	2/25/2016 6:42:33 PM	R32398
Chloromethane	ND	3.0		µg/L	1	2/25/2016 6:42:33 PM	R32398
2-Chlorotoluene	ND	1.0		µg/L	1	2/25/2016 6:42:33 PM	R32398
4-Chlorotoluene	ND	1.0		µg/L	1	2/25/2016 6:42:33 PM	R32398
cis-1,2-DCE	ND	1.0		µg/L	1	2/25/2016 6:42:33 PM	R32398
cis-1,3-Dichloropropene	ND	1.0		µg/L	1	2/25/2016 6:42:33 PM	R32398
1,2-Dibromo-3-chloropropane	ND	2.0		µg/L	1	2/25/2016 6:42:33 PM	R32398
Dibromochloromethane	ND	1.0		µg/L	1	2/25/2016 6:42:33 PM	R32398
Dibromomethane	ND	1.0		µg/L	1	2/25/2016 6:42:33 PM	R32398
1,2-Dichlorobenzene	ND	1.0		µg/L	1	2/25/2016 6:42:33 PM	R32398
1,3-Dichlorobenzene	ND	1.0		µg/L	1	2/25/2016 6:42:33 PM	R32398
1,4-Dichlorobenzene	ND	1.0		µg/L	1	2/25/2016 6:42:33 PM	R32398
Dichlorodifluoromethane	ND	1.0		µg/L	1	2/25/2016 6:42:33 PM	R32398
1,1-Dichloroethane	ND	1.0		µg/L	1	2/25/2016 6:42:33 PM	R32398
1,1-Dichloroethene	ND	1.0		µg/L	1	2/25/2016 6:42:33 PM	R32398
1,2-Dichloropropane	ND	1.0		µg/L	1	2/25/2016 6:42:33 PM	R32398
1,3-Dichloropropane	ND	1.0		µg/L	1	2/25/2016 6:42:33 PM	R32398
2,2-Dichloropropane	ND	2.0		µg/L	1	2/25/2016 6:42:33 PM	R32398
1,1-Dichloropropene	ND	1.0		µg/L	1	2/25/2016 6:42:33 PM	R32398
Hexachlorobutadiene	ND	1.0		µg/L	1	2/25/2016 6:42:33 PM	R32398
2-Hexanone	ND	10		µg/L	1	2/25/2016 6:42:33 PM	R32398
Isopropylbenzene	ND	1.0		µg/L	1	2/25/2016 6:42:33 PM	R32398
4-Isopropyltoluene	ND	1.0		µg/L	1	2/25/2016 6:42:33 PM	R32398
4-Methyl-2-pentanone	ND	10		µg/L	1	2/25/2016 6:42:33 PM	R32398
Methylene Chloride	ND	3.0		µg/L	1	2/25/2016 6:42:33 PM	R32398
n-Butylbenzene	ND	3.0		µg/L	1	2/25/2016 6:42:33 PM	R32398
n-Propylbenzene	ND	1.0		µg/L	1	2/25/2016 6:42:33 PM	R32398
sec-Butylbenzene	ND	1.0		µg/L	1	2/25/2016 6:42:33 PM	R32398
Styrene	ND	1.0		µg/L	1	2/25/2016 6:42:33 PM	R32398
tert-Butylbenzene	ND	1.0		µg/L	1	2/25/2016 6:42:33 PM	R32398
1,1,1,2-Tetrachloroethane	ND	1.0		µg/L	1	2/25/2016 6:42:33 PM	R32398
1,1,2,2-Tetrachloroethane	ND	2.0		µg/L	1	2/25/2016 6:42:33 PM	R32398

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

Qualifiers:

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

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Biotech Remediation, Inc. **Client Sample ID:** TW-48
Project: Thriftway #810 **Collection Date:** 2/19/2016 10:00:00 AM
Lab ID: 1602948-003 **Matrix:** AQUEOUS **Received Date:** 2/23/2016 8:00:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8260B: VOLATILES						Analyst: **AG**	
Tetrachloroethene (PCE)	ND	1.0		µg/L	1	2/25/2016 6:42:33 PM	R32398
trans-1,2-DCE	ND	1.0		µg/L	1	2/25/2016 6:42:33 PM	R32398
trans-1,3-Dichloropropene	ND	1.0		µg/L	1	2/25/2016 6:42:33 PM	R32398
1,2,3-Trichlorobenzene	ND	1.0		µg/L	1	2/25/2016 6:42:33 PM	R32398
1,2,4-Trichlorobenzene	ND	1.0		µg/L	1	2/25/2016 6:42:33 PM	R32398
1,1,1-Trichloroethane	ND	1.0		µg/L	1	2/25/2016 6:42:33 PM	R32398
1,1,2-Trichloroethane	ND	1.0		µg/L	1	2/25/2016 6:42:33 PM	R32398
Trichloroethene (TCE)	ND	1.0		µg/L	1	2/25/2016 6:42:33 PM	R32398
Trichlorofluoromethane	ND	1.0		µg/L	1	2/25/2016 6:42:33 PM	R32398
1,2,3-Trichloropropane	ND	2.0		µg/L	1	2/25/2016 6:42:33 PM	R32398
Vinyl chloride	ND	1.0		µg/L	1	2/25/2016 6:42:33 PM	R32398
Xylenes, Total	ND	1.5		µg/L	1	2/25/2016 6:42:33 PM	R32398
Surr: 1,2-Dichloroethane-d4	104	70-130		%Rec	1	2/25/2016 6:42:33 PM	R32398
Surr: 4-Bromofluorobenzene	98.4	70-130		%Rec	1	2/25/2016 6:42:33 PM	R32398
Surr: Dibromofluoromethane	119	70-130		%Rec	1	2/25/2016 6:42:33 PM	R32398
Surr: Toluene-d8	102	70-130		%Rec	1	2/25/2016 6:42:33 PM	R32398

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

Qualifiers:

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

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Biotech Remediation, Inc. **Client Sample ID:** TW-31
Project: Thriftway #810 **Collection Date:** 2/19/2016 10:40:00 AM
Lab ID: 1602948-004 **Matrix:** AQUEOUS **Received Date:** 2/23/2016 8:00:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analyst:	**LGT**
Fluoride	ND	0.50		mg/L	5	2/26/2016 2:08:47 PM	R32449
Chloride	400	10	*	mg/L	20	2/26/2016 2:21:11 PM	R32449
Bromide	0.77	0.50		mg/L	5	2/26/2016 2:08:47 PM	R32449
Phosphorus, Orthophosphate (As P)	ND	2.5	H	mg/L	5	2/26/2016 2:08:47 PM	R32449
Sulfate	1700	50	*	mg/L	100	3/1/2016 7:46:22 PM	A32498
Nitrate+Nitrite as N	ND	1.0		mg/L	5	2/29/2016 11:03:00 AM	R32480
SM2510B: SPECIFIC CONDUCTANCE						Analyst:	**JRR**
Conductivity	5100	0.010		µmhos/cm	1	2/24/2016 10:49:51 PM	R32387
SM2320B: ALKALINITY						Analyst:	**JRR**
Bicarbonate (As CaCO3)	763.6	20.00		mg/L CaCO3	1	2/24/2016 10:49:51 PM	R32387
Carbonate (As CaCO3)	ND	2.000		mg/L CaCO3	1	2/24/2016 10:49:51 PM	R32387
Total Alkalinity (as CaCO3)	763.6	20.00		mg/L CaCO3	1	2/24/2016 10:49:51 PM	R32387
SM2540C MOD: TOTAL DISSOLVED SOLIDS						Analyst:	**KS**
Total Dissolved Solids	3820	100	*D	mg/L	1	2/25/2016 6:43:00 PM	23918
EPA METHOD 7470: MERCURY						Analyst:	**pmf**
Mercury	ND	0.00020		mg/L	1	2/24/2016 7:02:53 AM	23897
EPA METHOD 6010B: DISSOLVED METALS						Analyst:	**MED**
Calcium	280	20		mg/L	20	3/9/2016 11:55:59 AM	A32664
Lead	ND	0.0050		mg/L	1	3/9/2016 10:21:40 AM	A32664
Magnesium	40	1.0		mg/L	1	3/9/2016 10:21:40 AM	A32664
Potassium	3.3	1.0		mg/L	1	3/9/2016 10:21:40 AM	A32664
Sodium	990	20		mg/L	20	3/9/2016 11:55:59 AM	A32664
EPA 6010B: TOTAL RECOVERABLE METALS						Analyst:	**MED**
Arsenic	0.32	0.020		mg/L	1	2/26/2016 11:14:12 AM	23938
Barium	0.050	0.020		mg/L	1	2/26/2016 11:14:12 AM	23938
Cadmium	ND	0.0020		mg/L	1	2/26/2016 11:14:12 AM	23938
Chromium	ND	0.0060		mg/L	1	2/26/2016 11:14:12 AM	23938
Lead	ND	0.0050		mg/L	1	2/26/2016 11:14:12 AM	23938
Selenium	ND	0.050		mg/L	1	2/26/2016 11:14:12 AM	23938
Silver	ND	0.0050		mg/L	1	2/26/2016 11:14:12 AM	23938
EPA METHOD 8015M/D: DIESEL RANGE						Analyst:	**KJH**
Diesel Range Organics (DRO)	ND	1.0		mg/L	1	2/24/2016 7:12:18 PM	23915
Motor Oil Range Organics (MRO)	ND	5.0		mg/L	1	2/24/2016 7:12:18 PM	23915
Surr: DNOP	94.4	70-141		%Rec	1	2/24/2016 7:12:18 PM	23915
EPA METHOD 8015D: GASOLINE RANGE						Analyst:	**NSB**

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

Qualifiers:

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

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Biotech Remediation, Inc. **Client Sample ID:** TW-31
Project: Thriftway #810 **Collection Date:** 2/19/2016 10:40:00 AM
Lab ID: 1602948-004 **Matrix:** AQUEOUS **Received Date:** 2/23/2016 8:00:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **NSB**	
Gasoline Range Organics (GRO)	ND	0.050		mg/L	1	2/24/2016 2:48:11 PM	A32376
Surr: BFB	85.1	49.5-130		%Rec	1	2/24/2016 2:48:11 PM	A32376
EPA METHOD 8270C: PAHS						Analyst: **DAM**	
Naphthalene	ND	0.50		µg/L	1	2/24/2016 6:51:30 PM	23905
1-Methylnaphthalene	ND	0.50		µg/L	1	2/24/2016 6:51:30 PM	23905
2-Methylnaphthalene	ND	0.50		µg/L	1	2/24/2016 6:51:30 PM	23905
Acenaphthylene	ND	0.50		µg/L	1	2/24/2016 6:51:30 PM	23905
Acenaphthene	ND	0.50		µg/L	1	2/24/2016 6:51:30 PM	23905
Fluorene	ND	0.50		µg/L	1	2/24/2016 6:51:30 PM	23905
Phenanthrene	ND	0.50		µg/L	1	2/24/2016 6:51:30 PM	23905
Anthracene	ND	0.50		µg/L	1	2/24/2016 6:51:30 PM	23905
Fluoranthene	ND	0.50		µg/L	1	2/24/2016 6:51:30 PM	23905
Pyrene	ND	0.50		µg/L	1	2/24/2016 6:51:30 PM	23905
Benz(a)anthracene	ND	0.50		µg/L	1	2/24/2016 6:51:30 PM	23905
Chrysene	ND	0.50		µg/L	1	2/24/2016 6:51:30 PM	23905
Benzo(b)fluoranthene	ND	0.50		µg/L	1	2/24/2016 6:51:30 PM	23905
Benzo(k)fluoranthene	ND	0.50		µg/L	1	2/24/2016 6:51:30 PM	23905
Benzo(a)pyrene	ND	0.50		µg/L	1	2/24/2016 6:51:30 PM	23905
Dibenz(a,h)anthracene	ND	0.50		µg/L	1	2/24/2016 6:51:30 PM	23905
Benzo(g,h,i)perylene	ND	0.50		µg/L	1	2/24/2016 6:51:30 PM	23905
Indeno(1,2,3-cd)pyrene	ND	0.50		µg/L	1	2/24/2016 6:51:30 PM	23905
Surr: N-hexadecane	28.1	20.2-162		%Rec	1	2/24/2016 6:51:30 PM	23905
Surr: Benzo(e)pyrene	30.9	21.1-159		%Rec	1	2/24/2016 6:51:30 PM	23905
EPA METHOD 8260B: VOLATILES						Analyst: **AG**	
Benzene	ND	1.0		µg/L	1	2/25/2016 7:11:19 PM	R32398
Toluene	ND	1.0		µg/L	1	2/25/2016 7:11:19 PM	R32398
Ethylbenzene	ND	1.0		µg/L	1	2/25/2016 7:11:19 PM	R32398
Methyl tert-butyl ether (MTBE)	10	1.0		µg/L	1	2/25/2016 7:11:19 PM	R32398
1,2,4-Trimethylbenzene	ND	1.0		µg/L	1	2/25/2016 7:11:19 PM	R32398
1,3,5-Trimethylbenzene	ND	1.0		µg/L	1	2/25/2016 7:11:19 PM	R32398
1,2-Dichloroethane (EDC)	ND	1.0		µg/L	1	2/25/2016 7:11:19 PM	R32398
1,2-Dibromoethane (EDB)	ND	1.0		µg/L	1	2/25/2016 7:11:19 PM	R32398
Naphthalene	ND	2.0		µg/L	1	2/25/2016 7:11:19 PM	R32398
1-Methylnaphthalene	ND	4.0		µg/L	1	2/25/2016 7:11:19 PM	R32398
2-Methylnaphthalene	ND	4.0		µg/L	1	2/25/2016 7:11:19 PM	R32398
Acetone	ND	10		µg/L	1	2/25/2016 7:11:19 PM	R32398
Bromobenzene	ND	1.0		µg/L	1	2/25/2016 7:11:19 PM	R32398
Bromodichloromethane	ND	1.0		µg/L	1	2/25/2016 7:11:19 PM	R32398

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Qualifiers:

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

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Biotech Remediation, Inc. **Client Sample ID:** TW-31
Project: Thriftway #810 **Collection Date:** 2/19/2016 10:40:00 AM
Lab ID: 1602948-004 **Matrix:** AQUEOUS **Received Date:** 2/23/2016 8:00:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8260B: VOLATILES						Analyst: **AG**	
Bromoform	ND	1.0		µg/L	1	2/25/2016 7:11:19 PM	R32398
Bromomethane	ND	3.0		µg/L	1	2/25/2016 7:11:19 PM	R32398
2-Butanone	ND	10		µg/L	1	2/25/2016 7:11:19 PM	R32398
Carbon disulfide	ND	10		µg/L	1	2/25/2016 7:11:19 PM	R32398
Carbon Tetrachloride	ND	1.0		µg/L	1	2/25/2016 7:11:19 PM	R32398
Chlorobenzene	ND	1.0		µg/L	1	2/25/2016 7:11:19 PM	R32398
Chloroethane	ND	2.0		µg/L	1	2/25/2016 7:11:19 PM	R32398
Chloroform	ND	1.0		µg/L	1	2/25/2016 7:11:19 PM	R32398
Chloromethane	ND	3.0		µg/L	1	2/25/2016 7:11:19 PM	R32398
2-Chlorotoluene	ND	1.0		µg/L	1	2/25/2016 7:11:19 PM	R32398
4-Chlorotoluene	ND	1.0		µg/L	1	2/25/2016 7:11:19 PM	R32398
cis-1,2-DCE	ND	1.0		µg/L	1	2/25/2016 7:11:19 PM	R32398
cis-1,3-Dichloropropene	ND	1.0		µg/L	1	2/25/2016 7:11:19 PM	R32398
1,2-Dibromo-3-chloropropane	ND	2.0		µg/L	1	2/25/2016 7:11:19 PM	R32398
Dibromochloromethane	ND	1.0		µg/L	1	2/25/2016 7:11:19 PM	R32398
Dibromomethane	ND	1.0		µg/L	1	2/25/2016 7:11:19 PM	R32398
1,2-Dichlorobenzene	ND	1.0		µg/L	1	2/25/2016 7:11:19 PM	R32398
1,3-Dichlorobenzene	ND	1.0		µg/L	1	2/25/2016 7:11:19 PM	R32398
1,4-Dichlorobenzene	ND	1.0		µg/L	1	2/25/2016 7:11:19 PM	R32398
Dichlorodifluoromethane	ND	1.0		µg/L	1	2/25/2016 7:11:19 PM	R32398
1,1-Dichloroethane	ND	1.0		µg/L	1	2/25/2016 7:11:19 PM	R32398
1,1-Dichloroethene	ND	1.0		µg/L	1	2/25/2016 7:11:19 PM	R32398
1,2-Dichloropropane	ND	1.0		µg/L	1	2/25/2016 7:11:19 PM	R32398
1,3-Dichloropropane	ND	1.0		µg/L	1	2/25/2016 7:11:19 PM	R32398
2,2-Dichloropropane	ND	2.0		µg/L	1	2/25/2016 7:11:19 PM	R32398
1,1-Dichloropropene	ND	1.0		µg/L	1	2/25/2016 7:11:19 PM	R32398
Hexachlorobutadiene	ND	1.0		µg/L	1	2/25/2016 7:11:19 PM	R32398
2-Hexanone	ND	10		µg/L	1	2/25/2016 7:11:19 PM	R32398
Isopropylbenzene	ND	1.0		µg/L	1	2/25/2016 7:11:19 PM	R32398
4-Isopropyltoluene	ND	1.0		µg/L	1	2/25/2016 7:11:19 PM	R32398
4-Methyl-2-pentanone	ND	10		µg/L	1	2/25/2016 7:11:19 PM	R32398
Methylene Chloride	ND	3.0		µg/L	1	2/25/2016 7:11:19 PM	R32398
n-Butylbenzene	ND	3.0		µg/L	1	2/25/2016 7:11:19 PM	R32398
n-Propylbenzene	ND	1.0		µg/L	1	2/25/2016 7:11:19 PM	R32398
sec-Butylbenzene	ND	1.0		µg/L	1	2/25/2016 7:11:19 PM	R32398
Styrene	ND	1.0		µg/L	1	2/25/2016 7:11:19 PM	R32398
tert-Butylbenzene	ND	1.0		µg/L	1	2/25/2016 7:11:19 PM	R32398
1,1,1,2-Tetrachloroethane	ND	1.0		µg/L	1	2/25/2016 7:11:19 PM	R32398
1,1,2,2-Tetrachloroethane	ND	2.0		µg/L	1	2/25/2016 7:11:19 PM	R32398

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

Qualifiers:

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

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Biotech Remediation, Inc. **Client Sample ID:** TW-31
Project: Thriftway #810 **Collection Date:** 2/19/2016 10:40:00 AM
Lab ID: 1602948-004 **Matrix:** AQUEOUS **Received Date:** 2/23/2016 8:00:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8260B: VOLATILES						Analyst: **AG**	
Tetrachloroethene (PCE)	ND	1.0		µg/L	1	2/25/2016 7:11:19 PM	R32398
trans-1,2-DCE	ND	1.0		µg/L	1	2/25/2016 7:11:19 PM	R32398
trans-1,3-Dichloropropene	ND	1.0		µg/L	1	2/25/2016 7:11:19 PM	R32398
1,2,3-Trichlorobenzene	ND	1.0		µg/L	1	2/25/2016 7:11:19 PM	R32398
1,2,4-Trichlorobenzene	ND	1.0		µg/L	1	2/25/2016 7:11:19 PM	R32398
1,1,1-Trichloroethane	ND	1.0		µg/L	1	2/25/2016 7:11:19 PM	R32398
1,1,2-Trichloroethane	ND	1.0		µg/L	1	2/25/2016 7:11:19 PM	R32398
Trichloroethene (TCE)	ND	1.0		µg/L	1	2/25/2016 7:11:19 PM	R32398
Trichlorofluoromethane	ND	1.0		µg/L	1	2/25/2016 7:11:19 PM	R32398
1,2,3-Trichloropropane	ND	2.0		µg/L	1	2/25/2016 7:11:19 PM	R32398
Vinyl chloride	ND	1.0		µg/L	1	2/25/2016 7:11:19 PM	R32398
Xylenes, Total	ND	1.5		µg/L	1	2/25/2016 7:11:19 PM	R32398
Surr: 1,2-Dichloroethane-d4	96.2	70-130		%Rec	1	2/25/2016 7:11:19 PM	R32398
Surr: 4-Bromofluorobenzene	112	70-130		%Rec	1	2/25/2016 7:11:19 PM	R32398
Surr: Dibromofluoromethane	109	70-130		%Rec	1	2/25/2016 7:11:19 PM	R32398
Surr: Toluene-d8	108	70-130		%Rec	1	2/25/2016 7:11:19 PM	R32398

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

Qualifiers:

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

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Biotech Remediation, Inc. **Client Sample ID:** TW-39
Project: Thriftway #810 **Collection Date:** 2/19/2016 11:30:00 AM
Lab ID: 1602948-005 **Matrix:** AQUEOUS **Received Date:** 2/23/2016 8:00:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analyst:	**LGT**
Fluoride	0.56	0.50		mg/L	5	2/26/2016 2:33:36 PM	R32449
Chloride	280	10	*	mg/L	20	2/26/2016 2:46:01 PM	R32449
Bromide	0.75	0.50		mg/L	5	2/26/2016 2:33:36 PM	R32449
Phosphorus, Orthophosphate (As P)	ND	2.5	H	mg/L	5	2/26/2016 2:33:36 PM	R32449
Sulfate	1100	25	*	mg/L	50	3/1/2016 7:58:47 PM	A32498
Nitrate+Nitrite as N	ND	1.0		mg/L	5	2/29/2016 11:15:25 AM	R32480
SM2510B: SPECIFIC CONDUCTANCE						Analyst:	**JRR**
Conductivity	4100	0.010		µmhos/cm	1	2/24/2016 11:18:50 PM	R32387
SM2320B: ALKALINITY						Analyst:	**JRR**
Bicarbonate (As CaCO3)	1029	20.00		mg/L CaCO3	1	2/24/2016 11:18:50 PM	R32387
Carbonate (As CaCO3)	ND	2.000		mg/L CaCO3	1	2/24/2016 11:18:50 PM	R32387
Total Alkalinity (as CaCO3)	1029	20.00		mg/L CaCO3	1	2/24/2016 11:18:50 PM	R32387
SM2540C MOD: TOTAL DISSOLVED SOLIDS						Analyst:	**KS**
Total Dissolved Solids	3010	40.0	*D	mg/L	1	2/25/2016 6:43:00 PM	23918
EPA METHOD 7470: MERCURY						Analyst:	**pmf**
Mercury	ND	0.00020		mg/L	1	2/24/2016 7:04:59 AM	23897
EPA METHOD 6010B: DISSOLVED METALS						Analyst:	**MED**
Calcium	240	10		mg/L	10	3/9/2016 11:57:34 AM	A32664
Lead	ND	0.0050		mg/L	1	3/9/2016 10:23:15 AM	A32664
Magnesium	33	1.0		mg/L	1	3/9/2016 10:23:15 AM	A32664
Potassium	3.6	1.0		mg/L	1	3/9/2016 10:23:15 AM	A32664
Sodium	700	10		mg/L	10	3/9/2016 11:57:34 AM	A32664
EPA 6010B: TOTAL RECOVERABLE METALS						Analyst:	**MED**
Arsenic	ND	0.020		mg/L	1	2/26/2016 11:15:31 AM	23938
Barium	0.074	0.020		mg/L	1	2/26/2016 11:15:31 AM	23938
Cadmium	ND	0.0020		mg/L	1	2/26/2016 11:15:31 AM	23938
Chromium	ND	0.0060		mg/L	1	2/26/2016 11:15:31 AM	23938
Lead	ND	0.0050		mg/L	1	2/26/2016 11:15:31 AM	23938
Selenium	ND	0.050		mg/L	1	2/26/2016 11:15:31 AM	23938
Silver	ND	0.0050		mg/L	1	2/26/2016 11:15:31 AM	23938
EPA METHOD 8015M/D: DIESEL RANGE						Analyst:	**KJH**
Diesel Range Organics (DRO)	ND	1.0		mg/L	1	2/24/2016 7:33:46 PM	23915
Motor Oil Range Organics (MRO)	ND	5.0		mg/L	1	2/24/2016 7:33:46 PM	23915
Surr: DNOP	93.4	70-141		%Rec	1	2/24/2016 7:33:46 PM	23915
EPA METHOD 8015D: GASOLINE RANGE						Analyst:	**NSB**

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

Qualifiers:

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

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Biotech Remediation, Inc. **Client Sample ID:** TW-39
Project: Thriftway #810 **Collection Date:** 2/19/2016 11:30:00 AM
Lab ID: 1602948-005 **Matrix:** AQUEOUS **Received Date:** 2/23/2016 8:00:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **NSB**	
Gasoline Range Organics (GRO)	0.35	0.050		mg/L	1	2/24/2016 3:12:55 PM	A32376
Surr: BFB	116	49.5-130		%Rec	1	2/24/2016 3:12:55 PM	A32376
EPA METHOD 8270C: PAHS						Analyst: **DAM**	
Naphthalene	ND	0.50		µg/L	1	2/24/2016 7:15:39 PM	23905
1-Methylnaphthalene	ND	0.50		µg/L	1	2/24/2016 7:15:39 PM	23905
2-Methylnaphthalene	ND	0.50		µg/L	1	2/24/2016 7:15:39 PM	23905
Acenaphthylene	ND	0.50		µg/L	1	2/24/2016 7:15:39 PM	23905
Acenaphthene	ND	0.50		µg/L	1	2/24/2016 7:15:39 PM	23905
Fluorene	0.96	0.50		µg/L	1	2/24/2016 7:15:39 PM	23905
Phenanthrene	ND	0.50		µg/L	1	2/24/2016 7:15:39 PM	23905
Anthracene	ND	0.50		µg/L	1	2/24/2016 7:15:39 PM	23905
Fluoranthene	ND	0.50		µg/L	1	2/24/2016 7:15:39 PM	23905
Pyrene	ND	0.50		µg/L	1	2/24/2016 7:15:39 PM	23905
Benz(a)anthracene	ND	0.50		µg/L	1	2/24/2016 7:15:39 PM	23905
Chrysene	ND	0.50		µg/L	1	2/24/2016 7:15:39 PM	23905
Benzo(b)fluoranthene	ND	0.50		µg/L	1	2/24/2016 7:15:39 PM	23905
Benzo(k)fluoranthene	ND	0.50		µg/L	1	2/24/2016 7:15:39 PM	23905
Benzo(a)pyrene	ND	0.50		µg/L	1	2/24/2016 7:15:39 PM	23905
Dibenz(a,h)anthracene	ND	0.50		µg/L	1	2/24/2016 7:15:39 PM	23905
Benzo(g,h,i)perylene	ND	0.50		µg/L	1	2/24/2016 7:15:39 PM	23905
Indeno(1,2,3-cd)pyrene	ND	0.50		µg/L	1	2/24/2016 7:15:39 PM	23905
Surr: N-hexadecane	41.7	20.2-162		%Rec	1	2/24/2016 7:15:39 PM	23905
Surr: Benzo(e)pyrene	40.8	21.1-159		%Rec	1	2/24/2016 7:15:39 PM	23905
EPA METHOD 8260B: VOLATILES						Analyst: **AG**	
Benzene	ND	1.0		µg/L	1	2/26/2016 1:20:09 PM	R32448
Toluene	ND	1.0		µg/L	1	2/26/2016 1:20:09 PM	R32448
Ethylbenzene	ND	1.0		µg/L	1	2/26/2016 1:20:09 PM	R32448
Methyl tert-butyl ether (MTBE)	8.8	1.0		µg/L	1	2/26/2016 1:20:09 PM	R32448
1,2,4-Trimethylbenzene	ND	1.0		µg/L	1	2/26/2016 1:20:09 PM	R32448
1,3,5-Trimethylbenzene	ND	1.0		µg/L	1	2/26/2016 1:20:09 PM	R32448
1,2-Dichloroethane (EDC)	ND	1.0		µg/L	1	2/26/2016 1:20:09 PM	R32448
1,2-Dibromoethane (EDB)	ND	1.0		µg/L	1	2/26/2016 1:20:09 PM	R32448
Naphthalene	ND	2.0		µg/L	1	2/26/2016 1:20:09 PM	R32448
1-Methylnaphthalene	ND	4.0		µg/L	1	2/26/2016 1:20:09 PM	R32448
2-Methylnaphthalene	ND	4.0		µg/L	1	2/26/2016 1:20:09 PM	R32448
Acetone	ND	10		µg/L	1	2/26/2016 1:20:09 PM	R32448
Bromobenzene	ND	1.0		µg/L	1	2/26/2016 1:20:09 PM	R32448
Bromodichloromethane	ND	1.0		µg/L	1	2/26/2016 1:20:09 PM	R32448

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

Qualifiers:

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

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Biotech Remediation, Inc. **Client Sample ID:** TW-39
Project: Thriftway #810 **Collection Date:** 2/19/2016 11:30:00 AM
Lab ID: 1602948-005 **Matrix:** AQUEOUS **Received Date:** 2/23/2016 8:00:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8260B: VOLATILES						Analyst: **AG**	
Bromoform	ND	1.0		µg/L	1	2/26/2016 1:20:09 PM	R32448
Bromomethane	ND	3.0		µg/L	1	2/26/2016 1:20:09 PM	R32448
2-Butanone	ND	10		µg/L	1	2/26/2016 1:20:09 PM	R32448
Carbon disulfide	ND	10		µg/L	1	2/26/2016 1:20:09 PM	R32448
Carbon Tetrachloride	ND	1.0		µg/L	1	2/26/2016 1:20:09 PM	R32448
Chlorobenzene	ND	1.0		µg/L	1	2/26/2016 1:20:09 PM	R32448
Chloroethane	ND	2.0		µg/L	1	2/26/2016 1:20:09 PM	R32448
Chloroform	ND	1.0		µg/L	1	2/26/2016 1:20:09 PM	R32448
Chloromethane	ND	3.0		µg/L	1	2/26/2016 1:20:09 PM	R32448
2-Chlorotoluene	ND	1.0		µg/L	1	2/26/2016 1:20:09 PM	R32448
4-Chlorotoluene	ND	1.0		µg/L	1	2/26/2016 1:20:09 PM	R32448
cis-1,2-DCE	ND	1.0		µg/L	1	2/26/2016 1:20:09 PM	R32448
cis-1,3-Dichloropropene	ND	1.0		µg/L	1	2/26/2016 1:20:09 PM	R32448
1,2-Dibromo-3-chloropropane	ND	2.0		µg/L	1	2/26/2016 1:20:09 PM	R32448
Dibromochloromethane	ND	1.0		µg/L	1	2/26/2016 1:20:09 PM	R32448
Dibromomethane	ND	1.0		µg/L	1	2/26/2016 1:20:09 PM	R32448
1,2-Dichlorobenzene	ND	1.0		µg/L	1	2/26/2016 1:20:09 PM	R32448
1,3-Dichlorobenzene	ND	1.0		µg/L	1	2/26/2016 1:20:09 PM	R32448
1,4-Dichlorobenzene	ND	1.0		µg/L	1	2/26/2016 1:20:09 PM	R32448
Dichlorodifluoromethane	ND	1.0		µg/L	1	2/26/2016 1:20:09 PM	R32448
1,1-Dichloroethane	ND	1.0		µg/L	1	2/26/2016 1:20:09 PM	R32448
1,1-Dichloroethene	ND	1.0		µg/L	1	2/26/2016 1:20:09 PM	R32448
1,2-Dichloropropane	ND	1.0		µg/L	1	2/26/2016 1:20:09 PM	R32448
1,3-Dichloropropane	ND	1.0		µg/L	1	2/26/2016 1:20:09 PM	R32448
2,2-Dichloropropane	ND	2.0		µg/L	1	2/26/2016 1:20:09 PM	R32448
1,1-Dichloropropene	ND	1.0		µg/L	1	2/26/2016 1:20:09 PM	R32448
Hexachlorobutadiene	ND	1.0		µg/L	1	2/26/2016 1:20:09 PM	R32448
2-Hexanone	ND	10		µg/L	1	2/26/2016 1:20:09 PM	R32448
Isopropylbenzene	ND	1.0		µg/L	1	2/26/2016 1:20:09 PM	R32448
4-Isopropyltoluene	ND	1.0		µg/L	1	2/26/2016 1:20:09 PM	R32448
4-Methyl-2-pentanone	ND	10		µg/L	1	2/26/2016 1:20:09 PM	R32448
Methylene Chloride	ND	3.0		µg/L	1	2/26/2016 1:20:09 PM	R32448
n-Butylbenzene	ND	3.0		µg/L	1	2/26/2016 1:20:09 PM	R32448
n-Propylbenzene	ND	1.0		µg/L	1	2/26/2016 1:20:09 PM	R32448
sec-Butylbenzene	ND	1.0		µg/L	1	2/26/2016 1:20:09 PM	R32448
Styrene	ND	1.0		µg/L	1	2/26/2016 1:20:09 PM	R32448
tert-Butylbenzene	ND	1.0		µg/L	1	2/26/2016 1:20:09 PM	R32448
1,1,1,2-Tetrachloroethane	ND	1.0		µg/L	1	2/26/2016 1:20:09 PM	R32448
1,1,2,2-Tetrachloroethane	ND	2.0		µg/L	1	2/26/2016 1:20:09 PM	R32448

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

Qualifiers:

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

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Biotech Remediation, Inc. **Client Sample ID:** TW-39
Project: Thriftway #810 **Collection Date:** 2/19/2016 11:30:00 AM
Lab ID: 1602948-005 **Matrix:** AQUEOUS **Received Date:** 2/23/2016 8:00:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8260B: VOLATILES						Analyst: **AG**	
Tetrachloroethene (PCE)	ND	1.0		µg/L	1	2/26/2016 1:20:09 PM	R32448
trans-1,2-DCE	ND	1.0		µg/L	1	2/26/2016 1:20:09 PM	R32448
trans-1,3-Dichloropropene	ND	1.0		µg/L	1	2/26/2016 1:20:09 PM	R32448
1,2,3-Trichlorobenzene	ND	1.0		µg/L	1	2/26/2016 1:20:09 PM	R32448
1,2,4-Trichlorobenzene	ND	1.0		µg/L	1	2/26/2016 1:20:09 PM	R32448
1,1,1-Trichloroethane	ND	1.0		µg/L	1	2/26/2016 1:20:09 PM	R32448
1,1,2-Trichloroethane	ND	1.0		µg/L	1	2/26/2016 1:20:09 PM	R32448
Trichloroethene (TCE)	ND	1.0		µg/L	1	2/26/2016 1:20:09 PM	R32448
Trichlorofluoromethane	ND	1.0		µg/L	1	2/26/2016 1:20:09 PM	R32448
1,2,3-Trichloropropane	ND	2.0		µg/L	1	2/26/2016 1:20:09 PM	R32448
Vinyl chloride	ND	1.0		µg/L	1	2/26/2016 1:20:09 PM	R32448
Xylenes, Total	ND	1.5		µg/L	1	2/26/2016 1:20:09 PM	R32448
Surr: 1,2-Dichloroethane-d4	95.5	70-130		%Rec	1	2/26/2016 1:20:09 PM	R32448
Surr: 4-Bromofluorobenzene	99.3	70-130		%Rec	1	2/26/2016 1:20:09 PM	R32448
Surr: Dibromofluoromethane	110	70-130		%Rec	1	2/26/2016 1:20:09 PM	R32448
Surr: Toluene-d8	102	70-130		%Rec	1	2/26/2016 1:20:09 PM	R32448

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

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Biotech Remediation, Inc. **Client Sample ID:** MW-7
Project: Thriftway #810 **Collection Date:** 2/19/2016 12:10:00 PM
Lab ID: 1602948-006 **Matrix:** AQUEOUS **Received Date:** 2/23/2016 8:00:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analyst:	**LGT**
Fluoride	ND	0.50		mg/L	5	2/26/2016 2:58:25 PM	R32449
Chloride	370	10	*	mg/L	20	2/26/2016 3:10:49 PM	R32449
Bromide	ND	0.50		mg/L	5	2/26/2016 2:58:25 PM	R32449
Phosphorus, Orthophosphate (As P)	ND	2.5	H	mg/L	5	2/26/2016 2:58:25 PM	R32449
Sulfate	2000	50	*	mg/L	100	3/1/2016 8:11:11 PM	A32498
Nitrate+Nitrite as N	ND	1.0		mg/L	5	2/29/2016 12:05:03 PM	R32480
SM2510B: SPECIFIC CONDUCTANCE						Analyst:	**JRR**
Conductivity	5200	0.010		µmhos/cm	1	2/24/2016 11:54:16 PM	R32387
SM2320B: ALKALINITY						Analyst:	**JRR**
Bicarbonate (As CaCO3)	591.2	20.00		mg/L CaCO3	1	2/24/2016 11:54:16 PM	R32387
Carbonate (As CaCO3)	ND	2.000		mg/L CaCO3	1	2/24/2016 11:54:16 PM	R32387
Total Alkalinity (as CaCO3)	591.2	20.00		mg/L CaCO3	1	2/24/2016 11:54:16 PM	R32387
SM2540C MOD: TOTAL DISSOLVED SOLIDS						Analyst:	**KS**
Total Dissolved Solids	4220	100	*D	mg/L	1	2/25/2016 6:43:00 PM	23918
EPA METHOD 7470: MERCURY						Analyst:	**pmf**
Mercury	ND	0.00020		mg/L	1	2/24/2016 7:07:03 AM	23897
EPA METHOD 6010B: DISSOLVED METALS						Analyst:	**MED**
Calcium	360	20		mg/L	20	3/9/2016 11:59:08 AM	A32664
Lead	ND	0.0050		mg/L	1	3/9/2016 10:24:56 AM	A32664
Magnesium	47	1.0		mg/L	1	3/9/2016 10:24:56 AM	A32664
Potassium	5.6	1.0		mg/L	1	3/9/2016 10:24:56 AM	A32664
Sodium	980	20		mg/L	20	3/9/2016 11:59:08 AM	A32664
EPA 6010B: TOTAL RECOVERABLE METALS						Analyst:	**MED**
Arsenic	0.14	0.020		mg/L	1	2/26/2016 11:16:50 AM	23938
Barium	0.043	0.020		mg/L	1	2/26/2016 11:16:50 AM	23938
Cadmium	ND	0.0020		mg/L	1	2/26/2016 11:16:50 AM	23938
Chromium	ND	0.0060		mg/L	1	2/26/2016 11:16:50 AM	23938
Lead	ND	0.0050		mg/L	1	2/26/2016 11:16:50 AM	23938
Selenium	ND	0.050		mg/L	1	2/26/2016 11:16:50 AM	23938
Silver	ND	0.0050		mg/L	1	2/26/2016 11:16:50 AM	23938
EPA METHOD 8015M/D: DIESEL RANGE						Analyst:	**KJH**
Diesel Range Organics (DRO)	ND	1.0		mg/L	1	2/25/2016 3:11:46 PM	23915
Motor Oil Range Organics (MRO)	ND	5.0		mg/L	1	2/25/2016 3:11:46 PM	23915
Surr: DNOP	91.0	70-141		%Rec	1	2/25/2016 3:11:46 PM	23915
EPA METHOD 8015D: GASOLINE RANGE						Analyst:	**NSB**

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Qualifiers:

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

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Biotech Remediation, Inc. **Client Sample ID:** MW-7
Project: Thriftway #810 **Collection Date:** 2/19/2016 12:10:00 PM
Lab ID: 1602948-006 **Matrix:** AQUEOUS **Received Date:** 2/23/2016 8:00:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **NSB**	
Gasoline Range Organics (GRO)	ND	0.050		mg/L	1	2/24/2016 3:37:35 PM	A32376
Surr: BFB	90.9	49.5-130		%Rec	1	2/24/2016 3:37:35 PM	A32376
EPA METHOD 8270C: PAHS						Analyst: **DAM**	
Naphthalene	ND	0.50		µg/L	1	2/24/2016 7:39:48 PM	23905
1-Methylnaphthalene	ND	0.50		µg/L	1	2/24/2016 7:39:48 PM	23905
2-Methylnaphthalene	ND	0.50		µg/L	1	2/24/2016 7:39:48 PM	23905
Acenaphthylene	ND	0.50		µg/L	1	2/24/2016 7:39:48 PM	23905
Acenaphthene	ND	0.50		µg/L	1	2/24/2016 7:39:48 PM	23905
Fluorene	ND	0.50		µg/L	1	2/24/2016 7:39:48 PM	23905
Phenanthrene	ND	0.50		µg/L	1	2/24/2016 7:39:48 PM	23905
Anthracene	ND	0.50		µg/L	1	2/24/2016 7:39:48 PM	23905
Fluoranthene	ND	0.50		µg/L	1	2/24/2016 7:39:48 PM	23905
Pyrene	ND	0.50		µg/L	1	2/24/2016 7:39:48 PM	23905
Benz(a)anthracene	ND	0.50		µg/L	1	2/24/2016 7:39:48 PM	23905
Chrysene	ND	0.50		µg/L	1	2/24/2016 7:39:48 PM	23905
Benzo(b)fluoranthene	ND	0.50		µg/L	1	2/24/2016 7:39:48 PM	23905
Benzo(k)fluoranthene	ND	0.50		µg/L	1	2/24/2016 7:39:48 PM	23905
Benzo(a)pyrene	ND	0.50		µg/L	1	2/24/2016 7:39:48 PM	23905
Dibenz(a,h)anthracene	ND	0.50		µg/L	1	2/24/2016 7:39:48 PM	23905
Benzo(g,h,i)perylene	ND	0.50		µg/L	1	2/24/2016 7:39:48 PM	23905
Indeno(1,2,3-cd)pyrene	ND	0.50		µg/L	1	2/24/2016 7:39:48 PM	23905
Surr: N-hexadecane	39.3	20.2-162		%Rec	1	2/24/2016 7:39:48 PM	23905
Surr: Benzo(e)pyrene	37.5	21.1-159		%Rec	1	2/24/2016 7:39:48 PM	23905
EPA METHOD 8260B: VOLATILES						Analyst: **AG**	
Benzene	ND	1.0		µg/L	1	2/25/2016 8:08:58 PM	R32398
Toluene	ND	1.0		µg/L	1	2/25/2016 8:08:58 PM	R32398
Ethylbenzene	ND	1.0		µg/L	1	2/25/2016 8:08:58 PM	R32398
Methyl tert-butyl ether (MTBE)	7.8	1.0		µg/L	1	2/25/2016 8:08:58 PM	R32398
1,2,4-Trimethylbenzene	ND	1.0		µg/L	1	2/25/2016 8:08:58 PM	R32398
1,3,5-Trimethylbenzene	ND	1.0		µg/L	1	2/25/2016 8:08:58 PM	R32398
1,2-Dichloroethane (EDC)	ND	1.0		µg/L	1	2/25/2016 8:08:58 PM	R32398
1,2-Dibromoethane (EDB)	ND	1.0		µg/L	1	2/25/2016 8:08:58 PM	R32398
Naphthalene	ND	2.0		µg/L	1	2/25/2016 8:08:58 PM	R32398
1-Methylnaphthalene	ND	4.0		µg/L	1	2/25/2016 8:08:58 PM	R32398
2-Methylnaphthalene	ND	4.0		µg/L	1	2/25/2016 8:08:58 PM	R32398
Acetone	ND	10		µg/L	1	2/25/2016 8:08:58 PM	R32398
Bromobenzene	ND	1.0		µg/L	1	2/25/2016 8:08:58 PM	R32398
Bromodichloromethane	ND	1.0		µg/L	1	2/25/2016 8:08:58 PM	R32398

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

Qualifiers:

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

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Biotech Remediation, Inc. **Client Sample ID:** MW-7
Project: Thriftway #810 **Collection Date:** 2/19/2016 12:10:00 PM
Lab ID: 1602948-006 **Matrix:** AQUEOUS **Received Date:** 2/23/2016 8:00:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8260B: VOLATILES						Analyst: **AG**	
Bromoform	ND	1.0		µg/L	1	2/25/2016 8:08:58 PM	R32398
Bromomethane	ND	3.0		µg/L	1	2/25/2016 8:08:58 PM	R32398
2-Butanone	ND	10		µg/L	1	2/25/2016 8:08:58 PM	R32398
Carbon disulfide	ND	10		µg/L	1	2/25/2016 8:08:58 PM	R32398
Carbon Tetrachloride	ND	1.0		µg/L	1	2/25/2016 8:08:58 PM	R32398
Chlorobenzene	ND	1.0		µg/L	1	2/25/2016 8:08:58 PM	R32398
Chloroethane	ND	2.0		µg/L	1	2/25/2016 8:08:58 PM	R32398
Chloroform	ND	1.0		µg/L	1	2/25/2016 8:08:58 PM	R32398
Chloromethane	ND	3.0		µg/L	1	2/25/2016 8:08:58 PM	R32398
2-Chlorotoluene	ND	1.0		µg/L	1	2/25/2016 8:08:58 PM	R32398
4-Chlorotoluene	ND	1.0		µg/L	1	2/25/2016 8:08:58 PM	R32398
cis-1,2-DCE	ND	1.0		µg/L	1	2/25/2016 8:08:58 PM	R32398
cis-1,3-Dichloropropene	ND	1.0		µg/L	1	2/25/2016 8:08:58 PM	R32398
1,2-Dibromo-3-chloropropane	ND	2.0		µg/L	1	2/25/2016 8:08:58 PM	R32398
Dibromochloromethane	ND	1.0		µg/L	1	2/25/2016 8:08:58 PM	R32398
Dibromomethane	ND	1.0		µg/L	1	2/25/2016 8:08:58 PM	R32398
1,2-Dichlorobenzene	ND	1.0		µg/L	1	2/25/2016 8:08:58 PM	R32398
1,3-Dichlorobenzene	ND	1.0		µg/L	1	2/25/2016 8:08:58 PM	R32398
1,4-Dichlorobenzene	ND	1.0		µg/L	1	2/25/2016 8:08:58 PM	R32398
Dichlorodifluoromethane	ND	1.0		µg/L	1	2/25/2016 8:08:58 PM	R32398
1,1-Dichloroethane	ND	1.0		µg/L	1	2/25/2016 8:08:58 PM	R32398
1,1-Dichloroethene	ND	1.0		µg/L	1	2/25/2016 8:08:58 PM	R32398
1,2-Dichloropropane	ND	1.0		µg/L	1	2/25/2016 8:08:58 PM	R32398
1,3-Dichloropropane	ND	1.0		µg/L	1	2/25/2016 8:08:58 PM	R32398
2,2-Dichloropropane	ND	2.0		µg/L	1	2/25/2016 8:08:58 PM	R32398
1,1-Dichloropropene	ND	1.0		µg/L	1	2/25/2016 8:08:58 PM	R32398
Hexachlorobutadiene	ND	1.0		µg/L	1	2/25/2016 8:08:58 PM	R32398
2-Hexanone	ND	10		µg/L	1	2/25/2016 8:08:58 PM	R32398
Isopropylbenzene	ND	1.0		µg/L	1	2/25/2016 8:08:58 PM	R32398
4-Isopropyltoluene	ND	1.0		µg/L	1	2/25/2016 8:08:58 PM	R32398
4-Methyl-2-pentanone	ND	10		µg/L	1	2/25/2016 8:08:58 PM	R32398
Methylene Chloride	ND	3.0		µg/L	1	2/25/2016 8:08:58 PM	R32398
n-Butylbenzene	ND	3.0		µg/L	1	2/25/2016 8:08:58 PM	R32398
n-Propylbenzene	ND	1.0		µg/L	1	2/25/2016 8:08:58 PM	R32398
sec-Butylbenzene	ND	1.0		µg/L	1	2/25/2016 8:08:58 PM	R32398
Styrene	ND	1.0		µg/L	1	2/25/2016 8:08:58 PM	R32398
tert-Butylbenzene	ND	1.0		µg/L	1	2/25/2016 8:08:58 PM	R32398
1,1,1,2-Tetrachloroethane	ND	1.0		µg/L	1	2/25/2016 8:08:58 PM	R32398
1,1,2,2-Tetrachloroethane	ND	2.0		µg/L	1	2/25/2016 8:08:58 PM	R32398

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

Qualifiers:

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

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Biotech Remediation, Inc. **Client Sample ID:** MW-7
Project: Thriftway #810 **Collection Date:** 2/19/2016 12:10:00 PM
Lab ID: 1602948-006 **Matrix:** AQUEOUS **Received Date:** 2/23/2016 8:00:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8260B: VOLATILES						Analyst: **AG**	
Tetrachloroethene (PCE)	ND	1.0		µg/L	1	2/25/2016 8:08:58 PM	R32398
trans-1,2-DCE	ND	1.0		µg/L	1	2/25/2016 8:08:58 PM	R32398
trans-1,3-Dichloropropene	ND	1.0		µg/L	1	2/25/2016 8:08:58 PM	R32398
1,2,3-Trichlorobenzene	ND	1.0		µg/L	1	2/25/2016 8:08:58 PM	R32398
1,2,4-Trichlorobenzene	ND	1.0		µg/L	1	2/25/2016 8:08:58 PM	R32398
1,1,1-Trichloroethane	ND	1.0		µg/L	1	2/25/2016 8:08:58 PM	R32398
1,1,2-Trichloroethane	ND	1.0		µg/L	1	2/25/2016 8:08:58 PM	R32398
Trichloroethene (TCE)	ND	1.0		µg/L	1	2/25/2016 8:08:58 PM	R32398
Trichlorofluoromethane	ND	1.0		µg/L	1	2/25/2016 8:08:58 PM	R32398
1,2,3-Trichloropropane	ND	2.0		µg/L	1	2/25/2016 8:08:58 PM	R32398
Vinyl chloride	ND	1.0		µg/L	1	2/25/2016 8:08:58 PM	R32398
Xylenes, Total	ND	1.5		µg/L	1	2/25/2016 8:08:58 PM	R32398
Surr: 1,2-Dichloroethane-d4	93.7	70-130		%Rec	1	2/25/2016 8:08:58 PM	R32398
Surr: 4-Bromofluorobenzene	103	70-130		%Rec	1	2/25/2016 8:08:58 PM	R32398
Surr: Dibromofluoromethane	107	70-130		%Rec	1	2/25/2016 8:08:58 PM	R32398
Surr: Toluene-d8	100	70-130		%Rec	1	2/25/2016 8:08:58 PM	R32398

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

Qualifiers:

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

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Biotech Remediation, Inc. **Client Sample ID:** MW-6
Project: Thriftway #810 **Collection Date:** 2/19/2016 1:15:00 PM
Lab ID: 1602948-007 **Matrix:** AQUEOUS **Received Date:** 2/23/2016 8:00:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analyst:	**LGT**
Fluoride	ND	0.50		mg/L	5	2/26/2016 3:23:14 PM	R32449
Chloride	620	50	*	mg/L	100	3/1/2016 8:23:36 PM	A32498
Bromide	1.5	0.50		mg/L	5	2/26/2016 3:23:14 PM	R32449
Phosphorus, Orthophosphate (As P)	ND	2.5	H	mg/L	5	2/26/2016 3:23:14 PM	R32449
Sulfate	2700	50	*	mg/L	100	3/1/2016 8:23:36 PM	A32498
Nitrate+Nitrite as N	ND	1.0		mg/L	5	2/29/2016 12:17:27 PM	R32480
SM2510B: SPECIFIC CONDUCTANCE						Analyst:	**JRR**
Conductivity	7000	0.010		µmhos/cm	1	2/25/2016 12:17:52 AM	R32387
SM2320B: ALKALINITY						Analyst:	**JRR**
Bicarbonate (As CaCO3)	743.4	20.00		mg/L CaCO3	1	2/25/2016 12:17:52 AM	R32387
Carbonate (As CaCO3)	ND	2.000		mg/L CaCO3	1	2/25/2016 12:17:52 AM	R32387
Total Alkalinity (as CaCO3)	743.4	20.00		mg/L CaCO3	1	2/25/2016 12:17:52 AM	R32387
SM2540C MOD: TOTAL DISSOLVED SOLIDS						Analyst:	**KS**
Total Dissolved Solids	5580	100	*D	mg/L	1	2/25/2016 6:43:00 PM	23918
EPA METHOD 7470: MERCURY						Analyst:	**pmf**
Mercury	ND	0.00020		mg/L	1	2/24/2016 7:09:09 AM	23897
EPA METHOD 6010B: DISSOLVED METALS						Analyst:	**MED**
Calcium	370	20		mg/L	20	3/9/2016 12:00:41 PM	A32664
Lead	ND	0.0050		mg/L	1	3/9/2016 10:26:38 AM	A32664
Magnesium	67	1.0		mg/L	1	3/9/2016 10:26:38 AM	A32664
Potassium	8.5	1.0		mg/L	1	3/9/2016 10:26:38 AM	A32664
Sodium	1400	20		mg/L	20	3/9/2016 12:00:41 PM	A32664
EPA 6010B: TOTAL RECOVERABLE METALS						Analyst:	**MED**
Arsenic	ND	0.020		mg/L	1	2/26/2016 11:18:08 AM	23938
Barium	0.033	0.020		mg/L	1	2/26/2016 11:18:08 AM	23938
Cadmium	ND	0.0020		mg/L	1	2/26/2016 11:18:08 AM	23938
Chromium	ND	0.0060		mg/L	1	2/26/2016 11:18:08 AM	23938
Lead	ND	0.0050		mg/L	1	2/26/2016 11:18:08 AM	23938
Selenium	ND	0.050		mg/L	1	2/26/2016 11:18:08 AM	23938
Silver	ND	0.0050		mg/L	1	2/26/2016 11:18:08 AM	23938
EPA METHOD 8015M/D: DIESEL RANGE						Analyst:	**KJH**
Diesel Range Organics (DRO)	ND	1.0		mg/L	1	2/24/2016 8:16:31 PM	23915
Motor Oil Range Organics (MRO)	ND	5.0		mg/L	1	2/24/2016 8:16:31 PM	23915
Surr: DNOP	86.0	70-141		%Rec	1	2/24/2016 8:16:31 PM	23915
EPA METHOD 8015D: GASOLINE RANGE						Analyst:	**NSB**

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

Qualifiers:

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

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Biotech Remediation, Inc. **Client Sample ID:** MW-6
Project: Thriftway #810 **Collection Date:** 2/19/2016 1:15:00 PM
Lab ID: 1602948-007 **Matrix:** AQUEOUS **Received Date:** 2/23/2016 8:00:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **NSB**	
Gasoline Range Organics (GRO)	ND	0.050		mg/L	1	2/24/2016 4:02:21 PM	A32376
Surr: BFB	86.2	49.5-130		%Rec	1	2/24/2016 4:02:21 PM	A32376
EPA METHOD 8270C: PAHS						Analyst: **DAM**	
Naphthalene	ND	0.50		µg/L	1	2/24/2016 8:03:56 PM	23905
1-Methylnaphthalene	ND	0.50		µg/L	1	2/24/2016 8:03:56 PM	23905
2-Methylnaphthalene	ND	0.50		µg/L	1	2/24/2016 8:03:56 PM	23905
Acenaphthylene	ND	0.50		µg/L	1	2/24/2016 8:03:56 PM	23905
Acenaphthene	ND	0.50		µg/L	1	2/24/2016 8:03:56 PM	23905
Fluorene	ND	0.50		µg/L	1	2/24/2016 8:03:56 PM	23905
Phenanthrene	ND	0.50		µg/L	1	2/24/2016 8:03:56 PM	23905
Anthracene	ND	0.50		µg/L	1	2/24/2016 8:03:56 PM	23905
Fluoranthene	ND	0.50		µg/L	1	2/24/2016 8:03:56 PM	23905
Pyrene	ND	0.50		µg/L	1	2/24/2016 8:03:56 PM	23905
Benz(a)anthracene	ND	0.50		µg/L	1	2/24/2016 8:03:56 PM	23905
Chrysene	ND	0.50		µg/L	1	2/24/2016 8:03:56 PM	23905
Benzo(b)fluoranthene	ND	0.50		µg/L	1	2/24/2016 8:03:56 PM	23905
Benzo(k)fluoranthene	ND	0.50		µg/L	1	2/24/2016 8:03:56 PM	23905
Benzo(a)pyrene	ND	0.50		µg/L	1	2/24/2016 8:03:56 PM	23905
Dibenz(a,h)anthracene	ND	0.50		µg/L	1	2/24/2016 8:03:56 PM	23905
Benzo(g,h,i)perylene	ND	0.50		µg/L	1	2/24/2016 8:03:56 PM	23905
Indeno(1,2,3-cd)pyrene	ND	0.50		µg/L	1	2/24/2016 8:03:56 PM	23905
Surr: N-hexadecane	25.4	20.2-162		%Rec	1	2/24/2016 8:03:56 PM	23905
Surr: Benzo(e)pyrene	26.0	21.1-159		%Rec	1	2/24/2016 8:03:56 PM	23905
EPA METHOD 8260B: VOLATILES						Analyst: **AG**	
Benzene	ND	1.0		µg/L	1	2/25/2016 8:37:47 PM	R32398
Toluene	ND	1.0		µg/L	1	2/25/2016 8:37:47 PM	R32398
Ethylbenzene	ND	1.0		µg/L	1	2/25/2016 8:37:47 PM	R32398
Methyl tert-butyl ether (MTBE)	ND	1.0		µg/L	1	2/25/2016 8:37:47 PM	R32398
1,2,4-Trimethylbenzene	ND	1.0		µg/L	1	2/25/2016 8:37:47 PM	R32398
1,3,5-Trimethylbenzene	ND	1.0		µg/L	1	2/25/2016 8:37:47 PM	R32398
1,2-Dichloroethane (EDC)	ND	1.0		µg/L	1	2/25/2016 8:37:47 PM	R32398
1,2-Dibromoethane (EDB)	ND	1.0		µg/L	1	2/25/2016 8:37:47 PM	R32398
Naphthalene	ND	2.0		µg/L	1	2/25/2016 8:37:47 PM	R32398
1-Methylnaphthalene	ND	4.0		µg/L	1	2/25/2016 8:37:47 PM	R32398
2-Methylnaphthalene	ND	4.0		µg/L	1	2/25/2016 8:37:47 PM	R32398
Acetone	ND	10		µg/L	1	2/25/2016 8:37:47 PM	R32398
Bromobenzene	ND	1.0		µg/L	1	2/25/2016 8:37:47 PM	R32398
Bromodichloromethane	ND	1.0		µg/L	1	2/25/2016 8:37:47 PM	R32398

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

Qualifiers:

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

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Biotech Remediation, Inc. **Client Sample ID:** MW-6
Project: Thriftway #810 **Collection Date:** 2/19/2016 1:15:00 PM
Lab ID: 1602948-007 **Matrix:** AQUEOUS **Received Date:** 2/23/2016 8:00:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8260B: VOLATILES						Analyst: **AG**	
Bromoform	ND	1.0		µg/L	1	2/25/2016 8:37:47 PM	R32398
Bromomethane	ND	3.0		µg/L	1	2/25/2016 8:37:47 PM	R32398
2-Butanone	ND	10		µg/L	1	2/25/2016 8:37:47 PM	R32398
Carbon disulfide	ND	10		µg/L	1	2/25/2016 8:37:47 PM	R32398
Carbon Tetrachloride	ND	1.0		µg/L	1	2/25/2016 8:37:47 PM	R32398
Chlorobenzene	ND	1.0		µg/L	1	2/25/2016 8:37:47 PM	R32398
Chloroethane	ND	2.0		µg/L	1	2/25/2016 8:37:47 PM	R32398
Chloroform	ND	1.0		µg/L	1	2/25/2016 8:37:47 PM	R32398
Chloromethane	ND	3.0		µg/L	1	2/25/2016 8:37:47 PM	R32398
2-Chlorotoluene	ND	1.0		µg/L	1	2/25/2016 8:37:47 PM	R32398
4-Chlorotoluene	ND	1.0		µg/L	1	2/25/2016 8:37:47 PM	R32398
cis-1,2-DCE	ND	1.0		µg/L	1	2/25/2016 8:37:47 PM	R32398
cis-1,3-Dichloropropene	ND	1.0		µg/L	1	2/25/2016 8:37:47 PM	R32398
1,2-Dibromo-3-chloropropane	ND	2.0		µg/L	1	2/25/2016 8:37:47 PM	R32398
Dibromochloromethane	ND	1.0		µg/L	1	2/25/2016 8:37:47 PM	R32398
Dibromomethane	ND	1.0		µg/L	1	2/25/2016 8:37:47 PM	R32398
1,2-Dichlorobenzene	ND	1.0		µg/L	1	2/25/2016 8:37:47 PM	R32398
1,3-Dichlorobenzene	ND	1.0		µg/L	1	2/25/2016 8:37:47 PM	R32398
1,4-Dichlorobenzene	ND	1.0		µg/L	1	2/25/2016 8:37:47 PM	R32398
Dichlorodifluoromethane	ND	1.0		µg/L	1	2/25/2016 8:37:47 PM	R32398
1,1-Dichloroethane	ND	1.0		µg/L	1	2/25/2016 8:37:47 PM	R32398
1,1-Dichloroethene	ND	1.0		µg/L	1	2/25/2016 8:37:47 PM	R32398
1,2-Dichloropropane	ND	1.0		µg/L	1	2/25/2016 8:37:47 PM	R32398
1,3-Dichloropropane	ND	1.0		µg/L	1	2/25/2016 8:37:47 PM	R32398
2,2-Dichloropropane	ND	2.0		µg/L	1	2/25/2016 8:37:47 PM	R32398
1,1-Dichloropropene	ND	1.0		µg/L	1	2/25/2016 8:37:47 PM	R32398
Hexachlorobutadiene	ND	1.0		µg/L	1	2/25/2016 8:37:47 PM	R32398
2-Hexanone	ND	10		µg/L	1	2/25/2016 8:37:47 PM	R32398
Isopropylbenzene	ND	1.0		µg/L	1	2/25/2016 8:37:47 PM	R32398
4-Isopropyltoluene	ND	1.0		µg/L	1	2/25/2016 8:37:47 PM	R32398
4-Methyl-2-pentanone	ND	10		µg/L	1	2/25/2016 8:37:47 PM	R32398
Methylene Chloride	ND	3.0		µg/L	1	2/25/2016 8:37:47 PM	R32398
n-Butylbenzene	ND	3.0		µg/L	1	2/25/2016 8:37:47 PM	R32398
n-Propylbenzene	ND	1.0		µg/L	1	2/25/2016 8:37:47 PM	R32398
sec-Butylbenzene	ND	1.0		µg/L	1	2/25/2016 8:37:47 PM	R32398
Styrene	ND	1.0		µg/L	1	2/25/2016 8:37:47 PM	R32398
tert-Butylbenzene	ND	1.0		µg/L	1	2/25/2016 8:37:47 PM	R32398
1,1,1,2-Tetrachloroethane	ND	1.0		µg/L	1	2/25/2016 8:37:47 PM	R32398
1,1,2,2-Tetrachloroethane	ND	2.0		µg/L	1	2/25/2016 8:37:47 PM	R32398

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

Qualifiers:

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

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Biotech Remediation, Inc. **Client Sample ID:** MW-6
Project: Thriftway #810 **Collection Date:** 2/19/2016 1:15:00 PM
Lab ID: 1602948-007 **Matrix:** AQUEOUS **Received Date:** 2/23/2016 8:00:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8260B: VOLATILES						Analyst: **AG**	
Tetrachloroethene (PCE)	ND	1.0		µg/L	1	2/25/2016 8:37:47 PM	R32398
trans-1,2-DCE	ND	1.0		µg/L	1	2/25/2016 8:37:47 PM	R32398
trans-1,3-Dichloropropene	ND	1.0		µg/L	1	2/25/2016 8:37:47 PM	R32398
1,2,3-Trichlorobenzene	ND	1.0		µg/L	1	2/25/2016 8:37:47 PM	R32398
1,2,4-Trichlorobenzene	ND	1.0		µg/L	1	2/25/2016 8:37:47 PM	R32398
1,1,1-Trichloroethane	ND	1.0		µg/L	1	2/25/2016 8:37:47 PM	R32398
1,1,2-Trichloroethane	ND	1.0		µg/L	1	2/25/2016 8:37:47 PM	R32398
Trichloroethene (TCE)	ND	1.0		µg/L	1	2/25/2016 8:37:47 PM	R32398
Trichlorofluoromethane	ND	1.0		µg/L	1	2/25/2016 8:37:47 PM	R32398
1,2,3-Trichloropropane	ND	2.0		µg/L	1	2/25/2016 8:37:47 PM	R32398
Vinyl chloride	ND	1.0		µg/L	1	2/25/2016 8:37:47 PM	R32398
Xylenes, Total	ND	1.5		µg/L	1	2/25/2016 8:37:47 PM	R32398
Surr: 1,2-Dichloroethane-d4	92.9	70-130		%Rec	1	2/25/2016 8:37:47 PM	R32398
Surr: 4-Bromofluorobenzene	106	70-130		%Rec	1	2/25/2016 8:37:47 PM	R32398
Surr: Dibromofluoromethane	104	70-130		%Rec	1	2/25/2016 8:37:47 PM	R32398
Surr: Toluene-d8	106	70-130		%Rec	1	2/25/2016 8:37:47 PM	R32398

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

Qualifiers:

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

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Biotech Remediation, Inc. **Client Sample ID:** MW-4
Project: Thriftway #810 **Collection Date:** 2/19/2016 2:00:00 PM
Lab ID: 1602948-008 **Matrix:** AQUEOUS **Received Date:** 2/23/2016 8:00:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analyst:	**LGT**
Fluoride	ND	0.50		mg/L	5	2/26/2016 10:37:34 PM	A32449
Chloride	590	25	*	mg/L	50	3/1/2016 8:36:00 PM	A32498
Bromide	1.6	0.50		mg/L	5	2/26/2016 10:37:34 PM	A32449
Phosphorus, Orthophosphate (As P)	ND	2.5	H	mg/L	5	2/26/2016 10:37:34 PM	A32449
Sulfate	1700	25	*	mg/L	50	3/1/2016 8:36:00 PM	A32498
Nitrate+Nitrite as N	ND	1.0		mg/L	5	2/29/2016 12:29:52 PM	R32480
SM2510B: SPECIFIC CONDUCTANCE						Analyst:	**JRR**
Conductivity	5300	0.010		µmhos/cm	1	2/25/2016 12:46:38 AM	R32387
SM2320B: ALKALINITY						Analyst:	**JRR**
Bicarbonate (As CaCO3)	794.4	20.00		mg/L CaCO3	1	2/25/2016 12:46:38 AM	R32387
Carbonate (As CaCO3)	ND	2.000		mg/L CaCO3	1	2/25/2016 12:46:38 AM	R32387
Total Alkalinity (as CaCO3)	794.4	20.00		mg/L CaCO3	1	2/25/2016 12:46:38 AM	R32387
SM2540C MOD: TOTAL DISSOLVED SOLIDS						Analyst:	**KS**
Total Dissolved Solids	3640	200	*D	mg/L	1	2/25/2016 6:43:00 PM	23918
EPA METHOD 7470: MERCURY						Analyst:	**pmf**
Mercury	ND	0.00020		mg/L	1	2/24/2016 7:11:16 AM	23897
EPA METHOD 6010B: DISSOLVED METALS						Analyst:	**MED**
Calcium	300	20		mg/L	20	3/9/2016 12:02:18 PM	A32664
Lead	ND	0.0050		mg/L	1	3/9/2016 10:28:22 AM	A32664
Magnesium	45	1.0		mg/L	1	3/9/2016 10:28:22 AM	A32664
Potassium	7.3	1.0		mg/L	1	3/9/2016 10:28:22 AM	A32664
Sodium	1000	20		mg/L	20	3/9/2016 12:02:18 PM	A32664
EPA 6010B: TOTAL RECOVERABLE METALS						Analyst:	**MED**
Arsenic	0.11	0.020		mg/L	1	2/26/2016 11:19:28 AM	23938
Barium	1.6	0.10		mg/L	5	2/26/2016 11:50:08 AM	23938
Cadmium	ND	0.0020		mg/L	1	2/26/2016 11:19:28 AM	23938
Chromium	0.022	0.0060		mg/L	1	2/26/2016 11:19:28 AM	23938
Lead	0.015	0.0050		mg/L	1	2/26/2016 11:19:28 AM	23938
Selenium	ND	0.050		mg/L	1	2/26/2016 11:19:28 AM	23938
Silver	ND	0.0050		mg/L	1	2/26/2016 11:19:28 AM	23938
EPA METHOD 8015M/D: DIESEL RANGE						Analyst:	**KJH**
Diesel Range Organics (DRO)	ND	1.0		mg/L	1	2/24/2016 8:38:09 PM	23915
Motor Oil Range Organics (MRO)	ND	5.0		mg/L	1	2/24/2016 8:38:09 PM	23915
Surr: DNOP	89.1	70-141		%Rec	1	2/24/2016 8:38:09 PM	23915
EPA METHOD 8015D: GASOLINE RANGE						Analyst:	**NSB**

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

Qualifiers:

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

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Biotech Remediation, Inc. **Client Sample ID:** MW-4
Project: Thriftway #810 **Collection Date:** 2/19/2016 2:00:00 PM
Lab ID: 1602948-008 **Matrix:** AQUEOUS **Received Date:** 2/23/2016 8:00:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **NSB**	
Gasoline Range Organics (GRO)	0.083	0.050		mg/L	1	2/24/2016 4:27:00 PM	A32376
Surr: BFB	85.2	49.5-130		%Rec	1	2/24/2016 4:27:00 PM	A32376
EPA METHOD 8270C: PAHS						Analyst: **DAM**	
Naphthalene	ND	0.50		µg/L	1	2/24/2016 8:28:03 PM	23905
1-Methylnaphthalene	ND	0.50		µg/L	1	2/24/2016 8:28:03 PM	23905
2-Methylnaphthalene	ND	0.50		µg/L	1	2/24/2016 8:28:03 PM	23905
Acenaphthylene	ND	0.50		µg/L	1	2/24/2016 8:28:03 PM	23905
Acenaphthene	ND	0.50		µg/L	1	2/24/2016 8:28:03 PM	23905
Fluorene	ND	0.50		µg/L	1	2/24/2016 8:28:03 PM	23905
Phenanthrene	ND	0.50		µg/L	1	2/24/2016 8:28:03 PM	23905
Anthracene	ND	0.50		µg/L	1	2/24/2016 8:28:03 PM	23905
Fluoranthene	ND	0.50		µg/L	1	2/24/2016 8:28:03 PM	23905
Pyrene	ND	0.50		µg/L	1	2/24/2016 8:28:03 PM	23905
Benz(a)anthracene	ND	0.50		µg/L	1	2/24/2016 8:28:03 PM	23905
Chrysene	ND	0.50		µg/L	1	2/24/2016 8:28:03 PM	23905
Benzo(b)fluoranthene	ND	0.50		µg/L	1	2/24/2016 8:28:03 PM	23905
Benzo(k)fluoranthene	ND	0.50		µg/L	1	2/24/2016 8:28:03 PM	23905
Benzo(a)pyrene	ND	0.50		µg/L	1	2/24/2016 8:28:03 PM	23905
Dibenz(a,h)anthracene	ND	0.50		µg/L	1	2/24/2016 8:28:03 PM	23905
Benzo(g,h,i)perylene	ND	0.50		µg/L	1	2/24/2016 8:28:03 PM	23905
Indeno(1,2,3-cd)pyrene	ND	0.50		µg/L	1	2/24/2016 8:28:03 PM	23905
Surr: N-hexadecane	37.3	20.2-162		%Rec	1	2/24/2016 8:28:03 PM	23905
Surr: Benzo(e)pyrene	38.4	21.1-159		%Rec	1	2/24/2016 8:28:03 PM	23905
EPA METHOD 8260B: VOLATILES						Analyst: **AG**	
Benzene	ND	1.0		µg/L	1	2/25/2016 9:06:31 PM	R32398
Toluene	ND	1.0		µg/L	1	2/25/2016 9:06:31 PM	R32398
Ethylbenzene	ND	1.0		µg/L	1	2/25/2016 9:06:31 PM	R32398
Methyl tert-butyl ether (MTBE)	47	1.0		µg/L	1	2/25/2016 9:06:31 PM	R32398
1,2,4-Trimethylbenzene	ND	1.0		µg/L	1	2/25/2016 9:06:31 PM	R32398
1,3,5-Trimethylbenzene	ND	1.0		µg/L	1	2/25/2016 9:06:31 PM	R32398
1,2-Dichloroethane (EDC)	ND	1.0		µg/L	1	2/25/2016 9:06:31 PM	R32398
1,2-Dibromoethane (EDB)	ND	1.0		µg/L	1	2/25/2016 9:06:31 PM	R32398
Naphthalene	ND	2.0		µg/L	1	2/25/2016 9:06:31 PM	R32398
1-Methylnaphthalene	ND	4.0		µg/L	1	2/25/2016 9:06:31 PM	R32398
2-Methylnaphthalene	ND	4.0		µg/L	1	2/25/2016 9:06:31 PM	R32398
Acetone	ND	10		µg/L	1	2/25/2016 9:06:31 PM	R32398
Bromobenzene	ND	1.0		µg/L	1	2/25/2016 9:06:31 PM	R32398
Bromodichloromethane	ND	1.0		µg/L	1	2/25/2016 9:06:31 PM	R32398

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Qualifiers:

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

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Biotech Remediation, Inc. **Client Sample ID:** MW-4
Project: Thriftway #810 **Collection Date:** 2/19/2016 2:00:00 PM
Lab ID: 1602948-008 **Matrix:** AQUEOUS **Received Date:** 2/23/2016 8:00:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8260B: VOLATILES						Analyst: **AG**	
Bromoform	ND	1.0		µg/L	1	2/25/2016 9:06:31 PM	R32398
Bromomethane	ND	3.0		µg/L	1	2/25/2016 9:06:31 PM	R32398
2-Butanone	ND	10		µg/L	1	2/25/2016 9:06:31 PM	R32398
Carbon disulfide	ND	10		µg/L	1	2/25/2016 9:06:31 PM	R32398
Carbon Tetrachloride	ND	1.0		µg/L	1	2/25/2016 9:06:31 PM	R32398
Chlorobenzene	ND	1.0		µg/L	1	2/25/2016 9:06:31 PM	R32398
Chloroethane	ND	2.0		µg/L	1	2/25/2016 9:06:31 PM	R32398
Chloroform	ND	1.0		µg/L	1	2/25/2016 9:06:31 PM	R32398
Chloromethane	ND	3.0		µg/L	1	2/25/2016 9:06:31 PM	R32398
2-Chlorotoluene	ND	1.0		µg/L	1	2/25/2016 9:06:31 PM	R32398
4-Chlorotoluene	ND	1.0		µg/L	1	2/25/2016 9:06:31 PM	R32398
cis-1,2-DCE	ND	1.0		µg/L	1	2/25/2016 9:06:31 PM	R32398
cis-1,3-Dichloropropene	ND	1.0		µg/L	1	2/25/2016 9:06:31 PM	R32398
1,2-Dibromo-3-chloropropane	ND	2.0		µg/L	1	2/25/2016 9:06:31 PM	R32398
Dibromochloromethane	ND	1.0		µg/L	1	2/25/2016 9:06:31 PM	R32398
Dibromomethane	ND	1.0		µg/L	1	2/25/2016 9:06:31 PM	R32398
1,2-Dichlorobenzene	ND	1.0		µg/L	1	2/25/2016 9:06:31 PM	R32398
1,3-Dichlorobenzene	ND	1.0		µg/L	1	2/25/2016 9:06:31 PM	R32398
1,4-Dichlorobenzene	ND	1.0		µg/L	1	2/25/2016 9:06:31 PM	R32398
Dichlorodifluoromethane	ND	1.0		µg/L	1	2/25/2016 9:06:31 PM	R32398
1,1-Dichloroethane	ND	1.0		µg/L	1	2/25/2016 9:06:31 PM	R32398
1,1-Dichloroethene	ND	1.0		µg/L	1	2/25/2016 9:06:31 PM	R32398
1,2-Dichloropropane	ND	1.0		µg/L	1	2/25/2016 9:06:31 PM	R32398
1,3-Dichloropropane	ND	1.0		µg/L	1	2/25/2016 9:06:31 PM	R32398
2,2-Dichloropropane	ND	2.0		µg/L	1	2/25/2016 9:06:31 PM	R32398
1,1-Dichloropropene	ND	1.0		µg/L	1	2/25/2016 9:06:31 PM	R32398
Hexachlorobutadiene	ND	1.0		µg/L	1	2/25/2016 9:06:31 PM	R32398
2-Hexanone	ND	10		µg/L	1	2/25/2016 9:06:31 PM	R32398
Isopropylbenzene	ND	1.0		µg/L	1	2/25/2016 9:06:31 PM	R32398
4-Isopropyltoluene	ND	1.0		µg/L	1	2/25/2016 9:06:31 PM	R32398
4-Methyl-2-pentanone	ND	10		µg/L	1	2/25/2016 9:06:31 PM	R32398
Methylene Chloride	ND	3.0		µg/L	1	2/25/2016 9:06:31 PM	R32398
n-Butylbenzene	ND	3.0		µg/L	1	2/25/2016 9:06:31 PM	R32398
n-Propylbenzene	ND	1.0		µg/L	1	2/25/2016 9:06:31 PM	R32398
sec-Butylbenzene	ND	1.0		µg/L	1	2/25/2016 9:06:31 PM	R32398
Styrene	ND	1.0		µg/L	1	2/25/2016 9:06:31 PM	R32398
tert-Butylbenzene	ND	1.0		µg/L	1	2/25/2016 9:06:31 PM	R32398
1,1,1,2-Tetrachloroethane	ND	1.0		µg/L	1	2/25/2016 9:06:31 PM	R32398
1,1,2,2-Tetrachloroethane	ND	2.0		µg/L	1	2/25/2016 9:06:31 PM	R32398

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Qualifiers:

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R	RPD outside accepted recovery limits	RL	Reporting Detection Limit
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Hall Environmental Analysis Laboratory, Inc.

CLIENT: Biotech Remediation, Inc. **Client Sample ID:** MW-4
Project: Thriftway #810 **Collection Date:** 2/19/2016 2:00:00 PM
Lab ID: 1602948-008 **Matrix:** AQUEOUS **Received Date:** 2/23/2016 8:00:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8260B: VOLATILES						Analyst: **AG**	
Tetrachloroethene (PCE)	ND	1.0		µg/L	1	2/25/2016 9:06:31 PM	R32398
trans-1,2-DCE	ND	1.0		µg/L	1	2/25/2016 9:06:31 PM	R32398
trans-1,3-Dichloropropene	ND	1.0		µg/L	1	2/25/2016 9:06:31 PM	R32398
1,2,3-Trichlorobenzene	ND	1.0		µg/L	1	2/25/2016 9:06:31 PM	R32398
1,2,4-Trichlorobenzene	ND	1.0		µg/L	1	2/25/2016 9:06:31 PM	R32398
1,1,1-Trichloroethane	ND	1.0		µg/L	1	2/25/2016 9:06:31 PM	R32398
1,1,2-Trichloroethane	ND	1.0		µg/L	1	2/25/2016 9:06:31 PM	R32398
Trichloroethene (TCE)	ND	1.0		µg/L	1	2/25/2016 9:06:31 PM	R32398
Trichlorofluoromethane	ND	1.0		µg/L	1	2/25/2016 9:06:31 PM	R32398
1,2,3-Trichloropropane	ND	2.0		µg/L	1	2/25/2016 9:06:31 PM	R32398
Vinyl chloride	ND	1.0		µg/L	1	2/25/2016 9:06:31 PM	R32398
Xylenes, Total	ND	1.5		µg/L	1	2/25/2016 9:06:31 PM	R32398
Surr: 1,2-Dichloroethane-d4	105	70-130		%Rec	1	2/25/2016 9:06:31 PM	R32398
Surr: 4-Bromofluorobenzene	102	70-130		%Rec	1	2/25/2016 9:06:31 PM	R32398
Surr: Dibromofluoromethane	112	70-130		%Rec	1	2/25/2016 9:06:31 PM	R32398
Surr: Toluene-d8	105	70-130		%Rec	1	2/25/2016 9:06:31 PM	R32398

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

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Biotech Remediation, Inc. **Client Sample ID:** TW-41
Project: Thriftway #810 **Collection Date:** 2/22/2016 10:20:00 AM
Lab ID: 1602948-009 **Matrix:** AQUEOUS **Received Date:** 2/23/2016 8:00:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analyst:	**LGT**
Fluoride	ND	0.50		mg/L	5	2/26/2016 5:02:30 PM	R32449
Chloride	390	50	*	mg/L	100	3/1/2016 8:48:25 PM	A32498
Bromide	ND	0.50		mg/L	5	2/26/2016 5:02:30 PM	R32449
Phosphorus, Orthophosphate (As P)	ND	2.5	H	mg/L	5	2/26/2016 5:02:30 PM	R32449
Sulfate	2500	50	*	mg/L	100	3/1/2016 8:48:25 PM	A32498
Nitrate+Nitrite as N	ND	1.0		mg/L	5	3/2/2016 6:29:07 PM	R32541
SM2510B: SPECIFIC CONDUCTANCE						Analyst:	**JRR**
Conductivity	5800	0.010		µmhos/cm	1	2/25/2016 1:15:37 AM	R32387
SM2320B: ALKALINITY						Analyst:	**JRR**
Bicarbonate (As CaCO3)	719.1	20.00		mg/L CaCO3	1	2/25/2016 1:15:37 AM	R32387
Carbonate (As CaCO3)	ND	2.000		mg/L CaCO3	1	2/25/2016 1:15:37 AM	R32387
Total Alkalinity (as CaCO3)	719.1	20.00		mg/L CaCO3	1	2/25/2016 1:15:37 AM	R32387
SM2540C MOD: TOTAL DISSOLVED SOLIDS						Analyst:	**KS**
Total Dissolved Solids	4710	200	*D	mg/L	1	2/25/2016 6:43:00 PM	23918
EPA METHOD 7470: MERCURY						Analyst:	**pmf**
Mercury	ND	0.00020		mg/L	1	2/24/2016 7:13:23 AM	23897
EPA METHOD 6010B: DISSOLVED METALS						Analyst:	**MED**
Calcium	460	20		mg/L	20	3/9/2016 12:03:53 PM	A32664
Lead	ND	0.0050		mg/L	1	3/9/2016 10:36:36 AM	A32664
Magnesium	58	1.0		mg/L	1	3/9/2016 10:36:36 AM	A32664
Potassium	8.2	1.0		mg/L	1	3/9/2016 10:36:36 AM	A32664
Sodium	1100	20		mg/L	20	3/9/2016 12:03:53 PM	A32664
EPA 6010B: TOTAL RECOVERABLE METALS						Analyst:	**MED**
Arsenic	0.041	0.020		mg/L	1	2/26/2016 11:20:48 AM	23938
Barium	0.36	0.020		mg/L	1	2/26/2016 11:20:48 AM	23938
Cadmium	ND	0.0020		mg/L	1	2/26/2016 11:20:48 AM	23938
Chromium	ND	0.0060		mg/L	1	2/26/2016 11:20:48 AM	23938
Lead	ND	0.0050		mg/L	1	2/26/2016 11:20:48 AM	23938
Selenium	ND	0.050		mg/L	1	2/26/2016 11:20:48 AM	23938
Silver	ND	0.0050		mg/L	1	2/26/2016 11:20:48 AM	23938
EPA METHOD 8015M/D: DIESEL RANGE						Analyst:	**KJH**
Diesel Range Organics (DRO)	5.1	1.0		mg/L	1	2/24/2016 8:59:27 PM	23915
Motor Oil Range Organics (MRO)	ND	5.0		mg/L	1	2/24/2016 8:59:27 PM	23915
Surr: DNOP	89.5	70-141		%Rec	1	2/24/2016 8:59:27 PM	23915
EPA METHOD 8015D: GASOLINE RANGE						Analyst:	**NSB**

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

Qualifiers:

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

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Biotech Remediation, Inc. **Client Sample ID:** TW-41
Project: Thriftway #810 **Collection Date:** 2/22/2016 10:20:00 AM
Lab ID: 1602948-009 **Matrix:** AQUEOUS **Received Date:** 2/23/2016 8:00:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **NSB**	
Gasoline Range Organics (GRO)	4.4	0.25		mg/L	5	2/24/2016 4:51:38 PM	A32376
Surr: BFB	130	49.5-130		%Rec	5	2/24/2016 4:51:38 PM	A32376
EPA METHOD 8270C: PAHS						Analyst: **DAM**	
Naphthalene	11	0.50		µg/L	1	2/24/2016 8:52:11 PM	23905
1-Methylnaphthalene	24	0.50		µg/L	1	2/24/2016 8:52:11 PM	23905
2-Methylnaphthalene	ND	0.50		µg/L	1	2/24/2016 8:52:11 PM	23905
Acenaphthylene	ND	0.50		µg/L	1	2/24/2016 8:52:11 PM	23905
Acenaphthene	ND	0.50		µg/L	1	2/24/2016 8:52:11 PM	23905
Fluorene	1.5	0.50		µg/L	1	2/24/2016 8:52:11 PM	23905
Phenanthrene	ND	0.50		µg/L	1	2/24/2016 8:52:11 PM	23905
Anthracene	ND	0.50		µg/L	1	2/24/2016 8:52:11 PM	23905
Fluoranthene	ND	0.50		µg/L	1	2/24/2016 8:52:11 PM	23905
Pyrene	ND	0.50		µg/L	1	2/24/2016 8:52:11 PM	23905
Benz(a)anthracene	ND	0.50		µg/L	1	2/24/2016 8:52:11 PM	23905
Chrysene	ND	0.50		µg/L	1	2/24/2016 8:52:11 PM	23905
Benzo(b)fluoranthene	ND	0.50		µg/L	1	2/24/2016 8:52:11 PM	23905
Benzo(k)fluoranthene	ND	0.50		µg/L	1	2/24/2016 8:52:11 PM	23905
Benzo(a)pyrene	ND	0.50		µg/L	1	2/24/2016 8:52:11 PM	23905
Dibenz(a,h)anthracene	ND	0.50		µg/L	1	2/24/2016 8:52:11 PM	23905
Benzo(g,h,i)perylene	ND	0.50		µg/L	1	2/24/2016 8:52:11 PM	23905
Indeno(1,2,3-cd)pyrene	ND	0.50		µg/L	1	2/24/2016 8:52:11 PM	23905
Surr: N-hexadecane	36.9	20.2-162		%Rec	1	2/24/2016 8:52:11 PM	23905
Surr: Benzo(e)pyrene	34.2	21.1-159		%Rec	1	2/24/2016 8:52:11 PM	23905
EPA METHOD 8260B: VOLATILES						Analyst: **AG**	
Benzene	25	10		µg/L	10	2/26/2016 1:49:05 PM	R32448
Toluene	ND	10		µg/L	10	2/26/2016 1:49:05 PM	R32448
Ethylbenzene	270	10		µg/L	10	2/26/2016 1:49:05 PM	R32448
Methyl tert-butyl ether (MTBE)	ND	10		µg/L	10	2/26/2016 1:49:05 PM	R32448
1,2,4-Trimethylbenzene	380	10		µg/L	10	2/26/2016 1:49:05 PM	R32448
1,3,5-Trimethylbenzene	29	10		µg/L	10	2/26/2016 1:49:05 PM	R32448
1,2-Dichloroethane (EDC)	ND	10		µg/L	10	2/26/2016 1:49:05 PM	R32448
1,2-Dibromoethane (EDB)	ND	10		µg/L	10	2/26/2016 1:49:05 PM	R32448
Naphthalene	ND	20		µg/L	10	2/26/2016 1:49:05 PM	R32448
1-Methylnaphthalene	ND	40		µg/L	10	2/26/2016 1:49:05 PM	R32448
2-Methylnaphthalene	ND	40		µg/L	10	2/26/2016 1:49:05 PM	R32448
Acetone	ND	100		µg/L	10	2/26/2016 1:49:05 PM	R32448
Bromobenzene	ND	10		µg/L	10	2/26/2016 1:49:05 PM	R32448
Bromodichloromethane	ND	10		µg/L	10	2/26/2016 1:49:05 PM	R32448

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Qualifiers:

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

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Biotech Remediation, Inc. **Client Sample ID:** TW-41
Project: Thriftway #810 **Collection Date:** 2/22/2016 10:20:00 AM
Lab ID: 1602948-009 **Matrix:** AQUEOUS **Received Date:** 2/23/2016 8:00:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8260B: VOLATILES						Analyst: **AG**	
Bromoform	ND	10		µg/L	10	2/26/2016 1:49:05 PM	R32448
Bromomethane	ND	30		µg/L	10	2/26/2016 1:49:05 PM	R32448
2-Butanone	ND	100		µg/L	10	2/26/2016 1:49:05 PM	R32448
Carbon disulfide	ND	100		µg/L	10	2/26/2016 1:49:05 PM	R32448
Carbon Tetrachloride	ND	10		µg/L	10	2/26/2016 1:49:05 PM	R32448
Chlorobenzene	ND	10		µg/L	10	2/26/2016 1:49:05 PM	R32448
Chloroethane	ND	20		µg/L	10	2/26/2016 1:49:05 PM	R32448
Chloroform	ND	10		µg/L	10	2/26/2016 1:49:05 PM	R32448
Chloromethane	ND	30		µg/L	10	2/26/2016 1:49:05 PM	R32448
2-Chlorotoluene	ND	10		µg/L	10	2/26/2016 1:49:05 PM	R32448
4-Chlorotoluene	ND	10		µg/L	10	2/26/2016 1:49:05 PM	R32448
cis-1,2-DCE	ND	10		µg/L	10	2/26/2016 1:49:05 PM	R32448
cis-1,3-Dichloropropene	ND	10		µg/L	10	2/26/2016 1:49:05 PM	R32448
1,2-Dibromo-3-chloropropane	ND	20		µg/L	10	2/26/2016 1:49:05 PM	R32448
Dibromochloromethane	ND	10		µg/L	10	2/26/2016 1:49:05 PM	R32448
Dibromomethane	ND	10		µg/L	10	2/26/2016 1:49:05 PM	R32448
1,2-Dichlorobenzene	ND	10		µg/L	10	2/26/2016 1:49:05 PM	R32448
1,3-Dichlorobenzene	ND	10		µg/L	10	2/26/2016 1:49:05 PM	R32448
1,4-Dichlorobenzene	ND	10		µg/L	10	2/26/2016 1:49:05 PM	R32448
Dichlorodifluoromethane	ND	10		µg/L	10	2/26/2016 1:49:05 PM	R32448
1,1-Dichloroethane	ND	10		µg/L	10	2/26/2016 1:49:05 PM	R32448
1,1-Dichloroethene	ND	10		µg/L	10	2/26/2016 1:49:05 PM	R32448
1,2-Dichloropropane	ND	10		µg/L	10	2/26/2016 1:49:05 PM	R32448
1,3-Dichloropropane	ND	10		µg/L	10	2/26/2016 1:49:05 PM	R32448
2,2-Dichloropropane	ND	20		µg/L	10	2/26/2016 1:49:05 PM	R32448
1,1-Dichloropropene	ND	10		µg/L	10	2/26/2016 1:49:05 PM	R32448
Hexachlorobutadiene	ND	10		µg/L	10	2/26/2016 1:49:05 PM	R32448
2-Hexanone	ND	100		µg/L	10	2/26/2016 1:49:05 PM	R32448
Isopropylbenzene	24	10		µg/L	10	2/26/2016 1:49:05 PM	R32448
4-Isopropyltoluene	ND	10		µg/L	10	2/26/2016 1:49:05 PM	R32448
4-Methyl-2-pentanone	ND	100		µg/L	10	2/26/2016 1:49:05 PM	R32448
Methylene Chloride	ND	30		µg/L	10	2/26/2016 1:49:05 PM	R32448
n-Butylbenzene	ND	30		µg/L	10	2/26/2016 1:49:05 PM	R32448
n-Propylbenzene	25	10		µg/L	10	2/26/2016 1:49:05 PM	R32448
sec-Butylbenzene	ND	10		µg/L	10	2/26/2016 1:49:05 PM	R32448
Styrene	ND	10		µg/L	10	2/26/2016 1:49:05 PM	R32448
tert-Butylbenzene	ND	10		µg/L	10	2/26/2016 1:49:05 PM	R32448
1,1,1,2-Tetrachloroethane	ND	10		µg/L	10	2/26/2016 1:49:05 PM	R32448
1,1,2,2-Tetrachloroethane	ND	20		µg/L	10	2/26/2016 1:49:05 PM	R32448

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Qualifiers:

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

CLIENT: Biotech Remediation, Inc. **Client Sample ID:** TW-41
Project: Thriftway #810 **Collection Date:** 2/22/2016 10:20:00 AM
Lab ID: 1602948-009 **Matrix:** AQUEOUS **Received Date:** 2/23/2016 8:00:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8260B: VOLATILES						Analyst: **AG**	
Tetrachloroethene (PCE)	ND	10		µg/L	10	2/26/2016 1:49:05 PM	R32448
trans-1,2-DCE	ND	10		µg/L	10	2/26/2016 1:49:05 PM	R32448
trans-1,3-Dichloropropene	ND	10		µg/L	10	2/26/2016 1:49:05 PM	R32448
1,2,3-Trichlorobenzene	ND	10		µg/L	10	2/26/2016 1:49:05 PM	R32448
1,2,4-Trichlorobenzene	ND	10		µg/L	10	2/26/2016 1:49:05 PM	R32448
1,1,1-Trichloroethane	ND	10		µg/L	10	2/26/2016 1:49:05 PM	R32448
1,1,2-Trichloroethane	ND	10		µg/L	10	2/26/2016 1:49:05 PM	R32448
Trichloroethene (TCE)	ND	10		µg/L	10	2/26/2016 1:49:05 PM	R32448
Trichlorofluoromethane	ND	10		µg/L	10	2/26/2016 1:49:05 PM	R32448
1,2,3-Trichloropropane	ND	20		µg/L	10	2/26/2016 1:49:05 PM	R32448
Vinyl chloride	ND	10		µg/L	10	2/26/2016 1:49:05 PM	R32448
Xylenes, Total	710	15		µg/L	10	2/26/2016 1:49:05 PM	R32448
Surr: 1,2-Dichloroethane-d4	92.8	70-130		%Rec	10	2/26/2016 1:49:05 PM	R32448
Surr: 4-Bromofluorobenzene	95.1	70-130		%Rec	10	2/26/2016 1:49:05 PM	R32448
Surr: Dibromofluoromethane	104	70-130		%Rec	10	2/26/2016 1:49:05 PM	R32448
Surr: Toluene-d8	96.5	70-130		%Rec	10	2/26/2016 1:49:05 PM	R32448

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S	% Recovery outside of range due to dilution or matrix	W	Sample container temperature is out of limit as specified

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Biotech Remediation, Inc. **Client Sample ID:** TW-42
Project: Thriftway #810 **Collection Date:** 2/22/2016 11:05:00 AM
Lab ID: 1602948-010 **Matrix:** AQUEOUS **Received Date:** 2/23/2016 8:00:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analyst:	**LGT**
Fluoride	ND	0.50		mg/L	5	2/26/2016 5:27:19 PM	R32449
Chloride	540	50	*	mg/L	100	3/1/2016 9:00:49 PM	A32498
Bromide	1.3	0.50		mg/L	5	2/26/2016 5:27:19 PM	R32449
Phosphorus, Orthophosphate (As P)	ND	2.5	H	mg/L	5	2/26/2016 5:27:19 PM	R32449
Sulfate	1900	50	*	mg/L	100	3/1/2016 9:00:49 PM	A32498
Nitrate+Nitrite as N	ND	1.0		mg/L	5	3/2/2016 6:41:32 PM	R32541
SM2510B: SPECIFIC CONDUCTANCE						Analyst:	**JRR**
Conductivity	5700	0.010		µmhos/cm	1	2/25/2016 1:43:36 AM	R32387
SM2320B: ALKALINITY						Analyst:	**JRR**
Bicarbonate (As CaCO3)	808.7	20.00		mg/L CaCO3	1	2/25/2016 1:43:36 AM	R32387
Carbonate (As CaCO3)	ND	2.000		mg/L CaCO3	1	2/25/2016 1:43:36 AM	R32387
Total Alkalinity (as CaCO3)	808.7	20.00		mg/L CaCO3	1	2/25/2016 1:43:36 AM	R32387
SM2540C MOD: TOTAL DISSOLVED SOLIDS						Analyst:	**KS**
Total Dissolved Solids	4660	200	*D	mg/L	1	2/25/2016 6:43:00 PM	23918
EPA METHOD 7470: MERCURY						Analyst:	**pmf**
Mercury	ND	0.00020		mg/L	1	2/24/2016 7:19:46 AM	23897
EPA METHOD 6010B: DISSOLVED METALS						Analyst:	**MED**
Calcium	370	20		mg/L	20	3/9/2016 12:05:27 PM	A32664
Lead	ND	0.0050		mg/L	1	3/9/2016 10:38:27 AM	A32664
Magnesium	58	1.0		mg/L	1	3/9/2016 10:38:27 AM	A32664
Potassium	6.4	1.0		mg/L	1	3/9/2016 10:38:27 AM	A32664
Sodium	1100	20		mg/L	20	3/9/2016 12:05:27 PM	A32664
EPA 6010B: TOTAL RECOVERABLE METALS						Analyst:	**MED**
Arsenic	0.31	0.020		mg/L	1	2/26/2016 11:22:16 AM	23938
Barium	0.72	0.020		mg/L	1	2/26/2016 11:22:16 AM	23938
Cadmium	ND	0.0020		mg/L	1	2/26/2016 11:22:16 AM	23938
Chromium	ND	0.0060		mg/L	1	2/26/2016 11:22:16 AM	23938
Lead	0.020	0.0050		mg/L	1	2/26/2016 11:22:16 AM	23938
Selenium	ND	0.050		mg/L	1	2/26/2016 11:22:16 AM	23938
Silver	ND	0.0050		mg/L	1	2/26/2016 11:22:16 AM	23938
EPA METHOD 8015M/D: DIESEL RANGE						Analyst:	**KJH**
Diesel Range Organics (DRO)	ND	1.0		mg/L	1	2/24/2016 9:20:56 PM	23915
Motor Oil Range Organics (MRO)	ND	5.0		mg/L	1	2/24/2016 9:20:56 PM	23915
Surr: DNOP	87.7	70-141		%Rec	1	2/24/2016 9:20:56 PM	23915
EPA METHOD 8015D: GASOLINE RANGE						Analyst:	**NSB**

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R	RPD outside accepted recovery limits	RL	Reporting Detection Limit
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Hall Environmental Analysis Laboratory, Inc.

CLIENT: Biotech Remediation, Inc. **Client Sample ID:** TW-42
Project: Thriftway #810 **Collection Date:** 2/22/2016 11:05:00 AM
Lab ID: 1602948-010 **Matrix:** AQUEOUS **Received Date:** 2/23/2016 8:00:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **NSB**	
Gasoline Range Organics (GRO)	0.11	0.050		mg/L	1	2/24/2016 5:16:04 PM	A32376
Surr: BFB	93.8	49.5-130		%Rec	1	2/24/2016 5:16:04 PM	A32376
EPA METHOD 8270C: PAHS						Analyst: **DAM**	
Naphthalene	ND	0.50		µg/L	1	3/1/2016 11:07:50 AM	23905
1-Methylnaphthalene	ND	0.50		µg/L	1	3/1/2016 11:07:50 AM	23905
2-Methylnaphthalene	ND	0.50		µg/L	1	3/1/2016 11:07:50 AM	23905
Acenaphthylene	ND	0.50		µg/L	1	3/1/2016 11:07:50 AM	23905
Acenaphthene	ND	0.50		µg/L	1	3/1/2016 11:07:50 AM	23905
Fluorene	0.66	0.50		µg/L	1	3/1/2016 11:07:50 AM	23905
Phenanthrene	ND	0.50		µg/L	1	3/1/2016 11:07:50 AM	23905
Anthracene	ND	0.50		µg/L	1	3/1/2016 11:07:50 AM	23905
Fluoranthene	ND	0.50		µg/L	1	3/1/2016 11:07:50 AM	23905
Pyrene	ND	0.50		µg/L	1	3/1/2016 11:07:50 AM	23905
Benz(a)anthracene	ND	0.50		µg/L	1	3/1/2016 11:07:50 AM	23905
Chrysene	ND	0.50		µg/L	1	3/1/2016 11:07:50 AM	23905
Benzo(b)fluoranthene	ND	0.50		µg/L	1	3/1/2016 11:07:50 AM	23905
Benzo(k)fluoranthene	ND	0.50		µg/L	1	3/1/2016 11:07:50 AM	23905
Benzo(a)pyrene	ND	0.50		µg/L	1	3/1/2016 11:07:50 AM	23905
Dibenz(a,h)anthracene	ND	0.50		µg/L	1	3/1/2016 11:07:50 AM	23905
Benzo(g,h,i)perylene	ND	0.50		µg/L	1	3/1/2016 11:07:50 AM	23905
Indeno(1,2,3-cd)pyrene	ND	0.50		µg/L	1	3/1/2016 11:07:50 AM	23905
Surr: N-hexadecane	36.1	20.2-162		%Rec	1	3/1/2016 11:07:50 AM	23905
Surr: Benzo(e)pyrene	36.4	21.1-159		%Rec	1	3/1/2016 11:07:50 AM	23905
EPA METHOD 8260B: VOLATILES						Analyst: **AG**	
Benzene	ND	1.0		µg/L	1	2/26/2016 2:46:22 PM	R32448
Toluene	ND	1.0		µg/L	1	2/26/2016 2:46:22 PM	R32448
Ethylbenzene	ND	1.0		µg/L	1	2/26/2016 2:46:22 PM	R32448
Methyl tert-butyl ether (MTBE)	23	1.0		µg/L	1	2/26/2016 2:46:22 PM	R32448
1,2,4-Trimethylbenzene	ND	1.0		µg/L	1	2/26/2016 2:46:22 PM	R32448
1,3,5-Trimethylbenzene	ND	1.0		µg/L	1	2/26/2016 2:46:22 PM	R32448
1,2-Dichloroethane (EDC)	ND	1.0		µg/L	1	2/26/2016 2:46:22 PM	R32448
1,2-Dibromoethane (EDB)	ND	1.0		µg/L	1	2/26/2016 2:46:22 PM	R32448
Naphthalene	ND	2.0		µg/L	1	2/26/2016 2:46:22 PM	R32448
1-Methylnaphthalene	ND	4.0		µg/L	1	2/26/2016 2:46:22 PM	R32448
2-Methylnaphthalene	ND	4.0		µg/L	1	2/26/2016 2:46:22 PM	R32448
Acetone	ND	10		µg/L	1	2/26/2016 2:46:22 PM	R32448
Bromobenzene	ND	1.0		µg/L	1	2/26/2016 2:46:22 PM	R32448
Bromodichloromethane	ND	1.0		µg/L	1	2/26/2016 2:46:22 PM	R32448

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Hall Environmental Analysis Laboratory, Inc.

CLIENT: Biotech Remediation, Inc. **Client Sample ID:** TW-42
Project: Thriftway #810 **Collection Date:** 2/22/2016 11:05:00 AM
Lab ID: 1602948-010 **Matrix:** AQUEOUS **Received Date:** 2/23/2016 8:00:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8260B: VOLATILES						Analyst: **AG**	
Bromoform	ND	1.0		µg/L	1	2/26/2016 2:46:22 PM	R32448
Bromomethane	ND	3.0		µg/L	1	2/26/2016 2:46:22 PM	R32448
2-Butanone	ND	10		µg/L	1	2/26/2016 2:46:22 PM	R32448
Carbon disulfide	ND	10		µg/L	1	2/26/2016 2:46:22 PM	R32448
Carbon Tetrachloride	ND	1.0		µg/L	1	2/26/2016 2:46:22 PM	R32448
Chlorobenzene	ND	1.0		µg/L	1	2/26/2016 2:46:22 PM	R32448
Chloroethane	ND	2.0		µg/L	1	2/26/2016 2:46:22 PM	R32448
Chloroform	ND	1.0		µg/L	1	2/26/2016 2:46:22 PM	R32448
Chloromethane	ND	3.0		µg/L	1	2/26/2016 2:46:22 PM	R32448
2-Chlorotoluene	ND	1.0		µg/L	1	2/26/2016 2:46:22 PM	R32448
4-Chlorotoluene	ND	1.0		µg/L	1	2/26/2016 2:46:22 PM	R32448
cis-1,2-DCE	ND	1.0		µg/L	1	2/26/2016 2:46:22 PM	R32448
cis-1,3-Dichloropropene	ND	1.0		µg/L	1	2/26/2016 2:46:22 PM	R32448
1,2-Dibromo-3-chloropropane	ND	2.0		µg/L	1	2/26/2016 2:46:22 PM	R32448
Dibromochloromethane	ND	1.0		µg/L	1	2/26/2016 2:46:22 PM	R32448
Dibromomethane	ND	1.0		µg/L	1	2/26/2016 2:46:22 PM	R32448
1,2-Dichlorobenzene	ND	1.0		µg/L	1	2/26/2016 2:46:22 PM	R32448
1,3-Dichlorobenzene	ND	1.0		µg/L	1	2/26/2016 2:46:22 PM	R32448
1,4-Dichlorobenzene	ND	1.0		µg/L	1	2/26/2016 2:46:22 PM	R32448
Dichlorodifluoromethane	ND	1.0		µg/L	1	2/26/2016 2:46:22 PM	R32448
1,1-Dichloroethane	ND	1.0		µg/L	1	2/26/2016 2:46:22 PM	R32448
1,1-Dichloroethene	ND	1.0		µg/L	1	2/26/2016 2:46:22 PM	R32448
1,2-Dichloropropane	ND	1.0		µg/L	1	2/26/2016 2:46:22 PM	R32448
1,3-Dichloropropane	ND	1.0		µg/L	1	2/26/2016 2:46:22 PM	R32448
2,2-Dichloropropane	ND	2.0		µg/L	1	2/26/2016 2:46:22 PM	R32448
1,1-Dichloropropene	ND	1.0		µg/L	1	2/26/2016 2:46:22 PM	R32448
Hexachlorobutadiene	ND	1.0		µg/L	1	2/26/2016 2:46:22 PM	R32448
2-Hexanone	ND	10		µg/L	1	2/26/2016 2:46:22 PM	R32448
Isopropylbenzene	ND	1.0		µg/L	1	2/26/2016 2:46:22 PM	R32448
4-Isopropyltoluene	ND	1.0		µg/L	1	2/26/2016 2:46:22 PM	R32448
4-Methyl-2-pentanone	ND	10		µg/L	1	2/26/2016 2:46:22 PM	R32448
Methylene Chloride	ND	3.0		µg/L	1	2/26/2016 2:46:22 PM	R32448
n-Butylbenzene	ND	3.0		µg/L	1	2/26/2016 2:46:22 PM	R32448
n-Propylbenzene	ND	1.0		µg/L	1	2/26/2016 2:46:22 PM	R32448
sec-Butylbenzene	ND	1.0		µg/L	1	2/26/2016 2:46:22 PM	R32448
Styrene	ND	1.0		µg/L	1	2/26/2016 2:46:22 PM	R32448
tert-Butylbenzene	ND	1.0		µg/L	1	2/26/2016 2:46:22 PM	R32448
1,1,1,2-Tetrachloroethane	ND	1.0		µg/L	1	2/26/2016 2:46:22 PM	R32448
1,1,2,2-Tetrachloroethane	ND	2.0		µg/L	1	2/26/2016 2:46:22 PM	R32448

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

Qualifiers:

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Hall Environmental Analysis Laboratory, Inc.

CLIENT: Biotech Remediation, Inc. **Client Sample ID:** TW-42
Project: Thriftway #810 **Collection Date:** 2/22/2016 11:05:00 AM
Lab ID: 1602948-010 **Matrix:** AQUEOUS **Received Date:** 2/23/2016 8:00:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8260B: VOLATILES						Analyst: **AG**	
Tetrachloroethene (PCE)	ND	1.0		µg/L	1	2/26/2016 2:46:22 PM	R32448
trans-1,2-DCE	ND	1.0		µg/L	1	2/26/2016 2:46:22 PM	R32448
trans-1,3-Dichloropropene	ND	1.0		µg/L	1	2/26/2016 2:46:22 PM	R32448
1,2,3-Trichlorobenzene	ND	1.0		µg/L	1	2/26/2016 2:46:22 PM	R32448
1,2,4-Trichlorobenzene	ND	1.0		µg/L	1	2/26/2016 2:46:22 PM	R32448
1,1,1-Trichloroethane	ND	1.0		µg/L	1	2/26/2016 2:46:22 PM	R32448
1,1,2-Trichloroethane	ND	1.0		µg/L	1	2/26/2016 2:46:22 PM	R32448
Trichloroethene (TCE)	ND	1.0		µg/L	1	2/26/2016 2:46:22 PM	R32448
Trichlorofluoromethane	ND	1.0		µg/L	1	2/26/2016 2:46:22 PM	R32448
1,2,3-Trichloropropane	ND	2.0		µg/L	1	2/26/2016 2:46:22 PM	R32448
Vinyl chloride	ND	1.0		µg/L	1	2/26/2016 2:46:22 PM	R32448
Xylenes, Total	ND	1.5		µg/L	1	2/26/2016 2:46:22 PM	R32448
Surr: 1,2-Dichloroethane-d4	101	70-130		%Rec	1	2/26/2016 2:46:22 PM	R32448
Surr: 4-Bromofluorobenzene	106	70-130		%Rec	1	2/26/2016 2:46:22 PM	R32448
Surr: Dibromofluoromethane	111	70-130		%Rec	1	2/26/2016 2:46:22 PM	R32448
Surr: Toluene-d8	100	70-130		%Rec	1	2/26/2016 2:46:22 PM	R32448

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

Qualifiers:

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

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Biotech Remediation, Inc. **Client Sample ID:** MW-5
Project: Thriftway #810 **Collection Date:** 2/22/2016 11:50:00 AM
Lab ID: 1602948-011 **Matrix:** AQUEOUS **Received Date:** 2/23/2016 8:00:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analyst:	**LGT**
Fluoride	ND	0.50		mg/L	5	2/26/2016 5:52:08 PM	R32449
Chloride	450	50	*	mg/L	100	3/1/2016 9:13:14 PM	A32498
Bromide	ND	0.50		mg/L	5	2/26/2016 5:52:08 PM	R32449
Phosphorus, Orthophosphate (As P)	ND	2.5	H	mg/L	5	2/26/2016 5:52:08 PM	R32449
Sulfate	2200	50	*	mg/L	100	3/1/2016 9:13:14 PM	A32498
Nitrate+Nitrite as N	ND	1.0		mg/L	5	3/2/2016 6:53:57 PM	R32541
SM2510B: SPECIFIC CONDUCTANCE						Analyst:	**JRR**
Conductivity	5800	0.010		µmhos/cm	1	2/25/2016 2:13:47 AM	R32387
SM2320B: ALKALINITY						Analyst:	**JRR**
Bicarbonate (As CaCO3)	708.3	20.00		mg/L CaCO3	1	2/25/2016 2:13:47 AM	R32387
Carbonate (As CaCO3)	ND	2.000		mg/L CaCO3	1	2/25/2016 2:13:47 AM	R32387
Total Alkalinity (as CaCO3)	708.3	20.00		mg/L CaCO3	1	2/25/2016 2:13:47 AM	R32387
SM2540C MOD: TOTAL DISSOLVED SOLIDS						Analyst:	**KS**
Total Dissolved Solids	4440	100	*D	mg/L	1	2/25/2016 6:43:00 PM	23918
EPA METHOD 7470: MERCURY						Analyst:	**pmf**
Mercury	ND	0.00020		mg/L	1	2/24/2016 7:21:46 AM	23897
EPA METHOD 6010B: DISSOLVED METALS						Analyst:	**MED**
Calcium	260	20		mg/L	20	3/9/2016 12:07:01 PM	A32664
Lead	ND	0.0050		mg/L	1	3/9/2016 10:40:11 AM	A32664
Magnesium	45	1.0		mg/L	1	3/9/2016 10:40:11 AM	A32664
Potassium	5.8	1.0		mg/L	1	3/9/2016 10:40:11 AM	A32664
Sodium	1200	20		mg/L	20	3/9/2016 12:07:01 PM	A32664
EPA 6010B: TOTAL RECOVERABLE METALS						Analyst:	**MED**
Arsenic	ND	0.020		mg/L	1	2/26/2016 11:23:35 AM	23938
Barium	0.094	0.020		mg/L	1	2/26/2016 11:23:35 AM	23938
Cadmium	ND	0.0020		mg/L	1	2/26/2016 11:23:35 AM	23938
Chromium	ND	0.0060		mg/L	1	2/26/2016 11:23:35 AM	23938
Lead	ND	0.0050		mg/L	1	2/26/2016 11:23:35 AM	23938
Selenium	ND	0.050		mg/L	1	2/26/2016 11:23:35 AM	23938
Silver	ND	0.0050		mg/L	1	2/26/2016 11:23:35 AM	23938
EPA METHOD 8015M/D: DIESEL RANGE						Analyst:	**KJH**
Diesel Range Organics (DRO)	ND	1.0		mg/L	1	2/24/2016 9:42:21 PM	23915
Motor Oil Range Organics (MRO)	ND	5.0		mg/L	1	2/24/2016 9:42:21 PM	23915
Surr: DNOP	88.5	70-141		%Rec	1	2/24/2016 9:42:21 PM	23915
EPA METHOD 8015D: GASOLINE RANGE						Analyst:	**NSB**

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

Qualifiers:

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

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Biotech Remediation, Inc. **Client Sample ID:** MW-5
Project: Thriftway #810 **Collection Date:** 2/22/2016 11:50:00 AM
Lab ID: 1602948-011 **Matrix:** AQUEOUS **Received Date:** 2/23/2016 8:00:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **NSB**	
Gasoline Range Organics (GRO)	0.094	0.050		mg/L	1	2/24/2016 5:40:30 PM	A32376
Surr: BFB	87.4	49.5-130		%Rec	1	2/24/2016 5:40:30 PM	A32376
EPA METHOD 8270C: PAHS						Analyst: **DAM**	
Naphthalene	ND	0.50		µg/L	1	3/1/2016 11:31:59 AM	23905
1-Methylnaphthalene	ND	0.50		µg/L	1	3/1/2016 11:31:59 AM	23905
2-Methylnaphthalene	ND	0.50		µg/L	1	3/1/2016 11:31:59 AM	23905
Acenaphthylene	ND	0.50		µg/L	1	3/1/2016 11:31:59 AM	23905
Acenaphthene	ND	0.50		µg/L	1	3/1/2016 11:31:59 AM	23905
Fluorene	ND	0.50		µg/L	1	3/1/2016 11:31:59 AM	23905
Phenanthrene	ND	0.50		µg/L	1	3/1/2016 11:31:59 AM	23905
Anthracene	ND	0.50		µg/L	1	3/1/2016 11:31:59 AM	23905
Fluoranthene	ND	0.50		µg/L	1	3/1/2016 11:31:59 AM	23905
Pyrene	ND	0.50		µg/L	1	3/1/2016 11:31:59 AM	23905
Benz(a)anthracene	ND	0.50		µg/L	1	3/1/2016 11:31:59 AM	23905
Chrysene	ND	0.50		µg/L	1	3/1/2016 11:31:59 AM	23905
Benzo(b)fluoranthene	ND	0.50		µg/L	1	3/1/2016 11:31:59 AM	23905
Benzo(k)fluoranthene	ND	0.50		µg/L	1	3/1/2016 11:31:59 AM	23905
Benzo(a)pyrene	ND	0.50		µg/L	1	3/1/2016 11:31:59 AM	23905
Dibenz(a,h)anthracene	ND	0.50		µg/L	1	3/1/2016 11:31:59 AM	23905
Benzo(g,h,i)perylene	ND	0.50		µg/L	1	3/1/2016 11:31:59 AM	23905
Indeno(1,2,3-cd)pyrene	ND	0.50		µg/L	1	3/1/2016 11:31:59 AM	23905
Surr: N-hexadecane	42.1	20.2-162		%Rec	1	3/1/2016 11:31:59 AM	23905
Surr: Benzo(e)pyrene	41.1	21.1-159		%Rec	1	3/1/2016 11:31:59 AM	23905
EPA METHOD 8260B: VOLATILES						Analyst: **AG**	
Benzene	ND	1.0		µg/L	1	2/26/2016 12:27:40 AM	R32398
Toluene	ND	1.0		µg/L	1	2/26/2016 12:27:40 AM	R32398
Ethylbenzene	ND	1.0		µg/L	1	2/26/2016 12:27:40 AM	R32398
Methyl tert-butyl ether (MTBE)	77	1.0		µg/L	1	2/26/2016 12:27:40 AM	R32398
1,2,4-Trimethylbenzene	ND	1.0		µg/L	1	2/26/2016 12:27:40 AM	R32398
1,3,5-Trimethylbenzene	ND	1.0		µg/L	1	2/26/2016 12:27:40 AM	R32398
1,2-Dichloroethane (EDC)	ND	1.0		µg/L	1	2/26/2016 12:27:40 AM	R32398
1,2-Dibromoethane (EDB)	ND	1.0		µg/L	1	2/26/2016 12:27:40 AM	R32398
Naphthalene	ND	2.0		µg/L	1	2/26/2016 12:27:40 AM	R32398
1-Methylnaphthalene	ND	4.0		µg/L	1	2/26/2016 12:27:40 AM	R32398
2-Methylnaphthalene	ND	4.0		µg/L	1	2/26/2016 12:27:40 AM	R32398
Acetone	ND	10		µg/L	1	2/26/2016 12:27:40 AM	R32398
Bromobenzene	ND	1.0		µg/L	1	2/26/2016 12:27:40 AM	R32398
Bromodichloromethane	ND	1.0		µg/L	1	2/26/2016 12:27:40 AM	R32398

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Qualifiers:

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

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Biotech Remediation, Inc. **Client Sample ID:** MW-5
Project: Thriftway #810 **Collection Date:** 2/22/2016 11:50:00 AM
Lab ID: 1602948-011 **Matrix:** AQUEOUS **Received Date:** 2/23/2016 8:00:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8260B: VOLATILES						Analyst: **AG**	
Bromoform	ND	1.0		µg/L	1	2/26/2016 12:27:40 AM	R32398
Bromomethane	ND	3.0		µg/L	1	2/26/2016 12:27:40 AM	R32398
2-Butanone	ND	10		µg/L	1	2/26/2016 12:27:40 AM	R32398
Carbon disulfide	ND	10		µg/L	1	2/26/2016 12:27:40 AM	R32398
Carbon Tetrachloride	ND	1.0		µg/L	1	2/26/2016 12:27:40 AM	R32398
Chlorobenzene	ND	1.0		µg/L	1	2/26/2016 12:27:40 AM	R32398
Chloroethane	ND	2.0		µg/L	1	2/26/2016 12:27:40 AM	R32398
Chloroform	ND	1.0		µg/L	1	2/26/2016 12:27:40 AM	R32398
Chloromethane	ND	3.0		µg/L	1	2/26/2016 12:27:40 AM	R32398
2-Chlorotoluene	ND	1.0		µg/L	1	2/26/2016 12:27:40 AM	R32398
4-Chlorotoluene	ND	1.0		µg/L	1	2/26/2016 12:27:40 AM	R32398
cis-1,2-DCE	ND	1.0		µg/L	1	2/26/2016 12:27:40 AM	R32398
cis-1,3-Dichloropropene	ND	1.0		µg/L	1	2/26/2016 12:27:40 AM	R32398
1,2-Dibromo-3-chloropropane	ND	2.0		µg/L	1	2/26/2016 12:27:40 AM	R32398
Dibromochloromethane	ND	1.0		µg/L	1	2/26/2016 12:27:40 AM	R32398
Dibromomethane	ND	1.0		µg/L	1	2/26/2016 12:27:40 AM	R32398
1,2-Dichlorobenzene	ND	1.0		µg/L	1	2/26/2016 12:27:40 AM	R32398
1,3-Dichlorobenzene	ND	1.0		µg/L	1	2/26/2016 12:27:40 AM	R32398
1,4-Dichlorobenzene	ND	1.0		µg/L	1	2/26/2016 12:27:40 AM	R32398
Dichlorodifluoromethane	ND	1.0		µg/L	1	2/26/2016 12:27:40 AM	R32398
1,1-Dichloroethane	ND	1.0		µg/L	1	2/26/2016 12:27:40 AM	R32398
1,1-Dichloroethene	ND	1.0		µg/L	1	2/26/2016 12:27:40 AM	R32398
1,2-Dichloropropane	ND	1.0		µg/L	1	2/26/2016 12:27:40 AM	R32398
1,3-Dichloropropane	ND	1.0		µg/L	1	2/26/2016 12:27:40 AM	R32398
2,2-Dichloropropane	ND	2.0		µg/L	1	2/26/2016 12:27:40 AM	R32398
1,1-Dichloropropene	ND	1.0		µg/L	1	2/26/2016 12:27:40 AM	R32398
Hexachlorobutadiene	ND	1.0		µg/L	1	2/26/2016 12:27:40 AM	R32398
2-Hexanone	ND	10		µg/L	1	2/26/2016 12:27:40 AM	R32398
Isopropylbenzene	ND	1.0		µg/L	1	2/26/2016 12:27:40 AM	R32398
4-Isopropyltoluene	ND	1.0		µg/L	1	2/26/2016 12:27:40 AM	R32398
4-Methyl-2-pentanone	ND	10		µg/L	1	2/26/2016 12:27:40 AM	R32398
Methylene Chloride	ND	3.0		µg/L	1	2/26/2016 12:27:40 AM	R32398
n-Butylbenzene	ND	3.0		µg/L	1	2/26/2016 12:27:40 AM	R32398
n-Propylbenzene	ND	1.0		µg/L	1	2/26/2016 12:27:40 AM	R32398
sec-Butylbenzene	ND	1.0		µg/L	1	2/26/2016 12:27:40 AM	R32398
Styrene	ND	1.0		µg/L	1	2/26/2016 12:27:40 AM	R32398
tert-Butylbenzene	ND	1.0		µg/L	1	2/26/2016 12:27:40 AM	R32398
1,1,1,2-Tetrachloroethane	ND	1.0		µg/L	1	2/26/2016 12:27:40 AM	R32398
1,1,2,2-Tetrachloroethane	ND	2.0		µg/L	1	2/26/2016 12:27:40 AM	R32398

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

Qualifiers:

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

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Biotech Remediation, Inc. **Client Sample ID:** MW-5
Project: Thriftway #810 **Collection Date:** 2/22/2016 11:50:00 AM
Lab ID: 1602948-011 **Matrix:** AQUEOUS **Received Date:** 2/23/2016 8:00:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8260B: VOLATILES						Analyst: **AG**	
Tetrachloroethene (PCE)	ND	1.0		µg/L	1	2/26/2016 12:27:40 AM	R32398
trans-1,2-DCE	ND	1.0		µg/L	1	2/26/2016 12:27:40 AM	R32398
trans-1,3-Dichloropropene	ND	1.0		µg/L	1	2/26/2016 12:27:40 AM	R32398
1,2,3-Trichlorobenzene	ND	1.0		µg/L	1	2/26/2016 12:27:40 AM	R32398
1,2,4-Trichlorobenzene	ND	1.0		µg/L	1	2/26/2016 12:27:40 AM	R32398
1,1,1-Trichloroethane	ND	1.0		µg/L	1	2/26/2016 12:27:40 AM	R32398
1,1,2-Trichloroethane	ND	1.0		µg/L	1	2/26/2016 12:27:40 AM	R32398
Trichloroethene (TCE)	ND	1.0		µg/L	1	2/26/2016 12:27:40 AM	R32398
Trichlorofluoromethane	ND	1.0		µg/L	1	2/26/2016 12:27:40 AM	R32398
1,2,3-Trichloropropane	ND	2.0		µg/L	1	2/26/2016 12:27:40 AM	R32398
Vinyl chloride	ND	1.0		µg/L	1	2/26/2016 12:27:40 AM	R32398
Xylenes, Total	ND	1.5		µg/L	1	2/26/2016 12:27:40 AM	R32398
Surr: 1,2-Dichloroethane-d4	97.2	70-130		%Rec	1	2/26/2016 12:27:40 AM	R32398
Surr: 4-Bromofluorobenzene	101	70-130		%Rec	1	2/26/2016 12:27:40 AM	R32398
Surr: Dibromofluoromethane	109	70-130		%Rec	1	2/26/2016 12:27:40 AM	R32398
Surr: Toluene-d8	115	70-130		%Rec	1	2/26/2016 12:27:40 AM	R32398

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

Qualifiers:

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

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Biotech Remediation, Inc. **Client Sample ID:** TW-43
Project: Thriftway #810 **Collection Date:** 2/22/2016 12:40:00 PM
Lab ID: 1602948-012 **Matrix:** AQUEOUS **Received Date:** 2/23/2016 8:00:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analyst:	**LGT**
Fluoride	ND	0.50		mg/L	5	2/26/2016 6:41:47 PM	R32449
Chloride	59	10		mg/L	20	2/26/2016 6:54:12 PM	R32449
Bromide	ND	0.50		mg/L	5	2/26/2016 6:41:47 PM	R32449
Phosphorus, Orthophosphate (As P)	ND	2.5	H	mg/L	5	2/26/2016 6:41:47 PM	R32449
Sulfate	2700	50	*	mg/L	100	3/1/2016 9:50:27 PM	A32498
Nitrate+Nitrite as N	ND	1.0		mg/L	5	3/2/2016 7:06:22 PM	R32541
SM2510B: SPECIFIC CONDUCTANCE						Analyst:	**JRR**
Conductivity	5200	0.010		µmhos/cm	1	2/25/2016 2:40:38 AM	R32387
SM2320B: ALKALINITY						Analyst:	**JRR**
Bicarbonate (As CaCO3)	732.8	20.00		mg/L CaCO3	1	2/25/2016 2:40:38 AM	R32387
Carbonate (As CaCO3)	ND	2.000		mg/L CaCO3	1	2/25/2016 2:40:38 AM	R32387
Total Alkalinity (as CaCO3)	732.8	20.00		mg/L CaCO3	1	2/25/2016 2:40:38 AM	R32387
SM2540C MOD: TOTAL DISSOLVED SOLIDS						Analyst:	**KS**
Total Dissolved Solids	4570	200	*D	mg/L	1	2/25/2016 6:43:00 PM	23918
EPA METHOD 7470: MERCURY						Analyst:	**pmf**
Mercury	ND	0.00020		mg/L	1	2/24/2016 7:23:47 AM	23897
EPA METHOD 6010B: DISSOLVED METALS						Analyst:	**MED**
Calcium	490	10		mg/L	10	3/9/2016 12:08:37 PM	A32664
Lead	ND	0.0050		mg/L	1	3/9/2016 10:41:52 AM	A32664
Magnesium	51	1.0		mg/L	1	3/9/2016 10:41:52 AM	A32664
Potassium	7.1	1.0		mg/L	1	3/9/2016 10:41:52 AM	A32664
Sodium	850	10		mg/L	10	3/9/2016 12:08:37 PM	A32664
EPA 6010B: TOTAL RECOVERABLE METALS						Analyst:	**MED**
Arsenic	0.20	0.020		mg/L	1	2/26/2016 11:24:54 AM	23938
Barium	0.30	0.020		mg/L	1	2/26/2016 11:24:54 AM	23938
Cadmium	ND	0.0020		mg/L	1	2/26/2016 11:24:54 AM	23938
Chromium	ND	0.0060		mg/L	1	2/26/2016 11:24:54 AM	23938
Lead	ND	0.0050		mg/L	1	2/26/2016 11:24:54 AM	23938
Selenium	ND	0.050		mg/L	1	2/26/2016 11:24:54 AM	23938
Silver	ND	0.0050		mg/L	1	2/26/2016 11:24:54 AM	23938
EPA METHOD 8015M/D: DIESEL RANGE						Analyst:	**KJH**
Diesel Range Organics (DRO)	ND	1.0		mg/L	1	2/24/2016 10:03:51 PM	23915
Motor Oil Range Organics (MRO)	ND	5.0		mg/L	1	2/24/2016 10:03:51 PM	23915
Surr: DNOP	88.5	70-141		%Rec	1	2/24/2016 10:03:51 PM	23915
EPA METHOD 8015D: GASOLINE RANGE						Analyst:	**NSB**

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

Qualifiers:

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

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Biotech Remediation, Inc. **Client Sample ID:** TW-43
Project: Thriftway #810 **Collection Date:** 2/22/2016 12:40:00 PM
Lab ID: 1602948-012 **Matrix:** AQUEOUS **Received Date:** 2/23/2016 8:00:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **NSB**	
Gasoline Range Organics (GRO)	0.44	0.10	D	mg/L	2	2/24/2016 6:05:03 PM	A32376
Surr: BFB	84.2	49.5-130	D	%Rec	2	2/24/2016 6:05:03 PM	A32376
EPA METHOD 8270C: PAHS						Analyst: **DAM**	
Naphthalene	ND	0.50		µg/L	1	3/1/2016 11:56:11 AM	23905
1-Methylnaphthalene	ND	0.50		µg/L	1	3/1/2016 11:56:11 AM	23905
2-Methylnaphthalene	ND	0.50		µg/L	1	3/1/2016 11:56:11 AM	23905
Acenaphthylene	ND	0.50		µg/L	1	3/1/2016 11:56:11 AM	23905
Acenaphthene	ND	0.50		µg/L	1	3/1/2016 11:56:11 AM	23905
Fluorene	ND	0.50		µg/L	1	3/1/2016 11:56:11 AM	23905
Phenanthrene	ND	0.50		µg/L	1	3/1/2016 11:56:11 AM	23905
Anthracene	ND	0.50		µg/L	1	3/1/2016 11:56:11 AM	23905
Fluoranthene	ND	0.50		µg/L	1	3/1/2016 11:56:11 AM	23905
Pyrene	ND	0.50		µg/L	1	3/1/2016 11:56:11 AM	23905
Benz(a)anthracene	ND	0.50		µg/L	1	3/1/2016 11:56:11 AM	23905
Chrysene	ND	0.50		µg/L	1	3/1/2016 11:56:11 AM	23905
Benzo(b)fluoranthene	ND	0.50		µg/L	1	3/1/2016 11:56:11 AM	23905
Benzo(k)fluoranthene	ND	0.50		µg/L	1	3/1/2016 11:56:11 AM	23905
Benzo(a)pyrene	ND	0.50		µg/L	1	3/1/2016 11:56:11 AM	23905
Dibenz(a,h)anthracene	ND	0.50		µg/L	1	3/1/2016 11:56:11 AM	23905
Benzo(g,h,i)perylene	ND	0.50		µg/L	1	3/1/2016 11:56:11 AM	23905
Indeno(1,2,3-cd)pyrene	ND	0.50		µg/L	1	3/1/2016 11:56:11 AM	23905
Surr: N-hexadecane	36.5	20.2-162		%Rec	1	3/1/2016 11:56:11 AM	23905
Surr: Benzo(e)pyrene	38.7	21.1-159		%Rec	1	3/1/2016 11:56:11 AM	23905
EPA METHOD 8260B: VOLATILES						Analyst: **AG**	
Benzene	ND	1.0		µg/L	1	2/26/2016 12:56:23 AM	R32398
Toluene	ND	1.0		µg/L	1	2/26/2016 12:56:23 AM	R32398
Ethylbenzene	ND	1.0		µg/L	1	2/26/2016 12:56:23 AM	R32398
Methyl tert-butyl ether (MTBE)	380	10		µg/L	10	2/26/2016 3:43:53 PM	R32448
1,2,4-Trimethylbenzene	ND	1.0		µg/L	1	2/26/2016 12:56:23 AM	R32398
1,3,5-Trimethylbenzene	ND	1.0		µg/L	1	2/26/2016 12:56:23 AM	R32398
1,2-Dichloroethane (EDC)	ND	1.0		µg/L	1	2/26/2016 12:56:23 AM	R32398
1,2-Dibromoethane (EDB)	ND	1.0		µg/L	1	2/26/2016 12:56:23 AM	R32398
Naphthalene	ND	2.0		µg/L	1	2/26/2016 12:56:23 AM	R32398
1-Methylnaphthalene	ND	4.0		µg/L	1	2/26/2016 12:56:23 AM	R32398
2-Methylnaphthalene	ND	4.0		µg/L	1	2/26/2016 12:56:23 AM	R32398
Acetone	ND	10		µg/L	1	2/26/2016 12:56:23 AM	R32398
Bromobenzene	ND	1.0		µg/L	1	2/26/2016 12:56:23 AM	R32398
Bromodichloromethane	ND	1.0		µg/L	1	2/26/2016 12:56:23 AM	R32398

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

Qualifiers:

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

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Biotech Remediation, Inc. **Client Sample ID:** TW-43
Project: Thriftway #810 **Collection Date:** 2/22/2016 12:40:00 PM
Lab ID: 1602948-012 **Matrix:** AQUEOUS **Received Date:** 2/23/2016 8:00:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8260B: VOLATILES						Analyst: **AG**	
Bromoform	ND	1.0		µg/L	1	2/26/2016 12:56:23 AM	R32398
Bromomethane	ND	3.0		µg/L	1	2/26/2016 12:56:23 AM	R32398
2-Butanone	ND	10		µg/L	1	2/26/2016 12:56:23 AM	R32398
Carbon disulfide	ND	10		µg/L	1	2/26/2016 12:56:23 AM	R32398
Carbon Tetrachloride	ND	1.0		µg/L	1	2/26/2016 12:56:23 AM	R32398
Chlorobenzene	ND	1.0		µg/L	1	2/26/2016 12:56:23 AM	R32398
Chloroethane	ND	2.0		µg/L	1	2/26/2016 12:56:23 AM	R32398
Chloroform	ND	1.0		µg/L	1	2/26/2016 12:56:23 AM	R32398
Chloromethane	ND	3.0		µg/L	1	2/26/2016 12:56:23 AM	R32398
2-Chlorotoluene	ND	1.0		µg/L	1	2/26/2016 12:56:23 AM	R32398
4-Chlorotoluene	ND	1.0		µg/L	1	2/26/2016 12:56:23 AM	R32398
cis-1,2-DCE	ND	1.0		µg/L	1	2/26/2016 12:56:23 AM	R32398
cis-1,3-Dichloropropene	ND	1.0		µg/L	1	2/26/2016 12:56:23 AM	R32398
1,2-Dibromo-3-chloropropane	ND	2.0		µg/L	1	2/26/2016 12:56:23 AM	R32398
Dibromochloromethane	ND	1.0		µg/L	1	2/26/2016 12:56:23 AM	R32398
Dibromomethane	ND	1.0		µg/L	1	2/26/2016 12:56:23 AM	R32398
1,2-Dichlorobenzene	ND	1.0		µg/L	1	2/26/2016 12:56:23 AM	R32398
1,3-Dichlorobenzene	ND	1.0		µg/L	1	2/26/2016 12:56:23 AM	R32398
1,4-Dichlorobenzene	ND	1.0		µg/L	1	2/26/2016 12:56:23 AM	R32398
Dichlorodifluoromethane	ND	1.0		µg/L	1	2/26/2016 12:56:23 AM	R32398
1,1-Dichloroethane	ND	1.0		µg/L	1	2/26/2016 12:56:23 AM	R32398
1,1-Dichloroethene	ND	1.0		µg/L	1	2/26/2016 12:56:23 AM	R32398
1,2-Dichloropropane	ND	1.0		µg/L	1	2/26/2016 12:56:23 AM	R32398
1,3-Dichloropropane	ND	1.0		µg/L	1	2/26/2016 12:56:23 AM	R32398
2,2-Dichloropropane	ND	2.0		µg/L	1	2/26/2016 12:56:23 AM	R32398
1,1-Dichloropropene	ND	1.0		µg/L	1	2/26/2016 12:56:23 AM	R32398
Hexachlorobutadiene	ND	1.0		µg/L	1	2/26/2016 12:56:23 AM	R32398
2-Hexanone	ND	10		µg/L	1	2/26/2016 12:56:23 AM	R32398
Isopropylbenzene	ND	1.0		µg/L	1	2/26/2016 12:56:23 AM	R32398
4-Isopropyltoluene	ND	1.0		µg/L	1	2/26/2016 12:56:23 AM	R32398
4-Methyl-2-pentanone	ND	10		µg/L	1	2/26/2016 12:56:23 AM	R32398
Methylene Chloride	ND	3.0		µg/L	1	2/26/2016 12:56:23 AM	R32398
n-Butylbenzene	ND	3.0		µg/L	1	2/26/2016 12:56:23 AM	R32398
n-Propylbenzene	ND	1.0		µg/L	1	2/26/2016 12:56:23 AM	R32398
sec-Butylbenzene	ND	1.0		µg/L	1	2/26/2016 12:56:23 AM	R32398
Styrene	ND	1.0		µg/L	1	2/26/2016 12:56:23 AM	R32398
tert-Butylbenzene	ND	1.0		µg/L	1	2/26/2016 12:56:23 AM	R32398
1,1,1,2-Tetrachloroethane	ND	1.0		µg/L	1	2/26/2016 12:56:23 AM	R32398
1,1,2,2-Tetrachloroethane	ND	2.0		µg/L	1	2/26/2016 12:56:23 AM	R32398

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Qualifiers:

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

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Biotech Remediation, Inc. **Client Sample ID:** TW-43
Project: Thriftway #810 **Collection Date:** 2/22/2016 12:40:00 PM
Lab ID: 1602948-012 **Matrix:** AQUEOUS **Received Date:** 2/23/2016 8:00:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8260B: VOLATILES						Analyst: **AG**	
Tetrachloroethene (PCE)	ND	1.0		µg/L	1	2/26/2016 12:56:23 AM	R32398
trans-1,2-DCE	ND	1.0		µg/L	1	2/26/2016 12:56:23 AM	R32398
trans-1,3-Dichloropropene	ND	1.0		µg/L	1	2/26/2016 12:56:23 AM	R32398
1,2,3-Trichlorobenzene	ND	1.0		µg/L	1	2/26/2016 12:56:23 AM	R32398
1,2,4-Trichlorobenzene	ND	1.0		µg/L	1	2/26/2016 12:56:23 AM	R32398
1,1,1-Trichloroethane	ND	1.0		µg/L	1	2/26/2016 12:56:23 AM	R32398
1,1,2-Trichloroethane	ND	1.0		µg/L	1	2/26/2016 12:56:23 AM	R32398
Trichloroethene (TCE)	ND	1.0		µg/L	1	2/26/2016 12:56:23 AM	R32398
Trichlorofluoromethane	ND	1.0		µg/L	1	2/26/2016 12:56:23 AM	R32398
1,2,3-Trichloropropane	ND	2.0		µg/L	1	2/26/2016 12:56:23 AM	R32398
Vinyl chloride	ND	1.0		µg/L	1	2/26/2016 12:56:23 AM	R32398
Xylenes, Total	ND	1.5		µg/L	1	2/26/2016 12:56:23 AM	R32398
Surr: 1,2-Dichloroethane-d4	93.4	70-130		%Rec	1	2/26/2016 12:56:23 AM	R32398
Surr: 4-Bromofluorobenzene	99.0	70-130		%Rec	1	2/26/2016 12:56:23 AM	R32398
Surr: Dibromofluoromethane	111	70-130		%Rec	1	2/26/2016 12:56:23 AM	R32398
Surr: Toluene-d8	109	70-130		%Rec	1	2/26/2016 12:56:23 AM	R32398

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

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Biotech Remediation, Inc. **Client Sample ID:** TW-36
Project: Thriftway #810 **Collection Date:** 2/22/2016 1:40:00 PM
Lab ID: 1602948-013 **Matrix:** AQUEOUS **Received Date:** 2/23/2016 8:00:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analyst:	**LGT**
Fluoride	ND	0.50		mg/L	5	2/26/2016 7:06:36 PM	R32449
Chloride	50	10		mg/L	20	2/26/2016 7:19:00 PM	R32449
Bromide	ND	0.50		mg/L	5	2/26/2016 7:06:36 PM	R32449
Phosphorus, Orthophosphate (As P)	ND	2.5	H	mg/L	5	2/26/2016 7:06:36 PM	R32449
Sulfate	4200	50	*	mg/L	100	3/1/2016 10:02:52 PM	A32498
Nitrate+Nitrite as N	ND	1.0		mg/L	5	3/2/2016 7:18:47 PM	R32541
SM2510B: SPECIFIC CONDUCTANCE						Analyst:	**JRR**
Conductivity	6700	0.010		µmhos/cm	1	2/25/2016 3:16:56 AM	R32387
SM2320B: ALKALINITY						Analyst:	**JRR**
Bicarbonate (As CaCO3)	399.4	20.00		mg/L CaCO3	1	2/25/2016 3:16:56 AM	R32387
Carbonate (As CaCO3)	ND	2.000		mg/L CaCO3	1	2/25/2016 3:16:56 AM	R32387
Total Alkalinity (as CaCO3)	399.4	20.00		mg/L CaCO3	1	2/25/2016 3:16:56 AM	R32387
SM2540C MOD: TOTAL DISSOLVED SOLIDS						Analyst:	**KS**
Total Dissolved Solids	5860	100	*D	mg/L	1	2/25/2016 6:43:00 PM	23918
EPA METHOD 7470: MERCURY						Analyst:	**pmf**
Mercury	ND	0.00020		mg/L	1	2/24/2016 7:25:48 AM	23897
EPA METHOD 6010B: DISSOLVED METALS						Analyst:	**MED**
Calcium	430	20		mg/L	20	3/9/2016 12:10:14 PM	A32664
Lead	ND	0.0050		mg/L	1	3/9/2016 10:43:33 AM	A32664
Magnesium	81	1.0		mg/L	1	3/9/2016 10:43:33 AM	A32664
Potassium	7.3	1.0		mg/L	1	3/9/2016 10:43:33 AM	A32664
Sodium	1500	20		mg/L	20	3/9/2016 12:10:14 PM	A32664
EPA 6010B: TOTAL RECOVERABLE METALS						Analyst:	**MED**
Arsenic	0.023	0.020		mg/L	1	2/26/2016 11:31:24 AM	23938
Barium	0.032	0.020		mg/L	1	2/26/2016 11:31:24 AM	23938
Cadmium	ND	0.0020		mg/L	1	2/26/2016 11:31:24 AM	23938
Chromium	ND	0.0060		mg/L	1	2/26/2016 11:31:24 AM	23938
Lead	ND	0.0050		mg/L	1	2/26/2016 11:31:24 AM	23938
Selenium	ND	0.050		mg/L	1	2/26/2016 11:31:24 AM	23938
Silver	ND	0.0050		mg/L	1	2/26/2016 11:31:24 AM	23938
EPA METHOD 8015M/D: DIESEL RANGE						Analyst:	**KJH**
Diesel Range Organics (DRO)	ND	1.0		mg/L	1	2/24/2016 10:25:10 PM	23915
Motor Oil Range Organics (MRO)	ND	5.0		mg/L	1	2/24/2016 10:25:10 PM	23915
Surr: DNOP	91.8	70-141		%Rec	1	2/24/2016 10:25:10 PM	23915
EPA METHOD 8015D: GASOLINE RANGE						Analyst:	**NSB**

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

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Biotech Remediation, Inc. **Client Sample ID:** TW-36
Project: Thriftway #810 **Collection Date:** 2/22/2016 1:40:00 PM
Lab ID: 1602948-013 **Matrix:** AQUEOUS **Received Date:** 2/23/2016 8:00:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **NSB**	
Gasoline Range Organics (GRO)	ND	0.050		mg/L	1	2/25/2016 10:24:37 AM	R32416
Surr: BFB	92.3	49.5-130		%Rec	1	2/25/2016 10:24:37 AM	R32416
EPA METHOD 8270C: PAHS						Analyst: **DAM**	
Naphthalene	ND	0.50		µg/L	1	3/1/2016 12:57:14 PM	23905
1-Methylnaphthalene	1.4	0.50		µg/L	1	3/1/2016 12:57:14 PM	23905
2-Methylnaphthalene	ND	0.50		µg/L	1	3/1/2016 12:57:14 PM	23905
Acenaphthylene	ND	0.50		µg/L	1	3/1/2016 12:57:14 PM	23905
Acenaphthene	ND	0.50		µg/L	1	3/1/2016 12:57:14 PM	23905
Fluorene	2.1	0.50		µg/L	1	3/1/2016 12:57:14 PM	23905
Phenanthrene	1.2	0.50		µg/L	1	3/1/2016 12:57:14 PM	23905
Anthracene	ND	0.50		µg/L	1	3/1/2016 12:57:14 PM	23905
Fluoranthene	ND	0.50		µg/L	1	3/1/2016 12:57:14 PM	23905
Pyrene	ND	0.50		µg/L	1	3/1/2016 12:57:14 PM	23905
Benz(a)anthracene	ND	0.50		µg/L	1	3/1/2016 12:57:14 PM	23905
Chrysene	ND	0.50		µg/L	1	3/1/2016 12:57:14 PM	23905
Benzo(b)fluoranthene	ND	0.50		µg/L	1	3/1/2016 12:57:14 PM	23905
Benzo(k)fluoranthene	ND	0.50		µg/L	1	3/1/2016 12:57:14 PM	23905
Benzo(a)pyrene	ND	0.50		µg/L	1	3/1/2016 12:57:14 PM	23905
Dibenz(a,h)anthracene	ND	0.50		µg/L	1	3/1/2016 12:57:14 PM	23905
Benzo(g,h,i)perylene	ND	0.50		µg/L	1	3/1/2016 12:57:14 PM	23905
Indeno(1,2,3-cd)pyrene	ND	0.50		µg/L	1	3/1/2016 12:57:14 PM	23905
Surr: N-hexadecane	39.0	20.2-162		%Rec	1	3/1/2016 12:57:14 PM	23905
Surr: Benzo(e)pyrene	38.1	21.1-159		%Rec	1	3/1/2016 12:57:14 PM	23905
EPA METHOD 8260B: VOLATILES						Analyst: **AG**	
Benzene	ND	1.0		µg/L	1	2/26/2016 4:12:33 PM	R32448
Toluene	ND	1.0		µg/L	1	2/26/2016 4:12:33 PM	R32448
Ethylbenzene	ND	1.0		µg/L	1	2/26/2016 4:12:33 PM	R32448
Methyl tert-butyl ether (MTBE)	1.2	1.0		µg/L	1	2/26/2016 4:12:33 PM	R32448
1,2,4-Trimethylbenzene	2.9	1.0		µg/L	1	2/26/2016 4:12:33 PM	R32448
1,3,5-Trimethylbenzene	ND	1.0		µg/L	1	2/26/2016 4:12:33 PM	R32448
1,2-Dichloroethane (EDC)	ND	1.0		µg/L	1	2/26/2016 4:12:33 PM	R32448
1,2-Dibromoethane (EDB)	ND	1.0		µg/L	1	2/26/2016 4:12:33 PM	R32448
Naphthalene	ND	2.0		µg/L	1	2/26/2016 4:12:33 PM	R32448
1-Methylnaphthalene	ND	4.0		µg/L	1	2/26/2016 4:12:33 PM	R32448
2-Methylnaphthalene	ND	4.0		µg/L	1	2/26/2016 4:12:33 PM	R32448
Acetone	ND	10		µg/L	1	2/26/2016 4:12:33 PM	R32448
Bromobenzene	ND	1.0		µg/L	1	2/26/2016 4:12:33 PM	R32448
Bromodichloromethane	ND	1.0		µg/L	1	2/26/2016 4:12:33 PM	R32448

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

Qualifiers:

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

CLIENT: Biotech Remediation, Inc. **Client Sample ID:** TW-36
Project: Thriftway #810 **Collection Date:** 2/22/2016 1:40:00 PM
Lab ID: 1602948-013 **Matrix:** AQUEOUS **Received Date:** 2/23/2016 8:00:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8260B: VOLATILES						Analyst: **AG**	
Bromoform	ND	1.0		µg/L	1	2/26/2016 4:12:33 PM	R32448
Bromomethane	ND	3.0		µg/L	1	2/26/2016 4:12:33 PM	R32448
2-Butanone	ND	10		µg/L	1	2/26/2016 4:12:33 PM	R32448
Carbon disulfide	ND	10		µg/L	1	2/26/2016 4:12:33 PM	R32448
Carbon Tetrachloride	ND	1.0		µg/L	1	2/26/2016 4:12:33 PM	R32448
Chlorobenzene	ND	1.0		µg/L	1	2/26/2016 4:12:33 PM	R32448
Chloroethane	ND	2.0		µg/L	1	2/26/2016 4:12:33 PM	R32448
Chloroform	ND	1.0		µg/L	1	2/26/2016 4:12:33 PM	R32448
Chloromethane	ND	3.0		µg/L	1	2/26/2016 4:12:33 PM	R32448
2-Chlorotoluene	ND	1.0		µg/L	1	2/26/2016 4:12:33 PM	R32448
4-Chlorotoluene	ND	1.0		µg/L	1	2/26/2016 4:12:33 PM	R32448
cis-1,2-DCE	ND	1.0		µg/L	1	2/26/2016 4:12:33 PM	R32448
cis-1,3-Dichloropropene	ND	1.0		µg/L	1	2/26/2016 4:12:33 PM	R32448
1,2-Dibromo-3-chloropropane	ND	2.0		µg/L	1	2/26/2016 4:12:33 PM	R32448
Dibromochloromethane	ND	1.0		µg/L	1	2/26/2016 4:12:33 PM	R32448
Dibromomethane	ND	1.0		µg/L	1	2/26/2016 4:12:33 PM	R32448
1,2-Dichlorobenzene	ND	1.0		µg/L	1	2/26/2016 4:12:33 PM	R32448
1,3-Dichlorobenzene	ND	1.0		µg/L	1	2/26/2016 4:12:33 PM	R32448
1,4-Dichlorobenzene	ND	1.0		µg/L	1	2/26/2016 4:12:33 PM	R32448
Dichlorodifluoromethane	ND	1.0		µg/L	1	2/26/2016 4:12:33 PM	R32448
1,1-Dichloroethane	ND	1.0		µg/L	1	2/26/2016 4:12:33 PM	R32448
1,1-Dichloroethene	ND	1.0		µg/L	1	2/26/2016 4:12:33 PM	R32448
1,2-Dichloropropane	ND	1.0		µg/L	1	2/26/2016 4:12:33 PM	R32448
1,3-Dichloropropane	ND	1.0		µg/L	1	2/26/2016 4:12:33 PM	R32448
2,2-Dichloropropane	ND	2.0		µg/L	1	2/26/2016 4:12:33 PM	R32448
1,1-Dichloropropene	ND	1.0		µg/L	1	2/26/2016 4:12:33 PM	R32448
Hexachlorobutadiene	ND	1.0		µg/L	1	2/26/2016 4:12:33 PM	R32448
2-Hexanone	ND	10		µg/L	1	2/26/2016 4:12:33 PM	R32448
Isopropylbenzene	ND	1.0		µg/L	1	2/26/2016 4:12:33 PM	R32448
4-Isopropyltoluene	ND	1.0		µg/L	1	2/26/2016 4:12:33 PM	R32448
4-Methyl-2-pentanone	ND	10		µg/L	1	2/26/2016 4:12:33 PM	R32448
Methylene Chloride	ND	3.0		µg/L	1	2/26/2016 4:12:33 PM	R32448
n-Butylbenzene	ND	3.0		µg/L	1	2/26/2016 4:12:33 PM	R32448
n-Propylbenzene	ND	1.0		µg/L	1	2/26/2016 4:12:33 PM	R32448
sec-Butylbenzene	ND	1.0		µg/L	1	2/26/2016 4:12:33 PM	R32448
Styrene	ND	1.0		µg/L	1	2/26/2016 4:12:33 PM	R32448
tert-Butylbenzene	ND	1.0		µg/L	1	2/26/2016 4:12:33 PM	R32448
1,1,1,2-Tetrachloroethane	ND	1.0		µg/L	1	2/26/2016 4:12:33 PM	R32448
1,1,2,2-Tetrachloroethane	ND	2.0		µg/L	1	2/26/2016 4:12:33 PM	R32448

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

Qualifiers:

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H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
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R	RPD outside accepted recovery limits	RL	Reporting Detection Limit
S	% Recovery outside of range due to dilution or matrix	W	Sample container temperature is out of limit as specified

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Biotech Remediation, Inc. **Client Sample ID:** TW-36
Project: Thriftway #810 **Collection Date:** 2/22/2016 1:40:00 PM
Lab ID: 1602948-013 **Matrix:** AQUEOUS **Received Date:** 2/23/2016 8:00:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8260B: VOLATILES						Analyst: **AG**	
Tetrachloroethene (PCE)	ND	1.0		µg/L	1	2/26/2016 4:12:33 PM	R32448
trans-1,2-DCE	ND	1.0		µg/L	1	2/26/2016 4:12:33 PM	R32448
trans-1,3-Dichloropropene	ND	1.0		µg/L	1	2/26/2016 4:12:33 PM	R32448
1,2,3-Trichlorobenzene	ND	1.0		µg/L	1	2/26/2016 4:12:33 PM	R32448
1,2,4-Trichlorobenzene	ND	1.0		µg/L	1	2/26/2016 4:12:33 PM	R32448
1,1,1-Trichloroethane	ND	1.0		µg/L	1	2/26/2016 4:12:33 PM	R32448
1,1,2-Trichloroethane	ND	1.0		µg/L	1	2/26/2016 4:12:33 PM	R32448
Trichloroethene (TCE)	ND	1.0		µg/L	1	2/26/2016 4:12:33 PM	R32448
Trichlorofluoromethane	ND	1.0		µg/L	1	2/26/2016 4:12:33 PM	R32448
1,2,3-Trichloropropane	ND	2.0		µg/L	1	2/26/2016 4:12:33 PM	R32448
Vinyl chloride	ND	1.0		µg/L	1	2/26/2016 4:12:33 PM	R32448
Xylenes, Total	ND	1.5		µg/L	1	2/26/2016 4:12:33 PM	R32448
Surr: 1,2-Dichloroethane-d4	93.9	70-130		%Rec	1	2/26/2016 4:12:33 PM	R32448
Surr: 4-Bromofluorobenzene	96.2	70-130		%Rec	1	2/26/2016 4:12:33 PM	R32448
Surr: Dibromofluoromethane	102	70-130		%Rec	1	2/26/2016 4:12:33 PM	R32448
Surr: Toluene-d8	99.4	70-130		%Rec	1	2/26/2016 4:12:33 PM	R32448

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

Qualifiers:

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

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: **1602948**

10-Mar-16

Client: Biotech Remediation, Inc.

Project: Thriftway #810

Sample ID **MB**	SampType: **MBLK**	TestCode: **EPA Method 300.0: Anions**
Client ID: **PBW**	Batch ID: **R32406**	RunNo: **32406**
Prep Date:	Analysis Date: **2/25/2016**	SeqNo: **990917** Units: **mg/L**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Fluoride	ND	0.10								
Chloride	ND	0.50								
Bromide	ND	0.10								
Phosphorus, Orthophosphate (As P	ND	0.50								
Sulfate	ND	0.50								

Sample ID **LCS**	SampType: **LCS**	TestCode: **EPA Method 300.0: Anions**
Client ID: **LCSW**	Batch ID: **R32406**	RunNo: **32406**
Prep Date:	Analysis Date: **2/25/2016**	SeqNo: **990918** Units: **mg/L**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Fluoride	0.52	0.10	0.5000	0	105	90	110			
Chloride	4.8	0.50	5.000	0	95.0	90	110			
Bromide	2.5	0.10	2.500	0	101	90	110			
Phosphorus, Orthophosphate (As P	4.9	0.50	5.000	0	97.8	90	110			
Sulfate	9.7	0.50	10.00	0	97.3	90	110			

Sample ID **MB**	SampType: **MBLK**	TestCode: **EPA Method 300.0: Anions**
Client ID: **PBW**	Batch ID: **R32449**	RunNo: **32449**
Prep Date:	Analysis Date: **2/26/2016**	SeqNo: **992378** Units: **mg/L**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Fluoride	ND	0.10								
Chloride	ND	0.50								
Bromide	ND	0.10								
Phosphorus, Orthophosphate (As P	ND	0.50								

Sample ID **LCS**	SampType: **LCS**	TestCode: **EPA Method 300.0: Anions**
Client ID: **LCSW**	Batch ID: **R32449**	RunNo: **32449**
Prep Date:	Analysis Date: **2/26/2016**	SeqNo: **992379** Units: **mg/L**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Fluoride	0.47	0.10	0.5000	0	93.0	90	110			
Chloride	4.8	0.50	5.000	0	96.1	90	110			
Bromide	2.4	0.10	2.500	0	96.6	90	110			
Phosphorus, Orthophosphate (As P	4.8	0.50	5.000	0	96.9	90	110			

Qualifiers:

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

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: **1602948**

10-Mar-16

Client: Biotech Remediation, Inc.

Project: Thriftway #810

Sample ID	**1602948-008EMS**	SampType:	**MS**		TestCode:	**EPA Method 300.0: Anions**				
Client ID:	**MW-4**	Batch ID:	**R32449**		RunNo:	**32449**				
Prep Date:		Analysis Date:	**2/26/2016**		SeqNo:	**992380**	Units:	**mg/L**		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Fluoride	2.6	0.50	2.500	0	105	71.4	120			
Bromide	14	0.50	12.50	0	114	74.9	117			

Sample ID	**1602948-008EMSD**	SampType:	**MSD**		TestCode:	**EPA Method 300.0: Anions**				
Client ID:	**MW-4**	Batch ID:	**R32449**		RunNo:	**32449**				
Prep Date:		Analysis Date:	**2/26/2016**		SeqNo:	**992381**	Units:	**mg/L**		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Fluoride	2.6	0.50	2.500	0	105	71.4	120	0.362	20	
Bromide	14	0.50	12.50	0	113	74.9	117	0.362	20	

Sample ID	**MB**	SampType:	**MBLK**		TestCode:	**EPA Method 300.0: Anions**				
Client ID:	**PBW**	Batch ID:	**A32449**		RunNo:	**32449**				
Prep Date:		Analysis Date:	**2/26/2016**		SeqNo:	**992427**	Units:	**mg/L**		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Fluoride	ND	0.10								
Bromide	ND	0.10								
Phosphorus, Orthophosphate (As P	ND	0.50								

Sample ID	**LCS**	SampType:	**LCS**		TestCode:	**EPA Method 300.0: Anions**				
Client ID:	**LCSW**	Batch ID:	**A32449**		RunNo:	**32449**				
Prep Date:		Analysis Date:	**2/26/2016**		SeqNo:	**992428**	Units:	**mg/L**		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Fluoride	0.49	0.10	0.5000	0	98.0	90	110			
Bromide	2.5	0.10	2.500	0	100	90	110			
Phosphorus, Orthophosphate (As P	5.0	0.50	5.000	0	99.1	90	110			

Sample ID	**MB**	SampType:	**MBLK**		TestCode:	**EPA Method 300.0: Anions**				
Client ID:	**PBW**	Batch ID:	**R32480**		RunNo:	**32480**				
Prep Date:		Analysis Date:	**2/29/2016**		SeqNo:	**993501**	Units:	**mg/L**		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Nitrate+Nitrite as N	ND	0.20								

Qualifiers:

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

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: **1602948**

10-Mar-16

Client: Biotech Remediation, Inc.

Project: Thriftway #810

Sample ID **LCS**	SampType: **LCS**	TestCode: **EPA Method 300.0: Anions**
Client ID: **LCSW**	Batch ID: **R32480**	RunNo: **32480**
Prep Date:	Analysis Date: **2/29/2016**	SeqNo: **993502** Units: **mg/L**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Nitrate+Nitrite as N	3.7	0.20	3.500	0	106	90	110			

Sample ID **MB**	SampType: **MBLK**	TestCode: **EPA Method 300.0: Anions**
Client ID: **PBW**	Batch ID: **A32498**	RunNo: **32498**
Prep Date:	Analysis Date: **3/1/2016**	SeqNo: **994156** Units: **mg/L**

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

Sample ID **LCS**	SampType: **LCS**	TestCode: **EPA Method 300.0: Anions**
Client ID: **LCSW**	Batch ID: **A32498**	RunNo: **32498**
Prep Date:	Analysis Date: **3/1/2016**	SeqNo: **994157** Units: **mg/L**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	5.0	0.50	5.000	0	99.9	90	110			
Sulfate	10	0.50	10.00	0	101	90	110			

Sample ID **MB**	SampType: **MBLK**	TestCode: **EPA Method 300.0: Anions**
Client ID: **PBW**	Batch ID: **R32541**	RunNo: **32541**
Prep Date:	Analysis Date: **3/2/2016**	SeqNo: **995627** Units: **mg/L**

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

Sample ID **LCS**	SampType: **LCS**	TestCode: **EPA Method 300.0: Anions**
Client ID: **LCSW**	Batch ID: **R32541**	RunNo: **32541**
Prep Date:	Analysis Date: **3/2/2016**	SeqNo: **995628** Units: **mg/L**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Nitrate+Nitrite as N	3.5	0.20	3.500	0	100	90	110			

Qualifiers:

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

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: **1602948**

10-Mar-16

Client: Biotech Remediation, Inc.

Project: Thriftway #810

Sample ID **1602948-001CMS**	SampType: **MS**	TestCode: **EPA Method 8015M/D: Diesel Range**
Client ID: **TW-29**	Batch ID: **23915**	RunNo: **32363**
Prep Date: **2/24/2016**	Analysis Date: **2/24/2016**	SeqNo: **989975** Units: **mg/L**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	7.0	1.0	5.000	2.165	95.9	59.4	160			
Surr: DNOP	0.44		0.5000		88.0	70	141			

Sample ID **1602948-001CMSD**	SampType: **MSD**	TestCode: **EPA Method 8015M/D: Diesel Range**
Client ID: **TW-29**	Batch ID: **23915**	RunNo: **32363**
Prep Date: **2/24/2016**	Analysis Date: **2/24/2016**	SeqNo: **989977** Units: **mg/L**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	7.3	1.0	5.000	2.165	102	59.4	160	4.54	20	
Surr: DNOP	0.45		0.5000		90.8	70	141	0	0	

Sample ID **LCS-23915**	SampType: **LCS**	TestCode: **EPA Method 8015M/D: Diesel Range**
Client ID: **LCSW**	Batch ID: **23915**	RunNo: **32363**
Prep Date: **2/24/2016**	Analysis Date: **2/24/2016**	SeqNo: **989991** Units: **mg/L**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	4.0	1.0	5.000	0	79.6	71.3	139			
Surr: DNOP	0.41		0.5000		81.2	70	141			

Sample ID **MB-23915**	SampType: **MBLK**	TestCode: **EPA Method 8015M/D: Diesel Range**
Client ID: **PBW**	Batch ID: **23915**	RunNo: **32363**
Prep Date: **2/24/2016**	Analysis Date: **2/24/2016**	SeqNo: **989992** Units: **mg/L**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	ND	1.0								
Motor Oil Range Organics (MRO)	ND	5.0								
Surr: DNOP	0.86		1.000		85.6	70	141			

Qualifiers:

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QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: **1602948**

10-Mar-16

Client: Biotech Remediation, Inc.

Project: Thriftway #810

Sample ID **5ML RB**	SampType: **MBLK**	TestCode: **EPA Method 8015D: Gasoline Range**
Client ID: **PBW**	Batch ID: **A32376**	RunNo: **32376**
Prep Date:	Analysis Date: **2/24/2016**	SeqNo: **989936** Units: **mg/L**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	ND	0.050								
Surr: BFB	18		20.00		89.2	49.5	130			

Sample ID **2.5UG GRO LCS**	SampType: **LCS**	TestCode: **EPA Method 8015D: Gasoline Range**
Client ID: **LCSW**	Batch ID: **A32376**	RunNo: **32376**
Prep Date:	Analysis Date: **2/24/2016**	SeqNo: **989937** Units: **mg/L**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	0.47	0.050	0.5000	0	93.2	80	120			
Surr: BFB	21		20.00		106	49.5	130			

Sample ID **5ML RB**	SampType: **MBLK**	TestCode: **EPA Method 8015D: Gasoline Range**
Client ID: **PBW**	Batch ID: **R32416**	RunNo: **32416**
Prep Date:	Analysis Date: **2/25/2016**	SeqNo: **991284** Units: **mg/L**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	ND	0.050								
Surr: BFB	17		20.00		86.1	49.5	130			

Sample ID **2.5UG GRO LCS**	SampType: **LCS**	TestCode: **EPA Method 8015D: Gasoline Range**
Client ID: **LCSW**	Batch ID: **R32416**	RunNo: **32416**
Prep Date:	Analysis Date: **2/25/2016**	SeqNo: **991285** Units: **mg/L**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	0.46	0.050	0.5000	0	92.2	80	120			
Surr: BFB	20		20.00		102	49.5	130			

Qualifiers:

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

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: **1602948**

10-Mar-16

Client: Biotech Remediation, Inc.

Project: Thriftway #810

Sample ID **100ng lcs**	SampType: **LCS**	TestCode: **EPA Method 8260B: VOLATILES**
Client ID: **LCSW**	Batch ID: **R32398**	RunNo: **32398**
Prep Date:	Analysis Date: **2/25/2016**	SeqNo: **990636** Units: **µg/L**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	22	1.0	20.00	0	108	70	130			
Toluene	20	1.0	20.00	0	97.8	70	130			
Chlorobenzene	21	1.0	20.00	0	105	70	130			
1,1-Dichloroethene	19	1.0	20.00	0	95.8	70	130			
Trichloroethene (TCE)	20	1.0	20.00	0	102	70	130			
Surr: 1,2-Dichloroethane-d4	10		10.00		101	70	130			
Surr: 4-Bromofluorobenzene	10		10.00		99.5	70	130			
Surr: Dibromofluoromethane	11		10.00		112	70	130			
Surr: Toluene-d8	10		10.00		101	70	130			

Sample ID **rb**	SampType: **MBLK**	TestCode: **EPA Method 8260B: VOLATILES**
Client ID: **PBW**	Batch ID: **R32398**	RunNo: **32398**
Prep Date:	Analysis Date: **2/25/2016**	SeqNo: **990637** 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.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
R	RPD outside accepted recovery limits	RL	Reporting Detection Limit
S	% Recovery outside of range due to dilution or matrix	W	Sample container temperature is out of limit as specified

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: **1602948**

10-Mar-16

Client: Biotech Remediation, Inc.

Project: Thriftway #810

Sample ID **rb**	SampType: **MBLK**	TestCode: **EPA Method 8260B: VOLATILES**
Client ID: **PBW**	Batch ID: **R32398**	RunNo: **32398**
Prep Date:	Analysis Date: **2/25/2016**	SeqNo: **990637** 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
R	RPD outside accepted recovery limits	RL	Reporting Detection Limit
S	% Recovery outside of range due to dilution or matrix	W	Sample container temperature is out of limit as specified

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: **1602948**

10-Mar-16

Client: Biotech Remediation, Inc.

Project: Thriftway #810

Sample ID **rb**	SampType: **MBLK**	TestCode: **EPA Method 8260B: VOLATILES**
Client ID: **PBW**	Batch ID: **R32398**	RunNo: **32398**
Prep Date:	Analysis Date: **2/25/2016**	SeqNo: **990637** 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		98.6	70	130			
Surr: 4-Bromofluorobenzene	11		10.00		106	70	130			
Surr: Dibromofluoromethane	11		10.00		112	70	130			
Surr: Toluene-d8	10		10.00		103	70	130			

Sample ID **100ng lcs**	SampType: **LCS**	TestCode: **EPA Method 8260B: VOLATILES**
Client ID: **LCSW**	Batch ID: **R32448**	RunNo: **32448**
Prep Date:	Analysis Date: **2/26/2016**	SeqNo: **992305** Units: **µg/L**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	23	1.0	20.00	0	113	70	130			
Toluene	18	1.0	20.00	0	92.4	70	130			
Chlorobenzene	21	1.0	20.00	0	104	70	130			
1,1-Dichloroethene	23	1.0	20.00	0	115	70	130			
Trichloroethene (TCE)	20	1.0	20.00	0	102	70	130			
Surr: 1,2-Dichloroethane-d4	10		10.00		101	70	130			
Surr: 4-Bromofluorobenzene	11		10.00		107	70	130			
Surr: Dibromofluoromethane	11		10.00		114	70	130			
Surr: Toluene-d8	9.9		10.00		99.0	70	130			

Sample ID **rb**	SampType: **MBLK**	TestCode: **EPA Method 8260B: VOLATILES**
Client ID: **PBW**	Batch ID: **R32448**	RunNo: **32448**
Prep Date:	Analysis Date: **2/26/2016**	SeqNo: **992306** 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.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
R	RPD outside accepted recovery limits	RL	Reporting Detection Limit
S	% Recovery outside of range due to dilution or matrix	W	Sample container temperature is out of limit as specified

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: **1602948**

10-Mar-16

Client: Biotech Remediation, Inc.

Project: Thriftway #810

Sample ID **rb**	SampType: **MBLK**	TestCode: **EPA Method 8260B: VOLATILES**
Client ID: **PBW**	Batch ID: **R32448**	RunNo: **32448**
Prep Date:	Analysis Date: **2/26/2016**	SeqNo: **992306** 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.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
R	RPD outside accepted recovery limits	RL	Reporting Detection Limit
S	% Recovery outside of range due to dilution or matrix	W	Sample container temperature is out of limit as specified

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: **1602948**

10-Mar-16

Client: Biotech Remediation, Inc.

Project: Thriftway #810

Sample ID **rb**	SampType: **MBLK**	TestCode: **EPA Method 8260B: VOLATILES**
Client ID: **PBW**	Batch ID: **R32448**	RunNo: **32448**
Prep Date:	Analysis Date: **2/26/2016**	SeqNo: **992306** 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	9.4		10.00		94.2	70	130			
Surr: 4-Bromofluorobenzene	10		10.00		99.5	70	130			
Surr: Dibromofluoromethane	12		10.00		117	70	130			
Surr: Toluene-d8	11		10.00		110	70	130			

Qualifiers:

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

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: **1602948**

10-Mar-16

Client: Biotech Remediation, Inc.

Project: Thriftway #810

Sample ID **mb-23905**	SampType: **MBLK**	TestCode: **EPA Method 8270C: PAHs**
Client ID: **PBW**	Batch ID: **23905**	RunNo: **32474**
Prep Date: **2/24/2016**	Analysis Date: **2/24/2016**	SeqNo: **993173** Units: **µg/L**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Naphthalene	ND	0.50								
1-Methylnaphthalene	ND	0.50								
2-Methylnaphthalene	ND	0.50								
Acenaphthylene	ND	0.50								
Acenaphthene	ND	0.50								
Fluorene	ND	0.50								
Phenanthrene	ND	0.50								
Anthracene	ND	0.50								
Fluoranthene	ND	0.50								
Pyrene	ND	0.50								
Benz(a)anthracene	ND	0.50								
Chrysene	ND	0.50								
Benzo(b)fluoranthene	ND	0.50								
Benzo(k)fluoranthene	ND	0.50								
Benzo(a)pyrene	ND	0.50								
Dibenz(a,h)anthracene	ND	0.50								
Benzo(g,h,i)perylene	ND	0.50								
Indeno(1,2,3-cd)pyrene	ND	0.50								
Surr: N-hexadecane	41		87.60		47.2	20.2	162			
Surr: Benzo(e)pyrene	10		20.00		51.5	21.1	159			

Sample ID **lcs-23905**	SampType: **LCS**	TestCode: **EPA Method 8270C: PAHs**
Client ID: **LCSW**	Batch ID: **23905**	RunNo: **32474**
Prep Date: **2/24/2016**	Analysis Date: **2/24/2016**	SeqNo: **993174** Units: **µg/L**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Naphthalene	20	0.50	20.00	0	102	37.4	120			
1-Methylnaphthalene	20	0.50	20.00	0	101	39.3	121			
2-Methylnaphthalene	21	0.50	20.00	0	104	37.8	122			
Acenaphthylene	19	0.50	20.00	0	96.3	37	124			
Acenaphthene	21	0.50	20.00	0	103	35.6	123			
Fluorene	20	0.50	20.00	0	102	35.2	122			
Phenanthrene	19	0.50	20.00	0	94.4	38.8	122			
Anthracene	19	0.50	20.00	0	92.6	37.5	125			
Fluoranthene	18	0.50	20.00	0	91.2	37.4	131			
Pyrene	19	0.50	20.00	0	96.8	27.5	140			
Benz(a)anthracene	19	0.50	20.00	0	93.5	25.4	141			
Chrysene	20	0.50	20.00	0	99.2	33.6	155			
Benzo(b)fluoranthene	20	0.50	20.00	0	102	39	153			

Qualifiers:

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

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: **1602948**

10-Mar-16

Client: Biotech Remediation, Inc.

Project: Thriftway #810

Sample ID **lcs-23905**	SampType: **LCS**	TestCode: **EPA Method 8270C: PAHs**
Client ID: **LCSW**	Batch ID: **23905**	RunNo: **32474**
Prep Date: **2/24/2016**	Analysis Date: **2/24/2016**	SeqNo: **993174** Units: **µg/L**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzo(k)fluoranthene	21	0.50	20.00	0	106	38	154			
Benzo(a)pyrene	21	0.50	20.00	0	104	38.6	153			
Dibenz(a,h)anthracene	21	0.50	20.00	0	105	39.7	155			
Benzo(g,h,i)perylene	21	0.50	20.00	0	106	39.6	154			
Indeno(1,2,3-cd)pyrene	21	0.50	20.00	0	104	19.1	153			
Surr: N-hexadecane	43		87.60		48.9	20.2	162			
Surr: Benzo(e)pyrene	9.8		20.00		48.8	21.1	159			

Sample ID **lcsd-23905**	SampType: **LCSD**	TestCode: **EPA Method 8270C: PAHs**
Client ID: **LCSS02**	Batch ID: **23905**	RunNo: **32474**
Prep Date: **2/24/2016**	Analysis Date: **2/24/2016**	SeqNo: **993175** Units: **µg/L**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Naphthalene	19	0.50	20.00	0	94.3	37.4	120	7.45	20	
1-Methylnaphthalene	19	0.50	20.00	0	97.1	39.3	121	3.44	26.8	
2-Methylnaphthalene	20	0.50	20.00	0	102	37.8	122	2.34	23.8	
Acenaphthylene	20	0.50	20.00	0	102	37	124	5.45	28.6	
Acenaphthene	20	0.50	20.00	0	101	35.6	123	2.36	27	
Fluorene	20	0.50	20.00	0	102	35.2	122	0.393	25.7	
Phenanthrene	20	0.50	20.00	0	97.5	38.8	122	3.23	20	
Anthracene	20	0.50	20.00	0	98.5	37.5	125	6.17	21.2	
Fluoranthene	19	0.50	20.00	0	97.0	37.4	131	6.16	21.8	
Pyrene	22	0.50	20.00	0	108	27.5	140	10.7	31.1	
Benz(a)anthracene	20	0.50	20.00	0	101	25.4	141	7.61	26.6	
Chrysene	22	0.50	20.00	0	108	33.6	155	8.22	21.2	
Benzo(b)fluoranthene	21	0.50	20.00	0	106	39	153	3.93	20	
Benzo(k)fluoranthene	23	0.50	20.00	0	114	38	154	7.25	21	
Benzo(a)pyrene	20	0.50	20.00	0	101	38.6	153	3.01	24.8	
Dibenz(a,h)anthracene	21	0.50	20.00	0	104	39.7	155	1.15	26	
Benzo(g,h,i)perylene	20	0.50	20.00	0	102	39.6	154	3.36	20	
Indeno(1,2,3-cd)pyrene	21	0.50	20.00	0	104	19.1	153	0.192	20	
Surr: N-hexadecane	42		87.60		48.3	20.2	162	0	0	
Surr: Benzo(e)pyrene	9.5		20.00		47.6	21.1	159	0	0	

Qualifiers:

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

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: **1602948**

10-Mar-16

Client: Biotech Remediation, Inc.

Project: Thriftway #810

Sample ID	**MB-23897**	SampType:	**mblk**	TestCode:	**EPA Method 7470: Mercury**					
Client ID:	**PBW**	Batch ID:	**23897**	RunNo:	**32351**					
Prep Date:	**2/23/2016**	Analysis Date:	**2/24/2016**	SeqNo:	**988871**	Units:	**mg/L**			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Mercury	ND	0.00020								

Sample ID	**LCS-23897**	SampType:	**lcs**	TestCode:	**EPA Method 7470: Mercury**					
Client ID:	**LCSW**	Batch ID:	**23897**	RunNo:	**32351**					
Prep Date:	**2/23/2016**	Analysis Date:	**2/24/2016**	SeqNo:	**988872**	Units:	**mg/L**			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Mercury	0.0048	0.00020	0.005000	0	96.6	80	120			

Sample ID	**MB-23954**	SampType:	**MBLK**	TestCode:	**EPA Method 7470: Mercury**					
Client ID:	**PBW**	Batch ID:	**23954**	RunNo:	**32446**					
Prep Date:	**2/25/2016**	Analysis Date:	**2/26/2016**	SeqNo:	**992359**	Units:	**mg/L**			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Mercury	ND	0.00020								

Sample ID	**LCS-23954**	SampType:	**LCS**	TestCode:	**EPA Method 7470: Mercury**					
Client ID:	**LCSW**	Batch ID:	**23954**	RunNo:	**32446**					
Prep Date:	**2/25/2016**	Analysis Date:	**2/26/2016**	SeqNo:	**992360**	Units:	**mg/L**			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Mercury	0.0050	0.00020	0.005000	0	99.5	80	120			

Sample ID	**1602948-002GMS**	SampType:	**MS**	TestCode:	**EPA Method 7470: Mercury**					
Client ID:	**TW-30**	Batch ID:	**23954**	RunNo:	**32446**					
Prep Date:	**2/25/2016**	Analysis Date:	**2/26/2016**	SeqNo:	**992362**	Units:	**mg/L**			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Mercury	0.0058	0.00020	0.005000	0.0003205	109	75	125			

Sample ID	**1602948-002GMSD**	SampType:	**MSD**	TestCode:	**EPA Method 7470: Mercury**					
Client ID:	**TW-30**	Batch ID:	**23954**	RunNo:	**32446**					
Prep Date:	**2/25/2016**	Analysis Date:	**2/26/2016**	SeqNo:	**992363**	Units:	**mg/L**			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Mercury	0.0057	0.00020	0.005000	0.0003205	108	75	125	1.01	20	

Qualifiers:

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

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: **1602948**

10-Mar-16

Client: Biotech Remediation, Inc.

Project: Thriftway #810

Sample ID **MB-A**	SampType: **MBLK**	TestCode: **EPA Method 6010B: Dissolved Metals**
Client ID: **PBW**	Batch ID: **A32664**	RunNo: **32664**
Prep Date:	Analysis Date: **3/9/2016**	SeqNo: **999446** Units: **mg/L**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Calcium	ND	1.0								
Lead	ND	0.0050								
Magnesium	ND	1.0								
Potassium	ND	1.0								
Sodium	ND	1.0								

Sample ID **LCS-A**	SampType: **LCS**	TestCode: **EPA Method 6010B: Dissolved Metals**
Client ID: **LCSW**	Batch ID: **A32664**	RunNo: **32664**
Prep Date:	Analysis Date: **3/9/2016**	SeqNo: **999447** Units: **mg/L**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Calcium	51	1.0	50.00	0	101	80	120			
Lead	0.47	0.0050	0.5000	0	94.7	80	120			
Magnesium	49	1.0	50.00	0	98.6	80	120			
Potassium	50	1.0	50.00	0	99.7	80	120			
Sodium	50	1.0	50.00	0	101	80	120			

Qualifiers:

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

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: **1602948**

10-Mar-16

Client: Biotech Remediation, Inc.

Project: Thriftway #810

Sample ID	**MB-23938**	SampType:	**MBLK**	TestCode:	**EPA 6010B: Total Recoverable Metals**					
Client ID:	**PBW**	Batch ID:	**23938**	RunNo:	**32425**					
Prep Date:	**2/25/2016**	Analysis Date:	**2/26/2016**	SeqNo:	**991531**	Units:	**mg/L**			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Arsenic	ND	0.020								
Barium	ND	0.020								
Cadmium	ND	0.0020								
Chromium	ND	0.0060								
Lead	ND	0.0050								
Selenium	ND	0.050								
Silver	ND	0.0050								

Sample ID	**LCS-23938**	SampType:	**LCS**	TestCode:	**EPA 6010B: Total Recoverable Metals**					
Client ID:	**LCSW**	Batch ID:	**23938**	RunNo:	**32425**					
Prep Date:	**2/25/2016**	Analysis Date:	**2/26/2016**	SeqNo:	**991532**	Units:	**mg/L**			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Arsenic	0.50	0.020	0.5000	0	100	80	120			
Barium	0.48	0.020	0.5000	0	95.7	80	120			
Cadmium	0.49	0.0020	0.5000	0	97.3	80	120			
Chromium	0.48	0.0060	0.5000	0	95.2	80	120			
Lead	0.48	0.0050	0.5000	0	96.6	80	120			
Selenium	0.48	0.050	0.5000	0	96.8	80	120			
Silver	0.099	0.0050	0.1000	0	98.6	80	120			

Sample ID	**1602948-001GMS**	SampType:	**MS**	TestCode:	**EPA 6010B: Total Recoverable Metals**					
Client ID:	**TW-29**	Batch ID:	**23938**	RunNo:	**32425**					
Prep Date:	**2/25/2016**	Analysis Date:	**2/26/2016**	SeqNo:	**991594**	Units:	**mg/L**			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Arsenic	0.65	0.020	0.5000	0.1651	97.8	75	125			
Barium	0.72	0.020	0.5000	0.2493	94.6	75	125			
Cadmium	0.49	0.0020	0.5000	0	97.8	75	125			
Chromium	0.47	0.0060	0.5000	0	93.2	75	125			
Lead	0.50	0.0050	0.5000	0.02269	95.4	75	125			
Selenium	0.34	0.050	0.5000	0	67.5	75	125			S
Silver	0.10	0.0050	0.1000	0	101	75	125			

Sample ID	**1602948-001GMSD**	SampType:	**MSD**	TestCode:	**EPA 6010B: Total Recoverable Metals**					
Client ID:	**TW-29**	Batch ID:	**23938**	RunNo:	**32425**					
Prep Date:	**2/25/2016**	Analysis Date:	**2/26/2016**	SeqNo:	**991595**	Units:	**mg/L**			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Arsenic	0.60	0.020	0.5000	0.1651	86.7	75	125	8.88	20	

Qualifiers:

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

QC SUMMARY REPORT
Hall Environmental Analysis Laboratory, Inc.

WO#: **1602948**
10-Mar-16

Client: Biotech Remediation, Inc.
Project: Thriftway #810

Sample ID **1602948-001GMSD** SampType: **MSD** TestCode: **EPA 6010B: Total Recoverable Metals**
Client ID: **TW-29** Batch ID: **23938** RunNo: **32425**
Prep Date: **2/25/2016** Analysis Date: **2/26/2016** SeqNo: **991595** Units: **mg/L**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Barium	0.67	0.020	0.5000	0.2493	83.6	75	125	7.97	20	
Cadmium	0.47	0.0020	0.5000	0	94.1	75	125	3.88	20	
Chromium	0.45	0.0060	0.5000	0	89.9	75	125	3.63	20	
Lead	0.48	0.0050	0.5000	0.02269	91.0	75	125	4.56	20	
Selenium	0.33	0.050	0.5000	0	66.3	75	125	1.75	20	S
Silver	0.098	0.0050	0.1000	0	97.8	75	125	3.40	20	

Qualifiers:

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

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: **1602948**

10-Mar-16

Client: Biotech Remediation, Inc.

Project: Thriftway #810

Sample ID	**mb-1**	SampType:	**mblk**		TestCode:	**SM2320B: Alkalinity**					
Client ID:	**PBW**	Batch ID:	**R32387**		RunNo:	**32387**					
Prep Date:		Analysis Date:	**2/24/2016**		SeqNo:	**990340**	Units:	**mg/L CaCO3**			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual	
Total Alkalinity (as CaCO3)	ND	20.00									

Sample ID	**lcs-1**	SampType:	**lcs**		TestCode:	**SM2320B: Alkalinity**					
Client ID:	**LCSW**	Batch ID:	**R32387**		RunNo:	**32387**					
Prep Date:		Analysis Date:	**2/24/2016**		SeqNo:	**990341**	Units:	**mg/L CaCO3**			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual	
Total Alkalinity (as CaCO3)	77.76	20.00	80.00	0	97.2	90	110				

Sample ID	**mb-2**	SampType:	**mblk**		TestCode:	**SM2320B: Alkalinity**					
Client ID:	**PBW**	Batch ID:	**R32387**		RunNo:	**32387**					
Prep Date:		Analysis Date:	**2/24/2016**		SeqNo:	**990364**	Units:	**mg/L CaCO3**			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual	
Total Alkalinity (as CaCO3)	ND	20.00									

Sample ID	**lcs-2**	SampType:	**lcs**		TestCode:	**SM2320B: Alkalinity**					
Client ID:	**LCSW**	Batch ID:	**R32387**		RunNo:	**32387**					
Prep Date:		Analysis Date:	**2/24/2016**		SeqNo:	**990365**	Units:	**mg/L CaCO3**			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual	
Total Alkalinity (as CaCO3)	78.20	20.00	80.00	0	97.7	90	110				

Sample ID	**mb-1**	SampType:	**mblk**		TestCode:	**SM2320B: Alkalinity**					
Client ID:	**PBW**	Batch ID:	**R32439**		RunNo:	**32439**					
Prep Date:		Analysis Date:	**2/25/2016**		SeqNo:	**991987**	Units:	**mg/L CaCO3**			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual	
Total Alkalinity (as CaCO3)	ND	20.00									

Sample ID	**lcs-1**	SampType:	**lcs**		TestCode:	**SM2320B: Alkalinity**					
Client ID:	**LCSW**	Batch ID:	**R32439**		RunNo:	**32439**					
Prep Date:		Analysis Date:	**2/25/2016**		SeqNo:	**991988**	Units:	**mg/L CaCO3**			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual	
Total Alkalinity (as CaCO3)	78.24	20.00	80.00	0	97.8	90	110				

Qualifiers:

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

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: **1602948**

10-Mar-16

Client: Biotech Remediation, Inc.

Project: Thriftway #810

Sample ID	**1602948-001ems**	SampType:	**ms**		TestCode:	**SM2320B: Alkalinity**					
Client ID:	**TW-29**	Batch ID:	**R32439**		RunNo:	**32439**					
Prep Date:		Analysis Date:	**2/25/2016**		SeqNo:	**992000**	Units:	**mg/L CaCO3**			
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Total Alkalinity (as CaCO3)		1138	50.00	80.00	1104	42.5	75	105			S

Sample ID	**1602948-001emsd**	SampType:	**msd**		TestCode:	**SM2320B: Alkalinity**					
Client ID:	**TW-29**	Batch ID:	**R32439**		RunNo:	**32439**					
Prep Date:		Analysis Date:	**2/25/2016**		SeqNo:	**992001**	Units:	**mg/L CaCO3**			
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Total Alkalinity (as CaCO3)		1087	50.00	80.00	1104	-21.0	75	105	4.57	20	S

Qualifiers:

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

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: **1602948**

10-Mar-16

Client: Biotech Remediation, Inc.

Project: Thriftway #810

Sample ID	**MB-23918**	SampType:	**MBLK**	TestCode:	**SM2540C MOD: Total Dissolved Solids**					
Client ID:	**PBW**	Batch ID:	**23918**	RunNo:	**32413**					
Prep Date:	**2/24/2016**	Analysis Date:	**2/25/2016**	SeqNo:	**991164**	Units:	**mg/L**			

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Total Dissolved Solids	ND	20.0								

Sample ID	**LCS-23918**	SampType:	**LCS**	TestCode:	**SM2540C MOD: Total Dissolved Solids**					
Client ID:	**LCSW**	Batch ID:	**23918**	RunNo:	**32413**					
Prep Date:	**2/24/2016**	Analysis Date:	**2/25/2016**	SeqNo:	**991165**	Units:	**mg/L**			

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Total Dissolved Solids	1020	20.0	1000	0	102	80	120			

Qualifiers:

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

HALL ENVIRONMENTAL ANALYSIS LABORATORY

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

Sample Log-In Check List

Client Name: Biotech Remediation Inc Work Order Number: 1602948 RcptNo: 1

Received by/date: JA 02/23/16

Logged By: Anne Thorne 2/23/2016 8:00:00 AM Anne Thorne

Completed By: Anne Thorne 2/23/2016 Anne Thorne

Reviewed By: MG 02/23/16

Chain of Custody

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

Log In

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

FOR METALS ANALYSIS: ADDED 1mL HNO3 TO 002 & 003 FOR ALKALINITY pH: HELD FOR 24 HOURS PRIOR TO ANALYSIS

of preserved bottles checked for pH: 39 (<2 or >12 unless noted)

Adjusted? YES

Checked by: JA 02/24/16 C135

Special Handling (if applicable)

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

Person Notified: ____ Date: ____

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

Regarding: ____

Client Instructions: ____

17. Additional remarks:

18. Cooler Information

Cooler No	Temp °C	Condition	Seal Intact	Seal No	Seal Date	Signed By
4	1.0	Good	Yes			

Chain-of-Custody Record

Client: BioTech Remediation, Inc.
501 Airport Drive, Suite 104
Mailing Address: Farmington, NM 87401

Phone #: (505) 215-5984
Email or Fax#:
QA/QC Package: ☒ Standard ☐ Level 4 (Full Validation)
Accreditation: ☐ NELAP ☐ Other
☐ EDD (Type)

Turn-Around Time: ☒ Standard ☐ Rush
Project Name: Thriftway #810
Project #:
Project Manager: Ross Kennemer
Sampler: Ross Kennemer
On Ice: ☒ Yes ☐ No
Sample Temperature: 1.0

HALL ENVIRONMENTAL ANALYSIS LABORATORY
www.hallenvironmental.com
4901 Hawkins NE - Albuquerque, NM 87109
Tel. 505-345-3975 Fax 505-345-4107

Analysis Request

Date	Time	Matrix	Sample Request ID	Container Type and #	Preservative Type	HEAL No. 1602948	BTEX + MTBE + TMB's (8021)	BTEX + MTBE + TPH (Gas only)	TPH 8015B (GRO / DRO / MRO)	TPH (Method 418.1)	EDB (Method 504.1)	PAH's (8310 or 8270 SIMS)	RCRA 8 Metals	Anions ($F, Cl, NO_3, NO_2, PO_4, SO_4$)	8081 Pesticides / 8082 PCB's	8260B (VOA)	8270 (Semi-VOA)	Total & Dissolved Lead	Sulfate & Chloride	Cations & Anions	TDS	Air Bubbles (Y or N)
2-16	0830	H_2O	TW-29	Various	Various	001			X			X	X			X		X	X	X	X	
	0910		TW-30			002			X			X	X			X		X	X	X	X	
	1000		TW-48			003			X			X	X			X		X	X	X	X	
	1040		TW-31			004			X			X	X			X		X	X	X	X	
	1130		TW-39			005			X			X	X			X		X	X	X	X	
	1210		MW-7			006			X			X	X			X		X	X	X	X	
	1315		MW-6			007			X			X	X			X		X	X	X	X	
	1400		MW-4			008			X			X	X			X		X	X	X	X	
22-16	1020		TW-41			009			X			X	X			X		X	X	X	X	
	1105		TW-42			010			X			X	X			X		X	X	X	X	
	1150		MW-5			011			X			X	X			X		X	X	X	X	
	1240		TW-43			012			X			X	X			X		X	X	X	X	

Date:	Time:	Relinquished by:	Received by:	Date	Time
2/16	1600	Ross Kennemer		2/22/16	1600
Date:	Time:	Relinquished by:	Received by:	Date	Time
2/16	1821	Christine Walker		02/23/16	0800

Remarks:

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

Chain-of-Custody Record

Client: BioTech Remediation, Inc.
501 Airport Drive, Suite 104
Mailing Address: Farmington, NM 87401

Phone #: (505) 215-5984
email or Fax#:
QA/QC Package:
(X) Standard ☐ Level 4 (Full Validation)
Accreditation
☐ NELAP ☐ Other
☐ EDD (Type)

Turn-Around Time:
(X) Standard ☐ Rush
Project Name: Thrifty # 810
Project #:
Project Manager: Ross Kennemer
Sampler: Ross Kennemer
On Ice: (X) Yes ☐ No
Sample Temperature: 1.0

HALL ENVIRONMENTAL ANALYSIS LABORATORY
www.hallenvironmental.com
4901 Hawkins NE - Albuquerque, NM 87109
Tel. 505-345-3975 Fax 505-345-4107

Date	Time	Matrix	Sample Request ID	Container Type and #	Preservative Type	HEAL No. 1602948	BTEX + MTBE + TMB's (8021)	BTEX + MTBE + TPH (Gas only)	TPH 8015B (GRO / DRO / MRO)	TPH (Method 418.1)	EDB (Method 504.1)	PAH's (8310 or 8270 SIMS)	RCRA 8 Metals	Anions ($F, Cl, NO_3, NO_2, PO_4, SO_4$)	8081 Pesticides / 8082 PCB's	8260B (VOA)	8270 (Semi-VOA)	Total & Dissolved Lead	Sulfate & Chloride	Cations & Anions	TDS	Air Bubbles (Y or N)
2-16	1340	H_2O	TW-36	Various	Various	013			X			X	X			X		X	X	X	X	

Analysis Request

Date:	Time:	Relinquished by:	Received by:	Date	Time
2/22/16	1600	Ron Kennemer	Chet Ward	2/22/16	1600
2/22/16	1821	Chet Ward	Jen Conant	02/23/16	0800

Remarks:

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