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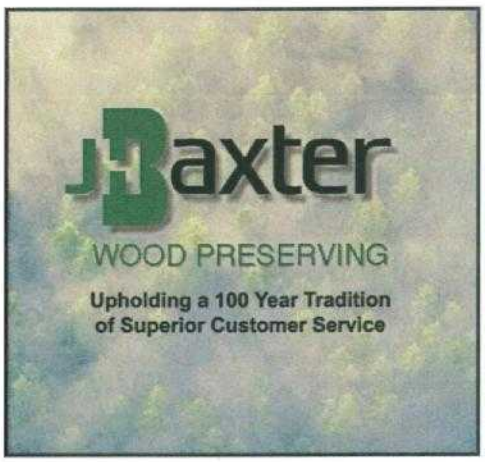
THIRD QUARTER 2013 OPERATIONS AND MONITORING REPORT - REMEDIAL ACTION PILOT STUDY

Former J.H. Baxter & Co. Wood Treating Facility

Arlington, Washington



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February 2014

Project No. 4-61M-125612

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Former J.H. Baxter & Co. Wood Treating Facility

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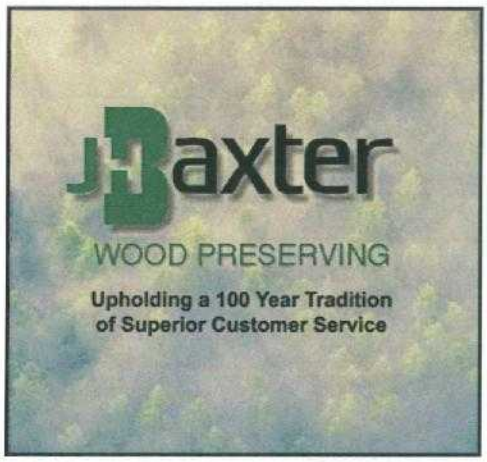

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THIRD QUARTER 2013 OPERATIONS AND MONITORING REPORT
REMEDIAL ACTION PILOT STUDY

Former J.H. Baxter & Co. Wood Treating Facility
Arlington, Washington

1.0 INTRODUCTION

The J.H. Baxter Project Team, consisting of J.H. Baxter & Co. (Baxter) and AMEC Environment & Infrastructure, Inc. (AMEC) have prepared this Third Quarter 2013 Operations and Monitoring Report - Remedial Action Pilot Test for the Stella-Jones (formerly Baxter) Arlington, Washington, wood treating facility (Arlington facility, facility, or site), located at 6520 188th Street NE [Figure 1]). This report discusses activities completed during the period from July 1, 2013 through September 30, 2013.

The Remedial Action Pilot Study is considered part of the ongoing Corrective Measures Study (CMS), which is being implemented pursuant to Paragraph 53 of the United States Environmental Protection Agency (EPA) Administrative Order on Consent (AOC) dated April 30, 2001 (EPA, 2001). All CMS-related activities were conducted consistent with guidance provided by EPA in the Resource Conservation and Recovery Act (RCRA) Corrective Action Plan (Final), dated May 1994 (EPA, 1994), the Corrective Action Advance Notice of Proposed Rulemaking (EPA, 1996), and the AOC.

This Operations and Monitoring Report (O&M Report) is being prepared in accordance with the Remedial Action Pilot Study Work Plan (Work Plan) and the Remedial Action Pilot Study Performance Monitoring Plan (PMP), which were submitted to EPA in September 2007.

1.1 DOCUMENT OVERVIEW

This O&M Report includes the following main components:

- **Main Text:** This section provides an overview of the operations and maintenance of the system, groundwater elevation data, and groundwater sampling data collected during the Third Quarter of 2013.
- **Tables:** Tables are included for groundwater elevations (Table 1), depth to groundwater (Table 2), vertical groundwater gradients (Table 3), groundwater analytical data (Tables 4A, 4B, 4C, 4D, and 5), and non-aqueous phase liquid (NAPL) recovery (Table 6).
- **Figures:** Figures are included showing the Site location and monitoring network (Figures 1 and 2), groundwater elevation information (Figures 3 through 5), vertical groundwater gradient trends (Figure 6), polychlorinated pentachlorophenol (PCP) concentrations in

groundwater (Figures 7 through 34), and polynuclear aromatic hydrocarbons ([PAHs] Figure 35).

- **Appendix A:** ***Time Series Plots*** - PCP and total PAHs in Groundwater - This section provides time series plots showing PCP and PAHs in groundwater for each well.
- **Appendix B:** ***Laboratory Reports*** - Groundwater sampling results are provided in this appendix.
- **Appendix C:** ***Quality Assurance Review*** - This document provides an assessment of the laboratory data collected and presented in this report.
- **Appendix D:** ***Other Figures*** - This appendix includes Groundwater Elevation Cross-sections and Hydrograph figures.

2.0 OPERATIONS, MAINTENANCE, AND MONITORING

Implementation of the Remedial Action Pilot Test at the former Baxter Arlington facility included installation of a groundwater extraction and re-infiltration field northwest of the source area to treat affected groundwater and installation of a network of monitoring wells and piezometers to monitor the remediation progress. Installation was completed on January 30, 2008, and the system was commissioned on January 31, 2008.

The objective of the Remedial Action Pilot Test is to create conditions favorable for biodegradation of PCP in groundwater by increasing groundwater pH. The system consists of seven extraction wells in a chevron pattern downgradient of an infiltration gallery, also in a chevron pattern (Figure 2). The infiltration gallery is backfilled with crushed limestone. Groundwater extracted through the extraction wells is pumped into the infiltration gallery. The groundwater then comes into contact with the limestone during infiltration, thereby increasing pH. Sorbent socks installed in five monitoring wells absorb light non-aqueous phase liquid (LNAPL).

The requirements for monitoring and maintenance are specified in the Work Plan. Quarterly groundwater level measurements, site visits, and ongoing maintenance are performed as part of the operations and monitoring program for the Remedial Action Pilot Study. Figure 2 shows the locations of the infiltration trench, extraction wells, piping, and monitoring wells.

In July 2010, system monitoring transitioned from monthly to quarterly and operation of extraction well EW-7 was discontinued following approval from the EPA (EPA, 2010). Routine monitoring tasks consist of recording quarterly groundwater level readings from the monitoring well network; inspecting the LNAPL recovery sorbent socks and replacing the saturated socks; collecting a composite groundwater sample from the system extraction wells; and analyzing the composite groundwater sample for PCP and several degradation products.

During the fourth quarter of 2010, five new monitoring wells were added to the network (MW-38 through MW-42). In October 2010, another new monitoring network well (MW-43) was installed. Depth to water was measured at all monitoring network wells during quarterly O&M activities (Figure 2). These newly installed monitoring wells provide additional groundwater elevation data in areas northwest of the Main Treatment Area. As part of quarterly O&M reporting, elevation data from these new wells have been included in the development of facility groundwater contour maps and is used to evaluate vertical groundwater gradients in areas hydraulically downgradient of facility extraction wells.

2.1 OPERATIONS AND MAINTENANCE

EW-2 and EW-4 were running at the start of the third quarter 2013. After attempting to restart well EW-1 on September 5, 2013, EW-1, EW-2, and EW-4 shut down that afternoon due to a high water level alarm and were restarted on September 6, 2013. EW-1 again shut down on September 6, 2013 and was left off for the rest of the quarter. EW-2 and EW-4 again shutdown on September 9, 2013 due to high water levels and were restarted on September 20, 2013. EW-2 and EW-4 continue to run and have been on since their restart on September 20, 2013.

2.2 GROUNDWATER LEVEL MEASUREMENTS

The Third Quarter 2013 groundwater monitoring event was conducted from August 25 through August 27, 2013. Depth-to-groundwater measurements indicated a decrease in groundwater elevations for all monitoring wells located at the facility. Table 1 presents a summary of groundwater elevations from August 2012 through August 2013; Table 2 provides the groundwater elevations for the same time period along with the depth-to-groundwater measurements, the total changes in groundwater elevations since installation of the pilot system (excluding MW-38 through MW-43), as well as incremental changes since the previous measurement.

Figure 4 presents the August 2013 groundwater elevation contour map. Figure 5 presents a contour map of groundwater elevation differentials between the baseline elevations (January 28, 2008, prior to the system startup) and elevations measured in August 2013. The differential groundwater elevation contour map was generated by subtracting groundwater elevation measured during the monitoring event from the baseline groundwater elevation at each well location. An interpolation scheme (kriging) was used to generate the contours based on the differential value at each well.

Appendix D provides additional detailed information related to the system's operation. Appendix D, Figures 1 and 2 show cross-sections of measured and baseline groundwater elevations along two

transects for the monitoring event. The cross sections also provide evidence of the direction of vertical hydraulic gradients within well pairs and well triplets.

Wells were assigned one of three different well classifications developed to evaluate vertical gradients at each well cluster:

- Shallow wells - wells with bottom-of-screen elevations higher than 90 feet (ft) above mean sea level ([msl]; North American Vertical Datum of 1988 [NAVD 88]);
- Intermediate wells - wells with bottom-of-screen elevations between 70 and 90 ft msl; and
- Deep wells - wells with bottom-of-screen elevations below 70 ft msl.

A well classification approach using depth below ground surface (bgs) was not used.

need expl.

Figure 6 indicates a downward vertical gradient at the MW-25/MW-32 well pair. A silt layer was encountered at a depth of approximately 20 feet bgs while drilling these monitoring wells, which have consistently shown a downward vertical gradient in the past. MW-25 water levels were also found to be more than 8 feet lower than second quarter sampling levels, which is inconsistent with measured values. Minimal vertical head gradients are observed immediately downgradient of the infiltration gallery (MW-3/MW-33) and at the MW-29/MW-34/MW 38 well triplet, which indicates that the gradient observed at MW-25/MW-32 dissipates rapidly in the direction of groundwater flow. Downward vertical gradients were observed at well pairs located downgradient of the EW-1/EW-4 extraction well line (MW-15/MW-40 and MW 37/MW 41). The inconsistency of the water level reading at MW-25 with the previous trend suggests a possible human error. If the actual water level was 5 feet lower than reported then the elevation and vertical gradient would have followed the previous pattern. However, a similarly unusual change at MW-25 was also noted during the first quarter of 2013. It is also possible that surface activities may have had an impact on the water level, given that the monitoring well is located immediately in front of the canopy. Vertical groundwater gradients for facility well pairs are summarized in Table 3.

Figure 6 provides a trend plot of vertical gradients for six well pairs, where a positive gradient indicates downward groundwater flow and a negative gradient indicates upward flow. With the exception of well pair MW-25/MW-32, the magnitude and direction of vertical gradients at facility well pairs and triplets remained consistent with those observed during the previous quarter (Figure 6; Table 3).

Appendix D, figures 3 through 22 present hydrographs for each well in the groundwater monitoring network, as well as a bar graph of daily precipitation for the corresponding time period. Daily precipitation data are acquired on a quarterly basis from the National Climatic Data Center (NCDC).

Precipitation data from previous quarters are presented along with the well hydrographs. The NCDC precipitation data set provides cumulative estimates of rainfall and snowmelt; snowfall is not included in the precipitation data. Average daily precipitation for the interval between groundwater monitoring events is shown as a line graph overlying the bar graph. If rainfall totals are missing from the NCDC data set, the omitted data points are treated as zero values on the hydrographs and in the calculation of the average.

The hydrographs indicate a correlation between groundwater elevation and precipitation. For all groundwater monitoring wells, the groundwater elevation decreased between the April and August monitoring events. As during previous quarters, the observed fluctuations in groundwater elevations are likely due to variation in precipitation and groundwater recharge during the reporting period. The graph for MW-25 also suggests an error or an unusual event occurred at this well.

2.3 GROUNDWATER MONITORING AND WATER QUALITY

In addition to collecting the quarterly groundwater elevation data, a groundwater sampling event was conducted during the third quarter of 2013. The monitoring event was conducted between June 2 and 4, 2013. The sampling event included existing "Site Investigation" wells and the "PMP" wells installed in late 2007, the five wells installed in July 2010 (MW-38 through MW-42), and the well installed in October 2010 (MW-43).

The following wells were sampled as part of the monitoring event:

- **June 2-4, 2013 Event** - 31 wells: BXS-1, BXS-2, MW-2, MW-3, HCMW-7, MW-15 through MW-18, and MW-22 through MW-43 (Figure 2).

Groundwater samples were collected in accordance with the 2005 Site Investigation Work Plan, using low-flow methods and either a dedicated submersible bladder pump (Site Investigation wells) or a portable submersible pump that was decontaminated between each well (PMP wells). Sampling, equipment decontamination, and sample custody procedures were in accordance with previous sampling events conducted at the site. Field groundwater sampling activities were performed by Baxter personnel. Laboratory analyses were completed by ALS Environmental (ALS) of Kelso, Washington. Laboratory analyses performed by ALS included PCP by EPA Method 8151 for all sampled wells, PAHs by EPA Method 8270C on select groundwater samples, and the extraction well composite sample was analyzed for PCP and degradation products using EPA Method 8151.

According to ALS's sample receipt documentation (see Appendix C), the lab was unable to perform PAH analysis on samples MW-35, MW-36, MW-37, and MW-3, and the Field Blank Rinsate, due to

a cooling system failure during extraction, which caused the sample extracts to be lost to evaporation. PCP results for the August 2013 sampling event, as well as sampling conducted since February 2011 are shown on Figure 7 and summarized in Table 4A. PCP isopleth maps for quarterly monitoring events since January 2008 through August 2013 are provided in Figures 8 through 34. The isopleth maps were generated in Surfer™ using an interpolation scheme (kriging) to generate contours based on each well's PCP concentration. Figures 31 through 34 represent PCP isopleths for deeper zones downgradient of the Main Treatment Area for 2011, 2012, First, Second, and Third quarter 2013. Total PAH results are shown on Figure 35 and summarized in Table 4A. Time series plots showing PCP and total PAHs for each well are provided in Appendix A.

In addition to collection of groundwater samples from the monitoring well network, a composite groundwater sample was prepared from discrete samples collected from extraction wells EW-2 and EW-4 during the monitoring event. Extraction wells EW-5 and EW-6 were shut down during the first quarter of 2011 due to a high water level in the infiltration gallery, and groundwater from these wells is therefore not included within the composite sample. EW-3 had a recurring problem with immediate shutdowns during the second quarter and was off during sample collection. EW-1 was also off due to recurring high water alarms. The composite sample was prepared by combining an equal volume of groundwater from each extraction well using a measuring cup. The composite samples from the extraction wells were analyzed for PCP and, since March 2009, select PCP degradation products. The analytical results for composite samples collected from May 2012 through August 2013 are shown in Table 4C. During this reporting period, the PCP concentration was measured at 530 micrograms per liter ([µg/L]) from 590 µg/L observed in the previous quarter's composite sample. Total tetrachlorophenols was detected and estimated at a concentration of 18 µg/L.

2.4 LNAPL RECOVERY

The sorbent socks in the five recovery wells were inspected on August 26, 2013, and the sock in MW-12 was replaced. A total mass of 0.73 pounds of LNAPL was removed from recovery well MW-12. Lower water levels likely contribute to the relatively low quantity of LNAPL absorbed by the high-hanging sorbent sock in MW-12 this quarter. The amount of LNAPL removed was determined by subtracting the mass of an unused sock from the mass of the spent sock using a laboratory scale. The socks in recovery wells MW-13, MW-19, MW-20, and MW-21 did not require replacement. Since implementation of the pilot study, the socks in these recovery wells have become saturated with LNAPL less frequently than the sock in MW-12.

The manufacturer's information indicates that each sock is capable of absorbing 2 pounds of product. Baxter coordinated with Stella-Jones (the current operator of the wood-treating facility) to

have the spent socks shipped off-site along with waste produced by Stella-Jones as part of facility operations.

2.5 QUALITY ASSURANCE AND QUALITY CONTROL

Level III data validation was conducted on 32 groundwater samples, 2 field duplicates, 1 trip blank, and 1 rinsate blank collected during the Third Quarter 2013. The analyses were performed by ALS and validation was performed by AMEC. All results are of acceptable quality and useable for their intended purpose, as documented in the quality assurance memorandum included as Appendix C.

2.6 ACTIVITIES PLANNED FOR 2013 - 2014

Groundwater monitoring activities will continue in 2013, into 2014, in accordance with the PMP. These activities included quarterly groundwater elevation monitoring and quarterly water quality monitoring.

We appreciate the opportunity to serve you on this project. If you have any questions or desire further information, please feel free to contact us at (503) 639-3400.

Sincerely,

AMEC Environment and Infrastructure, Inc. **Reviewed by:**

Leslie Slasor
Environmental Chemist

J. Stephen Barnett, LHG
Senior Geologist

LS/jm

REFERENCES

EPA, 1994. Resource Conversation and Recovery Act (RCRA) Corrective Action Plan (Final). OSWER Directive 9902.3-2A. May.

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EPA, 2010. E-mail message from Jan Palumbo, U.S. Environmental Protection Agency, to RueAnn Thomas, J. Stephen Barnett, and Gary Dupuy re: "Summary of 6/24/10 Meeting Agreements," July 19, 2010.

LIMITATIONS

This report was prepared exclusively for J.H. Baxter & Co. and the Environmental Protection Agency (EPA) by AMEC Environment & Infrastructure, Inc. (AMEC). The quality of information, conclusions, and estimates contained herein is consistent with the level of effort involved in AMEC services and based on: i) information available at the time of preparation, ii) data supplied by outside sources, and iii) the assumptions, conditions, and qualifications set forth in this report. This Third Quarter 2013 Operations and Monitoring Report - Remedial Action Pilot Study is intended to be used by J.H. Baxter & Co. and the EPA for the Former Wood Treating Facility in Arlington, Washington only. Any other use of, or reliance on, this report by any third party is at that party's sole risk.

TABLES

TABLE 1

GROUNDWATER ELEVATIONS SUMMARY

Former J.H. Baxter & Co. Wood Treating Facility
Arlington, Washington

Well Identification	Northing	Easting	Ground Surface Elevation (feet)	Groundwater Elevations (feet)[1]					
				Baseline 1/28/08[2]	8/19/12	11/11/12	2/13/13	6/2/13	8/25/13
BXS-1	427577.0	1320372.8	142.32	--	111.76	108.65	115.9	113.43	109.9
BXS-2	427429.1	1320176.6	141.09	106.63	114.02	110.89	117.76	115.64	112.14
BXS-3	427202.9	1320143.8	141.73	109.82	117.43	114.07	122.31	119.07	115.42
BXS-4	426556.4	1320865.9	143.05	132.10	130.07	131.32	134.54	131.65	128.3
HC-MW-5	427010.1	1320692.3	143.94	120.42	120.59	118.95	126.79	122.2	-[7]
HC-MW-6	427887.2	1320815.7	146.69	106.84	112.42	111.96	118.13	-[6]	-[7]
HC-MW-7	428230.4	1320337.6	145.01	102.67	108.81	105.73	112.98	110.43	106.93
MW-1	427352.2	1320826.9	146.21	124.33	122.53	122.64	126.88	123.59	121.67
MW-2	428166.9	1320647.4	144.69	103.68	109.75	106.51	114.65	111.52	107.71
MW-3	427560.7	1320596.2	143.92	106.87	112.28	109.18	116.97	114.18	110.48
MW-4	425935.6	1321013.3	143.02	135.54	132.25	135.15	137.06	133.57	131.76
MW-10	427175.1	1320566.0	143.30	114.90	119.15	115.79	125.18	120.77	116.56
MW-11	427398.1	1321001.0	146.46	125.74	123.44	124.36	127.76	124.44	123.06
MW-14	425602.6	1320388.9	139.88	119.98	121.75	119.20	128.09	123.38	119.69
MW-15	427860.0	1320310.6	142.78	104.72	110.79	107.62	114.69	112.41	108.89
MW-16	428006.8	1320325.6	143.37	103.91	110.16	106.91	114.10	111.76	108.17
MW-17	427863.6	1320173.9	142.17	104.47	110.60	107.45	114.24	112.29	108.75
MW-18	428312.7	1320075.7	142.79	102.05	108.44	105.30	111.82	109.95	106.48
MW-22	427395.3	1320573.5	143.13	108.72	114.73	111.96	118.63	116.49	113.06
MW-23	427500.0	1320578.2	143.47	107.50	113.37	110.53	117.78	115.03	111.54
MW-24	427563.9	1320645.1	144.47	107.02	112.42	109.33	117.03	114.19	110.58
MW-25	427492.9	1320682.0	145.45	109.06	116.27	113.63	117.38	117.62	109.47
MW-26	427601.0	1320773.0	145.13	107.48	112.75	109.55	117.76	114.42	110.78
MW-27	427677.9	1320702.8	144.62	107.01	112.42	109.31	117.31	114.16	110.48
MW-28	427502.3	1320488.8	143.02	107.01	112.86	109.92	117.32	114.62	111.04
MW-29	427637.7	1320503.0	142.85	106.33	111.81	108.79	116.31	113.62	109.97
MW-30	427836.7	1320483.2	142.64	105.47	111.39	108.16	115.55	113.01	109.45
MW-31	427715.8	1320294.0	141.15	105.23	111.16	108.03	115.18	112.85	109.3
MW-32	427493.5	1320670.2	145.27	107.36	112.69	109.58	120.1	114.31	110.76
MW-33	427577.4	1320602.0	143.76	106.87	112.34	109.21	116.95	114.01	110.45
MW-34	427647.7	1320498.6	143.02	106.29	111.75	108.70	116.30	113.60	109.95
MW-35	427726.8	1320608.7	144.34	106.36	111.90	108.89	116.60	113.74	110.03
MW-36	427676.1	1320399.4	141.57	105.60	111.40	108.22	115.65	113.15	109.58
MW-37	427969.4	1320251.9	142.37	104.16	110.35	107.16	114.04	111.95	108.21
MW-38[3]	427653.6	1320491.4	143.36	NA	111.77	108.69	116.13	113.46	109.92

TABLE 1

GROUNDWATER ELEVATIONS SUMMARY

Former J.H. Baxter & Co. Wood Treating Facility
Arlington, Washington

Well Identification	Northing	Easting	Ground Surface Elevation (feet)	Groundwater Elevations (feet)[1]					
				Baseline 1/28/08[2]	8/19/12	11/11/12	2/13/13	6/2/13	8/25/13
MW-39[3]	427993.1	1320148.9	142.73	NA	109.72	106.6	113.31	111.3	107.85
MW-40[3]	427859.5	1320316.6	142.56	NA	110.22	107	114.13	111.86	108.63
MW-41[3]	427968.1	1320255.0	142.33	NA	109.93	106.81	113.62	111.55	108.09
MW-42[3]	428319.7	1320080.9	142.89	NA	108.23	105.13	111.72	109.84	106.35
MW-43[4]	428757.5	1319841.1	141.91	NA	105.5[5]	102.52	108.11	106.86	103.77

Notes

1. Groundwater elevations in feet specified relative to North American Vertical Datum of 1988 (NAVD88).
2. Elevations indicated for MW-23 and MW-37 on 1/28/2008 are raised by 1 foot from values recorded in the field due to suspected error in field recording.
3. Monitoring wells MW-38 through MW-42 were installed in July 2010.
4. Monitoring well MW-43 was installed in October 2010.
5. Groundwater elevation measure on 8/19/12 due to well location in closed maintenance yard.
6. HCMW-6 depth to water was not measured during the 2nd Quarter 2013.
7. HCMW-5 and HCMW-6 were not measured during the 3rd Quarter 2013.

Abbreviations

-- = Groundwater below level of dedicated pump.
NA = not applicable

TABLE 2

WATER LEVEL READINGS[1]

Former J.H. Baxter & Co. Wood Treating Facility
Arlington, Washington

	BXS-1[2,3] - TOC Elevation: 142.65					BXS-2[3] - TOC Elevation: 142.89					BXS-3 - TOC Elevation: 142.07				
Date	Time	Depth below TOC (ft)	Total Change in Level (ft)	Incremental Change in Level (ft)	Water Level Elevation	Time	Depth below TOC (ft)	Total Change in Level (ft)	Incremental Change in Level (ft)	Water Level Elevation	Time	Depth below TOC (ft)	Total Change in Level (ft)	Incremental Change in Level (ft)	Water Level Elevation
Baseline 1/28/2008	8:41	Below Pump	--	0	**Below Pump**	8:22	36.26	0.00	0.00	**106.63**	8:30	32.25	0.00	0.00	**109.82**
8/19/2012	15:18	30.89	--	-1.95	**111.76**	15:20	28.87	7.39	-1.90	**114.02**	15:25	24.64	7.61	-2.51	**117.43**
11/11/2012	15:32	34.00	--	-3.11	**108.65**	15:34	32.00	4.26	-3.13	**110.89**	15:37	28	4.25	-3.36	**114.07**
2/13/2013	14:20	26.75	--	7.25	**115.90**	14:22	25.13	11.13	6.87	**117.76**	14:25	19.76	12.49	8.24	**122.31**
6/2/2013	14:48	29.22	--	-2.47	**113.43**	14:51	27.25	9.01	-2.12	**115.64**	14:55	23.00	9.25	-3.24	**119.07**
8/25/2013	13:15	32.75	--	-3.53	**109.90**	13:19	30.75	5.51	-3.50	**112.14**	13:21	26.65	5.60	-3.65	**115.42**

Notes

1. Groundwater elevations in feet specified relative to North American Vertical Datum of 1988 (NAVD88).
2. Depth to pump is 36.9 feet.
3. Surveyors identified elevation from the top of the steel lid on the aboveground monuments. Reported elevations were decreased to reflect top of casing elevation by subtracting the difference in elevation from the lid to the top of casing measured using a pocket measuring tape.
4. Monitoring wells MW-38 through MW-42 were installed in July 2010.
5. Monitoring well MW-43 was installed in October 2010.
6. Elevations indicated for MW-23 and MW-37 on 1/28/2008 are raised by 1 foot from values recorded in the field due to suspected error in field recording.
7. Groundwater elevation measured on 8/20/12 due to well location in closed maintenance yard.

Abbreviations

-- = Data point was either not measured or not calculated
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TABLE 2

WATER LEVEL READINGS[1]

Former J.H. Baxter & Co. Wood Treating Facility
Arlington, Washington

	BXS-4 - TOC Elevation: 143.42					HC-MW-5 - TOC Elevation: 143.75					HC-MW-6 - TOC Elevation: 146.36				
Date	Time	Depth below TOC (ft)	Total Change in Level (ft)	Incremental Change in Level (ft)	Water Level Elevation	Time	Depth below TOC (ft)	Total Change in Level (ft)	Incremental Change in Level (ft)	Water Level Elevation	Time	Depth below TOC (ft)	Total Change in Level (ft)	Incremental Change in Level (ft)	Water Level Elevation
Baseline 1/28/2008	11:51	11.32	0.00	0.00	**132.10**	15:15	23.33	0.00	0.00	**120.42**	11:05	39.52	0.00	0.00	**106.84**
8/19/2012	14:47	13.35	-2.03	-3.35	**130.07**	14:44	23.16	0.17	-3.73	**120.59**	14:18	33.94	5.58	-2.94	**112.42**
11/11/2012	15:15	12.10	-0.78	1.25	**131.32**	15:02	24.80	-1.47	-1.64	**118.95**	14:55	34.40	5.12	-0.46	**111.96**
2/13/2013	13:53	8.88	2.44	3.22	**134.54**	14:08	16.96	6.37	7.84	**126.79**	13:35	28.23	11.29	6.17	**118.13**
6/2/2013	13:55	11.77	-0.45	-2.89	**131.65**	13:53	21.55	1.78	-4.59	**122.20**	-	-	-	-	**-**
8/25/2013	11:08	15.12	-3.80	-3.35	**128.30**	-	-	-	-	-	-	-	-	-	-

Notes

1. Groundwater elevations in feet specified relative to North American Vertical Datum of 1988 (NAVD88).
2. Depth to pump is 36.9 feet.
3. Surveyors identified elevation from the top of the steel lid on the aboveground monuments. Reported elevations were decreased to reflect top of casing elevation by subtracting the difference in elevation from the lid to the top of casing measured using a pocket measuring tape.
4. Monitoring wells MW-38 through MW-42 were installed in July 2010.
5. Monitoring well MW-43 was installed in October 2010.
6. Elevations indicated for MW-23 and MW-37 on 1/28/2008 are raised by 1 foot from values recorded in the field due to suspected error in field recording.
7. Groundwater elevation measured on 8/20/12 due to well location in closed maintenance yard.

Abbreviations

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TABLE 2

WATER LEVEL READINGS[1]

Former J.H. Baxter & Co. Wood Treating Facility
Arlington, Washington

	HC-MW-7 - TOC Elevation: 144.73					MW-1 - TOC Elevation: 147.44					MW-2 - TOC Elevation: 145.96				
Date	Time	Depth below TOC (ft)	Total Change in Level (ft)	Incremental Change in Level (ft)	Water Level Elevation	Time	Depth below TOC (ft)	Total Change in Level (ft)	Incremental Change in Level (ft)	Water Level Elevation	Time	Depth below TOC (ft)	Total Change in Level (ft)	Incremental Change in Level (ft)	Water Level Elevation
Baseline 1/28/2008	14:19	42.06	0.00	0.00	**102.67**	12:05	23.11	0.00	0.00	**124.33**	14:23	42.28	0.00	0.00	**103.68**
8/19/2012	13:17	35.92	6.14	-1.93	**108.81**	14:40	24.91	-1.80	-3.00	**122.53**	14:36	36.21	6.07	-2.35	**109.75**
11/11/2012	13:01	39	3.06	-3.08	**105.73**	15:00	24.80	-1.69	0.11	**122.64**	13:42	39.45	2.83	-3.24	**106.51**
2/13/2013	12:37	31.75	10.31	7.25	**112.98**	13:40	20.56	2.55	4.24	**126.88**	13:30	31.31	10.97	8.14	**114.65**
6/2/2013	13:10	34.3	7.76	-2.55	**110.43**	13:50	23.85	-0.74	-3.29	**123.59**	15:03	34.44	7.84	-3.13	**111.52**
8/25/2013	12:03	37.80	4.26	-3.50	**106.93**	12:29	25.77	-2.66	-1.92	**121.67**	12:26	38.25	4.03	-3.81	**107.71**

Notes

1. Groundwater elevations in feet specified relative to North American Vertical Datum of 1988 (NAVD88).
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4. Monitoring wells MW-38 through MW-42 were installed in July 2010.
5. Monitoring well MW-43 was installed in October 2010.
6. Elevations indicated for MW-23 and MW-37 on 1/28/2008 are raised by 1 foot from values recorded in the field due to suspected error in field recording.
7. Groundwater elevation measured on 8/20/12 due to well location in closed maintenance yard.

Abbreviations

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TABLE 2

WATER LEVEL READINGS[1]

Former J.H. Baxter & Co. Wood Treating Facility
Arlington, Washington

	MW-3[3] - TOC Elevation: 146.13					MW-4 - TOC Elevation: 145.02					MW-10 - TOC Elevation: 144.99				
Date	Time	Depth below TOC (ft)	Total Change in Level (ft)	Incremental Change in Level (ft)	Water Level Elevation	Time	Depth below TOC (ft)	Total Change in Level (ft)	Incremental Change in Level (ft)	Water Level Elevation	Time	Depth below TOC (ft)	Total Change in Level (ft)	Incremental Change in Level (ft)	Water Level Elevation
Baseline 1/28/2008	10:22	39.26	0.00	0.00	**106.87**	11:37	9.48	0.00	0.00	**135.54**	12:15	30.09	0.00	0.00	**114.90**
8/19/2012	13:47	33.85	5.41	-2.29	**112.28**	14:50	12.77	-3.29	-3.64	**132.25**	14:58	25.84	4.25	-3.58	**119.15**
11/11/2012	13:51	36.95	2.31	-3.10	**109.18**	15:07	9.87	-0.39	2.90	**135.15**	15:21	29.20	0.89	-3.36	**115.79**
2/13/2013	13:05	29.16	10.10	7.79	**116.97**	14:01	7.96	1.52	1.91	**137.06**	14:14	19.81	10.28	9.39	**125.18**
6/2/2013	14:17	31.95	7.31	-2.79	**114.18**	14:00	11.45	-1.97	-3.49	**133.57**	14:14	24.22	5.87	-4.41	**120.77**
8/25/2013	12:55	35.65	3.61	-3.70	**110.48**	12:35	13.26	-3.78	-1.81	**131.76**	13:10	28.43	1.66	-4.21	**116.56**

Notes

1. Groundwater elevations in feet specified relative to North American Vertical Datum of 1988 (NAVD88).
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4. Monitoring wells MW-38 through MW-42 were installed in July 2010.
5. Monitoring well MW-43 was installed in October 2010.
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7. Groundwater elevation measured on 8/20/12 due to well location in closed maintenance yard.

Abbreviations

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TABLE 2

WATER LEVEL READINGS[1]

Former J.H. Baxter & Co. Wood Treating Facility
Arlington, Washington

	MW-11 - TOC Elevation: 146.06					MW-14 - TOC Elevation: 141.70					MW-15 - TOC Elevation: 142.22				
Date	Time	Depth below TOC (ft)	Total Change in Level (ft)	Incremental Change in Level (ft)	Water Level Elevation	Time	Depth below TOC (ft)	Total Change in Level (ft)	Incremental Change in Level (ft)	Water Level Elevation	Time	Depth below TOC (ft)	Total Change in Level (ft)	Incremental Change in Level (ft)	Water Level Elevation
Baseline 1/28/2008	11:59	20.32	0.00	0.00	**125.74**	11:45	21.72	0.00	0.00	**119.98**	13:47	37.50	0.00	0.00	**104.72**
8/19/2012	15:05	22.62	-2.30	-3.08	**123.44**	14:54	19.95	1.77	-4.46	**121.75**	13:21	31.43	6.07	-1.85	**110.79**
11/11/2012	15:17	21.70	-1.38	0.92	**124.36**	15:11	22.50	-0.78	-2.55	**119.20**	13:05	34.60	2.90	-3.17	**107.62**
2/13/2013	13:42	18.30	2.02	3.40	**127.76**	14:05	13.61	8.11	8.89	**128.09**	12:44	27.53	9.97	7.07	**114.69**
6/2/2013	14:12	21.62	-1.30	-3.32	**124.44**	14:04	18.32	3.40	-4.71	**123.38**	13:14	29.81	7.69	-2.28	**112.41**
8/25/2013	12:43	23.00	-2.68	-1.38	**123.06**	17:38	22.01	-0.29	-3.69	**119.69**	12:07	33.33	4.17	-3.52	**108.89**

Notes

1. Groundwater elevations in feet specified relative to North American Vertical Datum of 1988 (NAVD88).
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4. Monitoring wells MW-38 through MW-42 were installed in July 2010.
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6. Elevations indicated for MW-23 and MW-37 on 1/28/2008 are raised by 1 foot from values recorded in the field due to suspected error in field recording.
7. Groundwater elevation measured on 8/20/12 due to well location in closed maintenance yard.

Abbreviations

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TABLE 2

WATER LEVEL READINGS[1]

Former J.H. Baxter & Co. Wood Treating Facility
Arlington, Washington

	MW-16 - TOC Elevation: 142.91					MW-17 - TOC Elevation: 144.85					MW-18 - TOC Elevation: 142.45				
Date	Time	Depth below TOC (ft)	Total Change in Level (ft)	Incremental Change in Level (ft)	Water Level Elavation	Time	Depth below TOC (ft)	Total Change in Level (ft)	Incremental Change in Level (ft)	Water Level Elevation	Time	Depth below TOC (ft)	Total Change in Level (ft)	Incremental Change in Level (ft)	Water Level Elevation
Baseline 1/28/2008	13:57	39.00	0.00	0.00	**103.91**	13:52	40.38	0.00	0.00	**104.47**	14:14	40.40	0.00	0.00	**102.05**
8/19/2012	13:14	32.75	6.25	-1.83	**110.16**	13:26	34.25	6.13	-1.79	**110.60**	14:30	34.01	6.39	-1.51	**108.44**
11/11/2012	12:58	36	3.00	-3.25	**106.91**	13:35	37.40	2.98	-3.15	**107.45**	8:21	37.15	3.25	-3.14	**105.30**
2/13/2013	12:35	28.81	10.19	7.19	**114.10**	12:41	30.61	9.77	6.79	**114.24**	N/A	30.63	9.77	6.52	**111.82**
6/2/2013	13:06	31.15	7.85	-2.34	**111.76**	15:07	32.56	7.82	-1.95	**112.29**	7:28	32.5	7.90	-1.87	**109.95**
8/25/2013	12:00	34.74	4.26	-3.59	**108.17**	12:11	36.10	4.28	-3.54	**108.75**	8:01	35.97	4.43	-3.47	**106.48**

Notes

1. Groundwater elevations in feet specified relative to North American Vertical Datum of 1988 (NAVD88).
2. Depth to pump is 36.9 feet.
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4. Monitoring wells MW-38 through MW-42 were installed in July 2010.
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TABLE 2

WATER LEVEL READINGS[1]

Former J.H. Baxter & Co. Wood Treating Facility
Arlington, Washington

	MW-22 - TOC Elevation: 142.75					MW-23 - TOC Elevation: 143.18					MW-24 - TOC Elevation: 144.13				
Date	Time	Depth (ft) below TOC	Total Change in Level (ft)	Incremental Change in Level	Water Level Elavation	Time	Depth below TOC (ft)	Total Change in Level (ft)	Incremental Change in Level (ft)	Water Level Elevation	Time	Depth below TOC (ft)	Total Change in Level (ft)	Incremental Change in Level (ft)	Water Level Elevation
Baseline 1/28/2008	10:10	34.03	0.00	0.00	**108.72**	10:02	35.68[6]	0.00	0.00	**107.50**	10:25	37.11	0.00	0.00	**107.02**
8/19/2012	13:45	28.02	6.01	-2.12	**114.73**	13:43	29.81	5.88	-2.31	**113.37**	14:21	31.71	5.40	-2.36	**112.42**
11/11/2012	13:27	30.79	3.24	-2.77	**111.96**	13:25	32.65	3.03	-2.84	**110.53**	13:50	34.80	2.31	-3.09	**109.33**
2/13/2013	14:16	24.12	9.91	6.67	**118.63**	13:03	25.40	10.28	7.25	**117.78**	N/A	27.10	10.01	7.70	**117.03**
6/2/2013	13:46	26.26	7.77	-2.14	**116.49**	13:43	28.15	7.53	-2.75	**115.03**	14:22	29.94	7.17	-2.84	**114.19**
8/25/2013	13:02	29.69	4.34	-3.43	**113.06**	13:00	31.64	4.04	-3.49	**111.54**	12:14	33.55	3.56	-3.61	**110.58**

Notes

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4. Monitoring wells MW-38 through MW-42 were installed in July 2010.
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7. Groundwater elevation measured on 8/20/12 due to well location in closed maintenance yard.

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TABLE 2

WATER LEVEL READINGS[1]

Former J.H. Baxter & Co. Wood Treating Facility
Arlington, Washington

	MW-25 - TOC Elevation: 144.98					MW-26 - TOC Elevation: 144.75					MW-27 - TOC Elevation: 144.31				
Date	Time	Depth below TOC (ft)	Total Change in Level (ft)	Incremental Change in Level (ft)	Water Level Elevation	Time	Depth below TOC (ft)	Total Change in Level (ft)	Incremental Change in Level (ft)	Water Level Elevation	Time	Depth below TOC (ft)	Total Change in Level (ft)	Incremental Change in Level (ft)	Water Level Elevation
Baseline 1/28/2008	10:28	35.92	0.00	0.00	**109.06**	10:54	37.27	0.00	0.00	**107.48**	10:41	37.30	0.00	0.00	**107.01**
8/19/2012	14:09	28.71	7.21	-2.24	**116.27**	14:04	32.00	5.27	-2.55	**112.75**	13:58	31.89	5.41	-2.44	**112.42**
11/11/2012	13:31	31.35	4.57	-2.64	**113.63**	14:39	35.20	2.07	-3.20	**109.55**	13:44	35.00	2.30	-3.11	**109.31**
2/13/2013	13:21	27.60	8.32	3.75	**117.38**	13:15	26.99	10.28	8.21	**117.76**	13:13	27.00	10.30	8.00	**117.31**
6/2/2013	13:41	27.36	8.56	0.24	**117.62**	14:40	30.33	6.94	-3.34	**114.42**	14:29	30.15	7.15	-3.15	**114.16**
8/25/2013	13:07	35.51	0.41	-8.15	**109.47**	12:46	33.97	3.30	-3.64	**110.78**	12:48	33.83	3.47	-3.68	**110.48**

Notes

1. Groundwater elevations in feet specified relative to North American Vertical Datum of 1988 (NAVD88).
2. Depth to pump is 36.9 feet.
3. Surveyors identified elevation from the top of the steel lid on the aboveground monuments. Reported elevations were decreased to reflect top of casing elevation by subtracting the difference in elevation from the lid to the top of casing measured using a pocket measuring tape.
4. Monitoring wells MW-38 through MW-42 were installed in July 2010.
5. Monitoring well MW-43 was installed in October 2010.
6. Elevations indicated for MW-23 and MW-37 on 1/28/2008 are raised by 1 foot from values recorded in the field due to suspected error in field recording.
7. Groundwater elevation measured on 8/20/12 due to well location in closed maintenance yard.

Abbreviations

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TABLE 2

WATER LEVEL READINGS[1]

Former J.H. Baxter & Co. Wood Treating Facility
Arlington, Washington

	MW-28 - TOC Elevation: 142.77					MW-29 - TOC Elevation: 142.61					MW-30 - TOC Elevation: 142.40				
Date	Time	Depth below TOC (ft)	Total Change in Level (ft)	Incremental Change in Level (ft)	Water Level Elevation	Time	Depth below TOC (ft)	Total Change in Level (ft)	Incremental Change in Level (ft)	Water Level Elevation	Time	Depth below TOC (ft)	Total Change in Level (ft)	Incremental Change in Level (ft)	Water Level Elevation
Baseline 1/28/2008	9:47	35.76	0.00	0.00	**107.01**	14:46	36.28	0.00	0.00	**106.33**	13:28	36.93	0.00	0.00	**105.47**
8/19/2012	15:15	29.91	5.85	-2.23	**112.86**	13:40	30.80	5.48	-2.21	**111.81**	13:31	31.01	5.92	-2.01	**111.39**
11/11/2012	15:30	32.85	2.91	-2.94	**109.92**	13:21	33.82	2.46	-3.02	**108.79**	13:14	34.24	2.69	-3.23	**108.16**
2/13/2013	14:18	25.45	10.31	7.40	**117.32**	13:00	26.30	9.98	7.52	**116.31**	12:52	26.85	10.08	7.39	**115.55**
6/2/2013	14:45	28.15	7.61	-2.70	**114.62**	13:33	28.99	7.29	-2.69	**113.62**	13:23	29.39	7.54	-2.54	**113.01**
8/25/2013	13:14	31.73	4.03	-3.58	**111.04**	12:23	32.64	3.64	-3.65	**109.97**	12:16	32.95	3.98	-3.56	**109.45**

Notes

1. Groundwater elevations in feet specified relative to North American Vertical Datum of 1988 (NAVD88).
2. Depth to pump is 36.9 feet.
3. Surveyors identified elevation from the top of the steel lid on the aboveground monuments. Reported elevations were decreased to reflect top of casing elevation by subtracting the difference in elevation from the lid to the top of casing measured using a pocket measuring tape.
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6. Elevations indicated for MW-23 and MW-37 on 1/28/2008 are raised by 1 foot from values recorded in the field due to suspected error in field recording.
7. Groundwater elevation measured on 8/20/12 due to well location in closed maintenance yard.

Abbreviations

-- = Data point was either not measured or not calculated
ft = feet
TOC = top of casing

TABLE 2

WATER LEVEL READINGS[1]

Former J.H. Baxter & Co. Wood Treating Facility
Arlington, Washington

	MW-31 - TOC Elevation: 140.95					MW-32 - TOC Elevation: 145.01					MW-33 - TOC Elevation: 143.46				
Date	Time	Depth below TOC (ft)	Total Change in Level (ft)	Incremental Change in Level (ft)	Water Level Elevation	Time	Depth below TOC (ft)	Total Change in Level (ft)	Incremental Change in Level (ft)	Water Level Elevation	Time	Depth below TOC (ft)	Total Change in Level (ft)	Incremental Change in Level (ft)	Water Level Elevation
Baseline 1/28/2008	13:42	35.72	0.00	0.00	**105.23**	10:32	37.65	0.00	0.00	**107.36**	10:17	36.59	0.00	0.00	**106.87**
8/19/2012	13:29	29.79	5.93	-1.94	**111.16**	14:12	32.32	5.33	-2.40	**112.69**	13:50	31.12	5.47	-2.27	**112.34**
11/11/2012	13:10	32.92	2.80	-3.13	**108.03**	13:29	35.43	2.22	-3.11	**109.58**	13:49	34.25	2.34	-3.13	**109.21**
2/13/2013	12:50	25.77	9.95	7.15	**115.18**	13:18	24.91	12.74	10.52	**120.10**	13:06	26.51	10.08	7.74	**116.95**
6/2/2013	13:21	28.10	7.62	-2.33	**112.85**	13:39	30.70	6.95	-5.79	**114.31**	14:40	29.45	7.14	-2.94	**114.01**
8/25/2013	12:14	31.65	4.07	-3.55	**109.30**	13:06	34.25	3.40	-3.55	**110.76**	12:54	33.01	3.58	-3.56	**110.45**

Notes

1. Groundwater elevations in feet specified relative to North American Vertical Datum of 1988 (NAVD88).
2. Depth to pump is 36.9 feet.
3. Surveyors identified elevation from the top of the steel lid on the aboveground monuments. Reported elevations were decreased to reflect top of casing elevation by subtracting the difference in elevation from the lid to the top of casing measured using a pocket measuring tape.
4. Monitoring wells MW-38 through MW-42 were installed in July 2010.
5. Monitoring well MW-43 was installed in October 2010.
6. Elevations indicated for MW-23 and MW-37 on 1/28/2008 are raised by 1 foot from values recorded in the field due to suspected error in field recording.
7. Groundwater elevation measured on 8/20/12 due to well location in closed maintenance yard.

Abbreviations

-- = Data point was either not measured or not calculated
ft = feet
TOC = top of casing

TABLE 2

WATER LEVEL READINGS[1]

Former J.H. Baxter & Co. Wood Treating Facility
Arlington, Washington

	MW-34 - TOC Elevation: 142.60					MW-35 - TOC Elevation: 143.89					MW-36 - TOC Elevation: 141.15				
Date	Time	Depth below TOC (ft)	Total Change in Level (ft)	Incremental Change in Level (ft)	Water Level Elevation	Time	Depth below TOC (ft)	Total Change in Level (ft)	Incremental Change in Level (ft)	Water Level Elevation	Time	Depth below TOC (ft)	Total Change in Level (ft)	Incremental Change in Level (ft)	Water Level Elevation
Baseline 1/28/2008	14:51	36.31	0.00	0.00	**106.29**	11:12	37.53	0.00	0.00	**106.36**	13:41	35.55	0.00	0.00	**105.60**
8/19/2012	13:38	30.85	5.46	-2.19	**111.75**	13:55	31.99	5.54	-2.34	**111.90**	12:45	29.75	5.80	-2.10	**111.40**
11/11/2012	13:18	33.90	2.41	-3.05	**108.70**	13:46	35.00	2.53	-3.01	**108.89**	12:33	32.93	2.62	-3.18	**108.22**
2/13/2013	12:58	26.30	10.01	7.60	**116.30**	13:08	27.29	10.24	7.71	**116.60**	12:00	25.50	10.05	7.43	**115.65**
6/2/2013	13:30	29.00	7.31	-2.70	**113.60**	14:25	30.15	7.38	-2.86	**113.74**	12:45	28.00	7.55	-2.50	**113.15**
8/25/2013	12:21	32.65	3.66	-3.65	**109.95**	12:58	33.86	3.67	-3.71	**110.03**	15:00	31.57	3.98	-3.57	**109.58**

Notes

1. Groundwater elevations in feet specified relative to North American Vertical Datum of 1988 (NAVD88).
2. Depth to pump is 36.9 feet.
3. Surveyors identified elevation from the top of the steel lid on the aboveground monuments. Reported elevations were decreased to reflect top of casing elevation by subtracting the difference in elevation from the lid to the top of casing measured using a pocket measuring tape.
4. Monitoring wells MW-38 through MW-42 were installed in July 2010.
5. Monitoring well MW-43 was installed in October 2010.
6. Elevations indicated for MW-23 and MW-37 on 1/28/2008 are raised by 1 foot from values recorded in the field due to suspected error in field recording.
7. Groundwater elevation measured on 8/20/12 due to well location in closed maintenance yard.

Abbreviations

-- = Data point was either not measured or not calculated
ft = feet
TOC = top of casing

TABLE 2

WATER LEVEL READINGS[1]

Former J.H. Baxter & Co. Wood Treating Facility
Arlington, Washington

	MW-37 - TOC Elevation: 141.96					MW-38[4] - TOC Elevation: 143.28					MW-39[4] - TOC Elevation: 142.85				
Date	Time	Depth below TOC (ft)	Total Change in Level (ft)	Incremental Change in Level (ft)	Water Level Elevation	Time	Depth below TOC (ft)	Total Change in Level (ft)	Incremental Change in Level (ft)	Water Level Elevation	Time	Depth below TOC (ft)	Total Change in Level (ft)	Incremental Change in Level (ft)	Water Level Elevation
Baseline 1/28/2008	14:05	37.80[6]	0.00	0.00	**104.16**	--	--	--	--	--	--	--	--	--	--
8/19/2012	12:58	31.61	6.20	-1.70	**110.35**	13:35	31.51	--	-2.10	**111.77**	13:02	33.13	--	-1.72	**109.72**
11/11/2012	12:51	34.8	3.00	-3.19	**107.16**	13:16	34.59	--	-3.08	**108.69**	12:54	36.25	--	-3.12	**106.60**
2/13/2013	12:30	27.92	9.88	6.88	**114.04**	12:55	27.15	--	7.44	**116.13**	12:32	29.54	--	6.71	**113.31**
6/2/2013	13:00	30.01	7.79	-2.09	**111.95**	13:27	29.82	--	-2.67	**113.46**	13:03	31.55	--	-2.01	**111.30**
8/25/2013	11:52	33.75	4.05	-3.74	**108.21**	12:20	33.36	--	-3.54	**109.92**	11:58	35.00	--	-3.45	**107.85**

Notes

1. Groundwater elevations in feet specified relative to North American Vertical Datum of 1988 (NAVD88).
2. Depth to pump is 36.9 feet.
3. Surveyors identified elevation from the top of the steel lid on the aboveground monuments. Reported elevations were decreased to reflect top of casing elevation by subtracting the difference in elevation from the lid to the top of casing measured using a pocket measuring tape.
4. Monitoring wells MW-38 through MW-42 were installed in July 2010.
5. Monitoring well MW-43 was installed in October 2010.
6. Elevations indicated for MW-23 and MW-37 on 1/28/2008 are raised by 1 foot from values recorded in the field due to suspected error in field recording.
7. Groundwater elevation measured on 8/20/12 due to well location in closed maintenance yard.

Abbreviations

-- = Data point was either not measured or not calculated
ft = feet
TOC = top of casing

TABLE 2

WATER LEVEL READINGS[1]

Former J.H. Baxter & Co. Wood Treating Facility
Arlington, Washington

	MW-40[4] - TOC Elevation: 142.10					MW-41[4] - TOC Elevation: 142.21					MW-42[4] - TOC Elevation: 142.68				
Date	Time	Depth below TOC (ft)	Total Change in Level (ft)	Incremental Change in Level (ft)	Water Level Elevation	Time	Depth below TOC (ft)	Total Change in Level (ft)	Incremental Change in Level (ft)	Water Level Elevation	Time	Depth below TOC (ft)	Total Change in Level (ft)	Incremental Change in Level (ft)	Water Level Elevation
Baseline 1/28/2008	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
8/19/2012	13:24	31.88	--	-2.11	**110.22**	12:40	32.28	--	-1.78	**109.93**	14:29	34.45	--	-1.64	**108.23**
11/11/2012	13:07	35.10	--	-3.22	**107.00**	12:35	35.40	--	-3.12	**106.81**	8:00	37.55	--	-3.10	**105.13**
2/13/2013	12:47	27.97	--	7.13	**114.13**	12:02	28.59	--	6.81	**113.62**	7:40	30.96	--	6.59	**111.72**
6/2/2013	13:16	30.24	--	-2.27	**111.86**	12:51	30.66	--	-2.07	**111.55**	7:27	32.84	--	-1.88	**109.84**
8/25/2013	12:09	33.47	--	-3.23	**108.63**	14:43	34.12	--	-3.46	**108.09**	7:26	36.33	--	-3.49	**106.35**

Notes

1. Groundwater elevations in feet specified relative to North American Vertical Datum of 1988 (NAVD88).
2. Depth to pump is 36.9 feet.
3. Surveyors identified elevation from the top of the steel lid on the aboveground monuments. Reported elevations were decreased to reflect top of casing elevation by subtracting the difference in elevation from the lid to the top of casing measured using a pocket measuring tape.
4. Monitoring wells MW-38 through MW-42 were installed in July 2010.
5. Monitoring well MW-43 was installed in October 2010.
6. Elevations indicated for MW-23 and MW-37 on 1/28/2008 are raised by 1 foot from values recorded in the field due to suspected error in field recording.
7. Groundwater elevation measured on 8/20/12 due to well location in closed maintenance yard.

Abbreviations

-- = Data point was either not measured or not calculated
ft = feet
TOC = top of casing

TABLE 2

WATER LEVEL READINGS[1]

Former J.H. Baxter & Co. Wood Treating Facility
Arlington, Washington

Date	MW-43[5] - TOC Elevation: 141.51														
	Time	Depth below TOC (ft)	Total Change in Level (ft)	Incremental Change in Level (ft)	Water Level Elevation										
Baseline 1/28/2008	--	--	--	--	--										
8/19/2012	8:53	36.017	--	-1.27	**105.49**										
11/11/2012	7:45	38.99	--	-2.98	**102.52**										
2/13/2013	8:30	33.4	--	5.59	**108.11**										
6/2/2013	8:28	34.65	--	-1.25	**106.86**										
8/25/2013	8:25	37.74	--	-3.09	**103.77**										

Notes

1. Groundwater elevations in feet specified relative to North American Vertical Datum of 1988 (NAVD88).
2. Depth to pump is 36.9 feet.
3. Surveyors identified elevation from the top of the steel lid on the aboveground monuments. Reported elevations were decreased to reflect top of casing elevation by subtracting the difference in elevation from the lid to the top of casing measured using a pocket measuring tape.
4. Monitoring wells MW-38 through MW-42 were installed in July 2010.
5. Monitoring well MW-43 was installed in October 2010.
6. Elevations indicated for MW-23 and MW-37 on 1/28/2008 are raised by 1 foot from values recorded in the field due to suspected error in field recording.
7. Groundwater elevation measured on 8/20/12 due to well location in closed maintenance yard.

Abbreviations

-- = Data point was either not measured or not calculated
ft = feet
TOC = top of casing

TABLE 3

VERTICAL GROUNDWATER GRADIENTS AT MONITORING WELL PAIRS [1, 2]

Former J.H. Baxter & Co. Wood Treating Facility
Arlington, Washington

Vertical Hydraulic Gradient	Well Pair	8/19/2012	11/11/2012	2/13/2013	6/2/2013	8/25/2013
Shallow / Intermediate	MW-25/MW-32	0.24	0.28	-0.19	0.225	-0.09
	MW-3/MW-33	-0.0038	-0.0019	0.0013	0.011	0.0019
	MW-29/MW-34	0.004	0.006	0.001	0.001	0.001
Shallow / Deep	MW-29/MW-38	0.0012	0.0029	0.0052	0.005	0.0015
	MW-15/MW-40	0.015	0.016	0.015	0.015	0.007
Intermediate / Deep	MW-37/MW-41	0.017	0.014	0.017	0.016	0.005

Notes
1. Vertical groundwater gradients are dimensionless.
2. Gradients are calculated as shallower well groundwater elevation minus deeper well groundwater elevation divided by the distance between well screen midpoints. Positive values indicate a downward flow direction, while negative values indicate an upward flow direction.

TABLE 4A
Summary of Groundwater Sampling Analytical Results - 2007 through Third Quarter 2013
Former J.H. Baxter Co. Wood Treating Facility
Arlington, Washington

Event	Station ID	Sample ID	Sample Date	Pentachlorophenol	2-Methylnaphthalene	Acenaphthene	Acenaphthylene	Anthracene	Benz(a)anthracene	Benzo(a)pyrene	Benzo(b)fluoranthene	Benzo(g,h,i)perylene	Benzo(k)fluoranthene	Chrysene	Dibenz(a,h)anthracene	Fluoranthene	Fluorene	Indeno(1,2,3-cd)pyrene	Naphthalene	Phenanthrene	Pyrene	Total PAH (calc)
				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	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
2008_01LF	BXS-1	BXS-1	1/9/08	66	0.019 U	0.0044 U	0.0034 U	0.0036 U	0.0026 U	0.0043 U	0.0023 U	0.0029 U	0.0025 U	0.0034 U	0.0025 U	0.0044 U	0.0038 U	0.0026 U	0.0067 J	0.005 U	0.0035 U	0.0067
2008_03	BXS-1	BXS-1	2/26/08	54																		
2008_SI	BXS-1	BXS-1	4/30/08	53	0.0023 U	0.0044 U	0.0034 U	0.0036 U	0.0026 U	0.0043 U	0.0023 U	0.0029 U	0.0025 U	0.0034 U	0.0025 U	0.0044 U	0.0038 U	0.0026 U	0.019 U	0.005 U	0.0035 U	ND
2008_SI	BXS-1	BXS-1	7/29/08	27	0.019 U	0.0044 U	0.0034 U	0.0036 U	0.0026 U	0.0043 U	0.0023 U	0.0029 U	0.0025 U	0.0034 U	0.0025 U	0.0044 U	0.0038 U	0.0026 U	0.019 U	0.005 U	0.0035 U	ND
2008_SI	BXS-1	BXS-1	10/22/08	26	0.02	0.0044 U	0.0034 U	0.0036 U	0.0026 U	0.0043 U	0.0023 U	0.0029 U	0.0025 U	0.0034 U	0.0025 U	0.0044 U	0.0038 U	0.0026 U	0.02 U	0.005 U	0.0035 U	0.02
2009_SI	BXS-1	BXS-1	2/10/09	38 J	0.0023 U	0.0044 U	0.0034 U	0.0036 U	0.0026 U	0.0043 U	0.0023 U	0.0029 U	0.0025 U	0.0034 U	0.0025 U	0.0044 U	0.0038 U	0.0026 U	0.019 U	0.005 U	0.0035 U	ND
2009_SI	BXS-1	BXS-1	5/6/09	81	0.0023 U	0.0044 U	0.0034 U	0.0036 U	0.0026 U	0.0043 U	0.0023 U	0.0029 U	0.0025 U	0.0034 U	0.0025 U	0.0044 U	0.0038 U	0.0026 U	0.02 U	0.005 U	0.0035 U	ND
2009_SI	BXS-1	BXS-1	8/5/09	46	0.0023 U	0.0044 U	0.0034 U	0.0036 U	0.0026 U	0.0043 U	0.0023 U	0.0029 U	0.0025 U	0.0034 U	0.0025 U	0.0044 U	0.0038 U	0.0026 U	0.019 U	0.005 U	0.0035 U	ND
2009_SI	BXS-1	BXS-1	11/18/09	94	0.019 U	0.0044 U	0.0034 U	0.0036 U	0.0026 U	0.0043 U	0.0023 U	0.0029 U	0.0025 U	0.0034 U	0.0025 U	0.0044 U	0.0038 U	0.0026 U	0.089 U	0.005 U	0.0035 U	ND
2010_02SIPMP	BXS-1	BXS-1	2/10/10	77	0.0023 U	0.0044 U	0.0034 U	0.0036 U	0.0026 U	0.0043 U	0.0023 U	0.003 J	0.0025 U	0.0034 U	0.0025 U	0.0044 U	0.0038 U	0.0026 U	0.057	0.005 U	0.0035 U	0.06
2010_05SIPMP	BXS-1	BXS-1	5/26/10	92	0.0023 U	0.0044 U	0.0034 U	0.0036 U	0.02 U	0.0043 U	0.0023 U	0.0029 U	0.0025 U	0.0034 U	0.0025 U	0.0045 J	0.0038 U	0.0026 U	0.039 U	0.009 J	0.0037 J	0.0172
2010_08SIPMP	BXS-1	BXS-1	8/18/10	85	0.0023 U	0.0044 U	0.0034 U	0.0036 U	0.0026 U	0.0043 U	0.0023 U	0.0029 U	0.0025 U	0.0034 U	0.0025 U	0.0044 U	0.0038 U	0.0026 U	0.072	0.005 U	0.0035 U	0.072
2010_11SIPMP	BXS-1	BXS-1	11/18/10	73	0.0057 J	0.0044 U	0.0034 U	0.0036 U	0.0026 U	0.0043 U	0.0023 U	0.0029 U	0.0025 U	0.0034 U	0.0025 U	0.0044 U	0.0038 U	0.0026 U	0.025 U	0.005 U	0.0035 U	0.0057
2011_02SIPMP	BXS-1	BXS-1	2/9/11	78 J	0.02 U	0.0044 U	0.0034 U	0.0036 U	0.0055 J	0.0072 J	0.01 J	0.015 J	0.008 J	0.0041 J	0.0073 J	0.0044 U	0.0038 U	0.0097 J	0.021 U	0.005 U	0.0035 U	0.0668
2011_05SIPMP	BXS-1	BXS-1	5/17/11	54	0.02 U	0.0044 U	0.0034 U	0.0076 J	0.02 U	0.0077 J	0.02 U	0.02 U	0.02 U	0.0081 J	0.0062 J	0.0044 U	0.0038 U	0.02 U	0.02 U	0.0063 J	0.0035 U	0.0359
2011_08SIPMP	BXS-1	BXS-1	8/24/11	84	0.0028 J	0.0044 U	0.0034 U	0.0036 U	0.0026 U	0.0043 U	0.0023 U	0.0029 U	0.0025 U	0.0034 U	0.0025 U	0.0044 U	0.0038 U	0.0026 U	0.011 J	0.005 U	0.0035 U	0.0138
2011_11SIPMP	BXS-1	BXS-1	11/3/11	79	0.02 U	0.0044 U	0.0034 U	0.0036 U	0.0026 U	0.0043 U	0.0023 U	0.0029 U	0.0025 U	0.0034 U	0.0025 U	0.0044 U	0.0038 U	0.0026 U	0.066	0.005 U	0.0035 U	0.066
2012_02SIPMP	BXS-1	BXS-1	2/14/12	78	0.0073 J	0.0057 J	0.02 U	0.0073 J	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.0054 J	0.0056 J	0.02 U	0.031	0.01 J	0.02 U	0.0723
2012_05SIPMP	BXS-1	BXS-1	5/2/12	68	0.0076 J	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.026	0.019 U	0.019 U	0.0336
2012_08SIPMP	BXS-1	BXS-1	8/21/12	70	0.019 U	0.019 U	0.019 U	0.0046 J	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.01 J	0.019 U	0.019 U	0.0146
2012_11SIPMP	BXS-1	BXS-1	11/13/12	42 J	0.026 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.0063 J	0.019 U	0.024 U	0.011 U	0.019 U	0.0063
2012_11SIPMP	BXS-1	BXS-5	11/13/12	75 J	0.024 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.0051 J	0.019 U	0.013 U	0.01 U	0.019 U	0.0051
2013_02SIPMP	BXS-1	BXS-1	2/12/13	56 J	0.0052 J	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.0034 J	0.019 U	0.019 U	0.019 U	0.019 U	0.005 J	0.003 J	0.011 J	0.019 U	0.019 U	0.0276
2013_02SIPMP	BXS-1	BXS-5	2/12/13	60 J	0.0046 J	0.019 U	0.019 U	0.0066 J	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.0044 J	0.019 U	0.0071 J	0.019 U	0.019 U	0.0227
2013_06SIPMP	BXS-1	BXS-1	6/4/13	69	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.0096 J	0.019 U	0.019 U	0.0096
2013_06SIPMP	BXS-1	BXS-5	6/4/13	67	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.028	0.02 U	0.02 U	0.028
2013_08SIPMP	BXS-1	BXS-1	8/27/13	51	0.0049 U	0.0044 U	0.0034 U	0.0036 U	0.0026 U	0.0043 U	0.0041 U	0.0029 U	0.003 U	0.0034 U	0.0025 U	0.01 U	0.0055 U	0.0026 U	0.14	0.005 U	0.0053 U	0.14
2013_08SIPMP	BXS-1	BXS-5	8/27/13	45	0.0045 U	0.0044 U	0.0034 U	0.0099 U	0.0026 U	0.0043 U	0.0041 U	0.0029 U	0.003 U	0.0034 U	0.0025 U	0.01 U	0.0055 U	0.0026 U	0.13	0.005 U	0.0053 U	0.13
2007_SI	BXS-2	BXS-2	2/1/07	0.13 U	0.0092 J	0.0031 U	0.0023 U	0.0039 U	0.0039 U	0.0043 U	0.0046 U	0.0041 U	0.0051 U	0.0053 U	0.0036 U	0.0047 U	0.0036 U	0.0033 U	0.02 U	0.0032 U	0.0047 U	0.0092
2007_SI	BXS-2	BXS-2	4/18/07	0.13 U	0.02 U	0.0093 J	0.0023 U	0.0039 U	0.0039 U	0.0043 U	0.0046 U	0.0041 U	0.0051 U	0.0053 U	0.0036 U	0.0047 U	0.0045 J	0.0033 U	0.02 U	0.0032 U	0.0047 U	0.0138
2007_SI	BXS-2	BXS-2	7/17/07	0.13 U	0.007 J	0.0044 U	0.0034 U	0.0036 U	0.0026 U	0.0043 U	0.0023 U	0.0029 U	0.0025 U	0.0034 U	0.0025 U	0.0044 U	0.0038 U	0.0026 U	0.019 U	0.005 U	0.0035 U	0.007
2007_SI	BXS-2	BXS-2	10/9/07	0.08 U	0.01 J	0.0044 U	0.0034 U	0.0036 U	0.0026 U	0.0043 U	0.0023 U	0.0029 U	0.0025 U	0.0034 U	0.0025 U	0.0044 U	0.0038 U	0.0026 U	0.0098 J	0.005 U	0.0035 U	0.0198
2008_01LF	BXS-2	BXS-2	1/9/08	0.08 U	0.019 U	0.0044 U	0.0034 U	0.0036 U	0.0026 U	0.0043 U	0.0023 U	0.0029 U	0.0025 U	0.0034 U	0.0025 U	0.0044 U	0.0038 U	0.0026 U	0.005 J	0.005 U	0.0035 U	0.005
2008_SI	BXS-2	BXS-2	4/30/08	0.08 U	0.0023 U	0.0044 U	0.0034 U	0.0036 U	0.0026 U	0.0043 U	0.0023 U	0.0029 U	0.0025 U	0.0034 U	0.0025 U	0.0044 U	0.0038 U	0.0026 U	0.02 U	0.005 U	0.0035 U	ND
2008_SI	BXS-2	BXS-2	7/30/08	0.08 U	0.02 U	0.0044 U	0.0034 U	0.0036 U	0.0026 U	0.0043 U	0.0023 U	0.0029 U	0.0025 U	0.0034 U	0.0025 U	0.0044 U	0.0038 U	0.0026 U	0.02 U	0.005 U	0.0035 U	ND
2008_SI	BXS-2	BXS-2	10/22/08	0.08 U	0.0095 J	0.0044 U	0.0034 U	0.0036 U	0.012 J	0.0084 J	0.011 J	0.02 U	0.011 J	0.011 J	0.0085 J	0.0044 U	0.0038 U	0.02 U	0.02 U	0.005 U	0.0035 U	0.0714
2009_SI	BXS-2	BXS-2	2/10/09	0.16 U	0.02 U	0.0044 U	0.0034 U	0.0036 U	0.0026 U	0.0043 U	0.0023 U	0.0029 U	0.0025 U	0.0034 U	0.0025 U	0.0044 U	0.0038 U	0.0026 U	0.02 U	0.005 U	0.0035 U	ND
2009_SI	BXS-2	BXS-2	5/6/09	0.16 U	0.0023 U	0.0044 U	0.0034 U	0.0036 U	0.0042 J	0.0043 U	0.0023 U	0.0029 U	0.0025 U	0.0034 U	0.0025 U	0.0044 U	0.0038 U	0.0026 U	0.024 U	0.005 U	0.0035 U	0.0042
2009_SI	BXS-2	BXS-2	8/5/09	0.16 U	0.0023 U	0.0044 U	0.0034 U	0.0036 U	0.0026 U	0.0043 U	0.0023 U	0.0029 U	0.0025 U	0.0034 U	0.0025 U	0.0044 U	0.0038 U	0.0026 U	0.037 U	0.005 U	0.0035 U	ND
2009_SI	BXS-2	BXS-2	11/18/09	0.16 U	0.02 U	0.0044 U	0.0034 U	0.0036 U	0.0026 U	0.0043 U	0.0023 U	0.0029 U	0.0025 U	0.0034 U	0.0025 U	0.0044 U	0.0038 U	0.0026 U	0.089 U	0.005 U	0.0035 U	ND
2010_02SIPMP	BXS-2	BXS-2	2/10/10	0.16 U	0.02 U	0.0044 U	0.0034 U	0.0036 U	0.0026 U	0.0043 U	0.0023 U	0.0029 U	0.0025 U	0.0034 U	0.0025 U	0.0044 U	0.0038 U	0.0026 U	0.044	0.005 U	0.013 J	0.057
2010_05SIPMP	BXS-2	BXS-2	5/26/10	0.07 U	0.02 U	0.0097 J	0.0072 J	0.0075 J	0.0026 U	0.0043 U	0.0023 U	0.0029 U	0.0025 U	0.0034 U	0.0025 U	0.0091 J	0.015 J	0.0026 U	0.022 U	0.034	0.0047 J	0.0872
2010_08SIPMP	BXS-2	BXS-2	8/18/10	0.07 U	0.0023 U	0.0044 U	0.0046 J	0.0036 U	0.0026 U	0.0043 U	0.0023 U	0.0029 U	0.0025 U	0.0034 U	0.0025 U	0.0044 U	0.0038 U	0.0026 U	0.051	0.005 U	0.0074 J	0.063
2010_11SIPMP	BXS-2	BXS-2	11/18/10	0.07 U	0.0025 J	0.0044 U	0.0034 U	0.0036 U	0.0026 U	0.0043 U	0.0023 U	0.0029 U	0.0025 U	0.0034 U	0.0025 U	0.0044 U	0.0038 U	0.0026 U	0.026 U	0.005 U	0.0035 U	0.0025
2011_02SIPMP	BXS-2	BXS-2	2/9/11	0.07 U	0.02 U	0.0044 U	0.0034 U	0.0036 U	0.0026 U	0.0043 U	0.0023 U	0.0029 U	0.0025 U	0.0034 U	0.0025 U	0.0044 U	0.0038 U	0.0026 U	0.02 U	0.005 U	0.0035 U	ND
2011_05SIPMP	BXS-2	BXS-2	5/17/11	0.07 U	0.02 U	0.0044 U	0.0034 U	0.0057 J	0.02 U	0.0043 U	0.02 U	0.0029 U	0.0025 U	0.0034 U	0.0025 U	0.0044 U	0.0038 U	0.0026 U	0.03 U	0.005 U	0.0035 U	0.0057
2011_08SIPMP	BXS-2	BXS-2	8/24/11	0.07 U	0.0038 J	0.0044 U	0.0034 U	0.0036 U	0.0026 U	0.0043 U	0.0023 U	0.0029 U	0.0025 U	0.0034 U	0.0025 U	0.0044 U	0.0054 J	0.0026 U	0.011 J	0.005 U	0.0035 U	0.0202
2011_11SIPMP	BXS-2	BXS-2	11/3/11	0.07 U	0.02 U	0.0044 U	0.0034 U	0.0036 U	0.0026 U	0.0043 U	0.0023 U	0.0029 U	0.0025 U	0.0034 U	0.0025 U	0.0044 U	0.005 J	0.0026 U	0.037	0.005 U	0.0035 U	0.042
2012_02SIPMP	BXS-2	BXS-2	2/14/12	87 U	0.006 J	0.02 Ui	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.006 J	0.02 U	0.037	0.02 U	0.02 U	0.049
2012_05SIPMP	BXS-2	BXS-2	5/2/12	0.50 U	0.0086 J	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.13	0.019 U	0.019 U	0.1386
2012_08SIPMP	BXS-2	BXS-2	8/21/12	0.50 U	0.0039 J	0.021 U	0.021 U	0.0066 J	0.021 U	0.021 U	0.021 U	0.021 U	0.021 U	0.021 U	0.021 U	0.021 U	0.0066 J	0.021 U	0.075	0.021 U	0.021 U	0.0921
2012_11SIPMP	BXS-2	BXS-2	11/13/12	0.50 U	0.022 U	0.019 U	0.019 U	0.0041 J	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.0088 J	0.019 U	0.035 U	0.013 U	0.019 U	0.0129
2013_02SIPMP	BXS-2	BXS-2	2/12/13	0.5 U	0.0065 J	0.019 U	0.019 U	0.0067 J	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.0055 J	0.019 U	0.014 J	0.019 U	0.01 J	0.0427
2013_06SIPMP	BXS-2	BXS-2	6/4/13	0.5 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.029	0.019 U	0.019 U	0.029
2013_08SIPMP	BXS-2	BXS-2	8/27/13	0.16 U	0.0073 U	0.0067 U	0.01 J	0.0036 U	0.0026 U	0.0043 U	0.0041 U	0.0029 U	0.003 U	0.0034 U	0.0025 U	0.01 U	0.0049 U	0.0026 U	0.15	0.005 U	0.0079 J	0.17
2012_05SIPMP	BXS-3	BXS-3	5/2/12	0.50 U	0.0029 J	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.044	0.019 U	0.019 U	0.0469
2012_05SIPMP	BXS-4	BXS-4	5/2/12	0.50 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.034	0.019 U	0.019 U	0.034
2008_01	EW1-EW7	0130-COMP	1/30/08	130																		
2008_03	EW1-EW7	EW1-7 COMP	2/27/08	270																		
2008_SI	EW1-EW7	EW 1-7 Comp.	4/29/08	240																		
2008_SI	EW1-EW7	Extra Well 1-7	7/29/08	230																		
2008_SI	EW1-EW7	EW 1-7	10/22/08	170																		
2009_SI	EW1-EW7	EW 1-7	2/11/09	210																		
2009_SI	EW1-EW7	EW 1-7	5/7/09	210																		
2008_SI	HCMW-7	HCMW-7	10/20/08	0.08 U	0.02	0.009 J	0.0034 U	0.0036 U	0.0026 U	0.0043 U	0.0023 U	0.0029 U	0.0025 U	0.0034 U	0.0025 U	0.012 J	0.0092 J	0.0026 U	0.03	0.025	0.0083 J	0.1135

TABLE 4A
Summary of Groundwater Sampling Analytical Results - 2007 through Third Quarter 2013
Former J.H. Baxter Co. Wood Treating Facility
Arlington, Washington

Event	Station ID	Sample ID	Sample Date	Pentachlorophenol	2-Methylnaphthalene	Acenaphthene	Acenaphthylene	Anthracene	Benz(a)anthracene	Benzo(a)pyrene	Benzo(b)fluoranthene	Benzo(g,h,i)perylene	Benzo(k)fluoranthene	Chrysene	Dibenz(a,h)anthracene	Fluoranthene	Fluorene	Indeno(1,2,3-cd)pyrene	Naphthalene	Phenanthrene	Pyrene	Total PAH (calc)
				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	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
2009_SI	HCMW-7	HCMW-7	2/11/09	0.16 U																		
2009_SI	HCMW-7	HCMW-7	5/4/09	0.16 U																		
2009_SI	HCMW-7	HCMW-7	8/3/09	0.16 U																		
2009_SI	HCMW-7	HCMW-7	11/16/09	0.16 U																		
2010_02SIPMP	HCMW-7	HCMW-7	2/8/10	0.16 U																		
2010_05SIPMP	HCMW-7	HCMW-7	5/24/10	0.07 U																		
2010_08SIPMP	HCMW-7	HCMW-7	8/16/10	0.07 U																		
2010_11SIPMP	HCMW-7	HCMW-7	11/15/10	0.07 U																		
2011_02SIPMP	HCMW-7	HCMW-7	2/7/11	0.07 U																		
2011_05SIPMP	HCMW-7	HCMW-7	5/16/11	0.07 U																		
2011_08SIPMP	HCMW-7	HCMW-7	8/23/11	0.12 J																		
2011_11SIPMP	HCMW-7	HCMW-7	11/2/11	0.07 U																		
2012_02SIPMP	HCMW-7	HCMW-7	2/13/12	0.2 U																		
2012_05SIPMP	HCMW-7	HCMW-7	5/1/12	0.50 U																		
2012_08SIPMP	HCMW-7	HCMW-7	8/20/12	0.50 U																		
2012_11SIPMP	HCMW-7	HCMW-7	11/12/12	0.50 U																		
2013_02SIPMP	HCMW-7	HCMW-7	2/11/13	0.5 U																		
2013_06SIPMP	HCMW-7	HCMW-7	6/3/13	0.5 U																		
2013_08SIPMP	HCMW-7	HCMW-7	8/26/13	0.17 U																		
2007_SI	MW-2	MW-2	1/31/07	0.13 U	0.0042 U	0.0031 U	0.0023 U	0.0039 U	0.0039 U	0.0043 U	0.0046 U	0.0041 U	0.0051 U	0.0053 U	0.0036 U	0.0047 U	0.0036 U	0.0033 U	0.0065 U	0.0032 U	0.0047 U	ND
2007_SI	MW-2	MW-2	4/17/07	0.13 U	0.02 U	0.0031 U	0.0023 U	0.0039 U	0.0039 U	0.0043 U	0.0046 U	0.0041 U	0.0051 U	0.0053 U	0.0036 U	0.0047 U	0.0036 U	0.0033 U	0.0065 U	0.02 U	0.0047 U	ND
2007_SI	MW-2	MW-2	7/17/07	0.13 U	0.0025 J	0.0044 U	0.0034 U	0.0056 J	0.0026 U	0.0043 U	0.0023 U	0.0029 U	0.0025 U	0.0034 U	0.0025 U	0.0044 U	0.0038 U	0.0026 U	0.019 U	0.005 U	0.0035 U	0.0081
2007_SI	MW-2	MW-2	10/9/07	0.08 U	0.0064 J	0.0044 U	0.0034 U	0.0036 U	0.0026 U	0.0043 U	0.0023 U	0.0029 U	0.0025 U	0.0034 U	0.0025 U	0.0044 U	0.0038 U	0.0026 U	0.0039 J	0.005 U	0.0035 U	0.0103
2008_01	MW-2	MW-2	1/8/08	0.08 U	0.0091 J	0.0044 U	0.0034 U	0.0036 U	0.0026 U	0.0043 U	0.0023 U	0.0029 U	0.0025 U	0.0034 U	0.0025 U	0.0044 U	0.0038 U	0.0026 U	0.006 J	0.005 U	0.0035 U	0.0151
2008_SI	MW-2	MW-2	4/29/08	0.08 U	0.02 U	0.0044 U	0.0034 U	0.0036 U	0.0026 U	0.0043 U	0.0023 U	0.0029 U	0.0025 U	0.0034 U	0.0025 U	0.0044 U	0.0038 U	0.0026 U	0.02 U	0.005 U	0.0035 U	ND
2008_SI	MW-2	MW-2	7/29/08	0.08 U	0.019 U	0.0044 U	0.0034 U	0.0036 U	0.0026 U	0.0043 U	0.0023 U	0.0029 U	0.0025 U	0.0034 U	0.0025 U	0.0044 U	0.0038 U	0.0026 U	0.019 U	0.005 U	0.0035 U	ND
2008_SI	MW-2	MW-2	10/21/08	0.08 U	0.0023 U	0.0044 U	0.0034 U	0.0036 U	0.0026 U	0.0043 U	0.0023 U	0.0029 U	0.0025 U	0.0034 U	0.0025 U	0.0048 J	0.0038 U	0.0026 U	0.019 U	0.019 U	0.0035 U	0.0048
2009_SI	MW-2	MW-2	2/10/09	0.16 U	0.0023 U	0.0044 U	0.0034 U	0.0036 U	0.0026 U	0.0043 U	0.0023 U	0.0029 U	0.0025 U	0.0034 U	0.0025 U	0.0044 U	0.0038 U	0.0026 U	0.003 U	0.005 U	0.0035 U	ND
2009_SI	MW-2	MW-2	5/5/09	0.16 U	0.0023 U	0.0044 U	0.0034 U	0.0036 U	0.0026 U	0.0043 U	0.0023 U	0.0029 U	0.0025 U	0.0034 U	0.0025 U	0.0044 U	0.0038 U	0.0026 U	0.02 U	0.005 U	0.0035 U	ND
2009_SI	MW-2	MW-2	8/4/09	0.16 U	0.019 U	0.0044 U	0.0034 U	0.0036 U	0.0026 U	0.0043 U	0.0023 U	0.0029 U	0.0025 U	0.0034 U	0.0025 U	0.0044 U	0.0038 U	0.0026 U	0.019 U	0.005 U	0.0035 U	ND
2009_SI	MW-2	MW-2	11/17/09	0.16 U	0.02 U	0.0044 U	0.0034 U	0.0036 U	0.0026 U	0.0043 U	0.0023 U	0.0029 U	0.0025 U	0.0034 U	0.0025 U	0.0044 U	0.0038 U	0.0026 U	0.072 U	0.005 U	0.0035 U	ND
2010_02SIPMP	MW-2	MW-2	2/9/10	0.16 U	0.0023 U	0.0044 U	0.0034 U	0.0036 U	0.0026 U	0.0043 U	0.0023 U	0.0029 U	0.0025 U	0.0034 U	0.0025 U	0.0044 U	0.0038 U	0.0026 U	0.047	0.005 U	0.0035 U	0.047
2010_05SIPMP	MW-2	MW-2	5/25/10	0.07 U	0.0023 U	0.0044 U	0.0034 U	0.0036 U	0.02 U	0.0043 U	0.0023 U	0.0029 U	0.0025 U	0.0034 U	0.0025 U	0.0044 U	0.0038 U	0.0026 U	0.036 U	0.005 U	0.0035 U	ND
2010_08SIPMP	MW-2	MW-2	8/17/10	0.07 U	0.0023 U	0.0044 U	0.0034 U	0.0036 U	0.0026 U	0.0043 U	0.0023 U	0.0029 U	0.0025 U	0.0034 U	0.0025 U	0.0044 U	0.0038 U	0.0026 U	0.003 U	0.005 U	0.0035 U	ND
2010_11SIPMP	MW-2	MW-2	11/17/10	0.07 U	0.0023 U	0.0044 U	0.0034 U	0.0036 U	0.0026 U	0.0043 U	0.0023 U	0.0029 U	0.0025 U	0.0034 U	0.0025 U	0.0044 U	0.0038 U	0.0026 U	0.036 U	0.005 U	0.0035 U	ND
2011_02SIPMP	MW-2	MW-2	2/8/11	0.07 U	0.0023 U	0.0044 U	0.0034 U	0.0036 U	0.0026 U	0.0043 U	0.0023 U	0.0029 U	0.0025 U	0.0034 U	0.0025 U	0.0044 U	0.0038 U	0.0026 U	0.02 U	0.005 U	0.0035 U	ND
2011_05SIPMP	MW-2	MW-2	5/16/11	0.07 U	0.0023 U	0.0044 U	0.0034 U	0.0045 J	0.0026 U	0.0043 U	0.0023 U	0.0029 U	0.0025 U	0.0034 U	0.0025 U	0.0044 U	0.0038 U	0.0026 U	0.033 U	0.005 U	0.0035 U	0.0045
2011_08SIPMP	MW-2	MW-2	8/23/11	0.07 U	0.02 U	0.0044 U	0.0034 U	0.012 J	0.0026 U	0.0043 U	0.0023 U	0.0029 U	0.0025 U	0.0034 U	0.0025 U	0.0044 U	0.0038 U	0.0026 U	0.02 U	0.005 U	0.0035 U	0.012
2011_11SIPMP	MW-2	MW-2	11/2/11	0.07 U	0.02 U	0.0044 U	0.0034 U	0.0045 J	0.0026 U	0.0043 U	0.0023 U	0.0029 U	0.0025 U	0.0034 U	0.0025 U	0.0044 U	0.0038 U	0.0026 U	0.046 U	0.005 U	0.0035 U	0.0045
2012_02SIPMP	MW-2	MW-2	2/13/12	0.2 U	0.02 U	0.02 U	0.02 U	0.02 J	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.023	0.02 U	0.02 U	0.043
2012_05SIPMP	MW-2	MW-2	4/30/12	0.50 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.032	0.019 U	0.019 U	0.032
2012_08SIPMP	MW-2	MW-2	8/20/12	0.50 U	0.021 U	0.021 U	0.021 U	0.0058 J	0.021 U	0.021 U	0.021 U	0.021 U	0.021 U	0.021 U	0.021 U	0.021 U	0.021 U	0.021 U	0.099	0.021 U	0.021 U	0.1048
2012_11SIPMP	MW-2	MW-2	11/12/12	0.50 U	0.025	0.02 U	0.02 U	0.0055 J	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.004 J	0.02 U	0.0059 U	0.0086 U	0.02 U	0.0345
2013_02SIPMP	MW-2	MW-2	2/11/13	0.5 U	0.0063 J	0.019 U	0.019 U	0.0044 J	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.013 J	0.019 U	0.019 U	0.0237
2013_06SIPMP	MW-2	MW-2	6/3/13	0.5 U	0.0029 U	0.02 U	0.02 U	0.015 J	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.025 U	0.02 U	0.02 U	0.015
2013_08SIPMP	MW-2	MW-2	8/26/13	0.16 U	0.013 U	0.0044 U	0.0034 U	0.013 U	0.0026 U	0.0043 U	0.0041 U	0.0029 U	0.003 U	0.0034 U	0.0025 U	0.01 U	0.0038 U	0.0026 U	0.097	0.005 U	0.0053 U	0.097
2007_SI	MW-3	MW-3	1/31/07	19	0.0045 J	0.012 J	0.0023 U	0.0039 U	0.0039 U	0.0043 U	0.0046 U	0.0041 U	0.0051 U	0.0053 U	0.0036 U	0.0047 U	0.0036 U	0.0033 U	0.023 U	0.02 U	0.0047 U	0.0165
2007_SI	MW-3	MW-3	4/17/07	490	0.6	0.13	0.057	0.013 J	0.0039 U	0.0043 U	0.0046 U	0.0041 U	0.0051 U	0.0053 U	0.0036 U	0.0047 U	0.075	0.0033 U	2.7	0.02 U	0.0047 U	3.575
2007_SI	MW-3	MW-3	7/17/07	780	0.078 J	0.2	0.043	0.031	0.011 J	0.0064 J	0.01 J	0.019 U	0.003 J	0.012 J	0.0025 U	0.0081 J	0.083 J	0.019 U	0.84 J	0.0052 J	0.012 J	1.3427
2007_SI	MW-3	MW-3	10/9/07	1,100	0.0023 U	0.0044 U	0.0034 U	0.0036 U	0.0026 U	0.0043 U	0.0023 U	0.0029 U	0.0025 U	0.0034 U	0.0025 U	0.0044 U	0.0038 U	0.0026 U	0.0063 J	0.005 U	0.0035 U	0.0063
2008_01LF	MW-3	MW-3	1/9/08	480	0.019 U	0.041	0.0084 J	0.0036 U	0.0026 U	0.0043 U	0.0023 U	0.0029 U	0.0025 U	0.0034 U	0.0025 U	0.0044 U	0.017 J	0.0026 U	0.11	0.005 U	0.0035 U	0.1764
2008_03	MW-3	MW-3	2/26/08	2,700																		
2008_SI	MW-3	MW-3	4/29/08	1,200	1.3	0.51	0.14	0.034	0.0026 U	0.0043 U	0.0023 U	0.0029 U	0.0025 U	0.0034 U	0.0025 U	0.0044 U	0.36	0.0026 U	3.9	0.024	0.0035 U	6.268
2008_SI	MW-3	MW-3	7/29/08	1,800	1.2	0.66	0.15	0.077	0.0026 U	0.0043 U	0.0042 J	0.0029 J	0.0025 U	0.0034 U	0.0025 U	0.0044 U	1.1	0.02 U	6.5	0.048	0.0035 U	9.7421
2008_SI	MW-3	MW-3	10/21/08	1,700	1.2	1	0.22	0.044 U	0.0026 U	0.0043 U	0.0023 U	0.0029 U	0.0025 U	0.0034 U	0.0025 U	0.0044 U	1.5	0.0026 U	6	0.039 U	0.0035 U	9.92
2009_SI	MW-3	MW-3	2/10/09	0.16 U	0.0023 U	0.0044 U	0.0034 U	0.0036 U	0.0026 U	0.0043 U	0.0023 U	0.0029 U	0.0025 U	0.0034 U	0.0025 U	0.0044 U	0.0038 U	0.0026 U	0.02 U	0.005 U	0.0035 U	ND
2009_SI	MW-3	MW-3	5/5/09	4.4	0.0023 U	0.0044 U	0.0034 U	0.0036 U	0.0026 U	0.0043 U	0.0023 U	0.0029 U	0.0025 U	0.0034 U	0.0025 U	0.0044 U	0.0038 U	0.0026 U	0.02 U	0.005 U	0.0035 U	ND
2009_SI	MW-3	MW-3	8/4/09	1,100	0.019 U	0.0044 U	0.016 J	0.017 J	0.0026 U	0.0043 U	0.0023 U	0.0029 U	0.0025 U	0.0034 U	0.0025 U	0.0044 U	0.0038 U	0.0026 U	0.019 U	0.005 U	0.0035 U	0.033
2009_SI	MW-3	MW-3	11/17/09	2,400	0.86	1.2	0.3	0.04	0.0026 U	0.0043 U	0.0023 U	0.0029 U	0.0025 U	0.0034 U	0.0025 U	0.0044 U	2.2	0.0026 U	3.8	0.1	0.0035 U	8.5
2010_02SIPMP	MW-3	MW-3	2/9/10	0.39 J	0.02 U	0.0044 U	0.0034 U	0.0036 U	0.0026 U	0.0043 U	0.0023 U	0.0029 U	0.0025 U	0.0034 U	0.0025 U	0.0044 U	0.0038 U	0.0026 U	0.095	0.005 U	0.0035 U	0.095
2010_05SIPMP	MW-3	MW-3	5/25/10	0.45	0.0023 U	0.0044 U	0.0034 U	0.0042 J	0.02 U	0.0043 U	0.0023 U	0.0029 U	0.0025 U	0.0034 U	0.0025 U	0.0058 J	0.0038 U	0.0026 U	0.02 U	0.005 U	0.0041 J	0.0141
2010_08SIPMP	MW-3	MW-3	8/17/10	1.6	0.0023 U	0.0044 U	0.0034 U	0.0036 U	0.0026 U	0.0043 U	0.0023 U	0.0029 U	0.0025 U	0.0034 U	0.0025 U	0.0044 U	0.0038 U	0.0026 U	0.003 U	0.005 U	0.0035 U	ND
2010_11SIPMP	MW-3	MW-3	11/16/10	750	0.2	0.16	0.048	0.011 J	0.0026 U	0.0043 U	0.0023 U	0.0029 U	0.0025 U	0.0034 U	0.0025 U	0.0044 U	0.66	0.0026 U	0.56	0.11	0.0035 U	1.749
2011_02SIPMP	MW-3	MW-3	2/8/11	1.6	0.0023 U	0.0044 U	0.0034 U	0.004 J	0.0026 U	0.0043 U	0.0023 U	0.0029 U	0.0025 U	0.0034 U	0.0025 U	0.0044 U	0.0038 U	0.0026 U	0.02 U	0.005 U	0.0035 U	0.004
2011_05SIPMP	MW-3	MW-3	5/16/11	8.3	0.0023 U	0.0044 U	0.0034 U	0.0036 U	0.0026 U	0.0043 U	0.0023 U	0.0029 U	0.0025 U	0.0034 U	0.0025 U	0.0044 U	0.0038 U	0.0026 U	0.033 U	0.005 U	0.0035 U	ND

TABLE 4A
Summary of Groundwater Sampling Analytical Results - 2007 through Third Quarter 2013
Former J.H. Baxter Co. Wood Treating Facility
Arlington, Washington

Event	Station ID	Sample ID	Sample Date	Pentachlorophenol	2-Methylnaphthalene	Acenaphthene	Acenaphthylene	Anthracene	Benz(a)anthracene	Benzo(a)pyrene	Benzo(b)fluoranthene	Benzo(g,h,i)perylene	Benzo(k)fluoranthene	Chrysene	Dibenz(a,h)anthracene	Fluoranthene	Fluorene	Indeno(1,2,3-cd)pyrene	Naphthalene	Phenanthrene	Pyrene	Total PAH (calc)
				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	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
2011_08SIPMP	MW-3	MW-3	8/23/11	14	0.02 U	0.0044 U	0.0034 U	0.0036 U	0.0026 U	0.0043 U	0.0023 U	0.0029 U	0.0025 U	0.0034 U	0.0025 U	0.0044 U	0.0038 U	0.0026 U	0.02 U	0.005 U	0.0035 U	ND
2011_11SIPMP	MW-3	MW-3	11/2/11	12	0.0023 U	0.0044 U	0.0034 U	0.0036 U	0.0026 U	0.0043 U	0.0023 U	0.0029 U	0.0025 U	0.0034 U	0.0025 U	0.0044 U	0.0038 U	0.0026 U	0.034 U	0.005 U	0.0035 U	ND
2012_02SIPMP	MW-3	MW-3	2/14/12	14	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.024 U	0.02 U	0.02 U	ND
2012_05SIPMP	MW-3	MW-3	4/30/12	130	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.062	0.019 U	0.019 U	0.062
2012_08SIPMP	MW-3	MW-3	8/20/12	81	0.022 U	0.022 U	0.022 U	0.022 U	0.0034 J	0.022 U	0.022 U	0.022 U	0.022 U	0.022 U	0.022 U	0.022 U	0.022 U	0.022 U	0.08	0.022 U	0.022 U	0.0834
2012_11SIPMP	MW-3	MW-3	11/12/12	42	0.023	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.005 J	0.02 U	0.011 U	0.0071 U	0.02 U	0.028
2013_02SIPMP	MW-3	MW-3	2/11/13	110 J	0.0039 J	0.019 U	0.019 U	0.0068 J	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.013 J	0.019 U	0.019 U	0.0237
2013_06SIPMP	MW-3	MW-3	6/3/13	130	0.0025 U	0.02 U	0.02 U	0.0094 J	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.021 U	0.02 U	0.02 U	0.0094
2013_08SIPMP	MW-3	MW-3	8/25/13	85																		
2008_SI	MW-10	MW-10	4/29/08	0.08 U																		
2008_SI	MW-10	MW-10	7/29/08	0.08 U																		
2007_SI	MW-15	MW-15	2/2/07	270	0.02 U	0.0031 U	0.0086 J	0.0039 U	0.0039 U	0.0043 U	0.0046 U	0.0041 U	0.0051 U	0.0053 U	0.0036 U	0.0047 U	0.0036 U	0.0033 U	0.33	0.0032 U	0.0047 U	0.3386
2007_SI	MW-15	MW-15	4/19/07	200	0.02 U	0.0031 U	0.006 J	0.0078 J	0.0039 U	0.0043 U	0.0046 U	0.0041 U	0.0051 U	0.0053 U	0.0036 U	0.0047 U	0.0036 U	0.0033 U	0.31	0.0032 U	0.0047 U	0.3238
2007_SI	MW-15	MW-15	7/17/07	240	0.01 J	0.0044 U	0.0084 J	0.012 J	0.0026 U	0.0043 U	0.0023 U	0.019 U	0.0025 U	0.0034 U	0.0025 U	0.0044 U	0.0038 U	0.019 U	0.28	0.0056 J	0.0035 U	0.316
2007_SI	MW-15	MW-15	10/9/07	250	0.0068 J	0.0044 U	0.0055 J	0.0036 U	0.0026 U	0.0043 U	0.0023 U	0.0029 U	0.0025 U	0.0034 U	0.0025 U	0.0044 U	0.0038 U	0.0026 U	0.21	0.005 U	0.0035 U	0.2223
2008_01	MW-15	MW-15	1/8/08	200	0.013 J	0.0044 U	0.0081 J	0.0086 J	0.0026 U	0.0043 U	0.0023 U	0.0029 U	0.0025 U	0.0034 U	0.0025 U	0.0044 U	0.0038 U	0.0026 U	0.41	0.005 U	0.0035 U	0.4397
2008_SI	MW-15	MW-15	4/29/08	200	0.019 U	0.0044 U	0.0087 J	0.0036 U	0.0026 U	0.0043 U	0.0023 U	0.0029 U	0.0025 U	0.0034 U	0.0025 U	0.0044 U	0.0038 U	0.0026 U	0.52	0.005 U	0.0035 U	0.5287
2008_SI	MW-15	MW-15	7/29/08	190	0.019 U	0.0044 U	0.0076 J	0.0036 U	0.0026 U	0.0043 U	0.0023 U	0.0029 U	0.0025 U	0.0034 U	0.0025 U	0.0044 U	0.0038 U	0.0026 U	0.44	0.005 U	0.0035 U	0.4476
2008_SI	MW-15	MW-15	10/21/08	230	0.019 U	0.0044 U	0.01 J	0.01 J	0.0026 U	0.0043 U	0.0023 U	0.0029 U	0.0025 U	0.0034 U	0.0025 U	0.0044 U	0.0038 U	0.0026 U	0.5	0.005 U	0.0035 U	0.52
2009_SI	MW-15	MW-15	2/10/09	190	0.019 U	0.0055 J	0.0084 J	0.0036 U	0.0026 U	0.0043 U	0.0023 U	0.0029 U	0.0025 U	0.0034 U	0.0025 U	0.0044 U	0.0038 U	0.0026 U	0.49	0.005 U	0.0035 U	0.5039
2009_SI	MW-15	MW-15	5/5/09	98	0.02 U	0.0044 U	0.0055 J	0.0054 J	0.0026 U	0.0043 U	0.0023 U	0.0029 U	0.0025 U	0.0034 U	0.0025 U	0.0044 U	0.0038 U	0.0026 U	0.3	0.005 U	0.0035 U	0.3109
2009_SI	MW-15	MW-15	8/4/09	95	0.0023 U	0.0044 U	0.0039 J	0.0036 U	0.0026 U	0.0043 U	0.0023 U	0.0029 U	0.0025 U	0.0034 U	0.0025 U	0.0044 U	0.0038 U	0.0026 U	0.019 U	0.005 U	0.0035 U	0.0039
2009_SI	MW-15	MW-15	11/17/09	64	0.0023 U	0.0044 U	0.0034 U	0.0036 U	0.0026 U	0.0043 U	0.0023 U	0.0029 U	0.0025 U	0.0034 U	0.0025 U	0.0044 U	0.0038 U	0.0026 U	0.02 U	0.005 U	0.0035 U	ND
2010_02SIPMP	MW-15	MW-15	2/8/10	33	0.0023 U	0.0044 U	0.0034 U	0.0036 U	0.0026 U	0.0043 U	0.0023 U	0.0029 U	0.0025 U	0.0034 U	0.0025 U	0.0044 U	0.0038 U	0.0026 U	0.045	0.005 U	0.0035 U	0.045
2010_05SIPMP	MW-15	MW-15	5/24/10	0.07 U	0.0023 U	0.0044 U	0.0034 U	0.0036 U	0.019 U	0.0043 U	0.0023 U	0.0029 U	0.0025 U	0.0034 U	0.0025 U	0.0044 U	0.0038 U	0.0026 U	0.0045 J	0.005 U	0.0036 J	0.0081
2010_08SIPMP	MW-15	MW-15	8/17/10	0.07 U	0.0023 U	0.0044 U	0.0034 U	0.0036 U	0.0026 U	0.0043 U	0.0023 U	0.0029 U	0.0025 U	0.0034 U	0.0025 U	0.0044 U	0.0038 U	0.0026 U	0.0043 J	0.005 U	0.0035 U	0.0043
2010_11SIPMP	MW-15	MW-15	11/16/10	0.097 J	0.0023 U	0.0044 U	0.0034 U	0.0036 U	0.0026 U	0.0043 U	0.0023 U	0.0029 U	0.0025 U	0.0034 U	0.0025 U	0.0044 U	0.0038 U	0.0026 U	0.035 U	0.005 U	0.0035 U	ND
2011_02SIPMP	MW-15	MW-15	2/8/11	0.07 U	0.0023 U	0.0044 U	0.0034 U	0.0036 U	0.0026 U	0.0043 U	0.0023 U	0.0029 U	0.0025 U	0.0034 U	0.0025 U	0.0044 U	0.0038 U	0.0026 U	0.02 U	0.005 U	0.0035 U	ND
2011_05SIPMP	MW-15	MW-15	5/16/11	0.07 U	0.0023 U	0.0044 U	0.0034 U	0.0036 U	0.0026 U	0.0043 U	0.0023 U	0.0029 U	0.0025 U	0.0034 U	0.0025 U	0.0044 U	0.0038 U	0.0026 U	0.037 U	0.005 U	0.0035 U	ND
2011_08SIPMP	MW-15	MW-15	8/23/11	0.07 U	0.0023 U	0.0044 U	0.0034 U	0.0036 U	0.0026 U	0.0043 U	0.0023 U	0.0029 U	0.0025 U	0.0034 U	0.0025 U	0.0044 U	0.0038 U	0.0026 U	0.02 U	0.005 U	0.0035 U	ND
2011_11SIPMP	MW-15	MW-15	11/2/11	0.07 U	0.0023 U	0.0044 U	0.0034 U	0.0036 U	0.0026 U	0.0043 U	0.0023 U	0.0029 U	0.0025 U	0.0034 U	0.0025 U	0.0044 U	0.0038 U	0.0026 U	0.02 U	0.005 U	0.0035 U	ND
2012_02SIPMP	MW-15	MW-15	2/13/12	0.2 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.043	0.02 U	0.02 U	0.043
2012_05SIPMP	MW-15	MW-15	4/30/12	0.50 U	0.019 U	0.019 U	0.019 U	0.004 J	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.036	0.019 U	0.019 U	0.04
2012_08SIPMP	MW-15	MW-15	8/19/12	0.49 J	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.091	0.02 U	0.02 U	0.091
2012_11SIPMP	MW-15	MW-15	11/11/12	0.50 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.0058 U	0.019 U	0.019 U	ND
2013_02SIPMP	MW-15	MW-15	2/11/13	0.5 U	0.019 U	0.019 U	0.019 U	0.0038 J	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.012 J	0.019 U	0.019 U	0.0158
2013_06SIPMP	MW-15	MW-15	6/3/13	0.63	0.0027 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.04 U	0.02 U	0.02 U	ND
2013_08SIPMP	MW-15	MW-15	8/26/13	0.51 N	0.0023 U	0.0044 U	0.0034 U	0.004 U	0.0026 U	0.0043 U	0.0041 U	0.0029 U	0.003 U	0.0034 U	0.0025 U	0.01 U	0.0038 U	0.0026 U	0.061	0.005 U	0.0053 U	0.061
2007_SI	MW-16	MW-16	1/31/07	0.13 U	0.014 J	0.0031 U	0.0023 U	0.0039 U	0.0039 U	0.0043 U	0.0046 U	0.0041 U	0.0051 U	0.0053 U	0.0036 U	0.0047 U	0.0036 U	0.0033 U	0.025 U	0.02 U	0.0047 U	0.014
2007_SI	MW-16	MW-16	4/17/07	0.13 U	0.02 U	0.0031 U	0.0023 U	0.0039 U	0.0039 U	0.0043 U	0.0046 U	0.0041 U	0.0051 U	0.0053 U	0.0036 U	0.0047 U	0.0036 U	0.0033 U	0.02 U	0.02 U	0.0047 U	ND
2007_SI	MW-16	MW-16	7/16/07	0.13 U	0.0032 J	0.0044 U	0.0034 U	0.0036 U	0.0026 U	0.0043 U	0.0023 U	0.0029 U	0.0025 U	0.0034 U	0.0025 U	0.0044 U	0.0038 U	0.0026 U	0.019 U	0.005 U	0.0035 U	0.0032
2007_SI	MW-16	MW-16	10/9/07	0.08 U	0.0028 J	0.0044 U	0.0034 U	0.0036 U	0.0026 U	0.0043 U	0.0023 U	0.0029 U	0.0025 U	0.0034 U	0.0025 U	0.0044 U	0.0038 U	0.0026 U	0.0037 J	0.005 U	0.0035 U	0.0065
2008_01	MW-16	MW-16	1/8/08	0.08 U	0.0029 J	0.0044 U	0.0034 U	0.0036 U	0.0026 U	0.0043 U	0.0023 U	0.0029 U	0.0025 U	0.0034 U	0.0025 U	0.0044 U	0.0038 U	0.0026 U	0.0043 J	0.005 U	0.0035 U	0.0072
2008_SI	MW-16	MW-16	4/29/08	0.08 U	0.0023 U	0.0044 U	0.0034 U	0.0036 U	0.0026 U	0.0043 U	0.0023 U	0.0029 U	0.0025 U	0.0034 U	0.0025 U	0.0044 U	0.0038 U	0.0026 U	0.019 U	0.005 U	0.0035 U	ND
2008_SI	MW-16	MW-16	7/29/08	0.08 U	0.0023 U	0.0044 U	0.0034 U	0.0036 U	0.0026 U	0.0043 U	0.0023 U	0.0029 U	0.0025 U	0.0034 U	0.0025 U	0.0044 U	0.0038 U	0.0026 U	0.02 U	0.005 U	0.0035 U	ND
2008_SI	MW-16	MW-16	10/20/08	7.3	0.0023 U	0.0044 U	0.0034 U	0.0036 U	0.019 U	0.0043 U	0.0023 U	0.0029 U	0.0025 U	0.0034 U	0.0025 U	0.0044 U	0.0038 U	0.0026 U	0.0041 J	0.0067 J	0.0035 U	0.0108
2009_SI	MW-16	MW-16	2/10/09	0.16 U	0.0023 U	0.0044 U	0.0034 U	0.0036 U	0.0026 U	0.0043 U	0.0023 U	0.0029 U	0.0025 U	0.0034 U	0.0025 U	0.0044 U	0.0038 U	0.0026 U	0.003 U	0.005 U	0.0035 U	ND
2009_SI	MW-16	MW-16	5/4/09	0.16 U	0.0023 U	0.0044 U	0.0034 U	0.0036 U	0.0026 U	0.0043 U	0.0023 U	0.0029 U	0.0025 U	0.0034 U	0.0025 U	0.0044 U	0.0038 U	0.0026 U	0.02 U	0.005 U	0.0035 U	ND
2009_SI	MW-16	MW-16	8/4/09	0.16 U	0.0023 U	0.0044 U	0.0034 U	0.0036 U	0.02 U	0.0043 U	0.0023 U	0.0029 U	0.0025 U	0.0034 U	0.0025 U	0.0044 U	0.0038 U	0.0026 U	0.003 U	0.005 U	0.0035 U	ND
2009_SI	MW-16	MW-16	11/16/09	0.16 U	0.0023 U	0.0044 U	0.0034 U	0.0036 U	0.0026 U	0.0043 U	0.0023 U	0.0029 U	0.0025 U	0.0034 U	0.0025 U	0.0044 U	0.0038 U	0.0026 U	0.091 U	0.005 U	0.0035 U	ND
2010_02SIPMP	MW-16	MW-16	2/8/10	0.16 U	0.02 U	0.0044 U	0.0034 U	0.0036 U	0.0026 U	0.0043 U	0.0023 U	0.0029 U	0.0025 U	0.0034 U	0.0025 U	0.0044 U	0.0038 U	0.0026 U	0.043	0.005 U	0.0035 U	0.043
2010_05SIPMP	MW-16	MW-16	5/24/10	0.07 U	0.0023 U	0.0044 U	0.0034 U	0.0036 U	0.02 U	0.0043 U	0.0023 U	0.0029 U	0.0025 U	0.0034 U	0.0025 U	0.0044 U	0.0038 U	0.0026 U	0.036	0.005 U	0.0035 U	0.036
2010_08SIPMP	MW-16	MW-16	8/17/10	0.07 U	0.0023 U	0.0044 U	0.0034 U	0.0036 U	0.0026 U	0.0043 U	0.0023 U	0.0029 U	0.0025 U	0.0034 U	0.0025 U	0.0044 U	0.0038 U	0.0026 U	0.019 J	0.005 U	0.0035 U	0.019
2010_11SIPMP	MW-16	MW-16	11/16/10	0.07 U	0.0023 U	0.0044 U	0.0034 U	0.0036 U	0.0026 U	0.0043 U	0.0023 U	0.0029 U	0.0025 U	0.0034 U	0.0025 U	0.0044 U	0.0038 U	0.0026 U	0.025 U	0.005 U	0.0035 U	ND
2011_02SIPMP	MW-16	MW-16	2/7/11	0.07 U	0.0023 U	0.0044 U	0.0034 U	0.0036 U	0.0026 U	0.0043 U	0.0023 U	0.0029 U	0.0025 U	0.0034 U	0.0025 U	0.0044 U	0.0038 U	0.0026 U	0.021 U	0.005 U	0.0035 U	ND
2011_05SIPMP	MW-16	MW-16	5/16/11	0.07 U	0.0023 U	0.0044 U	0.0034 U	0.0036 U	0.0026 U	0.0043 U	0.0023 U	0.0029 U	0.0025 U	0.0034 U	0.0025 U	0.0044 U	0.0038 U	0.0026 U	0.02 U	0.005 U	0.0035 U	ND
2011_08SIPMP	MW-16	MW-16	8/23/11	0.07 U	0.0023 U	0.0044 U	0.0034 U	0.0036 U	0.0026 U	0.0043 U	0.0023 U	0.0029 U	0.0025 U	0.0034 U	0.0025 U	0.0044 U	0.0038 U	0.0026 U	0.02 U	0.005 U	0.0035 U	ND
2011_11SIPMP	MW-16	MW-16	11/1/11	0.07 U	0.0023 U	0.0044 U	0.0034 U	0.0036 U	0.0026 U	0.0043 U	0.0023 U	0.0029 U	0.0025 U	0.0034 U	0.0025 U	0.0044 U	0.0038 U	0.0026 U	0.046 U	0.005 U	0.0035 U	ND
2012_02SIPMP	MW-16	MW-16	2/13/12	0.2 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.048	0.02 U	0.02 U	0.048
2012_05SIPMP	MW-16	MW-16	4/30/12	0.5 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.014 J	0.019 U	0.019 U	0.014
2012_08SIPMP	MW-16	MW-16	8/19/12	0.5 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.004 J	0.019 U	0.019 U	0.004
2012_11SIPMP	MW-16	MW-16	11/12/12	0.5 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.024 U	0.019 U	0.019 U	ND
2013_02SIPMP	MW-16	MW-16	2/10/13	0.5 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.0097 J	0.019 U	0.019 U	0.0097
2013_06SIPMP	MW-16	MW-16	6/2/13	0.5 U	0.0031 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.043	0.02 U	0.02 U	0.043
2013_08SIPMP	MW-16	MW-16	8/26/13	0.16 U	0.0023 U	0.0044 U	0.0034 U	0.0036 U	0.0026 U	0.0043 U	0.0041 U	0.0029 U	0.003 U	0.0034 U	0.0025 U	0.01 U	0.0038 U	0.0026 U	0.13	0.005 U	0.0053 U	0.13

TABLE 4A
Summary of Groundwater Sampling Analytical Results - 2007 through Third Quarter 2013
Former J.H. Baxter Co. Wood Treating Facility
Arlington, Washington

Event	Station ID	Sample ID	Sample Date	Pentachlorophenol	2-Methylnaphthalene	Acenaphthene	Acenaphthylene	Anthracene	Benz(a)anthracene	Benzo(a)pyrene	Benzo(b)fluoranthene	Benzo(g,h,i)perylene	Benzo(k)fluoranthene	Chrysene	Dibenz(a,h)anthracene	Fluoranthene	Fluorene	Indeno(1,2,3-cd)pyrene	Naphthalene	Phenanthrene	Pyrene	Total PAH (calc)
				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	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
2007_SI	MW-17	MW-17	2/2/07	0.13 U	0.02 U	0.0031 U	0.0023 U	0.0039 U	0.0039 U	0.0043 U	0.0046 U	0.0041 U	0.0051 U	0.0053 U	0.0036 U	0.0047 U	0.0036 U	0.0033 U	0.02 U	0.02 U	0.0047 U	ND
2007_SI	MW-17	MW-17	4/17/07	0.13 U	0.02 U	0.0031 U	0.0023 U	0.0039 U	0.0039 U	0.0043 U	0.0046 U	0.0041 U	0.0051 U	0.0053 U	0.0036 U	0.0047 U	0.0036 U	0.0033 U	0.02 U	0.02 U	0.0047 U	ND
2007_SI	MW-17	MW-17	7/17/07	0.13 U	0.004 J	0.0044 U	0.0034 U	0.0036 U	0.0026 U	0.0043 U	0.0023 U	0.0029 U	0.0025 U	0.0034 U	0.0025 U	0.0044 U	0.0038 U	0.0026 U	0.019 U	0.005 U	0.0035 U	0.004
2007_SI	MW-17	MW-17	10/9/07	0.08 U	0.0047 J	0.0044 U	0.0034 U	0.0036 U	0.0026 U	0.0043 U	0.0023 U	0.0029 U	0.0025 U	0.0034 U	0.0025 U	0.0044 U	0.0038 U	0.0026 U	0.0054 J	0.005 U	0.0035 U	0.0101
2008_01	MW-17	MW-17	1/8/08	0.08 U	0.0043 J	0.0044 U	0.0034 U	0.0036 U	0.0026 U	0.0043 U	0.0023 U	0.0029 U	0.0025 U	0.0034 U	0.0025 U	0.0044 U	0.0038 U	0.0026 U	0.0036 J	0.005 U	0.0035 U	0.0079
2008_SI	MW-17	MW-17	4/29/08	0.08 U	0.0023 U	0.0044 U	0.0034 U	0.0036 U	0.0026 U	0.0043 U	0.0023 U	0.0029 U	0.0025 U	0.0034 U	0.0025 U	0.0044 U	0.0038 U	0.0026 U	0.019 U	0.005 U	0.0035 U	ND
2008_SI	MW-17	MW-17	7/28/08	0.08 U	0.0023 U	0.0044 U	0.0034 U	0.0036 U	0.0026 U	0.0043 U	0.0023 U	0.0029 U	0.0025 U	0.0034 U	0.0025 U	0.0044 U	0.0038 U	0.0026 U	0.003 U	0.005 U	0.0035 U	ND
2008_SI	MW-17	MW-17	10/21/08	0.08 U	0.0023 U	0.0044 U	0.0034 U	0.0036 U	0.0026 U	0.0043 U	0.0023 U	0.0029 U	0.0025 U	0.0034 U	0.0025 U	0.0044 U	0.0038 U	0.0026 U	0.019 U	0.005 U	0.0035 U	ND
2009_SI	MW-17	MW-17	2/9/09	0.16 U	0.019 U	0.0044 U	0.0034 U	0.0036 U	0.0026 U	0.0043 U	0.0023 U	0.0029 U	0.0025 U	0.0034 U	0.0025 U	0.0044 U	0.0038 U	0.0026 U	0.003 U	0.005 U	0.0035 U	ND
2009_SI	MW-17	MW-17	5/5/09	0.16 U	0.0023 U	0.0044 U	0.0034 U	0.0036 U	0.0026 U	0.0043 U	0.0023 U	0.0029 U	0.0025 U	0.0034 U	0.0025 U	0.0044 U	0.0038 U	0.0026 U	0.019 U	0.005 U	0.0035 U	ND
2009_SI	MW-17	MW-17	8/3/09	0.16 U	0.0023 U	0.0044 U	0.0034 U	0.0036 U	0.019 U	0.0043 U	0.0023 U	0.0029 U	0.0025 U	0.0034 U	0.0025 U	0.0044 U	0.0038 U	0.0026 U	0.048 U	0.005 U	0.0035 U	ND
2009_SI	MW-17	MW-17	11/17/09	0.16 U	0.0023 U	0.0044 U	0.0034 U	0.0036 U	0.0026 U	0.0043 U	0.0023 U	0.0029 U	0.0025 U	0.0034 U	0.0025 U	0.0044 U	0.0038 U	0.0026 U	0.073 U	0.005 U	0.0035 U	ND
2010_02SIPMP	MW-17	MW-17	2/8/10	0.16 U	0.0023 U	0.0044 U	0.0034 U	0.0036 U	0.0026 U	0.0043 U	0.0023 U	0.0029 U	0.0025 U	0.0034 U	0.0025 U	0.0044 U	0.0038 U	0.0026 U	0.05	0.005 U	0.0035 U	0.05
2010_05SIPMP	MW-17	MW-17	5/24/10	0.07 U	0.0023 U	0.0044 U	0.0034 U	0.0036 U	0.019 U	0.0043 U	0.0023 U	0.0029 U	0.0025 U	0.0034 U	0.0025 U	0.0044 U	0.0038 U	0.0026 U	0.036	0.0059 U	0.0039 J	0.0399
2010_08SIPMP	MW-17	MW-17	8/16/10	0.07 U	0.0031 J	0.0044 U	0.0034 U	0.0036 U	0.0026 U	0.0043 U	0.0023 U	0.0029 U	0.0025 U	0.0034 U	0.0025 U	0.0044 U	0.0038 U	0.0026 U	0.003 U	0.005 U	0.0035 U	0.0031
2010_11SIPMP	MW-17	MW-17	11/16/10	0.07 U	0.02 U	0.0044 U	0.0034 U	0.0036 U	0.0026 U	0.0043 U	0.0023 U	0.0029 U	0.0025 U	0.0034 U	0.0025 U	0.0044 U	0.0038 U	0.0026 U	0.033 U	0.005 U	0.0035 U	ND
2011_02SIPMP	MW-17	MW-17	2/8/11	0.07 U	0.0023 U	0.0044 U	0.0034 U	0.0036 U	0.0026 U	0.0043 U	0.0023 U	0.0029 U	0.0025 U	0.0034 U	0.0025 U	0.0044 U	0.0038 U	0.0026 U	0.02 U	0.005 U	0.0035 U	ND
2011_05SIPMP	MW-17	MW-17	5/16/11	0.07 U	0.0023 U	0.0044 U	0.0034 U	0.0036 U	0.0026 U	0.0043 U	0.0023 U	0.0029 U	0.0025 U	0.0034 U	0.0025 U	0.0044 U	0.0038 U	0.0026 U	0.02 U	0.005 U	0.0035 U	ND
2011_08SIPMP	MW-17	MW-17	8/23/11	0.07 U	0.0023 U	0.0044 U	0.0034 U	0.0036 U	0.0026 U	0.0043 U	0.0023 U	0.0029 U	0.0025 U	0.0034 U	0.0025 U	0.0044 U	0.0038 U	0.0026 U	0.02 U	0.005 U	0.0035 U	ND
2011_11SIPMP	MW-17	MW-17	11/2/11	0.07 U	0.0023 U	0.0044 U	0.0034 U	0.0036 U	0.0026 U	0.0043 U	0.0023 U	0.0029 U	0.0025 U	0.0034 U	0.0025 U	0.0044 U	0.0038 U	0.0026 U	0.049 U	0.005 U	0.0035 U	ND
2012_02SIPMP	MW-17	MW-17	2/12/12	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.045	0.02 U	0.02 U	0.045
2012_05SIPMP	MW-17	MW-17	4/30/12	0.50 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019	0.019 U	0.019 U	0.019
2012_08SIPMP	MW-17	MW-17	8/19/12	0.50 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.074	0.02 U	0.02 U	0.074
2012_11SIPMP	MW-17	MW-17	11/11/12	0.50 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.022 U	0.019 U	0.019 U	ND
2013_02SIPMP	MW-17	MW-17	2/10/13	0.5 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.0075 J	0.019 U	0.019 U	0.0075
2013_06SIPMP	MW-17	MW-17	6/3/13		0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.035 U	0.02 U	0.02 U	ND
2013_08SIPMP	MW-17	MW-17	8/26/13	0.16 U	0.0027 U	0.0044 U	0.0034 U	0.0036 U	0.0026 U	0.0043 U	0.0041 U	0.0029 U	0.003 U	0.0034 U	0.0025 U	0.01 U	0.0038 U	0.0026 U	0.12	0.005 U	0.0053 U	0.12
2007_SI	MW-18	MW-18	2/2/07	0.13 U	0.02 U	0.0031 U	0.0023 U	0.0039 U	0.0039 U	0.0043 U	0.0046 U	0.0041 U	0.0051 U	0.0053 U	0.0036 U	0.0047 U	0.0036 U	0.0033 U	0.02 U	0.02 U	0.0047 U	ND
2007_SI	MW-18	MW-18	4/17/07	0.13 U	0.031 U	0.0031 U	0.0023 U	0.0039 U	0.0039 U	0.0043 U	0.0046 U	0.0041 U	0.0051 U	0.0053 U	0.0036 U	0.0047 U	0.0036 U	0.0033 U	0.02 U	0.0032 U	0.0047 U	ND
2007_SI	MW-18	MW-18	7/16/07	0.13 U	0.0058 J	0.0044 U	0.0034 U	0.0036 U	0.0026 U	0.0043 U	0.0023 U	0.019 U	0.0025 U	0.0034 U	0.0025 U	0.0044 U	0.0038 U	0.0026 U	0.061	0.005 U	0.0035 U	0.0668
2007_SI	MW-18	MW-18	10/8/07	0.08 U	0.0023 U	0.0044 U	0.0034 U	0.0036 U	0.0026 U	0.0043 U	0.0023 U	0.0029 U	0.0025 U	0.0034 U	0.0025 U	0.0044 U	0.0038 U	0.0026 U	0.0033 J	0.005 U	0.0035 U	0.0033
2008_01	MW-18	MW-18	1/7/08	0.08 U	0.0023 U	0.0049 J	0.0034 U	0.0036 U	0.0026 U	0.0043 U	0.0023 U	0.0029 U	0.0025 U	0.0034 U	0.0025 U	0.0044 U	0.0038 U	0.0026 U	0.0035 J	0.005 U	0.0035 U	0.0084
2008_SI	MW-18	MW-18	4/28/08	0.08 U	0.0023 U	0.0044 U	0.0034 U	0.0036 U	0.0026 U	0.0043 U	0.0023 U	0.0029 U	0.0025 U	0.0034 U	0.0025 U	0.0044 U	0.0038 U	0.0026 U	0.019 U	0.005 U	0.0035 U	ND
2008_SI	MW-18	MW-18	7/28/08	0.08 U	0.0023 U	0.0044 U	0.0034 U	0.0036 U	0.0026 U	0.0043 U	0.0023 U	0.0029 U	0.0025 U	0.0034 U	0.0025 U	0.0044 U	0.0038 U	0.0026 U	0.003 U	0.005 U	0.0035 U	ND
2008_SI	MW-18	MW-18	10/20/08	0.08 U	0.0023 U	0.0044 U	0.0034 U	0.0036 U	0.0026 U	0.0043 U	0.0023 U	0.0029 U	0.0025 U	0.0034 U	0.0025 U	0.0044 U	0.0038 U	0.0026 U	0.0033 J	0.005 U	0.0035 U	0.0033
2009_SI	MW-18	MW-18	2/10/09	0.16 U	0.0023 U	0.0044 U	0.0034 U	0.0036 U	0.0026 U	0.0043 U	0.0023 U	0.0029 U	0.0025 U	0.0034 U	0.0025 U	0.0044 U	0.0038 U	0.0026 U	0.003 U	0.005 U	0.0035 U	ND
2009_SI	MW-18	MW-18	5/4/09	0.16 U	0.0023 U	0.0044 U	0.0034 U	0.0036 U	0.0026 U	0.0043 U	0.0023 U	0.0029 U	0.0025 U	0.0034 U	0.0025 U	0.0044 U	0.0038 U	0.0026 U	0.019 U	0.005 U	0.0035 U	ND
2009_SI	MW-18	MW-18	8/3/09	0.16 U	0.0023 U	0.0044 U	0.0034 U	0.0036 U	0.019 U	0.0043 U	0.0023 U	0.0029 U	0.0025 U	0.0034 U	0.0025 U	0.0044 U	0.0038 U	0.0026 U	0.019 U	0.005 U	0.0035 U	ND
2009_SI	MW-18	MW-18	11/18/09	0.16 U	0.0023 U	0.0044 U	0.0034 U	0.0036 U	0.0026 U	0.0043 U	0.0023 U	0.0029 U	0.0025 U	0.0034 U	0.0025 U	0.0044 U	0.0038 U	0.0026 U	0.085 U	0.005 U	0.0035 U	ND
2010_02SIPMP	MW-18	MW-18	2/8/10	0.16 U	0.0023 U	0.0044 U	0.0034 U	0.0036 U	0.0026 U	0.0043 U	0.0023 U	0.0029 U	0.0025 U	0.0034 U	0.0025 U	0.0071 U	0.0038 U	0.0026 U	0.02 U	0.005 U	0.0035 U	ND
2010_05SIPMP	MW-18	MW-18	5/24/10	0.07 U	0.0023 U	0.0044 U	0.0034 U	0.0036 U	0.019 U	0.0043 U	0.0023 U	0.0029 U	0.0025 U	0.0034 U	0.0025 U	0.0044 U	0.0038 U	0.0026 U	0.034	0.005 U	0.0035 U	0.034
2010_08SIPMP	MW-18	MW-18	8/16/10	0.07 U	0.0023 U	0.0044 U	0.0034 U	0.0036 U	0.0026 U	0.0043 U	0.0023 U	0.0029 U	0.0025 U	0.0034 U	0.0025 U	0.0044 U	0.0038 U	0.0026 U	0.003 U	0.005 U	0.0035 U	ND
2010_11SIPMP	MW-18	MW-18	11/15/10	0.07 U	0.0023 U	0.0044 U	0.0034 U	0.0036 U	0.0026 U	0.0043 U	0.0023 U	0.0029 U	0.0025 U	0.0034 U	0.0025 U	0.0044 U	0.0038 U	0.0026 U	0.02 U	0.005 U	0.0035 U	ND
2011_02SIPMP	MW-18	MW-18	2/7/11	0.07 U	0.0023 U	0.0044 U	0.0034 U	0.0036 U	0.0026 U	0.0043 U	0.0023 U	0.0029 U	0.0025 U	0.0034 U	0.0025 U	0.0044 U	0.0038 U	0.0026 U	0.02 U	0.005 U	0.0035 U	ND
2011_05SIPMP	MW-18	MW-18	5/16/11	0.07 U	0.0023 U	0.0044 U	0.0034 U	0.0036 U	0.0026 U	0.0043 U	0.0023 U	0.0029 U	0.0025 U	0.0034 U	0.0025 U	0.0044 U	0.0038 U	0.0026 U	0.031 U	0.005 U	0.0035 U	ND
2011_08SIPMP	MW-18	MW-18	8/23/11	0.07 U	0.0023 U	0.0044 U	0.0034 U	0.0036 U	0.0026 U	0.0043 U	0.0023 U	0.0029 U	0.0025 U	0.0034 U	0.0025 U	0.0044 U	0.0038 U	0.0026 U	0.02 U	0.005 U	0.0035 U	ND
2011_11SIPMP	MW-18	MW-18	11/2/11	0.07 U	0.0023 U	0.0044 U	0.0034 U	0.0036 U	0.0026 U	0.0043 U	0.0023 U	0.0029 U	0.0025 U	0.0034 U	0.0025 U	0.0044 U	0.0038 U	0.0026 U	0.047 U	0.005 U	0.0035 U	ND
2012_02SIPMP	MW-18	MW-18	2/13/12	0.2 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 J	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.024	0.02 U	0.02 U	0.044
2012_05SIPMP	MW-18	MW-18	5/1/12	0.5 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.13	0.019 U	0.019 U	0.13
2012_08SIPMP	MW-18	MW-18	8/20/12	0.5 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.036	0.019 U	0.019 U	0.036
2012_11SIPMP	MW-18	MW-18	11/12/12	0.5 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.014 U	0.019 U	0.019 U	ND
2013_02SIPMP	MW-18	MW-18	2/11/13	0.5 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.021 J	0.019 U	0.019 U	0.021
2013_06SIPMP	MW-18	MW-18	6/3/13	0.5 U	0.0045 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.051 U	0.02 U	0.02 U	ND
2013_08SIPMP	MW-18	MW-18	8/26/13	0.16 U	0.0023 U	0.0044 U	0.0034 U	0.0036 U	0.0026 U	0.0043 U	0.0041 U	0.0029 U	0.003 U	0.0034 U	0.0025 U	0.01 U	0.0038 U	0.0026 U	0.10	0.005 U	0.0053 U	0.10
2008_01	MW-22	MW-22	1/10/08	130																		
2008_03	MW-22	MW-22	2/27/08	72																		
2008_SI	MW-22	MW-22	4/29/08	92																		
2008_SI	MW-22	MW-22	7/29/08	32																		
2008_SI	MW-22	MW-22	10/21/08	15																		
2009_SI	MW-22	MW-22	2/11/09	5.5																		
2009_SI	MW-22	MW-22	5/5/09	3.6																		
2009_SI	MW-22	MW-22	8/4/09	4.4																		
2009_SI	MW-22	MW-22	11/17/09	5.4																		
2010_02SIPMP	MW-22	MW-22	2/9/10	3.9																		
2010_05SIPMP	MW-22	MW-22	5/25/10	13																		

TABLE 4A
Summary of Groundwater Sampling Analytical Results - 2007 through Third Quarter 2013
Former J.H. Baxter Co. Wood Treating Facility
Arlington, Washington

Event	Station ID	Sample ID	Sample Date	Pentachlorophenol	2-Methylnaphthalene	Acenaphthene	Acenaphthylene	Anthracene	Benz(a)anthracene	Benzo(a)pyrene	Benzo(b)fluoranthene	Benzo(g,h,i)perylene	Benzo(k)fluoranthene	Chrysene	Dibenz(a,h)anthracene	Fluoranthene	Fluorene	Indeno(1,2,3-cd)pyrene	Naphthalene	Phenanthrene	Pyrene	Total PAH (calc)
				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	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
2010_08SIPMP	MW-22	MW-22	8/18/10	51 J																		
2010_11SIPMP	MW-22	MW-22	11/17/10	98																		
2011_02SIPMP	MW-22	MW-22	2/9/11	130																		
2011_05SIPMP	MW-22	MW-22	5/17/11	150																		
2011_08SIPMP	MW-22	MW-22	8/23/11	220																		
2011_11SIPMP	MW-22	MW-22	11/2/11	230																		
2012_02SIPMP	MW-22	MW-22	2/13/12	300																		
2012_05SIPMP	MW-22	MW-22	4/30/12	280																		
2012_08SIPMP	MW-22	MW-22	8/20/12	280																		
2012_11SIPMP	MW-22	MW-22	11/12/12	250																		
2013_02SIPMP	MW-22	MW-22	2/11/13	180 J																		
2013_06SIPMP	MW-22	MW-22	6/3/13	160																		
2013_08SIPMP	MW-22	MW-22	8/25/13	130																		
2008_01	MW-23	MW-23	1/10/08	500																		
2008_03	MW-23	MW-23	2/27/08	450																		
2008_SI	MW-23	MW-23	4/29/08	210																		
2008_SI	MW-23	MW-23	7/29/08	210																		
2008_SI	MW-23	MW-23	10/21/08	63																		
2009_SI	MW-23	MW-23	2/11/09	170																		
2009_SI	MW-23	MW-23	5/5/09	140																		
2009_SI	MW-23	MW-23	8/4/09	70																		
2009_SI	MW-23	MW-23	11/17/09	8.6																		
2010_02SIPMP	MW-23	MW-23	2/9/10	85																		
2010_05SIPMP	MW-23	MW-23	5/25/10	150																		
2010_08SIPMP	MW-23	MW-23	8/18/10	210																		
2010_11SIPMP	MW-23	MW-23	11/17/10	210																		
2011_02SIPMP	MW-23	MW-23	2/8/11	340																		
2011_05SIPMP	MW-23	MW-23	5/17/11	380																		
2011_08SIPMP	MW-23	MW-23	8/23/11	410																		
2011_11SIPMP	MW-23	MW-23	11/2/11	400																		
2012_02SIPMP	MW-23	MW-23	2/13/12	620																		
2012_05SIPMP	MW-23	MW-23	4/30/12	580																		
2012_08SIPMP	MW-23	MW-23	8/20/12	450																		
2012_11SIPMP	MW-23	MW-23	11/12/12	400																		
2013_02SIPMP	MW-23	MW-23	2/11/13	420 J																		
2013_06SIPMP	MW-23	MW-23	6/3/13	440																		
2013_08SIPMP	MW-23	MW-23	8/25/13	470																		
2008_01	MW-24	MW-24	1/10/08	180																		
2008_03	MW-24	MW-24	2/27/08	96																		
2008_SI	MW-24	MW-24	4/29/08	0.08 U																		
2008_SI	MW-24	MW-24	7/29/08	0.08 U																		
2008_SI	MW-24	MW-24	10/21/08	2.2																		
2009_SI	MW-24	MW-24	2/11/09	0.16 U																		
2009_SI	MW-24	MW-24	5/5/09	0.16 U																		
2009_SI	MW-24	MW-24	8/4/09	0.35																		
2009_SI	MW-24	MW-24	11/17/09	0.36 J																		
2010_02SIPMP	MW-24	MW-24	2/9/10	3.3																		
2010_05SIPMP	MW-24	MW-24	5/25/10	0.17 J																		
2010_08SIPMP	MW-24	MW-24	8/17/10	0.14 J																		
2010_11SIPMP	MW-24	MW-24	11/17/10	0.27 J																		
2011_02SIPMP	MW-24	MW-24	2/9/11	2.8																		
2011_05SIPMP	MW-24	MW-24	5/17/11	13																		
2011_08SIPMP	MW-24	MW-24	8/23/11	70																		
2011_11SIPMP	MW-24	MW-24	11/2/11	5.6																		
2012_02SIPMP	MW-24	MW-24	2/14/12	58																		
2012_05SIPMP	MW-24	MW-24	4/30/12	380																		
2012_08SIPMP	MW-24	MW-24	8/20/12	170																		
2012_11SIPMP	MW-24	MW-24	11/12/12	0.5 U																		
2013_02SIPMP	MW-24	MW-24	2/11/13	230 J																		
2013_02SIPMP	MW-24	MW-44	2/11/13	280 J																		
2013_06SIPMP	MW-24	MW-24	6/3/13	540																		
2013_06SIPMP	MW-24	MW-44	6/3/13	480																		
2013_08SIPMP	MW-24	MW-24	8/25/13	95																		
2013_08SIPMP	MW-24	MW-44	8/25/13	87																		
2008_01	MW-25	MW-25	1/10/08	230																		

TABLE 4A
Summary of Groundwater Sampling Analytical Results - 2007 through Third Quarter 2013
Former J.H. Baxter Co. Wood Treating Facility
Arlington, Washington

Event	Station ID	Sample ID	Sample Date	Pentachlorophenol	2-Methylnaphthalene	Acenaphthene	Acenaphthylene	Anthracene	Benz(a)anthracene	Benzo(a)pyrene	Benzo(b)fluoranthene	Benzo(g,h,i)perylene	Benzo(k)fluoranthene	Chrysene	Dibenz(a,h)anthracene	Fluoranthene	Fluorene	Indeno(1,2,3-cd)pyrene	Naphthalene	Phenanthrene	Pyrene	Total PAH (calc)
				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	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
2008_03	MW-25	MW-25	2/27/08	550																		
2008_SI	MW-25	MW-25	4/29/08	240																		
2008_SI	MW-25	MW-25	7/29/08	84																		
2008_SI	MW-25	MW-25	10/21/08	57																		
2009_SI	MW-25	MW-25	2/11/09	30																		
2009_SI	MW-25	MW-25	5/5/09	28																		
2009_SI	MW-25	MW-25	8/4/09	20																		
2009_SI	MW-25	MW-25	11/17/09	15																		
2010_02SIPMP	MW-25	MW-25	2/9/10	41																		
2010_05SIPMP	MW-25	MW-25	5/25/10	36																		
2010_08SIPMP	MW-25	MW-25	8/18/10	37																		
2010_11SIPMP	MW-25	MW-25	11/17/10	16																		
2011_02SIPMP	MW-25	MW-25	2/9/11	53																		
2011_05SIPMP	MW-25	MW-25	5/17/11	3,200																		
2011_08SIPMP	MW-25	MW-25	8/23/11	470																		
2011_11SIPMP	MW-25	MW-25	11/3/11	310																		
2012_02SIPMP	MW-25	MW-25	2/14/12	390																		
2012_05SIPMP	MW-25	MW-25	4/30/12	2,800																		
2012_08SIPMP	MW-25	MW-25	8/20/12	810																		
2012_11SIPMP	MW-25	MW-25	11/12/12	430																		
2013_02SIPMP	MW-25	MW-25	2/11/13	1,700 J																		
2013_06SIPMP	MW-25	MW-25	6/3/13	2,100																		
2013_08SIPMP	MW-25	MW-25	8/25/13	670																		
2008_01	MW-26	MW-26	1/9/08	0.08 U																		
2008_03	MW-26	MW-26	2/27/08	0.17 J																		
2008_SI	MW-26	MW-26	4/29/08	0.08 U																		
2008_SI	MW-26	MW-26	7/29/08	0.08 U																		
2008_SI	MW-26	MW-26	10/21/08	0.61 U																		
2009_SI	MW-26	MW-26	2/11/09	0.16 U																		
2009_SI	MW-26	MW-26	5/5/09	0.16 U																		
2009_SI	MW-26	MW-26	8/4/09	0.16 U																		
2009_SI	MW-26	MW-26	11/17/09	0.16 U																		
2010_02SIPMP	MW-26	MW-26	2/9/10	0.16 U																		
2010_05SIPMP	MW-26	MW-26	5/25/10	0.07 U																		
2010_08SIPMP	MW-26	MW-26	8/18/10	0.089 J																		
2010_11SIPMP	MW-26	MW-26	11/17/10	0.076 J																		
2011_02SIPMP	MW-26	MW-26	2/9/11	0.07 U																		
2011_05SIPMP	MW-26	MW-26	5/18/11	0.07 U																		
2011_08SIPMP	MW-26	MW-26	8/24/11	0.07 U																		
2011_11SIPMP	MW-26	MW-26	11/2/11	0.14 J																		
2012_02SIPMP	MW-26	MW-26	2/13/12	0.16 NJ																		
2012_05SIPMP	MW-26	MW-26	4/30/12	0.16 J																		
2012_08SIPMP	MW-26	MW-26	8/20/12	0.5 U																		
2012_11SIPMP	MW-26	MW-26	11/12/12	0.5 U																		
2013_02SIPMP	MW-26	MW-26	2/11/13	0.19 J																		
2013_06SIPMP	MW-26	MW-26	6/3/13	0.5 U																		
2013_08SIPMP	MW-26	MW-26	8/25/13	0.27 J																		
2008_01	MW-27	MW-27	1/10/08	0.48																		
2008_03	MW-27	MW-27	2/27/08	0.08 U																		
2008_SI	MW-27	MW-27	4/29/08	0.18 J																		
2008_SI	MW-27	MW-27	7/29/08	0.08 U																		
2008_SI	MW-27	MW-27	10/21/08	0.23 U																		
2009_SI	MW-27	MW-27	2/11/09	0.16 U																		
2009_SI	MW-27	MW-27	5/5/09	0.16 U																		
2009_SI	MW-27	MW-27	8/4/09	0.16 U																		
2009_SI	MW-27	MW-27	11/17/09	0.16 U																		
2010_02SIPMP	MW-27	MW-27	2/9/10	0.16 U																		
2010_05SIPMP	MW-27	MW-27	5/25/10	0.07 U																		
2010_08SIPMP	MW-27	MW-27	8/18/10	0.07 U																		
2010_11SIPMP	MW-27	MW-27	11/17/10	0.27 J																		
2011_02SIPMP	MW-27	MW-27	2/9/11	0.07 J																		
2011_05SIPMP	MW-27	MW-27	5/18/11	0.07 U																		
2011_08SIPMP	MW-27	MW-27	8/24/11	0.07 U																		
2011_11SIPMP	MW-27	MW-27	11/2/11	0.07 U																		
2012_02SIPMP	MW-27	MW-27	2/13/12	0.2 U																		

TABLE 4A
Summary of Groundwater Sampling Analytical Results - 2007 through Third Quarter 2013
Former J.H. Baxter Co. Wood Treating Facility
Arlington, Washington

Event	Station ID	Sample ID	Sample Date	Pentachlorophenol	2-Methylnaphthalene	Acenaphthene	Acenaphthylene	Anthracene	Benz(a)anthracene	Benzo(a)pyrene	Benzo(b)fluoranthene	Benzo(g,h,i)perylene	Benzo(k)fluoranthene	Chrysene	Dibenz(a,h)anthracene	Fluoranthene	Fluorene	Indeno(1,2,3-cd)pyrene	Naphthalene	Phenanthrene	Pyrene	Total PAH (calc)
				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	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
2012_05SIPMP	MW-27	MW-27	4/30/12	0.5 U																		
2012_08SIPMP	MW-27	MW-27	8/20/12	0.5 U																		
2012_11SIPMP	MW-27	MW-27	11/12/12	0.5 U																		
2013_02SIPMP	MW-27	MW-27	2/11/13	0.5 U																		
2013_06SIPMP	MW-27	MW-27	6/3/13	0.5 U																		
2013_08SIPMP	MW-27	MW-27	8/25/13	0.3 N																		
2008_01	MW-28	MW-28	1/9/08	0.75																		
2008_03	MW-28	MW-28	2/26/08	0.76																		
2008_SI	MW-28	MW-28	4/29/08	0.22																		
2008_SI	MW-28	MW-28	7/28/08	0.08 U																		
2008_SI	MW-28	MW-28	10/21/08	0.08 U																		
2009_SI	MW-28	MW-28	2/11/09	0.16 U																		
2009_SI	MW-28	MW-28	5/5/09	0.16 U																		
2009_SI	MW-28	MW-28	8/4/09	0.16 U																		
2009_SI	MW-28	MW-28	11/17/09	0.31 J																		
2010_02SIPMP	MW-28	MW-28	2/9/10	0.16 U																		
2010_05SIPMP	MW-28	MW-28	5/25/10	0.33																		
2010_08SIPMP	MW-28	MW-28	8/17/10	0.48																		
2010_11SIPMP	MW-28	MW-28	11/17/10	0.87																		
2011_02SIPMP	MW-28	MW-28	2/10/11	2.6																		
2011_05SIPMP	MW-28	MW-28	5/18/11	3.6 J																		
2011_08SIPMP	MW-28	MW-28	8/24/11	10																		
2011_11SIPMP	MW-28	MW-28	11/3/11	12																		
2012_02SIPMP	MW-28	MW-28	2/14/12	22																		
2012_05SIPMP	MW-28	MW-28	4/30/12	59																		
2012_08SIPMP	MW-28	MW-28	8/20/12	40																		
2012_11SIPMP	MW-28	MW-28	11/12/12	43																		
2013_02SIPMP	MW-28	MW-28	2/11/13	64 J																		
2013_06SIPMP	MW-28	MW-28	6/3/13	34																		
2013_08SIPMP	MW-28	MW-28	8/26/13	21																		
2008_01	MW-29	MW-29	1/10/08	1,600																		
2008_03	MW-29	MW-29	2/26/08	730																		
2008_SI	MW-29	MW-29	4/28/08	0.08 U																		
2008_SI	MW-29	MW-29	7/28/08	0.08 U																		
2008_SI	MW-29	MW-29	10/20/08	7.5																		
2009_SI	MW-29	MW-29	2/11/09	0.16 U																		
2009_SI	MW-29	MW-29	5/5/09	0.16 U																		
2009_SI	MW-29	MW-29	8/4/09	0.16 U																		
2009_SI	MW-29	MW-29	11/17/09	0.16 U																		
2010_02SIPMP	MW-29	MW-29	2/9/10	0.16 U																		
2010_05SIPMP	MW-29	MW-29	5/24/10	0.07 U																		
2010_08SIPMP	MW-29	MW-29	8/17/10	0.099 J																		
2010_11SIPMP	MW-29	MW-29	11/17/10	0.087 J																		
2011_02SIPMP	MW-29	MW-29	2/8/11	0.07 U																		
2011_05SIPMP	MW-29	MW-29	5/17/11	0.12 J																		
2011_08SIPMP	MW-29	MW-29	8/23/11	0.11 J																		
2011_11SIPMP	MW-29	MW-29	11/2/11	0.23 J																		
2012_02SIPMP	MW-29	MW-29	2/13/12	0.32																		
2012_05SIPMP	MW-29	MW-29	4/30/12	0.5 U																		
2012_08SIPMP	MW-29	MW-29	8/20/12	0.22 J																		
2012_11SIPMP	MW-29	MW-29	11/12/12	2																		
2013_02SIPMP	MW-29	MW-29	2/11/13	16 J																		
2013_06SIPMP	MW-29	MW-29	6/3/13	1.6																		
2013_08SIPMP	MW-29	MW-29	8/26/13	41																		
2008_01	MW-30	MW-30	1/10/08	0.08 U																		
2008_03	MW-30	MW-30	2/26/08	0.18 J																		
2008_SI	MW-30	MW-30	4/28/08	0.08 U	0.0023 U	0.0044 U	0.0034 U	0.0036 U	0.0026 U	0.0043 U	0.0023 U	0.0029 U	0.0025 U	0.0034 U	0.0025 U	0.0044 U	0.0038 U	0.0026 U	0.019 U	0.005 U	0.0035 U	ND
2008_SI	MW-30	MW-30	7/28/08	0.08 U	0.0023 U	0.0044 U	0.0034 U	0.0036 U	0.0026 U	0.0043 U	0.0023 U	0.0029 U	0.0025 U	0.0034 U	0.0025 U	0.0044 U	0.0038 U	0.0026 U	0.019 U	0.005 U	0.007 J	0.007
2008_SI	MW-30	MW-30	10/21/08	0.08 U	0.019 U	0.0086 J	0.0034 U	0.0036 U	0.0034 J	0.0043 U	0.0023 U	0.0029 U	0.0025 U	0.0034 U	0.0025 U	0.0044 J	0.019 U	0.0026 U	0.026 U	0.024 U	0.0042 J	0.0206
2009_SI	MW-30	MW-30	2/11/09	0.16 U	0.019 U	0.0044 U	0.0034 U	0.0036 U	0.0026 U	0.0043 U	0.0023 U	0.0029 U	0.0025 U	0.0034 U	0.0025 U	0.0044 U	0.0038 U	0.0026 U	0.019 U	0.005 U	0.0035 U	ND
2009_SI	MW-30	MW-30	5/4/09	0.16 U	0.019 U	0.0044 U	0.0034 U	0.0036 U	0.0028 J	0.0043 U	0.0023 U	0.0029 U	0.0025 U	0.0034 U	0.0025 U	0.0044 U	0.0044 J	0.0026 U	0.05 U	0.0054 J	0.0035 U	0.0126
2009_SI	MW-30	MW-30	8/3/09	0.16 U	0.019 U	0.0044 U	0.0034 U	0.0036 U	0.0026 U	0.0043 U	0.0023 U	0.0029 U	0.0025 U	0.0034 U	0.0025 U	0.0044 U	0.0038 U	0.0026 U	0.024 U	0.005 U	0.0035 U	ND
2009_SI	MW-30	MW-30	11/16/09	0.16 U	0.0023 U	0.0044 U	0.0034 U	0.0036 U	0.0026 U	0.0043 U	0.0023 U	0.0029 U	0.0025 U	0.0034 U	0.0025 U	0.0044 U	0.0038 U	0.0026 U	0.011 U	0.005 U	0.0035 U	ND
2010_02SIPMP	MW-30	MW-30	2/8/10	0.16 U	0.0042 U	0.0044 U	0.0034 U	0.0036 U	0.0026 U	0.0043 U	0.0023 U	0.0029 U	0.0025 U	0.0034 U	0.0025 U	0.0091 U	0.0038 U	0.0026 U	0.039	0.005 U	0.0035 U	0.039
2010_05SIPMP	MW-30	MW-30	5/24/10	0.07 U	0.0064 J	0.0044 U	0.0034 U	0.0036 U	0.019 U	0.0043 U	0.0023 U	0.0049 J	0.0025 U	0.0034 U	0.0025 U	0.0044 U	0.0038 U	0.0043 J	0.013 J	0.005 U	0.0042 J	0.0328

TABLE 4A
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Former J.H. Baxter Co. Wood Treating Facility
Arlington, Washington

Event	Station ID	Sample ID	Sample Date	Pentachlorophenol	2-Methylnaphthalene	Acenaphthene	Acenaphthylene	Anthracene	Benz(a)anthracene	Benzo(a)pyrene	Benzo(b)fluoranthene	Benzo(g,h,i)perylene	Benzo(k)fluoranthene	Chrysene	Dibenz(a,h)anthracene	Fluoranthene	Fluorene	Indeno(1,2,3-cd)pyrene	Naphthalene	Phenanthrene	Pyrene	Total PAH (calc)
				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	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
2010_08SIPMP	MW-30	MW-30	8/17/10	0.12 J	0.0023 U	0.0044 U	0.0034 U	0.0036 U	0.0026 U	0.0043 U	0.0023 U	0.0029 U	0.0025 U	0.0034 U	0.0025 U	0.0044 U	0.0038 U	0.0026 U	0.031	0.005 U	0.0035 U	0.031
2010_11SIPMP	MW-30	MW-30	11/16/10	0.07 U	0.043 U	0.0044 U	0.0034 U	0.0036 U	0.0026 U	0.0043 U	0.0023 U	0.0029 U	0.0025 U	0.0034 U	0.0025 U	0.0044 U	0.0038 U	0.0026 U	0.072	0.005 U	0.0035 U	0.072
2011_02SIPMP	MW-30	MW-30	2/8/11	0.14 J	0.02 U	0.0044 U	0.0034 U	0.0036 U	0.0032 J	0.0043 U	0.0023 U	0.0029 U	0.0025 U	0.0034 U	0.0025 U	0.0044 U	0.0038 U	0.0026 U	0.021 U	0.005 U	0.0035 U	0.0032
2011_05SIPMP	MW-30	MW-30	5/16/11	0.07 U	0.02 U	0.0044 U	0.0034 U	0.0036 U	0.0026 U	0.0043 U	0.0023 U	0.0029 U	0.0025 U	0.0034 U	0.0025 U	0.0044 U	0.0038 U	0.0026 U	0.02 U	0.005 U	0.0035 U	ND
2011_08SIPMP	MW-30	MW-30	8/23/11	0.07 U																		
2011_11SIPMP	MW-30	MW-30	11/2/11	0.07 U	0.02 U	0.0044 U	0.0034 U	0.0036 U	0.0026 U	0.0043 U	0.0023 U	0.0029 U	0.0025 U	0.0034 U	0.0025 U	0.0044 U	0.0038 U	0.0026 U	0.037 U	0.005 U	0.0035 U	ND
2012_02SIPMP	MW-30	MW-30	2/13/12	0.2 U	0.0056 J	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.019 J	0.02 U	0.02 U	0.0246
2012_05SIPMP	MW-30	MW-30	5/1/12	0.5 U	0.0049 J	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.0044 J	0.019 U	0.023	0.019 U	0.019 U	0.0323
2012_08SIPMP	MW-30	MW-30	8/19/12	0.5 U	0.0043 J	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.04	0.019 U	0.019 U	0.0443
2012_11SIPMP	MW-30	MW-30	11/12/12	0.5 U	0.0043 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.021 U	0.019 U	0.019 U	ND
2013_02SIPMP	MW-30	MW-30	2/10/13	0.5 U	0.0037 J	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.014 J	0.019 U	0.019 U	0.0177
2013_06SIPMP	MW-30	MW-30	6/2/13	0.5 U	0.0047 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.022 U	0.02 U	0.02 U	ND
2013_08SIPMP	MW-30	MW-30	8/26/13	0.18 U	0.0048 U	0.0044 U	0.0034 U	0.0036 U	0.0026 U	0.0043 U	0.0041 U	0.0029 U	0.003 U	0.0034 U	0.0025 U	0.01 U	0.0038 U	0.0026 U	0.10	0.0051 J	0.0053 U	0.11
2008_01	MW-31	MW-31	1/9/08	0.08 U																		
2008_03	MW-31	MW-31	2/26/08	0.35																		
2008_SI	MW-31	MW-31	4/28/08	0.39																		
2008_SI	MW-31	MW-31	7/28/08	0.18 J																		
2008_SI	MW-31	MW-31	10/21/08	0.42 U																		
2009_SI	MW-31	MW-31	2/11/09	0.33																		
2009_SI	MW-31	MW-31	5/5/09	0.46																		
2009_SI	MW-31	MW-31	8/3/09	0.16 U																		
2009_SI	MW-31	MW-31	11/17/09	0.16 U																		
2010_02SIPMP	MW-31	MW-31	2/8/10	0.16 U																		
2010_05SIPMP	MW-31	MW-31	5/24/10	0.083 J																		
2010_08SIPMP	MW-31	MW-31	8/16/10	0.07 U																		
2010_11SIPMP	MW-31	MW-31	11/16/10	0.36 J																		
2011_02SIPMP	MW-31	MW-31	2/8/11	0.32																		
2011_05SIPMP	MW-31	MW-31	5/16/11	0.61																		
2011_08SIPMP	MW-31	MW-31	8/23/11	0.085 J																		
2011_11SIPMP	MW-31	MW-31	11/2/11	0.084 J																		
2012_02SIPMP	MW-31	MW-31	2/13/12	0.2 U																		
2012_05SIPMP	MW-31	MW-31	5/1/12	0.50 U																		
2012_08SIPMP	MW-31	MW-31	8/19/12	0.50 U																		
2012_11SIPMP	MW-31	MW-31	11/11/12	0.50 U																		
2013_02SIPMP	MW-31	MW-31	2/11/13	0.5 U																		
2013_06SIPMP	MW-31	MW-31	6/3/13	0.5 U																		
2013_08SIPMP	MW-31	MW-31	8/26/13	0.25 J																		
2008_01	MW-32	MW-32	1/10/08	1,700																		
2008_03	MW-32	MW-32	2/27/08	120																		
2008_SI	MW-32	MW-32	4/29/08	180																		
2008_SI	MW-32	MW-32	7/29/08	290																		
2008_SI	MW-32	MW-32	10/21/08	390																		
2009_SI	MW-32	MW-32	2/11/09	200																		
2009_SI	MW-32	MW-32	5/5/09	950																		
2009_SI	MW-32	MW-32	8/4/09	1,000																		
2009_SI	MW-32	MW-32	11/17/09	1,200																		
2010_02SIPMP	MW-32	MW-32	2/9/10	810																		
2010_05SIPMP	MW-32	MW-32	5/25/10	800																		
2010_08SIPMP	MW-32	MW-32	8/18/10	700																		
2010_11SIPMP	MW-32	MW-32	11/17/10	1,000																		
2011_02SIPMP	MW-32	MW-32	2/9/11	140																		
2011_05SIPMP	MW-32	MW-32	5/17/11	83																		
2011_08SIPMP	MW-32	MW-32	8/23/11	170																		
2011_11SIPMP	MW-32	MW-32	11/3/11	700																		
2012_02SIPMP	MW-32	MW-32	2/14/12	3,400																		
2012_05SIPMP	MW-32	MW-32	4/30/12	94																		
2012_08SIPMP	MW-32	MW-32	8/20/12	76																		
2012_11SIPMP	MW-32	MW-32	11/12/12	1,500																		
2013_02SIPMP	MW-32	MW-32	2/11/13	83 J																		
2013_06SIPMP	MW-32	MW-32	6/3/13	150																		
2013_08SIPMP	MW-32	MW-32	8/25/13	570																		
2008_01	MW-33	MW-33	1/10/08	50																		
2008_03	MW-33	MW-33	2/26/08	400																		
2008_SI	MW-33	MW-33	4/29/08	3																		
2008_SI	MW-33	MW-33	7/29/08	140																		

TABLE 4D
Analytical Results for Pentachlorophenol and Breakdown Products from Extraction Well Samples
Former J.H. Baxter Co. Wood Treating Facility
Arlington, Washington

Sample ID	Sample Date	2,4,5-Trichloro-phenol	2,4,6-Trichloro-phenol	2,3,4,6-Tetrachloro-phenol	2,3,5,6-Tetrachloro-phenol	Pentachloro-phenol
		8270D SIM	8270D SIM	8270D SIM	8270D SIM	8270D SIM
		µg/L	µg/L	µg/L	µg/L	µg/L
EW-1	2/11/2010	1.0 U	1.0 U	7.5	2.4	200
EW-2	2/11/2010	1.0 U	1.0 U	30	4.6	640
EW-3	2/11/2010	1.0 U	1.0 U	40	4.2	1,400
EW-4	2/11/2010	1.0 U	1.0 U	5.7	1.0 U	450
EW-5	2/11/2010	1.0 U	1.0 U	1.0 U	1.0 U	5.0 U
EW-6	2/11/2010	1.0 U	1.0 U	1.0 U	1.0 U	5.0 U
EW-7	2/11/2010	1.0 U	1.0 U	1.0 U	1.0 U	5.2 U

Notes:
µg/L = micrograms per liter
U = Undetected above the listed detection limit

TABLE 5
Bacteriological Analysis Results for Heterotrophic Plate Count
Former J.H. Baxter Co. Wood Treating Facility
Arlington, Washington

Sample ID	Sample Date	Heterotrophic Plate Count SM 9215B CFU/mL	Comment
EW 1-7	5/25/2010	1	Analyzed by Spectra Laboratories, Tacoma, WA
MW-3	5/25/2010	ND	Analyzed by Spectra Laboratories, Tacoma, WA
MW-3	11/16/2010	1 U	Analyzed by Edge Analytical Laboratories, Burlington, WA
EW 1-6	12/7/2010	95	Analyzed by Edge Analytical Laboratories, Burlington, WA

Notes:
CFU/mL = Colony forming units per milliliter
ND = Not detected
U = Undetected above the listed detection limit

TABLE 4

CONCENTRATIONS OF PCP AND PCP DEGRADATION PRODUCTS IN EXTRACTION WELL COMPOSITE SAMPLES

Former J.H. Baxter & Co. Wood Treating Facility
Arlington, Washington

Concentrations shown in micrograms per liter (µg/L)

Analyte	8/20/2012[2]	11/12/2012[3]	2/11/2013[3]	6/4/2013[4]	8/27/2013[4]
Pentachlorophenol	550 D	690	820	590	530
2,4,5-Trichlorophenol	ND	ND	ND	ND	--
2,4,6-Trichlorophenol	ND	ND	ND	ND	--
2,3,4,6-Tetrachlorophenol	--	--	--	--	--
2,3,5,6-Tetrachlorophenol	--	--	--	--	--
3,4-Dichlorophenol	--	--	--	--	--
3,5-Dichlorophenol	--	--	--	--	--
Total Tetrachlorophenols[1]	ND	ND	ND	ND	18 J

Notes

1. Total tetrachlorophenols comprises multiple tetrachlorophenol isomers, including 2,3,4,6-tetrachlorophenol and 2,3,5,6-tetrachlorophenol.
2. EPA method 8151M; the composite sample does not include groundwater from EW-1 or EW-5 through EW-7. Extraction wells EW-1, EW-5, and EW-6 were shut down due to a recurring high water level condition in the infiltration trench.
3. EPA method 8151M; sample contains water from EW-2, EW-3, and EW-4.
4. EPA method 8151M; sample contains water from EW-2 and EW-4.

Abbreviations

EPA = US Environmental Protection Agency
ND = not detected at method detection limit
PCP = pentachlorophenol
J = The result is an estimated value.
-- = Analysis not performed for constituent.

TABLE 4C
Analytical Results for Pentachlorophenol and Breakdown Products from Extraction Well Composite Samples
Former J.H. Baxter Co. Wood Treating Facility
Arlington, Washington

Sample ID	Sample Date	2,4,5-Trichloro-phenol		2,4,6-Trichloro-phenol		2,3,4,6-Tetrachloro-phenol		2,3,5,6-Tetrachloro-phenol		Total Tetrachlorophenols		3,4-Dichlorophenol		3,5-Dichlorophenol		Pentachloro-phenol		Comment
		8270C SIM		8270C SIM		8270C SIM		8270C SIM		8151M		8151M		8151M		8151A		
		µg/L		µg/L		µg/L		µg/L		µg/L		µg/L		µg/L		µg/L		
EWCOMP030509	3/5/2009	1.0	U	1.0	U	15.0		2.0								430		
EWCOMP040209	4/2/2009	1.0	U	1.0	U	15.0		2.5								180		
EWCOMP052609	5/26/2009	1.1	U	1.1	U	12.0		2.0								240		
EWCOMP070709	7/7/2009	1.0	U	1.0	U	9.1		1.2								190		
EW-1-EW-7	8/5/2009	0.98	U	0.98	U	8.9		1.3								240		PCP from Method 8270D
EWCOMP082709	8/27/2009	1.0	U	1.0	U	7.1		1.0								180		
EWCOMP093009	9/30/2009	1.0	U	1.0	U	9.4		1.4								230		EW 1- EW 6 only
EW-1-EW-6	11/19/2009	0.96	U	0.96	U	10.0		1.9								450		EW 1- EW 6 only; analysis by 8270D SIM
EWCOMP122809	12/28/2009	1.0	U	1.0	U	15.0		1.8								490		EW 1- EW 6 only; analysis by 8270D SIM
EWCOMP12610	1/26/2010	0.99	U	0.99	U	16.0		1.8								470		EW 1- EW 6 only; analysis by 8270D SIM
EW1-7	2/11/2010	1.1	U	1.1	U	8.9		1.2								270		Analysis by 8270D SIM
EWCOMP32410	3/24/2010	1.0	U	1.0	U	13.0		1.6								340		Analysis by 8270D SIM
EWCOMP42910	4/30/2010	1.1	U	1.1	U	11.0		1.4								320		Analysis by 8270D
EW1-7	5/27/2010	0.96	U	0.96	U	5.2		1.0								110		Analysis by 8270D
EWCOMP63010	6/30/2010	1.1	U	1.1	U	11.0		1.8								320		EW1-EW3 & EW5-EW7, Analysis by 8270D SIM
EW1-7	8/19/2010	0.95	U	0.95	U	13.0		2.0								300		Analysis by 8270D
EW1-6	12/7/2010	0.97	U	0.97	U	9.5		1.5								540		Analysis by 8270D
Extraction Well Composite	2/12/2011	0.96	U	0.96	U	32.0		10.0								560		EW 1- EW 6 only; Analysis by 8270D
EW1-4 Composite	5/18/2011	0.099	U	0.06	J					12	U	0.5	U	0.74	U	320		EW 1- EW 4 only; Analysis by 8151M
EW1-4	8/25/2011	0.099	U	0.13	J					28						710		EW 1- EW 4 only; Analysis by 8151M
EW1-4	11/3/2011	0.099	U	0.11	J					33	U					710		EW 1- EW 4 only; Analysis by 8151M
EW1-4	2/14/2012	0.099	U	0.11	J					19	Ui					650		EW 1- EW 4 only; Analysis by 8151M
EW1-4	5/3/2012	1.000	U	0.16	NJ					39	J					770		EW 1- EW 4 only; Analysis by 8151M
EW2-4 COMP	8/20/2012	1.000	U	0.50	U					26	U					550		EW 2- EW 4 only; Analysis by 8151M
EW 1-4 COMP	11/12/2012	1.0	U	0.50	U					27	U					690		EW 2- EW 4 only; Analysis by 8151M
EW 1-4 COMP	2/11/2013	1.0	U	0.5	U					39	U					820	J	EW 2- EW 4 only; Analysis by 8151M
EW 1-4 COMP	6/4/2013	1.0	U	0.50	U					2.4	U					590		EW 2- EW 4 only; Analysis by 8151M
EW 1-4 COMP	8/26/2013	0.19	U	0.14	U					18	J					530		EW 2- EW 4 only; Analysis by 8151M

Notes:

µg/L = micrograms per liter

D = The reported result is from a dilution

U = Undetected above the listed detection limit

i = The MRL/MDL is elevated due to a chromatographic interference

J = Estimated value between PQL and MDL

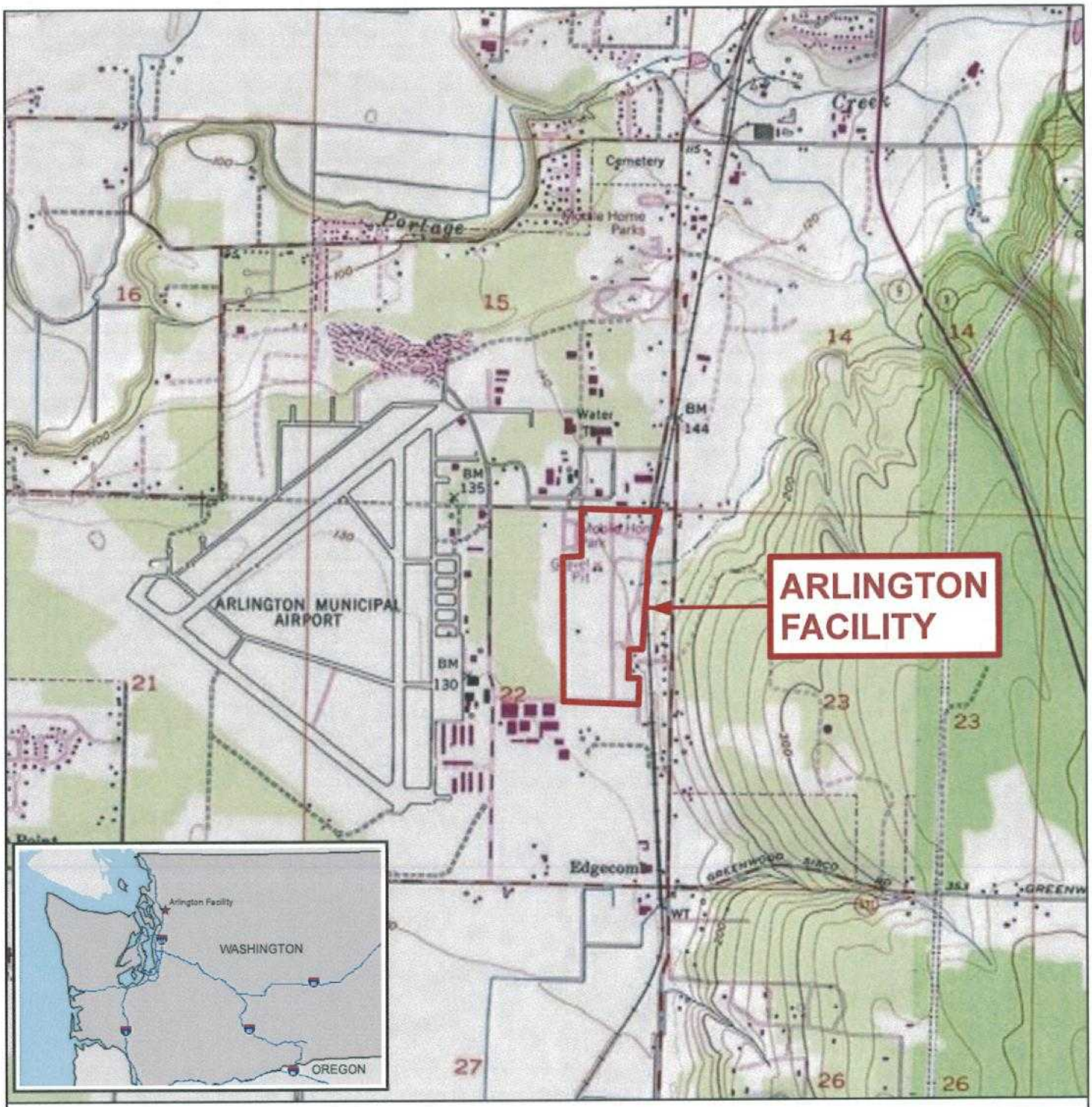
NJ = The analysis indicates the presence of an analyte that has been tentatively identified and the associated numerical value represents its approximate concentration.

TABLE 6
Light Non-aqueous Phase Liquid (LNAPL) Recovery
Former J.H. Baxter Co. Wood Treating Facility
Arlington, Washington

Date	Well ID	Weight (lbs)			Volume (Gallons)
		Total	Material	LNAPL	
4/7/2008	MW-12	2.24	0.53	1.71	0.20
6/2/2008	MW-12	2.34	0.53	1.81	0.22
7/28/2008	MW-12	2.14	0.54	1.60	0.19
9/26/2008	MW-12	1.90	0.46	1.44	0.17
11/24/2008	MW-12	2.22	0.54	1.68	0.20
1/7/2009	MW-13	2.12	0.56	1.56	0.19
3/5/2009	MW-12	2.35	0.64	1.71	0.20
4/1/2009	MW-12	2.58	0.64	1.94	0.23
5/27/2009	MW-12	2.76	0.68	2.08	0.25
11//19/2009	MW-12	NA	NA	1.82	0.22
12/28/2009	MW-12	2.64	0.66	1.98	0.24
1/25/2010	MW-12	2.48	0.64	1.84	0.22
3/23/2010	MW-12	2.6	0.66	1.94	0.23
4/28/2010	MW-12	2.68	0.64	2.04	0.24
6/29/2010	MW-12	2.52	0.64	1.88	0.22
10/19/2010	MW-13	1.49	0.64	0.85	0.10
10/19/2010	MW-12	1.8	0.64	1.16	0.14
2/10/2011	MW-12	2.19	0.56	1.63	0.19
5/18/2011	MW-12	2.56	0.64	1.92	0.23
5/18/2011	MW-13	1.9	0.45	1.45	0.17
5/18/2011	MW-19	1.8	0.63	1.17	0.14
5/18/2011	MW-21	1.59	0.58	1.01	0.12
8/24/2011	MW-12	2.07	0.63	1.44	0.17
11/3/2011	MW-12	2.27	0.61	1.66	0.20
2/15/2012	MW-12	1.89	0.64	1.25	0.15
5/2/2012	MW-12	2.45	0.64	1.81	0.22
8/20/2012	MW-12	1.08	0.47	0.61	0.07
11/13/2012	MW-12	NC	NC	0.00	0.00
2/12/2013	MW-12	2.38	0.41	1.97	0.23
6/3/2013	MW-12	1.91	0.58	1.33	0.16
8/26/2013	MW-12	0.93	0.2	0.73	0.09
TOTAL				**47.02**	**5.61**

Notes:
NC - No Change, water level low

FIGURES

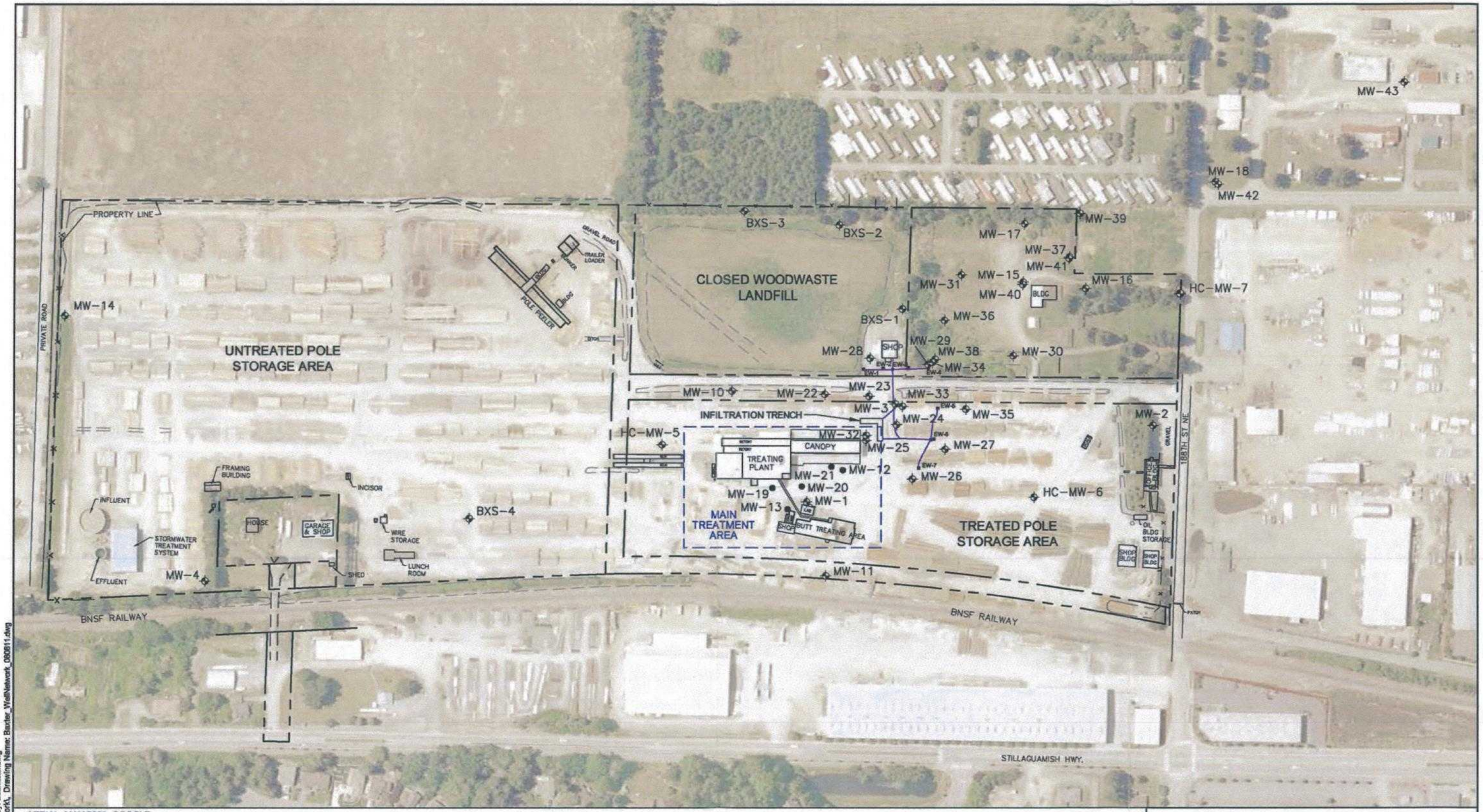


0 1,000 2,000 4,000 Feet

N

AMEC 7376 SW Durham Road Portland, OR, U.S.A. 97224	amec	J.Baxter	CLIENT: J.H. BAXTER	
TITLE: SITE VICINITY MAP		DWN BY: PM	DATUM: NAD83	DATE: MAY 2013
PROJECT: FORMER J.H. BAXTER AND CO. WOOD TREATING FACILITY ARLINGTON, WA		CHK'D BY: SB	REV. NO.: 1	PROJECT NO.: 161M125610
		PROJECTION: WA SP N. Ft.	SCALE: 1 inch = 2,000 feet	FIGURE No.: 1

K:\12000\12500\12561\125611\DWG\4Q2012\Figure 1 - Site Vicinity Map.mxd - patrick.mccarthy - 5/7/2013 - 8:04:39 AM



AERIAL: MAY 2009, GOOGLE

LEGEND

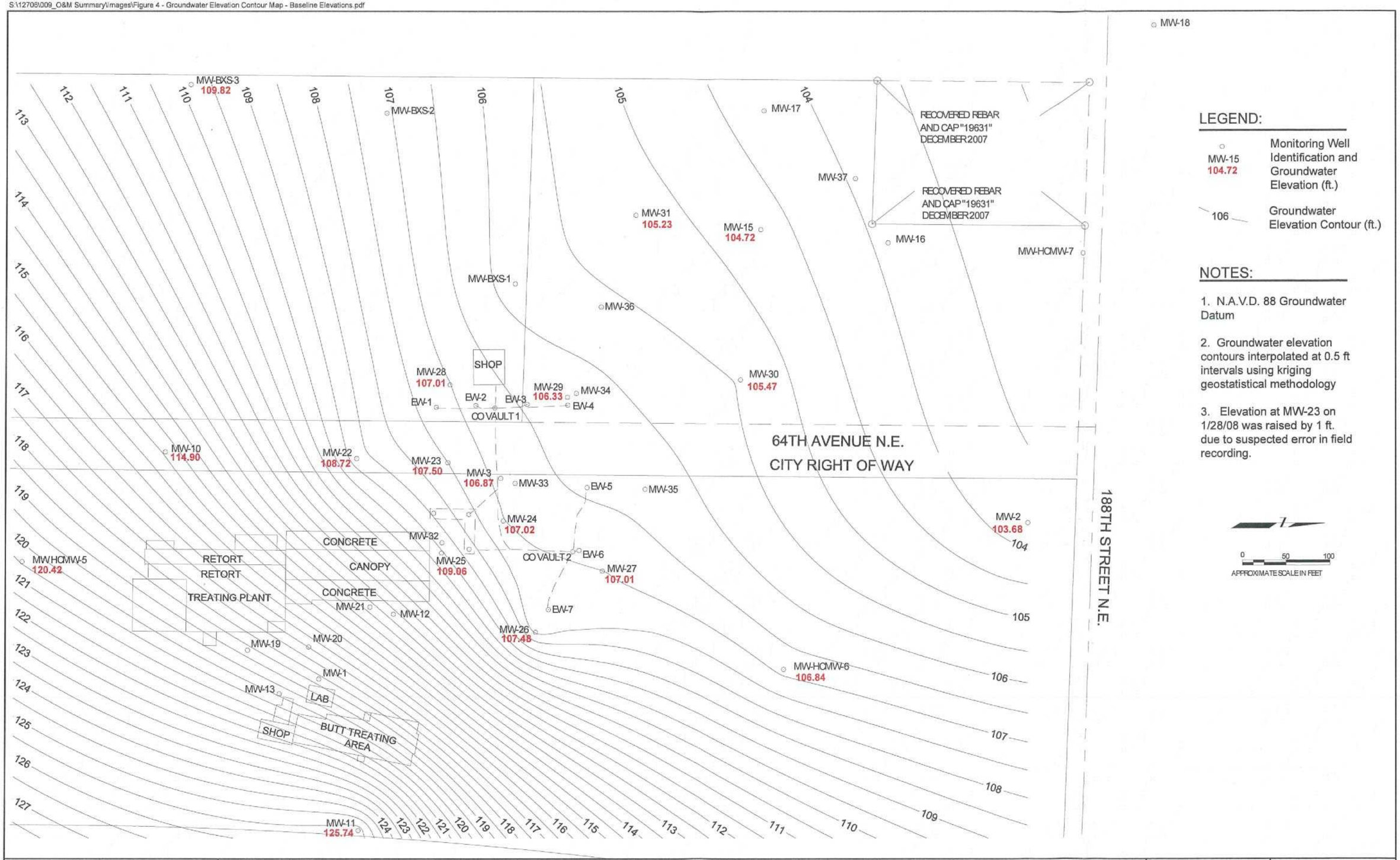
- MW-1 — MONITORING WELL
- MW-12 — LNAPL RECOVERY WELL
- EW-1 — EXTRACTION WELL AND VAULT IDENTIFYING NUMBER
- APPROXIMATE SITE BOUNDARY
- LAYOUT OF GROUNDWATER RECIRCULATION PIPING

0 110 220
APPROXIMATE SCALE IN FEET

GROUNDWATER MONITORING NETWORK
Former J.H. Baxter and Co. Wood Treating Facility
Arlington, Washington

By: APS	Date: 08/08/11	Project No. 0127060010
amec		Figure 2

Plot Date: 08/09/11 - 2:59pm, Plotted by: adam.sternberg
Drawing Path: S:\127060\014_WellNetwork\, Drawing Name: Baxter_WellNetwork_080811.dwg



LEGEND:

MW-15 104.72	Monitoring Well Identification and Groundwater Elevation (ft.)
106	Groundwater Elevation Contour (ft.)

NOTES:

1. N.A.V.D. 88 Groundwater Datum

2. Groundwater elevation contours interpolated at 0.5 ft intervals using kriging geostatistical methodology

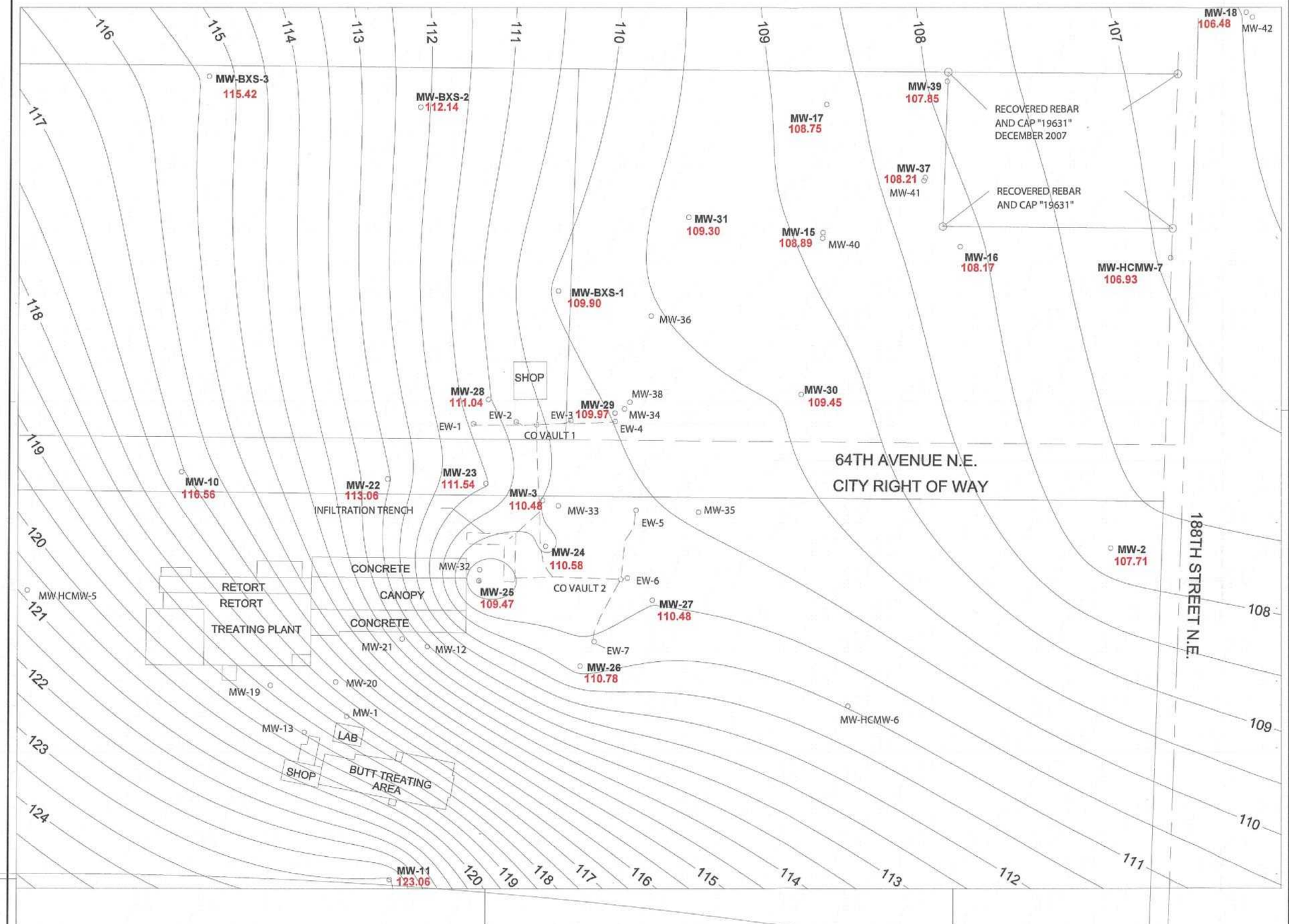
3. Elevation at MW-23 on 1/28/08 was raised by 1 ft. due to suspected error in field recording.

0 50 100
APPROXIMATE SCALE IN FEET

Geomatrix

January 28, 2008, GROUNDWATER ELEVATION CONTOUR MAP - BASELINE ELEVATIONS
Former J.H. Baxter and Co. Wood Treating Facility
Arlington, Washington

Prepared By: RLW	Project No. 12706
Date: 04/21/08	Figure 3



LEGEND:

MW-17 108.30	Monitoring Well Identification and Groundwater Elevation (ft.)
108	Groundwater Elevation Contour (ft.)
EW-1	Extraction Well Identification
CO VAULT 1	Clean Out Vault Identification

NOTES:

1. N.A.V.D. 88 Groundwater Datum

2. Groundwater elevation contours interpolated at 0.5 ft intervals using kriging geostatistical methodology.

3. Monitoring wells without groundwater elevations were not used in development of contour lines due to deeper screen interval.

4. Wells BXS-4, MW-4, MW-14, and MW-43 are located outside the area shown and were also used to generate contours.

5. Monitoring wells MW-12, MW-13, MW-19, MW-20, and MW-21 are used for LNAPL recovery.

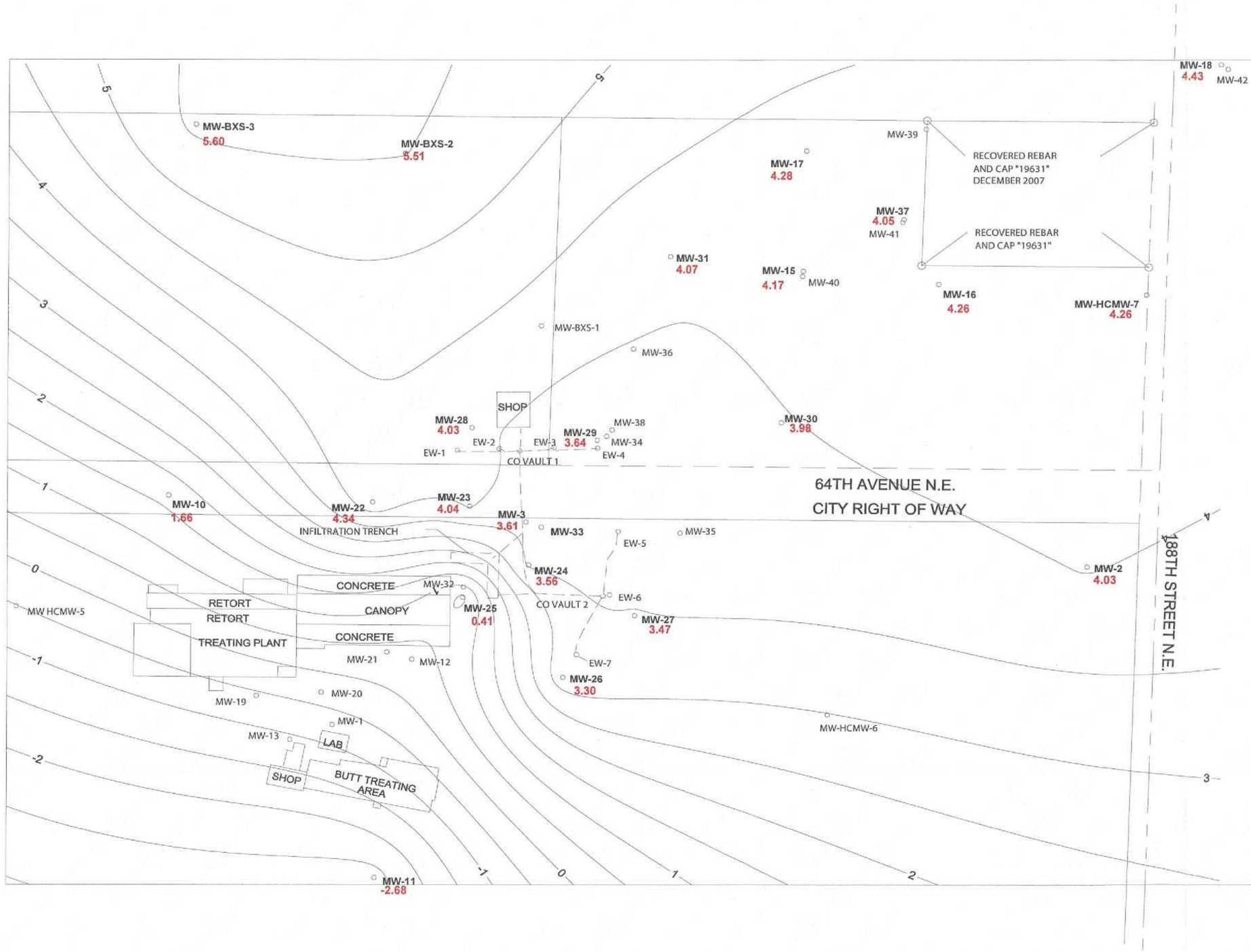
6. For well pairs and well triplets, groundwater elevation from the well with the highest screen elevation was used for contouring.

0 50 100
APPROXIMATE SCALE IN FEET

amec

THIRD QUARTER 2013 (AUGUST 25, 2013) GROUNDWATER ELEVATION CONTOUR MAP
Former J.H. Baxter and Co. Wood Treating Facility
Arlington, Washington

Prepared By: LD	Project No. 12706
Date: 10/02/13	Figure 4



LEGEND:

MW-17 3.83	Monitoring Well Identification and Groundwater Differential (feet)
1.5	Groundwater Differential Contour (feet)
EW-1	Extraction Well Identification
CO VAULT 1	Clean Out Vault Identification

NOTES:

1. Vertical Datum is N.A.V.D. 88

2. Groundwater differential contours interpolated at 0.1 ft intervals using kriging geostatistical methodology.

3. Monitoring wells without groundwater elevations were not used in development of differential lines due to deeper screen interval.

4. Wells BXS-4, MW-4, and MW-14 are located outside the area shown and were also used to generate differentials.

5. Monitoring wells MW-12, MW-13, MW-19, MW-20, and MW-21 are used for LNAPL recovery.

6. Differential groundwater elevations were calculated by subtracting the measured elevations from the baseline elevations measured on January 28, 2008.

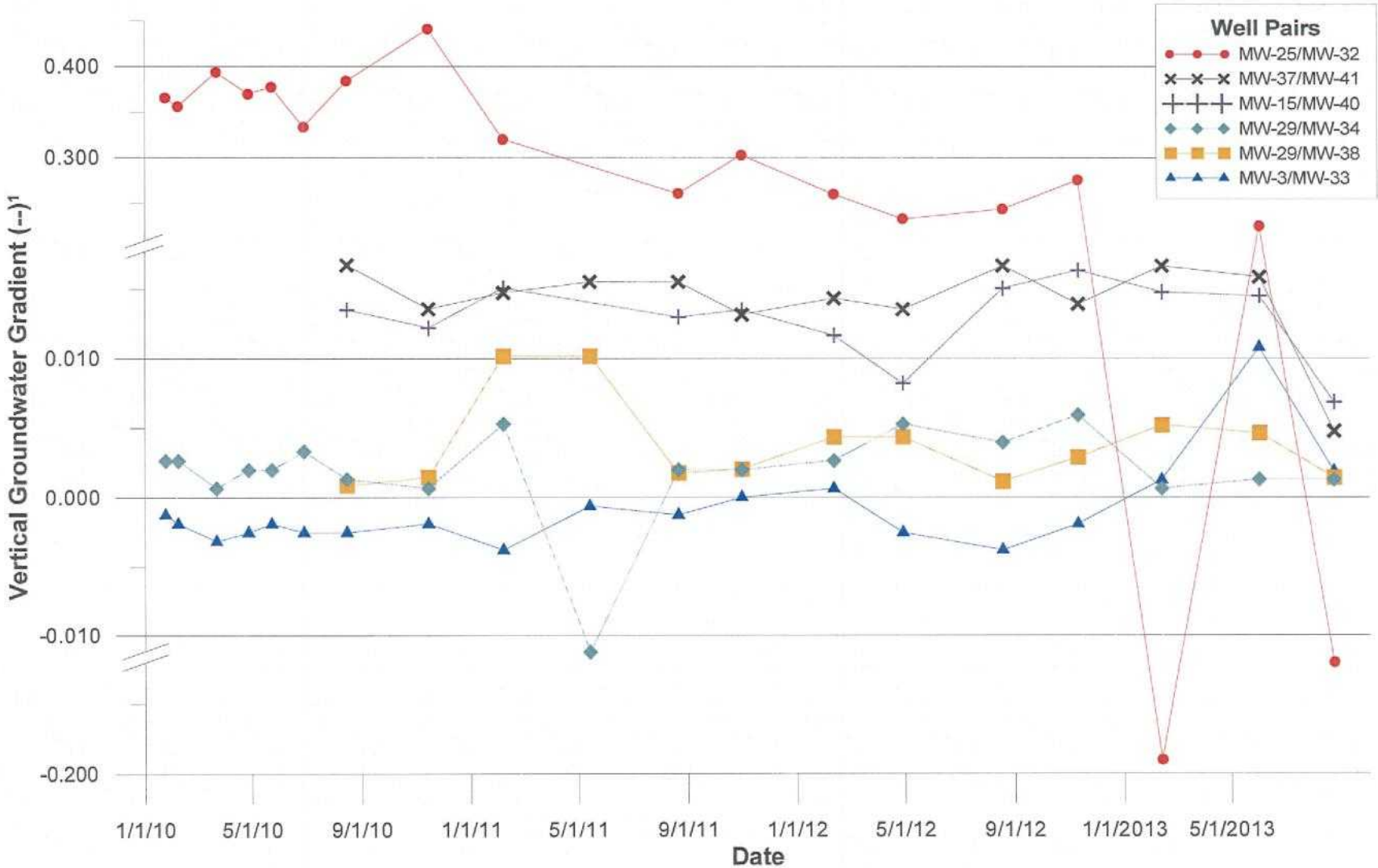
0 50 100
APPROXIMATE SCALE IN FEET

amec

THIRD QUARTER 2013 (AUGUST 25, 2013) GROUNDWATER DIFFERENTIAL CONTOUR MAP
Former J.H. Baxter and Co. Wood Treating Facility
Arlington, Washington

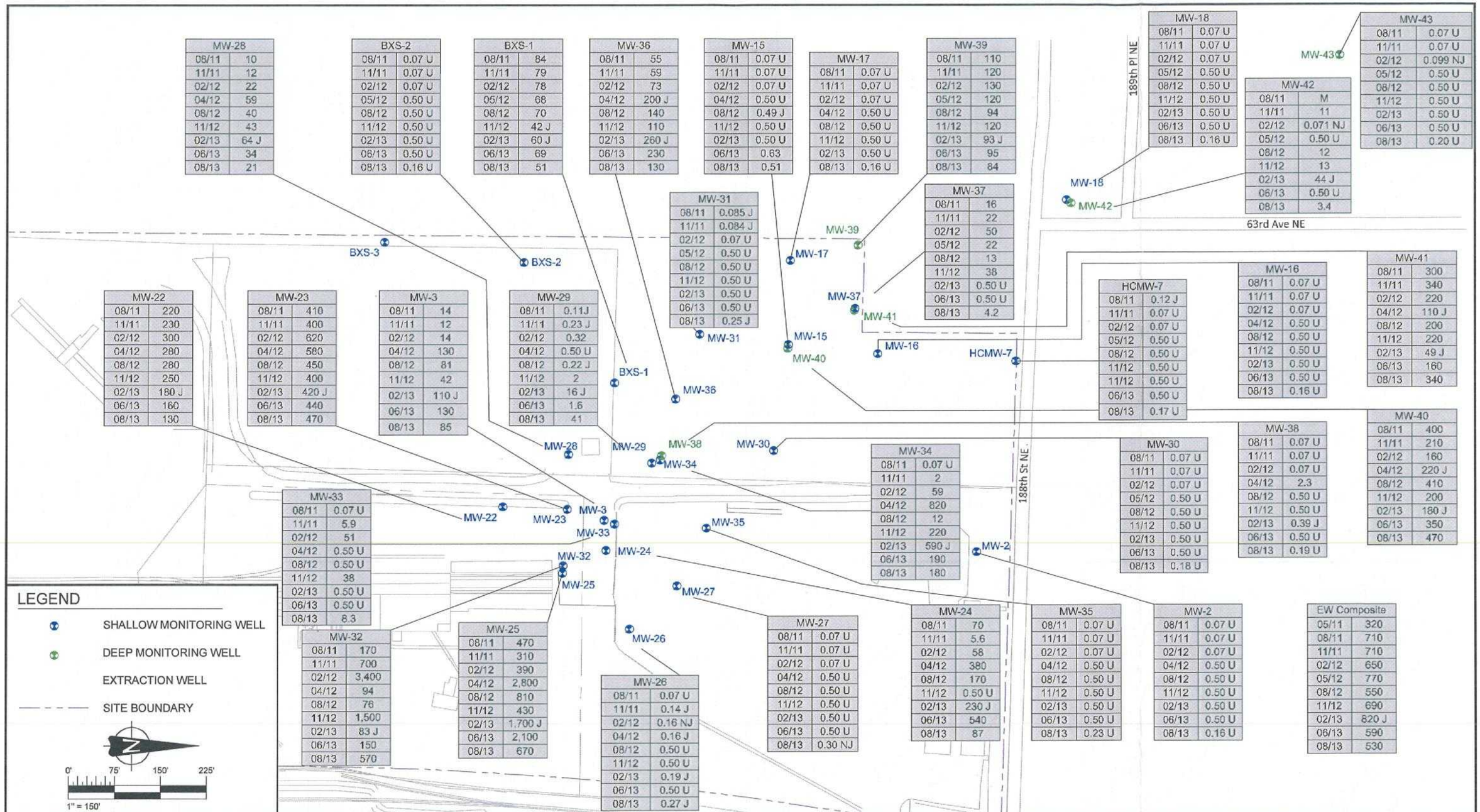
Prepared By: LCD	Project No. 12706
Date: 10/02/13	Figure 5

P:\12706 - JH Baxter Arlington\7000 Remediation\Performance Monitoring\Vertical Gradient Summary Tables\Vertical Gradient Trendplots_v2.grf



Notes: 1. -- = dimensionless
2. Vertical datum is N.A.V.D 88.
3. Gradients are calculated as shallower well groundwater elevation minus deeper well groundwater elevation divided by the distance between screen midpoints. Positive values indicate a downward flow direction, while negative values indicate an upward flow direction.

amec	VERTICAL GROUNDWATER GRADIENT TRENDS Former J.H. Baxter and Co. Wood Treating Facility Arlington, Washington	Prepared By: LCD	Project No. 12706
		10/29/13	Figure No. 6



MW-28	
08/11	10
11/11	12
02/12	22
04/12	59
08/12	40
11/12	43
02/13	64 J
06/13	34
08/13	21

BXS-2	
08/11	0.07 U
11/11	0.07 U
02/12	0.07 U
05/12	0.50 U
08/12	0.50 U
11/12	0.50 U
02/13	0.50 U
06/13	0.50 U
08/13	0.16 U

BXS-1	
08/11	84
11/11	79
02/12	78
05/12	68
08/12	70
11/12	42 J
02/13	60 J
06/13	69
08/13	51

MW-36	
08/11	55
11/11	59
02/12	73
04/12	200 J
08/12	140
11/12	110
02/13	260 J
06/13	230
08/13	130

MW-15	
08/11	0.07 U
11/11	0.07 U
02/12	0.07 U
04/12	0.50 U
08/12	0.49 J
11/12	0.50 U
02/13	0.50 U
06/13	0.63
08/13	0.51

MW-17	
08/11	0.07 U
11/11	0.07 U
02/12	0.07 U
04/12	0.50 U
08/12	0.50 U
11/12	0.50 U
02/13	0.50 U
08/13	0.16 U

MW-39	
08/11	110
11/11	120
02/12	130
05/12	120
08/12	94
11/12	120
02/13	93 J
06/13	95
08/13	84

MW-18	
08/11	0.07 U
11/11	0.07 U
02/12	0.07 U
05/12	0.50 U
08/12	0.50 U
11/12	0.50 U
02/13	0.50 U
06/13	0.50 U
08/13	0.16 U

MW-43	
08/11	0.07 U
11/11	0.07 U
02/12	0.099 NJ
05/12	0.50 U
08/12	0.50 U
11/12	0.50 U
02/13	0.50 U
06/13	0.50 U
08/13	0.20 U

MW-42	
08/11	M
11/11	11
02/12	0.071 NJ
05/12	0.50 U
08/12	12
11/12	13
02/13	44 J
06/13	0.50 U
08/13	3.4

MW-31	
08/11	0.085 J
11/11	0.084 J
02/12	0.07 U
05/12	0.50 U
08/12	0.50 U
11/12	0.50 U
02/13	0.50 U
06/13	0.50 U
08/13	0.25 J

MW-37	
08/11	16
11/11	22
02/12	50
05/12	22
08/12	13
11/12	38
02/13	0.50 U
06/13	0.50 U
08/13	4.2

MW-22	
08/11	220
11/11	230
02/12	300
04/12	280
08/12	280
11/12	250
02/13	180 J
06/13	160
08/13	130

MW-23	
08/11	410
11/11	400
02/12	620
04/12	580
08/12	450
11/12	400
02/13	420 J
06/13	440
08/13	470

MW-3	
08/11	14
11/11	12
02/12	14
04/12	130
08/12	81
11/12	42
02/13	110 J
06/13	130
08/13	85

MW-29	
08/11	0.11J
11/11	0.23 J
02/12	0.32
04/12	0.50 U
08/12	0.22 J
11/12	2
02/13	16 J
06/13	1.6
08/13	41

HCMW-7	
08/11	0.12 J
11/11	0.07 U
02/12	0.07 U
05/12	0.50 U
08/12	0.50 U
11/12	0.50 U
11/12	0.50 U
06/13	0.50 U
08/13	0.17 U

MW-16	
08/11	0.07 U
11/11	0.07 U
02/12	0.07 U
04/12	0.50 U
08/12	0.50 U
11/12	0.50 U
02/13	0.50 U
06/13	0.50 U
08/13	0.16 U

MW-41	
08/11	300
11/11	340
02/12	220
04/12	110 J
08/12	200
11/12	220
02/13	49 J
06/13	160
08/13	340

MW-40	
08/11	400
11/11	210
02/12	160
04/12	220 J
08/12	410
11/12	200
02/13	180 J
06/13	350
08/13	470

MW-38	
08/11	0.07 U
11/11	0.07 U
02/12	0.07 U
04/12	2.3
08/12	0.50 U
11/12	0.50 U
02/13	0.39 J
06/13	0.50 U
08/13	0.19 U

MW-30	
08/11	0.07 U
11/11	0.07 U
02/12	0.07 U
05/12	0.50 U
08/12	0.50 U
11/12	0.50 U
02/13	0.50 U
06/13	0.50 U
08/13	0.18 U

MW-34	
08/11	0.07 U
11/11	2
02/12	59
04/12	820
08/12	12
11/12	220
02/13	590 J
06/13	190
08/13	180

MW-33	
08/11	0.07 U
11/11	5.9
02/12	51
04/12	0.50 U
08/12	0.50 U
11/12	38
02/13	0.50 U
06/13	0.50 U
08/13	8.3

MW-32	
08/11	170
11/11	700
02/12	3,400
04/12	94
08/12	76
11/12	1,500
02/13	83 J
06/13	150
08/13	570

MW-25	
08/11	470
11/11	310
02/12	390
04/12	2,800
08/12	810
11/12	430
02/13	1,700 J
06/13	2,100
08/13	670

MW-26	
08/11	0.07 U
11/11	0.14 J
02/12	0.16 NJ
04/12	0.16 J
08/12	0.50 U
11/12	0.50 U
02/13	0.19 J
06/13	0.50 U
08/13	0.27 J

MW-27	
08/11	0.07 U
11/11	0.07 U
02/12	0.07 U
04/12	0.50 U
08/12	0.50 U
11/12	0.50 U
02/13	0.50 U
06/13	0.50 U
08/13	0.30 NJ

MW-24	
08/11	70
11/11	5.6
02/12	58
04/12	380
08/12	170
11/12	0.50 U
02/13	230 J
06/13	540
08/13	87

MW-35	
08/11	0.07 U
11/11	0.07 U
02/12	0.07 U
04/12	0.50 U
08/12	0.50 U
11/12	0.50 U
02/13	0.50 U
06/13	0.50 U
08/13	0.23 U

MW-2	
08/11	0.07 U
11/11	0.07 U
02/12	0.07 U
04/12	0.50 U
08/12	0.50 U
11/12	0.50 U
02/13	0.50 U
06/13	0.50 U
08/13	0.16 U

EW Composite	
05/11	320
08/11	710
11/11	710
02/12	650
05/12	770
08/12	550
11/12	690
02/13	820 J
06/13	590
08/13	530

NOTES:

UNITS	µg/L
U	Undetected
NA	Not Analyzed
J	Estimated Value
NJ	Tentatively Identified Analyte; Estimated Value

CLIENT: J.H. BAXTER

AMEC
7376 S.W. Durham Road
Portland, OR. U.S.A. 97224

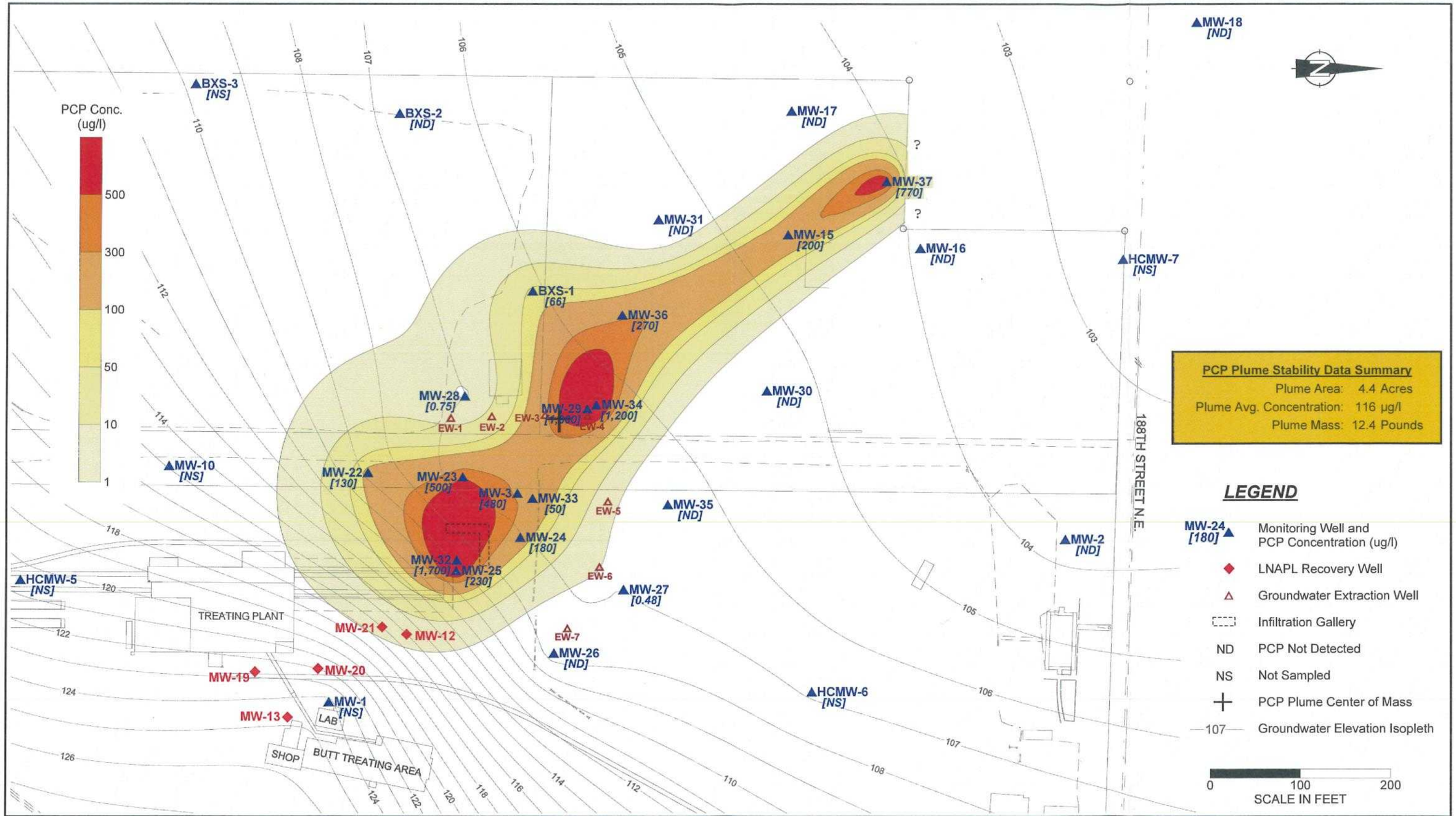
DWN BY: PM
CHK'D BY: SB
DATUM: -
PROJECTION: -
SCALE: 1"=150'

PROJECT: FORMER J.H. BAXTER AND CO.
WOOD TREATING FACILITY
ARLINGTON, WA

TITLE: PENTACHLOROPHENOL IN GROUNDWATER
AUGUST 2011 - AUGUST 2013

DATE: FEBRUARY 2014
PROJECT NO.: 361M125611
REV. NO.: A
FIGURE NO.: 7

K:\12000\12500\12561\125612\DWG\3Q2013\Figure 7-30-35 - 3Q2013.dwg - -7 - Feb. 14, 2014 2:06pm - stephane.descombes



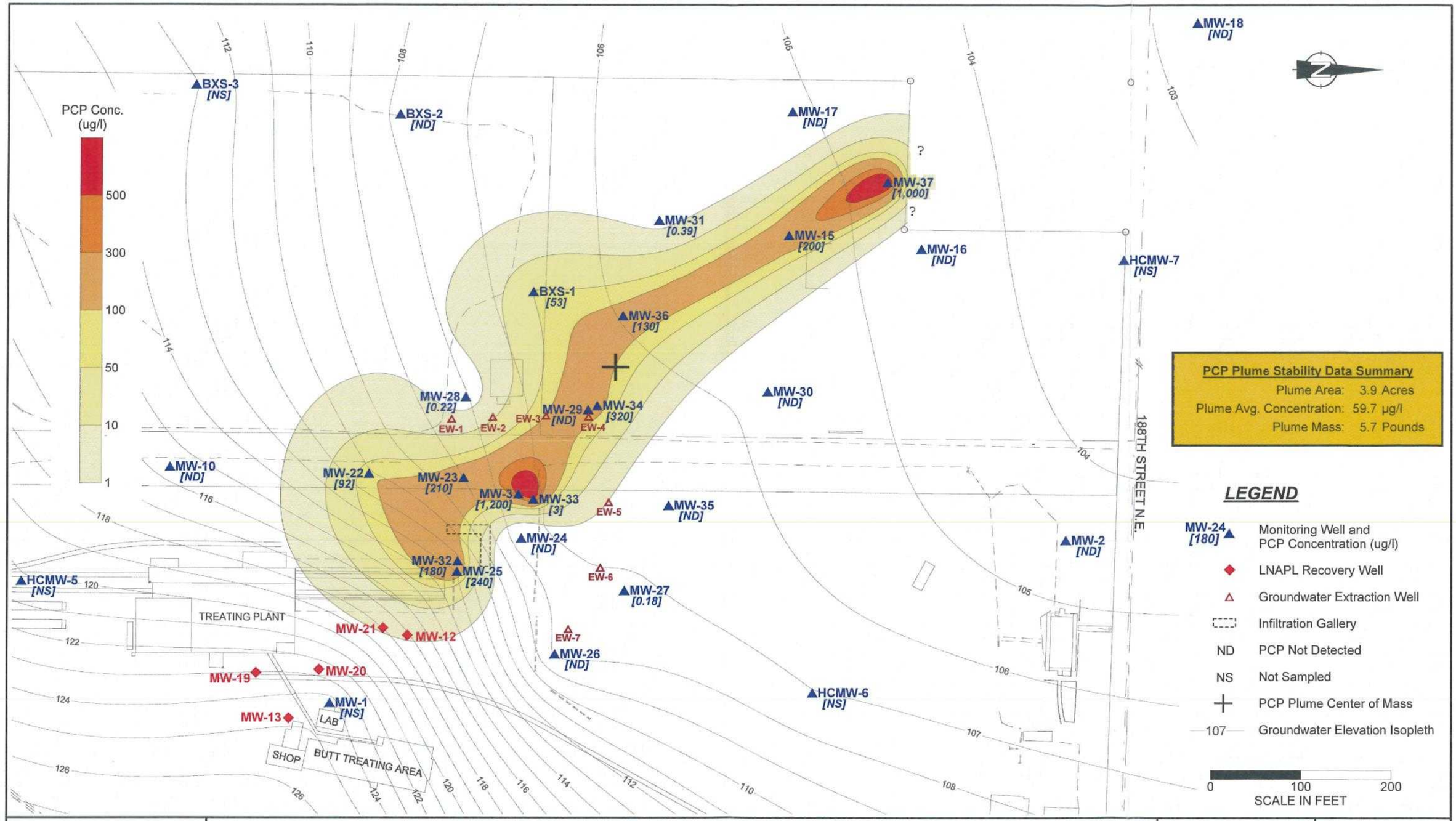
PREMIER ENVIRONMENTAL SERVICES, INC

PENTACHLOROPHENOL ISOPLETH MAP - JANUARY 2008
Former J.H. Baxter and Co. Wood Treating Facility
Arlington, Washington

Prepared By: JAR

Date: 08/28/13

Figure 8



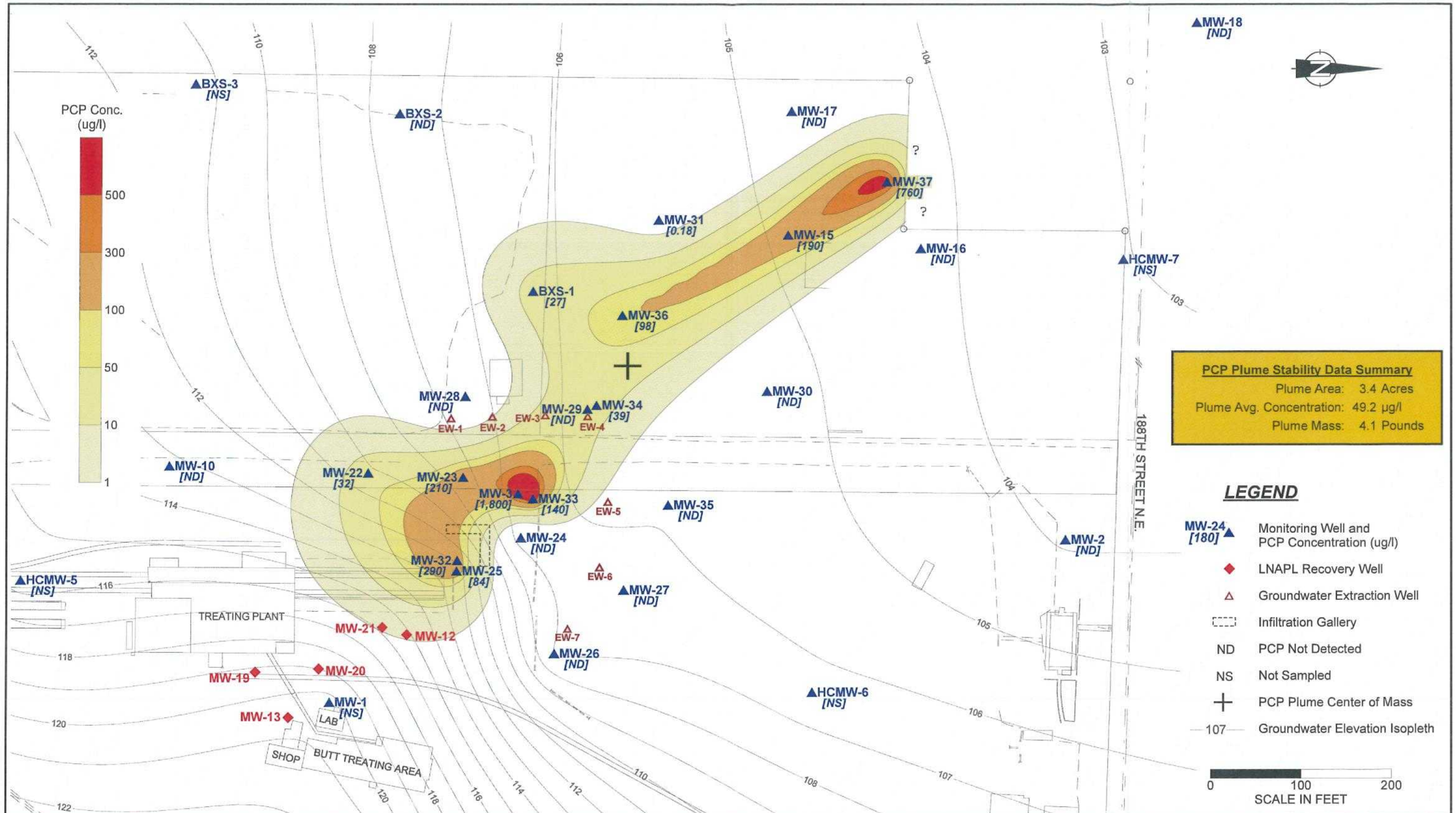
PREMIER ENVIRONMENTAL SERVICES, INC

PENTACHLOROPHENOL ISOPLETH MAP - APRIL 2008
Former J.H. Baxter and Co. Wood Treating Facility
Arlington, Washington

Prepared By: JAR

Date: 08/28/13

Figure 9



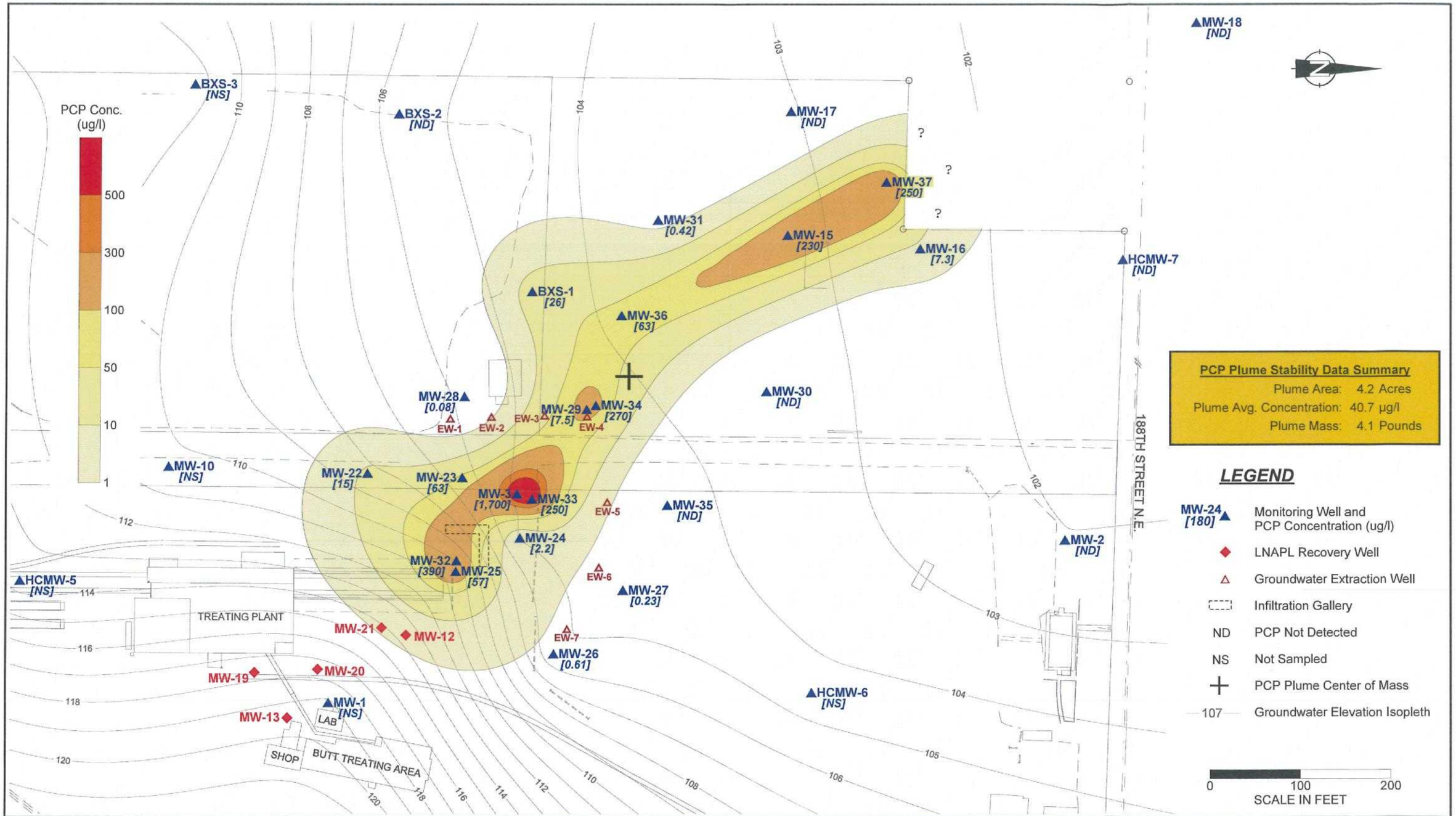
PREMIER ENVIRONMENTAL SERVICES, INC

PENTACHLOROPHENOL ISOPLETH MAP - JULY 2008
Former J.H. Baxter and Co. Wood Treating Facility
Arlington, Washington

Prepared By: JAR

Date: 08/28/13

Figure 10



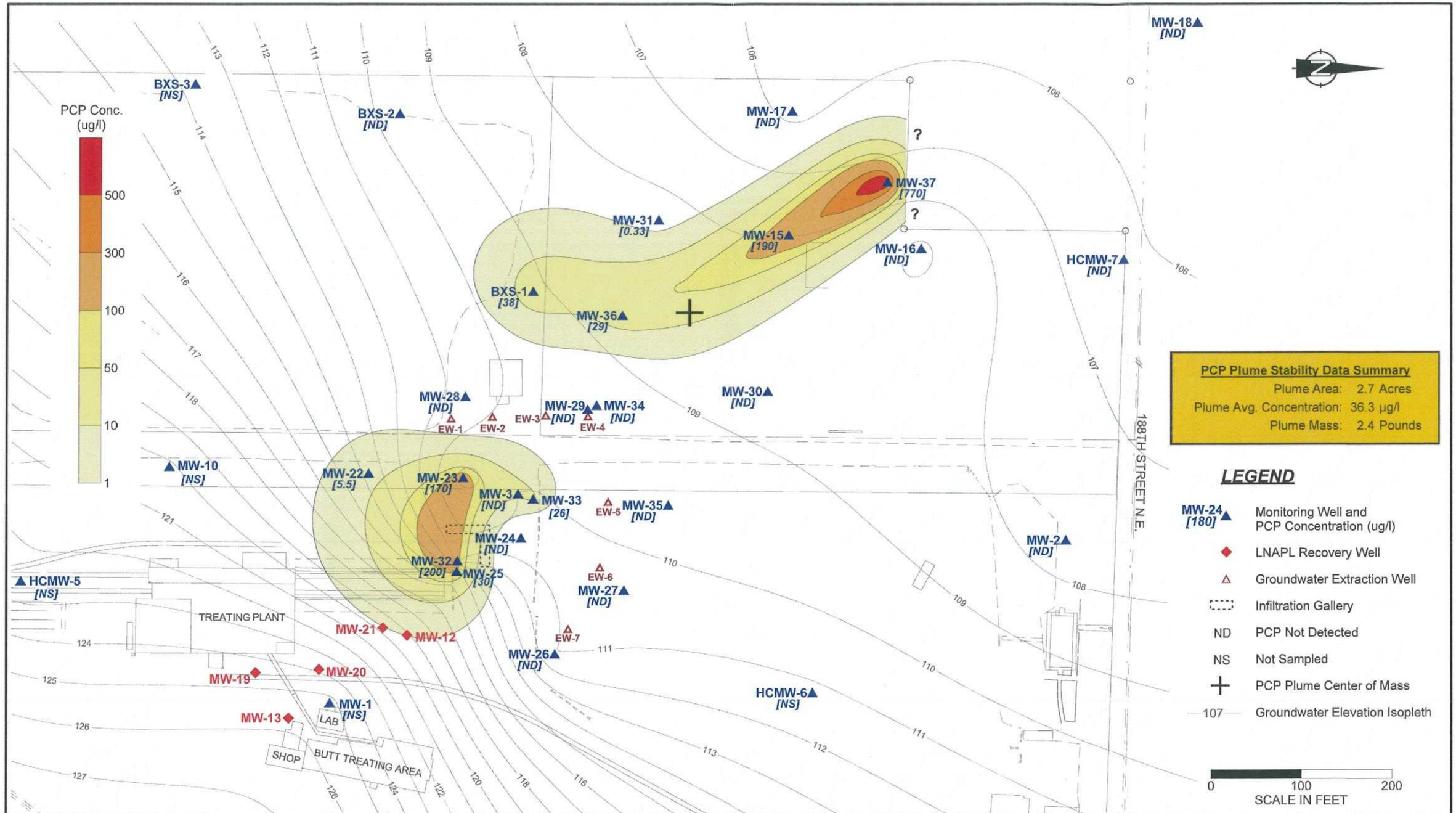
PREMIER ENVIRONMENTAL SERVICES, INC

PENTACHLOROPHENOL ISOPLETH MAP - OCTOBER 2008
Former J.H. Baxter and Co. Wood Treating Facility
Arlington, Washington

Prepared By: JAR

Date: 08/28/13

Figure 11



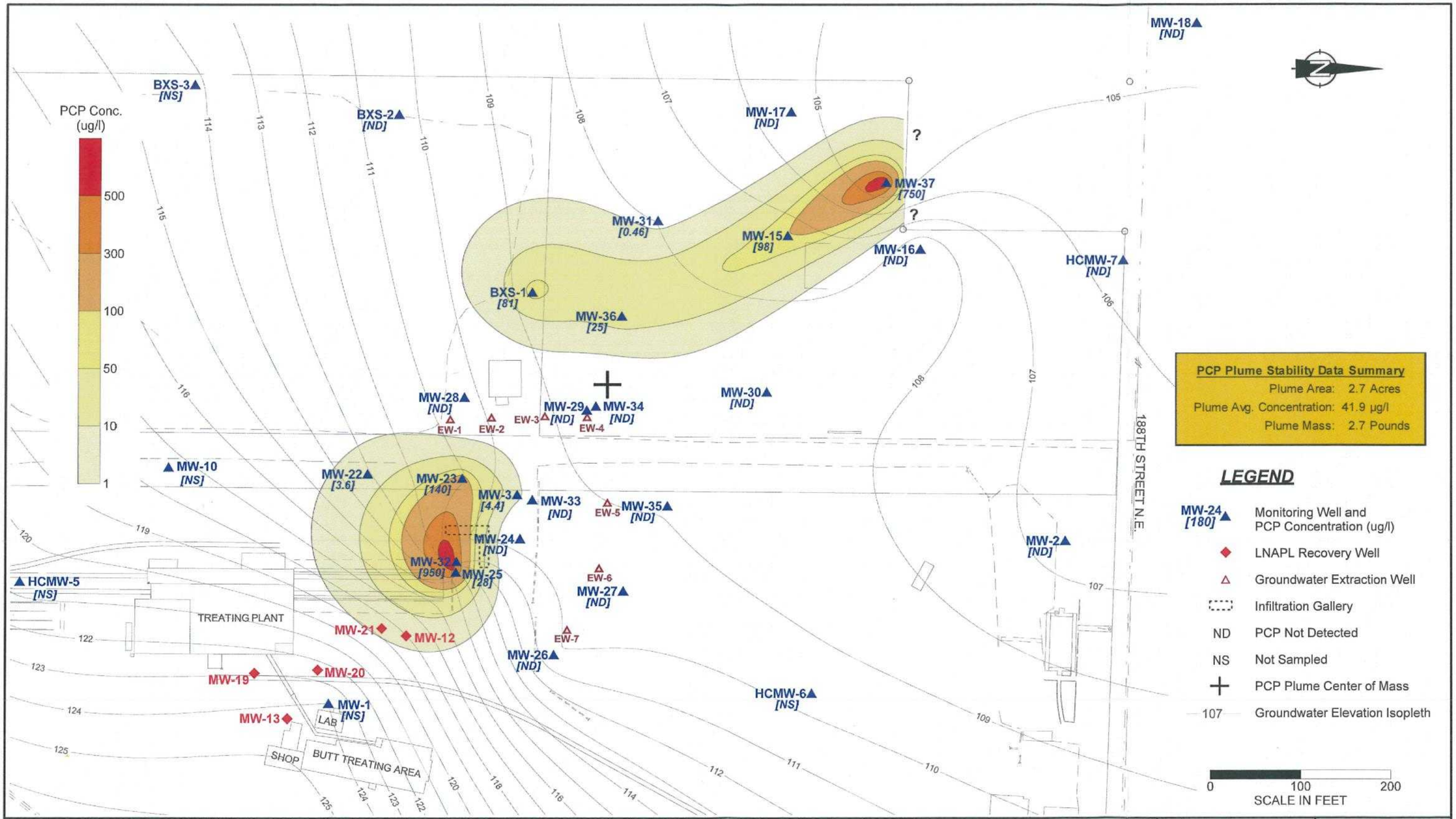
PREMIER ENVIRONMENTAL SERVICES, INC

PENTACHLOROPHENOL ISOPLETH MAP - FEBRUARY 2009
Former J.H. Baxter and Co. Wood Treating Facility
Arlington, Washington

Prepared By: JAR

Date: 05/13/09

Figure 11



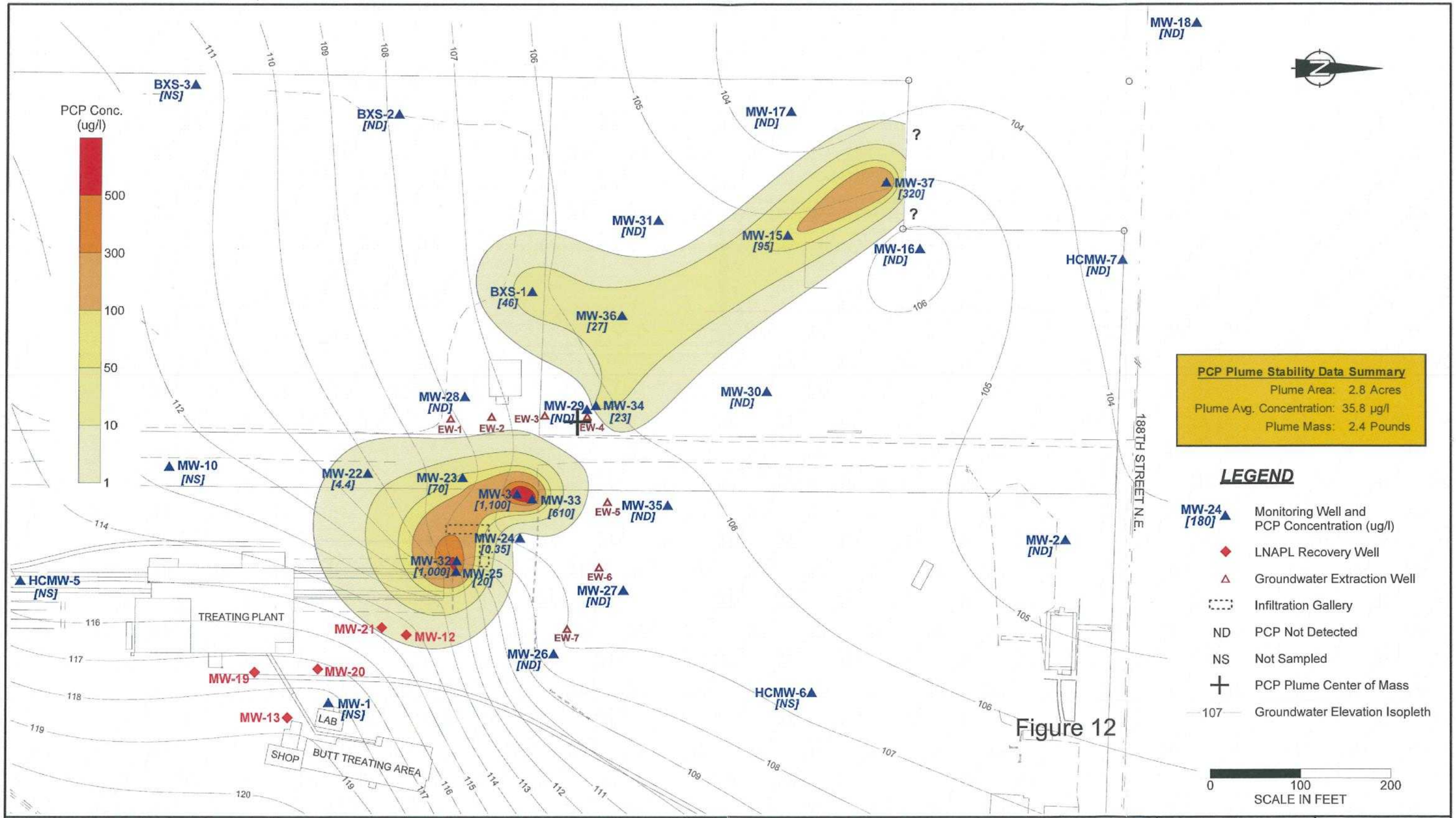
PREMIER ENVIRONMENTAL SERVICES, INC

PENTACHLOROPHENOL ISOPLETH MAP - May 2009
Former J.H. Baxter and Co. Wood Treating Facility
Arlington, Washington

Prepared By: JAR

Date: 08/28/13

Figure 13



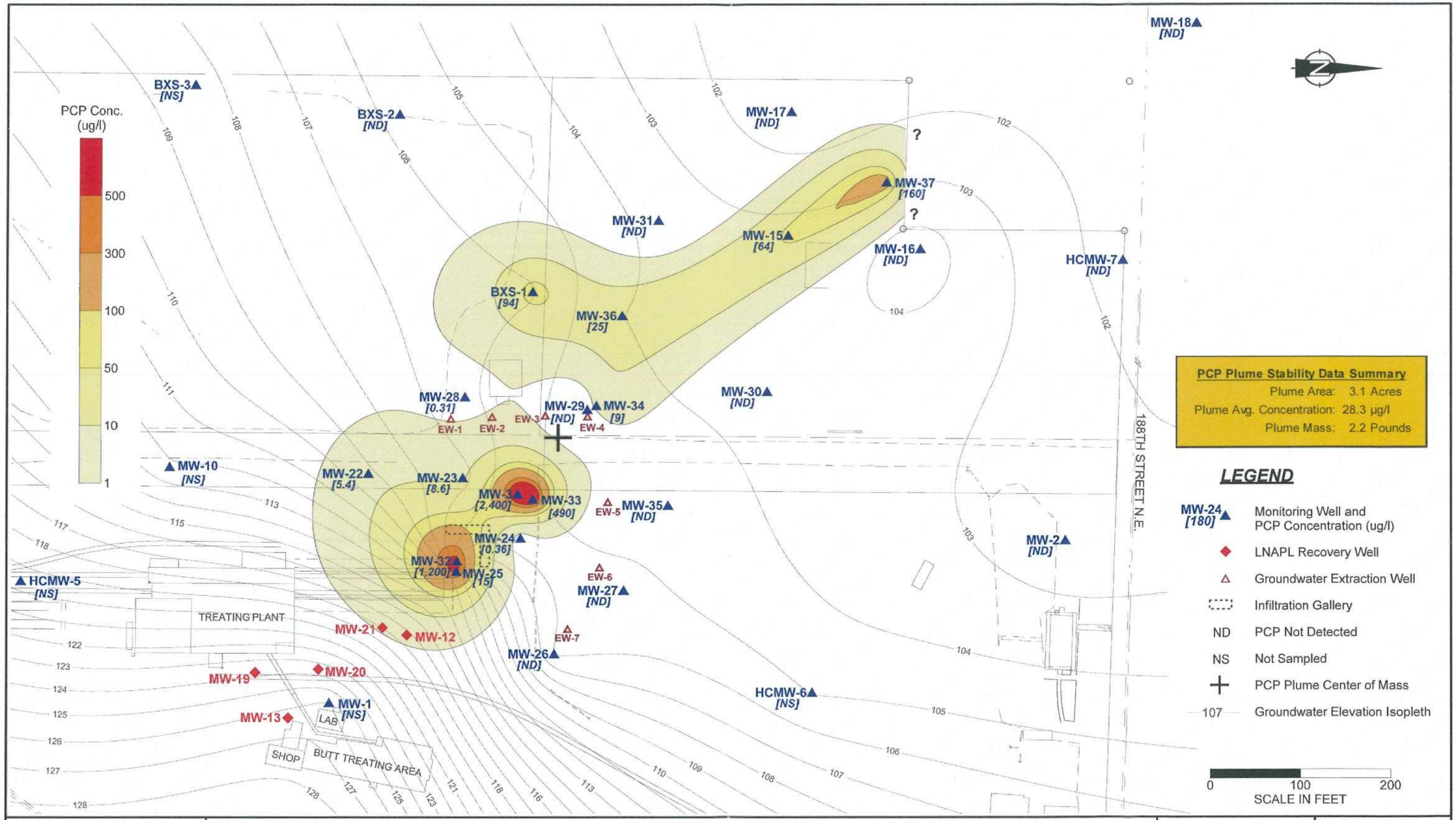
PREMIER ENVIRONMENTAL SERVICES, INC

PENTACHLOROPHENOL ISOPLETH MAP - August 2009
Former J.H. Baxter and Co. Wood Treating Facility
Arlington, Washington

Prepared By: JAR

Date: 08/28/13

Figure 14



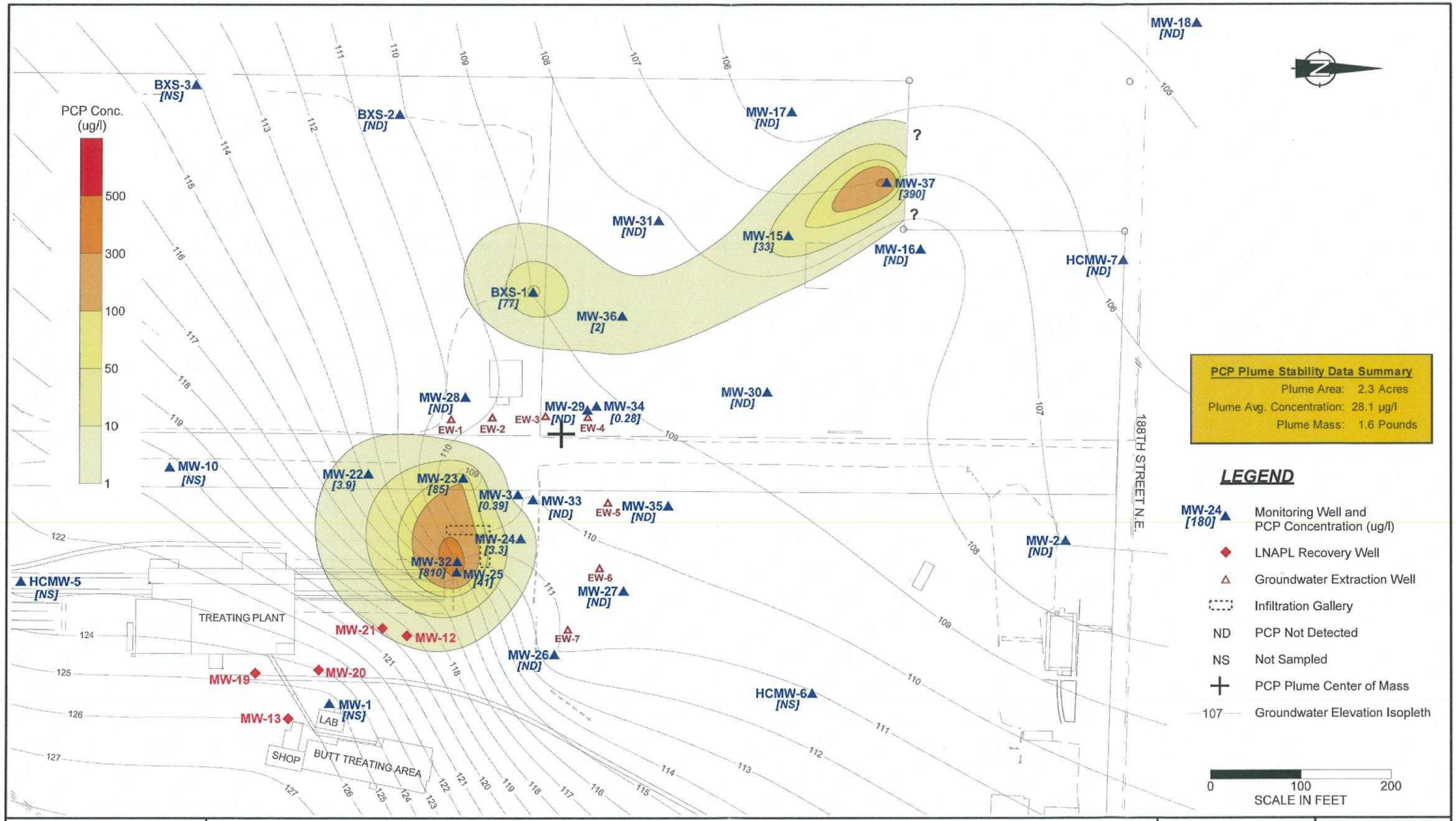
PREMIER ENVIRONMENTAL SERVICES, INC

PENTACHLOROPHENOL ISOPLETH MAP - November 2009
Former J.H. Baxter and Co. Wood Treating Facility
Arlington, Washington

Prepared By: JAR

Date: 08/28/13

Figure 15



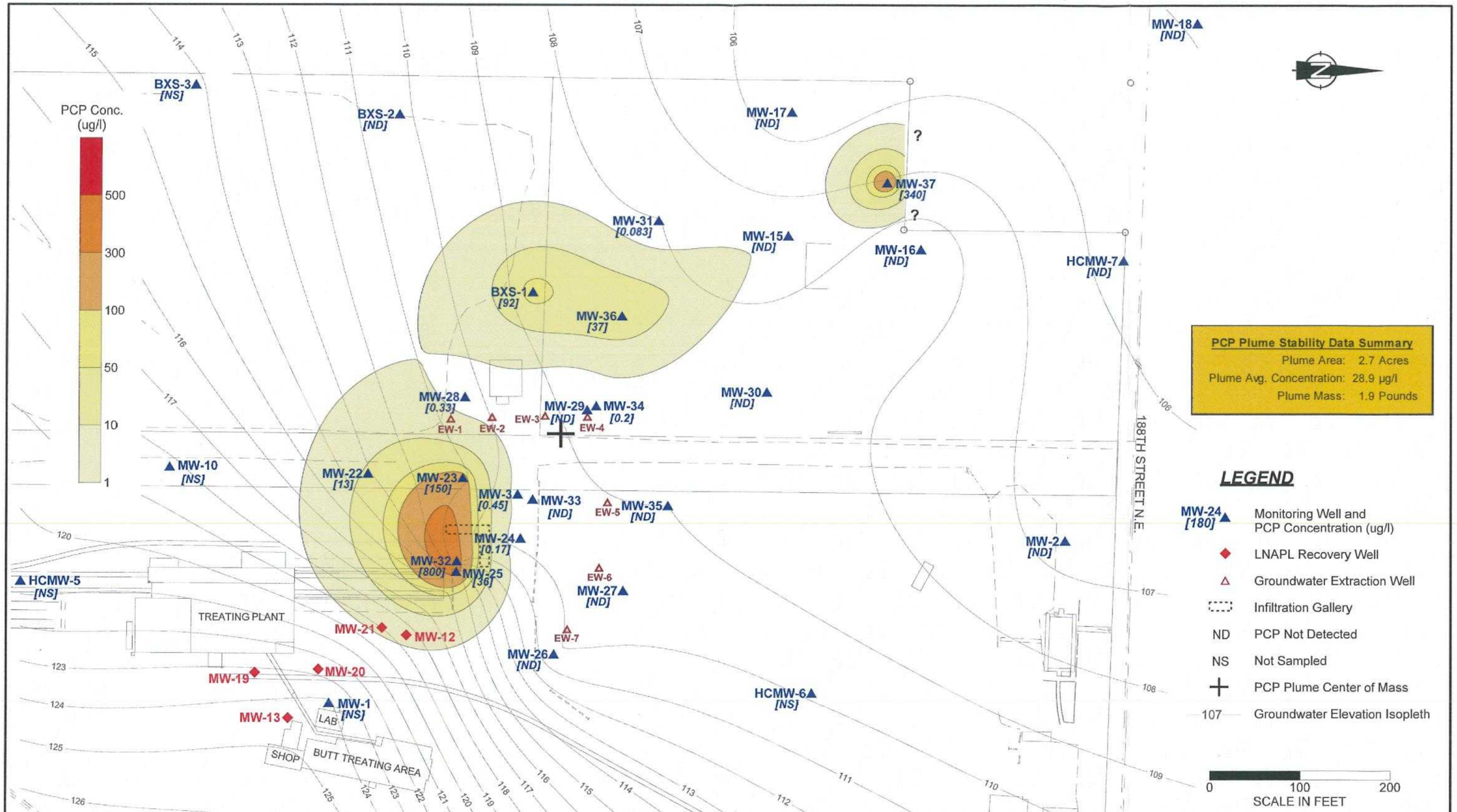
PREMIER ENVIRONMENTAL SERVICES, INC

PENTACHLOROPHENOL ISOPLETH MAP - February 2010
Former J.H. Baxter and Co. Wood Treating Facility
Arlington, Washington

Prepared By: JAR

Date: 08/28/13

Figure 16



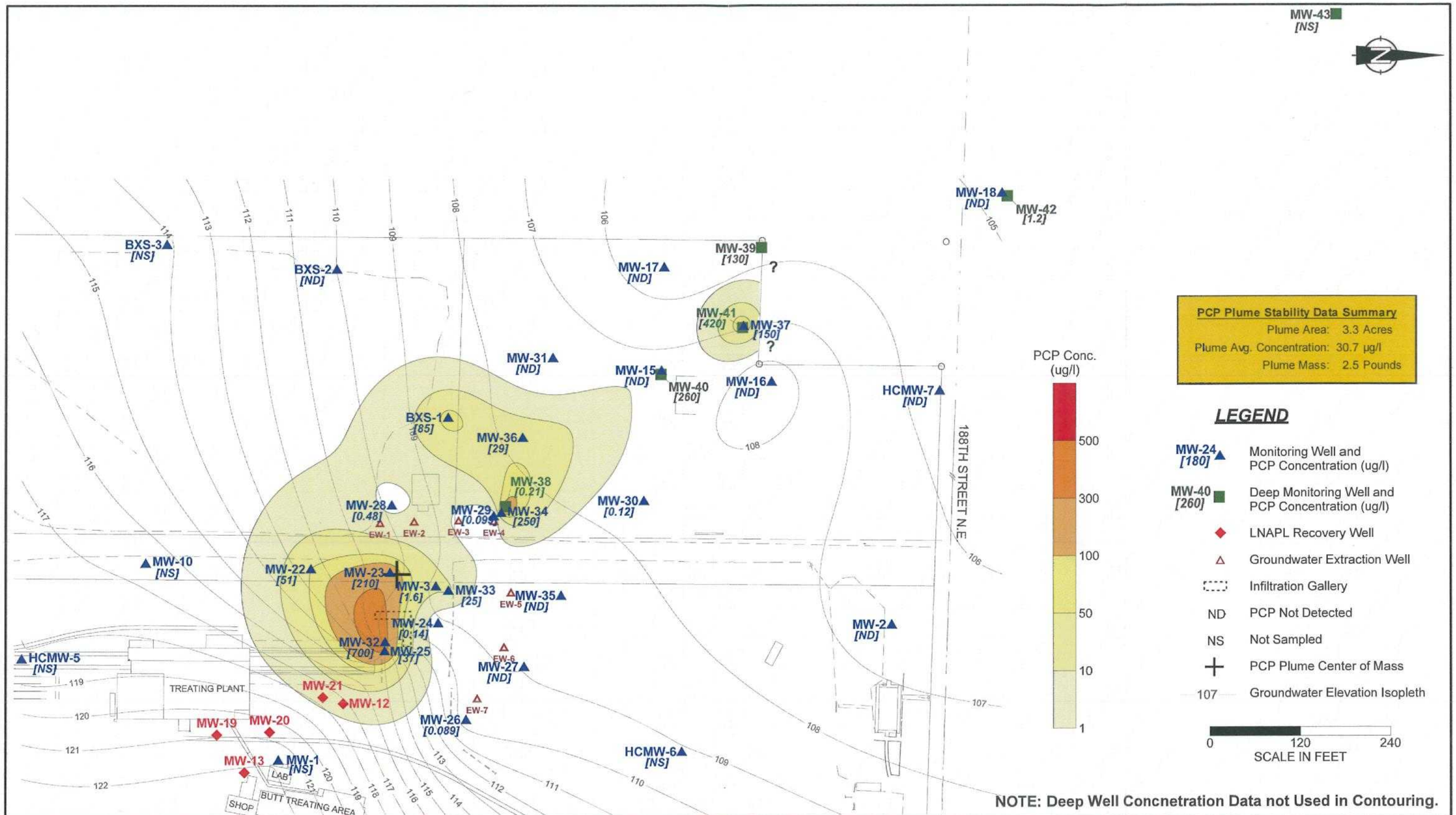
PREMIER ENVIRONMENTAL SERVICES, INC

PENTACHLOROPHENOL ISOPLETH MAP - May 2010
Former J.H. Baxter and Co. Wood Treating Facility
Arlington, Washington

Prepared By: JAR

Date: 08/28/13

Figure 17



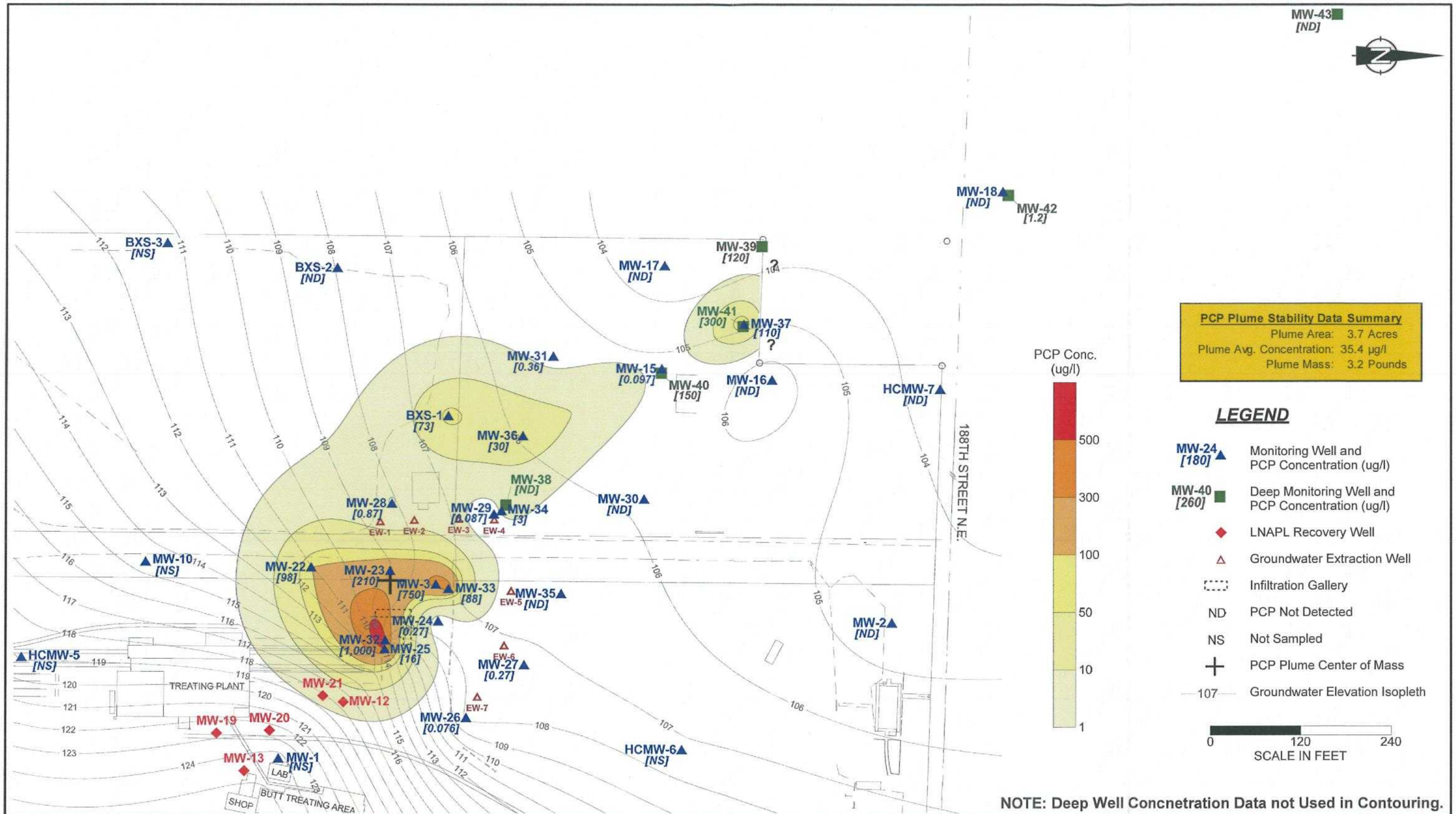
PREMIER ENVIRONMENTAL SERVICES, INC

PENTACHLOROPHENOL ISOPLETH MAP - August 2010
Former J.H. Baxter and Co. Wood Treating Facility
Arlington, Washington

Prepared By: JAR

Date: 08/28/13

Figure 18



NOTE: Deep Well Concnetration Data not Used in Contouring.

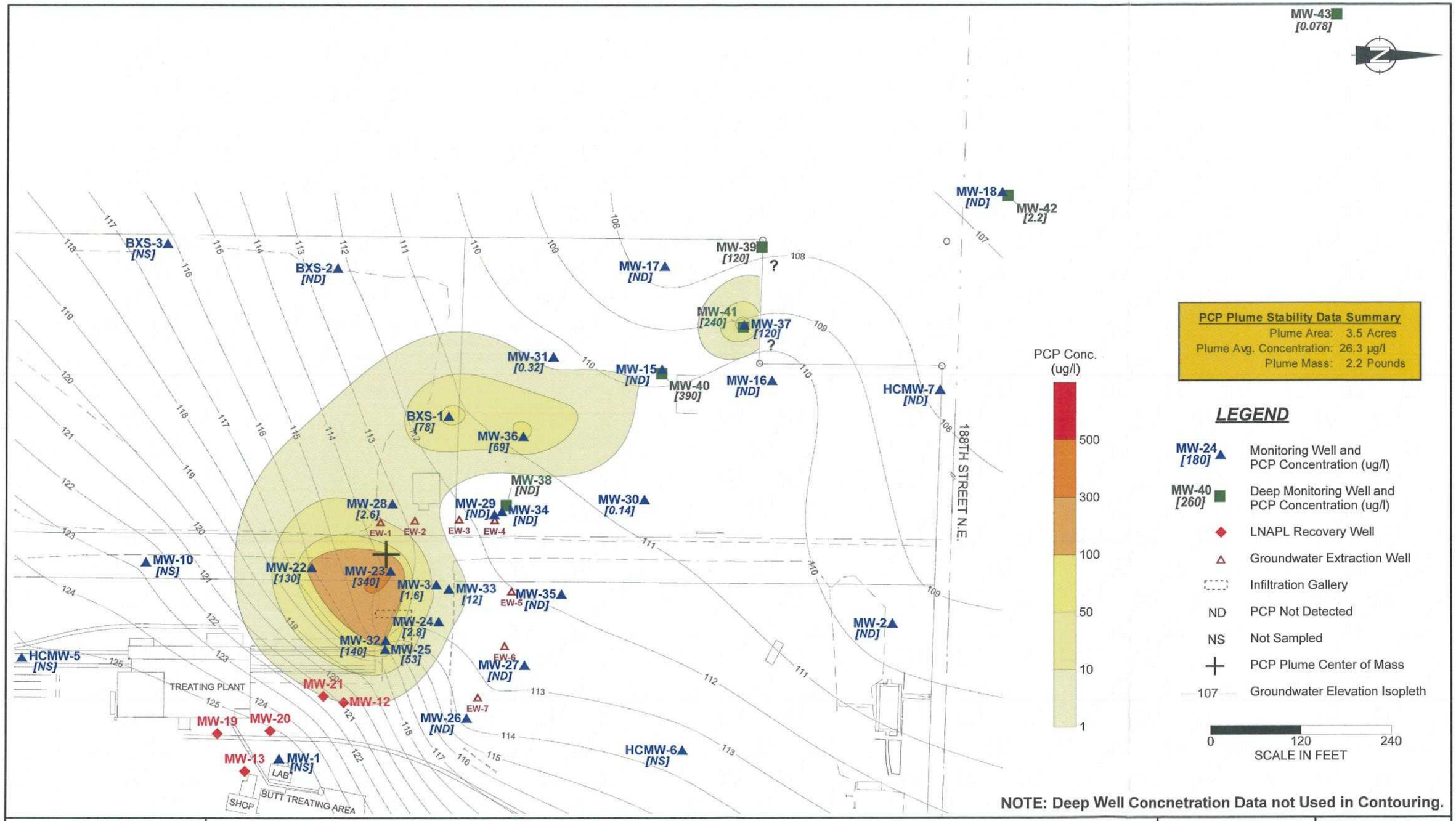
PREMIER ENVIRONMENTAL SERVICES, INC

PENTACHLOROPHENOL ISOPLETH MAP - November 2010
Former J.H. Baxter and Co. Wood Treating Facility
Arlington, Washington

Prepared By: JAR

Date: 08/28/13

Figure 19



NOTE: Deep Well Concnetration Data not Used in Contouring.

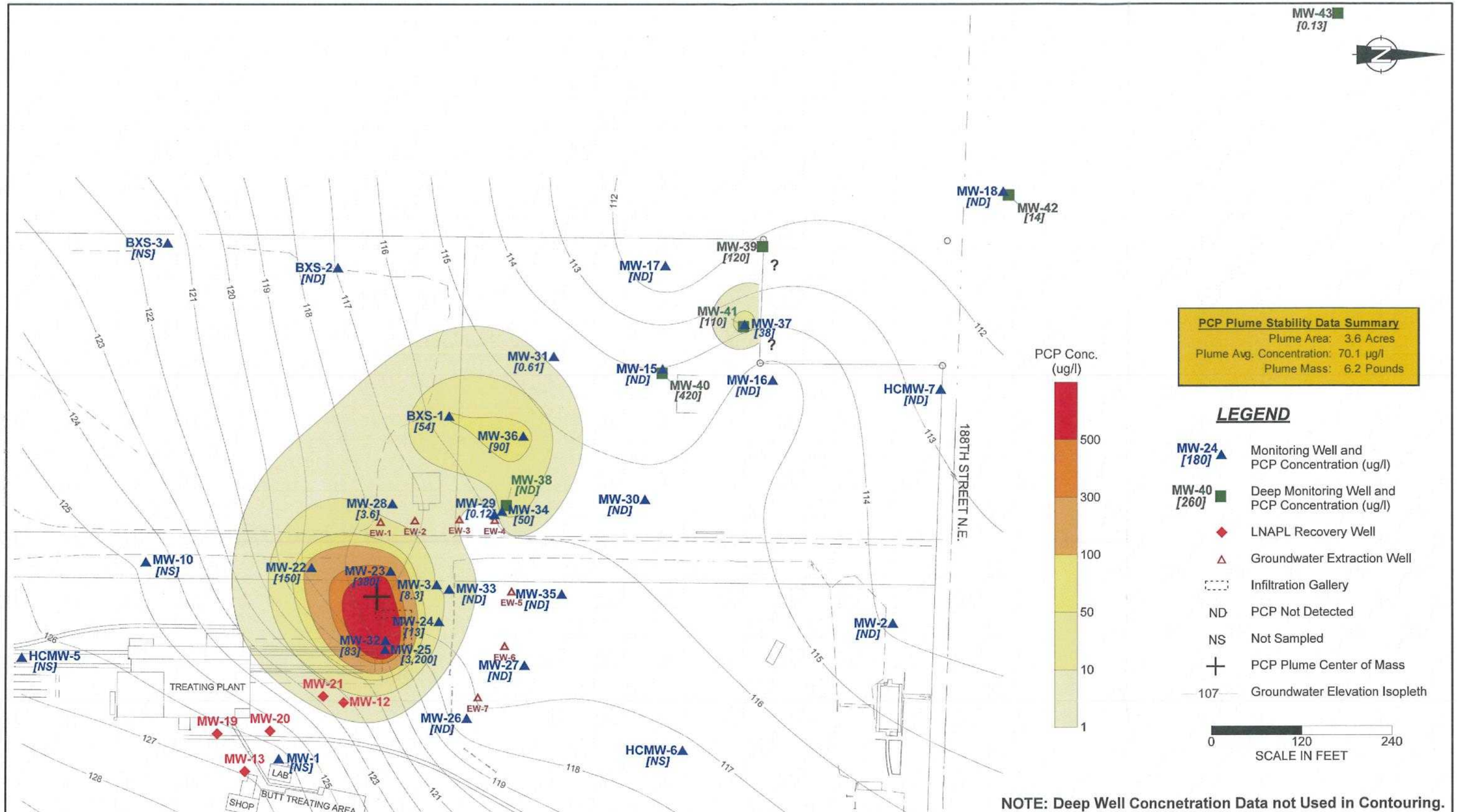
PREMIER ENVIRONMENTAL SERVICES, INC

PENTACHLOROPHENOL ISOPLETH MAP - February 2011
Former J.H. Baxter and Co. Wood Treating Facility
Arlington, Washington

Prepared By: JAR

Date: 08/28/13

Figure 20



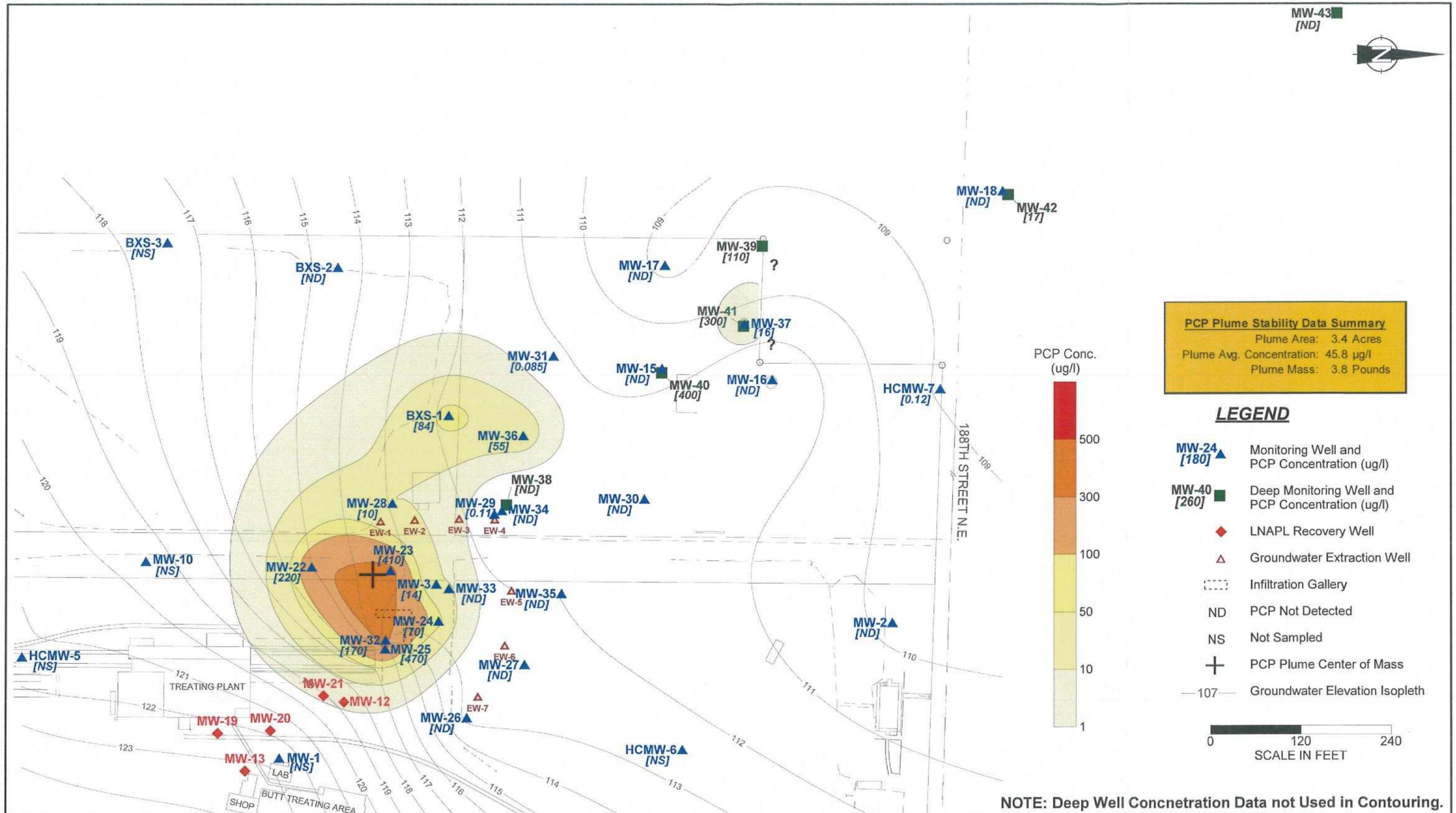
EARTHCON
Environmental Challenges
BUSINESS SOLUTIONS

PENTACHLOROPHENOL ISOPLETH MAP - May 2011
Former J.H. Baxter and Co. Wood Treating Facility
Arlington, Washington

Prepared By: JAR

Date: 08/28/13

Figure 21



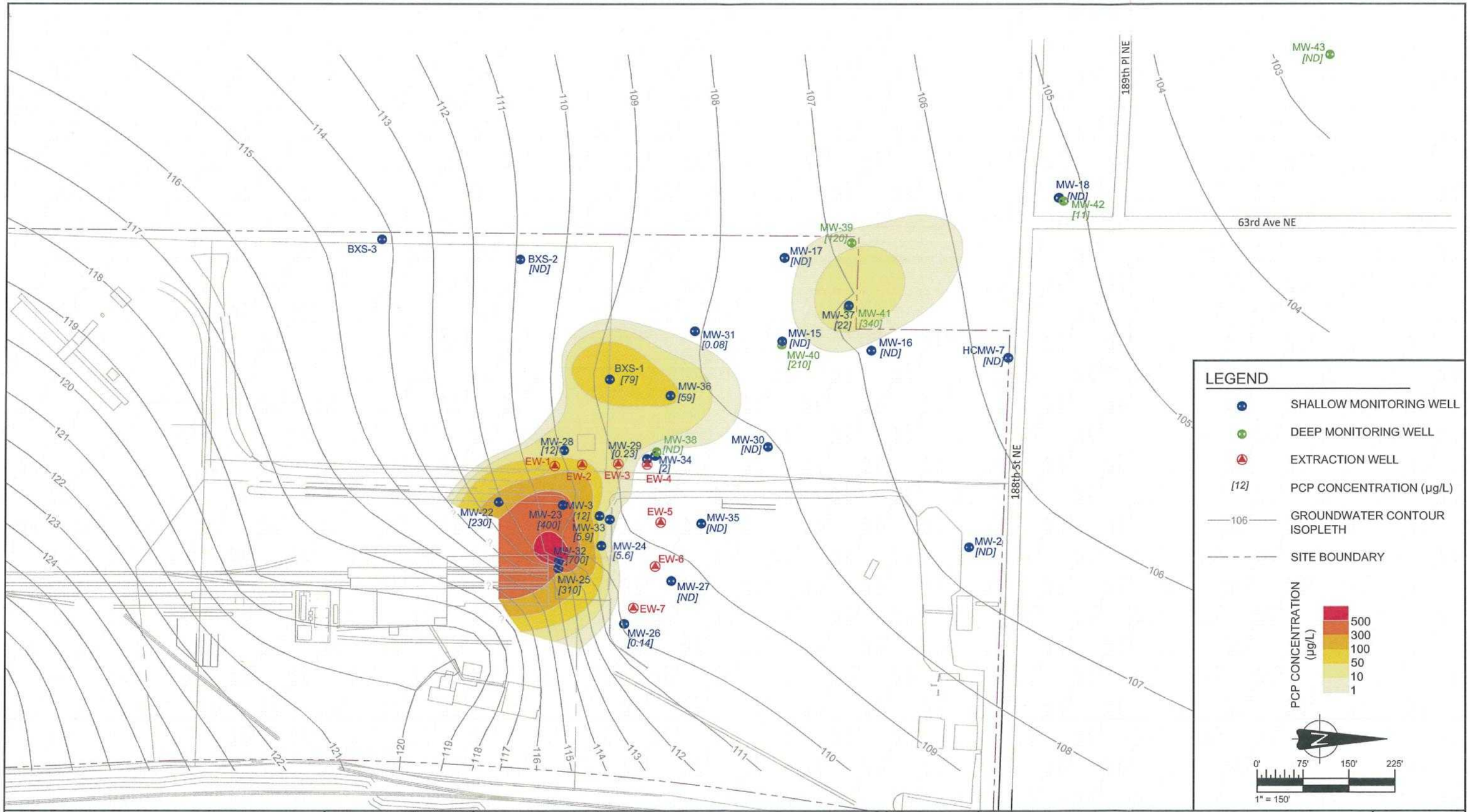
EARTHCON
Environmental Challenges
BUSINESS SOLUTIONS

PENTACHLOROPHENOL ISOPLETH MAP - August 2011
Former J.H. Baxter and Co. Wood Treating Facility
Arlington, Washington

Prepared By: KMG

Date: 08/28/13

Figure 22



NOTES:

UNITS	µg/L
ND	Undetected
NA	Not Analyzed

CLIENT: J.H. BAXTER

AMEC
7376 S.W. Durham Road
Portland, OR. U.S.A. 97224

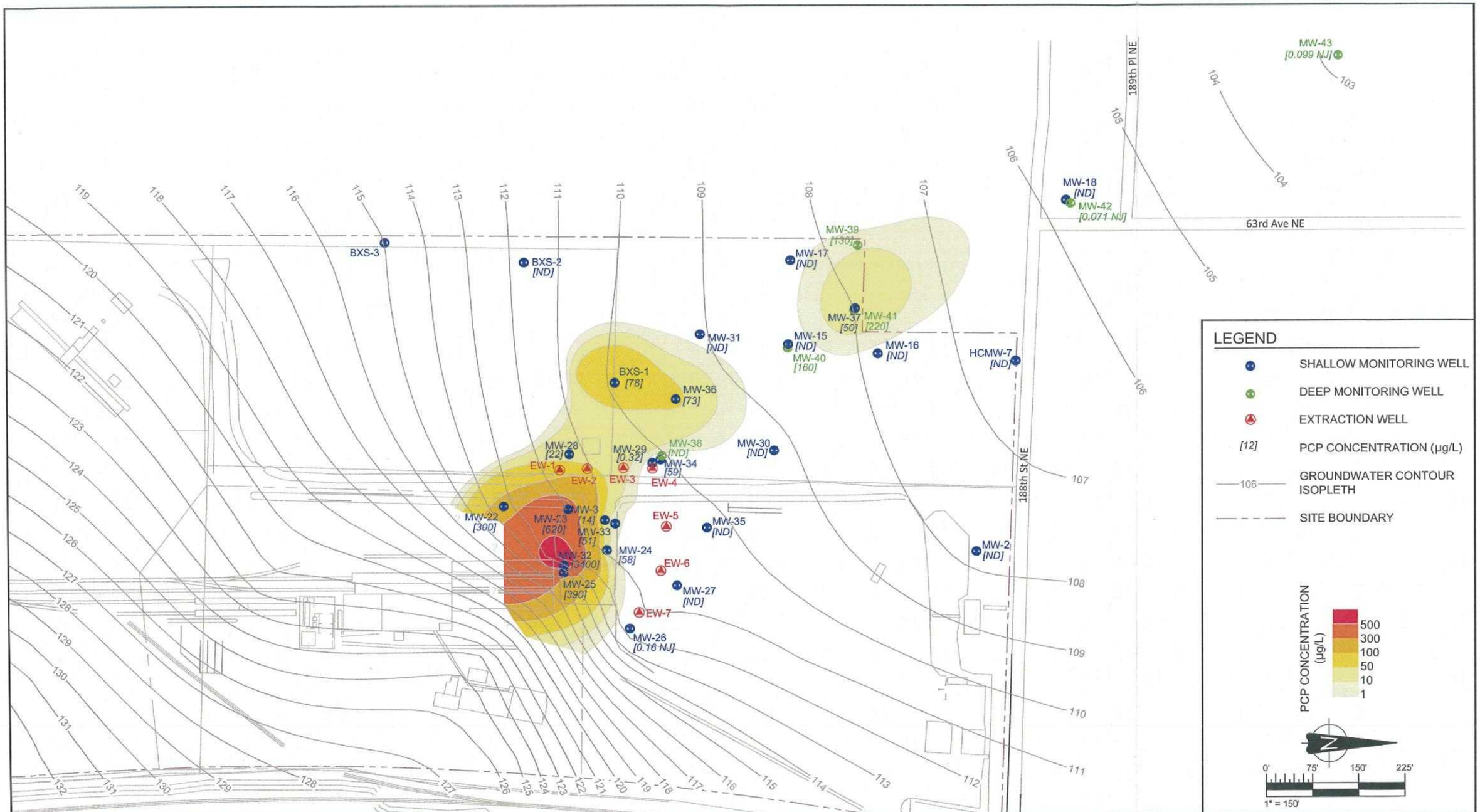
DWN BY:	PM
CHK'D BY:	SB
DATUM:	-
PROJECTION:	-
SCALE:	1"=150'

PROJECT: FORMER J.H. BAXTER AND CO.
WOOD TREATING FACILITY
ARLINGTON, WA

TITLE: PENTACHLOROPHENOL ISOPLETH MAP
NOVEMBER 2011

DATE:	MARCH 2012
PROJECT NO:	161M125610
REV. NO.:	A
FIGURE No.	23

K:\12000\12500\12561\125611\DWG\2Q2013\Figure 23 – Penta Isopleth Map – November 2011 – 2Q2013.dwg – –23 – Aug. 28, 2013 3:03pm – stephane.descombes



NOTES:

UNITS	µg/L
ND	Undetected
NJ	Tentatively Identified Analyte; Estimated Value

CLIENT: J.H. BAXTER

AMEC
7376 S.W. Durham Road
Portland, OR. U.S.A. 97224

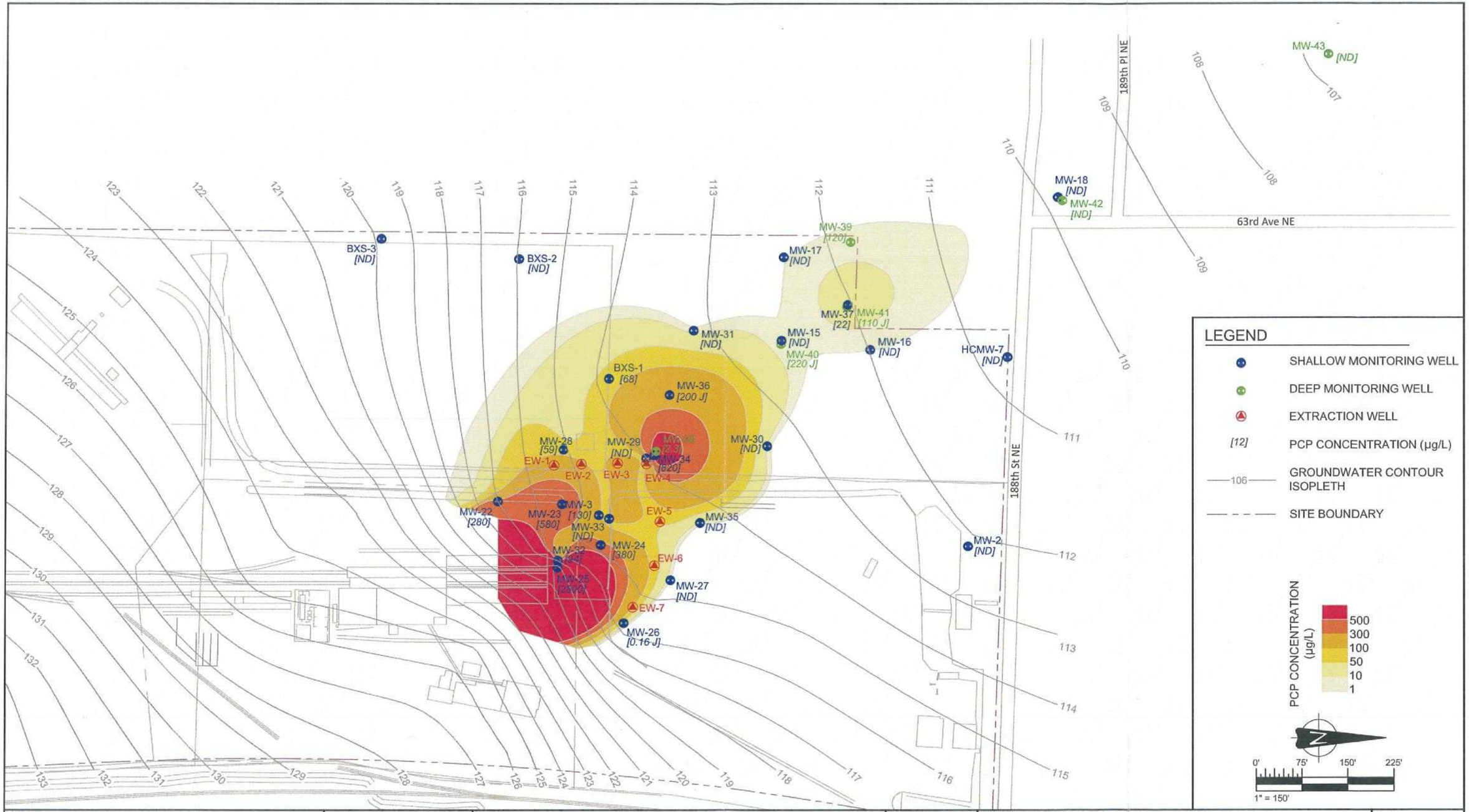
DWN BY:	PM
CHK'D BY:	SB
DATUM:	-
PROJECTION:	-
SCALE:	1"=150'

PROJECT: FORMER J.H. BAXTER AND CO.
WOOD TREATING FACILITY
ARLINGTON, WA

TITLE: PENTACHLOROPHENOL ISOPLETH MAP
FEBRUARY 2012

DATE:	APRIL 2012
PROJECT NO:	161M125610
REV. NO.:	A
FIGURE No.	24

K:\12000\12500\12561\125611\DWG\2Q2013\Figure 24 – Penta Isopleth Map – February 2012 – 2Q2013.dwg – –24 – Aug. 28, 2013 3:04pm – stephane.descombes



NOTES:
UNITS µg/L
ND Undetected
NJ Tentatively Identified Analyte; Estimated Value

CLIENT: J.H. BAXTER

AMEC
7376 S.W. Durham Road
Portland, OR. U.S.A. 97224

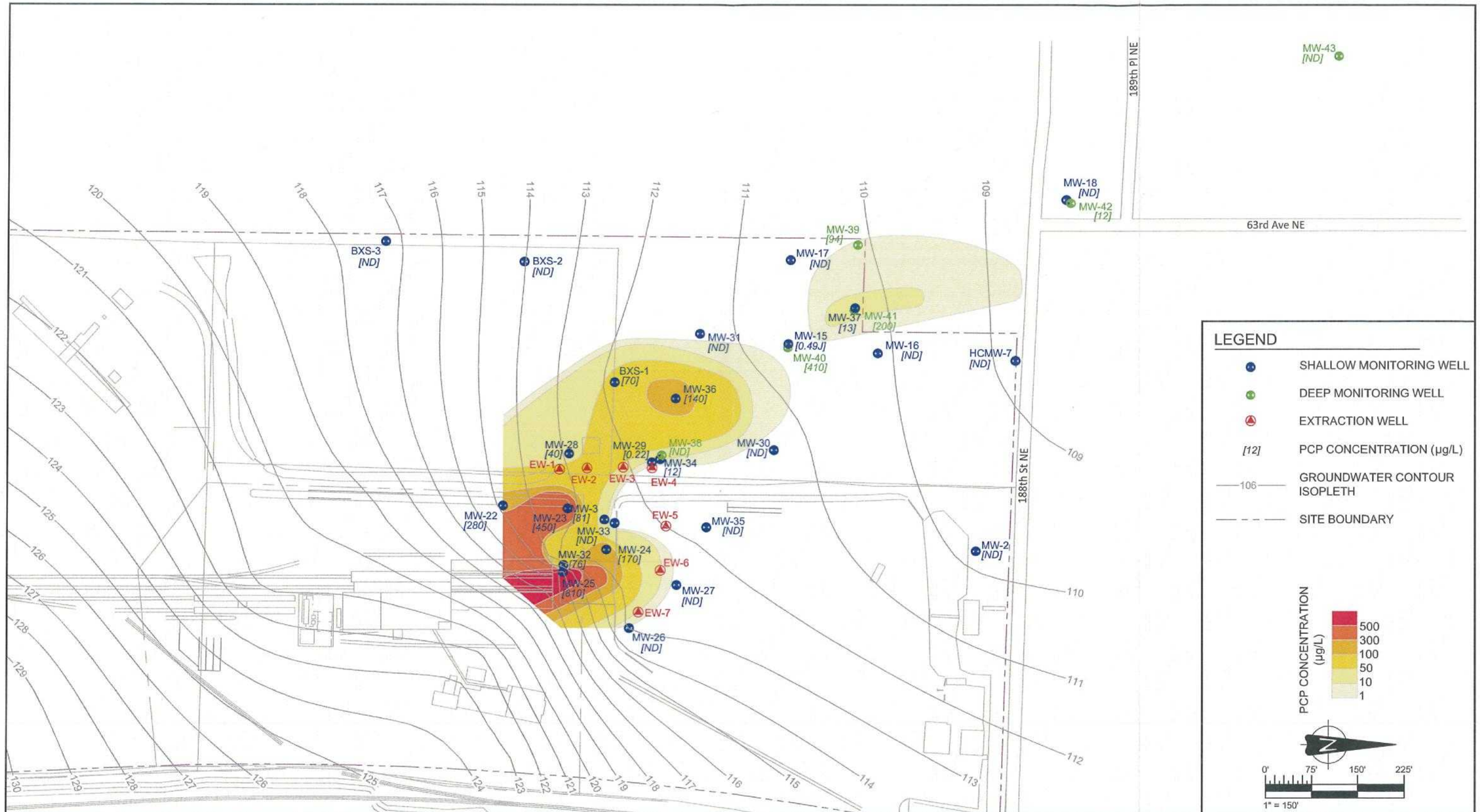
DWN BY:	PM
CHK'D BY:	SB
DATUM:	-
PROJECTION:	-
SCALE:	1"=150'

PROJECT: FORMER J.H. BAXTER AND CO.
WOOD TREATING FACILITY
ARLINGTON, WA

TITLE: PENTACHLOROPHENOL ISOPLETH MAP
MAY 2012

DATE:	NOVEMBER 2012
PROJECT NO:	161M125610
REV. NO.:	A
FIGURE No.	25

K:\12000\12500\12561\125611\DWG\2Q2013\Figure 25-26-27 - 2Q2013.dwg - -25 - Aug. 28, 2013 3:06pm - stephane.descombes



NOTES:

UNITS	µg/L
ND	Undetected
NJ	Tentatively Identified Analyte; Estimated Value

CLIENT: J.H. BAXTER

AMEC
7376 S.W. Durham Road
Portland, OR. U.S.A. 97224

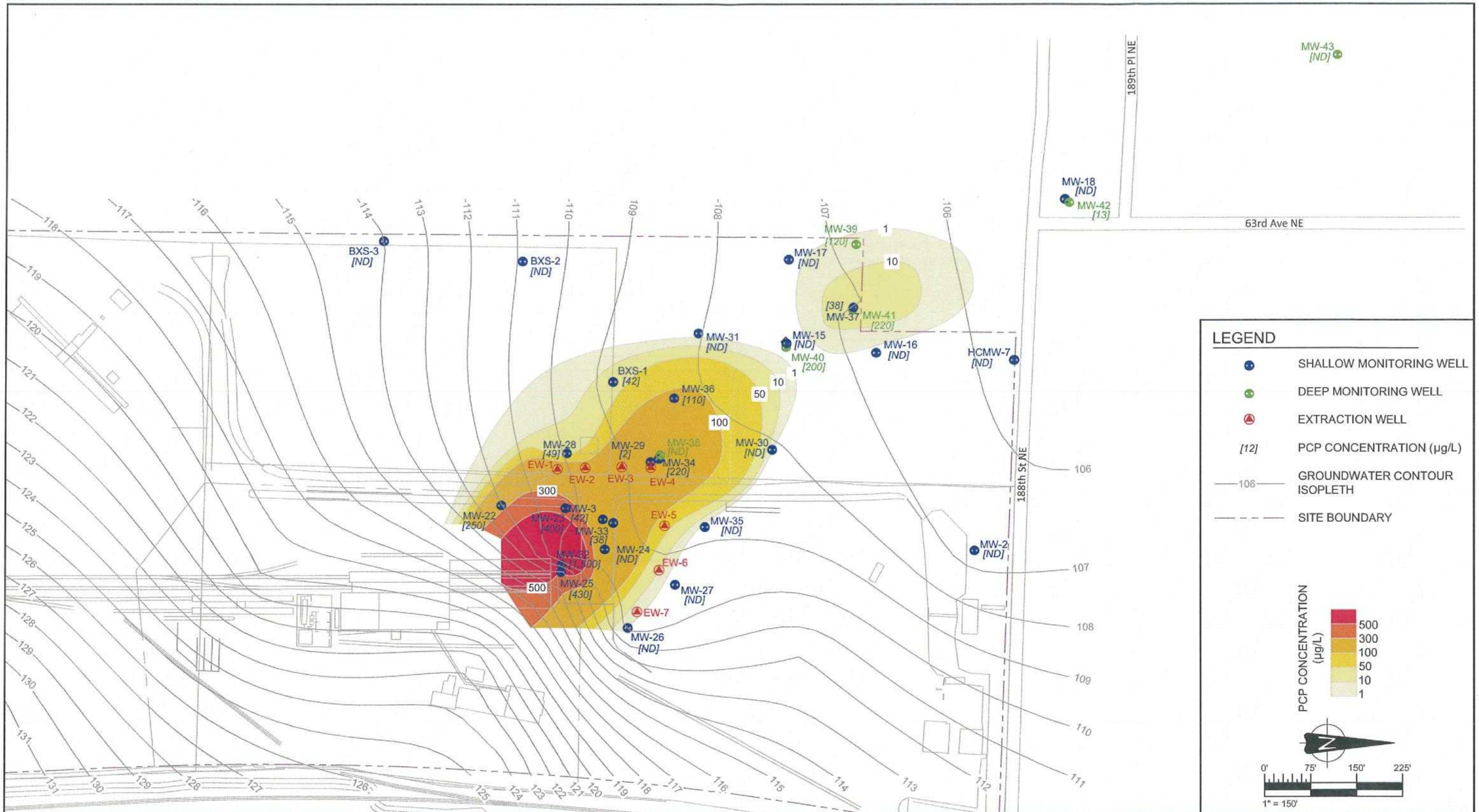
DWN BY:	PM
CHK'D BY:	SB
DATUM:	-
PROJECTION:	-
SCALE:	1"=150'

PROJECT: FORMER J.H. BAXTER AND CO.
WOOD TREATING FACILITY
ARLINGTON, WA

TITLE: PENTACHLOROPHENOL ISOPLETH MAP
AUGUST 2012

DATE:	NOVEMBER 2012
PROJECT NO:	161M125611
REV. NO.:	A
FIGURE No.	26

K:\12000\12500\12561\125611\DWG\2Q2013\Figure 25-26-27 - 2Q2013.dwg - -26 - Aug. 28, 2013 3:06pm - stephane.descombes



NOTES:

UNITS	µg/L
ND	Undetected
NJ	Tentatively Identified Analyte; Estimated Value

CLIENT: J.H. BAXTER

AMEC
7376 S.W. Durham Road
Portland, OR. U.S.A. 97224

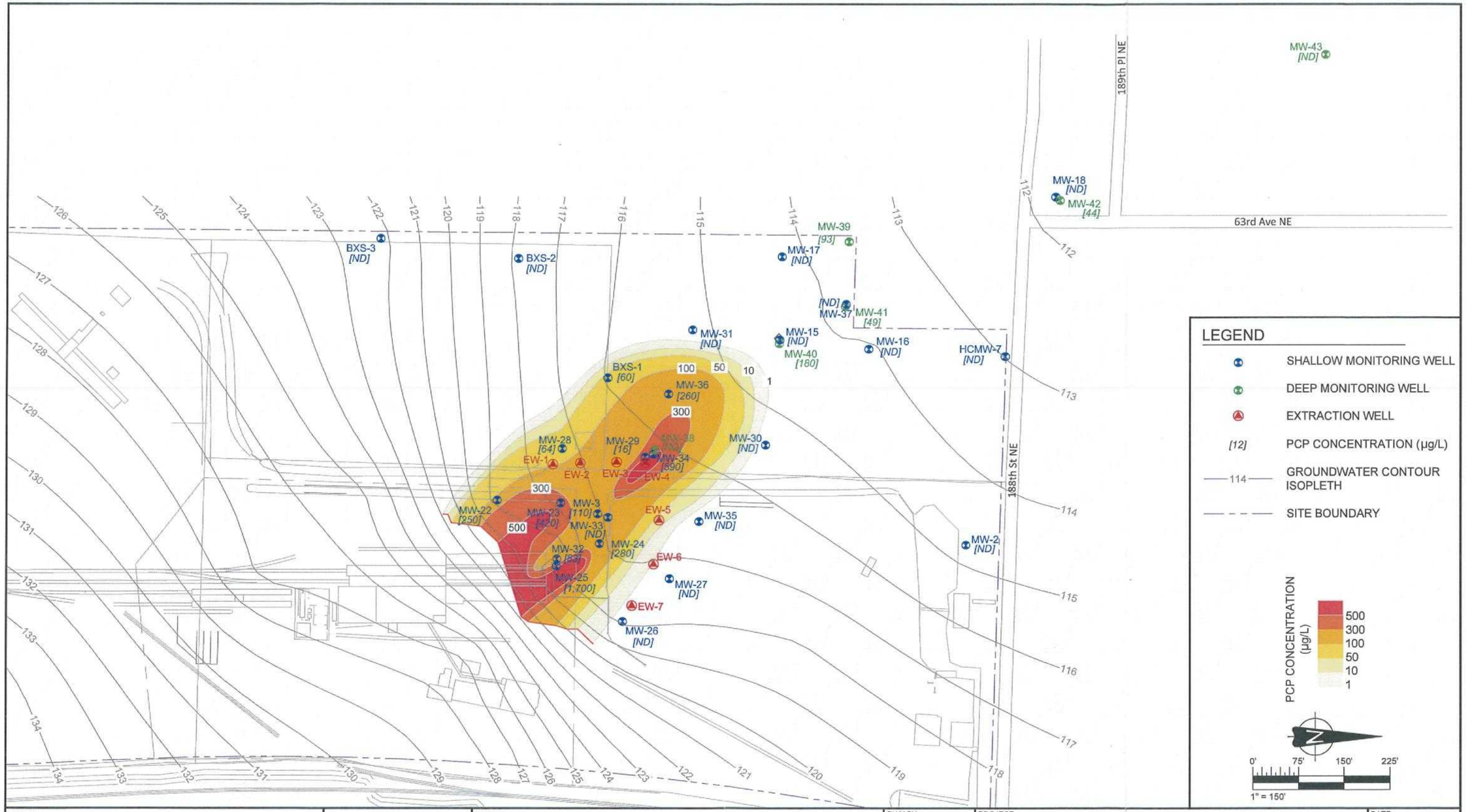
DWN BY:	PM
CHK'D BY:	SB
DATUM:	-
PROJECTION:	-
SCALE:	1"=150'

PROJECT: FORMER J.H. BAXTER AND CO.
WOOD TREATING FACILITY
ARLINGTON, WA

TITLE: PENTACHLOROPHENOL ISOPLETH MAP
NOVEMBER 2012

DATE:	NOVEMBER 2012
PROJECT NO:	161M125611
REV. NO.:	A
FIGURE No.	27

K:\12000\12500\12561\125611\DWG\2Q2013\Figure 25-26-27 - 2Q2013.dwg - -27 - Aug. 28, 2013 3:06pm - stephane.descombes



NOTES:

UNITS	µg/L
ND	Undetected
NJ	Tentatively Identified Analyte; Estimated Value

CLIENT: J.H. BAXTER

AMEC
7376 S.W. Durham Road
Portland, OR. U.S.A. 97224

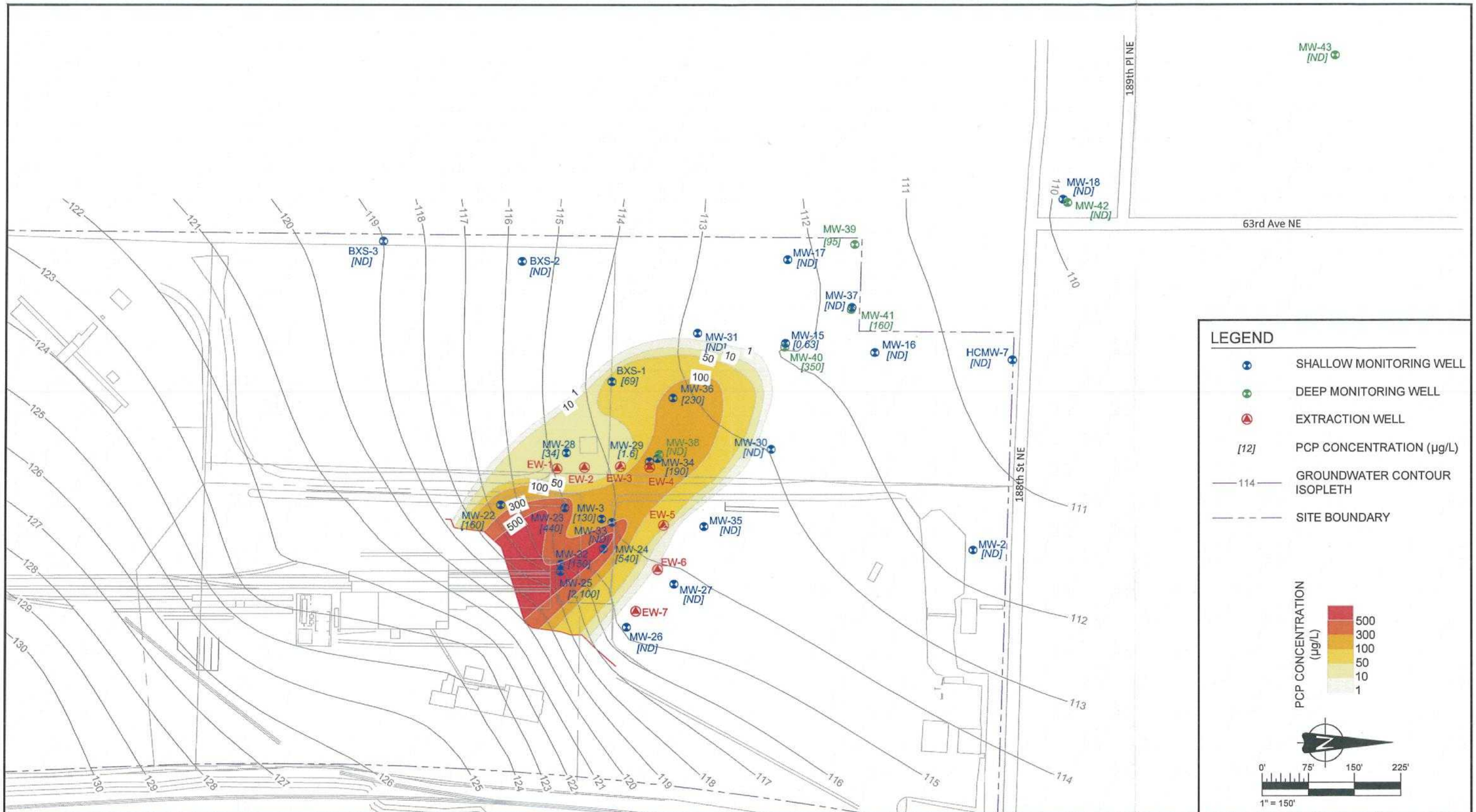
DWN BY:	PM
CHK'D BY:	SB
DATUM:	-
PROJECTION:	-
SCALE:	1"=150'

PROJECT: FORMER J.H. BAXTER AND CO.
WOOD TREATING FACILITY
ARLINGTON, WA

TITLE: PENTACHLOROPHENOL ISOPLETH MAP
FEBRUARY 2013

DATE:	AUGUST 2013
PROJECT NO:	361M125611
REV. NO.:	A
FIGURE No.	28

K:\12000\12500\12561\125611\DWG\2Q2013\Figure 28 – Penta Isopleth Map – February 2013 – 2Q2013.dwg – –28 – Aug. 28, 2013 3:05pm – stephane.descombes



NOTES:

UNITS	µg/L
ND	Undetected
NJ	Tentatively Identified Analyte; Estimated Value

CLIENT: J.H. BAXTER

AMEC
7376 S.W. Durham Road
Portland, OR. U.S.A. 97224

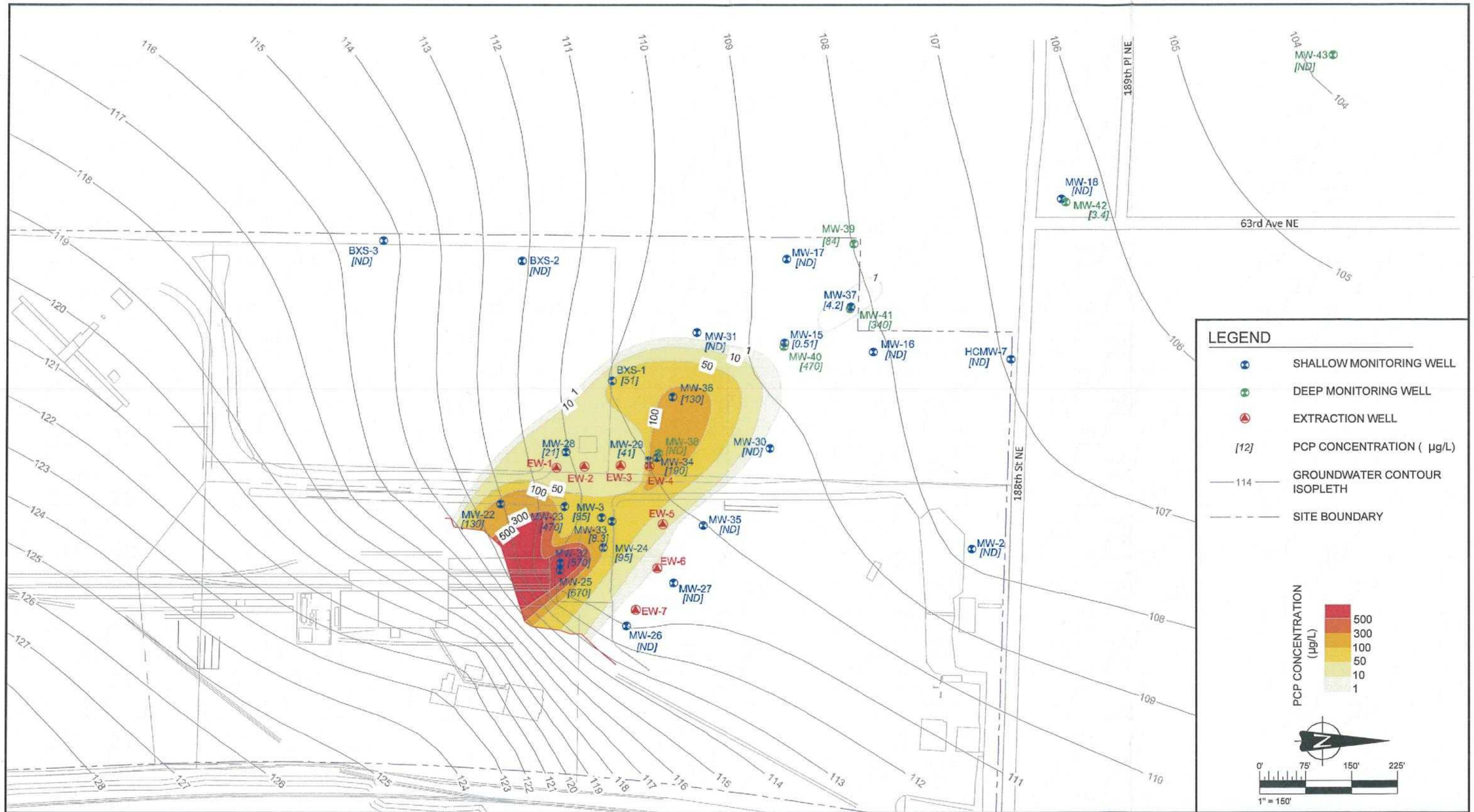
DWN BY:	PM
CHK'D BY:	SB
DATUM:	-
PROJECTION:	-
SCALE:	1"=150'

PROJECT: FORMER J.H. BAXTER AND CO.
WOOD TREATING FACILITY
ARLINGTON, WA

TITLE: PENTACHLOROPHENOL ISOPLETH MAP
JUNE 2013

DATE:	AUGUST 2013
PROJECT NO.:	361M125611
REV. NO.:	A
FIGURE NO.:	29

K:\12000\12500\12561\125611\DWG\2Q2013\Figure 7-29-34 - 2Q2013.dwg - -29 - Dec. 06, 2013 2:22pm - stephane.descombes



NOTES:

UNITS	µg/L
ND	Undetected
NJ	Tentatively Identified Analyte; Estimated Value

CLIENT: J.H. BAXTER

AMEC
7376 S.W. Durham Road
Portland, OR. U.S.A. 97224

DWN BY:	PM
CHK'D BY:	SB
DATUM:	-
PROJECTION:	-
SCALE:	1"=150'

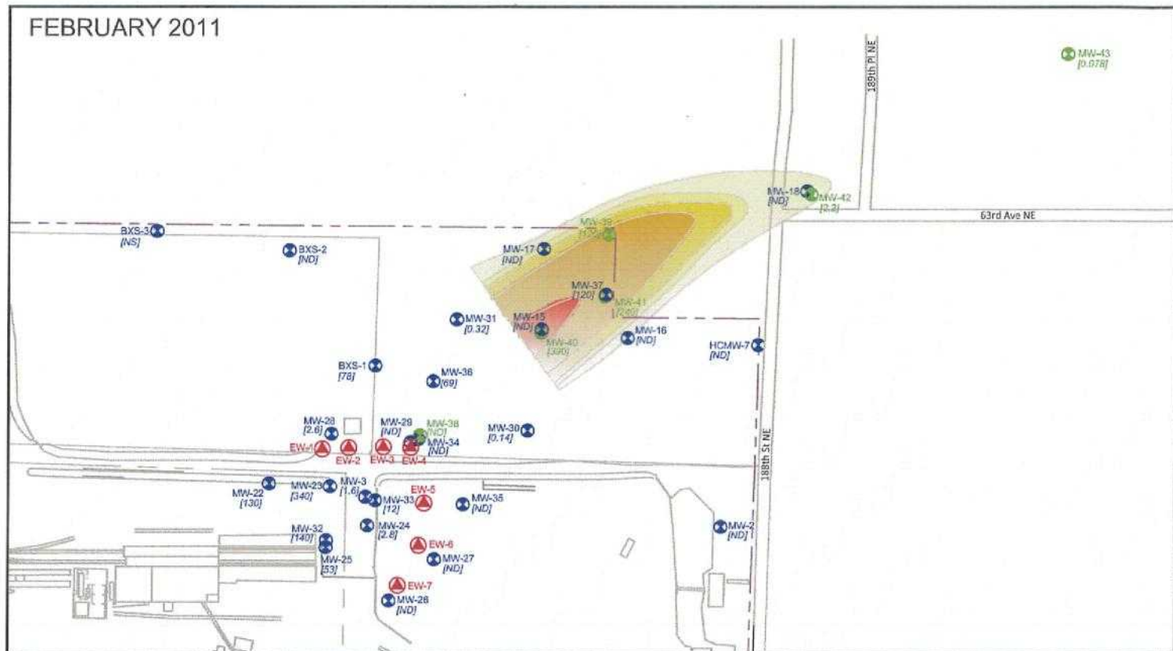
PROJECT: FORMER J.H. BAXTER AND CO. WOOD TREATING FACILITY ARLINGTON, WA

TITLE: PENTACHLOROPHENOL ISOPLETH MAP AUGUST 2013

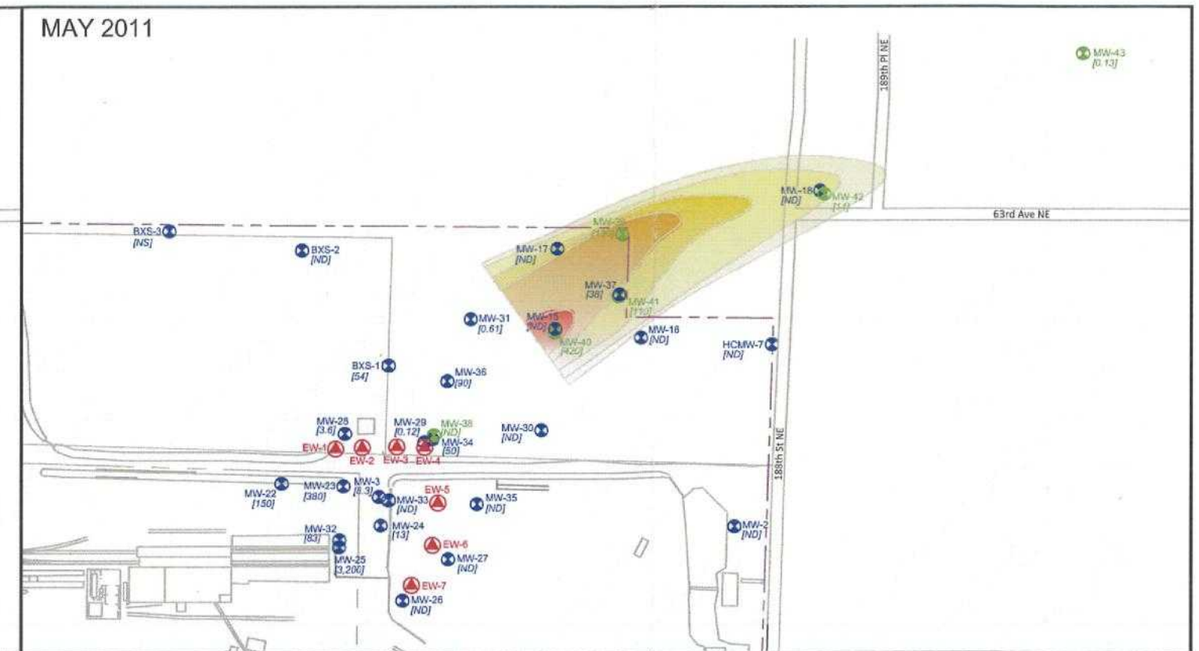
DATE:	FEBRUARY 2014
PROJECT NO.:	361M125611
REV. NO.:	A
FIGURE NO.:	30

K:\12000\12500\12561\125612\DWG\3Q2013\Figure 7-30-35 - 3Q2013.dwg - -30 - Feb. 14, 2014 3:27pm - stephane.descombes

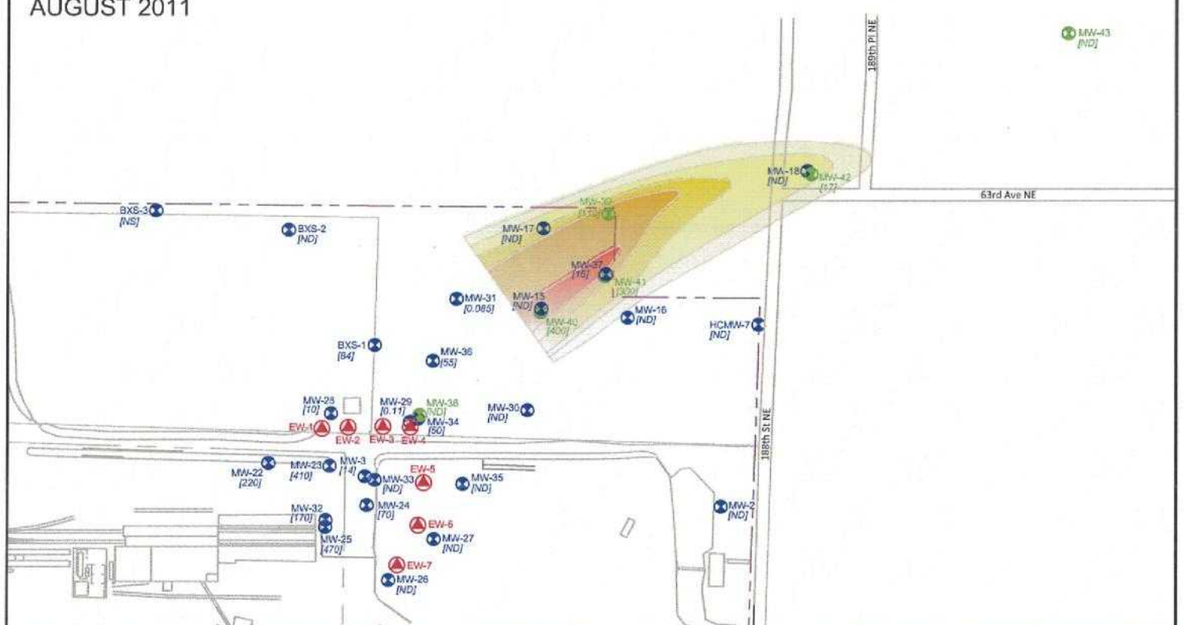
FEBRUARY 2011



MAY 2011



AUGUST 2011



LEGEND

- SHALLOW MONITORING WELL
- DEEP MONITORING WELL
- EXTRACTION WELL
- [12] PCP CONCENTRATION (µg/L)
- SITE BOUNDARY

PCP CONCENTRATION (µg/L)

500
300
100
50
10
1

NOTES:

UNITS	µg/L
ND	Undetected
NA	Not Analyzed

N

0' 175' 250' 325'

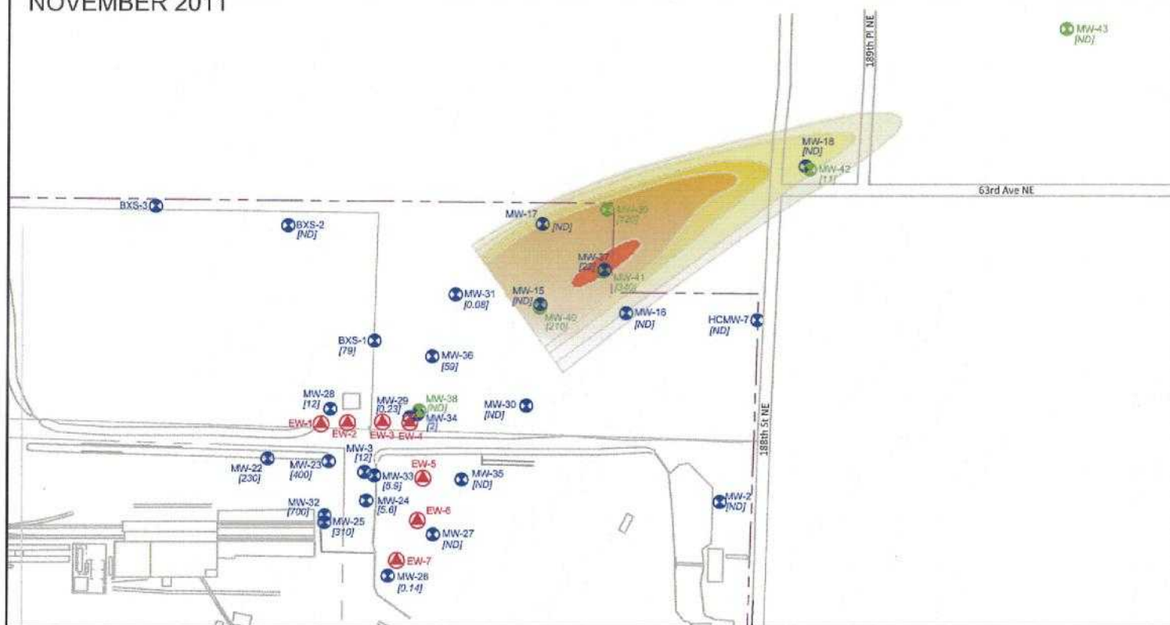
1" = 250'

JH Baxter	CLIENT: J.H. BAXTER	DWN BY: PM/SD CHK'D BY: SB DATUM: - PROJECTION: - SCALE: 1"=250'	PROJECT: FORMER J.H. BAXTER AND CO. WOOD TREATING FACILITY ARLINGTON, WA
	AMEC 7376 S.W. Durham Road Portland, OR. U.S.A. 97224	amec	TITLE: PENTACHLOROPHENOL ISOPLETH MAP FEBRUARY, MAY & NOVEMBER 2011 DEEPER ZONE ONLY

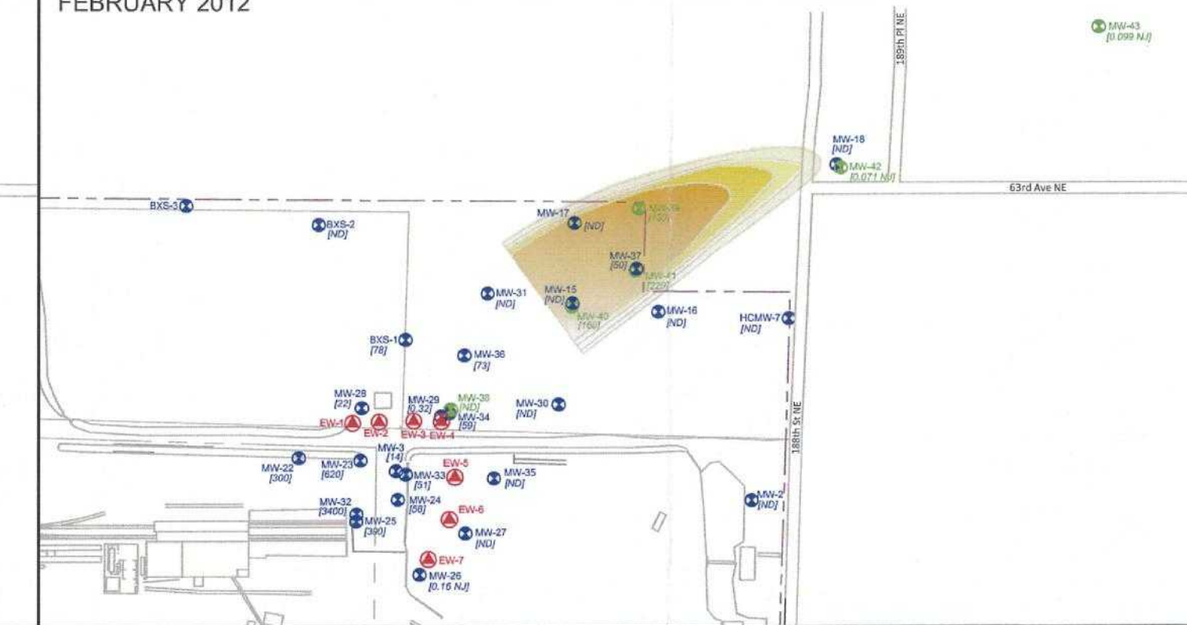
DATE: FEBRUARY 2014
PROJECT NO: 361M125611
REV. NO.: A
FIGURE No. 31

K:\12000\12500\12561\125612\DWG\3Q2013\Figure 31 – PCP Concentration – 3Q2013.dwg – – – Feb. 14, 2014 12:49pm – stephane.descombes

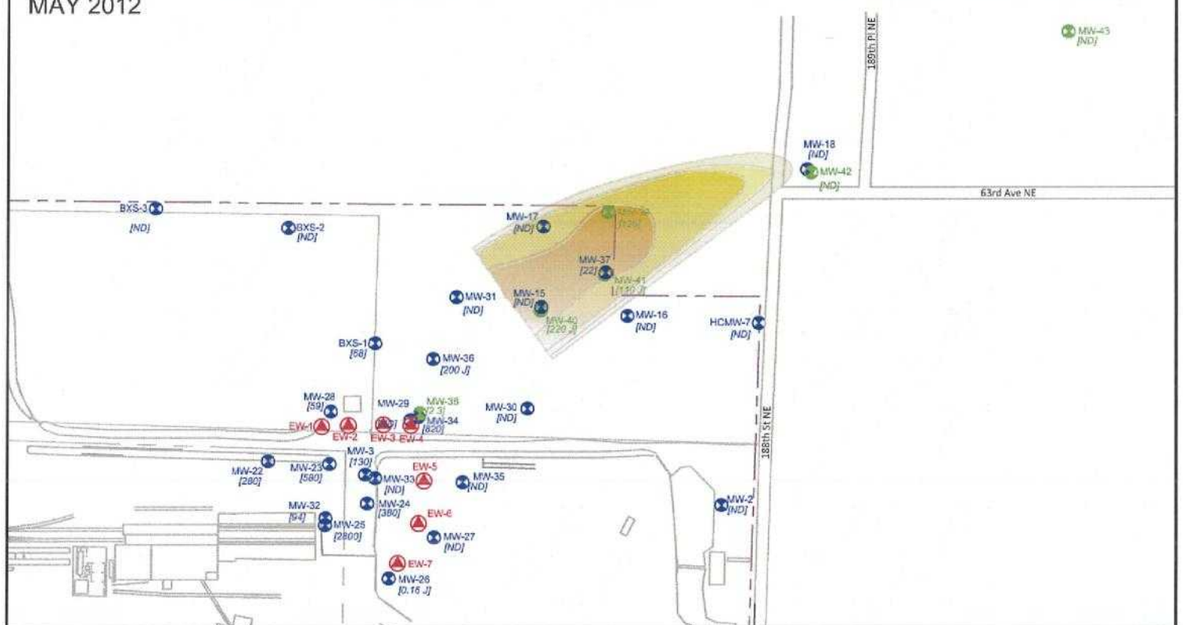
NOVEMBER 2011



FEBRUARY 2012



MAY 2012



LEGEND

- SHALLOW MONITORING WELL
- DEEP MONITORING WELL
- EXTRACTION WELL
- [12] PCP CONCENTRATION (µg/L)
- SITE BOUNDARY

NOTES:
UNITS µg/L
ND Undetected
NA Not Analyzed

PCP CONCENTRATION (µg/L)
500
300
100
50
10
1

N

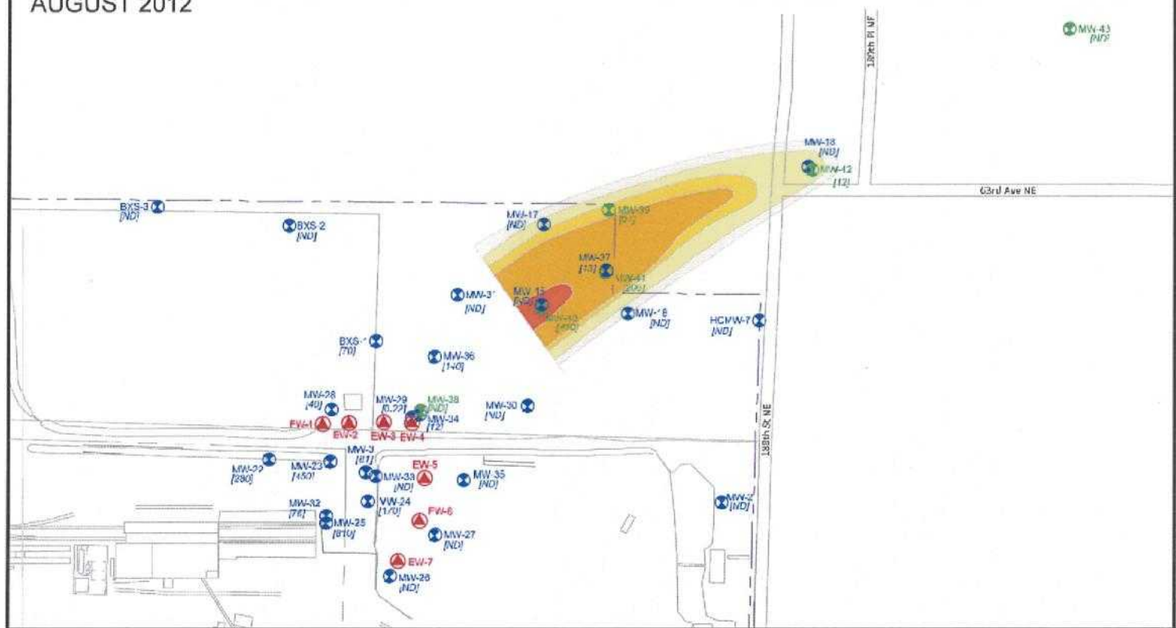
0' 175' 250' 325'
1" = 250'

J.H. Baxter	CLIENT: J.H. BAXTER	DWN BY: PM/SD CHK'D BY: SB DATUM: - PROJECTION: - SCALE: 1"=250'	PROJECT: FORMER J.H. BAXTER AND CO. WOOD TREATING FACILITY ARLINGTON, WA
	AMEC 7376 S.W. Durham Road Portland, OR. U.S.A. 97224 — amec		TITLE: PENTACHLOROPHENOL ISOPLETH MAP NOVEMBER 2011 & FEBRUARY & MAY 2012 DEEPER ZONE ONLY

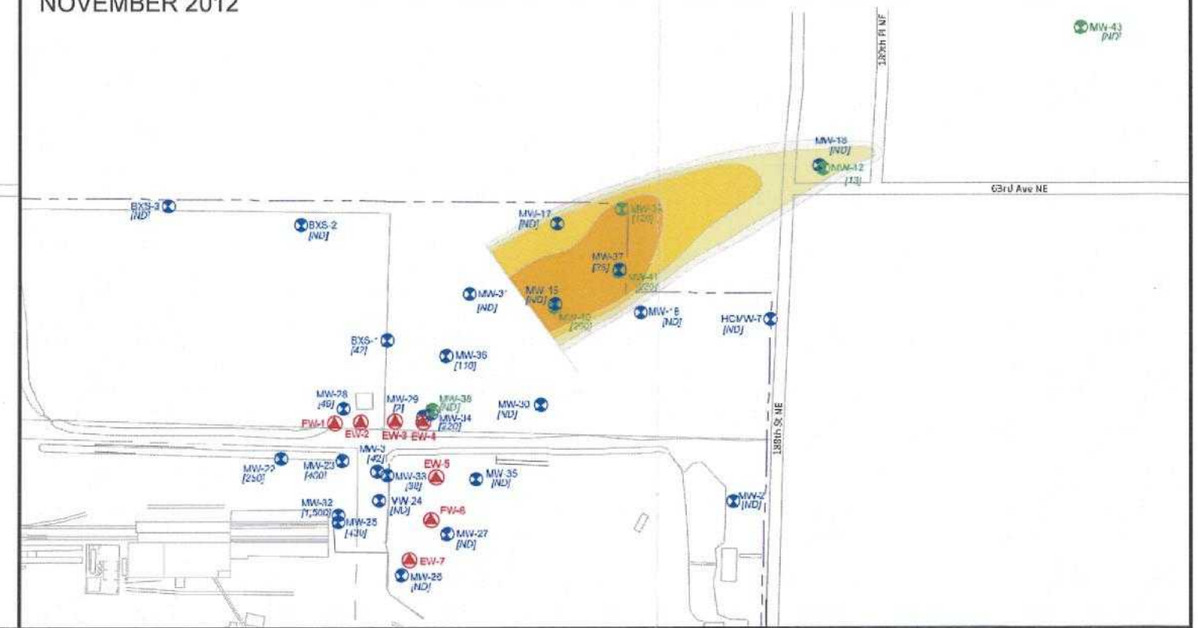
DATE: FEBRUARY 2014
PROJECT NO: 361M125611
REV. NO.: A
FIGURE No. 32

K:\12000\12500\12561\125612\DWG\3Q2013\Figure 32 – PCP Concentration – 3Q2013.dwg – – – Feb. 14, 2014 12:50pm – stephane.descombes

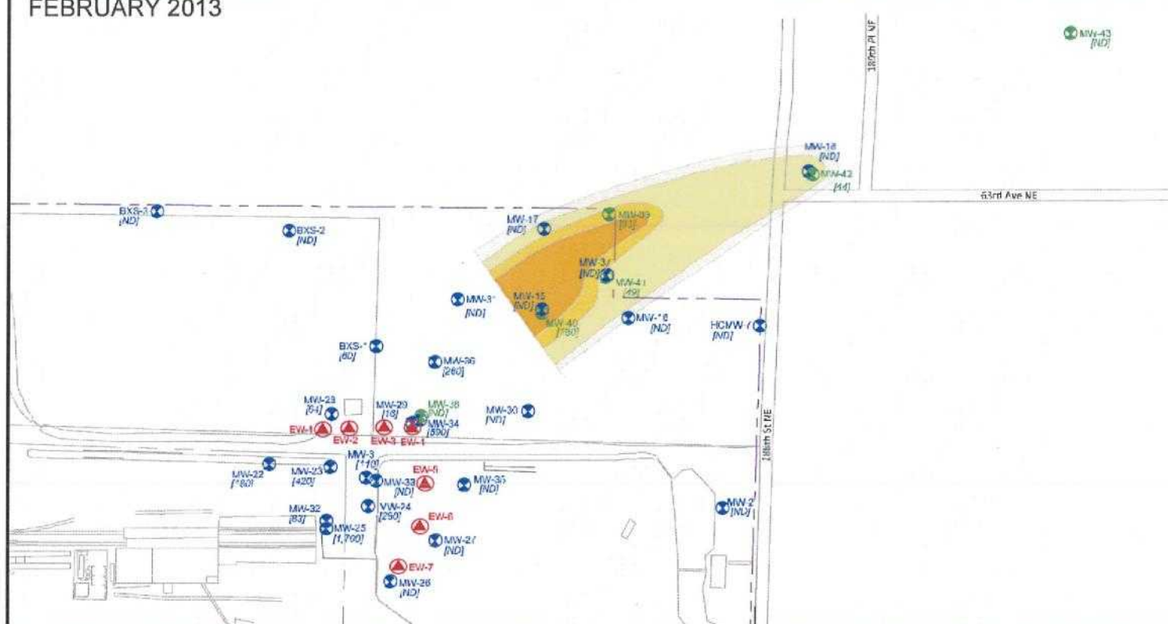
AUGUST 2012



NOVEMBER 2012



FEBRUARY 2013



LEGEND

- SHALLOW MONITORING WELL
- DEEP MONITORING WELL
- EXTRACTION WELL
- [18] PCP CONCENTRATION (µg/L)
- SITE BOUNDARY

PCP CONCENTRATION (µg/L)

- 500
- 300
- 100
- 50
- 10
- 1

NOTES:

UNITS	µg/L
ND	Undetected
NA	Not Analyzed

N

0' 175' 250' 325'

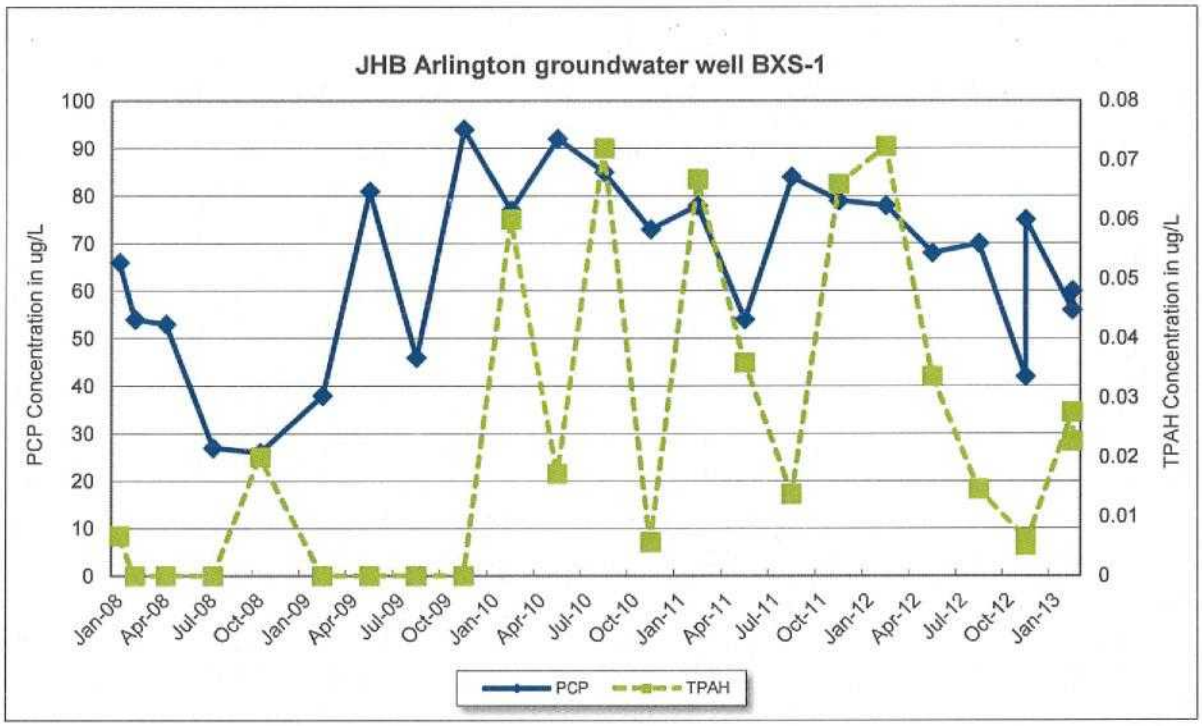
1" = 250'

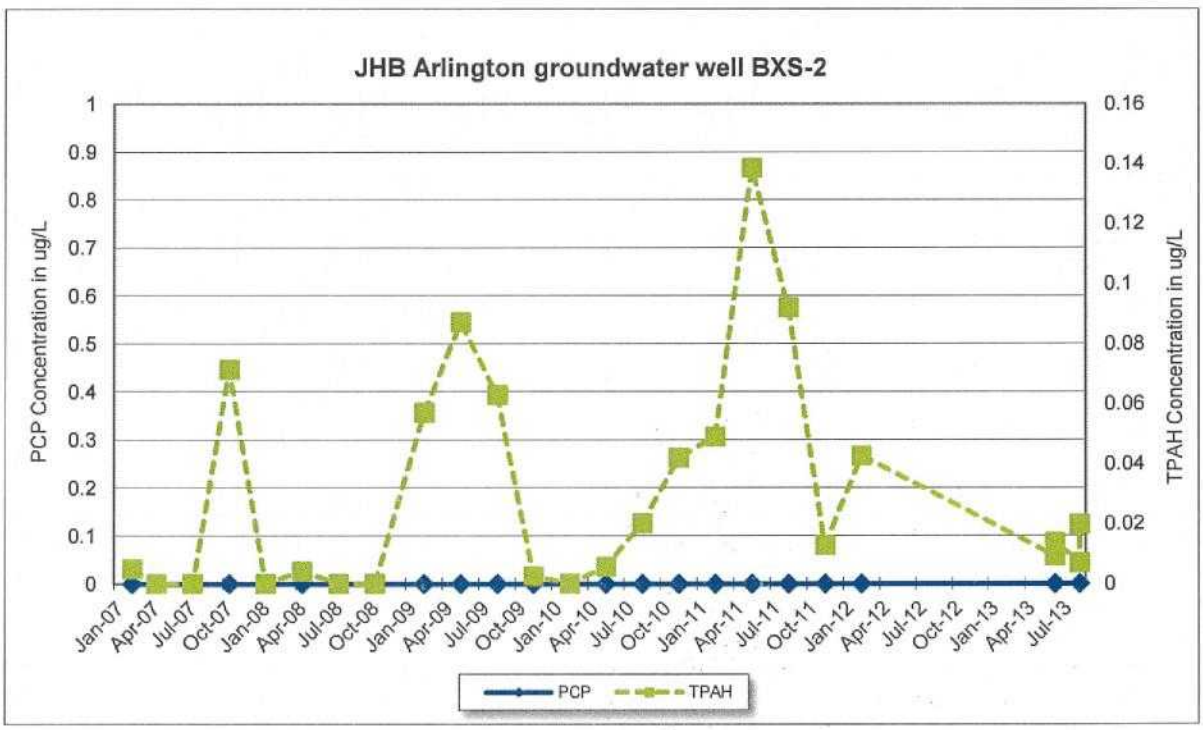
J.Baxter	CLIENT: J.H. BAXTER	DWN BY: PM/SD	PROJECT: FORMER J.H. BAXTER AND CO. WOOD TREATING FACILITY ARLINGTON, WA
		CHK'D BY: SB	DATE: FEBRUARY 2014
		DATUM: -	PROJECT NO: 361M125611
	AMEC 7376 S.W. Durham Road Portland, OR. U.S.A. 97224	PROJECTION: -	TITLE: PENTACHLOROPHENOL ISOPLETH MAP AUGUST 2012 & NOVEMBER 2012 & FEBRUARY 2013 DEEPER ZONE ONLY
	amec	SCALE: 1"=250'	REV. NO.: A
			FIGURE No. 33

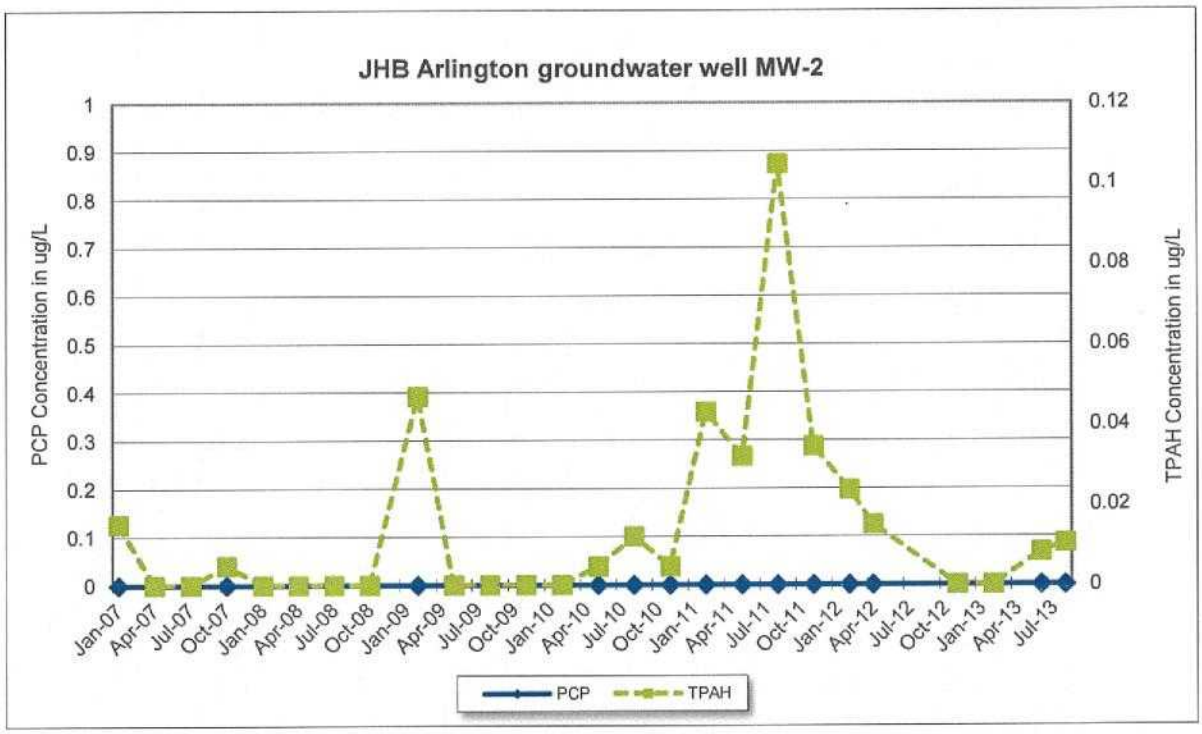
K:\12000\12500\12561\125612\DWG\3Q2013\Figure 33 - PCP Concentration - 3Q2013.dwg - - - Feb. 14, 2014 12:51pm - stephane.descombes

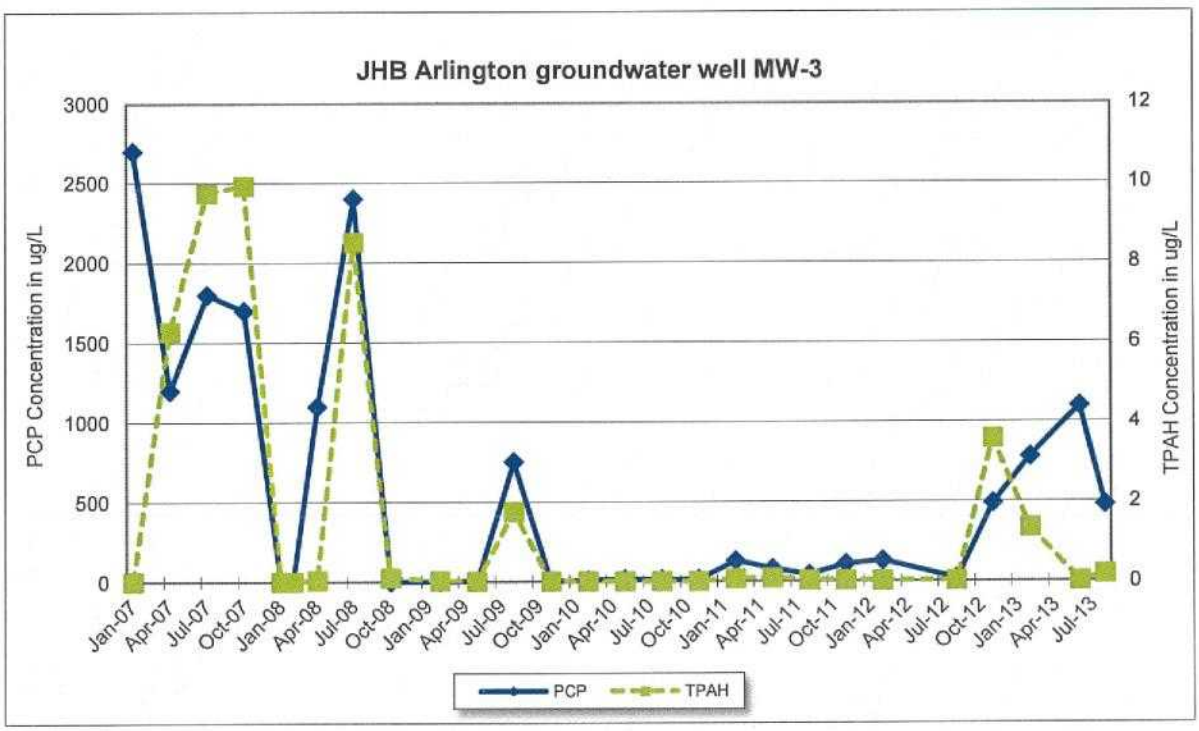
APPENDIX A

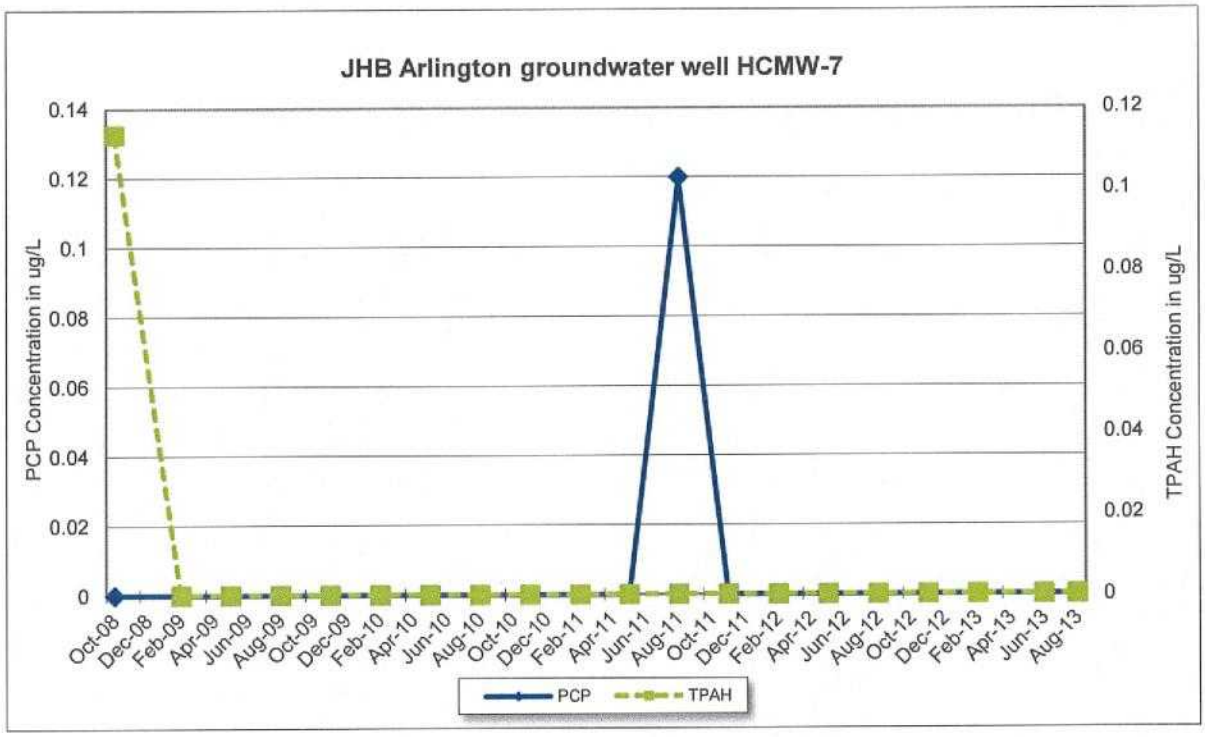
Time Series Plots - PCP and TPAH in Groundwater

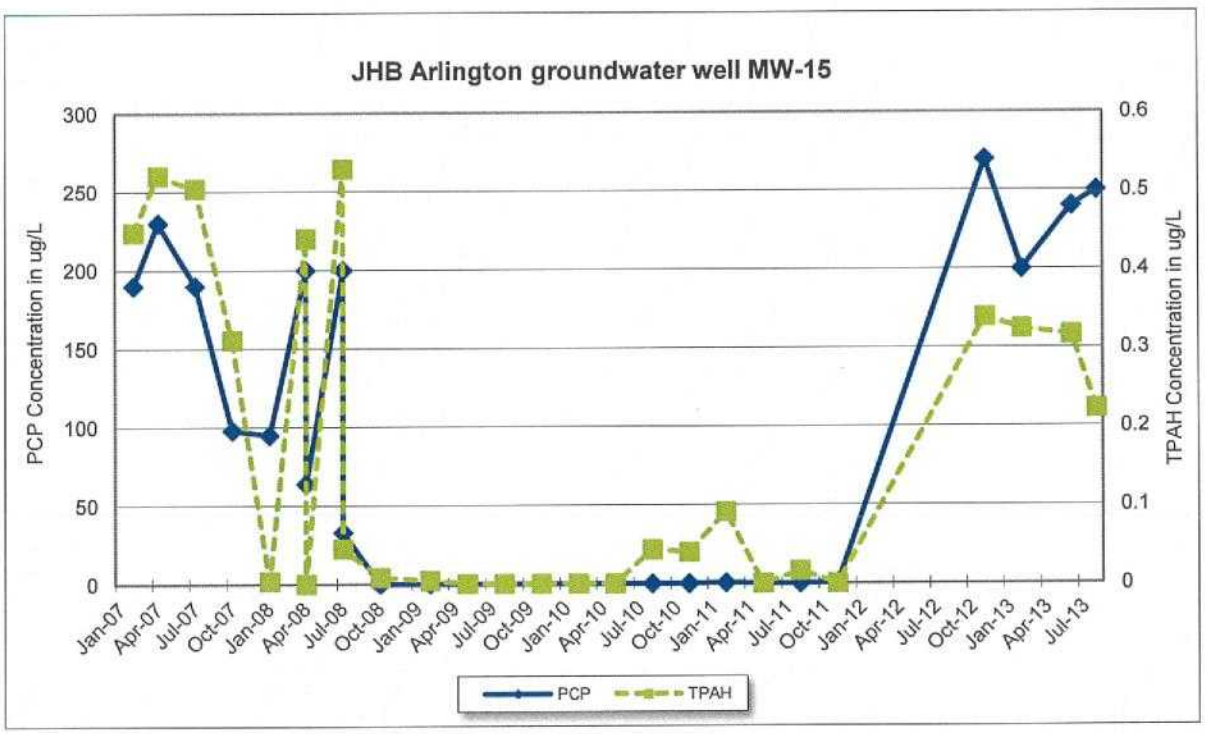

JHB Arlington groundwater well BXS-1
PCP Concentration in ug/L
TPAH Concentration in ug/L
100
90
80
70
60
50
40
30
20
10
0
0.08
0.07
0.06
0.05
0.04
0.03
0.02
0.01
0
Jan-08
Apr-08
Jul-08
Oct-08
Jan-09
Apr-09
Jul-09
Oct-09
Jan-10
Apr-10
Jul-10
Oct-10
Jan-11
Apr-11
Jul-11
Oct-11
Jan-12
Apr-12
Jul-12
Oct-12
Jan-13
PCP
TPAH

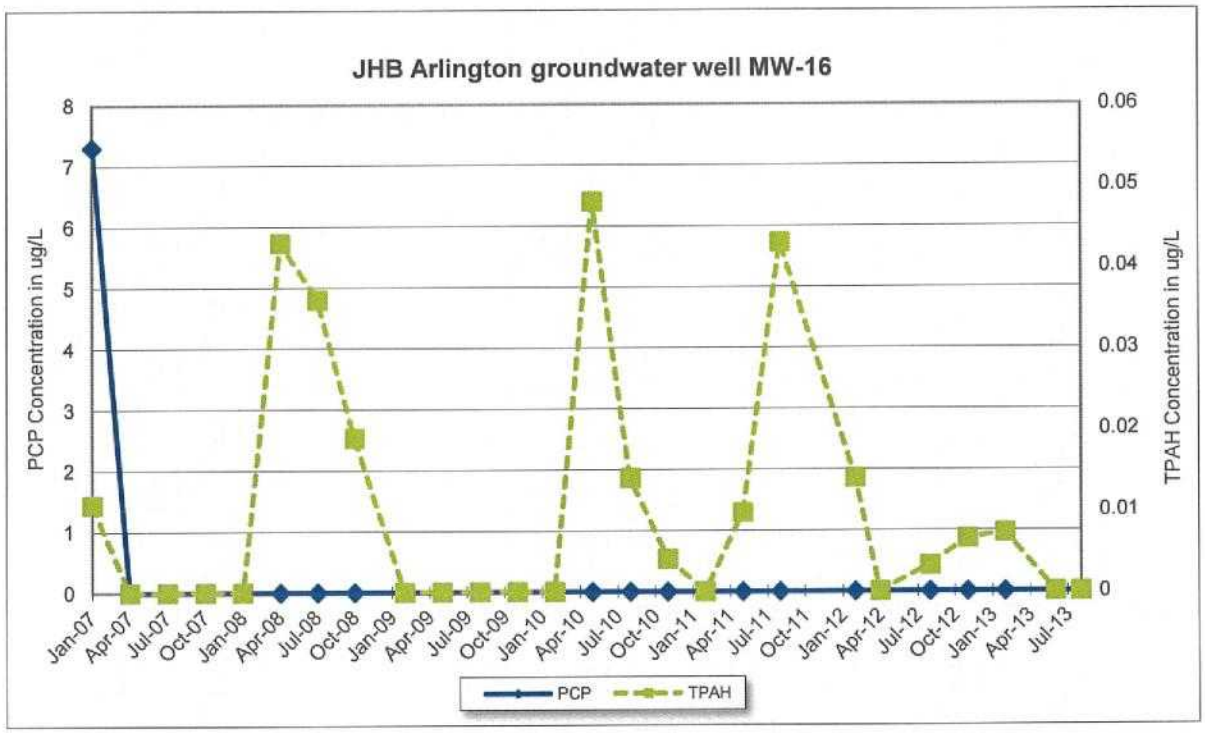

JHB Arlington groundwater well BXS-2
PCP Concentration in ug/L
TPAH Concentration in ug/L
1
0.9
0.8
0.7
0.6
0.5
0.4
0.3
0.2
0.1
0
0.16
0.14
0.12
0.1
0.08
0.06
0.04
0.02
0
Jan-07
Apr-07
Jul-07
Oct-07
Jan-08
Apr-08
Jul-08
Oct-08
Jan-09
Apr-09
Jul-09
Oct-09
Jan-10
Apr-10
Jul-10
Oct-10
Jan-11
Apr-11
Jul-11
Oct-11
Jan-12
Apr-12
Jul-12
Oct-12
Jan-13
Apr-13
Jul-13
PCP
TPAH

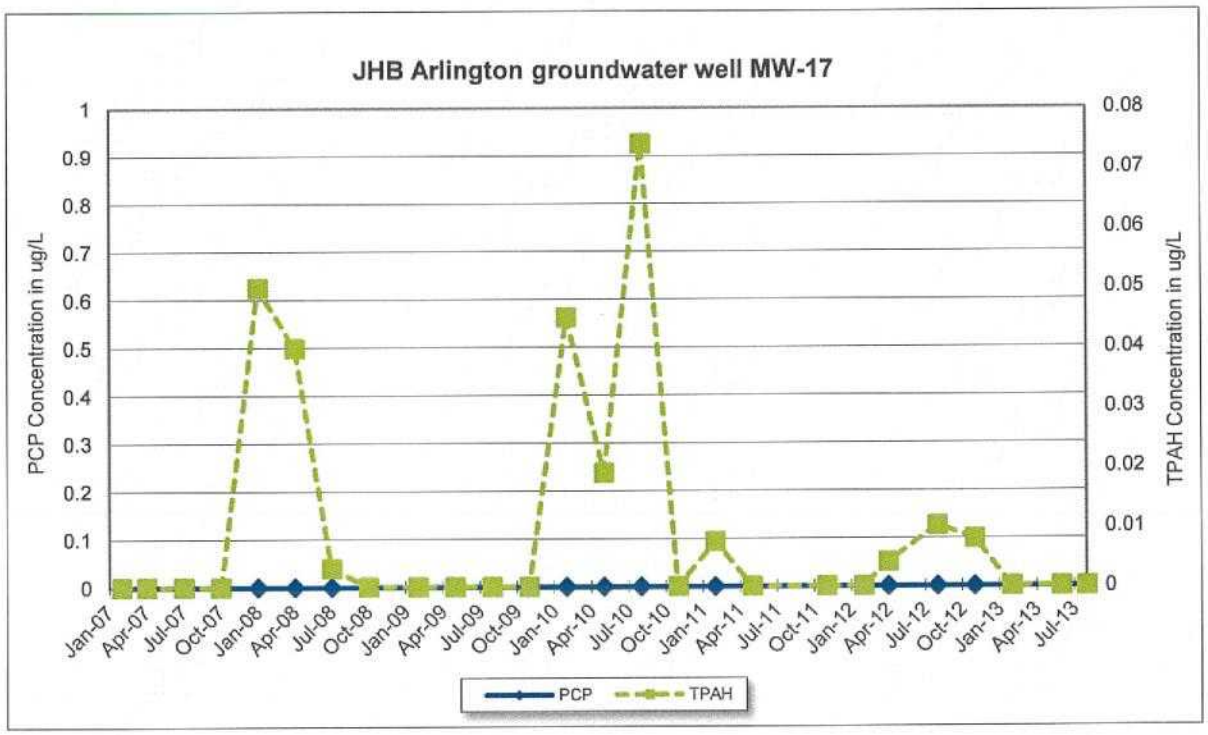

JHB Arlington groundwater well MW-2
PCP Concentration in ug/L
TPAH Concentration in ug/L
1
0.9
0.8
0.7
0.6
0.5
0.4
0.3
0.2
0.1
0
0.12
0.1
0.08
0.06
0.04
0.02
0
Jan-07
Apr-07
Jul-07
Oct-07
Jan-08
Apr-08
Jul-08
Oct-08
Jan-09
Apr-09
Jul-09
Oct-09
Jan-10
Apr-10
Jul-10
Oct-10
Jan-11
Apr-11
Jul-11
Oct-11
Jan-12
Apr-12
Jul-12
Oct-12
Jan-13
Apr-13
Jul-13
PCP
TPAH

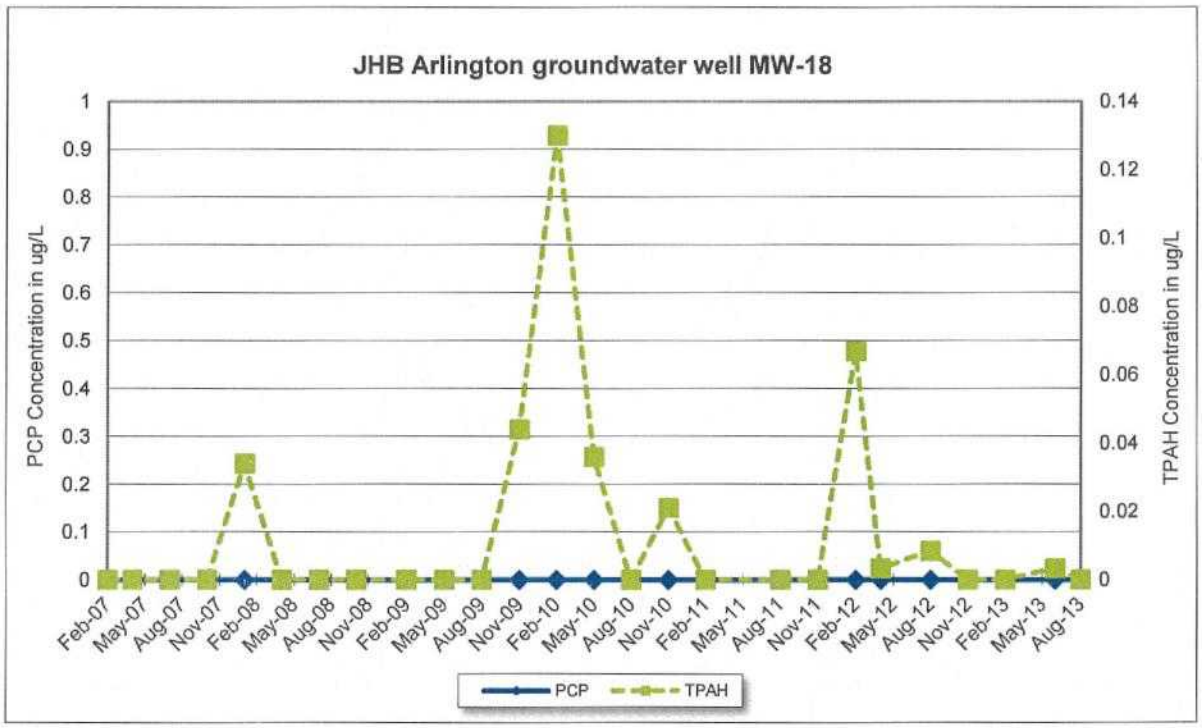

JHB Arlington groundwater well MW-3
PCP Concentration in ug/L
TPAH Concentration in ug/L
3000
2500
2000
1500
1000
500
0
12
10
8
6
4
2
0
Jan-07
Apr-07
Jul-07
Oct-07
Jan-08
Apr-08
Jul-08
Oct-08
Jan-09
Apr-09
Jul-09
Oct-09
Jan-10
Apr-10
Jul-10
Oct-10
Jan-11
Apr-11
Jul-11
Oct-11
Jan-12
Apr-12
Jul-12
Oct-12
Jan-13
Apr-13
Jul-13
PCP
TPAH

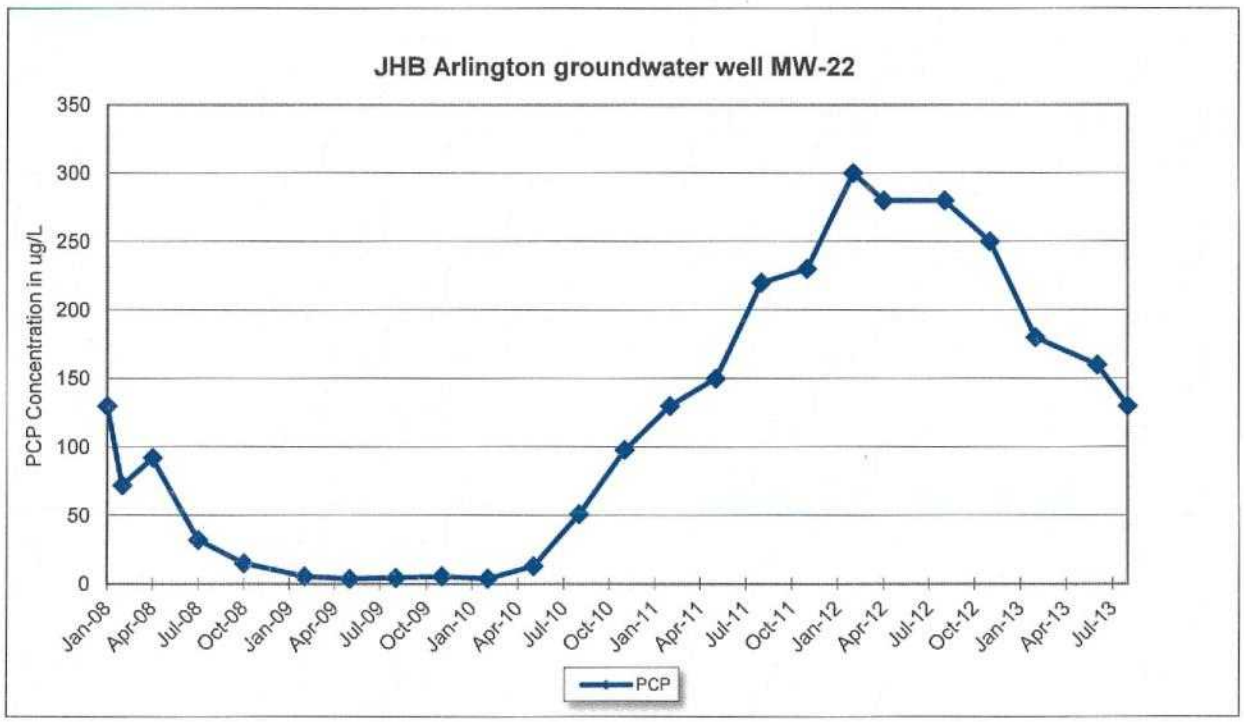

JHB Arlington groundwater well HCMW-7
PCP Concentration in ug/L
TPAH Concentration in ug/L
0.14
0.12
0.1
0.08
0.06
0.04
0.02
0
Oct-08
Dec-08
Feb-09
Apr-09
Jun-09
Aug-09
Oct-09
Dec-09
Feb-10
Apr-10
Jun-10
Aug-10
Oct-10
Dec-10
Feb-11
Apr-11
Jun-11
Aug-11
Oct-11
Dec-11
Feb-12
Apr-12
Jun-12
Aug-12
Oct-12
Dec-12
Feb-13
Apr-13
Jun-13
Aug-13
PCP
TPAH

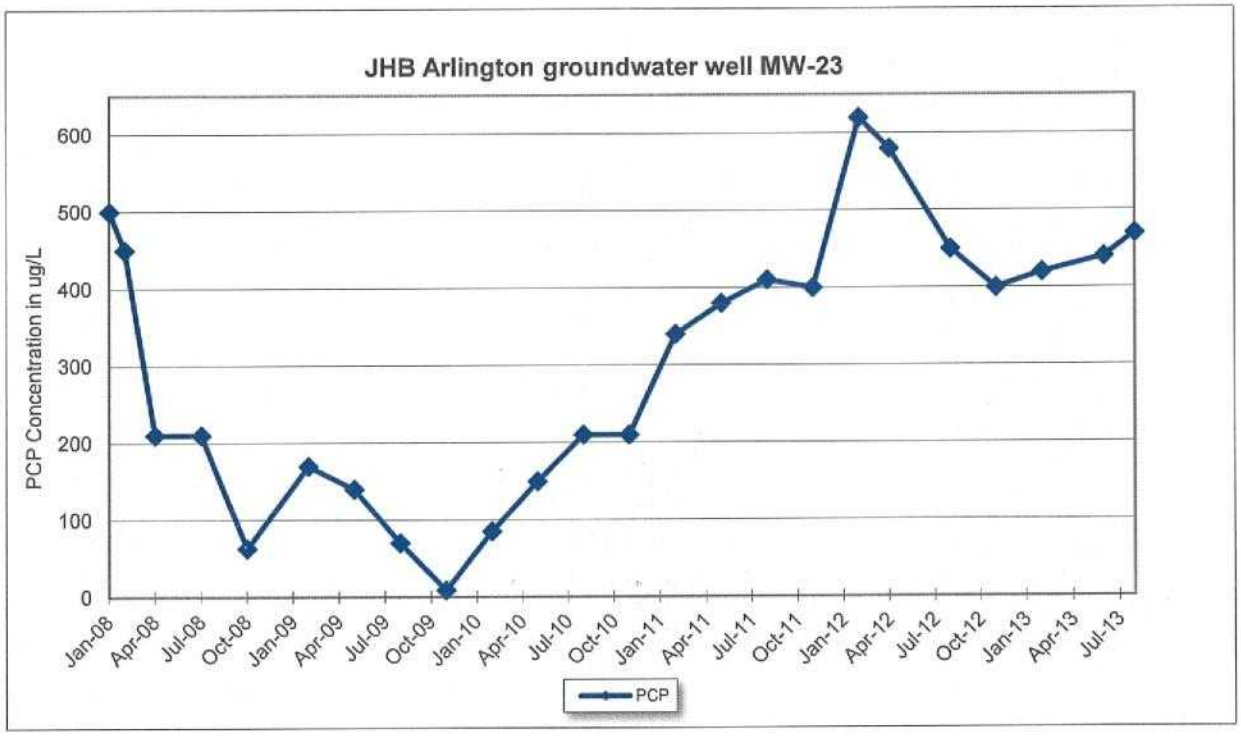

JHB Arlington groundwater well MW-15
PCP Concentration in ug/L
TPAH Concentration in ug/L
300
250
200
150
100
50
0
0.6
0.5
0.4
0.3
0.2
0.1
0
Jan-07
Apr-07
Jul-07
Oct-07
Jan-08
Apr-08
Jul-08
Oct-08
Jan-09
Apr-09
Jul-09
Oct-09
Jan-10
Apr-10
Jul-10
Oct-10
Jan-11
Apr-11
Jul-11
Oct-11
Jan-12
Apr-12
Jul-12
Oct-12
Jan-13
Apr-13
Jul-13
PCP
TPAH

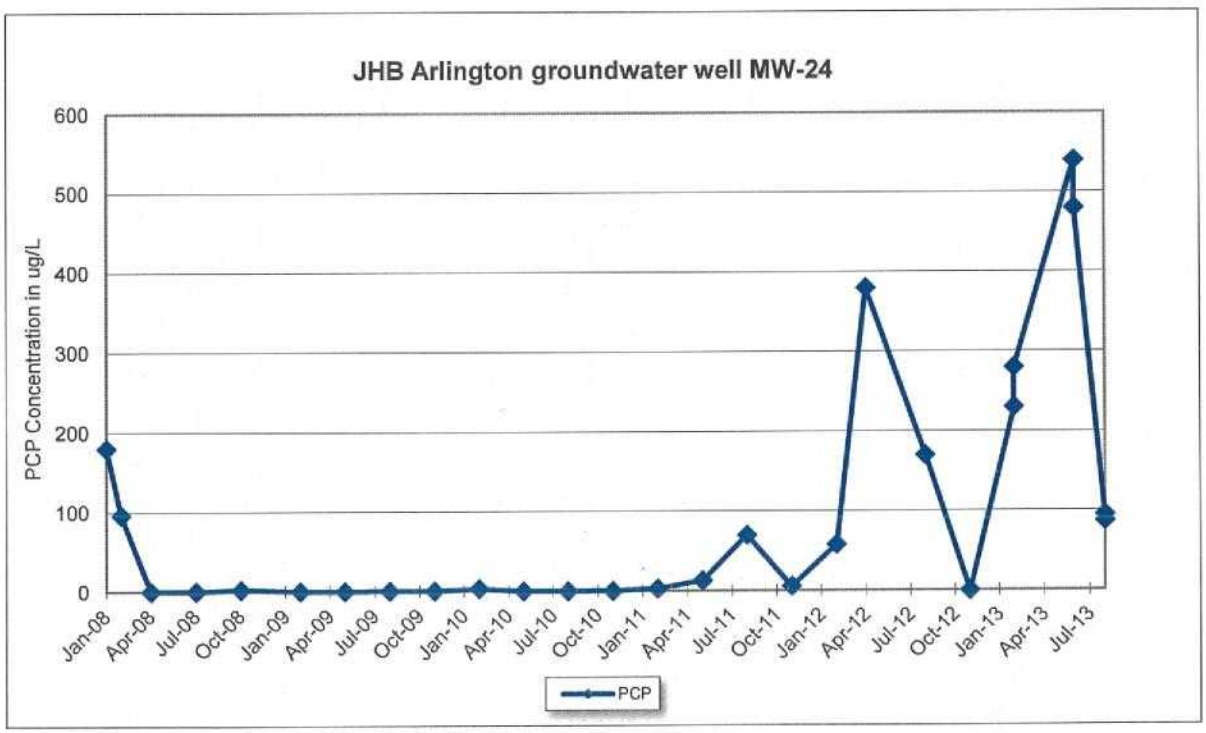

JHB Arlington groundwater well MW-16
PCP Concentration in ug/L
TPAH Concentration in ug/L
0
1
2
3
4
5
6
7
8
0
0.01
0.02
0.03
0.04
0.05
0.06
Jan-07
Apr-07
Jul-07
Oct-07
Jan-08
Apr-08
Jul-08
Oct-08
Jan-09
Apr-09
Jul-09
Oct-09
Jan-10
Apr-10
Jul-10
Oct-10
Jan-11
Apr-11
Jul-11
Oct-11
Jan-12
Apr-12
Jul-12
Oct-12
Jan-13
Apr-13
Jul-13
PCP
TPAH

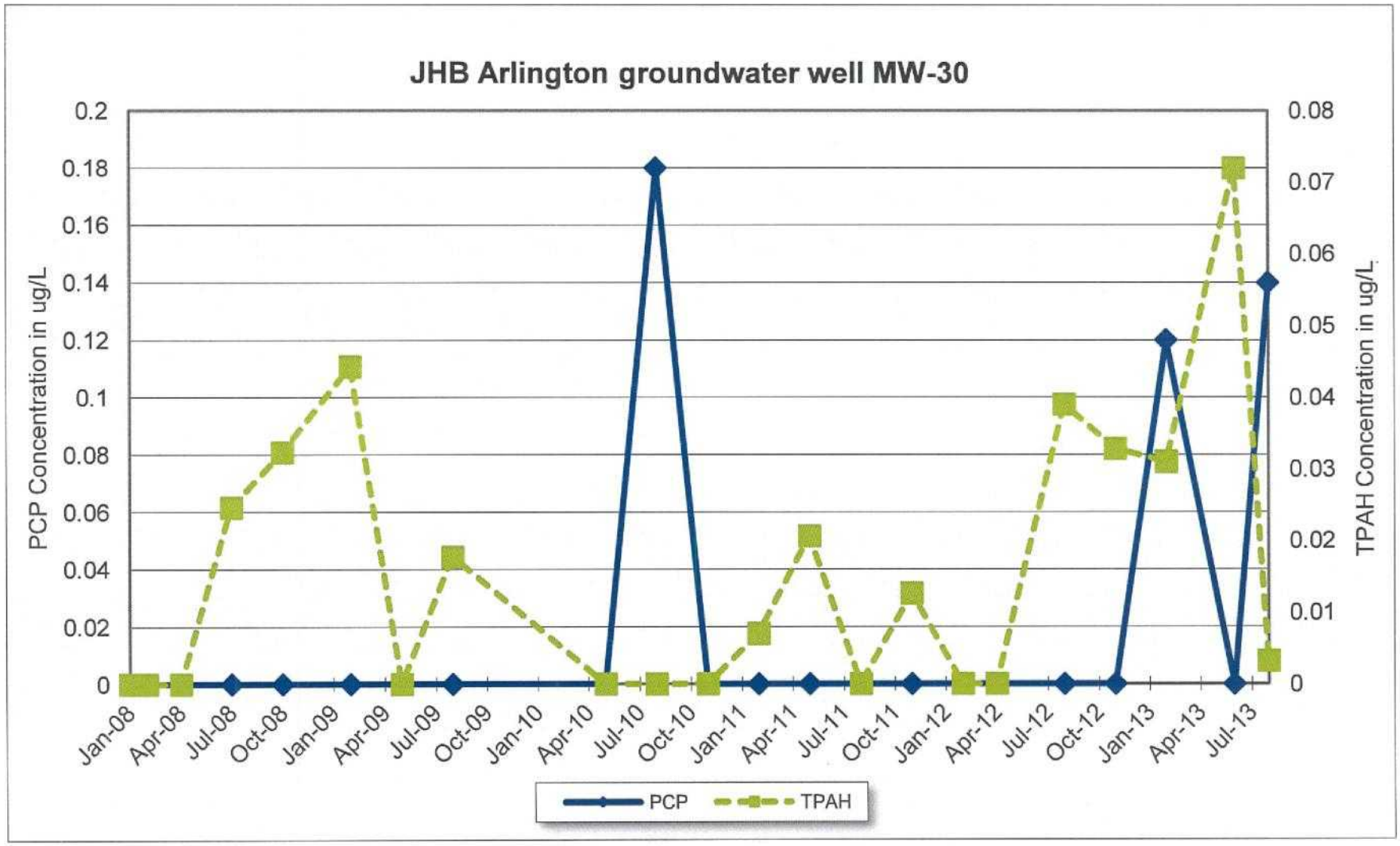

JHB Arlington groundwater well MW-17
PCP Concentration in ug/L
TPAH Concentration in ug/L
0
0.1
0.2
0.3
0.4
0.5
0.6
0.7
0.8
0.9
1
0
0.01
0.02
0.03
0.04
0.05
0.06
0.07
0.08
Jan-07
Apr-07
Jul-07
Oct-07
Jan-08
Apr-08
Jul-08
Oct-08
Jan-09
Apr-09
Jul-09
Oct-09
Jan-10
Apr-10
Jul-10
Oct-10
Jan-11
Apr-11
Jul-11
Oct-11
Jan-12
Apr-12
Jul-12
Oct-12
Jan-13
Apr-13
Jul-13
PCP
TPAH

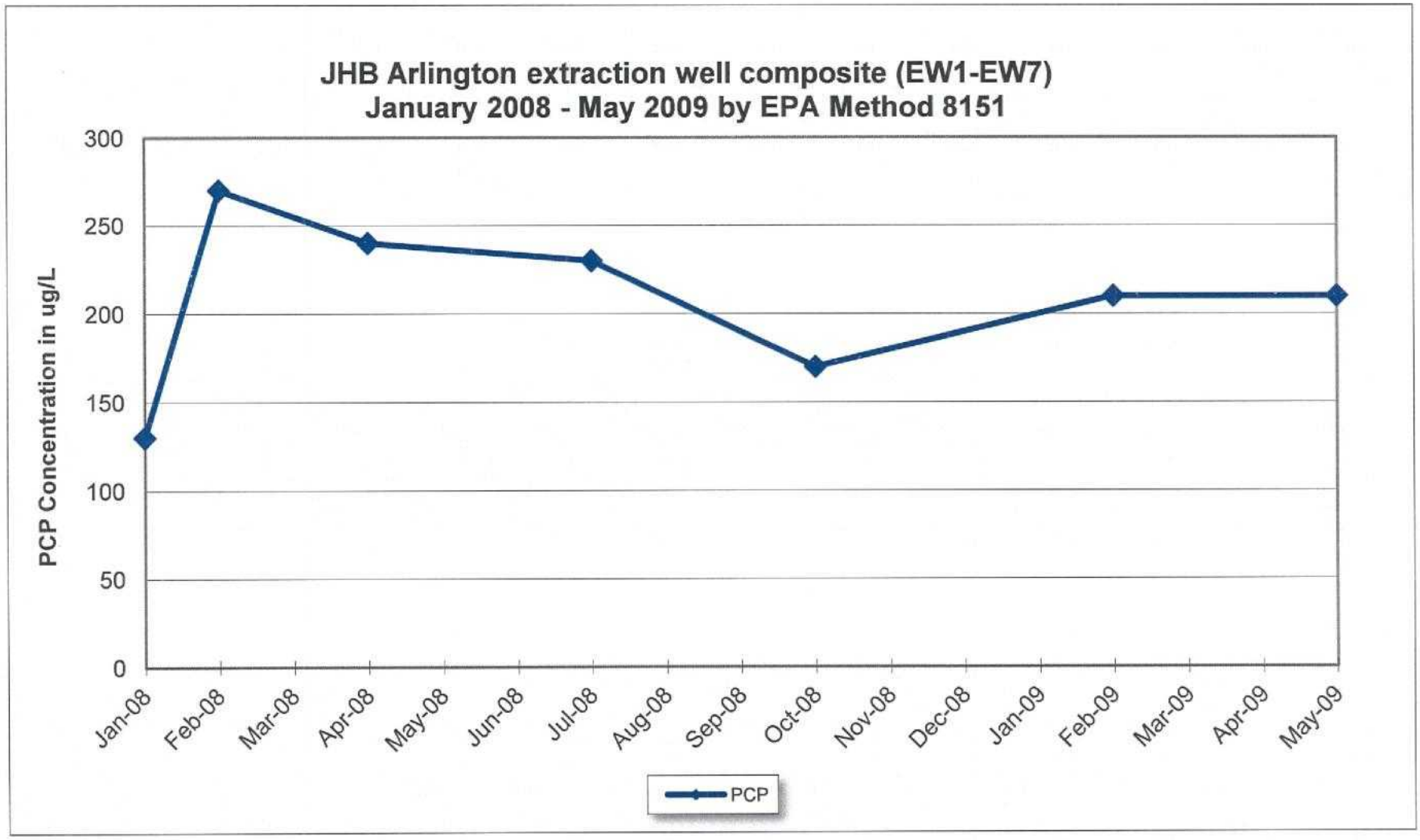

JHB Arlington groundwater well MW-18
PCP Concentration in ug/L
TPAH Concentration in ug/L
1
0.9
0.8
0.7
0.6
0.5
0.4
0.3
0.2
0.1
0
0.14
0.12
0.1
0.08
0.06
0.04
0.02
0
Feb-07
May-07
Aug-07
Nov-07
Feb-08
May-08
Aug-08
Nov-08
Feb-09
May-09
Aug-09
Nov-09
Feb-10
May-10
Aug-10
Nov-10
Feb-11
May-11
Aug-11
Nov-11
Feb-12
May-12
Aug-12
Nov-12
Feb-13
May-13
Aug-13
PCP
TPAH

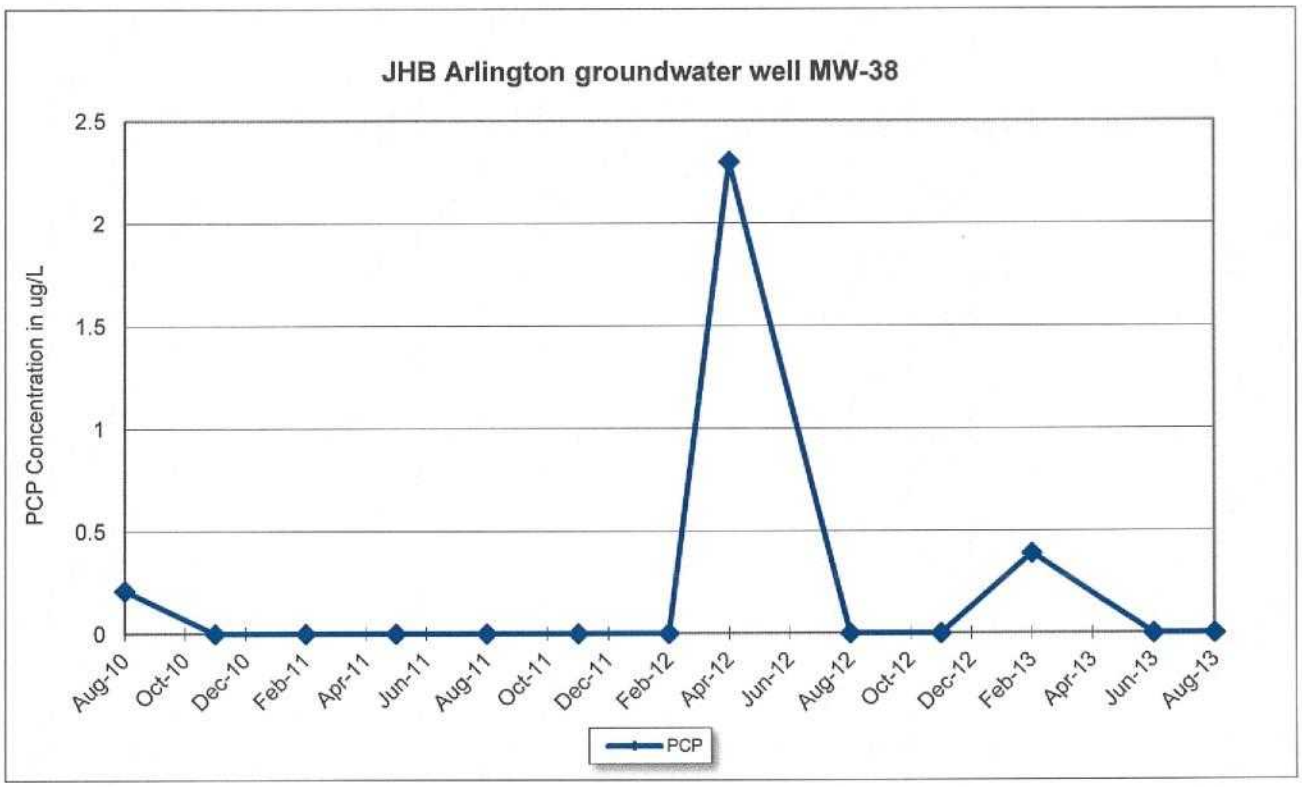

JHB Arlington groundwater well MW-22
PCP Concentration in ug/L
350
300
250
200
150
100
50
0
Jan-08
Apr-08
Jul-08
Oct-08
Jan-09
Apr-09
Jul-09
Oct-09
Jan-10
Apr-10
Jul-10
Oct-10
Jan-11
Apr-11
Jul-11
Oct-11
Jan-12
Apr-12
Jul-12
Oct-12
Jan-13
Apr-13
Jul-13
PCP

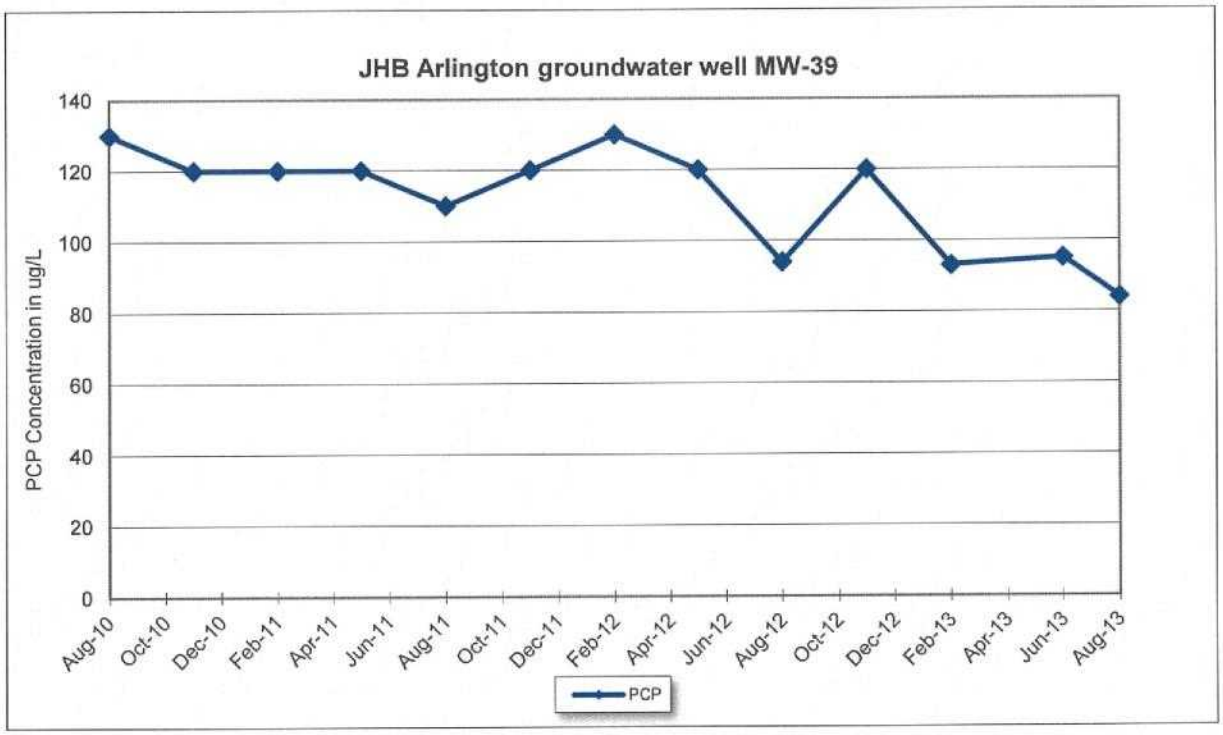

JHB Arlington groundwater well MW-23
PCP Concentration in ug/L
0
100
200
300
400
500
600
Jan-08
Apr-08
Jul-08
Oct-08
Jan-09
Apr-09
Jul-09
Oct-09
Jan-10
Apr-10
Jul-10
Oct-10
Jan-11
Apr-11
Jul-11
Oct-11
Jan-12
Apr-12
Jul-12
Oct-12
Jan-13
Apr-13
Jul-13
PCP

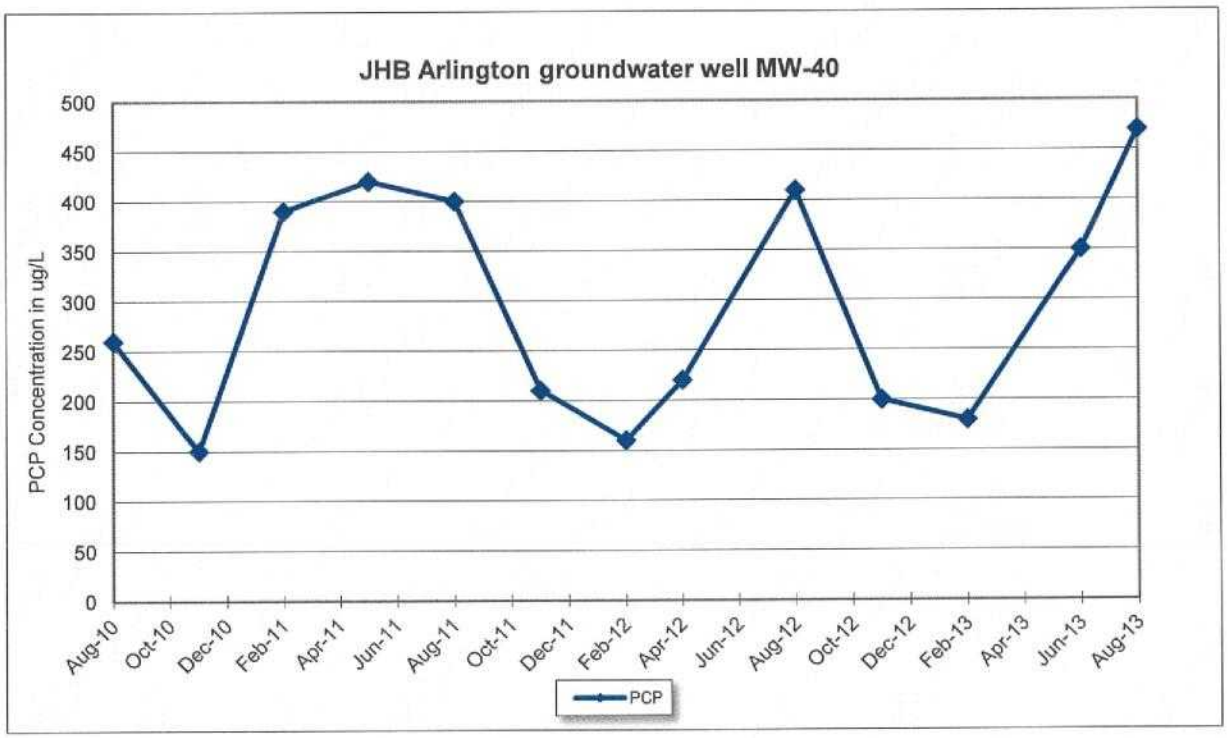

JHB Arlington groundwater well MW-24
PCP Concentration in ug/L
0
100
200
300
400
500
600
Jan-08
Apr-08
Jul-08
Oct-08
Jan-09
Apr-09
Jul-09
Oct-09
Jan-10
Apr-10
Jul-10
Oct-10
Jan-11
Apr-11
Jul-11
Oct-11
Jan-12
Apr-12
Jul-12
Oct-12
Jan-13
Apr-13
Jul-13
PCP

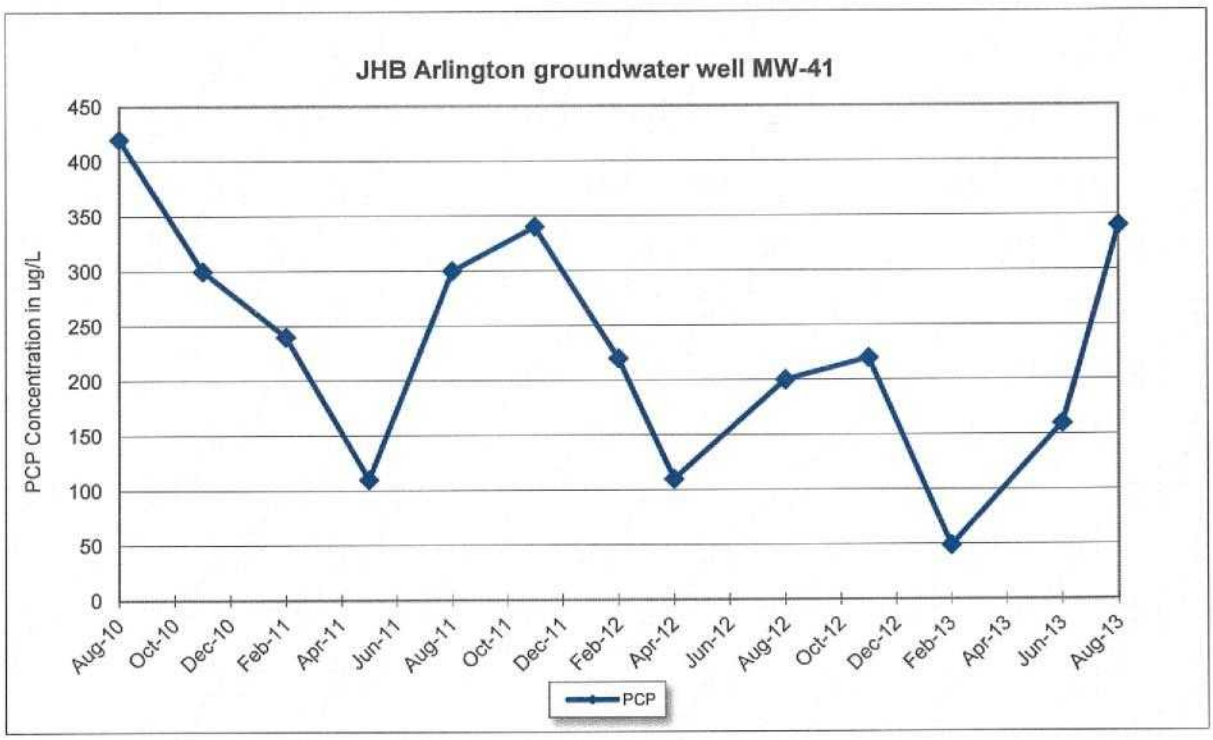

JHB Arlington groundwater well MW-30
PCP Concentration in ug/L
TPAH Concentration in ug/L
0.2
0.18
0.16
0.14
0.12
0.1
0.08
0.06
0.04
0.02
0
0.08
0.07
0.06
0.05
0.04
0.03
0.02
0.01
0
Jan-08
Apr-08
Jul-08
Oct-08
Jan-09
Apr-09
Jul-09
Oct-09
Jan-10
Apr-10
Jul-10
Oct-10
Jan-11
Apr-11
Jul-11
Oct-11
Jan-12
Apr-12
Jul-12
Oct-12
Jan-13
Apr-13
Jul-13
PCP
TPAH

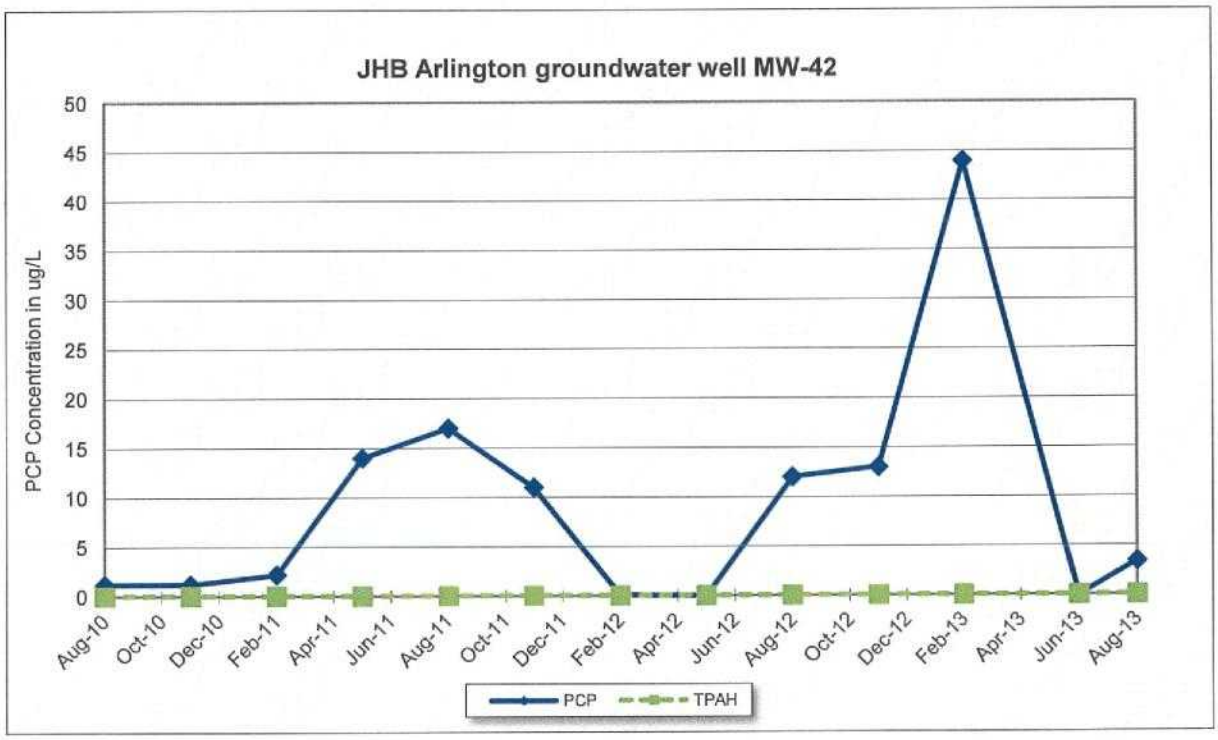

JHB Arlington extraction well composite (EW1-EW7)
January 2008 - May 2009 by EPA Method 8151
PCP Concentration in ug/L
300
250
200
150
100
50
0
Jan-08
Feb-08
Mar-08
Apr-08
May-08
Jun-08
Jul-08
Aug-08
Sep-08
Oct-08
Nov-08
Dec-08
Jan-09
Feb-09
Mar-09
Apr-09
May-09
PCP

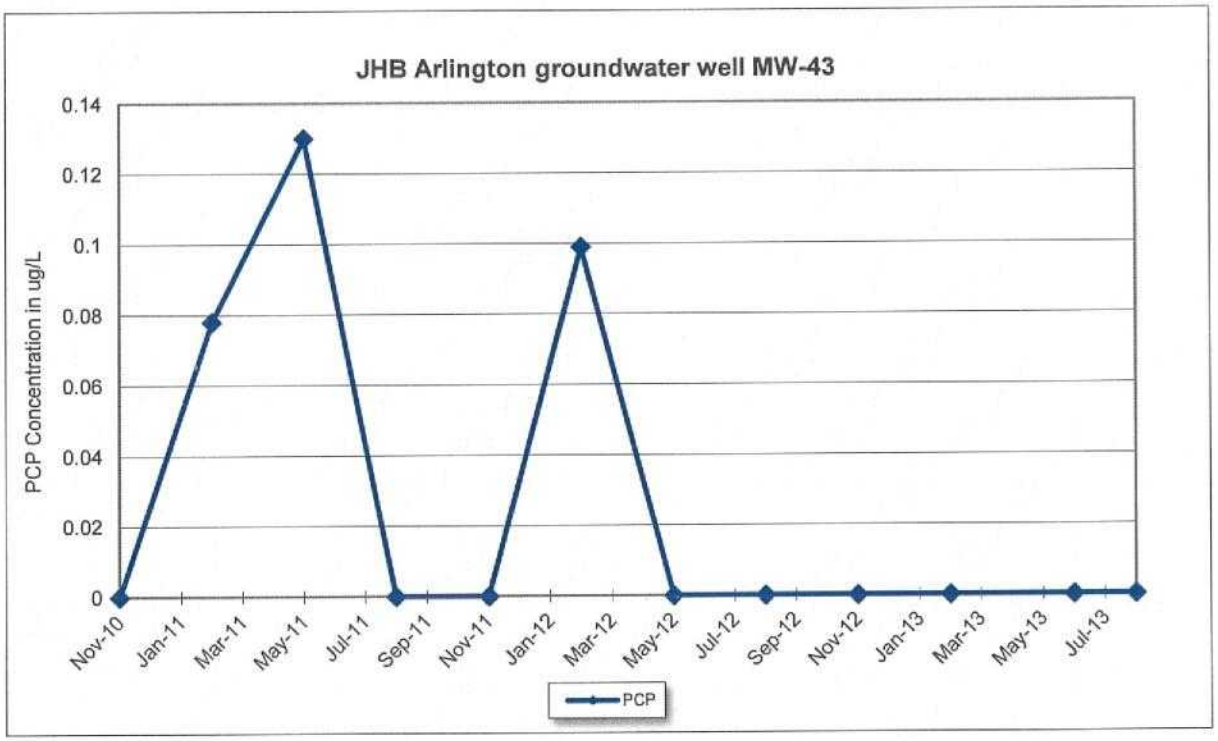

JHB Arlington groundwater well MW-38
PCP Concentration in ug/L
2.5
2
1.5
1
0.5
0
Aug-10
Oct-10
Dec-10
Feb-11
Apr-11
Jun-11
Aug-11
Oct-11
Dec-11
Feb-12
Apr-12
Jun-12
Aug-12
Oct-12
Dec-12
Feb-13
Apr-13
Jun-13
Aug-13
PCP


JHB Arlington groundwater well MW-39
PCP Concentration in ug/L
140
120
100
80
60
40
20
0
Aug-10
Oct-10
Dec-10
Feb-11
Apr-11
Jun-11
Aug-11
Oct-11
Dec-11
Feb-12
Apr-12
Jun-12
Aug-12
Oct-12
Dec-12
Feb-13
Apr-13
Jun-13
Aug-13
PCP


JHB Arlington groundwater well MW-40
PCP Concentration in ug/L
500
450
400
350
300
250
200
150
100
50
0
Aug-10
Oct-10
Dec-10
Feb-11
Apr-11
Jun-11
Aug-11
Oct-11
Dec-11
Feb-12
Apr-12
Jun-12
Aug-12
Oct-12
Dec-12
Feb-13
Apr-13
Jun-13
Aug-13
PCP


JHB Arlington groundwater well MW-41
PCP Concentration in ug/L
450
400
350
300
250
200
150
100
50
0
Aug-10
Oct-10
Dec-10
Feb-11
Apr-11
Jun-11
Aug-11
Oct-11
Dec-11
Feb-12
Apr-12
Jun-12
Aug-12
Oct-12
Dec-12
Feb-13
Apr-13
Jun-13
Aug-13
PCP


JHB Arlington groundwater well MW-42
PCP Concentration in ug/L
50
45
40
35
30
25
20
15
10
5
0
Aug-10
Oct-10
Dec-10
Feb-11
Apr-11
Jun-11
Aug-11
Oct-11
Dec-11
Feb-12
Apr-12
Jun-12
Aug-12
Oct-12
Dec-12
Feb-13
Apr-13
Jun-13
Aug-13
PCP
TPAH


JHB Arlington groundwater well MW-43
PCP Concentration in ug/L
0.14
0.12
0.1
0.08
0.06
0.04
0.02
0
Nov-10
Jan-11
Mar-11
May-11
Jul-11
Sep-11
Nov-11
Jan-12
Mar-12
May-12
Jul-12
Sep-12
Nov-12
Jan-13
Mar-13
May-13
Jul-13
PCP

APPENDIX B

Laboratory Reports and Chain-of-Custody Documentation (Summary Only)

(CD Contains Full Version of Lab Reports)

September 16, 2013

Analytical Report for Service Request No: K1308870

Scott Thielke
JH Baxter & Company
85 N. Baxter Road
P.O. Box 10797
Eugene, OR 97440

RE: J.H. Baxter / Arlington

Dear Scott:

Enclosed are the results of the samples submitted to our laboratory on August 29, 2013. For your reference, these analyses have been assigned our service request number K1308870.

Analyses were performed according to our laboratory's NELAP-approved quality assurance program. The test results meet requirements of the current NELAP standards, where applicable, and except as noted in the laboratory case narrative provided. For a specific list of NELAP-accredited analytes, refer to the certifications section at www.alsglobal.com. All results are intended to be considered in their entirety, and ALS Group USA Corp. dba ALS Environmental (ALS) is not responsible for use of less than the complete report. Results apply only to the items submitted to the laboratory for analysis and individual items (samples) analyzed, as listed in the report.

Please call if you have any questions. My extension is 3275. You may also contact me via Email at Chris.Leaf@alsglobal.com.

Respectfully submitted,

ALS Group USA Corp. dba ALS Environmental

Chris Leaf
Project Manager

CL/mj

ADDRESS 1317 S. 13th Avenue, Kelso, WA 98626 USA PHONE +1 360 577 7222 FAX +1 360 636 1068
Columbia Analytical Services, Inc. Part of the ALS Group An ALS Limited Company

Environmental
www.alsglobal.com
RIGHT SOLUTIONS RIGHT PARTNER

Acronyms

ASTM	American Society for Testing and Materials
A2LA	American Association for Laboratory Accreditation
CARB	California Air Resources Board
CAS Number	Chemical Abstract Service registry Number
CFC	Chlorofluorocarbon
CFU	Colony-Forming Unit
DEC	Department of Environmental Conservation
DEQ	Department of Environmental Quality
DHS	Department of Health Services
DOE	Department of Ecology
DOH	Department of Health
EPA	U. S. Environmental Protection Agency
ELAP	Environmental Laboratory Accreditation Program
GC	Gas Chromatography
GC/MS	Gas Chromatography/Mass Spectrometry
LOD	Limit of Detection
LOQ	Limit of Quantitation
LUFT	Leaking Underground Fuel Tank
M	Modified
MCL	Maximum Contaminant Level is the highest permissible concentration of a substance allowed in drinking water as established by the USEPA.
MDL	Method Detection Limit
MPN	Most Probable Number
MRL	Method Reporting Limit
NA	Not Applicable
NC	Not Calculated
NCASI	National Council of the Paper Industry for Air and Stream Improvement
ND	Not Detected
NIOSH	National Institute for Occupational Safety and Health
PQL	Practical Quantitation Limit
RCRA	Resource Conservation and Recovery Act
SIM	Selected Ion Monitoring
TPH	Total Petroleum Hydrocarbons
tr	Trace level is the concentration of an analyte that is less than the PQL but greater than or equal to the MDL.

Inorganic Data Qualifiers

* The result is an outlier. See case narrative.

\# The control limit criteria is not applicable. See case narrative.

B The analyte was found in the associated method blank at a level that is significant relative to the sample result as defined by the DOD or NELAC standards.

The result is an estimate amount because the value exceeded the instrument calibration range.

J The result is an estimated value.

U The analyte was analyzed for, but was not detected ("Non-detect") at or above the MRL/MDL.
DOD-QSM 4.2 definition : Analyte was not detected and is reported as less than the LOD or as defined by the project. The detection limit is adjusted for dilution.

i The MRL/MDL or LOQ/LOD is elevated due to a matrix interference.

X See case narrative.

Q See case narrative. One or more quality control criteria was outside the limits.

H The holding time for this test is immediately following sample collection. The samples were analyzed as soon as possible after receipt by the laboratory.

Metals Data Qualifiers

\# The control limit criteria is not applicable. See case narrative.

J The result is an estimated value.

E The percent difference for the serial dilution was greater than 10%, indicating a possible matrix interference in the sample.

M The duplicate injection precision was not met.

N The Matrix Spike sample recovery is not within control limits. See case narrative.

S The reported value was determined by the Method of Standard Additions (MSA).

U The analyte was analyzed for, but was not detected ("Non-detect") at or above the MRL/MDL.
DOD-QSM 4.2 definition : Analyte was not detected and is reported as less than the LOD or as defined by the project. The detection limit is adjusted for dilution.

W The post-digestion spike for furnace AA analysis is out of control limits, while sample absorbance is less than 50% of spike absorbance.

i The MRL/MDL or LOQ/LOD is elevated due to a matrix interference.

X See case narrative.

\+ The correlation coefficient for the MSA is less than 0.995.

Q See case narrative. One or more quality control criteria was outside the limits.

Organic Data Qualifiers

The result is an outlier. See case narrative.

\# The control limit criteria is not applicable. See case narrative.

A A tentatively identified compound, a suspected aldol-condensation product.

B The analyte was found in the associated method blank at a level that is significant relative to the sample result as defined by the DOD or NELAC standards.

C The analyte was qualitatively confirmed using GC/MS techniques, pattern recognition, or by comparing to historical data.

D The reported result is from a dilution.

E The result is an estimated value.

J The result is an estimated value.

N The result is presumptive. The analyte was tentatively identified, but a confirmation analysis was not performed.

P The GC or HPLC confirmation criteria was exceeded. The relative percent difference is greater than 40% between the two analytical results.

U The analyte was analyzed for, but was not detected ("Non-detect") at or above the MRL/MDL.
DOD-QSM 4.2 definition : Analyte was not detected and is reported as less than the LOD or as defined by the project. The detection limit is adjusted for dilution.

i The MRL/MDL or LOQ/LOD is elevated due to a chromatographic interference.

X See case narrative.

Q See case narrative. One or more quality control criteria was outside the limits.

Additional Petroleum Hydrocarbon Specific Qualifiers

F The chromatographic fingerprint of the sample matches the elution pattern of the calibration standard.

L The chromatographic fingerprint of the sample resembles a petroleum product, but the elution pattern indicates the presence of a greater amount of lighter molecular weight constituents than the calibration standard.

H The chromatographic fingerprint of the sample resembles a petroleum product, but the elution pattern indicates the presence of a greater amount of heavier molecular weight constituents than the calibration standard.

O The chromatographic fingerprint of the sample resembles an oil, but does not match the calibration standard.

The chromatographic fingerprint of the sample resembles a petroleum product eluting in approximately the correct carbon range, but the elution pattern does not match the calibration standard.

Z The chromatographic fingerprint does not resemble a petroleum product.

ALS Group USA Corp. dba ALS Environmental (ALS) - Kelso
State Certifications, Accreditations, and Licenses

Agency	Web Site	Number
Alaska DEC UST	http://dec.alaska.gov/applications/eh/ehllabreports/USTLabs.aspx	UST-040
Arizona DHS	http://www.azdhs.gov/lab/license/env.htm	AZ0339
Arkansas - DEQ	http://www.adeq.state.ar.us/techsvs/labcert.htm	88-0637
California DHS (ELAP)	http://www.cdph.ca.gov/certlic/labs/Pages/ELAP.aspx	2286
DOD ELAP	http://www.denix.osd.mil/edqw/Accreditation/AccreditedLabs.cfm	L12-28
Florida DOH	http://www.doh.state.fl.us/lab/EnvLabCert/WaterCert.htm	E87412
Georgia DNR	http://www.gaepd.org/Documents/techguide_pcb.html#cel	881
Hawaii DOH	Not available	-
Idaho DHW	http://www.healthandwelfare.idaho.gov/Health/Labs/CertificationDrinkingWaterLabs/tabid/1833/Default.aspx	-
Indiana DOH	http://www.in.gov/isdh/24859.htm	C-WA-01
ISO 17025	http://www.pjlabs.com/	L12-27
Louisiana DEQ	http://www.deq.louisiana.gov/portal/DIVISIONS/PublicParticipationandPermitSupport/LouisianaLaboratoryAccreditationProgram.aspx	3016
Maine DHS	Not available	WA0035
Michigan DEQ	http://www.michigan.gov/deq/0,1607,7-135-3307_4131_4156---,00.html	9949
Minnesota DOH	http://www.health.state.mn.us/accreditation	053-999-368
Montana DPHHS	http://www.dphhs.mt.gov/publichealth/	CERT0047
Nevada DEP	http://ndep.nv.gov/bsdw/labservice.htm	WA35
New Jersey DEP	http://www.nj.gov/dep/oqa/	WA005
North Carolina DWQ	http://www.dwqlab.org/	605
Oklahoma DEQ	http://www.deq.state.ok.us/CSDnew/labcert.htm	9801
Oregon – DEQ (NELAP)	http://public.health.oregon.gov/LaboratoryServices/EnvironmentalLaboratoryAccreditation/Pages/index.aspx	WA200001
South Carolina DHEC	http://www.scdhec.gov/environment/envserv/	61002
Texas CEQ	http://www.tceq.texas.gov/field/qa/env_lab_accreditation.html	4704427-08-TX
Washington DOE	http://www.ecy.wa.gov/programs/eap/labs/lab-accreditation.html	C1203
Wisconsin DNR	http://dnr.wi.gov/	998386840
Wyoming (EPA Region 8)	http://www.epa.gov/region8/water/dwhome/wyomingdi.html	-
Kelso Laboratory Website	www.alsglobal.com	NA

Analyses were performed according to our laboratory's NELAP-approved quality assurance program. A complete listing of specific NELAP-certified analytes, can be found in the certification section at www.caslab.com or at the accreditation bodies web site

Please refer to the certification and/or accreditation body's web site if samples are submitted for compliance purposes. The states highlighted above, require the analysis be listed on the state certification if used for compliance purposes and if the method/anlayte is offered by that state.

Case Narrative

ALS ENVIRONMENTAL

Client:	JH Baxter & Company	**Service Request No.:**	K1308870
Project:	J.H. Baxter / Arlington	**Date Received:**	08/29/13
Sample Matrix:	Water		

Case Narrative

All analyses were performed consistent with the quality assurance program of ALS Environmental. This report contains analytical results for samples designated for Tier IV validation deliverables including summary forms and all of the associated raw data for each of the analyses. When appropriate to the method, method blank results have been reported with each analytical test.

Sample Receipt

Four water samples were received for analysis at ALS Environmental on 08/29/13. The samples were received in good condition and consistent with the accompanying chain of custody form. The samples were stored in a refrigerator at 4°C upon receipt at the laboratory.

Pentachlorophenol by EPA Method 8151

Matrix Spike Recovery Exceptions:
The control criteria for matrix spike recovery of Pentachlorophenol for sample Batch QC were not applicable. The analysis of this sample required a dilution such that the added spike concentration was diluted below the reporting limit. No further corrective action was required.

Elevated Detection Limits:
Samples BXS-1 and BXS-5 required a dilution due to the presence of elevated levels of target analyte. The reporting limits were adjusted to reflect the dilution.

No other anomalies associated with the analysis of these samples were observed.

Polynuclear Aromatic Hydrocarbons by EPA Method 8270

Sample Notes and Discussion:
Insufficient sample volume was received to perform a Matrix Spike/Matrix Spike Duplicate (MS/MSD). A Laboratory Control Sample/Duplicate Laboratory Control Sample (LCS/DLCS) was analyzed and reported in lieu of the MS/MSD for these samples.

The result reported for Acenaphthene in sample BXS-2 may contain a slight bias. The chromatogram indicated the presence of non-target background components. The matrix interference may have resulted in a slight high bias in the affected samples. The results were flagged with "X" to indicate the issue.

The result reported for Anthracene in sample BXS-5 may contain a slight bias. The chromatogram indicated the presence of non-target background components. The matrix interference may have resulted in a slight high bias in the affected samples. The results were flagged with "X" to indicate the issue.

No other anomalies associated with the analysis of these samples were observed.

Approved by _____

Chain of Custody

Columbia Analytical Services

29637 CHAIN OF CUSTODY

SR# K1308870

COC Set ___ of ___

Page 1 OF 1 COC# ___

1317 South 13th Ave, Kelso, WA 98626 | 360.577.7222 | 800.695.7222 | 360.636.1068 (fax)

Project Name: J.H. BAXTER/ ARLINGTON
Project Number:
Project Manager:
Company Name: J.H. BAXTER
Company Address: 85 N. BAXTER RD
City/State/Zip: EUGENE, OR. 97402
E-Mail Address:
Phone #: FAX #:
Sampler Signature:

Sample ID	Date	Time	Lab ID	Matrix	Number of Containers	8151A Modified / PCP only 7D	8270D / PAH SIM				Remarks
1 BXS-1	8/27	0803		H_2O	2	X	X				1
2 BXS-2	8/27	0853									2
3 BXS-5	8/27	0803									3
4											4
5											5
6											6
7											7
8											8
9											9
10											10
11											11

Report Requirements

___ I Routine Report: Method Blank, Surrogate, as required
___ II Report Dup: MS, MSD as required
___ III Data Validation Report (includes all raw data)
___ IV CLP Deliverable Report
___ V EDD

Invoice Information

P.O.# ___
Bill To: JH BAXTER

Turnaround Requirements

___ 24 hr ___ 48 hr
___ 5 Day
X Standard (10-15 working days)
___ Provide Fax Results

Requested Report Date

Circle which metals are to be analyzed

Total Metals: Al As Sb Ba Be B Ca Cd Co Cr Cu Fe Pb Mg Mn Mo Ni K Ag Na Se Si Tl Sn V Zn Hg

Dissolved Metals: Al As Sb Ba Be B Ca Cd Co Cr Cu Fe Pb Mg Mn Mo Ni K Ag Na Se Si Tl Sn V Zn Hg

Special Instructions/Comments: Please Call With Any Questions: STEVE BARNETT 503-639-3400

*Indicate State Hydrocarbon Procedure: AK CA WI Northwest Other ___ (Circle One)

☐ Sample Shipment contains USDA regulated soil samples (check box if applicable)

Relinquished By:		Received By:		Relinquished By:		Received By:	
Signature: [signature]	Date/Time: 82813 1015	Signature: [signature]	Date/Time: 8/29/13 900	Signature:	Date/Time:	Signature:	Date/Time:
Printed Name: Scott Thielke	Firm: JH BAXTER	Printed Name: Robin	Firm: ALS	Printed Name:	Firm:	Printed Name:	Firm:

PC CL

Cooler Receipt and Preservation Form

Client / Project: JH Baxter Service Request K13 5870

ceived: 8/29/13 Opened: 8/29/13 By: KT Unloaded: 8/29/13 By: KT

1. Samples were received via? *Mail* *Fed Ex* *UPS* *DHL* *PDX* *Courier* *Hand Delivered*
2. Samples were received in: (circle) *Cooler* *Box* *Envelope* *Other* _____ *NA*
3. Were custody seals on coolers? NA Y N If yes, how many and where? 1 Front
   If present, were custody seals intact? Y N If present, were they signed and dated? Y N

Raw Cooler Temp	Corrected Cooler Temp	Raw Temp Blank	Corrected Temp Blank	Corr. Factor	Thermometer ID	Cooler/COC ID NA	Tracking Number NA	Filed
0.9	1.0	0.9	1.0	+0.1	304		8684 5811 8926	
0.5	0.6	0.2	0.3	+0.1	340		" " 8948	
1.1	1.2	1.2	1.3	+0.1	334		" " 8915	
1.2	1.2	0.9	0.9	Ø	341		" " 8937	

4. Packing material: *Inserts* *Baggies* *Bubble Wrap* *Gel Packs* *Wet Ice* *Dry Ice* *Sleeves* _____
5. Were custody papers properly filled out (ink, signed, etc.)? NA Y N
6. Did all bottles arrive in good condition (unbroken)? *Indicate in the table below.* NA Y N
7. Were all sample labels complete (i.e analysis, preservation, etc.)? NA Y N
8. Did all sample labels and tags agree with custody papers? *Indicate major discrepancies in the table on page 2.* NA Y N
9. Were appropriate bottles/containers and volumes received for the tests indicated? NA Y N
10. Were the pH-preserved bottles (*see SMO GEN SOP*) received at the appropriate pH? *Indicate in the table below* NA Y N
    Were VOA vials received without headspace? *Indicate in the table below.* NA Y N
12. Was C12/Res negative? NA Y N

Sample ID on Bottle	Sample ID on COC	Identified by:

Sample ID	Bottle Count Bottle Type	Out of Temp	Head-space	Broke	pH	Reagent	Volume added	Reagent Lot Number	Initials	Time

otes, Discrepancies, & Resolutions: _____

Page ____ *of* ____

Pentachlorophenol

Organic Analysis:
Pentachlorophenol

Summary Package

Sample and QC Results

ALS Group USA, Corp. dba ALS Environmental

Client: JH Baxter & Company
Project: J.H. Baxter / Arlington

Service Request: K1308870

Cover Page - Organic Analysis Data Package
Pentachlorophenol

Sample Name	Lab Code	Date Collected	Date Received
BXS-1	K1308870-001	08/27/2013	08/29/2013
BXS-2	K1308870-002	08/27/2013	08/29/2013
BXS-5	K1308870-003	08/27/2013	08/29/2013
Trip Blank	K1308870-004	08/27/2013	08/29/2013

I certify that this data package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the conditions detailed in the case narrative. Release of the data contained in this hardcopy data package and in the computer-readable data has been authorized by the Laboratory Manager or the Manager's designee, as verified by the following signature.

Signature: Lori E Pitwood

Name: Lorna Pitwood

Date: 9/13/13

Title:

ALS Group USA, Corp. dba ALS Environmental

Analytical Results

Client:	JH Baxter & Company	**Service Request:**	K1308870
Project:	J.H. Baxter / Arlington	**Date Collected:**	08/27/2013
Sample Matrix:	Water	**Date Received:**	08/29/2013

Pentachlorophenol

Sample Name:	BXS-1	**Units:**	ug/L
Lab Code:	K1308870-001	**Basis:**	NA
Extraction Method:	Method	**Level:**	Low
Analysis Method:	8151M		

Analyte Name	Result	Q	MRL	MDL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Note
Pentachlorophenol	51	D	5.0	1.6	10	08/30/13	09/09/13	KWG1309481	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
4-Bromo-2,6-dichlorophenol	76	33-114	09/05/13	Acceptable

Comments:

ALS Group USA, Corp. dba ALS Environmental

Analytical Results

Client:	JH Baxter & Company	**Service Request:**	K1308870
Project:	J.H. Baxter / Arlington	**Date Collected:**	08/27/2013
Sample Matrix:	Water	**Date Received:**	08/29/2013

Pentachlorophenol

Sample Name:	BXS-2	**Units:**	ug/L
Lab Code:	K1308870-002	**Basis:**	NA
Extraction Method:	Method	**Level:**	Low
Analysis Method:	8151M		

Analyte Name	Result	Q	MRL	MDL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Note
Pentachlorophenol	ND	U	0.50	0.16	1	08/30/13	09/05/13	KWG1309481	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
4-Bromo-2,6-dichlorophenol	78	33-114	09/05/13	Acceptable

Comments:

Analytical Results

Client:	JH Baxter & Company	**Service Request:**	K1308870
Project:	J.H. Baxter / Arlington	**Date Collected:**	08/27/2013
Sample Matrix:	Water	**Date Received:**	08/29/2013

Pentachlorophenol

Sample Name:	BXS-5	**Units:**	ug/L
Lab Code:	K1308870-003	**Basis:**	NA
Extraction Method:	Method	**Level:**	Low
Analysis Method:	8151M		

Analyte Name	Result	Q	MRL	MDL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Note
Pentachlorophenol	**45**	D	5.0	1.6	10	08/30/13	09/09/13	KWG1309481	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
4-Bromo-2,6-dichlorophenol	59	33-114	09/05/13	Acceptable

Comments:

ALS Group USA, Corp. dba ALS Environmental

Analytical Results

Client:	JH Baxter & Company	**Service Request:**	K1308870
Project:	J.H. Baxter / Arlington	**Date Collected:**	08/27/2013
Sample Matrix:	Water	**Date Received:**	08/29/2013

Pentachlorophenol

Sample Name:	Trip Blank	**Units:**	ug/L
Lab Code:	K1308870-004	**Basis:**	NA
Extraction Method:	Method	**Level:**	Low
Analysis Method:	8151M		

Analyte Name	Result	Q	MRL	MDL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Note
Pentachlorophenol	ND	Ui	0.50	0.17	1	08/30/13	09/05/13	KWG1309481	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
4-Bromo-2,6-dichlorophenol	67	33-114	09/05/13	Acceptable

Comments:

ALS Group USA, Corp. dba ALS Environmental

Analytical Results

Client:	JH Baxter & Company	**Service Request:**	K1308870
Project:	J.H. Baxter / Arlington	**Date Collected:**	NA
Sample Matrix:	Water	**Date Received:**	NA

Pentachlorophenol

Sample Name:	Method Blank	**Units:**	ug/L
Lab Code:	KWG1309481-4	**Basis:**	NA
Extraction Method:	Method	**Level:**	Low
Analysis Method:	8151M		

Analyte Name	Result	Q	MRL	MDL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Note
Pentachlorophenol	ND	U	0.50	0.16	1	08/30/13	09/05/13	KWG1309481	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
4-Bromo-2,6-dichlorophenol	58	33-114	09/05/13	Acceptable

Comments:

ALS Group USA, Corp. dba ALS Environmental

QA/QC Report

Client: JH Baxter & Company
Project: J.H. Baxter / Arlington
Sample Matrix: Water

Service Request: K1308870

Surrogate Recovery Summary
Pentachlorophenol

Extraction Method: Method
Analysis Method: 8151M

Units: Percent
Level: Low

Sample Name	Lab Code	Sur1
BXS-1	K1308870-001	76
BXS-2	K1308870-002	78
BXS-5	K1308870-003	59
Trip Blank	K1308870-004	67
Batch QC	K1308873-001	74
Method Blank	KWG1309481-4	58
Batch QCMS	KWG1309481-1	68
Batch QCDMS	KWG1309481-2	65
Lab Control Sample	KWG1309481-3	63

Surrogate Recovery Control Limits (%)

Sur1 = 4-Bromo-2,6-dichlorophenol 33-114

Results flagged with an asterisk (*) indicate values outside control criteria.
Results flagged with a pound (#) indicate the control criteria is not applicable.

ALS Group USA, Corp. dba ALS Environmental

QA/QC Report

Client:	JH Baxter & Company	**Service Request:**	K1308870
Project:	J.H. Baxter / Arlington	**Date Extracted:**	08/30/2013
Sample Matrix:	Water	**Date Analyzed:**	09/09/2013

Matrix Spike/Duplicate Matrix Spike Summary
Pentachlorophenol

Sample Name:	Batch QC	**Units:**	ug/L
Lab Code:	K1308873-001	**Basis:**	NA
Extraction Method:	Method	**Level:**	Low
Analysis Method:	8151M	**Extraction Lot:**	KWG1309481

		Batch QCMS KWG1309481-1 Matrix Spike			Batch QCDMS KWG1309481-2 Duplicate Matrix Spike					
Analyte Name	**Sample Result**	**Result**	**Spike Amount**	**%Rec**	**Result**	**Spike Amount**	**%Rec**	**%Rec Limits**	**RPD**	**RPD Limit**
Pentachlorophenol	530	535	10.0	18 #	492	10.0	-414 #	40-106	8	30

Results flagged with an asterisk (*) indicate values outside control criteria.

Results flagged with a pound (#) indicate the control criteria is not applicable.

Percent recoveries and relative percent differences (RPD) are determined by the software using values in the calculation which have not been rounded.

ALS Group USA, Corp. dba ALS Environmental

QA/QC Report

Client:	JH Baxter & Company	**Service Request:**	K1308870
Project:	J.H. Baxter / Arlington	**Date Extracted:**	08/30/2013
Sample Matrix:	Water	**Date Analyzed:**	09/05/2013

Lab Control Spike Summary
Pentachlorophenol

Extraction Method:	Method	**Units:**	ug/L
Analysis Method:	8151M	**Basis:**	NA
		Level:	Low
		Extraction Lot:	KWG1309481

	Lab Control Sample KWG1309481-3 Lab Control Spike			
Analyte Name	**Result**	**Spike Amount**	**%Rec**	**%Rec Limits**
Pentachlorophenol	6.22	10.0	62	44-106

Results flagged with an asterisk (*) indicate values outside control criteria.

Percent recoveries and relative percent differences (RPD) are determined by the software using values in the calculation which have not been rounded.

ALS Group USA, Corp. dba ALS Environmental

QA/QC Report

Client:	JH Baxter & Company	**Service Request:**	K1308870
Project:	J.H. Baxter / Arlington	**Date Extracted:**	08/30/2013
Sample Matrix:	Water	**Date Analyzed:**	09/05/2013
		Time Analyzed:	13:02

Method Blank Summary
Pentachlorophenol

Sample Name:	Method Blank	**Instrument ID:**	GC27
Lab Code:	KWG1309481-4	**File ID:**	J:\GC27\DATA\090513\0905F014.D
Extraction Method:	Method	**Level:**	Low
Analysis Method:	8151M	**Extraction Lot:**	KWG1309481

This Method Blank applies to the following analyses:

Sample Name	Lab Code	File ID	Date Analyzed	Time Analyzed
BXS-1	K1308870-001	J:\GC27\DATA\090413B\0904FB05.D	09/05/13	02:33
BXS-2	K1308870-002	J:\GC27\DATA\090413B\0904FB06.D	09/05/13	02:48
BXS-5	K1308870-003	J:\GC27\DATA\090413B\0904FB07.D	09/05/13	03:03
Batch QC	K1308873-001	J:\GC27\DATA\090413B\0904FB12.D	09/05/13	04:18
Batch QCMS	KWG1309481-1	J:\GC27\DATA\090413B\0904FB13.D	09/05/13	04:32
Batch QCDMS	KWG1309481-2	J:\GC27\DATA\090413B\0904FB14.D	09/05/13	04:47
Trip Blank	K1308870-004	J:\GC27\DATA\090513\0905F012.D	09/05/13	12:32
Lab Control Sample	KWG1309481-3	J:\GC27\DATA\090513\0905F013.D	09/05/13	12:47
BXS-1	K1308870-001	J:\GC27\DATA\090913\0909F006.D	09/09/13	18:34
BXS-5	K1308870-003	J:\GC27\DATA\090913\0909F007.D	09/09/13	18:49
Batch QC	K1308873-001	J:\GC27\DATA\090913\0909F008.D	09/09/13	19:04
Batch QCMS	KWG1309481-1	J:\GC27\DATA\090913\0909F009.D	09/09/13	19:19
Batch QCDMS	KWG1309481-2	J:\GC27\DATA\090913\0909F010.D	09/09/13	19:34

ALS Group USA, Corp. dba ALS Environmental

QA/QC Report

Client:	JH Baxter & Company	**Service Request:**	K1308870
Project:	J.H. Baxter / Arlington	**Date Extracted:**	08/30/2013
Sample Matrix:	Water	**Date Analyzed:**	09/05/2013
		Time Analyzed:	12:47

Lab Control Sample Summary
Pentachlorophenol

Sample Name:	Lab Control Sample	**Instrument ID:**	GC27
Lab Code:	KWG1309481-3	**File ID:**	J:\GC27\DATA\090513\0905F013.D
Extraction Method:	Method	**Level:**	Low
Analysis Method:	8151M	**Extraction Lot:**	KWG1309481

This Lab Control Sample applies to the following analyses:

Sample Name	Lab Code	File ID	Date Analyzed	Time Analyzed
BXS-1	K1308870-001	J:\GC27\DATA\090413B\0904FB05.D	09/05/13	02:33
BXS-2	K1308870-002	J:\GC27\DATA\090413B\0904FB06.D	09/05/13	02:48
BXS-5	K1308870-003	J:\GC27\DATA\090413B\0904FB07.D	09/05/13	03:03
Batch QC	K1308873-001	J:\GC27\DATA\090413B\0904FB12.D	09/05/13	04:18
Batch QCMS	KWG1309481-1	J:\GC27\DATA\090413B\0904FB13.D	09/05/13	04:32
Batch QCDMS	KWG1309481-2	J:\GC27\DATA\090413B\0904FB14.D	09/05/13	04:47
Trip Blank	K1308870-004	J:\GC27\DATA\090513\0905F012.D	09/05/13	12:32
Method Blank	KWG1309481-4	J:\GC27\DATA\090513\0905F014.D	09/05/13	13:02
BXS-1	K1308870-001	J:\GC27\DATA\090913\0909F006.D	09/09/13	18:34
BXS-5	K1308870-003	J:\GC27\DATA\090913\0909F007.D	09/09/13	18:49
Batch QC	K1308873-001	J:\GC27\DATA\090913\0909F008.D	09/09/13	19:04
Batch QCMS	KWG1309481-1	J:\GC27\DATA\090913\0909F009.D	09/09/13	19:19
Batch QCDMS	KWG1309481-2	J:\GC27\DATA\090913\0909F010.D	09/09/13	19:34

Client: JH Baxter & Company
Project: J.H. Baxter / Arlington

Service Request: K1308870
Calibration Date: 08/29/2013

Initial Calibration Summary
Pentachlorophenol

Calibration ID: CAL12742
Instrument ID: GC27

Column: Rtx-5

Level ID	File ID	Level ID	File ID
A	J:\GC27\DATA\082913P\0829F006.D	G	J:\GC27\DATA\082913P\0829F012.D
B	J:\GC27\DATA\082913P\0829F007.D	H	J:\GC27\DATA\082913P\0829F013.D
C	J:\GC27\DATA\082913P\0829F008.D	I	J:\GC27\DATA\082913P\0829F014.D
D	J:\GC27\DATA\082913P\0829F009.D	J	J:\GC27\DATA\082913P\0829F015.D
E	J:\GC27\DATA\082913P\0829F010.D		
F	J:\GC27\DATA\082913P\0829F011.D		

Analyte Name	Level ID	Amt	RF	Level ID	Amt	RF	Level ID	Amt	RF	Level ID	Amt	RF	Level ID	Amt	RF
Pentachlorophenol	A	0.95	2.95E+6	B	2.4	2.71E+6	C	4.8	2.68E+6	D	9.5	2.71E+6	E	24	2.40E+6
	F	48	2.22E+6	G	71	2.26E+6	H	95	2.25E+6	I	120	2.22E+6	J	140	2.21E+6
4-Bromo-2,6-dichlorophenol	A	1.0	2.04E+6	B	2.5	1.99E+6	C	5.0	2.00E+6	D	10	2.05E+6	E	25	1.79E+6
	F	50	1.71E+6	G	75	1.78E+6	H	100	1.80E+6	I	130	1.79E+6	J	150	1.77E+6

Results flagged with an asterisk (*) indicate values outside control criteria.

Client: JH Baxter & Company
Project: J.H. Baxter / Arlington

Service Request: K1308870
Calibration Date: 08/29/2013

Initial Calibration Summary
Pentachlorophenol

Calibration ID: CAL12742
Instrument ID: GC27

Column: Rtx-5

Analyte Name	Compound Type	Calibration Evaluation				
		Fit Type	Eval.	Eval. Result	Q	Control Criteria
Pentachlorophenol	MS	AverageRF	% RSD	11.2		≤ 20
4-Bromo-2,6-dichlorophenol	SURR	AverageRF	% RSD	6.9		≤ 20

Results flagged with an asterisk (*) indicate values outside control criteria.

QA/QC Results

Client: JH Baxter & Company
Project: J.H. Baxter / Arlington

Service Request: K1308870
Calibration Date: 08/29/2013
Date Analyzed: 08/29/2013

Second Source Calibration Verification
Pentachlorophenol

Calibration Type: External Standard
Analysis Method: 8151M

Calibration ID: CAL12742
Units: ug/L

File ID: J:\GC27\DATA\082913P\0829F016.D

Column ID: Rtx-5

Analyte Name	Expected	Result	Average RF	SSV RF	%D	%Drift	Criteria	Curve Fit
Pentachlorophenol	24	25	2460000	2620000	6	NA	± 20 %	AverageRF

Results flagged with an asterisk (*) indicate values outside control criteria.

† SPCC Compound

‡ CCC Compound

Client: JH Baxter & Company
Project: J.H. Baxter / Arlington

Service Request: K1308870
Calibration Date: 08/29/2013

Initial Calibration Summary
Pentachlorophenol

Calibration ID: CAL12742
Instrument ID: GC27

Column: Rtx-Dioxin 2

Level ID	File ID	Level ID	File ID
A	J:\GC27\DATA\082913P\0829F006.D\0829F006c.d	G	J:\GC27\DATA\082913P\0829F012.D\0829F012c.d
B	J:\GC27\DATA\082913P\0829F007.D\0829F007c.d	H	J:\GC27\DATA\082913P\0829F013.D\0829F013c.d
C	J:\GC27\DATA\082913P\0829F008.D\0829F008c.d	I	J:\GC27\DATA\082913P\0829F014.D\0829F014c.d
D	J:\GC27\DATA\082913P\0829F009.D\0829F009c.d	J	J:\GC27\DATA\082913P\0829F015.D\0829F015c.d
E	J:\GC27\DATA\082913P\0829F010.D\0829F010c.d		
F	J:\GC27\DATA\082913P\0829F011.D\0829F011c.d		

Analyte Name	Level ID	Amt	RF	Level ID	Amt	RF	Level ID	Amt	RF	Level ID	Amt	RF	Level ID	Amt	RF
Pentachlorophenol	A	0.95	1.46E+6	B	2.4	1.42E+6	C	4.8	1.37E+6	D	9.5	1.40E+6	E	24	1.19E+6
	F	48	1.12E+6	G	71	1.10E+6	H	95	1.11E+6	I	120	1.07E+6	J	140	1.06E+6
4-Bromo-2,6-dichlorophenol	A	1.0	8.32E+5	B	2.5	8.50E+5	C	5.0	8.69E+5	D	10	9.09E+5	E	25	8.15E+5
	F	50	7.73E+5	G	75	7.78E+5	H	100	7.88E+5	I	130	7.72E+5	J	150	7.60E+5

Results flagged with an asterisk (*) indicate values outside control criteria.

Client: JH Baxter & Company
Project: J.H. Baxter / Arlington

Service Request: K1308870
Calibration Date: 08/29/2013

Initial Calibration Summary
Pentachlorophenol

Calibration ID: CAL12742
Instrument ID: GC27

Column: Rtx-Dioxin 2

Analyte Name	Compound Type	Calibration Evaluation				
		Fit Type	Eval.	Eval. Result	Q	Control Criteria
Pentachlorophenol	MS	AverageRF	% RSD	13.2		≤ 20
4-Bromo-2,6-dichlorophenol	SURR	AverageRF	% RSD	6.1		≤ 20

Results flagged with an asterisk (*) indicate values outside control criteria.

ALS Group USA, Corp. dba ALS Environmental

QA/QC Results

Client: JH Baxter & Company
Project: J.H. Baxter / Arlington

Service Request: K1308870
Calibration Date: 08/29/2013
Date Analyzed: 08/29/2013

Second Source Calibration Verification
Pentachlorophenol

Calibration Type: External Standard
Analysis Method: 8151M

Calibration ID: CAL12742
Units: ug/L

File ID: J:\GC27\DATA\082913P\0829F016.D\0829F016c.d

Column ID: Rtx-Dioxin 2

Analyte Name	Expected	Result	Average RF	SSV RF	%D	%Drift	Criteria	Curve Fit
Pentachlorophenol	24	25	1230000	1310000	6	NA	± 20 %	AverageRF

Results flagged with an asterisk (*) indicate values outside control criteria.

† SPCC Compound

‡ CCC Compound

Client: JH Baxter & Company
Project: J.H. Baxter / Arlington

Service Request: K1308870
Date Analyzed: 09/05/2013

Continuing Calibration Verification Summary
Pentachlorophenol

Calibration Type: External Standard
Analysis Method: 8151M

Calibration Date: 08/29/2013
Calibration ID: CAL12742
Analysis Lot: KWG1309795
Units: ug/L

File ID: J:\GC27\DATA\090413B\0904FB03.D

Column ID: Rtx-5

Analyte Name	Expected	Result	Average RF	CCV RF	%D	%Drift	Criteria	Curve Fit
Pentachlorophenol	48	46	2460000	2370000	-4	NA	± 20 %	AverageRF
4-Bromo-2,6-dichlorophenol	50	48	1870000	1780000	-5	NA	± 20 %	AverageRF

Results flagged with an asterisk (*) indicate values outside control criteria.

ALS Group USA, Corp. dba ALS Environmental

QA/QC Results

Client: JH Baxter & Company
Project: J.H. Baxter / Arlington

Service Request: K1308870
Date Analyzed: 09/05/2013

Continuing Calibration Verification Summary
Pentachlorophenol

Calibration Type: External Standard
Analysis Method: 8151M

Calibration Date: 08/29/2013
Calibration ID: CAL12742
Analysis Lot: KWG1309795
Units: ug/L

File ID: J:\GC27\DATA\090413B\0904FB03.D\0904FB03C.D

Column ID: Rtx-Dioxin 2

Analyte Name	Expected	Result	Average RF	CCV RF	%D	%Drift	Criteria	Curve Fit
Pentachlorophenol	48	45	1230000	1170000	-5	NA	± 20 %	AverageRF
4-Bromo-2,6-dichlorophenol	50	48	815000	785000	-4	NA	± 20 %	AverageRF

Results flagged with an asterisk (*) indicate values outside control criteria.

Client: JH Baxter & Company
Project: J.H. Baxter / Arlington

Service Request: K1308870
Date Analyzed: 09/05/2013

Continuing Calibration Verification Summary
Pentachlorophenol

Calibration Type: External Standard
Analysis Method: 8151M

Calibration Date: 08/29/2013
Calibration ID: CAL12742
Analysis Lot: KWG1309795
Units: ug/L

File ID: J:\GC27\DATA\090413B\0904FB15.D

Column ID: Rtx-5

Analyte Name	Expected	Result	Average RF	CCV RF	%D	%Drift	Criteria	Curve Fit
Pentachlorophenol	48	43	2460000	2240000	-9	NA	± 20 %	AverageRF
4-Bromo-2,6-dichlorophenol	50	44	1870000	1640000	-12	NA	± 20 %	AverageRF

Results flagged with an asterisk (*) indicate values outside control criteria.

ALS Group USA, Corp. dba ALS Environmental

QA/QC Results

Client: JH Baxter & Company
Project: J.H. Baxter / Arlington

Service Request: K1308870
Date Analyzed: 09/05/2013

Continuing Calibration Verification Summary
Pentachlorophenol

Calibration Type: External Standard
Analysis Method: 8151M

Calibration Date: 08/29/2013
Calibration ID: CAL12742
Analysis Lot: KWG1309795
Units: ug/L

File ID: J:\GC27\DATA\090413B\0904FB15.D\0904FB15C.D

Column ID: Rtx-Dioxin 2

Analyte Name	Expected	Result	Average RF	CCV RF	%D	%Drift	Criteria	Curve Fit
Pentachlorophenol	48	43	1230000	1110000	-9	NA	± 20 %	AverageRF
4-Bromo-2,6-dichlorophenol	50	47	815000	758000	-7	NA	± 20 %	AverageRF

Results flagged with an asterisk (*) indicate values outside control criteria.

Client: JH Baxter & Company
Project: J.H. Baxter / Arlington

Service Request: K1308870
Date Analyzed: 09/05/2013

Continuing Calibration Verification Summary
Pentachlorophenol

Calibration Type: External Standard
Analysis Method: 8151M

Calibration Date: 08/29/2013
Calibration ID: CAL12742
Analysis Lot: KWG1309804
Units: ug/L

File ID: J:\GC27\DATA\090513\0905F004.D

Column ID: Rtx-5

Analyte Name	Expected	Result	Average RF	CCV RF	%D	%Drift	Criteria	Curve Fit
Pentachlorophenol	48	47	2460000	2420000	-2	NA	± 20 %	AverageRF
4-Bromo-2,6-dichlorophenol	50	48	1870000	1800000	-4	NA	± 20 %	AverageRF

Results flagged with an asterisk (*) indicate values outside control criteria.

ALS Group USA, Corp. dba ALS Environmental

QA/QC Results

Client: JH Baxter & Company
Project: J.H. Baxter / Arlington

Service Request: K1308870
Date Analyzed: 09/05/2013

Continuing Calibration Verification Summary
Pentachlorophenol

Calibration Type: External Standard
Analysis Method: 8151M

Calibration Date: 08/29/2013
Calibration ID: CAL12742
Analysis Lot: KWG1309804
Units: ug/L

File ID: J:\GC27\DATA\090513\0905F004.D\0905F004C.D

Column ID: Rtx-Dioxin 2

Analyte Name	Expected	Result	Average RF	CCV RF	%D	%Drift	Criteria	Curve Fit
Pentachlorophenol	48	46	1230000	1190000	-3	NA	± 20 %	AverageRF
4-Bromo-2,6-dichlorophenol	50	48	815000	788000	-3	NA	± 20 %	AverageRF

Results flagged with an asterisk (*) indicate values outside control criteria.

Client: JH Baxter & Company
Project: J.H. Baxter / Arlington

Service Request: K1308870
Date Analyzed: 09/05/2013

Continuing Calibration Verification Summary
Pentachlorophenol

Calibration Type: External Standard
Analysis Method: 8151M

Calibration Date: 08/29/2013
Calibration ID: CAL12742
Analysis Lot: KWG1309804
Units: ug/L

File ID: J:\GC27\DATA\090513\0905F015.D

Column ID: Rtx-5

Analyte Name	Expected	Result	Average RF	CCV RF	%D	%Drift	Criteria	Curve Fit
Pentachlorophenol	48	45	2460000	2310000	-6	NA	± 20 %	AverageRF
4-Bromo-2,6-dichlorophenol	50	44	1870000	1640000	-13	NA	± 20 %	AverageRF

Results flagged with an asterisk (*) indicate values outside control criteria.

Client: JH Baxter & Company
Project: J.H. Baxter / Arlington

Service Request: K1308870
Date Analyzed: 09/05/2013

Continuing Calibration Verification Summary
Pentachlorophenol

Calibration Type: External Standard
Analysis Method: 8151M

Calibration Date: 08/29/2013
Calibration ID: CAL12742
Analysis Lot: KWG1309804
Units: ug/L

File ID: J:\GC27\DATA\090513\0905F015.D\0905F015C.D

Column ID: Rtx-Dioxin 2

Analyte Name	Expected	Result	Average RF	CCV RF	%D	%Drift	Criteria	Curve Fit
Pentachlorophenol	48	43	1230000	1110000	-10	NA	± 20 %	AverageRF
4-Bromo-2,6-dichlorophenol	50	47	815000	760000	-7	NA	± 20 %	AverageRF

Results flagged with an asterisk (*) indicate values outside control criteria.

Client: JH Baxter & Company
Project: J.H. Baxter / Arlington

Service Request: K1308870
Date Analyzed: 09/09/2013

Continuing Calibration Verification Summary
Pentachlorophenol

Calibration Type: External Standard
Analysis Method: 8151M

Calibration Date: 08/29/2013
Calibration ID: CAL12742
Analysis Lot: KWG1309814
Units: ug/L

File ID: J:\GC27\DATA\090913\0909F004.D

Column ID: Rtx-5

Analyte Name	Expected	Result	Average RF	CCV RF	%D	%Drift	Criteria	Curve Fit
Pentachlorophenol	48	45	2460000	2310000	-6	NA	± 20 %	AverageRF
4-Bromo-2,6-dichlorophenol	50	46	1870000	1720000	-8	NA	± 20 %	AverageRF

Results flagged with an asterisk (*) indicate values outside control criteria.

Client: JH Baxter & Company
Project: J.H. Baxter / Arlington

Service Request: K1308870
Date Analyzed: 09/09/2013

Continuing Calibration Verification Summary
Pentachlorophenol

Calibration Type: External Standard
Analysis Method: 8151M

Calibration Date: 08/29/2013
Calibration ID: CAL12742
Analysis Lot: KWG1309814
Units: ug/L

File ID: J:\GC27\DATA\090913\0909F004.D\0909F004C.D

Column ID: Rtx-Dioxin 2

Analyte Name	Expected	Result	Average RF	CCV RF	%D	%Drift	Criteria	Curve Fit
Pentachlorophenol	48	45	1230000	1170000	-5	NA	± 20 %	AverageRF
4-Bromo-2,6-dichlorophenol	50	48	815000	779000	-4	NA	± 20 %	AverageRF

Results flagged with an asterisk (*) indicate values outside control criteria.

Client: JH Baxter & Company
Project: J.H. Baxter / Arlington

Service Request: K1308870
Date Analyzed: 09/09/2013

Continuing Calibration Verification Summary
Pentachlorophenol

Calibration Type: External Standard
Analysis Method: 8151M

Calibration Date: 08/29/2013
Calibration ID: CAL12742
Analysis Lot: KWG1309814
Units: ug/L

File ID: J:\GC27\DATA\090913\0909F011.D

Column ID: Rtx-5

Analyte Name	Expected	Result	Average RF	CCV RF	%D	%Drift	Criteria	Curve Fit
Pentachlorophenol	48	44	2460000	2280000	-7	NA	± 20 %	AverageRF
4-Bromo-2,6-dichlorophenol	50	46	1870000	1730000	-7	NA	± 20 %	AverageRF

Results flagged with an asterisk (*) indicate values outside control criteria.

Client: JH Baxter & Company
Project: J.H. Baxter / Arlington

Service Request: K1308870
Date Analyzed: 09/09/2013

Continuing Calibration Verification Summary
Pentachlorophenol

Calibration Type: External Standard
Analysis Method: 8151M

Calibration Date: 08/29/2013
Calibration ID: CAL12742
Analysis Lot: KWG1309814
Units: ug/L

File ID: J:\GC27\DATA\090913\0909F011.D\0909F011C.D

Column ID: Rtx-Dioxin 2

Analyte Name	Expected	Result	Average RF	CCV RF	%D	%Drift	Criteria	Curve Fit
Pentachlorophenol	48	45	1230000	1170000	-5	NA	± 20 %	AverageRF
4-Bromo-2,6-dichlorophenol	50	49	815000	798000	-2	NA	± 20 %	AverageRF

Results flagged with an asterisk (*) indicate values outside control criteria.

Client: JH Baxter & Company
Project: J.H. Baxter / Arlington

Service Request: K1308870

Analysis Run Log
Pentachlorophenol

Analysis Method: 8151M

Analysis Lot: KWG1309795
Instrument ID: GC27
Column: Rtx-5

File ID	Sample Name	Lab Code	Date Analysis Started	Start Time	Q	Date Analysis Finished	Finish Time
0904FB03.D	Continuing Calibration Verification	KWG1309795-1	9/5/2013	02:04		9/5/2013	02:12
0904FB04.D	Instrument Blank	KWG1309795-2	9/5/2013	02:18		9/5/2013	02:26
0904FB05.D	BXS-1	K1308870-001	9/5/2013	02:33		9/5/2013	02:41
0904FB06.D	BXS-2	K1308870-002	9/5/2013	02:48		9/5/2013	02:56
0904FB07.D	BXS-5	K1308870-003	9/5/2013	03:03		9/5/2013	03:11
0904FB08.D	ZZZZZZ	ZZZZZZ	9/5/2013	03:18		9/5/2013	03:26
0904FB09.D	ZZZZZZ	ZZZZZZ	9/5/2013	03:33		9/5/2013	03:41
0904FB10.D	ZZZZZZ	ZZZZZZ	9/5/2013	03:48		9/5/2013	03:56
0904FB11.D	ZZZZZZ	ZZZZZZ	9/5/2013	04:03		9/5/2013	04:11
0904FB12.D	Batch QC	K1308873-001	9/5/2013	04:18		9/5/2013	04:26
0904FB13.D	Batch QCMS	KWG1309481-1	9/5/2013	04:32		9/5/2013	04:40
0904FB14.D	Batch QCDMS	KWG1309481-2	9/5/2013	04:47		9/5/2013	04:55
0904FB15.D	Continuing Calibration Verification	KWG1309795-3	9/5/2013	05:02		9/5/2013	05:10
0904FB16.D	Instrument Blank	KWG1309795-4	9/5/2013	05:17		9/5/2013	05:25
0904FB17.D	ZZZZZZ	ZZZZZZ	9/5/2013	05:32		9/5/2013	05:40
0904FB18.D	ZZZZZZ	ZZZZZZ	9/5/2013	05:47		9/5/2013	05:55
0904FB19.D	ZZZZZZ	ZZZZZZ	9/5/2013	06:02		9/5/2013	06:10
0904FB20.D	ZZZZZZ	ZZZZZZ	9/5/2013	06:17		9/5/2013	06:25
0904FB21.D	ZZZZZZ	ZZZZZZ	9/5/2013	06:32		9/5/2013	06:40
0904FB22.D	Continuing Calibration Verification	KWG1309795-5	9/5/2013	06:47		9/5/2013	06:55
0904FB23.D	Instrument Blank	KWG1309795-6	9/5/2013	07:02		9/5/2013	07:10

Results flagged with an asterisk (*) indicate the holding time was exceeded for the analysis

ALS Group USA, Corp. dba ALS Environmental

QA/QC Results

Client: JH Baxter & Company
Project: J.H. Baxter / Arlington

Service Request: K1308870

Analysis Run Log
Pentachlorophenol

Analysis Method: 8151M

Analysis Lot: KWG1309804
Instrument ID: GC27
Column: Rtx-5

File ID	Sample Name	Lab Code	Date Analysis Started	Start Time	Q	Date Analysis Finished	Finish Time
0905F004.D	Continuing Calibration Verification	KWG1309804-1	9/5/2013	10:32		9/5/2013	10:40
0905F005.D	Instrument Blank	KWG1309804-2	9/5/2013	10:47		9/5/2013	10:55
0905F006.D	ZZZZZZ	ZZZZZZ	9/5/2013	11:02		9/5/2013	11:10
0905F007.D	ZZZZZZ	ZZZZZZ	9/5/2013	11:17		9/5/2013	11:25
0905F008.D	ZZZZZZ	ZZZZZZ	9/5/2013	11:32		9/5/2013	11:40
0905F009.D	ZZZZZZ	ZZZZZZ	9/5/2013	11:47		9/5/2013	11:55
0905F010.D	ZZZZZZ	ZZZZZZ	9/5/2013	12:02		9/5/2013	12:10
0905F011.D	ZZZZZZ	ZZZZZZ	9/5/2013	12:17		9/5/2013	12:25
0905F012.D	Trip Blank	K1308870-004	9/5/2013	12:32		9/5/2013	12:40
0905F013.D	Lab Control Sample	KWG1309481-3	9/5/2013	12:47		9/5/2013	12:55
0905F014.D	Method Blank	KWG1309481-4	9/5/2013	13:02		9/5/2013	13:10
0905F015.D	Continuing Calibration Verification	KWG1309804-3	9/5/2013	13:17		9/5/2013	13:25
0905F016.D	Instrument Blank	KWG1309804-4	9/5/2013	13:32		9/5/2013	13:40

Results flagged with an asterisk (*) indicate the holding time was exceeded for the analysis

Client: JH Baxter & Company
Project: J.H. Baxter / Arlington

Service Request: K1308870

Analysis Run Log
Pentachlorophenol

Analysis Method: 8151M

Analysis Lot: KWG1309814
Instrument ID: GC27
Column: Rtx-5

File ID	Sample Name	Lab Code	Date Analysis Started	Start Time	Q	Date Analysis Finished	Finish Time
0909F004.D	Continuing Calibration Verification	KWG1309814-1	9/9/2013	18:03		9/9/2013	18:11
0909F005.D	Instrument Blank	KWG1309814-2	9/9/2013	18:19		9/9/2013	18:27
0909F006.D	BXS-1	K1308870-001	9/9/2013	18:34		9/9/2013	18:42
0909F007.D	BXS-5	K1308870-003	9/9/2013	18:49		9/9/2013	18:57
0909F008.D	Batch QC	K1308873-001	9/9/2013	19:04		9/9/2013	19:12
0909F009.D	Batch QCMS	KWG1309481-1	9/9/2013	19:19		9/9/2013	19:27
0909F010.D	Batch QCDMS	KWG1309481-2	9/9/2013	19:34		9/9/2013	19:42
0909F011.D	Continuing Calibration Verification	KWG1309814-3	9/9/2013	19:49		9/9/2013	19:57
0909F012.D	Instrument Blank	KWG1309814-4	9/9/2013	20:04		9/9/2013	20:12
0909F014.D	ZZZZZZ	ZZZZZZ	9/9/2013	20:34		9/9/2013	20:42
0909F015.D	ZZZZZZ	ZZZZZZ	9/9/2013	20:49		9/9/2013	20:57
0909F017.D	ZZZZZZ	ZZZZZZ	9/9/2013	21:19		9/9/2013	21:27
0909F018.D	ZZZZZZ	ZZZZZZ	9/9/2013	21:34		9/9/2013	21:42
0909F019.D	Continuing Calibration Verification	KWG1309814-5	9/9/2013	21:49		9/9/2013	21:57
0909F020.D	Instrument Blank	KWG1309814-6	9/9/2013	22:04		9/9/2013	22:12

Results flagged with an asterisk (*) indicate the holding time was exceeded for the analysis

ALS Group USA, Corp. dba ALS Environmental

QA/QC Results

Client: JH Baxter & Company
Project: J.H. Baxter / Arlington
Sample Matrix: Water

Service Request: K1308870
Date Extracted: 08/30/2013

Extraction Prep Log
Pentachlorophenol

Extraction Method: Method
Analysis Method: 8151M

Extraction Lot: KWG1309481
Level: Low

Sample Name	Lab Code	Date Collected	Date Received	Sample Amount	Final Volume	% Solids	Note
BXS-1	K1308870-001	08/27/13	08/29/13	5mL	1mL	NA	
BXS-1DL	K1308870-001	08/27/13	08/29/13	5mL	1mL	NA	
BXS-2	K1308870-002	08/27/13	08/29/13	5mL	1mL	NA	
BXS-5	K1308870-003	08/27/13	08/29/13	5mL	1mL	NA	
BXS-5DL	K1308870-003	08/27/13	08/29/13	5mL	1mL	NA	
Trip Blank	K1308870-004	08/27/13	08/29/13	5mL	1mL	NA	
Method Blank	KWG1309481-4	NA	NA	5mL	1mL	NA	
Batch QC	K1308873-001	NA	NA	5mL	1mL	NA	
Batch QCDL	K1308873-001	NA	NA	5mL	1mL	NA	
Batch QCMS	KWG1309481-1	NA	NA	5mL	1mL	NA	
Batch QCDMS	KWG1309481-2	NA	NA	5mL	1mL	NA	
Lab Control Sample	KWG1309481-3	NA	NA	5mL	1mL	NA	

Results flagged with an asterisk (*) indicate the holding time was exceeded for the analysis

Confirmation Results

Client: JH Baxter & Company
Project: J.H. Baxter / Arlington
Sample Matrix: Water

Service Request: K1308870
Date Collected: 08/27/2013
Date Received: 08/29/2013
Date Extracted: 08/30/2013

Pentachlorophenol

Sample Name: BXS-1
Lab Code: K1308870-001
Extraction Method: Method
Analysis Method: 8151M

Units: ug/L
Basis: NA
Level: Low

Analyte Name	MRL	MDL	Primary Result	Confirmation Result	RPD	Q	Dilution Factor	Date Analyzed
Pentachlorophenol	5.0	1.6	51	53	3.8	D	10	09/09/13

ALS Group USA, Corp. dba ALS Environmental

Confirmation Results

Client: JH Baxter & Company
Project: J.H. Baxter / Arlington
Sample Matrix: Water

Service Request: K1308870
Date Collected: 08/27/2013
Date Received: 08/29/2013
Date Extracted: 08/30/2013

Pentachlorophenol

Sample Name: BXS-5
Lab Code: K1308870-003
Extraction Method: Method
Analysis Method: 8151M

Units: ug/L
Basis: NA
Level: Low

Analyte Name	MRL	MDL	Primary Result	Confirmation Result	RPD	Q	Dilution Factor	Date Analyzed
Pentachlorophenol	5.0	1.6	45	46	2.2	D	10	09/09/13

Polynuclear Aromatic Hydrocarbons

Organic Analysis:
Polynuclear Aromatic Hydrocarbons

Summary Package

Sample and QC Results

ALS Group USA, Corp. dba ALS Environmental

Client: JH Baxter & Company
Project: J.H. Baxter / Arlington

Service Request: K1308870

Cover Page - Organic Analysis Data Package
Polynuclear Aromatic Hydrocarbons

Sample Name	Lab Code	Date Collected	Date Received
BXS-1	K1308870-001	08/27/2013	08/29/2013
BXS-2	K1308870-002	08/27/2013	08/29/2013
BXS-5	K1308870-003	08/27/2013	08/29/2013

I certify that this data package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the conditions detailed in the case narrative. Release of the data contained in this hardcopy data package and in the computer-readable data has been authorized by the Laboratory Manager or the Manager's designee, as verified by the following signature.

Signature: [signature]

Name: Carl Degren

Date: 9/10/13

Title: SVMS Supervisor

ALS Group USA, Corp. dba ALS Environmental

Analytical Results

Client:	JH Baxter & Company	**Service Request:**	K1308870
Project:	J.H. Baxter / Arlington	**Date Collected:**	08/27/2013
Sample Matrix:	Water	**Date Received:**	08/29/2013

Polynuclear Aromatic Hydrocarbons

Sample Name:	BXS-1	**Units:**	ug/L
Lab Code:	K1308870-001	**Basis:**	NA
Extraction Method:	EPA 3520C	**Level:**	Low
Analysis Method:	8270D SIM		

Analyte Name	Result	Q	MRL	MDL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Note
Naphthalene	**0.14**		0.020	0.0038	1	09/03/13	09/06/13	KWG1309350	
2-Methylnaphthalene	**0.0049**	J	0.020	0.0023	1	09/03/13	09/06/13	KWG1309350	
Acenaphthylene	ND	U	0.020	0.0034	1	09/03/13	09/06/13	KWG1309350	
Acenaphthene	ND	U	0.020	0.0044	1	09/03/13	09/06/13	KWG1309350	
Fluorene	**0.0055**	J	0.020	0.0038	1	09/03/13	09/06/13	KWG1309350	
Phenanthrene	ND	U	0.020	0.0050	1	09/03/13	09/06/13	KWG1309350	
Anthracene	ND	U	0.020	0.0036	1	09/03/13	09/06/13	KWG1309350	
Fluoranthene	ND	U	0.020	0.010	1	09/03/13	09/06/13	KWG1309350	
Pyrene	ND	U	0.020	0.0053	1	09/03/13	09/06/13	KWG1309350	
Benz(a)anthracene	ND	U	0.020	0.0026	1	09/03/13	09/06/13	KWG1309350	
Chrysene	ND	U	0.020	0.0034	1	09/03/13	09/06/13	KWG1309350	
Benzo(b)fluoranthene	ND	U	0.020	0.0041	1	09/03/13	09/06/13	KWG1309350	
Benzo(k)fluoranthene	ND	U	0.020	0.0030	1	09/03/13	09/06/13	KWG1309350	
Benzo(a)pyrene	ND	U	0.020	0.0043	1	09/03/13	09/06/13	KWG1309350	
Indeno(1,2,3-cd)pyrene	ND	U	0.020	0.0026	1	09/03/13	09/06/13	KWG1309350	
Dibenz(a,h)anthracene	ND	U	0.020	0.0025	1	09/03/13	09/06/13	KWG1309350	
Benzo(g,h,i)perylene	ND	U	0.020	0.0029	1	09/03/13	09/06/13	KWG1309350	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
Fluorene-d10	90	46-114	09/06/13	Acceptable
Fluoranthene-d10	93	51-121	09/06/13	Acceptable
Terphenyl-d14	105	58-140	09/06/13	Acceptable

Comments:

ALS Group USA, Corp. dba ALS Environmental

Analytical Results

Client:	JH Baxter & Company	**Service Request:**	K1308870
Project:	J.H. Baxter / Arlington	**Date Collected:**	08/27/2013
Sample Matrix:	Water	**Date Received:**	08/29/2013

Polynuclear Aromatic Hydrocarbons

Sample Name:	BXS-2	**Units:**	ug/L
Lab Code:	K1308870-002	**Basis:**	NA
Extraction Method:	EPA 3520C	**Level:**	Low
Analysis Method:	8270D SIM		

Analyte Name	Result	Q	MRL	MDL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Note
Naphthalene	**0.15**		0.020	0.0038	1	09/03/13	09/06/13	KWG1309350	
2-Methylnaphthalene	**0.0073**	J	0.020	0.0023	1	09/03/13	09/06/13	KWG1309350	
Acenaphthylene	**0.010**	J	0.020	0.0034	1	09/03/13	09/06/13	KWG1309350	
Acenaphthene	**0.0067**	JX	0.020	0.0044	1	09/03/13	09/06/13	KWG1309350	
Fluorene	**0.0049**	J	0.020	0.0038	1	09/03/13	09/06/13	KWG1309350	
Phenanthrene	ND	U	0.020	0.0050	1	09/03/13	09/06/13	KWG1309350	
Anthracene	ND	U	0.020	0.0036	1	09/03/13	09/06/13	KWG1309350	
Fluoranthene	ND	U	0.020	0.010	1	09/03/13	09/06/13	KWG1309350	
Pyrene	**0.0079**	J	0.020	0.0053	1	09/03/13	09/06/13	KWG1309350	
Benz(a)anthracene	ND	U	0.020	0.0026	1	09/03/13	09/06/13	KWG1309350	
Chrysene	ND	U	0.020	0.0034	1	09/03/13	09/06/13	KWG1309350	
Benzo(b)fluoranthene	ND	U	0.020	0.0041	1	09/03/13	09/06/13	KWG1309350	
Benzo(k)fluoranthene	ND	U	0.020	0.0030	1	09/03/13	09/06/13	KWG1309350	
Benzo(a)pyrene	ND	U	0.020	0.0043	1	09/03/13	09/06/13	KWG1309350	
Indeno(1,2,3-cd)pyrene	ND	U	0.020	0.0026	1	09/03/13	09/06/13	KWG1309350	
Dibenz(a,h)anthracene	ND	U	0.020	0.0025	1	09/03/13	09/06/13	KWG1309350	
Benzo(g,h,i)perylene	ND	U	0.020	0.0029	1	09/03/13	09/06/13	KWG1309350	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
Fluorene-d10	90	46-114	09/06/13	Acceptable
Fluoranthene-d10	93	51-121	09/06/13	Acceptable
Terphenyl-d14	106	58-140	09/06/13	Acceptable

Comments:

ALS Group USA, Corp. dba ALS Environmental

Analytical Results

Client:	JH Baxter & Company	**Service Request:**	K1308870
Project:	J.H. Baxter / Arlington	**Date Collected:**	08/27/2013
Sample Matrix:	Water	**Date Received:**	08/29/2013

Polynuclear Aromatic Hydrocarbons

Sample Name:	BXS-5	**Units:**	ug/L
Lab Code:	K1308870-003	**Basis:**	NA
Extraction Method:	EPA 3520C	**Level:**	Low
Analysis Method:	8270D SIM		

Analyte Name	Result	Q	MRL	MDL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Note
Naphthalene	**0.13**		0.020	0.0038	1	09/03/13	09/06/13	KWG1309350	
2-Methylnaphthalene	**0.0045**	J	0.020	0.0023	1	09/03/13	09/06/13	KWG1309350	
Acenaphthylene	ND	U	0.020	0.0034	1	09/03/13	09/06/13	KWG1309350	
Acenaphthene	ND	U	0.020	0.0044	1	09/03/13	09/06/13	KWG1309350	
Fluorene	**0.0055**	J	0.020	0.0038	1	09/03/13	09/06/13	KWG1309350	
Phenanthrene	ND	U	0.020	0.0050	1	09/03/13	09/06/13	KWG1309350	
Anthracene	**0.0099**	JX	0.020	0.0036	1	09/03/13	09/06/13	KWG1309350	
Fluoranthene	ND	U	0.020	0.010	1	09/03/13	09/06/13	KWG1309350	
Pyrene	ND	U	0.020	0.0053	1	09/03/13	09/06/13	KWG1309350	
Benz(a)anthracene	ND	U	0.020	0.0026	1	09/03/13	09/06/13	KWG1309350	
Chrysene	ND	U	0.020	0.0034	1	09/03/13	09/06/13	KWG1309350	
Benzo(b)fluoranthene	ND	U	0.020	0.0041	1	09/03/13	09/06/13	KWG1309350	
Benzo(k)fluoranthene	ND	U	0.020	0.0030	1	09/03/13	09/06/13	KWG1309350	
Benzo(a)pyrene	ND	U	0.020	0.0043	1	09/03/13	09/06/13	KWG1309350	
Indeno(1,2,3-cd)pyrene	ND	U	0.020	0.0026	1	09/03/13	09/06/13	KWG1309350	
Dibenz(a,h)anthracene	ND	U	0.020	0.0025	1	09/03/13	09/06/13	KWG1309350	
Benzo(g,h,i)perylene	ND	U	0.020	0.0029	1	09/03/13	09/06/13	KWG1309350	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
Fluorene-d10	90	46-114	09/06/13	Acceptable
Fluoranthene-d10	91	51-121	09/06/13	Acceptable
Terphenyl-d14	103	58-140	09/06/13	Acceptable

Comments:

ALS Group USA, Corp. dba ALS Environmental

Analytical Results

Client:	JH Baxter & Company	**Service Request:**	K1308870
Project:	J.H. Baxter / Arlington	**Date Collected:**	NA
Sample Matrix:	Water	**Date Received:**	NA

Polynuclear Aromatic Hydrocarbons

Sample Name:	Method Blank	**Units:**	ug/L
Lab Code:	KWG1309350-3	**Basis:**	NA
Extraction Method:	EPA 3520C	**Level:**	Low
Analysis Method:	8270D SIM		

Analyte Name	Result	Q	MRL	MDL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Note
Naphthalene	ND	U	0.019	0.0038	1	09/03/13	09/05/13	KWG1309350	
2-Methylnaphthalene	**0.0026**	J	0.019	0.0023	1	09/03/13	09/05/13	KWG1309350	
Acenaphthylene	**0.0048**	J	0.019	0.0034	1	09/03/13	09/05/13	KWG1309350	
Acenaphthene	ND	U	0.019	0.0044	1	09/03/13	09/05/13	KWG1309350	
Fluorene	**0.0067**	J	0.019	0.0038	1	09/03/13	09/05/13	KWG1309350	
Phenanthrene	**0.0068**	J	0.019	0.0050	1	09/03/13	09/05/13	KWG1309350	
Anthracene	**0.0048**	J	0.019	0.0036	1	09/03/13	09/05/13	KWG1309350	
Fluoranthene	ND	U	0.019	0.010	1	09/03/13	09/05/13	KWG1309350	
Pyrene	ND	U	0.019	0.0053	1	09/03/13	09/05/13	KWG1309350	
Benz(a)anthracene	**0.0041**	J	0.019	0.0026	1	09/03/13	09/05/13	KWG1309350	
Chrysene	ND	U	0.019	0.0034	1	09/03/13	09/05/13	KWG1309350	
Benzo(b)fluoranthene	ND	U	0.019	0.0041	1	09/03/13	09/05/13	KWG1309350	
Benzo(k)fluoranthene	ND	U	0.019	0.0030	1	09/03/13	09/05/13	KWG1309350	
Benzo(a)pyrene	ND	U	0.019	0.0043	1	09/03/13	09/05/13	KWG1309350	
Indeno(1,2,3-cd)pyrene	**0.0030**	J	0.019	0.0026	1	09/03/13	09/05/13	KWG1309350	
Dibenz(a,h)anthracene	**0.0034**	J	0.019	0.0025	1	09/03/13	09/05/13	KWG1309350	
Benzo(g,h,i)perylene	**0.0052**	J	0.019	0.0029	1	09/03/13	09/05/13	KWG1309350	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
Fluorene-d10	92	46-114	09/05/13	Acceptable
Fluoranthene-d10	92	51-121	09/05/13	Acceptable
Terphenyl-d14	106	58-140	09/05/13	Acceptable

Comments:

ALS Group USA, Corp. dba ALS Environmental

QA/QC Report

Client: JH Baxter & Company
Project: J.H. Baxter / Arlington
Sample Matrix: Water

Service Request: K1308870

Surrogate Recovery Summary
Polynuclear Aromatic Hydrocarbons

Extraction Method: EPA 3520C
Analysis Method: 8270D SIM

Units: Percent
Level: Low

Sample Name	Lab Code	Sur1	Sur2	Sur3
BXS-1	K1308870-001	90	93	105
BXS-2	K1308870-002	90	93	106
BXS-5	K1308870-003	90	91	103
Method Blank	KWG1309350-3	92	92	106
Lab Control Sample	KWG1309350-1	90	99	108
Duplicate Lab Control Sample	KWG1309350-2	94	99	109

Surrogate Recovery Control Limits (%)

Sur1 =	Fluorene-d10	46-114
Sur2 =	Fluoranthene-d10	51-121
Sur3 =	Terphenyl-d14	58-140

Results flagged with an asterisk (*) indicate values outside control criteria.
Results flagged with a pound (#) indicate the control criteria is not applicable.

QA/QC Report

Client: JH Baxter & Company
Project: J.H. Baxter / Arlington

Service Request: K1308870
Date Analyzed: 09/05/2013
Time Analyzed: 19:17

Internal Standard Area and RT Summary
Polynuclear Aromatic Hydrocarbons

File ID: J:\MS11\DATA\090513\0905F030.D
Instrument ID: MS11
Analysis Method: 8270D SIM

Lab Code: KWG1309596-2
Analysis Lot: KWG1309596

		Naphthalene-d8		Acenaphthene-d10		Phenanthrene-d10	
		Area	RT	Area	RT	Area	RT
	Results ==>	154,596	4.92	81,466	6.33	160,168	7.56
	Upper Limit ==>	309,192	5.42	162,932	6.83	320,336	8.06
	Lower Limit ==>	77,298	4.42	40,733	5.83	80,084	7.06
	ICAL Result ==>	135,118	4.95	74,411	6.35	146,892	7.59
Associated Analyses							
Method Blank	KWG1309350-3	161,464	4.92	87,682	6.33	171,360	7.56
Lab Control Sample	KWG1309350-1	160,520	4.92	83,681	6.33	161,103	7.56
Duplicate Lab Control Sample	KWG1309350-2	159,663	4.92	83,344	6.33	161,654	7.56
BXS-1	K1308870-001	158,762	4.92	87,108	6.33	171,067	7.56
BXS-2	K1308870-002	157,730	4.92	88,918	6.33	168,069	7.56
BXS-5	K1308870-003	165,228	4.92	90,657	6.33	176,219	7.56

Results flagged with an asterisk (*) indicate values outside control criteria.

Client: JH Baxter & Company
Project: J.H. Baxter / Arlington

Service Request: K1308870
Date Analyzed: 09/05/2013
Time Analyzed: 19:17

Internal Standard Area and RT Summary
Polynuclear Aromatic Hydrocarbons

File ID: J:\MS11\DATA\090513\0905F030.D
Instrument ID: MS11
Analysis Method: 8270D SIM

Lab Code: KWG1309596-2
Analysis Lot: KWG1309596

		Chrysene-d12		Perylene-d12	
		Area	RT	Area	RT
	Results ==>	180,547	10.31	186,440	13.96
	Upper Limit ==>	361,094	10.81	372,880	14.46
	Lower Limit ==>	90,274	9.81	93,220	13.46
	ICAL Result ==>	180,050	10.35	182,738	14.01
Associated Analyses					
Method Blank	KWG1309350-3	187,439	10.30	190,290	13.95
Lab Control Sample	KWG1309350-1	180,893	10.30	183,845	13.95
Duplicate Lab Control Sample	KWG1309350-2	180,999	10.31	182,493	13.95
BXS-1	K1308870-001	195,516	10.30	198,259	13.95
BXS-2	K1308870-002	182,730	10.31	192,246	13.96
BXS-5	K1308870-003	203,322	10.31	206,935	13.95

Results flagged with an asterisk (*) indicate values outside control criteria.

QA/QC Report

Client: JH Baxter & Company
Project: J.H. Baxter / Arlington
Sample Matrix: Water

Service Request: K1308870
Date Extracted: 09/03/2013
Date Analyzed: 09/05/2013

Lab Control Spike/Duplicate Lab Control Spike Summary
Polynuclear Aromatic Hydrocarbons

Extraction Method: EPA 3520C
Analysis Method: 8270D SIM

Units: ug/L
Basis: NA
Level: Low
Extraction Lot: KWG1309350

	Lab Control Sample KWG1309350-1 Lab Control Spike			Duplicate Lab Control Sample KWG1309350-2 Duplicate Lab Control Spike					
Analyte Name	**Result**	**Spike Amount**	**%Rec**	**Result**	**Spike Amount**	**%Rec**	**%Rec Limits**	**RPD**	**RPD Limit**
Naphthalene	2.31	2.50	93	2.18	2.50	87	39-110	6	30
2-Methylnaphthalene	2.33	2.50	93	2.17	2.50	87	39-115	7	30
Acenaphthylene	2.56	2.50	102	2.47	2.50	99	44-115	3	30
Acenaphthene	2.51	2.50	100	2.41	2.50	97	44-113	4	30
Fluorene	2.56	2.50	102	2.47	2.50	99	48-118	4	30
Phenanthrene	2.58	2.50	103	2.45	2.50	98	47-120	5	30
Anthracene	2.51	2.50	100	2.44	2.50	98	44-117	3	30
Fluoranthene	2.69	2.50	107	2.55	2.50	102	48-128	5	30
Pyrene	2.85	2.50	114	2.74	2.50	110	42-133	4	30
Benz(a)anthracene	2.64	2.50	106	2.46	2.50	98	48-125	7	30
Chrysene	2.67	2.50	107	2.54	2.50	101	50-128	5	30
Benzo(b)fluoranthene	2.61	2.50	104	2.51	2.50	100	49-131	4	30
Benzo(k)fluoranthene	2.81	2.50	112	2.63	2.50	105	54-131	6	30
Benzo(a)pyrene	2.78	2.50	111	2.64	2.50	106	43-134	5	30
Indeno(1,2,3-cd)pyrene	2.63	2.50	105	2.50	2.50	100	45-133	5	30
Dibenz(a,h)anthracene	2.60	2.50	104	2.51	2.50	100	49-133	4	30
Benzo(g,h,i)perylene	2.65	2.50	106	2.54	2.50	101	51-124	4	30

Results flagged with an asterisk (*) indicate values outside control criteria.

Percent recoveries and relative percent differences (RPD) are determined by the software using values in the calculation which have not been rounded.

ALS Group USA, Corp. dba ALS Environmental

QA/QC Report

Client:	JH Baxter & Company	**Service Request:**	K1308870
Project:	J.H. Baxter / Arlington	**Date Extracted:**	09/03/2013
Sample Matrix:	Water	**Date Analyzed:**	09/05/2013
		Time Analyzed:	19:44

Method Blank Summary
Polynuclear Aromatic Hydrocarbons

Sample Name:	Method Blank	**Instrument ID:**	MS11
Lab Code:	KWG1309350-3	**File ID:**	J:\MS11\DATA\090513\0905F032.D
Extraction Method:	EPA 3520C	**Level:**	Low
Analysis Method:	8270D SIM	**Extraction Lot:**	KWG1309350

This Method Blank applies to the following analyses:

Sample Name	Lab Code	File ID	Date Analyzed	Time Analyzed
Lab Control Sample	KWG1309350-1	J:\MS11\DATA\090513\0905F036.D	09/05/13	21:29
Duplicate Lab Control Sample	KWG1309350-2	J:\MS11\DATA\090513\0905F037.D	09/05/13	21:56
BXS-1	K1308870-001	J:\MS11\DATA\090513\0905F042.D	09/06/13	00:07
BXS-2	K1308870-002	J:\MS11\DATA\090513\0905F043.D	09/06/13	00:34
BXS-5	K1308870-003	J:\MS11\DATA\090513\0905F044.D	09/06/13	01:00

ALS Group USA, Corp. dba ALS Environmental

QA/QC Report

Client:	JH Baxter & Company	**Service Request:**	K1308870
Project:	J.H. Baxter / Arlington	**Date Extracted:**	09/03/2013
Sample Matrix:	Water	**Date Analyzed:**	09/05/2013
		Time Analyzed:	21:29

Lab Control Sample Summary
Polynuclear Aromatic Hydrocarbons

Sample Name:	Lab Control Sample	**Instrument ID:**	MS11
Lab Code:	KWG1309350-1	**File ID:**	J:\MS11\DATA\090513\0905F036.D
Extraction Method:	EPA 3520C	**Level:**	Low
Analysis Method:	8270D SIM	**Extraction Lot:**	KWG1309350

This Lab Control Sample applies to the following analyses:

Sample Name	Lab Code	File ID	Date Analyzed	Time Analyzed
Method Blank	KWG1309350-3	J:\MS11\DATA\090513\0905F032.D	09/05/13	19:44
BXS-1	K1308870-001	J:\MS11\DATA\090513\0905F042.D	09/06/13	00:07
BXS-2	K1308870-002	J:\MS11\DATA\090513\0905F043.D	09/06/13	00:34
BXS-5	K1308870-003	J:\MS11\DATA\090513\0905F044.D	09/06/13	01:00

ALS Group USA, Corp. dba ALS Environmental

QA/QC Results

Client: JH Baxter & Company
Project: J.H. Baxter / Arlington

Service Request: K1308870
Date Analyzed: 09/05/2013
Time Analyzed: 18:51

Tune Summary
Polynuclear Aromatic Hydrocarbons

File ID: J:\MS11\DATA\090513\0905F029.D
Instrument ID: MS11
Column:

Analysis Method: 8270D SIM
Analysis Lot: KWG1309596

Target Mass	Relative to Mass	Lower Limit%	Upper Limit%	Relative Abundance %	Raw Abundance	Result Pass/Fail
51	198	10	80	35.0	70781	PASS
68	69	0	2	0.0	0	PASS
69	198	0	100	39.0	78736	PASS
70	69	0	2	0.5	426	PASS
127	198	10	80	45.6	92096	PASS
197	198	0	2	0.0	0	PASS
198	442	30	100	39.8	201984	PASS
199	198	5	9	6.9	14007	PASS
275	198	10	60	34.7	70013	PASS
365	442	1	50	1.8	9307	PASS
441	443	0	100	72.3	72800	PASS
442	442	100	100	100.0	507306	PASS
443	442	15	24	19.9	100749	PASS

Sample Name	Lab Code	File ID	Date Analyzed	Time Analyzed	Q
Continuing Calibration Verification	KWG1309596-2	J:\MS11\DATA\090513\0905F030.D	09/05/2013	19:17	
Method Blank	KWG1309350-3	J:\MS11\DATA\090513\0905F032.D	09/05/2013	19:44	
Lab Control Sample	KWG1309350-1	J:\MS11\DATA\090513\0905F036.D	09/05/2013	21:29	
Duplicate Lab Control Sample	KWG1309350-2	J:\MS11\DATA\090513\0905F037.D	09/05/2013	21:56	
BXS-1	K1308870-001	J:\MS11\DATA\090513\0905F042.D	09/06/2013	00:07	
BXS-2	K1308870-002	J:\MS11\DATA\090513\0905F043.D	09/06/2013	00:34	
BXS-5	K1308870-003	J:\MS11\DATA\090513\0905F044.D	09/06/2013	01:00	

Results flagged with an asterisk (*) indicate the analysis performed outside specified tune window

Client: JH Baxter & Company
Project: J.H. Baxter / Arlington

Service Request: K1308870
Calibration Date: 08/20/2013

Initial Calibration Summary
Polynuclear Aromatic Hydrocarbons

Calibration ID: CAL12722
Instrument ID: MS11

Column: MS

Level ID	File ID	Level ID	File ID
A	J:\MS11\DATA\082013\0820F022.D	G	J:\MS11\DATA\082013\0820F028.D
B	J:\MS11\DATA\082013\0820F023.D	H	J:\MS11\DATA\082013\0820F029.D
C	J:\MS11\DATA\082013\0820F024.D	I	J:\MS11\DATA\082013\0820F030.D
D	J:\MS11\DATA\082013\0820F025.D	J	J:\MS11\DATA\082013\0820F031.D
E	J:\MS11\DATA\082013\0820F026.D		
F	J:\MS11\DATA\082013\0820F027.D		

Analyte Name	Level ID	Amt	RRF	Level ID	Amt	RRF	Level ID	Amt	RRF	Level ID	Amt	RRF	Level ID	Amt	RRF
Naphthalene	A	2.0	1.08	B	4.0	1.05	C	8.0	1.06	D	20	1.02	E	100	0.955
	F	200	0.960	G	400	0.920	H	1000	0.838	I	1600	0.790	J	2000	0.753
2-Methylnaphthalene	A	2.0	0.720	B	4.0	0.715	C	8.0	0.727	D	20	0.715	E	100	0.678
	F	200	0.686	G	400	0.661	H	1000	0.606	I	1600	0.576	J	2000	0.545
Acenaphthylene	A	2.0	1.85	B	4.0	1.88	C	8.0	1.86	D	20	1.85	E	100	1.80
	F	200	1.87	G	400	1.84	H	1000	1.66	I	1600	1.56	J	2000	1.47
Acenaphthene	A	2.0	1.15	B	4.0	1.13	C	8.0	1.14	D	20	1.11	E	100	1.05
	F	200	1.07	G	400	1.04	H	1000	0.965	I	1600	0.925	J	2000	0.872
Fluorene	A	2.0	1.42	B	4.0	1.35	C	8.0	1.38	D	20	1.35	E	100	1.32
	F	200	1.33	G	400	1.29	H	1000	1.19	I	1600	1.11	J	2000	1.07
Phenanthrene	A	2.0	1.22	B	4.0	1.14	C	8.0	1.09	D	20	1.02	E	100	0.978
	F	200	0.970	G	400	0.970	H	1000	0.866	I	1600	0.816	J	2000	0.744
Anthracene	A	2.0	1.07	B	4.0	1.06	C	8.0	1.06	D	20	1.02	E	100	1.02
	F	200	1.04	G	400	1.02	H	1000	0.892	I	1600	0.849	J	2000	0.789
Fluoranthene	A	2.0	1.17	B	4.0	1.21	C	8.0	1.21	D	20	1.19	E	100	1.19
	F	200	1.21	G	400	1.17	H	1000	1.01	I	1600	0.942	J	2000	0.870
Pyrene	A	2.0	1.09	B	4.0	1.13	C	8.0	1.15	D	20	1.03	E	100	1.01
	F	200	1.02	G	400	1.02	H	1000	0.927	I	1600	0.877	J	2000	0.821
Benz(a)anthracene	A	2.0	1.23	B	4.0	1.09	C	8.0	1.08	D	20	1.01	E	100	0.964
	F	200	0.995	G	400	1.02	H	1000	0.979	I	1600	0.949	J	2000	0.919
Chrysene	A	2.0	0.982	B	4.0	1.00	C	8.0	0.997	D	20	0.993	E	100	0.956
	F	200	0.973	G	400	0.967	H	1000	0.896	I	1600	0.869	J	2000	0.809
Benzo(b)fluoranthene	A	2.0	1.07	B	4.0	1.05	C	8.0	1.09	D	20	1.07	E	100	1.09
	F	200	1.13	G	400	1.12	H	1000	1.05	I	1600	1.03	J	2000	1.01
Benzo(k)fluoranthene	A	2.0	0.942	B	4.0	1.03	C	8.0	1.05	D	20	1.02	E	100	1.03
	F	200	1.05	G	400	1.06	H	1000	0.985	I	1600	0.955	J	2000	0.885
Benzo(a)pyrene	A	2.0	0.802	B	4.0	0.835	C	8.0	0.887	D	20	0.900	E	100	0.927
	F	200	0.970	G	400	0.992	H	1000	0.956	I	1600	0.931	J	2000	0.898

Results flagged with an asterisk (*) indicate values outside control criteria.

† **SPCC Compound** ‡ **CCC Compound**

Client: JH Baxter & Company
Project: J.H. Baxter / Arlington

Service Request: K1308870
Calibration Date: 08/20/2013

Initial Calibration Summary
Polynuclear Aromatic Hydrocarbons

Calibration ID: CAL12722
Instrument ID: MS11

Column: MS

Analyte Name	Level ID	Amt	RRF	Level ID	Amt	RRF	Level ID	Amt	RRF	Level ID	Amt	RRF	Level ID	Amt	RRF
Indeno(1,2,3-cd)pyrene	A	2.0	0.894	B	4.0	0.879	C	8.0	0.904	D	20	0.888	E	100	0.888
	F	200	0.943	G	400	0.939	H	1000	0.877	I	1600	0.855	J	2000	0.828
Dibenz(a,h)anthracene	A	2.0	0.987	B	4.0	0.988	C	8.0	1.00	D	20	0.970	E	100	0.952
	F	200	0.970	G	400	0.969	H	1000	0.898	I	1600	0.870	J	2000	0.821
Benzo(g,h,i)perylene	A	2.0	1.15	B	4.0	1.11	C	8.0	1.10	D	20	1.06	E	100	1.03
	F	200	1.05	G	400	1.02	H	1000	0.922	I	1600	0.888	J	2000	0.846
Fluorene-d10	A	2.0	1.21	B	4.0	1.13	C	8.0	1.17	D	20	1.13	E	100	1.10
	F	200	1.12	G	400	1.11	H	1000	1.03	I	1600	0.987	J	2000	0.943
Fluoranthene-d10	A	2.0	1.08	B	4.0	1.04	C	8.0	1.07	D	20	1.04	E	100	1.05
	F	200	1.08	G	400	1.08	H	1000	0.978	I	1600	0.921	J	2000	0.854
Terphenyl-d14	A	2.0	0.746	B	4.0	0.700	C	8.0	0.727	D	20	0.688	E	100	0.668
	F	200	0.684	G	400	0.690	H	1000	0.645	I	1600	0.625	J	2000	0.592

Results flagged with an asterisk (*) indicate values outside control criteria.

† **SPCC Compound** ‡ **CCC Compound**

Client: JH Baxter & Company
Project: J.H. Baxter / Arlington

Service Request: K1308870
Calibration Date: 08/20/2013

Initial Calibration Summary
Polynuclear Aromatic Hydrocarbons

Calibration ID: CAL12722
Instrument ID: MS11

Column: MS

		Calibration Evaluation					RRF Evaluation		
Analyte Name	Compound Type	Fit Type	Eval.	Eval. Result	Q	Control Criteria	Average RRF	Q	Minimum RRF
Naphthalene	MS	AverageRF	% RSD	12.3		≤ 20	0.942		0.70
2-Methylnaphthalene	MS	AverageRF	% RSD	9.8		≤ 20	0.663		0.40
Acenaphthylene	MS	AverageRF	% RSD	8.4		≤ 20	1.77		0.90
Acenaphthene	MS	AverageRF	% RSD	9.2		≤ 20	1.05		0.90
Fluorene	MS	AverageRF	% RSD	9.2		≤ 20	1.28		0.90
Phenanthrene	MS	AverageRF	% RSD	14.9		≤ 20	0.981		0.70
Anthracene	MS	AverageRF	% RSD	10.2		≤ 20	0.981		0.70
Fluoranthene	MS	AverageRF	% RSD	11.3		≤ 20	1.12		0.60
Pyrene	MS	AverageRF	% RSD	10.5		≤ 20	1.01		0.60
Benz(a)anthracene	MS	AverageRF	% RSD	8.9		≤ 20	1.02		0.80
Chrysene	MS	AverageRF	% RSD	6.8		≤ 20	0.944		0.70
Benzo(b)fluoranthene	MS	AverageRF	% RSD	3.5		≤ 20	1.07		0.70
Benzo(k)fluoranthene	MS	AverageRF	% RSD	5.7		≤ 20	1.00		0.70
Benzo(a)pyrene	MS	AverageRF	% RSD	6.5		≤ 20	0.910		0.70
Indeno(1,2,3-cd)pyrene	MS	AverageRF	% RSD	3.9		≤ 20	0.889		0.50
Dibenz(a,h)anthracene	MS	AverageRF	% RSD	6.3		≤ 20	0.943		0.40
Benzo(g,h,i)perylene	MS	AverageRF	% RSD	9.8		≤ 20	1.02		0.50
Fluorene-d10	SURR	AverageRF	% RSD	7.6		≤ 20	1.09		0.01
Fluoranthene-d10	SURR	AverageRF	% RSD	7.6		≤ 20	1.02		0.01
Terphenyl-d14	SURR	AverageRF	% RSD	6.8		≤ 20	0.676		0.01

Results flagged with an asterisk (*) indicate values outside control criteria.

† **SPCC Compound** ‡ **CCC Compound**

ALS Group USA, Corp. dba ALS Environmental

QA/QC Results

Client: JH Baxter & Company
Project: J.H. Baxter / Arlington

Service Request: K1308870
Calibration Date: 08/20/2013
Date Analyzed: 08/20/2013

Second Source Calibration Verification
Polynuclear Aromatic Hydrocarbons

Calibration Type: Internal Standard
Analysis Method: 8270D SIM

Calibration ID: CAL12722
Units: ng/ml

File ID: J:\MS11\DATA\082013\0820F032.D
J:\MS11\DATA\082013\0820F033.D

Analyte Name	Expected	Result	Average RF	SSV RF	%D	%Drift	Criteria	Curve Fit
Naphthalene	400	400	0.942	0.949	1	NA	± 30 %	AverageRF
2-Methylnaphthalene	400	390	0.663	0.651	-2	NA	± 30 %	AverageRF
Acenaphthylene	400	420	1.77	1.84	4	NA	± 30 %	AverageRF
Acenaphthene	400	400	1.05	1.04	0	NA	± 30 %	AverageRF
Fluorene	400	410	1.28	1.32	3	NA	± 30 %	AverageRF
Phenanthrene	400	400	0.981	0.981	0	NA	± 30 %	AverageRF
Anthracene	400	400	0.981	0.991	1	NA	± 30 %	AverageRF
Fluoranthene	400	430	1.12	1.19	7	NA	± 30 %	AverageRF
Pyrene	400	390	1.01	0.991	-2	NA	± 30 %	AverageRF
Benz(a)anthracene	400	390	1.02	1.00	-2	NA	± 30 %	AverageRF
Chrysene	400	410	0.944	0.956	1	NA	± 30 %	AverageRF
Benzo(b)fluoranthene	400	420	1.07	1.12	4	NA	± 30 %	AverageRF
Benzo(k)fluoranthene	400	430	1.00	1.07	7	NA	± 30 %	AverageRF
Benzo(a)pyrene	400	440	0.910	1.01	11	NA	± 30 %	AverageRF
Indeno(1,2,3-cd)pyrene	400	430	0.889	0.952	7	NA	± 30 %	AverageRF
Dibenz(a,h)anthracene	400	410	0.943	0.961	2	NA	± 30 %	AverageRF
Benzo(g,h,i)perylene	400	390	1.02	1.00	-2	NA	± 30 %	AverageRF

Results flagged with an asterisk (*) indicate values outside control criteria.

† **SPCC Compound** ‡ **CCC Compound**

Client: JH Baxter & Company
Project: J.H. Baxter / Arlington

Service Request: K1308870
Date Analyzed: 09/05/2013

Continuing Calibration Verification Summary
Polynuclear Aromatic Hydrocarbons

Calibration Type: Internal Standard
Analysis Method: 8270D SIM

Calibration Date: 08/20/2013
Calibration ID: CAL12722
Analysis Lot: KWG1309596
Units: ng/ml

File ID: J:\MS11\DATA\090513\0905F030.D

Analyte Name	Expected	Result	Min RF	Average RF	CCV RF	%D	%Drift	Criteria	Curve Fit
Naphthalene	400	400	0.70	0.942	0.937	-1	NA	± 20 %	AverageRF
2-Methylnaphthalene	400	390	0.40	0.663	0.646	-2	NA	± 20 %	AverageRF
Acenaphthylene	400	440	0.90	1.77	1.92	9	NA	± 20 %	AverageRF
Acenaphthene	400	420	0.90	1.05	1.09	4	NA	± 20 %	AverageRF
Fluorene	400	420	0.90	1.28	1.35	5	NA	± 20 %	AverageRF
Phenanthrene	400	410	0.70	0.981	1.02	4	NA	± 20 %	AverageRF
Anthracene	400	420	0.70	0.981	1.04	6	NA	± 20 %	AverageRF
Fluoranthene	400	430	0.60	1.12	1.19	7	NA	± 20 %	AverageRF
Pyrene	400	450	0.60	1.01	1.14	13	NA	± 20 %	AverageRF
Benz(a)anthracene	400	420	0.80	1.02	1.08	5	NA	± 20 %	AverageRF
Chrysene	400	430	0.70	0.944	1.01	7	NA	± 20 %	AverageRF
Benzo(b)fluoranthene	400	420	0.70	1.07	1.13	5	NA	± 20 %	AverageRF
Benzo(k)fluoranthene	400	420	0.70	1.00	1.06	6	NA	± 20 %	AverageRF
Benzo(a)pyrene	400	450	0.70	0.910	1.02	12	NA	± 20 %	AverageRF
Indeno(1,2,3-cd)pyrene	400	420	0.50	0.889	0.938	6	NA	± 20 %	AverageRF
Dibenz(a,h)anthracene	400	420	0.40	0.943	0.981	4	NA	± 20 %	AverageRF
Benzo(g,h,i)perylene	400	420	0.50	1.02	1.06	4	NA	± 20 %	AverageRF
Fluorene-d10	400	420	0.01	1.09	1.14	4	NA	± 20 %	AverageRF
Fluoranthene-d10	400	440	0.01	1.02	1.11	9	NA	± 20 %	AverageRF
Terphenyl-d14	400	450	0.01	0.676	0.763	13	NA	± 20 %	AverageRF

Results flagged with an asterisk (*) indicate values outside control criteria.

† **SPCC Compound** ‡ **CCC Compound**

ALS Group USA, Corp. dba ALS Environmental

QA/QC Results

Client: JH Baxter & Company
Project: J.H. Baxter / Arlington

Service Request: K1308870

Analysis Run Log
Polynuclear Aromatic Hydrocarbons

Analysis Method: 8270D SIM

Analysis Lot: KWG1309596
Instrument ID: MS11

File ID	Sample Name	Lab Code	Date Analysis Started	Start Time	Q	Date Analysis Finished	Finish Time
0905F029.D	GC/MS Tuning - Decafluorotriphenylp	KWG1309596-1	9/5/2013	18:51		9/5/2013	19:11
0905F030.D	Continuing Calibration Verification	KWG1309596-2	9/5/2013	19:17		9/5/2013	19:37
0905F032.D	Method Blank	KWG1309350-3	9/5/2013	19:44		9/5/2013	20:03
0905F033.D	ZZZZZZ	ZZZZZZ	9/5/2013	20:10		9/5/2013	20:30
0905F034.D	ZZZZZZ	ZZZZZZ	9/5/2013	20:37		9/5/2013	20:57
0905F035.D	ZZZZZZ	ZZZZZZ	9/5/2013	21:03		9/5/2013	21:23
0905F036.D	Lab Control Sample	KWG1309350-1	9/5/2013	21:29		9/5/2013	21:49
0905F037.D	Duplicate Lab Control Sample	KWG1309350-2	9/5/2013	21:56		9/5/2013	22:16
0905F038.D	ZZZZZZ	ZZZZZZ	9/5/2013	22:22		9/5/2013	22:42
0905F039.D	ZZZZZZ	ZZZZZZ	9/5/2013	22:49		9/5/2013	23:09
0905F040.D	ZZZZZZ	ZZZZZZ	9/5/2013	23:15		9/5/2013	23:35
0905F041.D	ZZZZZZ	ZZZZZZ	9/5/2013	23:41		9/6/2013	00:01
0905F042.D	BXS-1	K1308870-001	9/6/2013	00:07		9/6/2013	00:27
0905F043.D	BXS-2	K1308870-002	9/6/2013	00:34		9/6/2013	00:54
0905F044.D	BXS-5	K1308870-003	9/6/2013	01:00		9/6/2013	01:20
0905F045.D	ZZZZZZ	ZZZZZZ	9/6/2013	01:26		9/6/2013	01:46
0905F046.D	ZZZZZZ	ZZZZZZ	9/6/2013	01:52		9/6/2013	02:12
0905F047.D	ZZZZZZ	ZZZZZZ	9/6/2013	02:19		9/6/2013	02:39
0905F048.D	ZZZZZZ	ZZZZZZ	9/6/2013	02:45		9/6/2013	03:05
0905F049.D	ZZZZZZ	ZZZZZZ	9/6/2013	03:11		9/6/2013	03:31
0905F050.D	ZZZZZZ	ZZZZZZ	9/6/2013	03:38		9/6/2013	03:58
0905F055.D	ZZZZZZ	ZZZZZZ	9/6/2013	04:48		9/6/2013	05:08
0905F056.D	ZZZZZZ	ZZZZZZ	9/6/2013	05:15		9/6/2013	05:35
0905F057.D	ZZZZZZ	ZZZZZZ	9/6/2013	05:41		9/6/2013	06:01
0905F058.D	ZZZZZZ	ZZZZZZ	9/6/2013	06:07		9/6/2013	06:27

Results flagged with an asterisk (*) indicate the holding time was exceeded for the analysis

Client: JH Baxter & Company
Project: J.H. Baxter / Arlington
Sample Matrix: Water

Service Request: K1308870
Date Extracted: 09/03/2013

Extraction Prep Log
Polynuclear Aromatic Hydrocarbons

Extraction Method: EPA 3520C
Analysis Method: 8270D SIM

Extraction Lot: KWG1309350
Level: Low

Sample Name	Lab Code	Date Collected	Date Received	Sample Amount	Final Volume	% Solids	Note
BXS-1	K1308870-001	08/27/13	08/29/13	1050ml	5ml	NA	
BXS-2	K1308870-002	08/27/13	08/29/13	1000ml	5ml	NA	
BXS-5	K1308870-003	08/27/13	08/29/13	1050ml	5ml	NA	
Method Blank	KWG1309350-3	NA	NA	1060ml	5ml	NA	
Lab Control Sample	KWG1309350-1	NA	NA	1000ml	5ml	NA	
Duplicate Lab Control Sample	KWG1309350-2	NA	NA	1000ml	5ml	NA	

Results flagged with an asterisk (*) indicate the holding time was exceeded for the analysis

September 16, 2013

Analytical Report for Service Request No: K1308873

Scott Thielke
JH Baxter & Company
85 N. Baxter Road
P.O. Box 10797
Eugene, OR 97440

RE: J.H. Baxter / Arlington

Dear Scott:

Enclosed are the results of the sample submitted to our laboratory on August 29, 2013. For your reference, these analyses have been assigned our service request number K1308873.

Analyses were performed according to our laboratory's NELAP-approved quality assurance program. The test results meet requirements of the current NELAP standards, where applicable, and except as noted in the laboratory case narrative provided. For a specific list of NELAP-accredited analytes, refer to the certifications section at www.alsglobal.com. All results are intended to be considered in their entirety, and ALS Group USA Corp. dba ALS Environmental (ALS) is not responsible for use of less than the complete report. Results apply only to the items submitted to the laboratory for analysis and individual items (samples) analyzed, as listed in the report.

Please call if you have any questions. My extension is 3275. You may also contact me via Email at Chris.Leaf@alsglobal.com.

Respectfully submitted,

ALS Group USA Corp. dba ALS Environmental

Chris Leaf
Project Manager

CL/mj

ADDRESS 1317 S. 13th Avenue, Kelso, WA 98626 USA | PHONE +1 360 577 7222 | FAX +1 360 636 1068
Columbia Analytical Services, Inc. Part of the ALS Group An ALS Limited Company

Environmental
www.alsglobal.com
RIGHT SOLUTIONS RIGHT PARTNER

Acronyms

ASTM	American Society for Testing and Materials
A2LA	American Association for Laboratory Accreditation
CARB	California Air Resources Board
CAS Number	Chemical Abstract Service registry Number
CFC	Chlorofluorocarbon
CFU	Colony-Forming Unit
DEC	Department of Environmental Conservation
DEQ	Department of Environmental Quality
DHS	Department of Health Services
DOE	Department of Ecology
DOH	Department of Health
EPA	U. S. Environmental Protection Agency
ELAP	Environmental Laboratory Accreditation Program
GC	Gas Chromatography
GC/MS	Gas Chromatography/Mass Spectrometry
LOD	Limit of Detection
LOQ	Limit of Quantitation
LUFT	Leaking Underground Fuel Tank
M	Modified
MCL	Maximum Contaminant Level is the highest permissible concentration of a substance allowed in drinking water as established by the USEPA.
MDL	Method Detection Limit
MPN	Most Probable Number
MRL	Method Reporting Limit
NA	Not Applicable
NC	Not Calculated
NCASI	National Council of the Paper Industry for Air and Stream Improvement
ND	Not Detected
NIOSH	National Institute for Occupational Safety and Health
PQL	Practical Quantitation Limit
RCRA	Resource Conservation and Recovery Act
SIM	Selected Ion Monitoring
TPH	Total Petroleum Hydrocarbons
tr	Trace level is the concentration of an analyte that is less than the PQL but greater than or equal to the MDL.

Inorganic Data Qualifiers

*	The result is an outlier. See case narrative.
#	The control limit criteria is not applicable. See case narrative.
B	The analyte was found in the associated method blank at a level that is significant relative to the sample result as defined by the DOD or NELAC standards.
E	The result is an estimate amount because the value exceeded the instrument calibration range.
J	The result is an estimated value.
U	The analyte was analyzed for, but was not detected ("Non-detect") at or above the MRL/MDL. *DOD-QSM 4.2 definition* : Analyte was not detected and is reported as less than the LOD or as defined by the project. The detection limit is adjusted for dilution.
i	The MRL/MDL or LOQ/LOD is elevated due to a matrix interference.
X	See case narrative.
Q	See case narrative. One or more quality control criteria was outside the limits.
H	The holding time for this test is immediately following sample collection. The samples were analyzed as soon as possible after receipt by the laboratory.

Metals Data Qualifiers

#	The control limit criteria is not applicable. See case narrative.
J	The result is an estimated value.
E	The percent difference for the serial dilution was greater than 10%, indicating a possible matrix interference in the sample.
M	The duplicate injection precision was not met.
N	The Matrix Spike sample recovery is not within control limits. See case narrative.
S	The reported value was determined by the Method of Standard Additions (MSA).
U	The analyte was analyzed for, but was not detected ("Non-detect") at or above the MRL/MDL. *DOD-QSM 4.2 definition* : Analyte was not detected and is reported as less than the LOD or as defined by the project. The detection limit is adjusted for dilution.
W	The post-digestion spike for furnace AA analysis is out of control limits, while sample absorbance is less than 50% of spike absorbance.
i	The MRL/MDL or LOQ/LOD is elevated due to a matrix interference.
X	See case narrative.
+	The correlation coefficient for the MSA is less than 0.995.
Q	See case narrative. One or more quality control criteria was outside the limits.

Organic Data Qualifiers

	The result is an outlier. See case narrative.
#	The control limit criteria is not applicable. See case narrative.
A	A tentatively identified compound, a suspected aldol-condensation product.
B	The analyte was found in the associated method blank at a level that is significant relative to the sample result as defined by the DOD or NELAC standards.
C	The analyte was qualitatively confirmed using GC/MS techniques, pattern recognition, or by comparing to historical data.
D	The reported result is from a dilution.
E	The result is an estimated value.
J	The result is an estimated value.
N	The result is presumptive. The analyte was tentatively identified, but a confirmation analysis was not performed.
P	The GC or HPLC confirmation criteria was exceeded. The relative percent difference is greater than 40% between the two analytical results.
U	The analyte was analyzed for, but was not detected ("Non-detect") at or above the MRL/MDL. *DOD-QSM 4.2 definition* : Analyte was not detected and is reported as less than the LOD or as defined by the project. The detection limit is adjusted for dilution.
i	The MRL/MDL or LOQ/LOD is elevated due to a chromatographic interference.
X	See case narrative.
Q	See case narrative. One or more quality control criteria was outside the limits.

Additional Petroleum Hydrocarbon Specific Qualifiers

F	The chromatographic fingerprint of the sample matches the elution pattern of the calibration standard.
L	The chromatographic fingerprint of the sample resembles a petroleum product, but the elution pattern indicates the presence of a greater amount of lighter molecular weight constituents than the calibration standard.
H	The chromatographic fingerprint of the sample resembles a petroleum product, but the elution pattern indicates the presence of a greater amount of heavier molecular weight constituents than the calibration standard.
O	The chromatographic fingerprint of the sample resembles an oil, but does not match the calibration standard.
	The chromatographic fingerprint of the sample resembles a petroleum product eluting in approximately the correct carbon range, but the elution pattern does not match the calibration standard.
Z	The chromatographic fingerprint does not resemble a petroleum product.

ALS Group USA Corp. dba ALS Environmental (ALS) - Kelso
State Certifications, Accreditations, and Licenses

Agency	Web Site	Number
Alaska DEC UST	http://dec.alaska.gov/applications/eh/ehllabreports/USTLabs.aspx	UST-040
Arizona DHS	http://www.azdhs.gov/lab/license/env.htm	AZ0339
Arkansas - DEQ	http://www.adeq.state.ar.us/techsvs/labcert.htm	88-0637
California DHS (ELAP)	http://www.cdph.ca.gov/certlic/labs/Pages/ELAP.aspx	2286
DOD ELAP	http://www.denix.osd.mil/edqw/Accreditation/AccreditedLabs.cfm	L12-28
Florida DOH	http://www.doh.state.fl.us/lab/EnvLabCert/WaterCert.htm	E87412
Georgia DNR	http://www.gaepd.org/Documents/techguide_pcb.html#cel	881
Hawaii DOH	Not available	-
Idaho DHW	http://www.healthandwelfare.idaho.gov/Health/Labs/CertificationDrinkingWaterLabs/tabid/1833/Default.aspx	-
Indiana DOH	http://www.in.gov/isdh/24859.htm	C-WA-01
ISO 17025	http://www.pjlabs.com/	L12-27
Louisiana DEQ	http://www.deq.louisiana.gov/portal/DIVISIONS/PublicParticipationandPermitSupport/LouisianaLaboratoryAccreditationProgram.aspx	3016
Maine DHS	Not available	WA0035
Michigan DEQ	http://www.michigan.gov/deq/0,1607,7-135-3307_4131_4156---,00.html	9949
Minnesota DOH	http://www.health.state.mn.us/accreditation	053-999-368
Montana DPHHS	http://www.dphhs.mt.gov/publichealth/	CERT0047
Nevada DEP	http://ndep.nv.gov/bsdw/labservice.htm	WA35
New Jersey DEP	http://www.nj.gov/dep/oqa/	WA005
North Carolina DWQ	http://www.dwqlab.org/	605
Oklahoma DEQ	http://www.deq.state.ok.us/CSDnew/labcert.htm	9801
Oregon – DEQ (NELAP)	http://public.health.oregon.gov/LaboratoryServices/EnvironmentalLaboratoryAccreditation/Pages/index.aspx	WA200001
South Carolina DHEC	http://www.scdhec.gov/environment/envserv/	61002
Texas CEQ	http://www.tceq.texas.gov/field/qa/env_lab_accreditation.html	4704427-08-TX
Washington DOE	http://www.ecy.wa.gov/programs/eap/labs/lab-accreditation.html	C1203
Wisconsin DNR	http://dnr.wi.gov/	998386840
Wyoming (EPA Region 8)	http://www.epa.gov/region8/water/dwhome/wyomingdi.html	-
Kelso Laboratory Website	www.alsglobal.com	NA

Analyses were performed according to our laboratory's NELAP-approved quality assurance program. A complete listing of specific NELAP-certified analytes, can be found in the certification section at www.caslab.com or at the accreditation bodies web site

Please refer to the certification and/or accreditation body's web site if samples are submitted for compliance purposes. The states highlighted above, require the analysis be listed on the state certification if used for compliance purposes and if the method/anlayte is offered by that state.

Case Narrative

ALS ENVIRONMENTAL

Client:	JH Baxter & Company	**Service Request No.:**	K1308873
Project:	J.H. Baxter / Arlington	**Date Received:**	08/29/13
Sample Matrix:	Water		

Case Narrative

All analyses were performed consistent with the quality assurance program of ALS Environmental. This report contains analytical results for samples designated for Tier IV validation deliverables including summary forms and all of the associated raw data for each of the analyses. When appropriate to the method, method blank results have been reported with each analytical test.

Sample Receipt

One water sample was received for analysis at ALS Environmental on 08/29/13. The sample was received in good condition and consistent with the accompanying chain of custody form. The sample was stored in a refrigerator at 4°C upon receipt at the laboratory.

Pentachlorophenol by EPA Method 8151

Matrix Spike Recovery Exceptions:
The control criteria for matrix spike recovery of Pentachlorophenol for the associated Matrix Spikes were not applicable. The analyte concentration in the sample was significantly higher than the added spike concentration, preventing accurate evaluation of the spike recovery.

Elevated Detection Limits:
This field sample and its associated Matrix Spikes required dilution due to the presence of elevated levels of target analyte. The reporting limits were adjusted to reflect the dilution.

No other anomalies associated with the analysis of these samples were observed.

Approved by_____

Chain of Custody

Columbia Analytical Services

29637 CHAIN OF CUSTODY

SR# H308873

COC Set ___ of ___

Page 1 OF 1 COC# ___

1317 South 13th Ave, Kelso, WA 98626 | 360.577.7222 | 800.695.7222 | 360.636.1068 (fax)

Project Name: J.H. BAXTER-Arlington
Project Number:
Project Manager:
Company Name: J.H. BAXTER
Company Address: 85 N. BAXTER RD
City/State/Zip: Eugene, OR 97402
E-Mail Address:
Phone #: FAX #:
Sampler Signature:

Sample ID	Date	Time	Lab ID	Matrix	Number of Containers	8151A Modified / 7D	8270D / PAH SIM				Remarks
1 EW 1-4 comp.	8/26	1445		H_2O	2	X					PCP & Breakdown Products
2											
3											
4											
5											
6											
7											
8											
9											
10											
11											

Report Requirements

- ___ I Routine Report: Method Blank, Surrogate, as required
- ___ II Report Dup, MS, MSD as required
- ___ III Data Validation Report (includes all raw data)
- X IV CLP Deliverable Report
- ___ V EDD

Invoice Information

P.O.#
Bill To: JH BAXTER

Turnaround Requirements

- ___ 24 hr ___ 48 hr
- ___ 5 Day
- X Standard (10-15 working days)
- ___ Provide Fax Results

Requested Report Date

Circle which metals are to be analyzed

Total Metals: Al As Sb Ba Be B Ca Cd Co Cr Cu Fe Pb Mg Mn Mo Ni K Ag Na Se Sr Tl Sn V Zn Hg

Dissolved Metals: Al As Sb Ba Be B Ca Cd Co Cr Cu Fe Pb Mg Mn Mo Ni K Ag Na Se Sr Tl Sn V Zn Hg

Special Instructions/Comments: Questions Please Call: STEVE BARNETT 503-639-3400

*Indicate State Hydrocarbon Procedure: AK CA WI Northwest Other___ (Circle One)

☐ Sample Shipment contains USDA regulated soil samples (check box if applicable)

Relinquished By:		Received By:		Relinquished By:		Received By:	
Signature: [signature]	Date/Time: 8-28-13 1115	Signature: [signature]	Date/Time: 8/29/13 9:00	Signature:	Date/Time:	Signature:	Date/Time:
Printed Name: SCOTT THELEN	Firm: JH BAXTER	Printed Name: [signature]	Firm: VAL	Printed Name:	Firm:	Printed Name:	Firm:

ALS

PC a

Cooler Receipt and Preservation Form

Client / Project: JH Baxter Service Request K13 8873

Received: 8/29/13 Opened: 8/29/13 By: KT Unloaded: 8/29/13 By: KT

1. Samples were received via? *Mail* *Fed Ex* *UPS* *DHL* *PDX* *Courier* *Hand Delivered*
2. Samples were received in: (circle) *Cooler* *Box* *Envelope* *Other* _____ *NA*
3. Were custody seals on coolers? NA Y N If yes, how many and where? Front
   If present, were custody seals intact? Y N If present, were they signed and dated? Y N

Raw Cooler Temp	Corrected Cooler Temp	Raw Temp Blank	Corrected Temp Blank	Corr. Factor	Thermometer ID	Cooler/COC ID NA	Tracking Number NA	Filed
0.9	1.0	0.9	1.0	+0.1	304		8684 5811 8926	
0.5	0.6	0.2	0.3	+0.1	340		" " 8948	
1.1	1.2	1.2	1.3	+0.1	334		" " 8915	
1.2	1.2	0.9	0.9	Ø	341		" " 8937	

4. Packing material: *Inserts* *Baggies* *Bubble Wrap* *Gel Packs* *Wet Ice* *Dry Ice* *Sleeves* _____
5. Were custody papers properly filled out (ink, signed, etc.)? NA Y N
6. Did all bottles arrive in good condition (unbroken)? *Indicate in the table below.* NA Y N
7. Were all sample labels complete (i.e analysis, preservation, etc.)? NA Y N
8. Did all sample labels and tags agree with custody papers? *Indicate major discrepancies in the table on page 2.* NA Y N
9. Were appropriate bottles/containers and volumes received for the tests indicated? NA Y N
10. Were the pH-preserved bottles (*see SMO GEN SOP*) received at the appropriate pH? *Indicate in the table below* NA Y N
11. Were VOA vials received without headspace? *Indicate in the table below.* NA Y N
12. Was Cl2/Res negative? NA Y N

Sample ID on Bottle	Sample ID on COC	Identified by:

Sample ID	Bottle Count Bottle Type	Out of Temp	Head-space	Broke	pH	Reagent	Volume added	Reagent Lot Number	Initials	Time

Notes, Discrepancies, & Resolutions: _____

Page ____ *of* ____

Pentachlorophenol

Organic Analysis:
Chlorinated Phenols

Summary Package

Sample and QC Results

Client: JH Baxter & Company
Project: J.H. Baxter / Arlington

Service Request: K1308873

Cover Page - Organic Analysis Data Package
Chlorinated Phenols

Sample Name	Lab Code	Date Collected	Date Received
EW 1-4 Comp	K1308873-001	08/26/2013	08/29/2013
EW 1-4 CompMS	KWG1309481-1	08/26/2013	08/29/2013
EW 1-4 CompDMS	KWG1309481-2	08/26/2013	08/29/2013

I certify that this data package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the conditions detailed in the case narrative. Release of the data contained in this hardcopy data package and in the computer-readable data has been authorized by the Laboratory Manager or the Manager's designee, as verified by the following signature.

Signature: _____ Name: _____

Date: 9/16/13 Title: _____

ALS Group USA, Corp. dba ALS Environmental

Analytical Results

Client:	JH Baxter & Company	**Service Request:**	K1308873
Project:	J.H. Baxter / Arlington	**Date Collected:**	08/26/2013
Sample Matrix:	Water	**Date Received:**	08/29/2013

Chlorinated Phenols

Sample Name:	EW 1-4 Comp	**Units:**	ug/L
Lab Code:	K1308873-001	**Basis:**	NA
Extraction Method:	Method	**Level:**	Low
Analysis Method:	8151M		

Analyte Name	Result	Q	MRL	MDL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Note
2,4,6-Trichlorophenol	ND	U	0.50	0.14	1	08/30/13	09/05/13	KWG1309481	
2,4,5-Trichlorophenol	ND	U	1.0	0.19	1	08/30/13	09/05/13	KWG1309481	
Tetrachlorophenols, Total	**18**		1.0	0.25	1	08/30/13	09/05/13	KWG1309481	
Pentachlorophenol	**530**	D	25	8.0	50	08/30/13	09/09/13	KWG1309481	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
4-Bromo-2,6-dichlorophenol	74	33-114	09/05/13	Acceptable

Comments:

ALS Group USA, Corp. dba ALS Environmental

Analytical Results

Client:	JH Baxter & Company	**Service Request:**	K1308873
Project:	J.H. Baxter / Arlington	**Date Collected:**	NA
Sample Matrix:	Water	**Date Received:**	NA

Chlorinated Phenols

Sample Name:	Method Blank	**Units:**	ug/L
Lab Code:	KWG1309481-4	**Basis:**	NA
Extraction Method:	Method	**Level:**	Low
Analysis Method:	8151M		

Analyte Name	Result	Q	MRL	MDL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Note
2,4,6-Trichlorophenol	ND	U	0.50	0.14	1	08/30/13	09/05/13	KWG1309481	
2,4,5-Trichlorophenol	ND	U	1.0	0.19	1	08/30/13	09/05/13	KWG1309481	
Tetrachlorophenols, Total	ND	U	1.0	0.25	1	08/30/13	09/05/13	KWG1309481	
Pentachlorophenol	ND	U	0.50	0.16	1	08/30/13	09/05/13	KWG1309481	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
4-Bromo-2,6-dichlorophenol	58	33-114	09/05/13	Acceptable

Comments:

Client: JH Baxter & Company
Project: J.H. Baxter / Arlington
Sample Matrix: Water

Service Request: K1308873

Surrogate Recovery Summary
Chlorinated Phenols

Extraction Method: Method
Analysis Method: 8151M

Units: Percent
Level: Low

Sample Name	Lab Code	Sur1
EW 1-4 Comp	K1308873-001	74
Method Blank	KWG1309481-4	58
EW 1-4 CompMS	KWG1309481-1	68
EW 1-4 CompDMS	KWG1309481-2	65
Lab Control Sample	KWG1309481-3	63

Surrogate Recovery Control Limits (%)

Sur1 = 4-Bromo-2,6-dichlorophenol 33-114

Results flagged with an asterisk (*) indicate values outside control criteria.
Results flagged with a pound (#) indicate the control criteria is not applicable.

ALS Group USA, Corp. dba ALS Environmental

QA/QC Report

Client:	JH Baxter & Company	**Service Request:**	K1308873
Project:	J.H. Baxter / Arlington	**Date Extracted:**	08/30/2013
Sample Matrix:	Water	**Date Analyzed:**	09/05/2013 - 09/09/2013

Matrix Spike/Duplicate Matrix Spike Summary
Chlorinated Phenols

Sample Name:	EW 1-4 Comp	**Units:**	ug/L
Lab Code:	K1308873-001	**Basis:**	NA
Extraction Method:	Method	**Level:**	Low
Analysis Method:	8151M	**Extraction Lot:**	KWG1309481

		EW 1-4 CompMS KWG1309481-1 Matrix Spike			EW 1-4 CompDMS KWG1309481-2 Duplicate Matrix Spike					
Analyte Name	**Sample Result**	**Result**	**Spike Amount**	**%Rec**	**Result**	**Spike Amount**	**%Rec**	**%Rec Limits**	**RPD**	**RPD Limit**
2,4,6-Trichlorophenol	ND	6.21	10.0	62	6.25	10.0	63	26-100	1	30
2,4,5-Trichlorophenol	ND	5.64	10.0	56	5.13	10.0	51	10-103	10	30
Tetrachlorophenols, Total	18	30.6	20.0	61 *	28.7	20.0	52 *	70-130	6	30
Pentachlorophenol	530	535	10.0	18 #	492	10.0	-414 #	40-106	8	30

Results flagged with an asterisk (*) indicate values outside control criteria.

Results flagged with a pound (#) indicate the control criteria is not applicable.

Percent recoveries and relative percent differences (RPD) are determined by the software using values in the calculation which have not been rounded.

ALS Group USA, Corp. dba ALS Environmental

QA/QC Report

Client:	JH Baxter & Company	**Service Request:**	K1308873
Project:	J.H. Baxter / Arlington	**Date Extracted:**	08/30/2013
Sample Matrix:	Water	**Date Analyzed:**	09/05/2013

Lab Control Spike Summary
Chlorinated Phenols

Extraction Method:	Method	**Units:**	ug/L
Analysis Method:	8151M	**Basis:**	NA
		Level:	Low
		Extraction Lot:	KWG1309481

	Lab Control Sample KWG1309481-3 Lab Control Spike			
Analyte Name	**Result**	**Spike Amount**	**%Rec**	**%Rec Limits**
2,4,6-Trichlorophenol	4.78	10.0	48	30-86
2,4,5-Trichlorophenol	4.27	10.0	43	19-94
Tetrachlorophenols, Total	11.1	20.0	55 *	70-130
Pentachlorophenol	6.22	10.0	62	44-106

Results flagged with an asterisk (*) indicate values outside control criteria.

Percent recoveries and relative percent differences (RPD) are determined by the software using values in the calculation which have not been rounded.

ALS Group USA, Corp. dba ALS Environmental

QA/QC Report

Client:	JH Baxter & Company	**Service Request:**	K1308873
Project:	J.H. Baxter / Arlington	**Date Extracted:**	08/30/2013
Sample Matrix:	Water	**Date Analyzed:**	09/05/2013
		Time Analyzed:	13:02

Method Blank Summary
Chlorinated Phenols

Sample Name:	Method Blank	**Instrument ID:**	GC27
Lab Code:	KWG1309481-4	**File ID:**	J:\GC27\DATA\090513\0905F014.D
Extraction Method:	Method	**Level:**	Low
Analysis Method:	8151M	**Extraction Lot:**	KWG1309481

This Method Blank applies to the following analyses:

Sample Name	Lab Code	File ID	Date Analyzed	Time Analyzed
EW 1-4 Comp	K1308873-001	J:\GC27\DATA\090413B\0904FB12.D	09/05/13	04:18
EW 1-4 CompMS	KWG1309481-1	J:\GC27\DATA\090413B\0904FB13.D	09/05/13	04:32
EW 1-4 CompDMS	KWG1309481-2	J:\GC27\DATA\090413B\0904FB14.D	09/05/13	04:47
Lab Control Sample	KWG1309481-3	J:\GC27\DATA\090513\0905F013.D	09/05/13	12:47
EW 1-4 Comp	K1308873-001	J:\GC27\DATA\090913\0909F008.D	09/09/13	19:04
EW 1-4 CompMS	KWG1309481-1	J:\GC27\DATA\090913\0909F009.D	09/09/13	19:19
EW 1-4 CompDMS	KWG1309481-2	J:\GC27\DATA\090913\0909F010.D	09/09/13	19:34

ALS Group USA, Corp. dba ALS Environmental

QA/QC Report

Client:	JH Baxter & Company	**Service Request:**	K1308873
Project:	J.H. Baxter / Arlington	**Date Extracted:**	08/30/2013
Sample Matrix:	Water	**Date Analyzed:**	09/05/2013
		Time Analyzed:	12:47

Lab Control Sample Summary
Chlorinated Phenols

Sample Name:	Lab Control Sample	**Instrument ID:**	GC27
Lab Code:	KWG1309481-3	**File ID:**	J:\GC27\DATA\090513\0905F013.D
Extraction Method:	Method	**Level:**	Low
Analysis Method:	8151M	**Extraction Lot:**	KWG1309481

This Lab Control Sample applies to the following analyses:

Sample Name	Lab Code	File ID	Date Analyzed	Time Analyzed
EW 1-4 Comp	K1308873-001	J:\GC27\DATA\090413B\0904FB12.D	09/05/13	04:18
EW 1-4 CompMS	KWG1309481-1	J:\GC27\DATA\090413B\0904FB13.D	09/05/13	04:32
EW 1-4 CompDMS	KWG1309481-2	J:\GC27\DATA\090413B\0904FB14.D	09/05/13	04:47
Method Blank	KWG1309481-4	J:\GC27\DATA\090513\0905F014.D	09/05/13	13:02
EW 1-4 Comp	K1308873-001	J:\GC27\DATA\090913\0909F008.D	09/09/13	19:04
EW 1-4 CompMS	KWG1309481-1	J:\GC27\DATA\090913\0909F009.D	09/09/13	19:19
EW 1-4 CompDMS	KWG1309481-2	J:\GC27\DATA\090913\0909F010.D	09/09/13	19:34

Client: JH Baxter & Company
Project: J.H. Baxter / Arlington

Service Request: K1308873
Calibration Date: 08/29/2013

Initial Calibration Summary
Chlorinated Phenols

Calibration ID: CAL12742
Instrument ID: GC27

Column: Rtx-5

Level ID	File ID	Level ID	File ID
A	J:\GC27\DATA\082913P\0829F006.D	G	J:\GC27\DATA\082913P\0829F012.D
B	J:\GC27\DATA\082913P\0829F007.D	H	J:\GC27\DATA\082913P\0829F013.D
C	J:\GC27\DATA\082913P\0829F008.D	I	J:\GC27\DATA\082913P\0829F014.D
D	J:\GC27\DATA\082913P\0829F009.D	J	J:\GC27\DATA\082913P\0829F015.D
E	J:\GC27\DATA\082913P\0829F010.D		
F	J:\GC27\DATA\082913P\0829F011.D		

Analyte Name	Level ID	Amt	RF	Level ID	Amt	RF	Level ID	Amt	RF	Level ID	Amt	RF	Level ID	Amt	RF
4-Bromo-2,6-dichlorophenol	A	1.0	2.04E+6	B	2.5	1.99E+6	C	5.0	2.00E+6	D	10	2.05E+6	E	25	1.79E+6
	F	50	1.71E+6	G	75	1.78E+6	H	100	1.80E+6	I	130	1.79E+6	J	150	1.77E+6
2,4,6-Trichlorophenol	A	0.93	1.76E+6	B	2.3	1.72E+6	C	4.7	1.62E+6	D	9.3	1.64E+6	E	23	1.45E+6
	F	47	1.33E+6	G	70	1.36E+6	H	93	1.36E+6	I	120	1.34E+6	J	140	1.31E+6
2,4,5-Trichlorophenol	A	0.93	8.36E+5	B	2.3	7.93E+5	C	4.7	7.65E+5	D	9.3	7.68E+5	E	23	6.71E+5
	F	47	6.05E+5	G	70	6.21E+5	H	93	6.27E+5	I	120	5.83E+5	J	140	5.79E+5
2,3,4,5-Tetrachlorophenol	A	0.94	1.79E+6	B	2.4	1.76E+6	C	4.7	1.70E+6	D	9.4	1.73E+6	E	24	1.52E+6
	F	47	1.38E+6	G	71	1.40E+6	H	94	1.38E+6	I	120	1.38E+6	J	140	1.42E+6
2,3,5,6-Tetrachlorophenol	A	0.94	2.42E+6	B	2.4	2.33E+6	C	4.7	2.25E+6	D	9.4	2.32E+6	E	24	2.05E+6
	F	47	1.93E+6	G	71	1.98E+6	H	94	1.99E+6	I	120	1.97E+6	J	140	1.95E+
Pentachlorophenol	A	0.95	2.95E+6	B	2.4	2.71E+6	C	4.8	2.68E+6	D	9.5	2.71E+6	E	24	2.40E+6
	F	48	2.22E+6	G	71	2.26E+6	H	95	2.25E+6	I	120	2.22E+6	J	140	2.21E+6

Results flagged with an asterisk (*) indicate values outside control criteria.

Client: JH Baxter & Company
Project: J.H. Baxter / Arlington

Service Request: K1308873
Calibration Date: 08/29/2013

Initial Calibration Summary
Chlorinated Phenols

Calibration ID: CAL12742
Instrument ID: GC27

Column: Rtx-5

Analyte Name	Compound Type	Calibration Evaluation					
		Fit Type	Eval.	Eval. Result	Q	Control Criteria	
4-Bromo-2,6-dichlorophenol	SURR	AverageRF	% RSD	6.9		≤ 20	
2,4,6-Trichlorophenol	MS	AverageRF	% RSD	11.9		≤ 20	
2,4,5-Trichlorophenol	MS	AverageRF	% RSD	14.0		≤ 20	
2,3,4,5-Tetrachlorophenol	MS	AverageRF	% RSD	11.5		≤ 20	
2,3,5,6-Tetrachlorophenol	MS	AverageRF	% RSD	8.8		≤ 20	
Pentachlorophenol	MS	AverageRF	% RSD	11.2		≤ 20	

Results flagged with an asterisk (*) indicate values outside control criteria.

ALS Group USA, Corp. dba ALS Environmental

QA/QC Results

Client: JH Baxter & Company
Project: J.H. Baxter / Arlington

Service Request: K1308873
Calibration Date: 08/29/2013
Date Analyzed: 08/29/2013

Second Source Calibration Verification
Chlorinated Phenols

Calibration Type: External Standard
Analysis Method: 8151M

Calibration ID: CAL12742
Units: ug/L

File ID: J:\GC27\DATA\082913P\0829F016.D

Column ID: Rtx-5

Analyte Name	Expected	Result	Average RF	SSV RF	%D	%Drift	Criteria	Curve Fit
2,4,6-Trichlorophenol	23	23	1490000	1460000	-2	NA	± 20 %	AverageRF
2,4,5-Trichlorophenol	23	26	685000	768000	12	NA	± 20 %	AverageRF
2,3,4,5-Tetrachlorophenol	24	24	1550000	1570000	2	NA	± 20 %	AverageRF
2,3,5,6-Tetrachlorophenol	24	24	2120000	2160000	2	NA	± 20 %	AverageRF
Pentachlorophenol	24	25	2460000	2620000	6	NA	± 20 %	AverageRF

Results flagged with an asterisk (*) indicate values outside control criteria.

† SPCC Compound

‡ CCC Compound

Client: JH Baxter & Company
Project: J.H. Baxter / Arlington

Service Request: K1308873
Calibration Date: 08/29/2013

Initial Calibration Summary
Chlorinated Phenols

Calibration ID: CAL12742
Instrument ID: GC27

Column: Rtx-Dioxin 2

Level ID	File ID
A	J:\GC27\DATA\082913P\0829F006.D\0829F006c.d
B	J:\GC27\DATA\082913P\0829F007.D\0829F007c.d
C	J:\GC27\DATA\082913P\0829F008.D\0829F008c.d
D	J:\GC27\DATA\082913P\0829F009.D\0829F009c.d
E	J:\GC27\DATA\082913P\0829F010.D\0829F010c.d
F	J:\GC27\DATA\082913P\0829F011.D\0829F011c.d
G	J:\GC27\DATA\082913P\0829F012.D\0829F012c.d
H	J:\GC27\DATA\082913P\0829F013.D\0829F013c.d
I	J:\GC27\DATA\082913P\0829F014.D\0829F014c.d
J	J:\GC27\DATA\082913P\0829F015.D\0829F015c.d

Analyte Name	Level ID	Amt	RF	Level ID	Amt	RF	Level ID	Amt	RF	Level ID	Amt	RF	Level ID	Amt	RF
4-Bromo-2,6-dichlorophenol	A	1.0	8.32E+5	B	2.5	8.50E+5	C	5.0	8.69E+5	D	10	9.09E+5	E	25	8.15E+5
	F	50	7.73E+5	G	75	7.78E+5	H	100	7.88E+5	I	130	7.72E+5	J	150	7.60E+5
2,4,6-Trichlorophenol	A	0.93	8.00E+5	B	2.3	7.32E+5	C	4.7	7.39E+5	D	9.3	7.79E+5	E	23	6.87E+5
	F	47	6.41E+5	G	70	6.50E+5	H	93	6.53E+5	I	120	6.34E+5	J	140	6.21E+5
2,4,5-Trichlorophenol	A	0.93	4.75E+5	B	2.3	3.97E+5	C	4.7	3.93E+5	D	9.3	4.11E+5	E	23	3.62E+5
	F	47	3.38E+5	G	70	3.56E+5	H	93	3.51E+5	I	120	3.37E+5	J	140	3.26E+5
2,3,4,5-Tetrachlorophenol	A	0.94	1.03E+6	B	2.4	9.55E+5	C	4.7	9.42E+5	D	9.4	9.56E+5	E	24	8.44E+5
	F	47	7.59E+5	G	71	7.43E+5	H	94	7.38E+5	I	120	7.12E+5	J	140	6.91E+5
2,3,5,6-Tetrachlorophenol	A	0.94	1.28E+6	B	2.4	1.18E+6	C	4.7	1.16E+6	D	9.4	1.20E+6	E	24	1.05E+6
	F	47	9.89E+5	G	71	9.65E+5	H	94	9.79E+5	I	120	9.47E+5	J	140	9.36E+5
Pentachlorophenol	A	0.95	1.46E+6	B	2.4	1.42E+6	C	4.8	1.37E+6	D	9.5	1.40E+6	E	24	1.19E+6
	F	48	1.12E+6	G	71	1.10E+6	H	95	1.11E+6	I	120	1.07E+6	J	140	1.06E+6

Results flagged with an asterisk (*) indicate values outside control criteria.

Client: JH Baxter & Company
Project: J.H. Baxter / Arlington

Service Request: K1308873
Calibration Date: 08/29/2013

Initial Calibration Summary
Chlorinated Phenols

Calibration ID: CAL12742
Instrument ID: GC27

Column: Rtx-Dioxin 2

Analyte Name	Compound Type	Calibration Evaluation				
		Fit Type	Eval.	Eval. Result	Q	Control Criteria
4-Bromo-2,6-dichlorophenol	SURR	AverageRF	% RSD	6.1		≤ 20
2,4,6-Trichlorophenol	MS	AverageRF	% RSD	9.3		≤ 20
2,4,5-Trichlorophenol	MS	AverageRF	% RSD	12.0		≤ 20
2,3,4,5-Tetrachlorophenol	MS	AverageRF	% RSD	14.9		≤ 20
2,3,5,6-Tetrachlorophenol	MS	AverageRF	% RSD	11.8		≤ 20
Pentachlorophenol	MS	AverageRF	% RSD	13.2		≤ 20

Results flagged with an asterisk (*) indicate values outside control criteria.

QA/QC Results

Client: JH Baxter & Company
Project: J.H. Baxter / Arlington

Service Request: K1308873
Calibration Date: 08/29/2013
Date Analyzed: 08/29/2013

Second Source Calibration Verification
Chlorinated Phenols

Calibration Type: External Standard
Analysis Method: 8151M

Calibration ID: CAL12742
Units: ug/L

File ID: J:\GC27\DATA\082913P\0829F016.D\0829F016c.d

Column ID: Rtx-Dioxin 2

Analyte Name	Expected	Result	Average RF	SSV RF	%D	%Drift	Criteria	Curve Fit
2,4,6-Trichlorophenol	23	23	694000	698000	1	NA	± 20 %	AverageRF
2,4,5-Trichlorophenol	23	25	375000	410000	9	NA	± 20 %	AverageRF
2,3,4,5-Tetrachlorophenol	24	24	837000	853000	2	NA	± 20 %	AverageRF
2,3,5,6-Tetrachlorophenol	24	24	1070000	1100000	2	NA	± 20 %	AverageRF
Pentachlorophenol	24	25	1230000	1310000	6	NA	± 20 %	AverageRF

Results flagged with an asterisk (*) indicate values outside control criteria.

† SPCC Compound ‡ CCC Compound

Client: JH Baxter & Company
Project: J.H. Baxter / Arlington

Service Request: K1308873
Date Analyzed: 09/05/2013

Continuing Calibration Verification Summary
Chlorinated Phenols

Calibration Type: External Standard
Analysis Method: 8151M

Calibration Date: 08/29/2013
Calibration ID: CAL12742
Analysis Lot: KWG1309795
Units: ug/L

File ID: J:\GC27\DATA\090413B\0904FB03.D

Column ID: Rtx-5

Analyte Name	Expected	Result	Average RF	CCV RF	%D	%Drift	Criteria	Curve Fit
4-Bromo-2,6-dichlorophenol	50	48	1870000	1780000	-5	NA	± 20 %	AverageRF
2,4,6-Trichlorophenol	47	43	1490000	1380000	-8	NA	± 20 %	AverageRF
2,4,5-Trichlorophenol	47	43	685000	635000	-7	NA	± 20 %	AverageRF
2,3,4,5-Tetrachlorophenol	47	47	1550000	1540000	0	NA	± 20 %	AverageRF
2,3,5,6-Tetrachlorophenol	47	46	2120000	2090000	-2	NA	± 20 %	AverageRF
Pentachlorophenol	48	46	2460000	2370000	-4	NA	± 20 %	AverageRF

Results flagged with an asterisk (*) indicate values outside control criteria.

Client: JH Baxter & Company
Project: J.H. Baxter / Arlington

Service Request: K1308873
Date Analyzed: 09/05/2013

Continuing Calibration Verification Summary
Chlorinated Phenols

Calibration Type: External Standard
Analysis Method: 8151M

Calibration Date: 08/29/2013
Calibration ID: CAL12742
Analysis Lot: KWG1309795
Units: ug/L

File ID: J:\GC27\DATA\090413B\0904FB03.D\0904FB03C.D

Column ID: Rtx-Dioxin 2

Analyte Name	Expected	Result	Average RF	CCV RF	%D	%Drift	Criteria	Curve Fit
4-Bromo-2,6-dichlorophenol	50	48	815000	785000	-4	NA	± 20 %	AverageRF
2,4,6-Trichlorophenol	47	44	694000	657000	-5	NA	± 20 %	AverageRF
2,4,5-Trichlorophenol	47	43	375000	349000	-7	NA	± 20 %	AverageRF
2,3,4,5-Tetrachlorophenol	47	44	837000	777000	-7	NA	± 20 %	AverageRF
2,3,5,6-Tetrachlorophenol	47	44	1070000	1010000	-6	NA	± 20 %	AverageRF
Pentachlorophenol	48	45	1230000	1170000	-5	NA	± 20 %	AverageRF

Results flagged with an asterisk (*) indicate values outside control criteria.

ALS Group USA, Corp. dba ALS Environmental

QA/QC Results

Client: JH Baxter & Company
Project: J.H. Baxter / Arlington

Service Request: K1308873
Date Analyzed: 09/05/2013

Continuing Calibration Verification Summary
Chlorinated Phenols

Calibration Type: External Standard
Analysis Method: 8151M

Calibration Date: 08/29/2013
Calibration ID: CAL12742
Analysis Lot: KWG1309795
Units: ug/L

File ID: J:\GC27\DATA\090413B\0904FB15.D

Column ID: Rtx-5

Analyte Name	Expected	Result	Average RF	CCV RF	%D	%Drift	Criteria	Curve Fit
4-Bromo-2,6-dichlorophenol	50	44	1870000	1640000	-12	NA	± 20 %	AverageRF
2,4,6-Trichlorophenol	47	41	1490000	1300000	-12	NA	± 20 %	AverageRF
2,4,5-Trichlorophenol	47	42	685000	612000	-11	NA	± 20 %	AverageRF
2,3,4,5-Tetrachlorophenol	47	44	1550000	1440000	-7	NA	± 20 %	AverageRF
2,3,5,6-Tetrachlorophenol	47	44	2120000	1990000	-6	NA	± 20 %	AverageRF
Pentachlorophenol	48	43	2460000	2240000	-9	NA	± 20 %	AverageRF

Results flagged with an asterisk (*) indicate values outside control criteria.

Client: JH Baxter & Company
Project: J.H. Baxter / Arlington

Service Request: K1308873
Date Analyzed: 09/05/2013

Continuing Calibration Verification Summary
Chlorinated Phenols

Calibration Type: External Standard
Analysis Method: 8151M

Calibration Date: 08/29/2013
Calibration ID: CAL12742
Analysis Lot: KWG1309795
Units: ug/L

File ID: J:\GC27\DATA\090413B\0904FB15.D\0904FB15C.D

Column ID: Rtx-Dioxin 2

Analyte Name	Expected	Result	Average RF	CCV RF	%D	%Drift	Criteria	Curve Fit
4-Bromo-2,6-dichlorophenol	50	47	815000	758000	-7	NA	± 20 %	AverageRF
2,4,6-Trichlorophenol	47	43	694000	636000	-8	NA	± 20 %	AverageRF
2,4,5-Trichlorophenol	47	42	375000	333000	-11	NA	± 20 %	AverageRF
2,3,4,5-Tetrachlorophenol	47	42	837000	743000	-11	NA	± 20 %	AverageRF
2,3,5,6-Tetrachlorophenol	47	42	1070000	962000	-10	NA	± 20 %	AverageRF
Pentachlorophenol	48	43	1230000	1110000	-9	NA	± 20 %	AverageRF

Results flagged with an asterisk (*) indicate values outside control criteria.

Client: JH Baxter & Company
Project: J.H. Baxter / Arlington

Service Request: K1308873
Date Analyzed: 09/05/2013

Continuing Calibration Verification Summary
Chlorinated Phenols

Calibration Type: External Standard
Analysis Method: 8151M

Calibration Date: 08/29/2013
Calibration ID: CAL12742
Analysis Lot: KWG1309804
Units: ug/L

File ID: J:\GC27\DATA\090513\0905F004.D

Column ID: Rtx-5

Analyte Name	Expected	Result	Average RF	CCV RF	%D	%Drift	Criteria	Curve Fit
4-Bromo-2,6-dichlorophenol	50	48	1870000	1800000	-4	NA	± 20 %	AverageRF
2,4,6-Trichlorophenol	47	43	1490000	1360000	-9	NA	± 20 %	AverageRF
2,4,5-Trichlorophenol	47	44	685000	641000	-6	NA	± 20 %	AverageRF
2,3,4,5-Tetrachlorophenol	47	48	1550000	1560000	1	NA	± 20 %	AverageRF
2,3,5,6-Tetrachlorophenol	47	47	2120000	2120000	0	NA	± 20 %	AverageRF
Pentachlorophenol	48	47	2460000	2420000	-2	NA	± 20 %	AverageRF

Results flagged with an asterisk (*) indicate values outside control criteria.

Client: JH Baxter & Company
Project: J.H. Baxter / Arlington

Service Request: K1308873
Date Analyzed: 09/05/2013

Continuing Calibration Verification Summary
Chlorinated Phenols

Calibration Type: External Standard
Analysis Method: 8151M

Calibration Date: 08/29/2013
Calibration ID: CAL12742
Analysis Lot: KWG1309804
Units: ug/L

File ID: J:\GC27\DATA\090513\0905F004.D\0905F004C.D

Column ID: Rtx-Dioxin 2

Analyte Name	Expected	Result	Average RF	CCV RF	%D	%Drift	Criteria	Curve Fit
4-Bromo-2,6-dichlorophenol	50	48	815000	788000	-3	NA	± 20 %	AverageRF
2,4,6-Trichlorophenol	47	44	694000	654000	-6	NA	± 20 %	AverageRF
2,4,5-Trichlorophenol	47	44	375000	352000	-6	NA	± 20 %	AverageRF
2,3,4,5-Tetrachlorophenol	47	44	837000	789000	-6	NA	± 20 %	AverageRF
2,3,5,6-Tetrachlorophenol	47	45	1070000	1020000	-4	NA	± 20 %	AverageRF
Pentachlorophenol	48	46	1230000	1190000	-3	NA	± 20 %	AverageRF

Results flagged with an asterisk (*) indicate values outside control criteria.

ALS Group USA, Corp. dba ALS Environmental

QA/QC Results

Client: JH Baxter & Company
Project: J.H. Baxter / Arlington

Service Request: K1308873
Date Analyzed: 09/05/2013

Continuing Calibration Verification Summary
Chlorinated Phenols

Calibration Type: External Standard
Analysis Method: 8151M

Calibration Date: 08/29/2013
Calibration ID: CAL12742
Analysis Lot: KWG1309804
Units: ug/L

File ID: J:\GC27\DATA\090513\0905F015.D

Column ID: Rtx-5

Analyte Name	Expected	Result	Average RF	CCV RF	%D	%Drift	Criteria	Curve Fit
4-Bromo-2,6-dichlorophenol	50	44	1870000	1640000	-13	NA	± 20 %	AverageRF
2,4,6-Trichlorophenol	47	41	1490000	1300000	-13	NA	± 20 %	AverageRF
2,4,5-Trichlorophenol	47	44	685000	649000	-5	NA	± 20 %	AverageRF
2,3,4,5-Tetrachlorophenol	47	45	1550000	1480000	-4	NA	± 20 %	AverageRF
2,3,5,6-Tetrachlorophenol	47	45	2120000	2010000	-5	NA	± 20 %	AverageRF
Pentachlorophenol	48	45	2460000	2310000	-6	NA	± 20 %	AverageRF

Results flagged with an asterisk (*) indicate values outside control criteria.

Client: JH Baxter & Company
Project: J.H. Baxter / Arlington

Service Request: K1308873
Date Analyzed: 09/05/2013

Continuing Calibration Verification Summary
Chlorinated Phenols

Calibration Type: External Standard
Analysis Method: 8151M

Calibration Date: 08/29/2013
Calibration ID: CAL12742
Analysis Lot: KWG1309804
Units: ug/L

File ID: J:\GC27\DATA\090513\0905F015.D\0905F015C.D

Column ID: Rtx-Dioxin 2

Analyte Name	Expected	Result	Average RF	CCV RF	%D	%Drift	Criteria	Curve Fit
4-Bromo-2,6-dichlorophenol	50	47	815000	760000	-7	NA	± 20 %	AverageRF
2,4,6-Trichlorophenol	47	43	694000	634000	-9	NA	± 20 %	AverageRF
2,4,5-Trichlorophenol	47	43	375000	343000	-8	NA	± 20 %	AverageRF
2,3,4,5-Tetrachlorophenol	47	43	837000	756000	-10	NA	± 20 %	AverageRF
2,3,5,6-Tetrachlorophenol	47	43	1070000	978000	-9	NA	± 20 %	AverageRF
Pentachlorophenol	48	43	1230000	1110000	-10	NA	± 20 %	AverageRF

Results flagged with an asterisk (*) indicate values outside control criteria.

Client: JH Baxter & Company
Project: J.H. Baxter / Arlington

Service Request: K1308873
Date Analyzed: 09/09/2013

Continuing Calibration Verification Summary
Chlorinated Phenols

Calibration Type: External Standard
Analysis Method: 8151M

Calibration Date: 08/29/2013
Calibration ID: CAL12742
Analysis Lot: KWG1309814
Units: ug/L

File ID: J:\GC27\DATA\090913\0909F004.D

Column ID: Rtx-5

Analyte Name	Expected	Result	Average RF	CCV RF	%D	%Drift	Criteria	Curve Fit
4-Bromo-2,6-dichlorophenol	50	46	1870000	1720000	-8	NA	± 20 %	AverageRF
2,4,6-Trichlorophenol	47	42	1490000	1320000	-11	NA	± 20 %	AverageRF
2,4,5-Trichlorophenol	47	42	685000	616000	-10	NA	± 20 %	AverageRF
2,3,4,5-Tetrachlorophenol	47	45	1550000	1480000	-4	NA	± 20 %	AverageRF
2,3,5,6-Tetrachlorophenol	47	45	2120000	2030000	-4	NA	± 20 %	AverageRF
Pentachlorophenol	48	45	2460000	2310000	-6	NA	± 20 %	AverageRF

Results flagged with an asterisk (*) indicate values outside control criteria.

Client: JH Baxter & Company
Project: J.H. Baxter / Arlington

Service Request: K1308873
Date Analyzed: 09/09/2013

Continuing Calibration Verification Summary
Chlorinated Phenols

Calibration Type: External Standard
Analysis Method: 8151M

Calibration Date: 08/29/2013
Calibration ID: CAL12742
Analysis Lot: KWG1309814
Units: ug/L

File ID: J:\GC27\DATA\090913\0909F004.D\0909F004C.D

Column ID: Rtx-Dioxin 2

Analyte Name	Expected	Result	Average RF	CCV RF	%D	%Drift	Criteria	Curve Fit
4-Bromo-2,6-dichlorophenol	50	48	815000	779000	-4	NA	± 20 %	AverageRF
2,4,6-Trichlorophenol	47	44	694000	649000	-7	NA	± 20 %	AverageRF
2,4,5-Trichlorophenol	47	44	375000	350000	-7	NA	± 20 %	AverageRF
2,3,4,5-Tetrachlorophenol	47	44	837000	779000	-7	NA	± 20 %	AverageRF
2,3,5,6-Tetrachlorophenol	47	44	1070000	998000	-7	NA	± 20 %	AverageRF
Pentachlorophenol	48	45	1230000	1170000	-5	NA	± 20 %	AverageRF

Results flagged with an asterisk (*) indicate values outside control criteria.

Client: JH Baxter & Company
Project: J.H. Baxter / Arlington

Service Request: K1308873
Date Analyzed: 09/09/2013

Continuing Calibration Verification Summary
Chlorinated Phenols

Calibration Type: External Standard
Analysis Method: 8151M

Calibration Date: 08/29/2013
Calibration ID: CAL12742
Analysis Lot: KWG1309814
Units: ug/L

File ID: J:\GC27\DATA\090913\0909F011.D

Column ID: Rtx-5

Analyte Name	Expected	Result	Average RF	CCV RF	%D	%Drift	Criteria	Curve Fit
4-Bromo-2,6-dichlorophenol	50	46	1870000	1730000	-7	NA	± 20 %	AverageRF
2,4,6-Trichlorophenol	47	42	1490000	1330000	-11	NA	± 20 %	AverageRF
2,4,5-Trichlorophenol	47	42	685000	614000	-10	NA	± 20 %	AverageRF
2,3,4,5-Tetrachlorophenol	47	45	1550000	1480000	-4	NA	± 20 %	AverageRF
2,3,5,6-Tetrachlorophenol	47	45	2120000	2030000	-4	NA	± 20 %	AverageRF
Pentachlorophenol	48	44	2460000	2280000	-7	NA	± 20 %	AverageRF

Results flagged with an asterisk (*) indicate values outside control criteria.

Client: JH Baxter & Company
Project: J.H. Baxter / Arlington

Service Request: K1308873
Date Analyzed: 09/09/2013

Continuing Calibration Verification Summary
Chlorinated Phenols

Calibration Type: External Standard
Analysis Method: 8151M

Calibration Date: 08/29/2013
Calibration ID: CAL12742
Analysis Lot: KWG1309814
Units: ug/L

File ID: J:\GC27\DATA\090913\0909F011.D\0909F011C.D

Column ID: Rtx-Dioxin 2

Analyte Name	Expected	Result	Average RF	CCV RF	%D	%Drift	Criteria	Curve Fit
4-Bromo-2,6-dichlorophenol	50	49	815000	798000	-2	NA	± 20 %	AverageRF
2,4,6-Trichlorophenol	47	45	694000	666000	-4	NA	± 20 %	AverageRF
2,4,5-Trichlorophenol	47	45	375000	357000	-5	NA	± 20 %	AverageRF
2,3,4,5-Tetrachlorophenol	47	44	837000	780000	-7	NA	± 20 %	AverageRF
2,3,5,6-Tetrachlorophenol	47	45	1070000	1020000	-5	NA	± 20 %	AverageRF
Pentachlorophenol	48	45	1230000	1170000	-5	NA	± 20 %	AverageRF

Results flagged with an asterisk (*) indicate values outside control criteria.

ALS Group USA, Corp. dba ALS Environmental

QA/QC Results

Client: JH Baxter & Company
Project: J.H. Baxter / Arlington

Service Request: K1308873

Analysis Run Log
Chlorinated Phenols

Analysis Method: 8151M

Analysis Lot: KWG1309795
Instrument ID: GC27
Column: Rtx-5

File ID	Sample Name	Lab Code	Date Analysis Started	Start Time	Q	Date Analysis Finished	Finish Time
0904FB03.D	Continuing Calibration Verification	KWG1309795-1	9/5/2013	02:04		9/5/2013	02:12
0904FB04.D	Instrument Blank	KWG1309795-2	9/5/2013	02:18		9/5/2013	02:26
0904FB05.D	ZZZZZZ	ZZZZZZ	9/5/2013	02:33		9/5/2013	02:41
0904FB06.D	ZZZZZZ	ZZZZZZ	9/5/2013	02:48		9/5/2013	02:56
0904FB07.D	ZZZZZZ	ZZZZZZ	9/5/2013	03:03		9/5/2013	03:11
0904FB08.D	ZZZZZZ	ZZZZZZ	9/5/2013	03:18		9/5/2013	03:26
0904FB09.D	ZZZZZZ	ZZZZZZ	9/5/2013	03:33		9/5/2013	03:41
0904FB10.D	ZZZZZZ	ZZZZZZ	9/5/2013	03:48		9/5/2013	03:56
0904FB11.D	ZZZZZZ	ZZZZZZ	9/5/2013	04:03		9/5/2013	04:11
0904FB12.D	EW 1-4 Comp	K1308873-001	9/5/2013	04:18		9/5/2013	04:26
0904FB13.D	EW 1-4 CompMS	KWG1309481-1	9/5/2013	04:32		9/5/2013	04:40
0904FB14.D	EW 1-4 CompDMS	KWG1309481-2	9/5/2013	04:47		9/5/2013	04:55
0904FB15.D	Continuing Calibration Verification	KWG1309795-3	9/5/2013	05:02		9/5/2013	05:10
0904FB16.D	Instrument Blank	KWG1309795-4	9/5/2013	05:17		9/5/2013	05:25
0904FB17.D	ZZZZZZ	ZZZZZZ	9/5/2013	05:32		9/5/2013	05:40
0904FB18.D	ZZZZZZ	ZZZZZZ	9/5/2013	05:47		9/5/2013	05:55
0904FB19.D	ZZZZZZ	ZZZZZZ	9/5/2013	06:02		9/5/2013	06:10
0904FB20.D	ZZZZZZ	ZZZZZZ	9/5/2013	06:17		9/5/2013	06:25
0904FB21.D	ZZZZZZ	ZZZZZZ	9/5/2013	06:32		9/5/2013	06:40
0904FB22.D	Continuing Calibration Verification	KWG1309795-5	9/5/2013	06:47		9/5/2013	06:55
0904FB23.D	Instrument Blank	KWG1309795-6	9/5/2013	07:02		9/5/2013	07:10

Results flagged with an asterisk (*) indicate the holding time was exceeded for the analysis

Client: JH Baxter & Company
Project: J.H. Baxter / Arlington

Service Request: K1308873

Analysis Run Log
Chlorinated Phenols

Analysis Method: 8151M

Analysis Lot: KWG1309804
Instrument ID: GC27
Column: Rtx-5

File ID	Sample Name	Lab Code	Date Analysis Started	Start Time	Q	Date Analysis Finished	Finish Time
0905F004.D	Continuing Calibration Verification	KWG1309804-1	9/5/2013	10:32		9/5/2013	10:40
0905F005.D	Instrument Blank	KWG1309804-2	9/5/2013	10:47		9/5/2013	10:55
0905F006.D	ZZZZZZ	ZZZZZZ	9/5/2013	11:02		9/5/2013	11:10
0905F007.D	ZZZZZZ	ZZZZZZ	9/5/2013	11:17		9/5/2013	11:25
0905F008.D	ZZZZZZ	ZZZZZZ	9/5/2013	11:32		9/5/2013	11:40
0905F009.D	ZZZZZZ	ZZZZZZ	9/5/2013	11:47		9/5/2013	11:55
0905F010.D	ZZZZZZ	ZZZZZZ	9/5/2013	12:02		9/5/2013	12:10
0905F011.D	ZZZZZZ	ZZZZZZ	9/5/2013	12:17		9/5/2013	12:25
0905F012.D	ZZZZZZ	ZZZZZZ	9/5/2013	12:32		9/5/2013	12:40
0905F013.D	Lab Control Sample	KWG1309481-3	9/5/2013	12:47		9/5/2013	12:55
0905F014.D	Method Blank	KWG1309481-4	9/5/2013	13:02		9/5/2013	13:10
0905F015.D	Continuing Calibration Verification	KWG1309804-3	9/5/2013	13:17		9/5/2013	13:25
0905F016.D	Instrument Blank	KWG1309804-4	9/5/2013	13:32		9/5/2013	13:40

Results flagged with an asterisk (*) indicate the holding time was exceeded for the analysis

ALS Group USA, Corp. dba ALS Environmental

QA/QC Results

Client: JH Baxter & Company
Project: J.H. Baxter / Arlington

Service Request: K1308873

Analysis Run Log
Chlorinated Phenols

Analysis Method: 8151M

Analysis Lot: KWG1309814
Instrument ID: GC27
Column: Rtx-5

File ID	Sample Name	Lab Code	Date Analysis Started	Start Time	Q	Date Analysis Finished	Finish Time
0909F004.D	Continuing Calibration Verification	KWG1309814-1	9/9/2013	18:03		9/9/2013	18:11
0909F005.D	Instrument Blank	KWG1309814-2	9/9/2013	18:19		9/9/2013	18:27
0909F006.D	ZZZZZZ	ZZZZZZ	9/9/2013	18:34		9/9/2013	18:42
0909F007.D	ZZZZZZ	ZZZZZZ	9/9/2013	18:49		9/9/2013	18:57
0909F008.D	EW 1-4 Comp	K1308873-001	9/9/2013	19:04		9/9/2013	19:12
0909F009.D	EW 1-4 CompMS	KWG1309481-1	9/9/2013	19:19		9/9/2013	19:27
0909F010.D	EW 1-4 CompDMS	KWG1309481-2	9/9/2013	19:34		9/9/2013	19:42
0909F011.D	Continuing Calibration Verification	KWG1309814-3	9/9/2013	19:49		9/9/2013	19:57
0909F012.D	Instrument Blank	KWG1309814-4	9/9/2013	20:04		9/9/2013	20:12
0909F014.D	ZZZZZZ	ZZZZZZ	9/9/2013	20:34		9/9/2013	20:42
0909F015.D	ZZZZZZ	ZZZZZZ	9/9/2013	20:49		9/9/2013	20:57
0909F017.D	ZZZZZZ	ZZZZZZ	9/9/2013	21:19		9/9/2013	21:27
0909F018.D	ZZZZZZ	ZZZZZZ	9/9/2013	21:34		9/9/2013	21:42
0909F019.D	Continuing Calibration Verification	KWG1309814-5	9/9/2013	21:49		9/9/2013	21:57
0909F020.D	Instrument Blank	KWG1309814-6	9/9/2013	22:04		9/9/2013	22:12

Results flagged with an asterisk (*) indicate the holding time was exceeded for the analysis

ALS Group USA, Corp. dba ALS Environmental

QA/QC Results

Client: JH Baxter & Company
Project: J.H. Baxter / Arlington
Sample Matrix: Water

Service Request: K1308873
Date Extracted: 08/30/2013

Extraction Prep Log
Chlorinated Phenols

Extraction Method: Method
Analysis Method: 8151M

Extraction Lot: KWG1309481
Level: Low

Sample Name	Lab Code	Date Collected	Date Received	Sample Amount	Final Volume	% Solids	Note
EW 1-4 Comp	K1308873-001	08/26/13	08/29/13	5mL	1mL	NA	
EW 1-4 CompDL	K1308873-001	08/26/13	08/29/13	5mL	1mL	NA	
Method Blank	KWG1309481-4	NA	NA	5mL	1mL	NA	
EW 1-4 CompMS	KWG1309481-1	08/26/13	08/29/13	5mL	1mL	NA	
EW 1-4 CompDMS	KWG1309481-2	08/26/13	08/29/13	5mL	1mL	NA	
Lab Control Sample	KWG1309481-3	NA	NA	5mL	1mL	NA	

Results flagged with an asterisk (*) indicate the holding time was exceeded for the analysis

ALS Group USA, Corp. dba ALS Environmental

Confirmation Results

Client: JH Baxter & Company
Project: J.H. Baxter / Arlington
Sample Matrix: Water

Service Request: K1308873
Date Collected: 08/26/2013
Date Received: 08/29/2013
Date Extracted: 08/30/2013

Chlorinated Phenols

Sample Name: EW 1-4 Comp
Lab Code: K1308873-001

Extraction Method: Method
Analysis Method: 8151M

Units: ug/L
Basis: NA
Level: Low

Analyte Name	MRL	MDL	Primary Result	Confirmation Result	RPD	Q	Dilution Factor	Date Analyzed
Tetrachlorophenols, Total	1.0	0.25	18	20	10.5		1	09/05/13
Pentachlorophenol	25	8.0	530	540	1.9	D	50	09/09/13

September 16, 2013

Analytical Report for Service Request No: K1308874

Scott Thielke
JH Baxter & Company
85 N. Baxter Road
P.O. Box 10797
Eugene, OR 97440

RE: J.H. Baxter / Arlington

Dear Scott:

Enclosed are the results of the samples submitted to our laboratory on August 29, 2013. For your reference, these analyses have been assigned our service request number K1308874.

Analyses were performed according to our laboratory's NELAP-approved quality assurance program. The test results meet requirements of the current NELAP standards, where applicable, and except as noted in the laboratory case narrative provided. For a specific list of NELAP-accredited analytes, refer to the certifications section at www.alsglobal.com. All results are intended to be considered in their entirety, and ALS Group USA Corp. dba ALS Environmental (ALS) is not responsible for use of less than the complete report. Results apply only to the items submitted to the laboratory for analysis and individual items (samples) analyzed, as listed in the report.

Please call if you have any questions. My extension is 3275. You may also contact me via Email at Chris.Leaf@alsglobal.com.

Respectfully submitted,

ALS Group USA Corp. dba ALS Environmental

Chris Leaf
Project Manager

CL/mj

ADDRESS 1317 S. 13th Avenue, Kelso, WA 98626 USA PHONE +1 360 577 7222 FAX +1 360 636 1068
Columbia Analytical Services, Inc. Part of the ALS Group An ALS Limited Company

Environmental www.alsglobal.com
RIGHT SOLUTIONS RIGHT PARTNER

Acronyms

ASTM	American Society for Testing and Materials
A2LA	American Association for Laboratory Accreditation
CARB	California Air Resources Board
CAS Number	Chemical Abstract Service registry Number
CFC	Chlorofluorocarbon
CFU	Colony-Forming Unit
DEC	Department of Environmental Conservation
DEQ	Department of Environmental Quality
DHS	Department of Health Services
DOE	Department of Ecology
DOH	Department of Health
EPA	U. S. Environmental Protection Agency
ELAP	Environmental Laboratory Accreditation Program
GC	Gas Chromatography
GC/MS	Gas Chromatography/Mass Spectrometry
LOD	Limit of Detection
LOQ	Limit of Quantitation
LUFT	Leaking Underground Fuel Tank
M	Modified
MCL	Maximum Contaminant Level is the highest permissible concentration of a substance allowed in drinking water as established by the USEPA.
MDL	Method Detection Limit
MPN	Most Probable Number
MRL	Method Reporting Limit
NA	Not Applicable
NC	Not Calculated
NCASI	National Council of the Paper Industry for Air and Stream Improvement
ND	Not Detected
NIOSH	National Institute for Occupational Safety and Health
PQL	Practical Quantitation Limit
RCRA	Resource Conservation and Recovery Act
SIM	Selected Ion Monitoring
TPH	Total Petroleum Hydrocarbons
tr	Trace level is the concentration of an analyte that is less than the PQL but greater than or equal to the MDL.

Inorganic Data Qualifiers

* The result is an outlier. See case narrative.

\# The control limit criteria is not applicable. See case narrative.

B The analyte was found in the associated method blank at a level that is significant relative to the sample result as defined by the DOD or NELAC standards.

The result is an estimate amount because the value exceeded the instrument calibration range.

J The result is an estimated value.

U The analyte was analyzed for, but was not detected ("Non-detect") at or above the MRL/MDL.
DOD-QSM 4.2 definition : Analyte was not detected and is reported as less than the LOD or as defined by the project. The detection limit is adjusted for dilution.

i The MRL/MDL or LOQ/LOD is elevated due to a matrix interference.

X See case narrative.

Q See case narrative. One or more quality control criteria was outside the limits.

H The holding time for this test is immediately following sample collection. The samples were analyzed as soon as possible after receipt by the laboratory.

Metals Data Qualifiers

\# The control limit criteria is not applicable. See case narrative.

J The result is an estimated value.

E The percent difference for the serial dilution was greater than 10%, indicating a possible matrix interference in the sample.

M The duplicate injection precision was not met.

N The Matrix Spike sample recovery is not within control limits. See case narrative.

S The reported value was determined by the Method of Standard Additions (MSA).

U The analyte was analyzed for, but was not detected ("Non-detect") at or above the MRL/MDL.
DOD-QSM 4.2 definition : Analyte was not detected and is reported as less than the LOD or as defined by the project. The detection limit is adjusted for dilution.

W The post-digestion spike for furnace AA analysis is out of control limits, while sample absorbance is less than 50% of spike absorbance.

i The MRL/MDL or LOQ/LOD is elevated due to a matrix interference.

X See case narrative.

\+ The correlation coefficient for the MSA is less than 0.995.

Q See case narrative. One or more quality control criteria was outside the limits.

Organic Data Qualifiers

The result is an outlier. See case narrative.

\# The control limit criteria is not applicable. See case narrative.

A A tentatively identified compound, a suspected aldol-condensation product.

B The analyte was found in the associated method blank at a level that is significant relative to the sample result as defined by the DOD or NELAC standards.

C The analyte was qualitatively confirmed using GC/MS techniques, pattern recognition, or by comparing to historical data.

D The reported result is from a dilution.

E The result is an estimated value.

J The result is an estimated value.

N The result is presumptive. The analyte was tentatively identified, but a confirmation analysis was not performed.

P The GC or HPLC confirmation criteria was exceeded. The relative percent difference is greater than 40% between the two analytical results.

U The analyte was analyzed for, but was not detected ("Non-detect") at or above the MRL/MDL.
DOD-QSM 4.2 definition : Analyte was not detected and is reported as less than the LOD or as defined by the project. The detection limit is adjusted for dilution.

i The MRL/MDL or LOQ/LOD is elevated due to a chromatographic interference.

X See case narrative.

Q See case narrative. One or more quality control criteria was outside the limits.

Additional Petroleum Hydrocarbon Specific Qualifiers

F The chromatographic fingerprint of the sample matches the elution pattern of the calibration standard.

L The chromatographic fingerprint of the sample resembles a petroleum product, but the elution pattern indicates the presence of a greater amount of lighter molecular weight constituents than the calibration standard.

H The chromatographic fingerprint of the sample resembles a petroleum product, but the elution pattern indicates the presence of a greater amount of heavier molecular weight constituents than the calibration standard.

O The chromatographic fingerprint of the sample resembles an oil, but does not match the calibration standard.

The chromatographic fingerprint of the sample resembles a petroleum product eluting in approximately the correct carbon range, but the elution pattern does not match the calibration standard.

Z The chromatographic fingerprint does not resemble a petroleum product.

ALS Group USA Corp. dba ALS Environmental (ALS) - Kelso
State Certifications, Accreditations, and Licenses

Agency	Web Site	Number
Alaska DEC UST	http://dec.alaska.gov/applications/eh/ehllabreports/USTLabs.aspx	UST-040
Arizona DHS	http://www.azdhs.gov/lab/license/env.htm	AZ0339
Arkansas - DEQ	http://www.adeq.state.ar.us/techsvs/labcert.htm	88-0637
California DHS (ELAP)	http://www.cdph.ca.gov/certlic/labs/Pages/ELAP.aspx	2286
DOD ELAP	http://www.denix.osd.mil/edqw/Accreditation/AccreditedLabs.cfm	L12-28
Florida DOH	http://www.doh.state.fl.us/lab/EnvLabCert/WaterCert.htm	E87412
Georgia DNR	http://www.gaepd.org/Documents/techguide_pcb.html#cel	881
Hawaii DOH	Not available	-
Idaho DHW	http://www.healthandwelfare.idaho.gov/Health/Labs/CertificationDrinkingWaterLabs/tabid/1833/Default.aspx	-
Indiana DOH	http://www.in.gov/isdh/24859.htm	C-WA-01
ISO 17025	http://www.pjlabs.com/	L12-27
Louisiana DEQ	http://www.deq.louisiana.gov/portal/DIVISIONS/PublicParticipationandPermitSupport/LouisianaLaboratoryAccreditationProgram.aspx	3016
Maine DHS	Not available	WA0035
Michigan DEQ	http://www.michigan.gov/deq/0,1607,7-135-3307_4131_4156---,00.html	9949
Minnesota DOH	http://www.health.state.mn.us/accreditation	053-999-368
Montana DPHHS	http://www.dphhs.mt.gov/publichealth/	CERT0047
Nevada DEP	http://ndep.nv.gov/bsdw/labservice.htm	WA35
New Jersey DEP	http://www.nj.gov/dep/oqa/	WA005
North Carolina DWQ	http://www.dwqlab.org/	605
Oklahoma DEQ	http://www.deq.state.ok.us/CSDnew/labcert.htm	9801
Oregon – DEQ (NELAP)	http://public.health.oregon.gov/LaboratoryServices/EnvironmentalLaboratoryAccreditation/Pages/index.aspx	WA200001
South Carolina DHEC	http://www.scdhec.gov/environment/envserv/	61002
Texas CEQ	http://www.tceq.texas.gov/field/qa/env_lab_accreditation.html	4704427-08-TX
Washington DOE	http://www.ecy.wa.gov/programs/eap/labs/lab-accreditation.html	C1203
Wisconsin DNR	http://dnr.wi.gov/	998386840
Wyoming (EPA Region 8)	http://www.epa.gov/region8/water/dwhome/wyomingdi.html	-
Kelso Laboratory Website	www.alsglobal.com	NA

Analyses were performed according to our laboratory's NELAP-approved quality assurance program. A complete listing of specific NELAP-certified analytes, can be found in the certification section at www.caslab.com or at the accreditation bodies web site

Please refer to the certification and/or accreditation body's web site if samples are submitted for compliance purposes. The states highlighted above, require the analysis be listed on the state certification if used for compliance purposes and if the method/anlayte is offered by that state.

Case Narrative

ALS ENVIRONMENTAL

Client:	JH Baxter & Company	**Service Request No.:**	K1308874
Project:	J.H. Baxter / Arlington	**Date Received:**	08/29/13
Sample Matrix:	Water		

Case Narrative

All analyses were performed consistent with the quality assurance program of ALS Environmental. This report contains analytical results for samples designated for Tier IV validation deliverables including summary forms and all of the associated raw data for each of the analyses. When appropriate to the method, method blank results have been reported with each analytical test.

Sample Receipt

Thirty-one water samples were received for analysis at ALS Environmental on 08/29/13. The samples were received in good condition and consistent with the accompanying chain of custody form. The samples were stored in a refrigerator at 4°C upon receipt at the laboratory.

Pentachlorophenol by EPA Method 8151

Matrix Spike Recovery Exceptions:
The control criteria for matrix spike recovery of Pentachlorophenol for sample Batch QC were not applicable. The analyte concentration in the sample was significantly higher than the added spike concentration, preventing accurate evaluation of the spike recovery.

Sample Confirmation Notes:
The confirmation comparison criteria of 40% difference for analyte was exceeded in sample MW-15. The lower of the two values was reported when no evidence of a matrix interference was observed.

Elevated Detection Limits:
Several field samples required dilution due to the presence of elevated levels of target analyte. The reporting limits were adjusted to reflect the dilution.

The detection limit was elevated for Pentachlorophenol in a few field samples. The chromatogram indicated the presence of non-target background components. The matrix interference prevented adequate resolution of the target compound at the normal limit. The results were flagged to indicate the matrix interference.

No other anomalies associated with the analysis of these samples were observed.

Polynuclear Aromatic Hydrocarbons by EPA Method 8270

Calibration Verification Exceptions:
The following analytes were flagged as outside the upper control criterion for Continuing Calibration Verification (CCV) MS11\0905F002.D: Fluoranthene-d10. In accordance with the EPA Method 8270D, 80% or more of the CCV analytes must have passed within 20% of the true value. The remaining analytes are allowed a 40% difference as per the ALS SOP. The CCV met these criteria. The data quality was not affected. No further corrective action was required.

Approved by_____

Polynuclear Aromatic Hydrocarbons by EPA Method 8270 (cont.)

Samples MW-35, MW-36, MW-37, MW-3 and Field Blank Rinsate were cancelled for PAHs by EPA Method 8270. A cooling system failed during the extraction process. No additional sample volume remained for reanalysis. Further corrective action was not possible.

No other anomalies associated with the analysis of these samples were observed.

Approved by_____

Chain of Custody

Columbia Analytical Services

29637

CHAIN OF CUSTODY

1317 South 13th Ave, Kelso, WA 98626 | 360.577.7222 | 800.695.7222 | 360.636.1068 (fax)

SR# K1308874

COC Set ___ of ___

Page 1 OF ~~1~~ 3 COC# ___

Project Name: JH BAXTER/Arlington
Project Number:
Project Manager:
Company Name: J.H. BAXTER
Company Address: 85 N. BAXTER RD.
City/State/Zip: Eugene, OR, 97402
E-Mail Address:
Phone #: FAX #:
Sampler Signature:

Sample ID	Date	Time	Lab ID	Matrix	Number of Containers	8151A Modified / PCP ONLY 7D	8270D / PAH SIM				Remarks
1 HCMW-7	8-26	1003		H_2O	1	X					1
2 MW-15	8-26	1053			2	X	X				2
3 MW-16	8-26	1217			2	X	X				3
4 MW-17	8-26	1006			2	X	X				4
5 MW-18	8-26	0801			2	X	X				5
6 MW-2	8-26	0924			2	X	X				6
7 MW-22	8-25	1734			1	X					7
8 MW-23	8-25	1705			1	X					8
9 MW-24	8-25	1618			1	X					9
10 MW-25	8-25	1529			1	X					10
11 MW-26	8-25	1555			1	X					11

Report Requirements

___ I Routine Report Method Blank Surrogate as required
___ II Report Dup MS MSD as required
___ III Data Validation Report (includes all raw data)
X IV CLP Deliverable Report
___ V EDD

Invoice Information

P.O.# ___
Bill To: J.H. BAXTER

Turnaround Requirements

___ 24 hr ___ 48 hr
___ 5 Day
X Standard (10-15 working days)
___ Provide Fax Results

Requested Report Date

Circle which metals are to be analyzed

Total Metals Al As Sb Ba Be B Ca Cd Co Cr Cu Fe Pb Mg Mn Mo Ni K Ag Na Se Sr Tl Sn V Zn Hg

Dissolved Metals Al As Sb Ba Be B Ca Cd Co Cr Cu Fe Pb Mg Mn Mo Ni K Ag Na Se Sr Tl Sn V Zn Hg

Special Instructions/Comments: *Indicate State Hydrocarbon Procedure. AK CA WI Northwest Other ___ (Circle One)

Please CALL; STEVE BARNETT
W/ ANY Questions 503-639-3400

☐ Sample Shipment contains USDA regulated soil samples (check box if applicable)

Relinquished By:		Received By:		Relinquished By:		Received By:	
Scott Thielke	8-28-13 1015	[signature]	8/29/13 960				
Signature	Date/Time	Signature	Date/Time	Signature	Date/Time	Signature	Date/Time
SCOTT THIELKE	JH BAXTER	[signature]	ALS				
Printed Name	Firm	Printed Name	Firm	Printed Name	Firm	Printed Name	Firm

Columbia Analytical Services

29637 CHAIN OF CUSTODY

SR# K1308874

COC Set ___ of ___

Page 1 OF 1 COC# 2 3

1317 South 12th Ave, Kelso, WA 98626 | 360.577.7222 | 800.695.7222 | 360.636.1068 (fax)

Project Name: JH BAXTER/ARLINGTON
Project Number:
Project Manager:
Company Name: J.H. BAXTER
Company Address: 85 N. BAXTER RD
City/State/Zip: EUGENE OR 97402
E-Mail Address:
Phone #: FAX #:
Sampler Signature:

Sample ID	Date	Time	Lab ID	Matrix	Number of Containers	8151A Modified / PCP only	8270D / PAH SIM				Remarks
MW-27	8-25	1641		H_2O	1	X					
MW-28	8-26	1420			1	X					
MW-29	8-26	1358			1	X					
MW-30	8/26	1210			2	X	X				
MW-31	8/26	1150			1	X					
MW-32	8-25	1505			1	X					
MW-33	8-25	1756			1	X					
MW-34	8-26	1338			1	X					
MW-35	8-25	1800			2	X	X				
MW-36	8-25	1500			2	X	X				
MW-37	8-26	1144			2	X	X				

7D

Report Requirements

___ I Routine Report Method Blank Surrogate as required
___ II Report Dup MS MSD as required
___ III Data Validation Report (includes all raw data)
X IV CLP Deliverable Report
___ V EDD

Invoice Information

P.O.#
Bill To: JH BAXTER

Turnaround Requirements

___ 24 hr ___ 48 hr
___ 5 Day
X Standard (10-15 working days)
___ Provide Fax Results

Requested Report Date

Circle which metals are to be analyzed

Total Metals Al As Sb Ba Be B Ca Cd Co Cr Cu Fe Pb Mg Mn Mo Ni K Ag Na Se Sr Tl Sn V Zn Hg

Dissolved Metals Al As Sb Ba Be B Ca Cd Co Cr Cu Fe Pb Mg Mn Mo Ni K Ag Na Se Sr Tl Sn V Zn Hg

Special Instructions/Comments: *Indicate State Hydrocarbon Procedure: AK CA WI Northwest Other____ (Circle One)

QUESTIONS Please Call: STEVE BARNETT 503-659-3400

☐ Sample Shipment contains USDA regulated soil samples (check box if applicable)

Relinquished By:		Received By:		Relinquished By:		Received By:	
Signature: Scott Thielke	Date/Time: 8-28-13 1015	Signature:	Date/Time: 8/29/13 900	Signature:	Date/Time:	Signature:	Date/Time:
Printed Name: SCOT THIELKE	Firm: JH BAXTER	Printed Name:	Firm:	Printed Name:	Firm:	Printed Name:	Firm:

10

Columbia Analytical Services

29637 CHAIN OF CUSTODY

1317 South 13th Ave, Kelso, WA 98626 | 360.577.7222 | 800.695.7222 | 360.636.1068 (fax)

SR# K1308874

COC Set ___ of ___

Page 1 OF 1 COC# ___

3 3

Project Name	JH BAXTER/ARLINGTON
Project Number	
Project Manager	
Company Name	J.H. BAXTER
Comany Address	85 N. BAXTER RD
City/State/Zip	EUGENE OR 97402
E-Mail Address	
Phone #	FAX #
Sampler Signature	

Sample ID	Date	Time	Lab ID	Matrix	Number of Containers	8151A Modified / 7D	8270D / PAH SIM				Remarks
MW-38	8-26	1310		H_2O	1	X					
MW-39	8-26	1040			1	X					
MW-40	8-25	1120			1	X					
MW-41	8-25	1423			1	X					
MW-42	8-26	0822			1	X					
MW-43	8-26	0925			1	X					
MW-44	8-26	1618			1	X					
Field Blank/ Rinsate	8-27	1100			2	X	X				
MW-3	8/25	1644			2	X	X				No Phos Cond. on field blank

Report Requirements

- ___ I Routine Report Method Blank Surrogate as required
- ___ II Report Dup MS MSD as required
- ___ III Data Validation Report (includes all raw data)
- X IV CLP Deliverable Report
- ___ V EDD

Invoice Information

P.O.# ___

Bill To: JH BAXTER

Turnaround Requirements

- ___ 24 hr ___ 48 hr
- ___ 5 Day
- X Standard (10-15 working days)
- ___ Provide Fax Results

Requested Report Date

Circle which metals are to be analyzed

Total Metals Al As Sb Ba Be B Ca Cd Co Cr Cu Fe Pb Mg Mn Mo Ni K Ag Na Se Sr Ti Sn V Zn Hg

Dissolved Metals Al As Sb Ba Be B Ca Cd Co Cr Cu Fe Pb Mg Mn Mo Ni K Ag Na Se Sr Ti Sn V Zn Hg

Special Instructions/Comments: *Indicate State Hydrocarbon Procedure AK CA WI Northwest Other ___ (Circle One)

QUESTIONS
Please
Call: STEVE BARNETT 503-639-3400

☐ Sample Shipment contains USDA regulated soil samples (check box if applicable)

Relinquished By:		Received By:		Relinquished By:		Received By:	
Signature	Date/Time	Signature	Date/Time	Signature	Date/Time	Signature	Date/Time
Scott Thiecke	8-28-13 1015	B Thin	8/29/13 900				
Printed Name	Firm	Printed Name	Firm	Printed Name	Firm	Printed Name	Firm

PC CC

Cooler Receipt and Preservation Form

Client / Project: JH Baxter Service Request K13 8874

Received: 8/29/13 Opened: 8/29/13 By: BT Unloaded: 8/29/13 By: BT

1. Samples were received via? *Mail* *Fed Ex* *UPS* *DHL* *PDX* *Courier* *Hand Delivered*
2. Samples were received in: (circle) *Cooler* *Box* *Envelope* *Other* _____ *NA*
3. Were custody seals on coolers? NA Y N If yes, how many and where? Front
   If present, were custody seals intact? Y N If present, were they signed and dated? Y N

Raw Cooler Temp	Corrected Cooler Temp	Raw Temp Blank	Corrected Temp Blank	Corr. Factor	Thermometer ID	Cooler/COC ID NA	Tracking Number NA	Filed
0.9	1.0	0.9	1.0	+0.1	304		8684 5811 8926	
0.5	0.6	0.2	0.3	+0.1	340		" " 8948	
1.1	1.2	1.2	1.3	+0.1	334		" " 8915	
1.2	1.2	0.9	0.9	Ø	341		" " 8937	

4. Packing material: *Inserts* *Baggies* *Bubble Wrap* *Gel Packs* *Wet Ice* *Dry Ice* *Sleeves* _____
5. Were custody papers properly filled out (ink, signed, etc.)? NA Y N
6. Did all bottles arrive in good condition (unbroken)? *Indicate in the table below.* NA Y N
7. Were all sample labels complete (i.e analysis, preservation, etc.)? NA Y N
8. Did all sample labels and tags agree with custody papers? *Indicate major discrepancies in the table on page 2.* NA Y N
9. Were appropriate bottles/containers and volumes received for the tests indicated? NA Y N
10. Were the pH-preserved bottles (*see SMO GEN SOP*) received at the appropriate pH? *Indicate in the table below* NA Y N
11. Were VOA vials received without headspace? *Indicate in the table below.* NA Y N
12. Was C12/Res negative? NA Y N

Sample ID on Bottle	Sample ID on COC	Identified by:

Sample ID	Bottle Count Bottle Type	Out of Temp	Head-space	Broke	pH	Reagent	Volume added	Reagent Lot Number	Initials	Time

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Notes, Discrepancies, & Resolutions: Samples -023 → -031 assigned RCP only per historical work. Sent email 8/30/13 CC

Page ____ of ____

Pentachlorophenol

Organic Analysis:
Pentachlorophenol

Summary Package

Sample and QC Results

Client: JH Baxter & Company
Project: J.H. Baxter / Arlington

Service Request: K1308874

Cover Page - Organic Analysis Data Package
Pentachlorophenol

Sample Name	Lab Code	Date Collected	Date Received
HCMW-7	K1308874-001	08/26/2013	08/29/2013
MW-15	K1308874-002	08/26/2013	08/29/2013
MW-16	K1308874-003	08/26/2013	08/29/2013
MW-17	K1308874-004	08/26/2013	08/29/2013
MW-18	K1308874-005	08/26/2013	08/29/2013
MW-2	K1308874-006	08/26/2013	08/29/2013
MW-22	K1308874-007	08/25/2013	08/29/2013
MW-23	K1308874-008	08/25/2013	08/29/2013
MW-24	K1308874-009	08/25/2013	08/29/2013
MW-25	K1308874-010	08/25/2013	08/29/2013
MW-26	K1308874-011	08/25/2013	08/29/2013
MW-27	K1308874-012	08/25/2013	08/29/2013
MW-28	K1308874-013	08/26/2013	08/29/2013
MW-29	K1308874-014	08/26/2013	08/29/2013
MW-30	K1308874-015	08/26/2013	08/29/2013
MW-31	K1308874-016	08/26/2013	08/29/2013
MW-32	K1308874-017	08/25/2013	08/29/2013
MW-33	K1308874-018	08/25/2013	08/29/2013
MW-34	K1308874-019	08/26/2013	08/29/2013
MW-35	K1308874-020	08/25/2013	08/29/2013
MW-36	K1308874-021	08/25/2013	08/29/2013
MW-37	K1308874-022	08/26/2013	08/29/2013
MW-38	K1308874-023	08/26/2013	08/29/2013
MW-39	K1308874-024	08/26/2013	08/29/2013
MW-40	K1308874-025	08/25/2013	08/29/2013
MW-41	K1308874-026	08/25/2013	08/29/2013
MW-42	K1308874-027	08/26/2013	08/29/2013
MW-43	K1308874-028	08/26/2013	08/29/2013
MW-44	K1308874-029	08/26/2013	08/29/2013
Field Blank Rinsate	K1308874-030	08/27/2013	08/29/2013
MW-3	K1308874-031	08/25/2013	08/29/2013
HCMW-7MS	KWG1309771-1	08/26/2013	08/29/2013
HCMW-7DMS	KWG1309771-2	08/26/2013	08/29/2013

I certify that this data package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the conditions detailed in the case narrative. Release of the data contained in this hardcopy data package and in the computer-readable data has been authorized by the Laboratory Manager or the Manager's designee, as verified by the following signature.

Signature: _____ Name: _____

Date: 9/13/13 Title: _____

ALS Group USA, Corp. dba ALS Environmental

Analytical Results

Client:	JH Baxter & Company	**Service Request:**	K1308874
Project:	J.H. Baxter / Arlington	**Date Collected:**	08/26/2013
Sample Matrix:	Water	**Date Received:**	08/29/2013

Pentachlorophenol

Sample Name:	HCMW-7	**Units:**	ug/L
Lab Code:	K1308874-001	**Basis:**	NA
Extraction Method:	Method Mod	**Level:**	Low
Analysis Method:	8151M		

Analyte Name	Result	Q	MRL	MDL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Note
Pentachlorophenol	ND	Ui	0.50	0.17	1	08/30/13	09/11/13	KWG1309771	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
4-Bromo-2,6-dichlorophenol	71	33-114	09/11/13	Acceptable

Comments:

ALS Group USA, Corp. dba ALS Environmental

Analytical Results

Client:	JH Baxter & Company	**Service Request:**	K1308874
Project:	J.H. Baxter / Arlington	**Date Collected:**	08/26/2013
Sample Matrix:	Water	**Date Received:**	08/29/2013

Pentachlorophenol

Sample Name:	MW-15	**Units:**	ug/L
Lab Code:	K1308874-002	**Basis:**	NA
Extraction Method:	Method Mod	**Level:**	Low
Analysis Method:	8151M		

Analyte Name	Result	Q	MRL	MDL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Note
Pentachlorophenol	**0.51**	P	0.50	0.16	1	08/30/13	09/11/13	KWG1309771	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
4-Bromo-2,6-dichlorophenol	80	33-114	09/11/13	Acceptable

Comments:

ALS Group USA, Corp. dba ALS Environmental

Analytical Results

Client:	JH Baxter & Company	**Service Request:**	K1308874
Project:	J.H. Baxter / Arlington	**Date Collected:**	08/26/2013
Sample Matrix:	Water	**Date Received:**	08/29/2013

Pentachlorophenol

Sample Name:	MW-16	**Units:**	ug/L
Lab Code:	K1308874-003	**Basis:**	NA
Extraction Method:	Method Mod	**Level:**	Low
Analysis Method:	8151M		

Analyte Name	Result	Q	MRL	MDL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Note
Pentachlorophenol	ND	U	0.50	0.16	1	08/30/13	09/11/13	KWG1309771	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
4-Bromo-2,6-dichlorophenol	74	33-114	09/11/13	Acceptable

Comments:

Analytical Results

Client:	JH Baxter & Company	**Service Request:**	K1308874
Project:	J.H. Baxter / Arlington	**Date Collected:**	08/26/2013
Sample Matrix:	Water	**Date Received:**	08/29/2013

Pentachlorophenol

Sample Name:	MW-17	**Units:**	ug/L
Lab Code:	K1308874-004	**Basis:**	NA
Extraction Method:	Method Mod	**Level:**	Low
Analysis Method:	8151M		

Analyte Name	Result	Q	MRL	MDL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Note
Pentachlorophenol	ND	U	0.50	0.16	1	08/30/13	09/11/13	KWG1309771	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
4-Bromo-2,6-dichlorophenol	70	33-114	09/11/13	Acceptable

Comments:

ALS Group USA, Corp. dba ALS Environmental

Analytical Results

Client:	JH Baxter & Company	**Service Request:**	K1308874
Project:	J.H. Baxter / Arlington	**Date Collected:**	08/26/2013
Sample Matrix:	Water	**Date Received:**	08/29/2013

Pentachlorophenol

Sample Name:	MW-18	**Units:**	ug/L
Lab Code:	K1308874-005	**Basis:**	NA
Extraction Method:	Method Mod	**Level:**	Low
Analysis Method:	8151M		

Analyte Name	Result	Q	MRL	MDL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Note
Pentachlorophenol	ND	U	0.50	0.16	1	08/30/13	09/11/13	KWG1309771	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
4-Bromo-2,6-dichlorophenol	70	33-114	09/11/13	Acceptable

Comments:

ALS Group USA, Corp. dba ALS Environmental

Analytical Results

Client:	JH Baxter & Company	**Service Request:**	K1308874
Project:	J.H. Baxter / Arlington	**Date Collected:**	08/26/2013
Sample Matrix:	Water	**Date Received:**	08/29/2013

Pentachlorophenol

Sample Name:	MW-2	**Units:**	ug/L
Lab Code:	K1308874-006	**Basis:**	NA
Extraction Method:	Method Mod	**Level:**	Low
Analysis Method:	8151M		

Analyte Name	Result	Q	MRL	MDL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Note
Pentachlorophenol	ND	U	0.50	0.16	1	08/30/13	09/11/13	KWG1309771	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
4-Bromo-2,6-dichlorophenol	78	33-114	09/11/13	Acceptable

Comments:

ALS Group USA, Corp. dba ALS Environmental

Analytical Results

Client:	JH Baxter & Company	**Service Request:**	K1308874
Project:	J.H. Baxter / Arlington	**Date Collected:**	08/25/2013
Sample Matrix:	Water	**Date Received:**	08/29/2013

Pentachlorophenol

Sample Name:	MW-22	**Units:**	ug/L
Lab Code:	K1308874-007	**Basis:**	NA
Extraction Method:	Method Mod	**Level:**	Low
Analysis Method:	8151M		

Analyte Name	Result	Q	MRL	MDL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Note
Pentachlorophenol	**130**	D	5.0	1.6	10	08/30/13	09/11/13	KWG1309771	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
4-Bromo-2,6-dichlorophenol	76	33-114	09/11/13	Acceptable

Comments:

ALS Group USA, Corp. dba ALS Environmental

Analytical Results

Client:	JH Baxter & Company	**Service Request:**	K1308874
Project:	J.H. Baxter / Arlington	**Date Collected:**	08/25/2013
Sample Matrix:	Water	**Date Received:**	08/29/2013

Pentachlorophenol

Sample Name:	MW-23	**Units:**	ug/L
Lab Code:	K1308874-008	**Basis:**	NA
Extraction Method:	Method Mod	**Level:**	Low
Analysis Method:	8151M		

Analyte Name	Result	Q	MRL	MDL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Note
Pentachlorophenol	**470**	D	50	16	100	08/30/13	09/12/13	KWG1309771	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
4-Bromo-2,6-dichlorophenol	74	33-114	09/11/13	Acceptable

Comments:

ALS Group USA, Corp. dba ALS Environmental

Analytical Results

Client:	JH Baxter & Company	**Service Request:**	K1308874
Project:	J.H. Baxter / Arlington	**Date Collected:**	08/25/2013
Sample Matrix:	Water	**Date Received:**	08/29/2013

Pentachlorophenol

Sample Name:	MW-24	**Units:**	ug/L
Lab Code:	K1308874-009	**Basis:**	NA
Extraction Method:	Method Mod	**Level:**	Low
Analysis Method:	8151M		

Analyte Name	Result	Q	MRL	MDL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Note
Pentachlorophenol	95	D	5.0	1.6	10	08/30/13	09/12/13	KWG1309771	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
4-Bromo-2,6-dichlorophenol	73	33-114	09/11/13	Acceptable

Comments:

Analytical Results

Client:	JH Baxter & Company	**Service Request:**	K1308874
Project:	J.H. Baxter / Arlington	**Date Collected:**	08/25/2013
Sample Matrix:	Water	**Date Received:**	08/29/2013

Pentachlorophenol

Sample Name:	MW-25	**Units:**	ug/L
Lab Code:	K1308874-010	**Basis:**	NA
Extraction Method:	Method Mod	**Level:**	Low
Analysis Method:	8151M		

Analyte Name	Result	Q	MRL	MDL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Note
Pentachlorophenol	670	D	25	8.0	50	08/30/13	09/12/13	KWG1309771	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
4-Bromo-2,6-dichlorophenol	76	33-114	09/11/13	Acceptable

Comments:

ALS Group USA, Corp. dba ALS Environmental

Analytical Results

Client:	JH Baxter & Company	**Service Request:**	K1308874
Project:	J.H. Baxter / Arlington	**Date Collected:**	08/25/2013
Sample Matrix:	Water	**Date Received:**	08/29/2013

Pentachlorophenol

Sample Name:	MW-26	**Units:**	ug/L
Lab Code:	K1308874-011	**Basis:**	NA
Extraction Method:	Method Mod	**Level:**	Low
Analysis Method:	8151M		

Analyte Name	Result	Q	MRL	MDL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Note
Pentachlorophenol	**0.27**	J	0.50	0.16	1	08/30/13	09/11/13	KWG1309771	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
4-Bromo-2,6-dichlorophenol	75	33-114	09/11/13	Acceptable

Comments:

ALS Group USA, Corp. dba ALS Environmental

Analytical Results

Client:	JH Baxter & Company	**Service Request:**	K1308874
Project:	J.H. Baxter / Arlington	**Date Collected:**	08/25/2013
Sample Matrix:	Water	**Date Received:**	08/29/2013

Pentachlorophenol

Sample Name:	MW-27	**Units:**	ug/L
Lab Code:	K1308874-012	**Basis:**	NA
Extraction Method:	Method Mod	**Level:**	Low
Analysis Method:	8151M		

Analyte Name	Result	Q	MRL	MDL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Note
Pentachlorophenol	**0.30**	JP	0.50	0.16	1	08/30/13	09/11/13	KWG1309771	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
4-Bromo-2,6-dichlorophenol	70	33-114	09/11/13	Acceptable

Comments:

ALS Group USA, Corp. dba ALS Environmental

Analytical Results

Client:	JH Baxter & Company	**Service Request:**	K1308874
Project:	J.H. Baxter / Arlington	**Date Collected:**	08/26/2013
Sample Matrix:	Water	**Date Received:**	08/29/2013

Pentachlorophenol

Sample Name:	MW-28	**Units:**	ug/L
Lab Code:	K1308874-013	**Basis:**	NA
Extraction Method:	Method Mod	**Level:**	Low
Analysis Method:	8151M		

Analyte Name	Result	Q	MRL	MDL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Note
Pentachlorophenol	**21**		0.50	0.16	1	08/30/13	09/11/13	KWG1309771	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
4-Bromo-2,6-dichlorophenol	76	33-114	09/11/13	Acceptable

Comments:

Analytical Results

Client:	JH Baxter & Company	**Service Request:**	K1308874
Project:	J.H. Baxter / Arlington	**Date Collected:**	08/26/2013
Sample Matrix:	Water	**Date Received:**	08/29/2013

Pentachlorophenol

Sample Name:	MW-29	**Units:**	ug/L
Lab Code:	K1308874-014	**Basis:**	NA
Extraction Method:	Method Mod	**Level:**	Low
Analysis Method:	8151M		

Analyte Name	Result	Q	MRL	MDL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Note
Pentachlorophenol	41	D	5.0	1.6	10	08/30/13	09/12/13	KWG1309771	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
4-Bromo-2,6-dichlorophenol	78	33-114	09/11/13	Acceptable

Comments:

ALS Group USA, Corp. dba ALS Environmental

Analytical Results

Client:	JH Baxter & Company	**Service Request:**	K1308874
Project:	J.H. Baxter / Arlington	**Date Collected:**	08/26/2013
Sample Matrix:	Water	**Date Received:**	08/29/2013

Pentachlorophenol

Sample Name:	MW-30	**Units:**	ug/L
Lab Code:	K1308874-015	**Basis:**	NA
Extraction Method:	Method Mod	**Level:**	Low
Analysis Method:	8151M		

Analyte Name	Result	Q	MRL	MDL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Note
Pentachlorophenol	ND	Ui	0.50	0.18	1	08/30/13	09/11/13	KWG1309771	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
4-Bromo-2,6-dichlorophenol	77	33-114	09/11/13	Acceptable

Comments:

ALS Group USA, Corp. dba ALS Environmental

Analytical Results

Client:	JH Baxter & Company	**Service Request:**	K1308874
Project:	J.H. Baxter / Arlington	**Date Collected:**	08/26/2013
Sample Matrix:	Water	**Date Received:**	08/29/2013

Pentachlorophenol

Sample Name:	MW-31	**Units:**	ug/L
Lab Code:	K1308874-016	**Basis:**	NA
Extraction Method:	Method Mod	**Level:**	Low
Analysis Method:	8151M		

Analyte Name	Result	Q	MRL	MDL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Note
Pentachlorophenol	**0.25**	J	0.50	0.16	1	08/30/13	09/11/13	KWG1309771	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
4-Bromo-2,6-dichlorophenol	77	33-114	09/11/13	Acceptable

Comments:

ALS Group USA, Corp. dba ALS Environmental

Analytical Results

Client:	JH Baxter & Company	**Service Request:**	K1308874
Project:	J.H. Baxter / Arlington	**Date Collected:**	08/25/2013
Sample Matrix:	Water	**Date Received:**	08/29/2013

Pentachlorophenol

Sample Name:	MW-32	**Units:**	ug/L
Lab Code:	K1308874-017	**Basis:**	NA
Extraction Method:	Method Mod	**Level:**	Low
Analysis Method:	8151M		

Analyte Name	Result	Q	MRL	MDL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Note
Pentachlorophenol	570	D	25	8.0	50	08/30/13	09/12/13	KWG1309771	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
4-Bromo-2,6-dichlorophenol	76	33-114	09/11/13	Acceptable

Comments:

Analytical Results

Client:	JH Baxter & Company	**Service Request:**	K1308874
Project:	J.H. Baxter / Arlington	**Date Collected:**	08/25/2013
Sample Matrix:	Water	**Date Received:**	08/29/2013

Pentachlorophenol

Sample Name:	MW-33	**Units:**	ug/L
Lab Code:	K1308874-018	**Basis:**	NA
Extraction Method:	Method Mod	**Level:**	Low
Analysis Method:	8151M		

Analyte Name	Result	Q	MRL	MDL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Note
Pentachlorophenol	**8.3**		0.50	0.16	1	08/30/13	09/11/13	KWG1309771	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
4-Bromo-2,6-dichlorophenol	85	33-114	09/11/13	Acceptable

Comments:

ALS Group USA, Corp. dba ALS Environmental

Analytical Results

Client:	JH Baxter & Company	**Service Request:**	K1308874
Project:	J.H. Baxter / Arlington	**Date Collected:**	08/26/2013
Sample Matrix:	Water	**Date Received:**	08/29/2013

Pentachlorophenol

Sample Name:	MW-34	**Units:**	ug/L
Lab Code:	K1308874-019	**Basis:**	NA
Extraction Method:	Method Mod	**Level:**	Low
Analysis Method:	8151M		

Analyte Name	Result	Q	MRL	MDL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Note
Pentachlorophenol	**180**	D	5.0	1.6	10	08/30/13	09/12/13	KWG1309771	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
4-Bromo-2,6-dichlorophenol	74	33-114	09/11/13	Acceptable

Comments:

Analytical Results

Client:	JH Baxter & Company	**Service Request:**	K1308874
Project:	J.H. Baxter / Arlington	**Date Collected:**	08/25/2013
Sample Matrix:	Water	**Date Received:**	08/29/2013

Pentachlorophenol

Sample Name:	MW-35	**Units:**	ug/L
Lab Code:	K1308874-020	**Basis:**	NA
Extraction Method:	Method Mod	**Level:**	Low
Analysis Method:	8151M		

Analyte Name	Result	Q	MRL	MDL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Note
Pentachlorophenol	ND	Ui	0.50	0.23	1	08/30/13	09/11/13	KWG1309771	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
4-Bromo-2,6-dichlorophenol	84	33-114	09/11/13	Acceptable

Comments:

ALS Group USA, Corp. dba ALS Environmental

Analytical Results

Client:	JH Baxter & Company	**Service Request:**	K1308874
Project:	J.H. Baxter / Arlington	**Date Collected:**	08/25/2013
Sample Matrix:	Water	**Date Received:**	08/29/2013

Pentachlorophenol

Sample Name:	MW-36	**Units:**	ug/L
Lab Code:	K1308874-021	**Basis:**	NA
Extraction Method:	Method	**Level:**	Low
Analysis Method:	8151M		

Analyte Name	Result	Q	MRL	MDL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Note
Pentachlorophenol	**130**	D	5.0	1.6	10	08/30/13	09/10/13	KWG1309481	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
4-Bromo-2,6-dichlorophenol	76	33-114	09/05/13	Acceptable

Comments:

ALS Group USA, Corp. dba ALS Environmental

Analytical Results

Client:	JH Baxter & Company	**Service Request:**	K1308874
Project:	J.H. Baxter / Arlington	**Date Collected:**	08/26/2013
Sample Matrix:	Water	**Date Received:**	08/29/2013

Pentachlorophenol

Sample Name:	MW-37	**Units:**	ug/L
Lab Code:	K1308874-022	**Basis:**	NA
Extraction Method:	Method	**Level:**	Low
Analysis Method:	8151M		

Analyte Name	Result	Q	MRL	MDL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Note
Pentachlorophenol	**4.2**		0.50	0.16	1	08/30/13	09/05/13	KWG1309481	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
4-Bromo-2,6-dichlorophenol	69	33-114	09/05/13	Acceptable

Comments:

ALS Group USA, Corp. dba ALS Environmental

Analytical Results

Client: JH Baxter & Company
Project: J.H. Baxter / Arlington
Sample Matrix: Water

Service Request: K1308874
Date Collected: 08/26/2013
Date Received: 08/29/2013

Pentachlorophenol

Sample Name: MW-38
Lab Code: K1308874-023

Units: ug/L
Basis: NA

Extraction Method: Method
Analysis Method: 8151M

Level: Low

Analyte Name	Result	Q	MRL	MDL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Note
Pentachlorophenol	ND	Ui	0.50	0.19	1	08/30/13	09/05/13	KWG1309481	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
4-Bromo-2,6-dichlorophenol	76	33-114	09/05/13	Acceptable

Comments:

ALS Group USA, Corp. dba ALS Environmental

Analytical Results

Client:	JH Baxter & Company	**Service Request:**	K1308874
Project:	J.H. Baxter / Arlington	**Date Collected:**	08/26/2013
Sample Matrix:	Water	**Date Received:**	08/29/2013

Pentachlorophenol

Sample Name:	MW-39	**Units:**	ug/L
Lab Code:	K1308874-024	**Basis:**	NA
Extraction Method:	Method	**Level:**	Low
Analysis Method:	8151M		

Analyte Name	Result	Q	MRL	MDL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Note
Pentachlorophenol	**84**	D	5.0	1.6	10	08/30/13	09/09/13	KWG1309481	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
4-Bromo-2,6-dichlorophenol	80	33-114	09/05/13	Acceptable

Comments:

ALS Group USA, Corp. dba ALS Environmental

Analytical Results

Client:	JH Baxter & Company	**Service Request:**	K1308874
Project:	J.H. Baxter / Arlington	**Date Collected:**	08/25/2013
Sample Matrix:	Water	**Date Received:**	08/29/2013

Pentachlorophenol

Sample Name:	MW-40	**Units:**	ug/L
Lab Code:	K1308874-025	**Basis:**	NA
Extraction Method:	Method	**Level:**	Low
Analysis Method:	8151M		

Analyte Name	Result	Q	MRL	MDL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Note
Pentachlorophenol	470	D	25	8.0	50	08/30/13	09/09/13	KWG1309481	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
4-Bromo-2,6-dichlorophenol	78	33-114	09/05/13	Acceptable

Comments:

ALS Group USA, Corp. dba ALS Environmental

Analytical Results

Client:	JH Baxter & Company	**Service Request:**	K1308874
Project:	J.H. Baxter / Arlington	**Date Collected:**	08/25/2013
Sample Matrix:	Water	**Date Received:**	08/29/2013

Pentachlorophenol

Sample Name:	MW-41	**Units:**	ug/L
Lab Code:	K1308874-026	**Basis:**	NA
Extraction Method:	Method	**Level:**	Low
Analysis Method:	8151M		

Analyte Name	Result	Q	MRL	MDL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Note
Pentachlorophenol	**340**	D	13	4.0	25	08/30/13	09/10/13	KWG1309481	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
4-Bromo-2,6-dichlorophenol	76	33-114	09/05/13	Acceptable

Comments:

ALS Group USA, Corp. dba ALS Environmental

Analytical Results

Client:	JH Baxter & Company	**Service Request:**	K1308874
Project:	J.H. Baxter / Arlington	**Date Collected:**	08/26/2013
Sample Matrix:	Water	**Date Received:**	08/29/2013

Pentachlorophenol

Sample Name:	MW-42	**Units:**	ug/L
Lab Code:	K1308874-027	**Basis:**	NA
Extraction Method:	Method	**Level:**	Low
Analysis Method:	8151M		

Analyte Name	Result	Q	MRL	MDL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Note
Pentachlorophenol	**3.4**		0.50	0.16	1	08/30/13	09/05/13	KWG1309481	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
4-Bromo-2,6-dichlorophenol	68	33-114	09/05/13	Acceptable

Comments:

Analytical Results

Client:	JH Baxter & Company	**Service Request:**	K1308874
Project:	J.H. Baxter / Arlington	**Date Collected:**	08/26/2013
Sample Matrix:	Water	**Date Received:**	08/29/2013

Pentachlorophenol

Sample Name:	MW-43	**Units:**	ug/L
Lab Code:	K1308874-028	**Basis:**	NA
Extraction Method:	Method	**Level:**	Low
Analysis Method:	8151M		

Analyte Name	Result	Q	MRL	MDL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Note
Pentachlorophenol	ND	Ui	0.50	0.20	1	08/30/13	09/05/13	KWG1309481	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
4-Bromo-2,6-dichlorophenol	65	33-114	09/05/13	Acceptable

Comments:

ALS Group USA, Corp. dba ALS Environmental

Analytical Results

Client: JH Baxter & Company
Project: J.H. Baxter / Arlington
Sample Matrix: Water

Service Request: K1308874
Date Collected: 08/26/2013
Date Received: 08/29/2013

Pentachlorophenol

Sample Name: MW-44
Lab Code: K1308874-029

Units: ug/L
Basis: NA

Extraction Method: Method
Analysis Method: 8151M

Level: Low

Analyte Name	Result	Q	MRL	MDL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Note
Pentachlorophenol	87	D	2.5	0.80	5	08/30/13	09/09/13	KWG1309481	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
4-Bromo-2,6-dichlorophenol	69	33-114	09/05/13	Acceptable

Comments:

Analytical Results

Client:	JH Baxter & Company	**Service Request:**	K1308874
Project:	J.H. Baxter / Arlington	**Date Collected:**	08/27/2013
Sample Matrix:	Water	**Date Received:**	08/29/2013

Pentachlorophenol

Sample Name:	Field Blank Rinsate	**Units:**	ug/L
Lab Code:	K1308874-030	**Basis:**	NA
Extraction Method:	Method	**Level:**	Low
Analysis Method:	8151M		

Analyte Name	Result	Q	MRL	MDL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Note
Pentachlorophenol	ND	Ui	0.50	0.24	1	08/30/13	09/05/13	KWG1309481	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
4-Bromo-2,6-dichlorophenol	65	33-114	09/05/13	Acceptable

Comments:

ALS Group USA, Corp. dba ALS Environmental

Analytical Results

Client:	JH Baxter & Company	**Service Request:**	K1308874
Project:	J.H. Baxter / Arlington	**Date Collected:**	08/25/2013
Sample Matrix:	Water	**Date Received:**	08/29/2013

Pentachlorophenol

Sample Name:	MW-3	**Units:**	ug/L
Lab Code:	K1308874-031	**Basis:**	NA
Extraction Method:	Method	**Level:**	Low
Analysis Method:	8151M		

Analyte Name	Result	Q	MRL	MDL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Note
Pentachlorophenol	**85**	D	2.5	0.80	5	08/30/13	09/09/13	KWG1309481	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
4-Bromo-2,6-dichlorophenol	65	33-114	09/05/13	Acceptable

Comments:

ALS Group USA, Corp. dba ALS Environmental

Analytical Results

Client:	JH Baxter & Company	**Service Request:**	K1308874
Project:	J.H. Baxter / Arlington	**Date Collected:**	NA
Sample Matrix:	Water	**Date Received:**	NA

Pentachlorophenol

Sample Name:	Method Blank	**Units:**	ug/L
Lab Code:	KWG1309481-4	**Basis:**	NA
Extraction Method:	Method	**Level:**	Low
Analysis Method:	8151M		

Analyte Name	Result	Q	MRL	MDL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Note
Pentachlorophenol	ND	U	0.50	0.16	1	08/30/13	09/05/13	KWG1309481	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
4-Bromo-2,6-dichlorophenol	58	33-114	09/05/13	Acceptable

Comments:

ALS Group USA, Corp. dba ALS Environmental

Analytical Results

Client: JH Baxter & Company
Project: J.H. Baxter / Arlington
Sample Matrix: Water

Service Request: K1308874
Date Collected: NA
Date Received: NA

Pentachlorophenol

Sample Name: Method Blank
Lab Code: KWG1309771-4

Units: ug/L
Basis: NA

Extraction Method: Method Mod
Analysis Method: 8151M

Level: Low

Analyte Name	Result	Q	MRL	MDL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Note
Pentachlorophenol	ND	U	0.50	0.16	1	08/30/13	09/11/13	KWG1309771	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
4-Bromo-2,6-dichlorophenol	85	33-114	09/11/13	Acceptable

Comments:

Client: JH Baxter & Company
Project: J.H. Baxter / Arlington
Sample Matrix: Water

Service Request: K1308874

Surrogate Recovery Summary
Pentachlorophenol

Extraction Method: Method
Analysis Method: 8151M

Units: Percent
Level: Low

Sample Name	Lab Code	Sur1
Batch QC	K1308873-001	74
HCMW-7	K1308874-001	71
MW-15	K1308874-002	80
MW-16	K1308874-003	74
MW-17	K1308874-004	70
MW-18	K1308874-005	70
MW-2	K1308874-006	78
MW-22	K1308874-007	76
MW-23	K1308874-008	74
MW-24	K1308874-009	73
MW-25	K1308874-010	76
MW-26	K1308874-011	75
MW-27	K1308874-012	70
MW-28	K1308874-013	76
MW-29	K1308874-014	78
MW-30	K1308874-015	77
MW-31	K1308874-016	77
MW-32	K1308874-017	76
MW-33	K1308874-018	85
MW-34	K1308874-019	74
MW-35	K1308874-020	84
MW-36	K1308874-021	76
MW-37	K1308874-022	69
MW-38	K1308874-023	76
MW-39	K1308874-024	80
MW-40	K1308874-025	78
MW-41	K1308874-026	76
MW-42	K1308874-027	68
MW-43	K1308874-028	65
MW-44	K1308874-029	69
Field Blank Rinsate	K1308874-030	65
MW-3	K1308874-031	65
Method Blank	KWG1309481-4	58
Method Blank	KWG1309771-4	85

Surrogate Recovery Control Limits (%)

Sur1 = 4-Bromo-2,6-dichlorophenol 33-114

Results flagged with an asterisk (*) indicate values outside control criteria.
Results flagged with a pound (#) indicate the control criteria is not applicable.

Client: JH Baxter & Company
Project: J.H. Baxter / Arlington
Sample Matrix: Water

Service Request: K1308874

Surrogate Recovery Summary
Pentachlorophenol

Extraction Method: Method
Analysis Method: 8151M

Units: Percent
Level: Low

Sample Name	Lab Code	Sur1
Batch QCMS	KWG1309481-1	68
Batch QCDMS	KWG1309481-2	65
HCMW-7MS	KWG1309771-1	75
HCMW-7DMS	KWG1309771-2	76
Lab Control Sample	KWG1309481-3	63
Lab Control Sample	KWG1309771-3	78

Surrogate Recovery Control Limits (%)

Sur1 = 4-Bromo-2,6-dichlorophenol 33-114

Results flagged with an asterisk (*) indicate values outside control criteria.
Results flagged with a pound (#) indicate the control criteria is not applicable.

Client:	JH Baxter & Company	**Service Request:**	K1308874
Project:	J.H. Baxter / Arlington	**Date Extracted:**	08/30/2013
Sample Matrix:	Water	**Date Analyzed:**	09/09/2013

Matrix Spike/Duplicate Matrix Spike Summary
Pentachlorophenol

Sample Name:	Batch QC	**Units:**	ug/L
Lab Code:	K1308873-001	**Basis:**	NA
Extraction Method:	Method	**Level:**	Low
Analysis Method:	8151M	**Extraction Lot:**	KWG1309481

		Batch QCMS KWG1309481-1 Matrix Spike			Batch QCDMS KWG1309481-2 Duplicate Matrix Spike					
Analyte Name	**Sample Result**	**Result**	**Spike Amount**	**%Rec**	**Result**	**Spike Amount**	**%Rec**	**%Rec Limits**	**RPD**	**RPD Limit**
Pentachlorophenol	530	535	10.0	18 #	492	10.0	-414 #	40-106	8	30

Results flagged with an asterisk (*) indicate values outside control criteria.

Results flagged with a pound (#) indicate the control criteria is not applicable.

Percent recoveries and relative percent differences (RPD) are determined by the software using values in the calculation which have not been rounded.

ALS Group USA, Corp. dba ALS Environmental

QA/QC Report

Client:	JH Baxter & Company	**Service Request:**	K1308874
Project:	J.H. Baxter / Arlington	**Date Extracted:**	08/30/2013
Sample Matrix:	Water	**Date Analyzed:**	09/11/2013

Matrix Spike/Duplicate Matrix Spike Summary
Pentachlorophenol

Sample Name:	HCMW-7	**Units:**	ug/L
Lab Code:	K1308874-001	**Basis:**	NA
Extraction Method:	Method Mod	**Level:**	Low
Analysis Method:	8151M	**Extraction Lot:**	KWG1309771

		HCMW-7MS KWG1309771-1 Matrix Spike			HCMW-7DMS KWG1309771-2 Duplicate Matrix Spike					
Analyte Name	**Sample Result**	**Result**	**Spike Amount**	**%Rec**	**Result**	**Spike Amount**	**%Rec**	**%Rec Limits**	**RPD**	**RPD Limit**
Pentachlorophenol	ND	7.46	10.0	75	7.62	10.0	76	40-106	2	30

Results flagged with an asterisk (*) indicate values outside control criteria.

Results flagged with a pound (#) indicate the control criteria is not applicable.

Percent recoveries and relative percent differences (RPD) are determined by the software using values in the calculation which have not been rounded.

Client: JH Baxter & Company
Project: J.H. Baxter / Arlington
Sample Matrix: Water

Service Request: K1308874
Date Extracted: 08/30/2013
Date Analyzed: 09/05/2013

Lab Control Spike Summary
Pentachlorophenol

Extraction Method: Method
Analysis Method: 8151M

Units: ug/L
Basis: NA
Level: Low
Extraction Lot: KWG1309481

	Lab Control Sample KWG1309481-3 Lab Control Spike			
Analyte Name	**Result**	**Spike Amount**	**%Rec**	**%Rec Limits**
Pentachlorophenol	6.22	10.0	62	44-106

Results flagged with an asterisk (*) indicate values outside control criteria.

Percent recoveries and relative percent differences (RPD) are determined by the software using values in the calculation which have not been rounded.

ALS Group USA, Corp. dba ALS Environmental

QA/QC Report

Client:	JH Baxter & Company	**Service Request:**	K1308874
Project:	J.H. Baxter / Arlington	**Date Extracted:**	08/30/2013
Sample Matrix:	Water	**Date Analyzed:**	09/11/2013

Lab Control Spike Summary
Pentachlorophenol

Extraction Method:	Method Mod	**Units:**	ug/L
Analysis Method:	8151M	**Basis:**	NA
		Level:	Low
		Extraction Lot:	KWG1309771

	Lab Control Sample KWG1309771-3 Lab Control Spike			
Analyte Name	**Result**	**Spike Amount**	**%Rec**	**%Rec Limits**
Pentachlorophenol	7.39	10.0	74	44-106

Results flagged with an asterisk (*) indicate values outside control criteria.

Percent recoveries and relative percent differences (RPD) are determined by the software using values in the calculation which have not been rounded.

ALS Group USA, Corp. dba ALS Environmental

QA/QC Report

Client:	JH Baxter & Company	**Service Request:**	K1308874
Project:	J.H. Baxter / Arlington	**Date Extracted:**	08/30/2013
Sample Matrix:	Water	**Date Analyzed:**	09/05/2013
		Time Analyzed:	13:02

Method Blank Summary
Pentachlorophenol

Sample Name:	Method Blank	**Instrument ID:**	GC27
Lab Code:	KWG1309481-4	**File ID:**	J:\GC27\DATA\090513\0905F014.D
Extraction Method:	Method	**Level:**	Low
Analysis Method:	8151M	**Extraction Lot:**	KWG1309481

This Method Blank applies to the following analyses:

Sample Name	Lab Code	File ID	Date Analyzed	Time Analyzed
Batch QC	K1308873-001	J:\GC27\DATA\090413B\0904FB12.D	09/05/13	04:18
Batch QCMS	KWG1309481-1	J:\GC27\DATA\090413B\0904FB13.D	09/05/13	04:32
Batch QCDMS	KWG1309481-2	J:\GC27\DATA\090413B\0904FB14.D	09/05/13	04:47
MW-36	K1308874-021	J:\GC27\DATA\090413B\0904FB17.D	09/05/13	05:32
MW-37	K1308874-022	J:\GC27\DATA\090413B\0904FB18.D	09/05/13	05:47
MW-38	K1308874-023	J:\GC27\DATA\090413B\0904FB19.D	09/05/13	06:02
MW-39	K1308874-024	J:\GC27\DATA\090413B\0904FB20.D	09/05/13	06:17
MW-40	K1308874-025	J:\GC27\DATA\090413B\0904FB21.D	09/05/13	06:32
MW-41	K1308874-026	J:\GC27\DATA\090513\0905F006.D	09/05/13	11:02
MW-42	K1308874-027	J:\GC27\DATA\090513\0905F007.D	09/05/13	11:17
MW-43	K1308874-028	J:\GC27\DATA\090513\0905F008.D	09/05/13	11:32
MW-44	K1308874-029	J:\GC27\DATA\090513\0905F009.D	09/05/13	11:47
Field Blank Rinsate	K1308874-030	J:\GC27\DATA\090513\0905F010.D	09/05/13	12:02
MW-3	K1308874-031	J:\GC27\DATA\090513\0905F011.D	09/05/13	12:17
Lab Control Sample	KWG1309481-3	J:\GC27\DATA\090513\0905F013.D	09/05/13	12:47
Batch QC	K1308873-001	J:\GC27\DATA\090913\0909F008.D	09/09/13	19:04
Batch QCMS	KWG1309481-1	J:\GC27\DATA\090913\0909F009.D	09/09/13	19:19
Batch QCDMS	KWG1309481-2	J:\GC27\DATA\090913\0909F010.D	09/09/13	19:34
MW-39	K1308874-024	J:\GC27\DATA\090913\0909F014.D	09/09/13	20:34
MW-40	K1308874-025	J:\GC27\DATA\090913\0909F015.D	09/09/13	20:49
MW-44	K1308874-029	J:\GC27\DATA\090913\0909F017.D	09/09/13	21:19
MW-3	K1308874-031	J:\GC27\DATA\090913\0909F018.D	09/09/13	21:34
MW-36	K1308874-021	J:\GC27\DATA\091013B\0910B006.D	09/10/13	21:07
MW-41	K1308874-026	J:\GC27\DATA\091013B\0910B007.D	09/10/13	21:22

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QA/QC Report

Client: JH Baxter & Company
Project: J.H. Baxter / Arlington
Sample Matrix: Water

Service Request: K1308874
Date Extracted: 08/30/2013
Date Analyzed: 09/11/2013
Time Analyzed: 12:36

Method Blank Summary
Pentachlorophenol

Sample Name: Method Blank
Lab Code: KWG1309771-4

Extraction Method: Method Mod
Analysis Method: 8151M

Instrument ID: GC27
File ID: J:\GC27\DATA\091113\0911F015.D

Level: Low
Extraction Lot: KWG1309771

This Method Blank applies to the following analyses:

Sample Name	Lab Code	File ID	Date Analyzed	Time Analyzed
Lab Control Sample	KWG1309771-3	J:\GC27\DATA\091113\0911F014.D	09/11/13	12:21
HCMW-7	K1308874-001	J:\GC27\DATA\091113\0911F016.D	09/11/13	12:52
HCMW-7MS	KWG1309771-1	J:\GC27\DATA\091113\0911F017.D	09/11/13	13:07
HCMW-7DMS	KWG1309771-2	J:\GC27\DATA\091113\0911F018.D	09/11/13	13:22
MW-15	K1308874-002	J:\GC27\DATA\091113\0911F021.D	09/11/13	14:08
MW-16	K1308874-003	J:\GC27\DATA\091113\0911F022.D	09/11/13	14:24
MW-17	K1308874-004	J:\GC27\DATA\091113\0911F023.D	09/11/13	14:39
MW-18	K1308874-005	J:\GC27\DATA\091113\0911F024.D	09/11/13	14:54
MW-2	K1308874-006	J:\GC27\DATA\091113\0911F025.D	09/11/13	15:10
MW-22	K1308874-007	J:\GC27\DATA\091113\0911F026.D	09/11/13	15:25
MW-23	K1308874-008	J:\GC27\DATA\091113\0911F027.D	09/11/13	15:40
MW-24	K1308874-009	J:\GC27\DATA\091113\0911F028.D	09/11/13	15:56
MW-25	K1308874-010	J:\GC27\DATA\091113\0911F029.D	09/11/13	16:11
MW-26	K1308874-011	J:\GC27\DATA\091113\0911F030.D	09/11/13	16:26
MW-27	K1308874-012	J:\GC27\DATA\091113\0911F033.D	09/11/13	17:12
MW-28	K1308874-013	J:\GC27\DATA\091113\0911F034.D	09/11/13	17:28
MW-29	K1308874-014	J:\GC27\DATA\091113\0911F035.D	09/11/13	17:43
MW-30	K1308874-015	J:\GC27\DATA\091113\0911F036.D	09/11/13	17:58
MW-31	K1308874-016	J:\GC27\DATA\091113\0911F037.D	09/11/13	18:13
MW-32	K1308874-017	J:\GC27\DATA\091113\0911F038.D	09/11/13	18:29
MW-33	K1308874-018	J:\GC27\DATA\091113\0911F039.D	09/11/13	18:44
MW-34	K1308874-019	J:\GC27\DATA\091113\0911F040.D	09/11/13	18:59
MW-35	K1308874-020	J:\GC27\DATA\091113\0911F041.D	09/11/13	19:15
MW-22	K1308874-007	J:\GC27\DATA\091113A\0911A010.D	09/11/13	23:13
MW-24	K1308874-009	J:\GC27\DATA\091113A\0911A014.D	09/12/13	00:15
MW-25	K1308874-010	J:\GC27\DATA\091113A\0911A015.D	09/12/13	00:30
MW-29	K1308874-014	J:\GC27\DATA\091113A\0911A016.D	09/12/13	00:46
MW-32	K1308874-017	J:\GC27\DATA\091113A\0911A017.D	09/12/13	01:01
MW-34	K1308874-019	J:\GC27\DATA\091113A\0911A018.D	09/12/13	01:17
MW-23	K1308874-008	J:\GC27\DATA\091213A\0912A005.D	09/12/13	16:03

QA/QC Report

Client: JH Baxter & Company
Project: J.H. Baxter / Arlington
Sample Matrix: Water

Service Request: K1308874
Date Extracted: 08/30/2013
Date Analyzed: 09/05/2013
Time Analyzed: 12:47

Lab Control Sample Summary
Pentachlorophenol

Sample Name: Lab Control Sample
Lab Code: KWG1309481-3

Instrument ID: GC27
File ID: J:\GC27\DATA\090513\0905F013.D

Extraction Method: Method
Analysis Method: 8151M

Level: Low
Extraction Lot: KWG1309481

This Lab Control Sample applies to the following analyses:

Sample Name	Lab Code	File ID	Date Analyzed	Time Analyzed
Batch QC	K1308873-001	J:\GC27\DATA\090413B\0904FB12.D	09/05/13	04:18
Batch QCMS	KWG1309481-1	J:\GC27\DATA\090413B\0904FB13.D	09/05/13	04:32
Batch QCDMS	KWG1309481-2	J:\GC27\DATA\090413B\0904FB14.D	09/05/13	04:47
MW-36	K1308874-021	J:\GC27\DATA\090413B\0904FB17.D	09/05/13	05:32
MW-37	K1308874-022	J:\GC27\DATA\090413B\0904FB18.D	09/05/13	05:47
MW-38	K1308874-023	J:\GC27\DATA\090413B\0904FB19.D	09/05/13	06:02
MW-39	K1308874-024	J:\GC27\DATA\090413B\0904FB20.D	09/05/13	06:17
MW-40	K1308874-025	J:\GC27\DATA\090413B\0904FB21.D	09/05/13	06:32
MW-41	K1308874-026	J:\GC27\DATA\090513\0905F006.D	09/05/13	11:02
MW-42	K1308874-027	J:\GC27\DATA\090513\0905F007.D	09/05/13	11:17
MW-43	K1308874-028	J:\GC27\DATA\090513\0905F008.D	09/05/13	11:32
MW-44	K1308874-029	J:\GC27\DATA\090513\0905F009.D	09/05/13	11:47
Field Blank Rinsate	K1308874-030	J:\GC27\DATA\090513\0905F010.D	09/05/13	12:02
MW-3	K1308874-031	J:\GC27\DATA\090513\0905F011.D	09/05/13	12:17
Method Blank	KWG1309481-4	J:\GC27\DATA\090513\0905F014.D	09/05/13	13:02
Batch QC	K1308873-001	J:\GC27\DATA\090913\0909F008.D	09/09/13	19:04
Batch QCMS	KWG1309481-1	J:\GC27\DATA\090913\0909F009.D	09/09/13	19:19
Batch QCDMS	KWG1309481-2	J:\GC27\DATA\090913\0909F010.D	09/09/13	19:34
MW-39	K1308874-024	J:\GC27\DATA\090913\0909F014.D	09/09/13	20:34
MW-40	K1308874-025	J:\GC27\DATA\090913\0909F015.D	09/09/13	20:49
MW-44	K1308874-029	J:\GC27\DATA\090913\0909F017.D	09/09/13	21:19
MW-3	K1308874-031	J:\GC27\DATA\090913\0909F018.D	09/09/13	21:34
MW-36	K1308874-021	J:\GC27\DATA\091013B\0910B006.D	09/10/13	21:07
MW-41	K1308874-026	J:\GC27\DATA\091013B\0910B007.D	09/10/13	21:22

ALS Group USA, Corp. dba ALS Environmental

QA/QC Report

Client: JH Baxter & Company
Project: J.H. Baxter / Arlington
Sample Matrix: Water

Service Request: K1308874
Date Extracted: 08/30/2013
Date Analyzed: 09/11/2013
Time Analyzed: 12:21

Lab Control Sample Summary
Pentachlorophenol

Sample Name: Lab Control Sample
Lab Code: KWG1309771-3

Instrument ID: GC27
File ID: J:\GC27\DATA\091113\0911F014.D

Extraction Method: Method Mod
Analysis Method: 8151M

Level: Low
Extraction Lot: KWG1309771

This Lab Control Sample applies to the following analyses:

Sample Name	Lab Code	File ID	Date Analyzed	Time Analyzed
Method Blank	KWG1309771-4	J:\GC27\DATA\091113\0911F015.D	09/11/13	12:36
HCMW-7	K1308874-001	J:\GC27\DATA\091113\0911F016.D	09/11/13	12:52
HCMW-7MS	KWG1309771-1	J:\GC27\DATA\091113\0911F017.D	09/11/13	13:07
HCMW-7DMS	KWG1309771-2	J:\GC27\DATA\091113\0911F018.D	09/11/13	13:22
MW-15	K1308874-002	J:\GC27\DATA\091113\0911F021.D	09/11/13	14:08
MW-16	K1308874-003	J:\GC27\DATA\091113\0911F022.D	09/11/13	14:24
MW-17	K1308874-004	J:\GC27\DATA\091113\0911F023.D	09/11/13	14:39
MW-18	K1308874-005	J:\GC27\DATA\091113\0911F024.D	09/11/13	14:54
MW-2	K1308874-006	J:\GC27\DATA\091113\0911F025.D	09/11/13	15:10
MW-22	K1308874-007	J:\GC27\DATA\091113\0911F026.D	09/11/13	15:25
MW-23	K1308874-008	J:\GC27\DATA\091113\0911F027.D	09/11/13	15:40
MW-24	K1308874-009	J:\GC27\DATA\091113\0911F028.D	09/11/13	15:56
MW-25	K1308874-010	J:\GC27\DATA\091113\0911F029.D	09/11/13	16:11
MW-26	K1308874-011	J:\GC27\DATA\091113\0911F030.D	09/11/13	16:26
MW-27	K1308874-012	J:\GC27\DATA\091113\0911F033.D	09/11/13	17:12
MW-28	K1308874-013	J:\GC27\DATA\091113\0911F034.D	09/11/13	17:28
MW-29	K1308874-014	J:\GC27\DATA\091113\0911F035.D	09/11/13	17:43
MW-30	K1308874-015	J:\GC27\DATA\091113\0911F036.D	09/11/13	17:58
MW-31	K1308874-016	J:\GC27\DATA\091113\0911F037.D	09/11/13	18:13
MW-32	K1308874-017	J:\GC27\DATA\091113\0911F038.D	09/11/13	18:29
MW-33	K1308874-018	J:\GC27\DATA\091113\0911F039.D	09/11/13	18:44
MW-34	K1308874-019	J:\GC27\DATA\091113\0911F040.D	09/11/13	18:59
MW-35	K1308874-020	J:\GC27\DATA\091113\0911F041.D	09/11/13	19:15
MW-22	K1308874-007	J:\GC27\DATA\091113A\0911A010.D	09/11/13	23:13
MW-24	K1308874-009	J:\GC27\DATA\091113A\0911A014.D	09/12/13	00:15
MW-25	K1308874-010	J:\GC27\DATA\091113A\0911A015.D	09/12/13	00:30
MW-29	K1308874-014	J:\GC27\DATA\091113A\0911A016.D	09/12/13	00:46
MW-32	K1308874-017	J:\GC27\DATA\091113A\0911A017.D	09/12/13	01:01
MW-34	K1308874-019	J:\GC27\DATA\091113A\0911A018.D	09/12/13	01:17
MW-23	K1308874-008	J:\GC27\DATA\091213A\0912A005.D	09/12/13	16:03

Client: JH Baxter & Company
Project: J.H. Baxter / Arlington

Service Request: K1308874
Calibration Date: 08/29/2013

Initial Calibration Summary
Pentachlorophenol

Calibration ID: CAL12742
Instrument ID: GC27

Column: Rtx-5

Level ID	File ID	Level ID	File ID
A	J:\GC27\DATA\082913P\0829F006.D	G	J:\GC27\DATA\082913P\0829F012.D
B	J:\GC27\DATA\082913P\0829F007.D	H	J:\GC27\DATA\082913P\0829F013.D
C	J:\GC27\DATA\082913P\0829F008.D	I	J:\GC27\DATA\082913P\0829F014.D
D	J:\GC27\DATA\082913P\0829F009.D	J	J:\GC27\DATA\082913P\0829F015.D
E	J:\GC27\DATA\082913P\0829F010.D		
F	J:\GC27\DATA\082913P\0829F011.D		

Analyte Name	Level ID	Amt	RF	Level ID	Amt	RF	Level ID	Amt	RF	Level ID	Amt	RF	Level ID	Amt	RF
Pentachlorophenol	A	0.95	2.95E+6	B	2.4	2.71E+6	C	4.8	2.68E+6	D	9.5	2.71E+6	E	24	2.40E+6
	F	48	2.22E+6	G	71	2.26E+6	H	95	2.25E+6	I	120	2.22E+6	J	140	2.21E+6
4-Bromo-2,6-dichlorophenol	A	1.0	2.04E+6	B	2.5	1.99E+6	C	5.0	2.00E+6	D	10	2.05E+6	E	25	1.79E+6
	F	50	1.71E+6	G	75	1.78E+6	H	100	1.80E+6	I	130	1.79E+6	J	150	1.77E+6

Results flagged with an asterisk (*) indicate values outside control criteria.

Client: JH Baxter & Company
Project: J.H. Baxter / Arlington

Service Request: K1308874
Calibration Date: 08/29/2013

Initial Calibration Summary
Pentachlorophenol

Calibration ID: CAL12742
Instrument ID: GC27

Column: Rtx-5

Analyte Name	Compound Type	Calibration Evaluation					
		Fit Type	Eval.	Eval. Result	Q	Control Criteria	
Pentachlorophenol	MS	AverageRF	% RSD	11.2		≤20	
4-Bromo-2,6-dichlorophenol	SURR	AverageRF	% RSD	6.9		≤20	

Results flagged with an asterisk (*) indicate values outside control criteria.

Client: JH Baxter & Company
Project: J.H. Baxter / Arlington

Service Request: K1308874
Calibration Date: 08/29/2013
Date Analyzed: 08/29/2013

Second Source Calibration Verification
Pentachlorophenol

Calibration Type: External Standard
Analysis Method: 8151M

Calibration ID: CAL12742
Units: ug/L

File ID: J:\GC27\DATA\082913P\0829F016.D

Column ID: Rtx-5

Analyte Name	Expected	Result	Average RF	SSV RF	%D	%Drift	Criteria	Curve Fit
Pentachlorophenol	24	25	2460000	2620000	6	NA	± 20 %	AverageRF

Results flagged with an asterisk (*) indicate values outside control criteria.

† SPCC Compound

‡ CCC Compound

Client: JH Baxter & Company
Project: J.H. Baxter / Arlington

Service Request: K1308874
Calibration Date: 08/29/2013

Initial Calibration Summary
Pentachlorophenol

Calibration ID: CAL12742
Instrument ID: GC27

Column: Rtx-Dioxin 2

Level ID	File ID	Level ID	File ID
A	J:\GC27\DATA\082913P\0829F006.D\0829F006c.d	G	J:\GC27\DATA\082913P\0829F012.D\0829F012c.d
B	J:\GC27\DATA\082913P\0829F007.D\0829F007c.d	H	J:\GC27\DATA\082913P\0829F013.D\0829F013c.d
C	J:\GC27\DATA\082913P\0829F008.D\0829F008c.d	I	J:\GC27\DATA\082913P\0829F014.D\0829F014c.d
D	J:\GC27\DATA\082913P\0829F009.D\0829F009c.d	J	J:\GC27\DATA\082913P\0829F015.D\0829F015c.d
E	J:\GC27\DATA\082913P\0829F010.D\0829F010c.d		
F	J:\GC27\DATA\082913P\0829F011.D\0829F011c.d		

Analyte Name	Level ID	Amt	RF	Level ID	Amt	RF	Level ID	Amt	RF	Level ID	Amt	RF	Level ID	Amt	RF
Pentachlorophenol	A	0.95	1.46E+6	B	2.4	1.42E+6	C	4.8	1.37E+6	D	9.5	1.40E+6	E	24	1.19E+6
	F	48	1.12E+6	G	71	1.10E+6	H	95	1.11E+6	I	120	1.07E+6	J	140	1.06E+6
4-Bromo-2,6-dichlorophenol	A	1.0	8.32E+5	B	2.5	8.50E+5	C	5.0	8.69E+5	D	10	9.09E+5	E	25	8.15E+5
	F	50	7.73E+5	G	75	7.78E+5	H	100	7.88E+5	I	130	7.72E+5	J	150	7.60E+5

Results flagged with an asterisk (*) indicate values outside control criteria.

Client: JH Baxter & Company
Project: J.H. Baxter / Arlington

Service Request: K1308874
Calibration Date: 08/29/2013

Initial Calibration Summary
Pentachlorophenol

Calibration ID: CAL12742
Instrument ID: GC27

Column: Rtx-Dioxin 2

Analyte Name	Compound Type	Calibration Evaluation				
		Fit Type	Eval.	Eval. Result	Q	Control Criteria
Pentachlorophenol	MS	AverageRF	% RSD	13.2		≤ 20
4-Bromo-2,6-dichlorophenol	SURR	AverageRF	% RSD	6.1		≤ 20

Results flagged with an asterisk (*) indicate values outside control criteria.

ALS Group USA, Corp. dba ALS Environmental

QA/QC Results

Client: JH Baxter & Company
Project: J.H. Baxter / Arlington

Service Request: K1308874
Calibration Date: 08/29/2013
Date Analyzed: 08/29/2013

Second Source Calibration Verification
Pentachlorophenol

Calibration Type: External Standard
Analysis Method: 8151M

Calibration ID: CAL12742
Units: ug/L

File ID: J:\GC27\DATA\082913P\0829F016.D\0829F016c.d

Column ID: Rtx-Dioxin 2

Analyte Name	Expected	Result	Average RF	SSV RF	%D	%Drift	Criteria	Curve Fit
Pentachlorophenol	24	25	1230000	1310000	6	NA	± 20 %	AverageRF

Results flagged with an asterisk (*) indicate values outside control criteria.

† **SPCC Compound** ‡ **CCC Compound**

Client: JH Baxter & Company
Project: J.H. Baxter / Arlington

Service Request: K1308874
Date Analyzed: 09/05/2013

Continuing Calibration Verification Summary
Pentachlorophenol

Calibration Type: External Standard
Analysis Method: 8151M

Calibration Date: 08/29/2013
Calibration ID: CAL12742
Analysis Lot: KWG1309795
Units: ug/L

File ID: J:\GC27\DATA\090413B\0904FB03.D

Column ID: Rtx-5

Analyte Name	Expected	Result	Average RF	CCV RF	%D	%Drift	Criteria	Curve Fit
Pentachlorophenol	48	46	2460000	2370000	-4	NA	± 20 %	AverageRF
4-Bromo-2,6-dichlorophenol	50	48	1870000	1780000	-5	NA	± 20 %	AverageRF

Results flagged with an asterisk (*) indicate values outside control criteria.

ALS Group USA, Corp. dba ALS Environmental

QA/QC Results

Client: JH Baxter & Company
Project: J.H. Baxter / Arlington

Service Request: K1308874
Date Analyzed: 09/05/2013

Continuing Calibration Verification Summary
Pentachlorophenol

Calibration Type: External Standard
Analysis Method: 8151M

Calibration Date: 08/29/2013
Calibration ID: CAL12742
Analysis Lot: KWG1309795
Units: ug/L

File ID: J:\GC27\DATA\090413B\0904FB03.D\0904FB03C.D

Column ID: Rtx-Dioxin 2

Analyte Name	Expected	Result	Average RF	CCV RF	%D	%Drift	Criteria	Curve Fit
Pentachlorophenol	48	45	1230000	1170000	-5	NA	± 20 %	AverageRF
4-Bromo-2,6-dichlorophenol	50	48	815000	785000	-4	NA	± 20 %	AverageRF

Results flagged with an asterisk (*) indicate values outside control criteria.

QA/QC Results

Client: JH Baxter & Company
Project: J.H. Baxter / Arlington

Service Request: K1308874
Date Analyzed: 09/05/2013

Continuing Calibration Verification Summary
Pentachlorophenol

Calibration Type: External Standard
Analysis Method: 8151M

Calibration Date: 08/29/2013
Calibration ID: CAL12742
Analysis Lot: KWG1309795
Units: ug/L

File ID: J:\GC27\DATA\090413B\0904FB15.D

Column ID: Rtx-5

Analyte Name	Expected	Result	Average RF	CCV RF	%D	%Drift	Criteria	Curve Fit
Pentachlorophenol	48	43	2460000	2240000	-9	NA	± 20 %	AverageRF
4-Bromo-2,6-dichlorophenol	50	44	1870000	1640000	-12	NA	± 20 %	AverageRF

Results flagged with an asterisk (*) indicate values outside control criteria.

ALS Group USA, Corp. dba ALS Environmental

QA/QC Results

Client: JH Baxter & Company
Project: J.H. Baxter / Arlington

Service Request: K1308874
Date Analyzed: 09/05/2013

Continuing Calibration Verification Summary
Pentachlorophenol

Calibration Type: External Standard
Analysis Method: 8151M

Calibration Date: 08/29/2013
Calibration ID: CAL12742
Analysis Lot: KWG1309795
Units: ug/L

File ID: J:\GC27\DATA\090413B\0904FB15.D\0904FB15C.D

Column ID: Rtx-Dioxin 2

Analyte Name	Expected	Result	Average RF	CCV RF	%D	%Drift	Criteria	Curve Fit
Pentachlorophenol	48	43	1230000	1110000	-9	NA	± 20 %	AverageRF
4-Bromo-2,6-dichlorophenol	50	47	815000	758000	-7	NA	± 20 %	AverageRF

Results flagged with an asterisk (*) indicate values outside control criteria.

Client: JH Baxter & Company
Project: J.H. Baxter / Arlington

Service Request: K1308874
Date Analyzed: 09/05/2013

Continuing Calibration Verification Summary
Pentachlorophenol

Calibration Type: External Standard
Analysis Method: 8151M

Calibration Date: 08/29/2013
Calibration ID: CAL12742
Analysis Lot: KWG1309795
Units: ug/L

File ID: J:\GC27\DATA\090413B\0904FB22.D

Column ID: Rtx-5

Analyte Name	Expected	Result	Average RF	CCV RF	%D	%Drift	Criteria	Curve Fit
Pentachlorophenol	48	45	2460000	2350000	-5	NA	± 20 %	AverageRF
4-Bromo-2,6-dichlorophenol	50	46	1870000	1730000	-8	NA	± 20 %	AverageRF

Results flagged with an asterisk (*) indicate values outside control criteria.

ALS Group USA, Corp. dba ALS Environmental

QA/QC Results

Client: JH Baxter & Company
Project: J.H. Baxter / Arlington

Service Request: K1308874
Date Analyzed: 09/05/2013

Continuing Calibration Verification Summary
Pentachlorophenol

Calibration Type: External Standard
Analysis Method: 8151M

Calibration Date: 08/29/2013
Calibration ID: CAL12742
Analysis Lot: KWG1309795
Units: ug/L

File ID: J:\GC27\DATA\090413B\0904FB22.D\0904FB22C.D

Column ID: Rtx-Dioxin 2

Analyte Name	Expected	Result	Average RF	CCV RF	%D	%Drift	Criteria	Curve Fit
Pentachlorophenol	48	45	1230000	1170000	-5	NA	± 20 %	AverageRF
4-Bromo-2,6-dichlorophenol	50	48	815000	785000	-4	NA	± 20 %	AverageRF

Results flagged with an asterisk (*) indicate values outside control criteria.

Client: JH Baxter & Company
Project: J.H. Baxter / Arlington

Service Request: K1308874
Date Analyzed: 09/05/2013

Continuing Calibration Verification Summary
Pentachlorophenol

Calibration Type: External Standard
Analysis Method: 8151M

Calibration Date: 08/29/2013
Calibration ID: CAL12742
Analysis Lot: KWG1309804
Units: ug/L

File ID: J:\GC27\DATA\090513\0905F004.D

Column ID: Rtx-5

Analyte Name	Expected	Result	Average RF	CCV RF	%D	%Drift	Criteria	Curve Fit
Pentachlorophenol	48	47	2460000	2420000	-2	NA	± 20 %	AverageRF
4-Bromo-2,6-dichlorophenol	50	48	1870000	1800000	-4	NA	± 20 %	AverageRF

Results flagged with an asterisk (*) indicate values outside control criteria.

Client: JH Baxter & Company
Project: J.H. Baxter / Arlington

Service Request: K1308874
Date Analyzed: 09/05/2013

Continuing Calibration Verification Summary
Pentachlorophenol

Calibration Type: External Standard
Analysis Method: 8151M

Calibration Date: 08/29/2013
Calibration ID: CAL12742
Analysis Lot: KWG1309804
Units: ug/L

File ID: J:\GC27\DATA\090513\0905F004.D\0905F004C.D

Column ID: Rtx-Dioxin 2

Analyte Name	Expected	Result	Average RF	CCV RF	%D	%Drift	Criteria	Curve Fit
Pentachlorophenol	48	46	1230000	1190000	-3	NA	± 20 %	AverageRF
4-Bromo-2,6-dichlorophenol	50	48	815000	788000	-3	NA	± 20 %	AverageRF

Results flagged with an asterisk (*) indicate values outside control criteria.

Client: JH Baxter & Company
Project: J.H. Baxter / Arlington

Service Request: K1308874
Date Analyzed: 09/05/2013

Continuing Calibration Verification Summary
Pentachlorophenol

Calibration Type: External Standard
Analysis Method: 8151M

Calibration Date: 08/29/2013
Calibration ID: CAL12742
Analysis Lot: KWG1309804
Units: ug/L

File ID: J:\GC27\DATA\090513\0905F015.D

Column ID: Rtx-5

Analyte Name	Expected	Result	Average RF	CCV RF	%D	%Drift	Criteria	Curve Fit
Pentachlorophenol	48	45	2460000	2310000	-6	NA	± 20 %	AverageRF
4-Bromo-2,6-dichlorophenol	50	44	1870000	1640000	-13	NA	± 20 %	AverageRF

Results flagged with an asterisk (*) indicate values outside control criteria.

ALS Group USA, Corp. dba ALS Environmental

QA/QC Results

Client: JH Baxter & Company
Project: J.H. Baxter / Arlington

Service Request: K1308874
Date Analyzed: 09/05/2013

Continuing Calibration Verification Summary
Pentachlorophenol

Calibration Type: External Standard
Analysis Method: 8151M

Calibration Date: 08/29/2013
Calibration ID: CAL12742
Analysis Lot: KWG1309804
Units: ug/L

File ID: J:\GC27\DATA\090513\0905F015.D\0905F015C.D

Column ID: Rtx-Dioxin 2

Analyte Name	Expected	Result	Average RF	CCV RF	%D	%Drift	Criteria	Curve Fit
Pentachlorophenol	48	43	1230000	1110000	-10	NA	± 20 %	AverageRF
4-Bromo-2,6-dichlorophenol	50	47	815000	760000	-7	NA	± 20 %	AverageRF

Results flagged with an asterisk (*) indicate values outside control criteria.

Client: JH Baxter & Company
Project: J.H. Baxter / Arlington

Service Request: K1308874
Date Analyzed: 09/09/2013

Continuing Calibration Verification Summary
Pentachlorophenol

Calibration Type: External Standard
Analysis Method: 8151M

Calibration Date: 08/29/2013
Calibration ID: CAL12742
Analysis Lot: KWG1309814
Units: ug/L

File ID: J:\GC27\DATA\090913\0909F004.D

Column ID: Rtx-5

Analyte Name	Expected	Result	Average RF	CCV RF	%D	%Drift	Criteria	Curve Fit
Pentachlorophenol	48	45	2460000	2310000	-6	NA	± 20 %	AverageRF
4-Bromo-2,6-dichlorophenol	50	46	1870000	1720000	-8	NA	± 20 %	AverageRF

Results flagged with an asterisk (*) indicate values outside control criteria.

ALS Group USA, Corp. dba ALS Environmental

QA/QC Results

Client: JH Baxter & Company
Project: J.H. Baxter / Arlington

Service Request: K1308874
Date Analyzed: 09/09/2013

Continuing Calibration Verification Summary
Pentachlorophenol

Calibration Type: External Standard
Analysis Method: 8151M

Calibration Date: 08/29/2013
Calibration ID: CAL12742
Analysis Lot: KWG1309814
Units: ug/L

File ID: J:\GC27\DATA\090913\0909F004.D\0909F004C.D

Column ID: Rtx-Dioxin 2

Analyte Name	Expected	Result	Average RF	CCV RF	%D	%Drift	Criteria	Curve Fit
Pentachlorophenol	48	45	1230000	1170000	-5	NA	± 20 %	AverageRF
4-Bromo-2,6-dichlorophenol	50	48	815000	779000	-4	NA	± 20 %	AverageRF

Results flagged with an asterisk (*) indicate values outside control criteria.

Client: JH Baxter & Company
Project: J.H. Baxter / Arlington

Service Request: K1308874
Date Analyzed: 09/09/2013

Continuing Calibration Verification Summary
Pentachlorophenol

Calibration Type: External Standard
Analysis Method: 8151M

Calibration Date: 08/29/2013
Calibration ID: CAL12742
Analysis Lot: KWG1309814
Units: ug/L

File ID: J:\GC27\DATA\090913\0909F011.D

Column ID: Rtx-5

Analyte Name	Expected	Result	Average RF	CCV RF	%D	%Drift	Criteria	Curve Fit
Pentachlorophenol	48	44	2460000	2280000	-7	NA	± 20 %	AverageRF
4-Bromo-2,6-dichlorophenol	50	46	1870000	1730000	-7	NA	± 20 %	AverageRF

Results flagged with an asterisk (*) indicate values outside control criteria.

Client: JH Baxter & Company
Project: J.H. Baxter / Arlington

Service Request: K1308874
Date Analyzed: 09/09/2013

Continuing Calibration Verification Summary
Pentachlorophenol

Calibration Type: External Standard
Analysis Method: 8151M

Calibration Date: 08/29/2013
Calibration ID: CAL12742
Analysis Lot: KWG1309814
Units: ug/L

File ID: J:\GC27\DATA\090913\0909F011.D\0909F011C.D

Column ID: Rtx-Dioxin 2

Analyte Name	Expected	Result	Average RF	CCV RF	%D	%Drift	Criteria	Curve Fit
Pentachlorophenol	48	45	1230000	1170000	-5	NA	± 20 %	AverageRF
4-Bromo-2,6-dichlorophenol	50	49	815000	798000	-2	NA	± 20 %	AverageRF

Results flagged with an asterisk (*) indicate values outside control criteria.

Client: JH Baxter & Company
Project: J.H. Baxter / Arlington

Service Request: K1308874
Date Analyzed: 09/09/2013

Continuing Calibration Verification Summary
Pentachlorophenol

Calibration Type: External Standard
Analysis Method: 8151M

Calibration Date: 08/29/2013
Calibration ID: CAL12742
Analysis Lot: KWG1309814
Units: ug/L

File ID: J:\GC27\DATA\090913\0909F019.D

Column ID: Rtx-5

Analyte Name	Expected	Result	Average RF	CCV RF	%D	%Drift	Criteria	Curve Fit
Pentachlorophenol	48	44	2460000	2280000	-7	NA	± 20 %	AverageRF
4-Bromo-2,6-dichlorophenol	50	45	1870000	1700000	-9	NA	± 20 %	AverageRF

Results flagged with an asterisk (*) indicate values outside control criteria.

Client: JH Baxter & Company
Project: J.H. Baxter / Arlington

Service Request: K1308874
Date Analyzed: 09/09/2013

Continuing Calibration Verification Summary
Pentachlorophenol

Calibration Type: External Standard
Analysis Method: 8151M

Calibration Date: 08/29/2013
Calibration ID: CAL12742
Analysis Lot: KWG1309814
Units: ug/L

File ID: J:\GC27\DATA\090913\0909F019.D\0909F019C.D

Column ID: Rtx-Dioxin 2

Analyte Name	Expected	Result	Average RF	CCV RF	%D	%Drift	Criteria	Curve Fit
Pentachlorophenol	48	44	1230000	1150000	-7	NA	± 20 %	AverageRF
4-Bromo-2,6-dichlorophenol	50	48	815000	781000	-4	NA	± 20 %	AverageRF

Results flagged with an asterisk (*) indicate values outside control criteria.

Client: JH Baxter & Company
Project: J.H. Baxter / Arlington

Service Request: K1308874
Date Analyzed: 09/10/2013

Continuing Calibration Verification Summary
Pentachlorophenol

Calibration Type: External Standard
Analysis Method: 8151M

Calibration Date: 08/29/2013
Calibration ID: CAL12742
Analysis Lot: KWG1309824
Units: ug/L

File ID: J:\GC27\DATA\091013B\0910B004.D

Column ID: Rtx-5

Analyte Name	Expected	Result	Average RF	CCV RF	%D	%Drift	Criteria	Curve Fit
Pentachlorophenol	48	46	2460000	2360000	-4	NA	± 20 %	AverageRF
4-Bromo-2,6-dichlorophenol	50	47	1870000	1770000	-6	NA	± 20 %	AverageRF

Results flagged with an asterisk (*) indicate values outside control criteria.

ALS Group USA, Corp. dba ALS Environmental

QA/QC Results

Client: JH Baxter & Company
Project: J.H. Baxter / Arlington

Service Request: K1308874
Date Analyzed: 09/10/2013

Continuing Calibration Verification Summary
Pentachlorophenol

Calibration Type: External Standard
Analysis Method: 8151M

Calibration Date: 08/29/2013
Calibration ID: CAL12742
Analysis Lot: KWG1309824
Units: ug/L

File ID: J:\GC27\DATA\091013B\0910B004.D\0910B004C.D

Column ID: Rtx-Dioxin 2

Analyte Name	Expected	Result	Average RF	CCV RF	%D	%Drift	Criteria	Curve Fit
Pentachlorophenol	48	46	1230000	1190000	-3	NA	± 20 %	AverageRF
4-Bromo-2,6-dichlorophenol	50	49	815000	802000	-2	NA	± 20 %	AverageRF

Results flagged with an asterisk (*) indicate values outside control criteria.

Client: JH Baxter & Company
Project: J.H. Baxter / Arlington

Service Request: K1308874
Date Analyzed: 09/10/2013

Continuing Calibration Verification Summary
Pentachlorophenol

Calibration Type: External Standard
Analysis Method: 8151M

Calibration Date: 08/29/2013
Calibration ID: CAL12742
Analysis Lot: KWG1309824
Units: ug/L

File ID: J:\GC27\DATA\091013B\0910B008.D

Column ID: Rtx-5

Analyte Name	Expected	Result	Average RF	CCV RF	%D	%Drift	Criteria	Curve Fit
Pentachlorophenol	48	45	2460000	2350000	-5	NA	± 20 %	AverageRF
4-Bromo-2,6-dichlorophenol	50	47	1870000	1770000	-5	NA	± 20 %	AverageRF

Results flagged with an asterisk (*) indicate values outside control criteria.

ALS Group USA, Corp. dba ALS Environmental

QA/QC Results

Client: JH Baxter & Company
Project: J.H. Baxter / Arlington

Service Request: K1308874
Date Analyzed: 09/10/2013

Continuing Calibration Verification Summary
Pentachlorophenol

Calibration Type: External Standard
Analysis Method: 8151M

Calibration Date: 08/29/2013
Calibration ID: CAL12742
Analysis Lot: KWG1309824
Units: ug/L

File ID: J:\GC27\DATA\091013B\0910B008.D\0910B008C.D

Column ID: Rtx-Dioxin 2

Analyte Name	Expected	Result	Average RF	CCV RF	%D	%Drift	Criteria	Curve Fit
Pentachlorophenol	48	46	1230000	1190000	-3	NA	± 20 %	AverageRF
4-Bromo-2,6-dichlorophenol	50	51	815000	823000	1	NA	± 20 %	AverageRF

Results flagged with an asterisk (*) indicate values outside control criteria.

Client: JH Baxter & Company
Project: J.H. Baxter / Arlington

Service Request: K1308874
Date Analyzed: 09/11/2013

Continuing Calibration Verification Summary
Pentachlorophenol

Calibration Type: External Standard
Analysis Method: 8151M

Calibration Date: 08/29/2013
Calibration ID: CAL12742
Analysis Lot: KWG1309904
Units: ug/L

File ID: J:\GC27\DATA\091113\0911F004.D

Column ID: Rtx-5

Analyte Name	Expected	Result	Average RF	CCV RF	%D	%Drift	Criteria	Curve Fit
Pentachlorophenol	48	45	2460000	2320000	-6	NA	± 20 %	AverageRF
4-Bromo-2,6-dichlorophenol	50	47	1870000	1740000	-7	NA	± 20 %	AverageRF

Results flagged with an asterisk (*) indicate values outside control criteria.

Client: JH Baxter & Company
Project: J.H. Baxter / Arlington

Service Request: K1308874
Date Analyzed: 09/11/2013

Continuing Calibration Verification Summary
Pentachlorophenol

Calibration Type: External Standard
Analysis Method: 8151M

Calibration Date: 08/29/2013
Calibration ID: CAL12742
Analysis Lot: KWG1309904
Units: ug/L

File ID: J:\GC27\DATA\091113\0911F004.D\0911F004C.D

Column ID: Rtx-Dioxin 2

Analyte Name	Expected	Result	Average RF	CCV RF	%D	%Drift	Criteria	Curve Fit
Pentachlorophenol	48	45	1230000	1170000	-5	NA	± 20 %	AverageRF
4-Bromo-2,6-dichlorophenol	50	48	815000	787000	-3	NA	± 20 %	AverageRF

Results flagged with an asterisk (*) indicate values outside control criteria.

QA/QC Results

Client: JH Baxter & Company
Project: J.H. Baxter / Arlington

Service Request: K1308874
Date Analyzed: 09/11/2013

Continuing Calibration Verification Summary
Pentachlorophenol

Calibration Type: External Standard
Analysis Method: 8151M

Calibration Date: 08/29/2013
Calibration ID: CAL12742
Analysis Lot: KWG1309904
Units: ug/L

File ID: J:\GC27\DATA\091113\0911F019.D

Column ID: Rtx-5

Analyte Name	Expected	Result	Average RF	CCV RF	%D	%Drift	Criteria	Curve Fit
Pentachlorophenol	48	45	2460000	2310000	-6	NA	± 20 %	AverageRF
4-Bromo-2,6-dichlorophenol	50	44	1870000	1650000	-12	NA	± 20 %	AverageRF

Results flagged with an asterisk (*) indicate values outside control criteria.

ALS Group USA, Corp. dba ALS Environmental

QA/QC Results

Client: JH Baxter & Company
Project: J.H. Baxter / Arlington

Service Request: K1308874
Date Analyzed: 09/11/2013

Continuing Calibration Verification Summary
Pentachlorophenol

Calibration Type: External Standard
Analysis Method: 8151M

Calibration Date: 08/29/2013
Calibration ID: CAL12742
Analysis Lot: KWG1309904
Units: ug/L

File ID: J:\GC27\DATA\091113\0911F019.D\0911F019C.D

Column ID: Rtx-Dioxin 2

Analyte Name	Expected	Result	Average RF	CCV RF	%D	%Drift	Criteria	Curve Fit
Pentachlorophenol	48	43	1230000	1130000	-8	NA	± 20 %	AverageRF
4-Bromo-2,6-dichlorophenol	50	48	815000	779000	-4	NA	± 20 %	AverageRF

Results flagged with an asterisk (*) indicate values outside control criteria.

Client: JH Baxter & Company
Project: J.H. Baxter / Arlington

Service Request: K1308874
Date Analyzed: 09/11/2013

Continuing Calibration Verification Summary
Pentachlorophenol

Calibration Type: External Standard
Analysis Method: 8151M

Calibration Date: 08/29/2013
Calibration ID: CAL12742
Analysis Lot: KWG1309904
Units: ug/L

File ID: J:\GC27\DATA\091113\0911F031.D

Column ID: Rtx-5

Analyte Name	Expected	Result	Average RF	CCV RF	%D	%Drift	Criteria	Curve Fit
Pentachlorophenol	48	45	2460000	2320000	-6	NA	± 20 %	AverageRF
4-Bromo-2,6-dichlorophenol	50	41	1870000	1530000	-18	NA	± 20 %	AverageRF

Results flagged with an asterisk (*) indicate values outside control criteria.

ALS Group USA, Corp. dba ALS Environmental

QA/QC Results

Client: JH Baxter & Company
Project: J.H. Baxter / Arlington

Service Request: K1308874
Date Analyzed: 09/11/2013

Continuing Calibration Verification Summary
Pentachlorophenol

Calibration Type: External Standard
Analysis Method: 8151M

Calibration Date: 08/29/2013
Calibration ID: CAL12742
Analysis Lot: KWG1309904
Units: ug/L

File ID: J:\GC27\DATA\091113\0911F031.D\0911F031C.D

Column ID: Rtx-Dioxin 2

Analyte Name	Expected	Result	Average RF	CCV RF	%D	%Drift	Criteria	Curve Fit
Pentachlorophenol	48	43	1230000	1110000	-10	NA	± 20 %	AverageRF
4-Bromo-2,6-dichlorophenol	50	48	815000	780000	-4	NA	± 20 %	AverageRF

Results flagged with an asterisk (*) indicate values outside control criteria.

Client: JH Baxter & Company
Project: J.H. Baxter / Arlington

Service Request: K1308874
Date Analyzed: 09/11/2013

Continuing Calibration Verification Summary
Pentachlorophenol

Calibration Type: External Standard
Analysis Method: 8151M

Calibration Date: 08/29/2013
Calibration ID: CAL12742
Analysis Lot: KWG1309904
Units: ug/L

File ID: J:\GC27\DATA\091113\0911F042.D

Column ID: Rtx-5

Analyte Name	Expected	Result	Average RF	CCV RF	%D	%Drift	Criteria	Curve Fit
Pentachlorophenol	48	46	2460000	2400000	-3	NA	± 20 %	AverageRF
4-Bromo-2,6-dichlorophenol	50	46	1870000	1730000	-7	NA	± 20 %	AverageRF

Results flagged with an asterisk (*) indicate values outside control criteria.

ALS Group USA, Corp. dba ALS Environmental

QA/QC Results

Client: JH Baxter & Company
Project: J.H. Baxter / Arlington

Service Request: K1308874
Date Analyzed: 09/11/2013

Continuing Calibration Verification Summary
Pentachlorophenol

Calibration Type: External Standard
Analysis Method: 8151M

Calibration Date: 08/29/2013
Calibration ID: CAL12742
Analysis Lot: KWG1309904
Units: ug/L

File ID: J:\GC27\DATA\091113\0911F042.D\0911F042C.D

Column ID: Rtx-Dioxin 2

Analyte Name	Expected	Result	Average RF	CCV RF	%D	%Drift	Criteria	Curve Fit
Pentachlorophenol	48	45	1230000	1170000	-5	NA	± 20 %	AverageRF
4-Bromo-2,6-dichlorophenol	50	50	815000	809000	-1	NA	± 20 %	AverageRF

Results flagged with an asterisk (*) indicate values outside control criteria.

Client: JH Baxter & Company
Project: J.H. Baxter / Arlington

Service Request: K1308874
Date Analyzed: 09/11/2013

Continuing Calibration Verification Summary
Pentachlorophenol

Calibration Type: External Standard
Analysis Method: 8151M

Calibration Date: 08/29/2013
Calibration ID: CAL12742
Analysis Lot: KWG1309918
Units: ug/L

File ID: J:\GC27\DATA\091113A\0911A004.D

Column ID: Rtx-5

Analyte Name	Expected	Result	Average RF	CCV RF	%D	%Drift	Criteria	Curve Fit
Pentachlorophenol	48	45	2460000	2350000	-4	NA	± 20 %	AverageRF
4-Bromo-2,6-dichlorophenol	50	52	1870000	1930000	3	NA	± 20 %	AverageRF

Results flagged with an asterisk (*) indicate values outside control criteria.

ALS Group USA, Corp. dba ALS Environmental

QA/QC Results

Client: JH Baxter & Company
Project: J.H. Baxter / Arlington

Service Request: K1308874
Date Analyzed: 09/11/2013

Continuing Calibration Verification Summary
Pentachlorophenol

Calibration Type: External Standard
Analysis Method: 8151M

Calibration Date: 08/29/2013
Calibration ID: CAL12742
Analysis Lot: KWG1309918
Units: ug/L

File ID: J:\GC27\DATA\091113A\0911A004.D\0911A004C.D

Column ID: Rtx-Dioxin 2

Analyte Name	Expected	Result	Average RF	CCV RF	%D	%Drift	Criteria	Curve Fit
Pentachlorophenol	48	46	1230000	1180000	-4	NA	± 20 %	AverageRF
4-Bromo-2,6-dichlorophenol	50	53	815000	861000	6	NA	± 20 %	AverageRF

Results flagged with an asterisk (*) indicate values outside control criteria.

Client: JH Baxter & Company
Project: J.H. Baxter / Arlington

Service Request: K1308874
Date Analyzed: 09/11/2013

Continuing Calibration Verification Summary
Pentachlorophenol

Calibration Type: External Standard
Analysis Method: 8151M

Calibration Date: 08/29/2013
Calibration ID: CAL12742
Analysis Lot: KWG1309918
Units: ug/L

File ID: J:\GC27\DATA\091113A\0911A012.D

Column ID: Rtx-5

Analyte Name	Expected	Result	Average RF	CCV RF	%D	%Drift	Criteria	Curve Fit
Pentachlorophenol	48	45	2460000	2330000	-5	NA	± 20 %	AverageRF
4-Bromo-2,6-dichlorophenol	50	50	1870000	1860000	-1	NA	± 20 %	AverageRF

Results flagged with an asterisk (*) indicate values outside control criteria.

ALS Group USA, Corp. dba ALS Environmental

QA/QC Results

Client: JH Baxter & Company
Project: J.H. Baxter / Arlington

Service Request: K1308874
Date Analyzed: 09/11/2013

Continuing Calibration Verification Summary
Pentachlorophenol

Calibration Type: External Standard
Analysis Method: 8151M

Calibration Date: 08/29/2013
Calibration ID: CAL12742
Analysis Lot: KWG1309918
Units: ug/L

File ID: J:\GC27\DATA\091113A\0911A012.D\0911A012C.D

Column ID: Rtx-Dioxin 2

Analyte Name	Expected	Result	Average RF	CCV RF	%D	%Drift	Criteria	Curve Fit
Pentachlorophenol	48	45	1230000	1170000	-5	NA	± 20 %	AverageRF
4-Bromo-2,6-dichlorophenol	50	52	815000	843000	3	NA	± 20 %	AverageRF

Results flagged with an asterisk (*) indicate values outside control criteria.

Client: JH Baxter & Company
Project: J.H. Baxter / Arlington

Service Request: K1308874
Date Analyzed: 09/12/2013

Continuing Calibration Verification Summary
Pentachlorophenol

Calibration Type: External Standard
Analysis Method: 8151M

Calibration Date: 08/29/2013
Calibration ID: CAL12742
Analysis Lot: KWG1309918
Units: ug/L

File ID: J:\GC27\DATA\091113A\0911A020.D

Column ID: Rtx-5

Analyte Name	Expected	Result	Average RF	CCV RF	%D	%Drift	Criteria	Curve Fit
Pentachlorophenol	48	53	2460000	2740000	11	NA	± 20 %	AverageRF

Results flagged with an asterisk (*) indicate values outside control criteria.

ALS Group USA, Corp. dba ALS Environmental

QA/QC Results

Client:	JH Baxter & Company	**Service Request:**	K1308874
Project:	J.H. Baxter / Arlington	**Date Analyzed:**	09/12/2013

Continuing Calibration Verification Summary
Pentachlorophenol

Calibration Type:	External Standard	**Calibration Date:**	08/29/2013
Analysis Method:	8151M	**Calibration ID:**	CAL12742
		Analysis Lot:	KWG1309918
		Units:	ug/L
File ID:	J:\GC27\DATA\091113A\0911A020.D\0911A020C.D	**Column ID:**	Rtx-Dioxin 2

Analyte Name	Expected	Result	Average RF	CCV RF	%D	%Drift	Criteria	Curve Fit
Pentachlorophenol	48	52	1230000	1340000	9	NA	± 20 %	AverageRF

Results flagged with an asterisk (*) indicate values outside control criteria.

Client: JH Baxter & Company
Project: J.H. Baxter / Arlington

Service Request: K1308874
Date Analyzed: 09/12/2013

Continuing Calibration Verification Summary
Pentachlorophenol

Calibration Type: External Standard
Analysis Method: 8151M

Calibration Date: 08/29/2013
Calibration ID: CAL12742
Analysis Lot: KWG1309920
Units: ug/L

File ID: J:\GC27\DATA\091213A\0912A003.D

Column ID: Rtx-5

Analyte Name	Expected	Result	Average RF	CCV RF	%D	%Drift	Criteria	Curve Fit
Pentachlorophenol	48	47	2460000	2450000	-1	NA	± 20 %	AverageRF
4-Bromo-2,6-dichlorophenol	50	56	1870000	2090000	11	NA	± 20 %	AverageRF

Results flagged with an asterisk (*) indicate values outside control criteria.

ALS Group USA, Corp. dba ALS Environmental

QA/QC Results

Client: JH Baxter & Company
Project: J.H. Baxter / Arlington

Service Request: K1308874
Date Analyzed: 09/12/2013

Continuing Calibration Verification Summary
Pentachlorophenol

Calibration Type: External Standard
Analysis Method: 8151M

Calibration Date: 08/29/2013
Calibration ID: CAL12742
Analysis Lot: KWG1309920
Units: ug/L

File ID: J:\GC27\DATA\091213A\0912A003.D\0912A003C.D

Column ID: Rtx-Dioxin 2

Analyte Name	Expected	Result	Average RF	CCV RF	%D	%Drift	Criteria	Curve Fit
Pentachlorophenol	48	48	1230000	1230000	0	NA	± 20 %	AverageRF
4-Bromo-2,6-dichlorophenol	50	57	815000	922000	13	NA	± 20 %	AverageRF

Results flagged with an asterisk (*) indicate values outside control criteria.

Client: JH Baxter & Company
Project: J.H. Baxter / Arlington

Service Request: K1308874
Date Analyzed: 09/12/2013

Continuing Calibration Verification Summary
Pentachlorophenol

Calibration Type: External Standard
Analysis Method: 8151M

Calibration Date: 08/29/2013
Calibration ID: CAL12742
Analysis Lot: KWG1309920
Units: ug/L

File ID: J:\GC27\DATA\091213A\0912A006.D

Column ID: Rtx-5

Analyte Name	Expected	Result	Average RF	CCV RF	%D	%Drift	Criteria	Curve Fit
Pentachlorophenol	48	46	2460000	2390000	-3	NA	± 20 %	AverageRF
4-Bromo-2,6-dichlorophenol	50	54	1870000	2040000	9	NA	± 20 %	AverageRF

Results flagged with an asterisk (*) indicate values outside control criteria.

Client: JH Baxter & Company
Project: J.H. Baxter / Arlington

Service Request: K1308874
Date Analyzed: 09/12/2013

Continuing Calibration Verification Summary
Pentachlorophenol

Calibration Type: External Standard
Analysis Method: 8151M

Calibration Date: 08/29/2013
Calibration ID: CAL12742
Analysis Lot: KWG1309920
Units: ug/L

File ID: J:\GC27\DATA\091213A\0912A006.D\0912A006C.D

Column ID: Rtx-Dioxin 2

Analyte Name	Expected	Result	Average RF	CCV RF	%D	%Drift	Criteria	Curve Fit
Pentachlorophenol	48	47	1230000	1210000	-2	NA	± 20 %	AverageRF
4-Bromo-2,6-dichlorophenol	50	56	815000	914000	12	NA	± 20 %	AverageRF

Results flagged with an asterisk (*) indicate values outside control criteria.

Client: JH Baxter & Company
Project: J.H. Baxter / Arlington

Service Request: K1308874

Analysis Run Log
Pentachlorophenol

Analysis Method: 8151M

Analysis Lot: KWG1309795
Instrument ID: GC27
Column: Rtx-5

File ID	Sample Name	Lab Code	Date Analysis Started	Start Time	Q	Date Analysis Finished	Finish Time
0904FB03.D	Continuing Calibration Verification	KWG1309795-1	9/5/2013	02:04		9/5/2013	02:12
0904FB04.D	Instrument Blank	KWG1309795-2	9/5/2013	02:18		9/5/2013	02:26
0904FB05.D	ZZZZZZ	ZZZZZZ	9/5/2013	02:33		9/5/2013	02:41
0904FB06.D	ZZZZZZ	ZZZZZZ	9/5/2013	02:48		9/5/2013	02:56
0904FB07.D	ZZZZZZ	ZZZZZZ	9/5/2013	03:03		9/5/2013	03:11
0904FB08.D	ZZZZZZ	ZZZZZZ	9/5/2013	03:18		9/5/2013	03:26
0904FB09.D	ZZZZZZ	ZZZZZZ	9/5/2013	03:33		9/5/2013	03:41
0904FB10.D	ZZZZZZ	ZZZZZZ	9/5/2013	03:48		9/5/2013	03:56
0904FB11.D	ZZZZZZ	ZZZZZZ	9/5/2013	04:03		9/5/2013	04:11
0904FB12.D	Batch QC	K1308873-001	9/5/2013	04:18		9/5/2013	04:26
0904FB13.D	Batch QCMS	KWG1309481-1	9/5/2013	04:32		9/5/2013	04:40
0904FB14.D	Batch QCDMS	KWG1309481-2	9/5/2013	04:47		9/5/2013	04:55
0904FB15.D	Continuing Calibration Verification	KWG1309795-3	9/5/2013	05:02		9/5/2013	05:10
0904FB16.D	Instrument Blank	KWG1309795-4	9/5/2013	05:17		9/5/2013	05:25
0904FB17.D	MW-36	K1308874-021	9/5/2013	05:32		9/5/2013	05:40
0904FB18.D	MW-37	K1308874-022	9/5/2013	05:47		9/5/2013	05:55
0904FB19.D	MW-38	K1308874-023	9/5/2013	06:02		9/5/2013	06:10
0904FB20.D	MW-39	K1308874-024	9/5/2013	06:17		9/5/2013	06:25
0904FB21.D	MW-40	K1308874-025	9/5/2013	06:32		9/5/2013	06:40
0904FB22.D	Continuing Calibration Verification	KWG1309795-5	9/5/2013	06:47		9/5/2013	06:55
0904FB23.D	Instrument Blank	KWG1309795-6	9/5/2013	07:02		9/5/2013	07:10

Results flagged with an asterisk (*) indicate the holding time was exceeded for the analysis

ALS Group USA, Corp. dba ALS Environmental

QA/QC Results

Client: JH Baxter & Company
Project: J.H. Baxter / Arlington

Service Request: K1308874

Analysis Run Log
Pentachlorophenol

Analysis Method: 8151M

Analysis Lot: KWG1309804
Instrument ID: GC27
Column: Rtx-5

File ID	Sample Name	Lab Code	Date Analysis Started	Start Time	Q	Date Analysis Finished	Finish Time
0905F004.D	Continuing Calibration Verification	KWG1309804-1	9/5/2013	10:32		9/5/2013	10:40
0905F005.D	Instrument Blank	KWG1309804-2	9/5/2013	10:47		9/5/2013	10:55
0905F006.D	MW-41	K1308874-026	9/5/2013	11:02		9/5/2013	11:10
0905F007.D	MW-42	K1308874-027	9/5/2013	11:17		9/5/2013	11:25
0905F008.D	MW-43	K1308874-028	9/5/2013	11:32		9/5/2013	11:40
0905F009.D	MW-44	K1308874-029	9/5/2013	11:47		9/5/2013	11:55
0905F010.D	Field Blank Rinsate	K1308874-030	9/5/2013	12:02		9/5/2013	12:10
0905F011.D	MW-3	K1308874-031	9/5/2013	12:17		9/5/2013	12:25
0905F012.D	ZZZZZZ	ZZZZZZ	9/5/2013	12:32		9/5/2013	12:40
0905F013.D	Lab Control Sample	KWG1309481-3	9/5/2013	12:47		9/5/2013	12:55
0905F014.D	Method Blank	KWG1309481-4	9/5/2013	13:02		9/5/2013	13:10
0905F015.D	Continuing Calibration Verification	KWG1309804-3	9/5/2013	13:17		9/5/2013	13:25
0905F016.D	Instrument Blank	KWG1309804-4	9/5/2013	13:32		9/5/2013	13:40

Results flagged with an asterisk (*) indicate the holding time was exceeded for the analysis

Client: JH Baxter & Company
Project: J.H. Baxter / Arlington

Service Request: K1308874

Analysis Run Log
Pentachlorophenol

Analysis Method: 8151M

Analysis Lot: KWG1309814
Instrument ID: GC27
Column: Rtx-5

File ID	Sample Name	Lab Code	Date Analysis Started	Start Time	Q	Date Analysis Finished	Finish Time
0909F004.D	Continuing Calibration Verification	KWG1309814-1	9/9/2013	18:03		9/9/2013	18:11
0909F005.D	Instrument Blank	KWG1309814-2	9/9/2013	18:19		9/9/2013	18:27
0909F006.D	ZZZZZZ	ZZZZZZ	9/9/2013	18:34		9/9/2013	18:42
0909F007.D	ZZZZZZ	ZZZZZZ	9/9/2013	18:49		9/9/2013	18:57
0909F008.D	Batch QC	K1308873-001	9/9/2013	19:04		9/9/2013	19:12
0909F009.D	Batch QCMS	KWG1309481-1	9/9/2013	19:19		9/9/2013	19:27
0909F010.D	Batch QCDMS	KWG1309481-2	9/9/2013	19:34		9/9/2013	19:42
0909F011.D	Continuing Calibration Verification	KWG1309814-3	9/9/2013	19:49		9/9/2013	19:57
0909F012.D	Instrument Blank	KWG1309814-4	9/9/2013	20:04		9/9/2013	20:12
0909F014.D	MW-39	K1308874-024	9/9/2013	20:34		9/9/2013	20:42
0909F015.D	MW-40	K1308874-025	9/9/2013	20:49		9/9/2013	20:57
0909F017.D	MW-44	K1308874-029	9/9/2013	21:19		9/9/2013	21:27
0909F018.D	MW-3	K1308874-031	9/9/2013	21:34		9/9/2013	21:42
0909F019.D	Continuing Calibration Verification	KWG1309814-5	9/9/2013	21:49		9/9/2013	21:57
0909F020.D	Instrument Blank	KWG1309814-6	9/9/2013	22:04		9/9/2013	22:12

Results flagged with an asterisk (*) indicate the holding time was exceeded for the analysis

ALS Group USA, Corp. dba ALS Environmental

QA/QC Results

Client: JH Baxter & Company
Project: J.H. Baxter / Arlington

Service Request: K1308874

Analysis Run Log
Pentachlorophenol

Analysis Method: 8151M

Analysis Lot: KWG1309824
Instrument ID: GC27
Column: Rtx-5

File ID	Sample Name	Lab Code	Date Analysis Started	Start Time	Q	Date Analysis Finished	Finish Time
0910B004.D	Continuing Calibration Verification	KWG1309824-1	9/10/2013	20:36		9/10/2013	20:44
0910B005.D	Instrument Blank	KWG1309824-2	9/10/2013	20:51		9/10/2013	20:59
0910B006.D	MW-36	K1308874-021	9/10/2013	21:07		9/10/2013	21:15
0910B007.D	MW-41	K1308874-026	9/10/2013	21:22		9/10/2013	21:30
0910B008.D	Continuing Calibration Verification	KWG1309824-3	9/10/2013	21:37		9/10/2013	21:45
0910B009.D	Instrument Blank	KWG1309824-4	9/10/2013	21:52		9/10/2013	22:00

Results flagged with an asterisk (*) indicate the holding time was exceeded for the analysis

Client: JH Baxter & Company
Project: J.H. Baxter / Arlington

Service Request: K1308874

Analysis Run Log
Pentachlorophenol

Analysis Method: 8151M

Analysis Lot: KWG1309904
Instrument ID: GC27
Column: Rtx-5

File ID	Sample Name	Lab Code	Date Analysis Started	Start Time	Q	Date Analysis Finished	Finish Time
0911F004.D	Continuing Calibration Verification	KWG1309904-1	9/11/2013	09:48		9/11/2013	09:56
0911F005.D	Instrument Blank	KWG1309904-2	9/11/2013	10:03		9/11/2013	10:11
0911F006.D	ZZZZZZ	ZZZZZZ	9/11/2013	10:18		9/11/2013	10:26
0911F007.D	ZZZZZZ	ZZZZZZ	9/11/2013	10:34		9/11/2013	10:42
0911F008.D	ZZZZZZ	ZZZZZZ	9/11/2013	10:49		9/11/2013	10:57
0911F009.D	ZZZZZZ	ZZZZZZ	9/11/2013	11:04		9/11/2013	11:12
0911F010.D	ZZZZZZ	ZZZZZZ	9/11/2013	11:20		9/11/2013	11:28
0911F011.D	ZZZZZZ	ZZZZZZ	9/11/2013	11:35		9/11/2013	11:43
0911F012.D	ZZZZZZ	ZZZZZZ	9/11/2013	11:50		9/11/2013	11:58
0911F013.D	ZZZZZZ	ZZZZZZ	9/11/2013	12:06		9/11/2013	12:14
0911F014.D	Lab Control Sample	KWG1309771-3	9/11/2013	12:21		9/11/2013	12:29
0911F015.D	Method Blank	KWG1309771-4	9/11/2013	12:36		9/11/2013	12:44
0911F016.D	HCMW-7	K1308874-001	9/11/2013	12:52		9/11/2013	13:00
0911F017.D	HCMW-7MS	KWG1309771-1	9/11/2013	13:07		9/11/2013	13:15
0911F018.D	HCMW-7DMS	KWG1309771-2	9/11/2013	13:22		9/11/2013	13:30
0911F019.D	Continuing Calibration Verification	KWG1309904-3	9/11/2013	13:38		9/11/2013	13:46
0911F020.D	Instrument Blank	KWG1309904-4	9/11/2013	13:53		9/11/2013	14:01
0911F021.D	MW-15	K1308874-002	9/11/2013	14:08		9/11/2013	14:16
0911F022.D	MW-16	K1308874-003	9/11/2013	14:24		9/11/2013	14:32
0911F023.D	MW-17	K1308874-004	9/11/2013	14:39		9/11/2013	14:47
0911F024.D	MW-18	K1308874-005	9/11/2013	14:54		9/11/2013	15:02
0911F025.D	MW-2	K1308874-006	9/11/2013	15:10		9/11/2013	15:18
0911F026.D	MW-22	K1308874-007	9/11/2013	15:25		9/11/2013	15:33
0911F027.D	MW-23	K1308874-008	9/11/2013	15:40		9/11/2013	15:48
0911F028.D	MW-24	K1308874-009	9/11/2013	15:56		9/11/2013	16:04
0911F029.D	MW-25	K1308874-010	9/11/2013	16:11		9/11/2013	16:19
0911F030.D	MW-26	K1308874-011	9/11/2013	16:26		9/11/2013	16:34
0911F031.D	Continuing Calibration Verification	KWG1309904-5	9/11/2013	16:42		9/11/2013	16:50
0911F032.D	Instrument Blank	KWG1309904-6	9/11/2013	16:57		9/11/2013	17:05
0911F033.D	MW-27	K1308874-012	9/11/2013	17:12		9/11/2013	17:20
0911F034.D	MW-28	K1308874-013	9/11/2013	17:28		9/11/2013	17:36
0911F035.D	MW-29	K1308874-014	9/11/2013	17:43		9/11/2013	17:51
0911F036.D	MW-30	K1308874-015	9/11/2013	17:58		9/11/2013	18:06
0911F037.D	MW-31	K1308874-016	9/11/2013	18:13		9/11/2013	18:21

Results flagged with an asterisk (*) indicate the holding time was exceeded for the analysis

Client: JH Baxter & Company
Project: J.H. Baxter / Arlington

Service Request: K1308874

Analysis Run Log
Pentachlorophenol

Analysis Method: 8151M

Analysis Lot: KWG1309904
Instrument ID: GC27
Column: Rtx-5

File ID	Sample Name	Lab Code	Date Analysis Started	Start Time	Q	Date Analysis Finished	Finish Time
0911F038.D	MW-32	K1308874-017	9/11/2013	18:29		9/11/2013	18:37
0911F039.D	MW-33	K1308874-018	9/11/2013	18:44		9/11/2013	18:52
0911F040.D	MW-34	K1308874-019	9/11/2013	18:59		9/11/2013	19:07
0911F041.D	MW-35	K1308874-020	9/11/2013	19:15		9/11/2013	19:23
0911F042.D	Continuing Calibration Verification	KWG1309904-7	9/11/2013	19:30		9/11/2013	19:38
0911F043.D	Instrument Blank	KWG1309904-8	9/11/2013	19:45		9/11/2013	19:53

Results flagged with an asterisk (*) indicate the holding time was exceeded for the analysis

Client: JH Baxter & Company
Project: J.H. Baxter / Arlington

Service Request: K1308874

Analysis Run Log
Pentachlorophenol

Analysis Method: 8151M

Analysis Lot: KWG1309918
Instrument ID: GC27
Column: Rtx-5

File ID	Sample Name	Lab Code	Date Analysis Started	Start Time	Q	Date Analysis Finished	Finish Time
0911A004.D	Continuing Calibration Verification	KWG1309918-1	9/11/2013	21:40		9/11/2013	21:48
0911A005.D	Instrument Blank	KWG1309918-2	9/11/2013	21:56		9/11/2013	22:04
0911A010.D	MW-22	K1308874-007	9/11/2013	23:13		9/11/2013	23:21
0911A012.D	Continuing Calibration Verification	KWG1309918-3	9/11/2013	23:44		9/11/2013	23:52
0911A013.D	Instrument Blank	KWG1309918-4	9/11/2013	23:59		9/12/2013	00:07
0911A014.D	MW-24	K1308874-009	9/12/2013	00:15		9/12/2013	00:23
0911A015.D	MW-25	K1308874-010	9/12/2013	00:30		9/12/2013	00:38
0911A016.D	MW-29	K1308874-014	9/12/2013	00:46		9/12/2013	00:54
0911A017.D	MW-32	K1308874-017	9/12/2013	01:01		9/12/2013	01:09
0911A018.D	MW-34	K1308874-019	9/12/2013	01:17		9/12/2013	01:25
0911A020.D	Continuing Calibration Verification	KWG1309918-5	9/12/2013	04:18		9/12/2013	04:26
0911A021.D	Instrument Blank	KWG1309918-6	9/12/2013	10:01		9/12/2013	10:09

Results flagged with an asterisk (*) indicate the holding time was exceeded for the analysis

Client: JH Baxter & Company
Project: J.H. Baxter / Arlington

Service Request: K1308874

Analysis Run Log
Pentachlorophenol

Analysis Method: 8151M

Analysis Lot: KWG1309920
Instrument ID: GC27
Column: Rtx-5

File ID	Sample Name	Lab Code	Date Analysis Started	Start Time	Q	Date Analysis Finished	Finish Time
0912A003.D	Continuing Calibration Verification	KWG1309920-1	9/12/2013	15:30		9/12/2013	15:38
0912A004.D	Instrument Blank	KWG1309920-2	9/12/2013	15:46		9/12/2013	15:54
0912A005.D	MW-23	K1308874-008	9/12/2013	16:03		9/12/2013	16:11
0912A006.D	Continuing Calibration Verification	KWG1309920-3	9/12/2013	16:19		9/12/2013	16:27
0912A007.D	Instrument Blank	KWG1309920-4	9/12/2013	16:35		9/12/2013	16:43

Results flagged with an asterisk (*) indicate the holding time was exceeded for the analysis

QA/QC Results

Client: JH Baxter & Company
Project: J.H. Baxter / Arlington
Sample Matrix: Water

Service Request: K1308874
Date Extracted: 08/30/2013

Extraction Prep Log
Pentachlorophenol

Extraction Method: Method
Analysis Method: 8151M

Extraction Lot: KWG1309481
Level: Low

Sample Name	Lab Code	Date Collected	Date Received	Sample Amount	Final Volume	% Solids	Note
MW-36	K1308874-021	08/25/13	08/29/13	5mL	1mL	NA	
MW-36DL	K1308874-021	08/25/13	08/29/13	5mL	1mL	NA	
MW-37	K1308874-022	08/26/13	08/29/13	5mL	1mL	NA	
MW-38	K1308874-023	08/26/13	08/29/13	5mL	1mL	NA	
MW-39DL	K1308874-024	08/26/13	08/29/13	5mL	1mL	NA	
MW-39	K1308874-024	08/26/13	08/29/13	5mL	1mL	NA	
MW-40DL	K1308874-025	08/25/13	08/29/13	5mL	1mL	NA	
MW-40	K1308874-025	08/25/13	08/29/13	5mL	1mL	NA	
MW-41DL	K1308874-026	08/25/13	08/29/13	5mL	1mL	NA	
MW-41	K1308874-026	08/25/13	08/29/13	5mL	1mL	NA	
MW-42	K1308874-027	08/26/13	08/29/13	5mL	1mL	NA	
MW-43	K1308874-028	08/26/13	08/29/13	5mL	1mL	NA	
MW-44	K1308874-029	08/26/13	08/29/13	5mL	1mL	NA	
MW-44DL	K1308874-029	08/26/13	08/29/13	5mL	1mL	NA	
Field Blank Rinsate	K1308874-030	08/27/13	08/29/13	5mL	1mL	NA	
MW-3DL	K1308874-031	08/25/13	08/29/13	5mL	1mL	NA	
MW-3	K1308874-031	08/25/13	08/29/13	5mL	1mL	NA	
Method Blank	KWG1309481-4	NA	NA	5mL	1mL	NA	
Batch QCDL	K1308873-001	NA	NA	5mL	1mL	NA	
Batch QC	K1308873-001	NA	NA	5mL	1mL	NA	
Batch QCMS	KWG1309481-1	NA	NA	5mL	1mL	NA	
Batch QCDMS	KWG1309481-2	NA	NA	5mL	1mL	NA	
Lab Control Sample	KWG1309481-3	NA	NA	5mL	1mL	NA	

Results flagged with an asterisk (*) indicate the holding time was exceeded for the analysis

Client: JH Baxter & Company
Project: J.H. Baxter / Arlington
Sample Matrix: Water

Service Request: K1308874
Date Extracted: 08/30/2013

Extraction Prep Log
Pentachlorophenol

Extraction Method: Method Mod
Analysis Method: 8151M

Extraction Lot: KWG1309771
Level: Low

Sample Name	Lab Code	Date Collected	Date Received	Sample Amount	Final Volume	% Solids	Note
HCMW-7	K1308874-001	08/26/13	08/29/13	5mL	1mL	NA	
MW-15	K1308874-002	08/26/13	08/29/13	5mL	1mL	NA	
MW-16	K1308874-003	08/26/13	08/29/13	5mL	1mL	NA	
MW-17	K1308874-004	08/26/13	08/29/13	5mL	1mL	NA	
MW-18	K1308874-005	08/26/13	08/29/13	5mL	1mL	NA	
MW-2	K1308874-006	08/26/13	08/29/13	5mL	1mL	NA	
MW-22DL	K1308874-007	08/25/13	08/29/13	5mL	1mL	NA	
MW-22	K1308874-007	08/25/13	08/29/13	5mL	1mL	NA	
MW-23DL	K1308874-008	08/25/13	08/29/13	5mL	1mL	NA	
MW-23	K1308874-008	08/25/13	08/29/13	5mL	1mL	NA	
MW-24DL	K1308874-009	08/25/13	08/29/13	5mL	1mL	NA	
MW-24	K1308874-009	08/25/13	08/29/13	5mL	1mL	NA	
MW-25DL	K1308874-010	08/25/13	08/29/13	5mL	1mL	NA	
MW-25	K1308874-010	08/25/13	08/29/13	5mL	1mL	NA	
MW-26	K1308874-011	08/25/13	08/29/13	5mL	1mL	NA	
MW-27	K1308874-012	08/25/13	08/29/13	5mL	1mL	NA	
MW-28	K1308874-013	08/26/13	08/29/13	5mL	1mL	NA	
MW-29DL	K1308874-014	08/26/13	08/29/13	5mL	1mL	NA	
MW-29	K1308874-014	08/26/13	08/29/13	5mL	1mL	NA	
MW-30	K1308874-015	08/26/13	08/29/13	5mL	1mL	NA	
MW-31	K1308874-016	08/26/13	08/29/13	5mL	1mL	NA	
MW-32	K1308874-017	08/25/13	08/29/13	5mL	1mL	NA	
MW-32DL	K1308874-017	08/25/13	08/29/13	5mL	1mL	NA	
MW-33	K1308874-018	08/25/13	08/29/13	5mL	1mL	NA	
MW-34	K1308874-019	08/26/13	08/29/13	5mL	1mL	NA	
MW-34DL	K1308874-019	08/26/13	08/29/13	5mL	1mL	NA	
MW-35	K1308874-020	08/25/13	08/29/13	5mL	1mL	NA	
Method Blank	KWG1309771-4	NA	NA	5mL	1mL	NA	
HCMW-7MS	KWG1309771-1	08/26/13	08/29/13	5mL	1mL	NA	
HCMW-7DMS	KWG1309771-2	08/26/13	08/29/13	5mL	1mL	NA	
Lab Control Sample	KWG1309771-3	NA	NA	5mL	1mL	NA	

Results flagged with an asterisk (*) indicate the holding time was exceeded for the analysis

ALS Group USA, Corp. dba ALS Environmental

Confirmation Results

Client: JH Baxter & Company
Project: J.H. Baxter / Arlington
Sample Matrix: Water

Service Request: K1308874
Date Collected: 08/26/2013
Date Received: 08/29/2013
Date Extracted: 08/30/2013

Pentachlorophenol

Sample Name: MW-15
Lab Code: K1308874-002
Extraction Method: Method Mod
Analysis Method: 8151M

Units: ug/L
Basis: NA
Level: Low

Analyte Name	MRL	MDL	Primary Result	Confirmation Result	RPD	Q	Dilution Factor	Date Analyzed
Pentachlorophenol	0.50	0.16	0.51	0.79	43.1	P	1	09/11/13

ALS Group USA, Corp. dba ALS Environmental

Confirmation Results

Client: JH Baxter & Company
Project: J.H. Baxter / Arlington
Sample Matrix: Water

Service Request: K1308874
Date Collected: 08/25/2013
Date Received: 08/29/2013
Date Extracted: 08/30/2013

Pentachlorophenol

Sample Name: MW-22
Lab Code: K1308874-007
Extraction Method: Method Mod
Analysis Method: 8151M

Units: ug/L
Basis: NA
Level: Low

Analyte Name	MRL	MDL	Primary Result	Confirmation Result	RPD	Q	Dilution Factor	Date Analyzed
Pentachlorophenol	5.0	1.6	130	130	0.0	D	10	09/11/13

ALS Group USA, Corp. dba ALS Environmental

Confirmation Results

Client:	JH Baxter & Company	**Service Request:**	K1308874
Project:	J.H. Baxter / Arlington	**Date Collected:**	08/25/2013
Sample Matrix:	Water	**Date Received:**	08/29/2013
		Date Extracted:	08/30/2013

Pentachlorophenol

Sample Name:	MW-23	**Units:**	ug/L
Lab Code:	K1308874-008	**Basis:**	NA
Extraction Method:	Method Mod	**Level:**	Low
Analysis Method:	8151M		

Analyte Name	MRL	MDL	Primary Result	Confirmation Result	RPD	Q	Dilution Factor	Date Analyzed
Pentachlorophenol	50	16	470	480	2.1	D	100	09/12/13

ALS Group USA, Corp. dba ALS Environmental

Confirmation Results

Client: JH Baxter & Company
Project: J.H. Baxter / Arlington
Sample Matrix: Water

Service Request: K1308874
Date Collected: 08/25/2013
Date Received: 08/29/2013
Date Extracted: 08/30/2013

Pentachlorophenol

Sample Name: MW-24
Lab Code: K1308874-009
Extraction Method: Method Mod
Analysis Method: 8151M

Units: ug/L
Basis: NA
Level: Low

Analyte Name	MRL	MDL	Primary Result	Confirmation Result	RPD	Q	Dilution Factor	Date Analyzed
Pentachlorophenol	5.0	1.6	95	95	0.0	D	10	09/12/13

ALS Group USA, Corp. dba ALS Environmental

Confirmation Results

Client:	JH Baxter & Company	**Service Request:**	K1308874
Project:	J.H. Baxter / Arlington	**Date Collected:**	08/25/2013
Sample Matrix:	Water	**Date Received:**	08/29/2013
		Date Extracted:	08/30/2013

Pentachlorophenol

Sample Name:	MW-25	**Units:**	ug/L
Lab Code:	K1308874-010	**Basis:**	NA
Extraction Method:	Method Mod	**Level:**	Low
Analysis Method:	8151M		

Analyte Name	MRL	MDL	Primary Result	Confirmation Result	RPD	Q	Dilution Factor	Date Analyzed
Pentachlorophenol	25	8.0	670	680	1.5	D	50	09/12/13

ALS Group USA, Corp. dba ALS Environmental

Confirmation Results

Client: JH Baxter & Company
Project: J.H. Baxter / Arlington
Sample Matrix: Water

Service Request: K1308874
Date Collected: 08/25/2013
Date Received: 08/29/2013
Date Extracted: 08/30/2013

Pentachlorophenol

Sample Name: MW-26
Lab Code: K1308874-011
Extraction Method: Method Mod
Analysis Method: 8151M

Units: ug/L
Basis: NA
Level: Low

Analyte Name	MRL	MDL	Primary Result	Confirmation Result	RPD	Q	Dilution Factor	Date Analyzed
Pentachlorophenol	0.50	0.16	0.27	0.25	7.7	J	1	09/11/13

ALS Group USA, Corp. dba ALS Environmental

Confirmation Results

Client:	JH Baxter & Company	**Service Request:**	K1308874
Project:	J.H. Baxter / Arlington	**Date Collected:**	08/25/2013
Sample Matrix:	Water	**Date Received:**	08/29/2013
		Date Extracted:	08/30/2013

Pentachlorophenol

Sample Name:	MW-27	**Units:**	ug/L
Lab Code:	K1308874-012	**Basis:**	NA
Extraction Method:	Method Mod	**Level:**	Low
Analysis Method:	8151M		

Analyte Name	MRL	MDL	Primary Result	Confirmation Result	RPD	Q	Dilution Factor	Date Analyzed
Pentachlorophenol	0.50	0.16	0.30	0.18	50.0	JP	1	09/11/13

ALS Group USA, Corp. dba ALS Environmental

Confirmation Results

Client: JH Baxter & Company
Project: J.H. Baxter / Arlington
Sample Matrix: Water

Service Request: K1308874
Date Collected: 08/26/2013
Date Received: 08/29/2013
Date Extracted: 08/30/2013

Pentachlorophenol

Sample Name: MW-28
Lab Code: K1308874-013
Extraction Method: Method Mod
Analysis Method: 8151M

Units: ug/L
Basis: NA
Level: Low

Analyte Name	MRL	MDL	Primary Result	Confirmation Result	RPD	Q	Dilution Factor	Date Analyzed
Pentachlorophenol	0.50	0.16	21	22	4.7		1	09/11/13

ALS Group USA, Corp. dba ALS Environmental

Confirmation Results

Client: JH Baxter & Company
Project: J.H. Baxter / Arlington
Sample Matrix: Water

Service Request: K1308874
Date Collected: 08/26/2013
Date Received: 08/29/2013
Date Extracted: 08/30/2013

Pentachlorophenol

Sample Name: MW-29
Lab Code: K1308874-014
Extraction Method: Method Mod
Analysis Method: 8151M

Units: ug/L
Basis: NA
Level: Low

Analyte Name	MRL	MDL	Primary Result	Confirmation Result	RPD	Q	Dilution Factor	Date Analyzed
Pentachlorophenol	5.0	1.6	41	42	2.4	D	10	09/12/13

ALS Group USA, Corp. dba ALS Environmental

Confirmation Results

Client: JH Baxter & Company
Project: J.H. Baxter / Arlington
Sample Matrix: Water

Service Request: K1308874
Date Collected: 08/26/2013
Date Received: 08/29/2013
Date Extracted: 08/30/2013

Pentachlorophenol

Sample Name: MW-31
Lab Code: K1308874-016
Extraction Method: Method Mod
Analysis Method: 8151M

Units: ug/L
Basis: NA
Level: Low

Analyte Name	MRL	MDL	Primary Result	Confirmation Result	RPD	Q	Dilution Factor	Date Analyzed
Pentachlorophenol	0.50	0.16	0.25	0.17	38.1	J	1	09/11/13

ALS Group USA, Corp. dba ALS Environmental

Confirmation Results

Client:	JH Baxter & Company	**Service Request:**	K1308874
Project:	J.H. Baxter / Arlington	**Date Collected:**	08/25/2013
Sample Matrix:	Water	**Date Received:**	08/29/2013
		Date Extracted:	08/30/2013

Pentachlorophenol

Sample Name:	MW-32	**Units:**	ug/L
Lab Code:	K1308874-017	**Basis:**	NA
Extraction Method:	Method Mod	**Level:**	Low
Analysis Method:	8151M		

Analyte Name	MRL	MDL	Primary Result	Confirmation Result	RPD	Q	Dilution Factor	Date Analyzed
Pentachlorophenol	25	8.0	570	570	0.0	D	50	09/12/13

ALS Group USA, Corp. dba ALS Environmental

Confirmation Results

Client:	JH Baxter & Company	**Service Request:**	K1308874
Project:	J.H. Baxter / Arlington	**Date Collected:**	08/25/2013
Sample Matrix:	Water	**Date Received:**	08/29/2013
		Date Extracted:	08/30/2013

Pentachlorophenol

Sample Name:	MW-33	**Units:**	ug/L
Lab Code:	K1308874-018	**Basis:**	NA
Extraction Method:	Method Mod	**Level:**	Low
Analysis Method:	8151M		

Analyte Name	MRL	MDL	Primary Result	Confirmation Result	RPD	Q	Dilution Factor	Date Analyzed
Pentachlorophenol	0.50	0.16	8.3	8.3	0.0		1	09/11/13

ALS Group USA, Corp. dba ALS Environmental

Confirmation Results

Client:	JH Baxter & Company	**Service Request:**	K1308874
Project:	J.H. Baxter / Arlington	**Date Collected:**	08/26/2013
Sample Matrix:	Water	**Date Received:**	08/29/2013
		Date Extracted:	08/30/2013

Pentachlorophenol

Sample Name:	MW-34	**Units:**	ug/L
Lab Code:	K1308874-019	**Basis:**	NA
Extraction Method:	Method Mod	**Level:**	Low
Analysis Method:	8151M		

Analyte Name	MRL	MDL	Primary Result	Confirmation Result	RPD	Q	Dilution Factor	Date Analyzed
Pentachlorophenol	5.0	1.6	180	180	0.0	D	10	09/12/13

ALS Group USA, Corp. dba ALS Environmental

Confirmation Results

Client: JH Baxter & Company
Project: J.H. Baxter / Arlington
Sample Matrix: Water

Service Request: K1308874
Date Collected: 08/25/2013
Date Received: 08/29/2013
Date Extracted: 08/30/2013

Pentachlorophenol

Sample Name: MW-36
Lab Code: K1308874-021
Extraction Method: Method
Analysis Method: 8151M

Units: ug/L
Basis: NA
Level: Low

Analyte Name	MRL	MDL	Primary Result	Confirmation Result	RPD	Q	Dilution Factor	Date Analyzed
Pentachlorophenol	5.0	1.6	130	130	0.0	D	10	09/10/13

ALS Group USA, Corp. dba ALS Environmental

Confirmation Results

Client:	JH Baxter & Company	**Service Request:**	K1308874
Project:	J.H. Baxter / Arlington	**Date Collected:**	08/26/2013
Sample Matrix:	Water	**Date Received:**	08/29/2013
		Date Extracted:	08/30/2013

Pentachlorophenol

Sample Name:	MW-37	**Units:**	ug/L
Lab Code:	K1308874-022	**Basis:**	NA
		Level:	Low
Extraction Method:	Method		
Analysis Method:	8151M		

Analyte Name	MRL	MDL	Primary Result	Confirmation Result	RPD	Q	Dilution Factor	Date Analyzed
Pentachlorophenol	0.50	0.16	4.2	4.3	2.4		1	09/05/13

ALS Group USA, Corp. dba ALS Environmental

Confirmation Results

Client: JH Baxter & Company
Project: J.H. Baxter / Arlington
Sample Matrix: Water

Service Request: K1308874
Date Collected: 08/26/2013
Date Received: 08/29/2013
Date Extracted: 08/30/2013

Pentachlorophenol

Sample Name: MW-39
Lab Code: K1308874-024
Extraction Method: Method
Analysis Method: 8151M

Units: ug/L
Basis: NA
Level: Low

Analyte Name	MRL	MDL	Primary Result	Confirmation Result	RPD	Q	Dilution Factor	Date Analyzed
Pentachlorophenol	5.0	1.6	84	87	3.5	D	10	09/09/13

ALS Group USA, Corp. dba ALS Environmental

Confirmation Results

Client:	JH Baxter & Company	**Service Request:**	K1308874
Project:	J.H. Baxter / Arlington	**Date Collected:**	08/25/2013
Sample Matrix:	Water	**Date Received:**	08/29/2013
		Date Extracted:	08/30/2013

Pentachlorophenol

Sample Name:	MW-40	**Units:**	ug/L
Lab Code:	K1308874-025	**Basis:**	NA
Extraction Method:	Method	**Level:**	Low
Analysis Method:	8151M		

Analyte Name	MRL	MDL	Primary Result	Confirmation Result	RPD	Q	Dilution Factor	Date Analyzed
Pentachlorophenol	25	8.0	470	480	2.1	D	50	09/09/13

ALS Group USA, Corp. dba ALS Environmental

Confirmation Results

Client: JH Baxter & Company
Project: J.H. Baxter / Arlington
Sample Matrix: Water

Service Request: K1308874
Date Collected: 08/25/2013
Date Received: 08/29/2013
Date Extracted: 08/30/2013

Pentachlorophenol

Sample Name: MW-41
Lab Code: K1308874-026
Extraction Method: Method
Analysis Method: 8151M

Units: ug/L
Basis: NA
Level: Low

Analyte Name	MRL	MDL	Primary Result	Confirmation Result	RPD	Q	Dilution Factor	Date Analyzed
Pentachlorophenol	13	4.0	340	340	0.0	D	25	09/10/13

ALS Group USA, Corp. dba ALS Environmental

Confirmation Results

Client:	JH Baxter & Company	**Service Request:**	K1308874
Project:	J.H. Baxter / Arlington	**Date Collected:**	08/26/2013
Sample Matrix:	Water	**Date Received:**	08/29/2013
		Date Extracted:	08/30/2013

Pentachlorophenol

Sample Name:	MW-42	**Units:**	ug/L
Lab Code:	K1308874-027	**Basis:**	NA
Extraction Method:	Method	**Level:**	Low
Analysis Method:	8151M		

Analyte Name	MRL	MDL	Primary Result	Confirmation Result	RPD	Q	Dilution Factor	Date Analyzed
Pentachlorophenol	0.50	0.16	3.4	3.6	5.7		1	09/05/13

ALS Group USA, Corp. dba ALS Environmental

Confirmation Results

Client: JH Baxter & Company
Project: J.H. Baxter / Arlington
Sample Matrix: Water

Service Request: K1308874
Date Collected: 08/26/2013
Date Received: 08/29/2013
Date Extracted: 08/30/2013

Pentachlorophenol

Sample Name: MW-44
Lab Code: K1308874-029

Extraction Method: Method
Analysis Method: 8151M

Units: ug/L
Basis: NA
Level: Low

Analyte Name	MRL	MDL	Primary Result	Confirmation Result	RPD	Q	Dilution Factor	Date Analyzed
Pentachlorophenol	2.5	0.80	87	87	0.0	D	5	09/09/13

ALS Group USA, Corp. dba ALS Environmental

Confirmation Results

Client:	JH Baxter & Company	**Service Request:**	K1308874
Project:	J.H. Baxter / Arlington	**Date Collected:**	08/25/2013
Sample Matrix:	Water	**Date Received:**	08/29/2013
		Date Extracted:	08/30/2013

Pentachlorophenol

Sample Name:	MW-3	**Units:**	ug/L
Lab Code:	K1308874-031	**Basis:**	NA
Extraction Method:	Method	**Level:**	Low
Analysis Method:	8151M		

Analyte Name	MRL	MDL	Primary Result	Confirmation Result	RPD	Q	Dilution Factor	Date Analyzed
Pentachlorophenol	2.5	0.80	85	85	0.0	D	5	09/09/13

Polynuclear Aromatic Hydrocarbons

Organic Analysis:
Polynuclear Aromatic Hydrocarbons

Summary Package

Sample and QC Results

ALS Group USA, Corp. dba ALS Environmental

Client: JH Baxter & Company
Project: J.H. Baxter / Arlington

Service Request: K1308874

Cover Page - Organic Analysis Data Package
Polynuclear Aromatic Hydrocarbons

Sample Name	Lab Code	Date Collected	Date Received
MW-15	K1308874-002	08/26/2013	08/29/2013
MW-16	K1308874-003	08/26/2013	08/29/2013
MW-17	K1308874-004	08/26/2013	08/29/2013
MW-18	K1308874-005	08/26/2013	08/29/2013
MW-2	K1308874-006	08/26/2013	08/29/2013
MW-30	K1308874-015	08/26/2013	08/29/2013

I certify that this data package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the conditions detailed in the case narrative. Release of the data contained in this hardcopy data package and in the computer-readable data has been authorized by the Laboratory Manager or the Manager's designee, as verified by the following signature.

Signature: [signature]

Name: Carl Degner

Date: 9/11/13

Title: SWG Supervisor

ALS Group USA, Corp. dba ALS Environmental

Analytical Results

Client:	JH Baxter & Company	**Service Request:**	K1308874
Project:	J.H. Baxter / Arlington	**Date Collected:**	08/26/2013
Sample Matrix:	Water	**Date Received:**	08/29/2013

Polynuclear Aromatic Hydrocarbons

Sample Name:	MW-15	**Units:**	ug/L
Lab Code:	K1308874-002	**Basis:**	NA
Extraction Method:	EPA 3520C	**Level:**	Low
Analysis Method:	8270D SIM		

Analyte Name	Result	Q	MRL	MDL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Note
Naphthalene	**0.061**		0.020	0.0038	1	08/30/13	09/05/13	KWG1309272	
2-Methylnaphthalene	ND	U	0.020	0.0023	1	08/30/13	09/05/13	KWG1309272	
Acenaphthylene	ND	U	0.020	0.0034	1	08/30/13	09/05/13	KWG1309272	
Acenaphthene	ND	U	0.020	0.0044	1	08/30/13	09/05/13	KWG1309272	
Fluorene	ND	U	0.020	0.0038	1	08/30/13	09/05/13	KWG1309272	
Phenanthrene	ND	U	0.020	0.0050	1	08/30/13	09/05/13	KWG1309272	
Anthracene	**0.0040**	**J**	0.020	0.0036	1	08/30/13	09/05/13	KWG1309272	
Fluoranthene	ND	U	0.020	0.010	1	08/30/13	09/05/13	KWG1309272	
Pyrene	ND	U	0.020	0.0053	1	08/30/13	09/05/13	KWG1309272	
Benz(a)anthracene	ND	U	0.020	0.0026	1	08/30/13	09/05/13	KWG1309272	
Chrysene	ND	U	0.020	0.0034	1	08/30/13	09/05/13	KWG1309272	
Benzo(b)fluoranthene	ND	U	0.020	0.0041	1	08/30/13	09/05/13	KWG1309272	
Benzo(k)fluoranthene	ND	U	0.020	0.0030	1	08/30/13	09/05/13	KWG1309272	
enzo(a)pyrene	ND	U	0.020	0.0043	1	08/30/13	09/05/13	KWG1309272	
deno(1,2,3-cd)pyrene	ND	U	0.020	0.0026	1	08/30/13	09/05/13	KWG1309272	
Dibenz(a,h)anthracene	ND	U	0.020	0.0025	1	08/30/13	09/05/13	KWG1309272	
Benzo(g,h,i)perylene	ND	U	0.020	0.0029	1	08/30/13	09/05/13	KWG1309272	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
Fluorene-d10	92	46-114	09/05/13	Acceptable
Fluoranthene-d10	93	51-121	09/05/13	Acceptable
Terphenyl-d14	105	58-140	09/05/13	Acceptable

Comments:

ALS Group USA, Corp. dba ALS Environmental

Analytical Results

Client:	JH Baxter & Company	**Service Request:**	K1308874
Project:	J.H. Baxter / Arlington	**Date Collected:**	08/26/2013
Sample Matrix:	Water	**Date Received:**	08/29/2013

Polynuclear Aromatic Hydrocarbons

Sample Name:	MW-16	**Units:**	ug/L
Lab Code:	K1308874-003	**Basis:**	NA
Extraction Method:	EPA 3520C	**Level:**	Low
Analysis Method:	8270D SIM		

Analyte Name	Result	Q	MRL	MDL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Note
Naphthalene	**0.13**		0.020	0.0038	1	08/30/13	09/05/13	KWG1309272	
2-Methylnaphthalene	ND	U	0.020	0.0023	1	08/30/13	09/05/13	KWG1309272	
Acenaphthylene	ND	U	0.020	0.0034	1	08/30/13	09/05/13	KWG1309272	
Acenaphthene	ND	U	0.020	0.0044	1	08/30/13	09/05/13	KWG1309272	
Fluorene	ND	U	0.020	0.0038	1	08/30/13	09/05/13	KWG1309272	
Phenanthrene	ND	U	0.020	0.0050	1	08/30/13	09/05/13	KWG1309272	
Anthracene	ND	U	0.020	0.0036	1	08/30/13	09/05/13	KWG1309272	
Fluoranthene	ND	U	0.020	0.010	1	08/30/13	09/05/13	KWG1309272	
Pyrene	ND	U	0.020	0.0053	1	08/30/13	09/05/13	KWG1309272	
Benz(a)anthracene	ND	U	0.020	0.0026	1	08/30/13	09/05/13	KWG1309272	
Chrysene	ND	U	0.020	0.0034	1	08/30/13	09/05/13	KWG1309272	
Benzo(b)fluoranthene	ND	U	0.020	0.0041	1	08/30/13	09/05/13	KWG1309272	
Benzo(k)fluoranthene	ND	U	0.020	0.0030	1	08/30/13	09/05/13	KWG1309272	
Benzo(a)pyrene	ND	U	0.020	0.0043	1	08/30/13	09/05/13	KWG1309272	
Indeno(1,2,3-cd)pyrene	ND	U	0.020	0.0026	1	08/30/13	09/05/13	KWG1309272	
Dibenz(a,h)anthracene	ND	U	0.020	0.0025	1	08/30/13	09/05/13	KWG1309272	
Benzo(g,h,i)perylene	ND	U	0.020	0.0029	1	08/30/13	09/05/13	KWG1309272	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
Fluorene-d10	89	46-114	09/05/13	Acceptable
Fluoranthene-d10	90	51-121	09/05/13	Acceptable
Terphenyl-d14	104	58-140	09/05/13	Acceptable

Comments:

ALS Group USA, Corp. dba ALS Environmental

Analytical Results

Client:	JH Baxter & Company	**Service Request:**	K1308874
Project:	J.H. Baxter / Arlington	**Date Collected:**	08/26/2013
Sample Matrix:	Water	**Date Received:**	08/29/2013

Polynuclear Aromatic Hydrocarbons

Sample Name:	MW-17	**Units:**	ug/L
Lab Code:	K1308874-004	**Basis:**	NA
Extraction Method:	EPA 3520C	**Level:**	Low
Analysis Method:	8270D SIM		

Analyte Name	Result	Q	MRL	MDL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Note
Naphthalene	**0.12**		0.020	0.0038	1	08/30/13	09/05/13	KWG1309272	
2-Methylnaphthalene	**0.0027**	J	0.020	0.0023	1	08/30/13	09/05/13	KWG1309272	
Acenaphthylene	ND	U	0.020	0.0034	1	08/30/13	09/05/13	KWG1309272	
Acenaphthene	ND	U	0.020	0.0044	1	08/30/13	09/05/13	KWG1309272	
Fluorene	ND	U	0.020	0.0038	1	08/30/13	09/05/13	KWG1309272	
Phenanthrene	ND	U	0.020	0.0050	1	08/30/13	09/05/13	KWG1309272	
Anthracene	ND	U	0.020	0.0036	1	08/30/13	09/05/13	KWG1309272	
Fluoranthene	ND	U	0.020	0.010	1	08/30/13	09/05/13	KWG1309272	
Pyrene	ND	U	0.020	0.0053	1	08/30/13	09/05/13	KWG1309272	
Benz(a)anthracene	ND	U	0.020	0.0026	1	08/30/13	09/05/13	KWG1309272	
Chrysene	ND	U	0.020	0.0034	1	08/30/13	09/05/13	KWG1309272	
Benzo(b)fluoranthene	ND	U	0.020	0.0041	1	08/30/13	09/05/13	KWG1309272	
Benzo(k)fluoranthene	ND	U	0.020	0.0030	1	08/30/13	09/05/13	KWG1309272	
enzo(a)pyrene	ND	U	0.020	0.0043	1	08/30/13	09/05/13	KWG1309272	
ndeno(1,2,3-cd)pyrene	ND	U	0.020	0.0026	1	08/30/13	09/05/13	KWG1309272	
Dibenz(a,h)anthracene	ND	U	0.020	0.0025	1	08/30/13	09/05/13	KWG1309272	
Benzo(g,h,i)perylene	ND	U	0.020	0.0029	1	08/30/13	09/05/13	KWG1309272	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
Fluorene-d10	91	46-114	09/05/13	Acceptable
Fluoranthene-d10	95	51-121	09/05/13	Acceptable
Terphenyl-d14	106	58-140	09/05/13	Acceptable

Comments:

ALS Group USA, Corp. dba ALS Environmental

Analytical Results

Client:	JH Baxter & Company	**Service Request:**	K1308874
Project:	J.H. Baxter / Arlington	**Date Collected:**	08/26/2013
Sample Matrix:	Water	**Date Received:**	08/29/2013

Polynuclear Aromatic Hydrocarbons

Sample Name:	MW-18	**Units:**	ug/L
Lab Code:	K1308874-005	**Basis:**	NA
Extraction Method:	EPA 3520C	**Level:**	Low
Analysis Method:	8270D SIM		

Analyte Name	Result	Q	MRL	MDL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Note
Naphthalene	**0.10**		0.020	0.0038	1	08/30/13	09/06/13	KWG1309272	
2-Methylnaphthalene	ND	U	0.020	0.0023	1	08/30/13	09/06/13	KWG1309272	
Acenaphthylene	ND	U	0.020	0.0034	1	08/30/13	09/06/13	KWG1309272	
Acenaphthene	ND	U	0.020	0.0044	1	08/30/13	09/06/13	KWG1309272	
Fluorene	ND	U	0.020	0.0038	1	08/30/13	09/06/13	KWG1309272	
Phenanthrene	ND	U	0.020	0.0050	1	08/30/13	09/06/13	KWG1309272	
Anthracene	ND	U	0.020	0.0036	1	08/30/13	09/06/13	KWG1309272	
Fluoranthene	ND	U	0.020	0.010	1	08/30/13	09/06/13	KWG1309272	
Pyrene	ND	U	0.020	0.0053	1	08/30/13	09/06/13	KWG1309272	
Benz(a)anthracene	ND	U	0.020	0.0026	1	08/30/13	09/06/13	KWG1309272	
Chrysene	ND	U	0.020	0.0034	1	08/30/13	09/06/13	KWG1309272	
Benzo(b)fluoranthene	ND	U	0.020	0.0041	1	08/30/13	09/06/13	KWG1309272	
Benzo(k)fluoranthene	ND	U	0.020	0.0030	1	08/30/13	09/06/13	KWG1309272	
Benzo(a)pyrene	ND	U	0.020	0.0043	1	08/30/13	09/06/13	KWG1309272	
Indeno(1,2,3-cd)pyrene	ND	U	0.020	0.0026	1	08/30/13	09/06/13	KWG1309272	
Dibenz(a,h)anthracene	ND	U	0.020	0.0025	1	08/30/13	09/06/13	KWG1309272	
Benzo(g,h,i)perylene	ND	U	0.020	0.0029	1	08/30/13	09/06/13	KWG1309272	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
Fluorene-d10	87	46-114	09/06/13	Acceptable
Fluoranthene-d10	86	51-121	09/06/13	Acceptable
Terphenyl-d14	100	58-140	09/06/13	Acceptable

Comments:

ALS Group USA, Corp. dba ALS Environmental

Analytical Results

Client:	JH Baxter & Company	**Service Request:**	K1308874
Project:	J.H. Baxter / Arlington	**Date Collected:**	08/26/2013
Sample Matrix:	Water	**Date Received:**	08/29/2013

Polynuclear Aromatic Hydrocarbons

Sample Name:	MW-2	**Units:**	ug/L
Lab Code:	K1308874-006	**Basis:**	NA
Extraction Method:	EPA 3520C	**Level:**	Low
Analysis Method:	8270D SIM		

Analyte Name	Result	Q	MRL	MDL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Note
Naphthalene	**0.097**		0.020	0.0038	1	08/30/13	09/05/13	KWG1309272	
2-Methylnaphthalene	**0.013**	J	0.020	0.0023	1	08/30/13	09/05/13	KWG1309272	
Acenaphthylene	ND	U	0.020	0.0034	1	08/30/13	09/05/13	KWG1309272	
Acenaphthene	ND	U	0.020	0.0044	1	08/30/13	09/05/13	KWG1309272	
Fluorene	**0.0038**	J	0.020	0.0038	1	08/30/13	09/05/13	KWG1309272	
Phenanthrene	ND	U	0.020	0.0050	1	08/30/13	09/05/13	KWG1309272	
Anthracene	**0.013**	J	0.020	0.0036	1	08/30/13	09/05/13	KWG1309272	
Fluoranthene	ND	U	0.020	0.010	1	08/30/13	09/05/13	KWG1309272	
Pyrene	ND	U	0.020	0.0053	1	08/30/13	09/05/13	KWG1309272	
Benz(a)anthracene	ND	U	0.020	0.0026	1	08/30/13	09/05/13	KWG1309272	
Chrysene	ND	U	0.020	0.0034	1	08/30/13	09/05/13	KWG1309272	
Benzo(b)fluoranthene	ND	U	0.020	0.0041	1	08/30/13	09/05/13	KWG1309272	
Benzo(k)fluoranthene	ND	U	0.020	0.0030	1	08/30/13	09/05/13	KWG1309272	
Benzo(a)pyrene	ND	U	0.020	0.0043	1	08/30/13	09/05/13	KWG1309272	
Indeno(1,2,3-cd)pyrene	ND	U	0.020	0.0026	1	08/30/13	09/05/13	KWG1309272	
Dibenz(a,h)anthracene	ND	U	0.020	0.0025	1	08/30/13	09/05/13	KWG1309272	
Benzo(g,h,i)perylene	ND	U	0.020	0.0029	1	08/30/13	09/05/13	KWG1309272	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
Fluorene-d10	92	46-114	09/05/13	Acceptable
Fluoranthene-d10	92	51-121	09/05/13	Acceptable
Terphenyl-d14	106	58-140	09/05/13	Acceptable

Comments:

ALS Group USA, Corp. dba ALS Environmental

Analytical Results

Client:	JH Baxter & Company	**Service Request:**	K1308874
Project:	J.H. Baxter / Arlington	**Date Collected:**	08/26/2013
Sample Matrix:	Water	**Date Received:**	08/29/2013

Polynuclear Aromatic Hydrocarbons

Sample Name:	MW-30	**Units:**	ug/L
Lab Code:	K1308874-015	**Basis:**	NA
Extraction Method:	EPA 3520C	**Level:**	Low
Analysis Method:	8270D SIM		

Analyte Name	Result	Q	MRL	MDL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Note
Naphthalene	**0.10**		0.020	0.0038	1	08/30/13	09/05/13	KWG1309272	
2-Methylnaphthalene	**0.0048**	J	0.020	0.0023	1	08/30/13	09/05/13	KWG1309272	
Acenaphthylene	ND	U	0.020	0.0034	1	08/30/13	09/05/13	KWG1309272	
Acenaphthene	ND	U	0.020	0.0044	1	08/30/13	09/05/13	KWG1309272	
Fluorene	ND	U	0.020	0.0038	1	08/30/13	09/05/13	KWG1309272	
Phenanthrene	**0.0051**	J	0.020	0.0050	1	08/30/13	09/05/13	KWG1309272	
Anthracene	ND	U	0.020	0.0036	1	08/30/13	09/05/13	KWG1309272	
Fluoranthene	ND	U	0.020	0.010	1	08/30/13	09/05/13	KWG1309272	
Pyrene	ND	U	0.020	0.0053	1	08/30/13	09/05/13	KWG1309272	
Benz(a)anthracene	ND	U	0.020	0.0026	1	08/30/13	09/05/13	KWG1309272	
Chrysene	ND	U	0.020	0.0034	1	08/30/13	09/05/13	KWG1309272	
Benzo(b)fluoranthene	ND	U	0.020	0.0041	1	08/30/13	09/05/13	KWG1309272	
Benzo(k)fluoranthene	ND	U	0.020	0.0030	1	08/30/13	09/05/13	KWG1309272	
Benzo(a)pyrene	ND	U	0.020	0.0043	1	08/30/13	09/05/13	KWG1309272	
Indeno(1,2,3-cd)pyrene	ND	U	0.020	0.0026	1	08/30/13	09/05/13	KWG1309272	
Dibenz(a,h)anthracene	ND	U	0.020	0.0025	1	08/30/13	09/05/13	KWG1309272	
Benzo(g,h,i)perylene	ND	U	0.020	0.0029	1	08/30/13	09/05/13	KWG1309272	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
Fluorene-d10	92	46-114	09/05/13	Acceptable
Fluoranthene-d10	93	51-121	09/05/13	Acceptable
Terphenyl-d14	105	58-140	09/05/13	Acceptable

Comments:

ALS Group USA, Corp. dba ALS Environmental

Analytical Results

Client:	JH Baxter & Company	**Service Request:**	K1308874
Project:	J.H. Baxter / Arlington	**Date Collected:**	NA
Sample Matrix:	Water	**Date Received:**	NA

Polynuclear Aromatic Hydrocarbons

Sample Name:	Method Blank	**Units:**	ug/L
Lab Code:	KWG1309272-5	**Basis:**	NA
Extraction Method:	EPA 3520C	**Level:**	Low
Analysis Method:	8270D SIM		

Analyte Name	Result	Q	MRL	MDL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Note
Naphthalene	ND	U	0.020	0.0038	1	08/30/13	09/06/13	KWG1309272	
2-Methylnaphthalene	**0.0027**	J	0.020	0.0023	1	08/30/13	09/06/13	KWG1309272	
Acenaphthylene	**0.0047**	J	0.020	0.0034	1	08/30/13	09/06/13	KWG1309272	
Acenaphthene	ND	U	0.020	0.0044	1	08/30/13	09/06/13	KWG1309272	
Fluorene	**0.0063**	J	0.020	0.0038	1	08/30/13	09/06/13	KWG1309272	
Phenanthrene	**0.0070**	J	0.020	0.0050	1	08/30/13	09/06/13	KWG1309272	
Anthracene	**0.0041**	J	0.020	0.0036	1	08/30/13	09/06/13	KWG1309272	
Fluoranthene	ND	U	0.020	0.010	1	08/30/13	09/06/13	KWG1309272	
Pyrene	ND	U	0.020	0.0053	1	08/30/13	09/06/13	KWG1309272	
Benz(a)anthracene	**0.0063**	J	0.020	0.0026	1	08/30/13	09/06/13	KWG1309272	
Chrysene	**0.0055**	J	0.020	0.0034	1	08/30/13	09/06/13	KWG1309272	
Benzo(b)fluoranthene	**0.0059**	J	0.020	0.0041	1	08/30/13	09/06/13	KWG1309272	
Benzo(k)fluoranthene	**0.0048**	J	0.020	0.0030	1	08/30/13	09/06/13	KWG1309272	
Benzo(a)pyrene	**0.0044**	J	0.020	0.0043	1	08/30/13	09/06/13	KWG1309272	
Indeno(1,2,3-cd)pyrene	**0.0053**	J	0.020	0.0026	1	08/30/13	09/06/13	KWG1309272	
Dibenz(a,h)anthracene	**0.0062**	J	0.020	0.0025	1	08/30/13	09/06/13	KWG1309272	
Benzo(g,h,i)perylene	**0.0096**	J	0.020	0.0029	1	08/30/13	09/06/13	KWG1309272	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
Fluorene-d10	94	46-114	09/06/13	Acceptable
Fluoranthene-d10	90	51-121	09/06/13	Acceptable
Terphenyl-d14	106	58-140	09/06/13	Acceptable

Comments:

ALS Group USA, Corp. dba ALS Environmental

QA/QC Report

Client: JH Baxter & Company
Project: J.H. Baxter / Arlington
Sample Matrix: Water

Service Request: K1308874

Surrogate Recovery Summary
Polynuclear Aromatic Hydrocarbons

Extraction Method: EPA 3520C
Analysis Method: 8270D SIM

Units: Percent
Level: Low

Sample Name	Lab Code	Sur1	Sur2	Sur3
MW-15	K1308874-002	92	93	105
MW-16	K1308874-003	89	90	104
MW-17	K1308874-004	91	95	106
MW-18	K1308874-005	87	86	100
MW-2	K1308874-006	92	92	106
MW-30	K1308874-015	92	93	105
Batch QC	K1308876-001	88	91	103
Method Blank	KWG1309272-5	94	90	106
Batch QCMS	KWG1309272-1	89	94	106
Batch QCDMS	KWG1309272-2	88	94	108
Lab Control Sample	KWG1309272-3	87	93	103
Duplicate Lab Control Sample	KWG1309272-4	89	97	107

Surrogate Recovery Control Limits (%)

Sur1 = Fluorene-d10	46-114
Sur2 = Fluoranthene-d10	51-121
Sur3 = Terphenyl-d14	58-140

Results flagged with an asterisk (*) indicate values outside control criteria.
Results flagged with a pound (#) indicate the control criteria is not applicable.

QA/QC Report

Client: JH Baxter & Company
Project: J.H. Baxter / Arlington

Service Request: K1308874
Date Analyzed: 09/05/2013
Time Analyzed: 06:53

Internal Standard Area and RT Summary
Polynuclear Aromatic Hydrocarbons

File ID: J:\MS11\DATA\090513\0905F002.D
Instrument ID: MS11
Analysis Method: 8270D SIM

Lab Code: KWG1309586-2
Analysis Lot: KWG1309586

		Naphthalene-d8		Acenaphthene-d10		Phenanthrene-d10	
		Area	RT	Area	RT	Area	RT
	Results ==>	142,549	4.92	77,221	6.33	144,867	7.56
	Upper Limit ==>	285,098	5.42	154,442	6.83	289,734	8.06
	Lower Limit ==>	71,275	4.42	38,611	5.83	72,434	7.06
	ICAL Result ==>	135,118	4.95	74,411	6.35	146,892	7.59
Associated Analyses							
MW-15	K1308874-002	156,793	4.92	85,044	6.33	167,318	7.56
MW-16	K1308874-003	158,412	4.92	86,789	6.33	170,858	7.56
MW-17	K1308874-004	157,355	4.92	85,148	6.33	165,964	7.56
MW-2	K1308874-006	158,041	4.92	85,450	6.33	166,659	7.56
MW-30	K1308874-015	160,669	4.92	86,123	6.33	170,176	7.56

Results flagged with an asterisk (*) indicate values outside control criteria.

ALS Group USA, Corp. dba ALS Environmental

QA/QC Report

Client: JH Baxter & Company
Project: J.H. Baxter / Arlington

Service Request: K1308874
Date Analyzed: 09/05/2013
Time Analyzed: 06:53

Internal Standard Area and RT Summary
Polynuclear Aromatic Hydrocarbons

File ID: J:\MS11\DATA\090513\0905F002.D
Instrument ID: MS11
Analysis Method: 8270D SIM

Lab Code: KWG1309586-2
Analysis Lot: KWG1309586

		Chrysene-d12		Perylene-d12	
		Area	RT	Area	RT
	Results ==>	175,348	10.30	175,467	13.95
	Upper Limit ==>	350,696	10.80	350,934	14.45
	Lower Limit ==>	87,674	9.80	87,734	13.45
	ICAL Result ==>	180,050	10.35	182,738	14.01
Associated Analyses					
MW-15	K1308874-002	186,612	10.31	189,905	13.95
MW-16	K1308874-003	184,527	10.30	189,315	13.95
MW-17	K1308874-004	186,921	10.31	189,998	13.95
MW-2	K1308874-006	185,853	10.31	191,131	13.95
MW-30	K1308874-015	187,773	10.30	188,380	13.95

Results flagged with an asterisk (*) indicate values outside control criteria.

Client: JH Baxter & Company
Project: J.H. Baxter / Arlington

Service Request: K1308874
Date Analyzed: 09/06/2013
Time Analyzed: 07:00

Internal Standard Area and RT Summary
Polynuclear Aromatic Hydrocarbons

File ID: J:\MS11\DATA\090613\0906F002.D
Instrument ID: MS11
Analysis Method: 8270D SIM

Lab Code: KWG1309643-2
Analysis Lot: KWG1309643

		Naphthalene-d8		Acenaphthene-d10		Phenanthrene-d10	
		Area	RT	Area	RT	Area	RT
	Results ==>	154,564	4.92	80,777	6.33	159,320	7.56
	Upper Limit ==>	309,128	5.42	161,554	6.83	318,640	8.06
	Lower Limit ==>	77,282	4.42	40,389	5.83	79,660	7.06
	ICAL Result ==>	135,118	4.95	74,411	6.35	146,892	7.59
Associated Analyses							
Method Blank	KWG1309272-5	160,144	4.92	85,412	6.33	167,171	7.56
Lab Control Sample	KWG1309272-3	161,041	4.92	84,735	6.33	161,664	7.56
Duplicate Lab Control Sample	KWG1309272-4	162,850	4.92	85,923	6.33	162,760	7.56
Batch QCMS	KWG1309272-1	156,630	4.92	85,306	6.33	169,974	7.56
Batch QCDMS	KWG1309272-2	160,825	4.92	86,900	6.33	170,669	7.55
Batch QC	K1308876-001	164,599	4.92	90,530	6.33	175,995	7.56

Results flagged with an asterisk (*) indicate values outside control criteria.

Client: JH Baxter & Company
Project: J.H. Baxter / Arlington

Service Request: K1308874
Date Analyzed: 09/06/2013
Time Analyzed: 07:00

Internal Standard Area and RT Summary
Polynuclear Aromatic Hydrocarbons

File ID: J:\MS11\DATA\090613\0906F002.D
Instrument ID: MS11
Analysis Method: 8270D SIM

Lab Code: KWG1309643-2
Analysis Lot: KWG1309643

		Chrysene-d12		Perylene-d12	
		Area	RT	Area	RT
	Results ==>	177,922	10.30	182,493	13.94
	Upper Limit ==>	355,844	10.80	364,986	14.44
	Lower Limit ==>	88,961	9.80	91,247	13.44
	ICAL Result ==>	180,050	10.35	182,738	14.01
Associated Analyses					
Method Blank	KWG1309272-5	179,797	10.31	179,203	13.95
Lab Control Sample	KWG1309272-3	182,882	10.31	188,168	13.95
Duplicate Lab Control Sample	KWG1309272-4	180,814	10.30	186,132	13.94
Batch QCMS	KWG1309272-1	191,030	10.31	199,051	13.95
Batch QCDMS	KWG1309272-2	189,773	10.30	196,285	13.95
Batch QC	K1308876-001	200,276	10.30	204,172	13.94

Results flagged with an asterisk (*) indicate values outside control criteria.

QA/QC Report

Client: JH Baxter & Company
Project: J.H. Baxter / Arlington

Service Request: K1308874
Date Analyzed: 09/06/2013
Time Analyzed: 19:50

Internal Standard Area and RT Summary
Polynuclear Aromatic Hydrocarbons

File ID: J:\MS11\DATA\090613\0906F031.D
Instrument ID: MS11
Analysis Method: 8270D SIM

Lab Code: KWG1309648-2
Analysis Lot: KWG1309648

		Naphthalene-d8		Acenaphthene-d10		Phenanthrene-d10	
		Area	RT	Area	RT	Area	RT
	Results ==>	153,736	4.92	81,070	6.33	156,234	7.56
	Upper Limit ==>	307,472	5.42	162,140	6.83	312,468	8.06
	Lower Limit ==>	76,868	4.42	40,535	5.83	78,117	7.06
	ICAL Result ==>	135,118	4.95	74,411	6.35	146,892	7.59
Associated Analyses							
MW-18	K1308874-005	166,191	4.92	89,423	6.33	176,017	7.56

Results flagged with an asterisk (*) indicate values outside control criteria.

ALS Group USA, Corp. dba ALS Environmental

QA/QC Report

Client: JH Baxter & Company
Project: J.H. Baxter / Arlington

Service Request: K1308874
Date Analyzed: 09/06/2013
Time Analyzed: 19:50

Internal Standard Area and RT Summary
Polynuclear Aromatic Hydrocarbons

File ID: J:\MS11\DATA\090613\0906F031.D
Instrument ID: MS11
Analysis Method: 8270D SIM

Lab Code: KWG1309648-2
Analysis Lot: KWG1309648

		Chrysene-d12		Perylene-d12	
		Area	RT	Area	RT
	Results ==>	181,292	10.30	186,464	13.95
	Upper Limit ==>	362,584	10.80	372,928	14.45
	Lower Limit ==>	90,646	9.80	93,232	13.45
	ICAL Result ==>	180,050	10.35	182,738	14.01
Associated Analyses					
MW-18	K1308874-005	192,761	10.31	198,014	13.95

Results flagged with an asterisk (*) indicate values outside control criteria.

ALS Group USA, Corp. dba ALS Environmental

QA/QC Report

Client:	JH Baxter & Company	**Service Request:**	K1308874
Project:	J.H. Baxter / Arlington	**Date Extracted:**	08/30/2013
Sample Matrix:	Water	**Date Analyzed:**	09/06/2013

Matrix Spike/Duplicate Matrix Spike Summary
Polynuclear Aromatic Hydrocarbons

Sample Name:	Batch QC	**Units:**	ug/L
Lab Code:	K1308876-001	**Basis:**	NA
Extraction Method:	EPA 3520C	**Level:**	Low
Analysis Method:	8270D SIM	**Extraction Lot:**	KWG1309272

		Batch QCMS KWG1309272-1 Matrix Spike			Batch QCDMS KWG1309272-2 Duplicate Matrix Spike					
Analyte Name	**Sample Result**	**Result**	**Spike Amount**	**%Rec**	**Result**	**Spike Amount**	**%Rec**	**%Rec Limits**	**RPD**	**RPD Limit**
Naphthalene	0.35	2.46	2.40	88	2.40	2.40	85	37-118	2	30
2-Methylnaphthalene	0.20	2.36	2.40	90	2.20	2.40	83	37-117	7	30
Acenaphthylene	0.0050	2.38	2.40	99	2.26	2.40	94	43-114	5	30
Acenaphthene	0.011	2.33	2.40	96	2.23	2.40	92	45-114	5	30
Fluorene	0.011	2.43	2.40	101	2.34	2.40	97	45-123	4	30
Phenanthrene	0.011	2.36	2.40	98	2.31	2.40	95	42-127	2	30
Anthracene	0.013	2.27	2.40	94	2.19	2.40	91	32-125	3	30
Fluoranthene	ND	2.43	2.40	101	2.37	2.40	98	48-134	3	30
Pyrene	0.0082	2.56	2.40	106	2.55	2.40	106	44-130	1	30
enz(a)anthracene	0.0066	2.44	2.40	101	2.37	2.40	98	41-128	3	30
hrysene	0.0063	2.42	2.40	101	2.37	2.40	98	48-128	2	30
Benzo(b)fluoranthene	0.0058	2.42	2.40	100	2.32	2.40	96	40-139	4	30
Benzo(k)fluoranthene	0.0051	2.53	2.40	105	2.50	2.40	104	48-134	1	30
Benzo(a)pyrene	0.0052	2.50	2.40	104	2.44	2.40	101	35-132	2	30
Indeno(1,2,3-cd)pyrene	0.0062	2.27	2.40	94	2.22	2.40	92	40-135	2	30
Dibenz(a,h)anthracene	0.0067	2.33	2.40	97	2.30	2.40	95	43-135	1	30
Benzo(g,h,i)perylene	0.010	2.37	2.40	98	2.34	2.40	97	44-128	1	30

Results flagged with an asterisk (*) indicate values outside control criteria.

Results flagged with a pound (#) indicate the control criteria is not applicable.

rcent recoveries and relative percent differences (RPD) are determined by the software using values in the calculation which have not been rounded.

ALS Group USA, Corp. dba ALS Environmental

QA/QC Report

Client: JH Baxter & Company
Project: J.H. Baxter / Arlington
Sample Matrix: Water

Service Request: K1308874
Date Extracted: 08/30/2013
Date Analyzed: 09/06/2013

Lab Control Spike/Duplicate Lab Control Spike Summary
Polynuclear Aromatic Hydrocarbons

Extraction Method: EPA 3520C
Analysis Method: 8270D SIM

Units: ug/L
Basis: NA
Level: Low
Extraction Lot: KWG1309272

	Lab Control Sample KWG1309272-3 Lab Control Spike			Duplicate Lab Control Sample KWG1309272-4 Duplicate Lab Control Spike					
Analyte Name	**Result**	**Spike Amount**	**%Rec**	**Result**	**Spike Amount**	**%Rec**	**%Rec Limits**	**RPD**	**RPD Limit**
Naphthalene	2.10	2.50	84	2.12	2.50	85	39-110	1	30
2-Methylnaphthalene	2.09	2.50	83	2.07	2.50	83	39-115	1	30
Acenaphthylene	2.34	2.50	94	2.37	2.50	95	44-115	1	30
Acenaphthene	2.25	2.50	90	2.28	2.50	91	44-113	1	30
Fluorene	2.35	2.50	94	2.35	2.50	94	48-118	0	30
Phenanthrene	2.41	2.50	96	2.44	2.50	97	47-120	1	30
Anthracene	2.31	2.50	92	2.36	2.50	94	44-117	2	30
Fluoranthene	2.46	2.50	98	2.48	2.50	99	48-128	1	30
Pyrene	2.57	2.50	103	2.67	2.50	107	42-133	4	30
Benz(a)anthracene	2.36	2.50	95	2.42	2.50	97	48-125	2	30
Chrysene	2.41	2.50	96	2.50	2.50	100	50-128	4	30
Benzo(b)fluoranthene	2.42	2.50	97	2.49	2.50	100	49-131	3	30
Benzo(k)fluoranthene	2.52	2.50	101	2.61	2.50	104	54-131	3	30
Benzo(a)pyrene	2.51	2.50	101	2.59	2.50	104	43-134	3	30
Indeno(1,2,3-cd)pyrene	2.33	2.50	93	2.44	2.50	97	45-133	4	30
Dibenz(a,h)anthracene	2.32	2.50	93	2.42	2.50	97	49-133	4	30
Benzo(g,h,i)perylene	2.37	2.50	95	2.49	2.50	100	51-124	5	30

Results flagged with an asterisk (*) indicate values outside control criteria.

Percent recoveries and relative percent differences (RPD) are determined by the software using values in the calculation which have not been rounded.

ALS Group USA, Corp. dba ALS Environmental

QA/QC Report

Client:	JH Baxter & Company	**Service Request:**	K1308874
Project:	J.H. Baxter / Arlington	**Date Extracted:**	08/30/2013
Sample Matrix:	Water	**Date Analyzed:**	09/06/2013
		Time Analyzed:	07:27

Method Blank Summary
Polynuclear Aromatic Hydrocarbons

Sample Name:	Method Blank	**Instrument ID:**	MS11
Lab Code:	KWG1309272-5	**File ID:**	J:\MS11\DATA\090613\0906F003.D
Extraction Method:	EPA 3520C	**Level:**	Low
Analysis Method:	8270D SIM	**Extraction Lot:**	KWG1309272

This Method Blank applies to the following analyses:

Sample Name	Lab Code	File ID	Date Analyzed	Time Analyzed
MW-15	K1308874-002	J:\MS11\DATA\090513\0905F023.D	09/05/13	16:12
MW-16	K1308874-003	J:\MS11\DATA\090513\0905F024.D	09/05/13	16:38
MW-17	K1308874-004	J:\MS11\DATA\090513\0905F025.D	09/05/13	17:05
MW-2	K1308874-006	J:\MS11\DATA\090513\0905F026.D	09/05/13	17:31
MW-30	K1308874-015	J:\MS11\DATA\090513\0905F027.D	09/05/13	17:58
Lab Control Sample	KWG1309272-3	J:\MS11\DATA\090613\0906F005.D	09/06/13	08:19
Duplicate Lab Control Sample	KWG1309272-4	J:\MS11\DATA\090613\0906F006.D	09/06/13	08:46
Batch QCMS	KWG1309272-1	J:\MS11\DATA\090613\0906F016.D	09/06/13	13:11
Batch QCDMS	KWG1309272-2	J:\MS11\DATA\090613\0906F017.D	09/06/13	13:38
Batch QC	K1308876-001	J:\MS11\DATA\090613\0906F018.D	09/06/13	14:05
MW-18	K1308874-005	J:\MS11\DATA\090613\0906F039.D	09/06/13	23:47

ALS Group USA, Corp. dba ALS Environmental

QA/QC Report

Client:	JH Baxter & Company	**Service Request:**	K1308874
Project:	J.H. Baxter / Arlington	**Date Extracted:**	08/30/2013
Sample Matrix:	Water	**Date Analyzed:**	09/06/2013
		Time Analyzed:	08:19

Lab Control Sample Summary
Polynuclear Aromatic Hydrocarbons

Sample Name:	Lab Control Sample	**Instrument ID:**	MS11
Lab Code:	KWG1309272-3	**File ID:**	J:\MS11\DATA\090613\0906F005.D
Extraction Method:	EPA 3520C	**Level:**	Low
Analysis Method:	8270D SIM	**Extraction Lot:**	KWG1309272

This Lab Control Sample applies to the following analyses:

Sample Name	Lab Code	File ID	Date Analyzed	Time Analyzed
MW-15	K1308874-002	J:\MS11\DATA\090513\0905F023.D	09/05/13	16:12
MW-16	K1308874-003	J:\MS11\DATA\090513\0905F024.D	09/05/13	16:38
MW-17	K1308874-004	J:\MS11\DATA\090513\0905F025.D	09/05/13	17:05
MW-2	K1308874-006	J:\MS11\DATA\090513\0905F026.D	09/05/13	17:31
MW-30	K1308874-015	J:\MS11\DATA\090513\0905F027.D	09/05/13	17:58
Method Blank	KWG1309272-5	J:\MS11\DATA\090613\0906F003.D	09/06/13	07:27
Batch QCMS	KWG1309272-1	J:\MS11\DATA\090613\0906F016.D	09/06/13	13:11
Batch QCDMS	KWG1309272-2	J:\MS11\DATA\090613\0906F017.D	09/06/13	13:38
Batch QC	K1308876-001	J:\MS11\DATA\090613\0906F018.D	09/06/13	14:05
MW-18	K1308874-005	J:\MS11\DATA\090613\0906F039.D	09/06/13	23:47

ALS Group USA, Corp. dba ALS Environmental

QA/QC Report

Client:	JH Baxter & Company	**Service Request:**	K1308874
Project:	J.H. Baxter / Arlington	**Date Extracted:**	08/30/2013
Sample Matrix:	Water	**Date Analyzed:**	09/06/2013
		Time Analyzed:	08:19

Lab Control Sample Summary
Polynuclear Aromatic Hydrocarbons

Sample Name:	Lab Control Sample	**Instrument ID:**	MS11
Lab Code:	KWG1309272-3	**File ID:**	J:\MS11\DATA\090613\0906F005.D
Extraction Method:	EPA 3520C	**Level:**	Low
Analysis Method:	8270D SIM	**Extraction Lot:**	KWG1309272

This Lab Control Sample applies to the following analyses:

Sample Name	Lab Code	File ID	Date Analyzed	Time Analyzed
MW-15	K1308874-002	J:\MS11\DATA\090513\0905F023.D	09/05/13	16:12
MW-16	K1308874-003	J:\MS11\DATA\090513\0905F024.D	09/05/13	16:38
MW-17	K1308874-004	J:\MS11\DATA\090513\0905F025.D	09/05/13	17:05
MW-2	K1308874-006	J:\MS11\DATA\090513\0905F026.D	09/05/13	17:31
MW-30	K1308874-015	J:\MS11\DATA\090513\0905F027.D	09/05/13	17:58
Method Blank	KWG1309272-5	J:\MS11\DATA\090613\0906F003.D	09/06/13	07:27
Batch QCMS	KWG1309272-1	J:\MS11\DATA\090613\0906F016.D	09/06/13	13:11
Batch QCDMS	KWG1309272-2	J:\MS11\DATA\090613\0906F017.D	09/06/13	13:38
Batch QC	K1308876-001	J:\MS11\DATA\090613\0906F018.D	09/06/13	14:05
MW-18	K1308874-005	J:\MS11\DATA\090613\0906F039.D	09/06/13	23:47

ALS Group USA, Corp. dba ALS Environmental

QA/QC Results

Client: JH Baxter & Company
Project: J.H. Baxter / Arlington

Service Request: K1308874
Date Analyzed: 09/05/2013
Time Analyzed: 06:26

Tune Summary
Polynuclear Aromatic Hydrocarbons

File ID: J:\MS11\DATA\090513\0905F001.D
Instrument ID: MS11
Column:

Analysis Method: 8270D SIM
Analysis Lot: KWG1309586

Target Mass	Relative to Mass	Lower Limit%	Upper Limit%	Relative Abundance %	Raw Abundance	Result Pass/Fail
51	198	10	80	29.4	24112	PASS
68	69	0	2	0.0	0	PASS
69	198	0	100	34.2	28072	PASS
70	69	0	2	0.0	0	PASS
127	198	10	80	42.1	34536	PASS
197	198	0	2	0.0	0	PASS
198	442	30	100	31.3	82064	PASS
199	198	5	9	6.3	5182	PASS
275	198	10	60	38.4	31504	PASS
365	442	1	50	1.7	4566	PASS
441	443	0	100	70.5	36112	PASS
442	442	100	100	100.0	261824	PASS
443	442	15	24	19.6	51256	PASS

Sample Name	Lab Code	File ID	Date Analyzed	Time Analyzed	Q
Continuing Calibration Verification	KWG1309586-2	J:\MS11\DATA\090513\0905F002.D	09/05/2013	06:53	
MW-15	K1308874-002	J:\MS11\DATA\090513\0905F023.D	09/05/2013	16:12	
MW-16	K1308874-003	J:\MS11\DATA\090513\0905F024.D	09/05/2013	16:38	
MW-17	K1308874-004	J:\MS11\DATA\090513\0905F025.D	09/05/2013	17:05	
MW-2	K1308874-006	J:\MS11\DATA\090513\0905F026.D	09/05/2013	17:31	
MW-30	K1308874-015	J:\MS11\DATA\090513\0905F027.D	09/05/2013	17:58	

Results flagged with an asterisk (*) indicate the analysis performed outside specified tune window

Client: JH Baxter & Company
Project: J.H. Baxter / Arlington

Service Request: K1308874
Date Analyzed: 09/06/2013
Time Analyzed: 06:34

Tune Summary
Polynuclear Aromatic Hydrocarbons

File ID: J:\MS11\DATA\090613\0906F001.D
Instrument ID: MS11
Column:

Analysis Method: 8270D SIM
Analysis Lot: KWG1309643

Target Mass	Relative to Mass	Lower Limit%	Upper Limit%	Relative Abundance %	Raw Abundance	Result Pass/Fail
51	198	10	80	30.0	77360	PASS
68	69	0	2	0.0	0	PASS
69	198	0	100	34.1	88112	PASS
70	69	0	2	0.7	590	PASS
127	198	10	80	42.5	109784	PASS
197	198	0	2	0.0	0	PASS
198	442	30	100	36.3	258240	PASS
199	198	5	9	6.7	17208	PASS
275	198	10	60	36.4	94048	PASS
365	442	1	50	1.9	13367	PASS
441	443	0	100	75.2	103432	PASS
442	442	100	100	100.0	712256	PASS
443	442	15	24	19.3	137472	PASS

Sample Name	Lab Code	File ID	Date Analyzed	Time Analyzed	Q
Continuing Calibration Verification	KWG1309643-2	J:\MS11\DATA\090613\0906F002.D	09/06/2013	07:00	
Method Blank	KWG1309272-5	J:\MS11\DATA\090613\0906F003.D	09/06/2013	07:27	
Lab Control Sample	KWG1309272-3	J:\MS11\DATA\090613\0906F005.D	09/06/2013	08:19	
Duplicate Lab Control Sample	KWG1309272-4	J:\MS11\DATA\090613\0906F006.D	09/06/2013	08:46	
Batch QCMS	KWG1309272-1	J:\MS11\DATA\090613\0906F016.D	09/06/2013	13:11	
Batch QCDMS	KWG1309272-2	J:\MS11\DATA\090613\0906F017.D	09/06/2013	13:38	
Batch QC	K1308876-001	J:\MS11\DATA\090613\0906F018.D	09/06/2013	14:05	

Results flagged with an asterisk (*) indicate the analysis performed outside specified tune window

ALS Group USA, Corp. dba ALS Environmental

QA/QC Results

Client: JH Baxter & Company
Project: J.H. Baxter / Arlington

Service Request: K1308874
Date Analyzed: 09/06/2013
Time Analyzed: 19:23

Tune Summary
Polynuclear Aromatic Hydrocarbons

File ID: J:\MS11\DATA\090613\0906F030.D
Instrument ID: MS11
Column:

Analysis Method: 8270D SIM
Analysis Lot: KWG1309648

Target Mass	Relative to Mass	Lower Limit%	Upper Limit%	Relative Abundance %	Raw Abundance	Result Pass/Fail
51	198	10	80	32.7	97272	PASS
68	69	0	2	0.0	0	PASS
69	198	0	100	36.1	107344	PASS
70	69	0	2	0.5	564	PASS
127	198	10	80	44.8	133248	PASS
197	198	0	2	0.0	0	PASS
198	442	30	100	40.8	297536	PASS
199	198	5	9	6.9	20496	PASS
275	198	10	60	35.8	106416	PASS
365	442	1	50	1.9	14083	PASS
441	443	0	100	74.8	107456	PASS
442	442	100	100	100.0	728832	PASS
443	442	15	24	19.7	143616	PASS

Sample Name	Lab Code	File ID	Date Analyzed	Time Analyzed	Q
Continuing Calibration Verification	KWG1309648-2	J:\MS11\DATA\090613\0906F031.D	09/06/2013	19:50	
MW-18	K1308874-005	J:\MS11\DATA\090613\0906F039.D	09/06/2013	23:47	

Results flagged with an asterisk (*) indicate the analysis performed outside specified tune window

Client: JH Baxter & Company
Project: J.H. Baxter / Arlington

Service Request: K1308874
Calibration Date: 08/20/2013

Initial Calibration Summary
Polynuclear Aromatic Hydrocarbons

Calibration ID: CAL12722
Instrument ID: MS11

Column: MS

Level ID	File ID
A	J:\MS11\DATA\082013\0820F022.D
B	J:\MS11\DATA\082013\0820F023.D
C	J:\MS11\DATA\082013\0820F024.D
D	J:\MS11\DATA\082013\0820F025.D
E	J:\MS11\DATA\082013\0820F026.D
F	J:\MS11\DATA\082013\0820F027.D
G	J:\MS11\DATA\082013\0820F028.D
H	J:\MS11\DATA\082013\0820F029.D
I	J:\MS11\DATA\082013\0820F030.D
J	J:\MS11\DATA\082013\0820F031.D

Analyte Name	Level ID	Amt	RRF	Level ID	Amt	RRF	Level ID	Amt	RRF	Level ID	Amt	RRF	Level ID	Amt	RRF
Naphthalene	A	2.0	1.08	B	4.0	1.05	C	8.0	1.06	D	20	1.02	E	100	0.955
	F	200	0.960	G	400	0.920	H	1000	0.838	I	1600	0.790	J	2000	0.753
2-Methylnaphthalene	A	2.0	0.720	B	4.0	0.715	C	8.0	0.727	D	20	0.715	E	100	0.678
	F	200	0.686	G	400	0.661	H	1000	0.606	I	1600	0.576	J	2000	0.545
Acenaphthylene	A	2.0	1.85	B	4.0	1.88	C	8.0	1.86	D	20	1.85	E	100	1.80
	F	200	1.87	G	400	1.84	H	1000	1.66	I	1600	1.56	J	2000	1.47
Acenaphthene	A	2.0	1.15	B	4.0	1.13	C	8.0	1.14	D	20	1.11	E	100	1.05
	F	200	1.07	G	400	1.04	H	1000	0.965	I	1600	0.925	J	2000	0.872
Fluorene	A	2.0	1.42	B	4.0	1.35	C	8.0	1.38	D	20	1.35	E	100	1.32
	F	200	1.33	G	400	1.29	H	1000	1.19	I	1600	1.11	J	2000	1.07
Phenanthrene	A	2.0	1.22	B	4.0	1.14	C	8.0	1.09	D	20	1.02	E	100	0.978
	F	200	0.970	G	400	0.970	H	1000	0.866	I	1600	0.816	J	2000	0.744
Anthracene	A	2.0	1.07	B	4.0	1.06	C	8.0	1.06	D	20	1.02	E	100	1.02
	F	200	1.04	G	400	1.02	H	1000	0.892	I	1600	0.849	J	2000	0.789
Fluoranthene	A	2.0	1.17	B	4.0	1.21	C	8.0	1.21	D	20	1.19	E	100	1.19
	F	200	1.21	G	400	1.17	H	1000	1.01	I	1600	0.942	J	2000	0.870
Pyrene	A	2.0	1.09	B	4.0	1.13	C	8.0	1.15	D	20	1.03	E	100	1.01
	F	200	1.02	G	400	1.02	H	1000	0.927	I	1600	0.877	J	2000	0.821
Benz(a)anthracene	A	2.0	1.23	B	4.0	1.09	C	8.0	1.08	D	20	1.01	E	100	0.964
	F	200	0.995	G	400	1.02	H	1000	0.979	I	1600	0.949	J	2000	0.919
Chrysene	A	2.0	0.982	B	4.0	1.00	C	8.0	0.997	D	20	0.993	E	100	0.956
	F	200	0.973	G	400	0.967	H	1000	0.896	I	1600	0.869	J	2000	0.809
Benzo(b)fluoranthene	A	2.0	1.07	B	4.0	1.05	C	8.0	1.09	D	20	1.07	E	100	1.09
	F	200	1.13	G	400	1.12	H	1000	1.05	I	1600	1.03	J	2000	1.01
Benzo(k)fluoranthene	A	2.0	0.942	B	4.0	1.03	C	8.0	1.05	D	20	1.02	E	100	1.03
	F	200	1.05	G	400	1.06	H	1000	0.985	I	1600	0.955	J	2000	0.885
Benzo(a)pyrene	A	2.0	0.802	B	4.0	0.835	C	8.0	0.887	D	20	0.900	E	100	0.927
	F	200	0.970	G	400	0.992	H	1000	0.956	I	1600	0.931	J	2000	0.898

Results flagged with an asterisk (*) indicate values outside control criteria.

* SPCC Compound ‡ CCC Compound

Client: JH Baxter & Company
Project: J.H. Baxter / Arlington

Service Request: K1308874
Calibration Date: 08/20/2013

Initial Calibration Summary
Polynuclear Aromatic Hydrocarbons

Calibration ID: CAL12722
Instrument ID: MS11

Column: MS

Analyte Name	Level ID	Amt	RRF	Level ID	Amt	RRF	Level ID	Amt	RRF	Level ID	Amt	RRF	Level ID	Amt	RRF
Indeno(1,2,3-cd)pyrene	A	2.0	0.894	B	4.0	0.879	C	8.0	0.904	D	20	0.888	E	100	0.888
	F	200	0.943	G	400	0.939	H	1000	0.877	I	1600	0.855	J	2000	0.828
Dibenz(a,h)anthracene	A	2.0	0.987	B	4.0	0.988	C	8.0	1.00	D	20	0.970	E	100	0.952
	F	200	0.970	G	400	0.969	H	1000	0.898	I	1600	0.870	J	2000	0.821
Benzo(g,h,i)perylene	A	2.0	1.15	B	4.0	1.11	C	8.0	1.10	D	20	1.06	E	100	1.03
	F	200	1.05	G	400	1.02	H	1000	0.922	I	1600	0.888	J	2000	0.846
Fluorene-d10	A	2.0	1.21	B	4.0	1.13	C	8.0	1.17	D	20	1.13	E	100	1.10
	F	200	1.12	G	400	1.11	H	1000	1.03	I	1600	0.987	J	2000	0.943
Fluoranthene-d10	A	2.0	1.08	B	4.0	1.04	C	8.0	1.07	D	20	1.04	E	100	1.05
	F	200	1.08	G	400	1.08	H	1000	0.978	I	1600	0.921	J	2000	0.854
Terphenyl-d14	A	2.0	0.746	B	4.0	0.700	C	8.0	0.727	D	20	0.688	E	100	0.668
	F	200	0.684	G	400	0.690	H	1000	0.645	I	1600	0.625	J	2000	0.592

Results flagged with an asterisk (*) indicate values outside control criteria.

† SPCC Compound **‡ CCC Compound**

Client: JH Baxter & Company
Project: J.H. Baxter / Arlington

Service Request: K1308874
Calibration Date: 08/20/2013

Initial Calibration Summary
Polynuclear Aromatic Hydrocarbons

Calibration ID: CAL12722
Instrument ID: MS11

Column: MS

		Calibration Evaluation					RRF Evaluation		
Analyte Name	Compound Type	Fit Type	Eval.	Eval. Result	Q	Control Criteria	Average RRF	Q	Minimum RRF
Naphthalene	MS	AverageRF	% RSD	12.3		≤ 20	0.942		0.70
2-Methylnaphthalene	MS	AverageRF	% RSD	9.8		≤ 20	0.663		0.40
Acenaphthylene	MS	AverageRF	% RSD	8.4		≤ 20	1.77		0.90
Acenaphthene	MS	AverageRF	% RSD	9.2		≤ 20	1.05		0.90
Fluorene	MS	AverageRF	% RSD	9.2		≤ 20	1.28		0.90
Phenanthrene	MS	AverageRF	% RSD	14.9		≤ 20	0.981		0.70
Anthracene	MS	AverageRF	% RSD	10.2		≤ 20	0.981		0.70
Fluoranthene	MS	AverageRF	% RSD	11.3		≤ 20	1.12		0.60
Pyrene	MS	AverageRF	% RSD	10.5		≤ 20	1.01		0.60
Benz(a)anthracene	MS	AverageRF	% RSD	8.9		≤ 20	1.02		0.80
Chrysene	MS	AverageRF	% RSD	6.8		≤ 20	0.944		0.70
Benzo(b)fluoranthene	MS	AverageRF	% RSD	3.5		≤ 20	1.07		0.70
Benzo(k)fluoranthene	MS	AverageRF	% RSD	5.7		≤ 20	1.00		0.70
Benzo(a)pyrene	MS	AverageRF	% RSD	6.5		≤ 20	0.910		0.70
Indeno(1,2,3-cd)pyrene	MS	AverageRF	% RSD	3.9		≤ 20	0.889		0.50
Dibenz(a,h)anthracene	MS	AverageRF	% RSD	6.3		≤ 20	0.943		0.40
Benzo(g,h,i)perylene	MS	AverageRF	% RSD	9.8		≤ 20	1.02		0.50
Fluorene-d10	SURR	AverageRF	% RSD	7.6		≤ 20	1.09		0.01
Fluoranthene-d10	SURR	AverageRF	% RSD	7.6		≤ 20	1.02		0.01
Terphenyl-d14	SURR	AverageRF	% RSD	6.8		≤ 20	0.676		0.01

Results flagged with an asterisk (*) indicate values outside control criteria.

SPCC Compound ‡ **CCC Compound**

ALS Group USA, Corp. dba ALS Environmental

QA/QC Results

Client: JH Baxter & Company
Project: J.H. Baxter / Arlington

Service Request: K1308874
Calibration Date: 08/20/2013
Date Analyzed: 08/20/2013

Second Source Calibration Verification
Polynuclear Aromatic Hydrocarbons

Calibration Type: Internal Standard
Analysis Method: 8270D SIM

Calibration ID: CAL12722
Units: ng/ml

File ID: J:\MS11\DATA\082013\0820F032.D
J:\MS11\DATA\082013\0820F033.D

Analyte Name	Expected	Result	Average RF	SSV RF	%D	%Drift	Criteria	Curve Fit
Naphthalene	400	400	0.942	0.949	1	NA	± 30 %	AverageRF
2-Methylnaphthalene	400	390	0.663	0.651	-2	NA	± 30 %	AverageRF
Acenaphthylene	400	420	1.77	1.84	4	NA	± 30 %	AverageRF
Acenaphthene	400	400	1.05	1.04	0	NA	± 30 %	AverageRF
Fluorene	400	410	1.28	1.32	3	NA	± 30 %	AverageRF
Phenanthrene	400	400	0.981	0.981	0	NA	± 30 %	AverageRF
Anthracene	400	400	0.981	0.991	1	NA	± 30 %	AverageRF
Fluoranthene	400	430	1.12	1.19	7	NA	± 30 %	AverageRF
Pyrene	400	390	1.01	0.991	-2	NA	± 30 %	AverageRF
Benz(a)anthracene	400	390	1.02	1.00	-2	NA	± 30 %	AverageRF
Chrysene	400	410	0.944	0.956	1	NA	± 30 %	AverageRF
Benzo(b)fluoranthene	400	420	1.07	1.12	4	NA	± 30 %	AverageRF
Benzo(k)fluoranthene	400	430	1.00	1.07	7	NA	± 30 %	AverageRF
Benzo(a)pyrene	400	440	0.910	1.01	11	NA	± 30 %	AverageRF
Indeno(1,2,3-cd)pyrene	400	430	0.889	0.952	7	NA	± 30 %	AverageRF
Dibenz(a,h)anthracene	400	410	0.943	0.961	2	NA	± 30 %	AverageRF
Benzo(g,h,i)perylene	400	390	1.02	1.00	-2	NA	± 30 %	AverageRF

Results flagged with an asterisk (*) indicate values outside control criteria.

† **SPCC Compound** ‡ **CCC Compound**

ALS Group USA, Corp. dba ALS Environmental

QA/QC Results

Client: JH Baxter & Company
Project: J.H. Baxter / Arlington

Service Request: K1308874
Date Analyzed: 09/05/2013

Continuing Calibration Verification Summary
Polynuclear Aromatic Hydrocarbons

Calibration Type: Internal Standard
Analysis Method: 8270D SIM

Calibration Date: 08/20/2013
Calibration ID: CAL12722
Analysis Lot: KWG1309586
Units: ng/ml

File ID: J:\MS11\DATA\090513\0905F002.D

Analyte Name	Expected	Result	Min RF	Average RF	CCV RF	%D		%Drift	Criteria	Curve Fit
Naphthalene	400	420	0.70	0.942	0.986	5		NA	± 20 %	AverageRF
2-Methylnaphthalene	400	410	0.40	0.663	0.685	3		NA	± 20 %	AverageRF
Acenaphthylene	400	460	0.90	1.77	2.02	14		NA	± 20 %	AverageRF
Acenaphthene	400	430	0.90	1.05	1.13	8		NA	± 20 %	AverageRF
Fluorene	400	440	0.90	1.28	1.40	9		NA	± 20 %	AverageRF
Phenanthrene	400	450	0.70	0.981	1.10	13		NA	± 20 %	AverageRF
Anthracene	400	460	0.70	0.981	1.13	15		NA	± 20 %	AverageRF
Fluoranthene	400	470	0.60	1.12	1.30	17		NA	± 20 %	AverageRF
Pyrene	400	460	0.60	1.01	1.16	16		NA	± 20 %	AverageRF
Benz(a)anthracene	400	440	0.80	1.02	1.12	9		NA	± 20 %	AverageRF
Chrysene	400	440	0.70	0.944	1.04	10		NA	± 20 %	AverageRF
Benzo(b)fluoranthene	400	440	0.70	1.07	1.17	9		NA	± 20 %	AverageRF
Benzo(k)fluoranthene	400	450	0.70	1.00	1.12	12		NA	± 20 %	AverageRF
Benzo(a)pyrene	400	470	0.70	0.910	1.07	17		NA	± 20 %	AverageRF
Indeno(1,2,3-cd)pyrene	400	460	0.50	0.889	1.02	15		NA	± 20 %	AverageRF
Dibenz(a,h)anthracene	400	440	0.40	0.943	1.05	11		NA	± 20 %	AverageRF
Benzo(g,h,i)perylene	400	430	0.50	1.02	1.10	8		NA	± 20 %	AverageRF
Fluorene-d10	400	430	0.01	1.09	1.18	8		NA	± 20 %	AverageRF
Fluoranthene-d10	400	490	0.01	1.02	1.24	22	*	NA	± 20 %	AverageRF
Terphenyl-d14	400	460	0.01	0.676	0.785	16		NA	± 20 %	AverageRF

Results flagged with an asterisk (*) indicate values outside control criteria.

SPCC Compound ‡ **CCC Compound**

ALS Group USA, Corp. dba ALS Environmental

QA/QC Results

Client: JH Baxter & Company
Project: J.H. Baxter / Arlington

Service Request: K1308874
Date Analyzed: 09/06/2013

Continuing Calibration Verification Summary
Polynuclear Aromatic Hydrocarbons

Calibration Type: Internal Standard
Analysis Method: 8270D SIM

Calibration Date: 08/20/2013
Calibration ID: CAL12722
Analysis Lot: KWG1309643
Units: ng/ml

File ID: J:\MS11\DATA\090613\0906F002.D

Analyte Name	Expected	Result	Min RF	Average RF	CCV RF	%D	%Drift	Criteria	Curve Fit
Naphthalene	400	400	0.70	0.942	0.936	-1	NA	± 20 %	AverageRF
2-Methylnaphthalene	400	390	0.40	0.663	0.641	-3	NA	± 20 %	AverageRF
Acenaphthylene	400	440	0.90	1.77	1.92	9	NA	± 20 %	AverageRF
Acenaphthene	400	420	0.90	1.05	1.09	4	NA	± 20 %	AverageRF
Fluorene	400	420	0.90	1.28	1.34	5	NA	± 20 %	AverageRF
Phenanthrene	400	410	0.70	0.981	0.995	1	NA	± 20 %	AverageRF
Anthracene	400	420	0.70	0.981	1.03	5	NA	± 20 %	AverageRF
Fluoranthene	400	420	0.60	1.12	1.18	5	NA	± 20 %	AverageRF
Pyrene	400	450	0.60	1.01	1.13	12	NA	± 20 %	AverageRF
Benz(a)anthracene	400	410	0.80	1.02	1.06	3	NA	± 20 %	AverageRF
Chrysene	400	420	0.70	0.944	1,00	6	NA	± 20 %	AverageRF
Benzo(b)fluoranthene	400	420	0.70	1.07	1.12	5	NA	± 20 %	AverageRF
Benzo(k)fluoranthene	400	430	0.70	1.00	1.08	8	NA	± 20 %	AverageRF
Benzo(a)pyrene	400	450	0.70	0.910	1.02	13	NA	± 20 %	AverageRF
Indeno(1,2,3-cd)pyrene	400	420	0.50	0.889	0.934	5	NA	± 20 %	AverageRF
Dibenz(a,h)anthracene	400	410	0.40	0.943	0.978	4	NA	± 20 %	AverageRF
Benzo(g,h,i)perylene	400	420	0.50	1.02	1.05	4	NA	± 20 %	AverageRF
Fluorene-d10	400	420	0.01	1.09	1.16	6	NA	± 20 %	AverageRF
Fluoranthene-d10	400	430	0.01	1.02	1.10	8	NA	± 20 %	AverageRF
Terphenyl-d14	400	450	0.01	0.676	0.757	12	NA	± 20 %	AverageRF

Results flagged with an asterisk (*) indicate values outside control criteria.

† SPCC Compound **‡ CCC Compound**

Client: JH Baxter & Company
Project: J.H. Baxter / Arlington

Service Request: K1308874
Date Analyzed: 09/06/2013

Continuing Calibration Verification Summary
Polynuclear Aromatic Hydrocarbons

Calibration Type: Internal Standard
Analysis Method: 8270D SIM

Calibration Date: 08/20/2013
Calibration ID: CAL12722
Analysis Lot: KWG1309648
Units: ng/ml

File ID: J:\MS11\DATA\090613\0906F031.D

Analyte Name	Expected	Result	Min RF	Average RF	CCV RF	%D	%Drift	Criteria	Curve Fit
Naphthalene	400	390	0.70	0.942	0.929	-1	NA	± 20 %	AverageRF
2-Methylnaphthalene	400	380	0.40	0.663	0.637	-4	NA	± 20 %	AverageRF
Acenaphthylene	400	430	0.90	1.77	1.90	7	NA	± 20 %	AverageRF
Acenaphthene	400	410	0.90	1.05	1.08	3	NA	± 20 %	AverageRF
Fluorene	400	420	0.90	1.28	1.33	4	NA	± 20 %	AverageRF
Phenanthrene	400	420	0.70	0.981	1.03	5	NA	± 20 %	AverageRF
Anthracene	400	430	0.70	0.981	1.05	7	NA	± 20 %	AverageRF
Fluoranthene	400	430	0.60	1.12	1.20	7	NA	± 20 %	AverageRF
Pyrene	400	440	0.60	1.01	1.10	9	NA	± 20 %	AverageRF
Benz(a)anthracene	400	400	0.80	1.02	1.03	0	NA	± 20 %	AverageRF
Chrysene	400	410	0.70	0.944	0.972	3	NA	± 20 %	AverageRF
Benzo(b)fluoranthene	400	390	0.70	1.07	1.05	-2	NA	± 20 %	AverageRF
Benzo(k)fluoranthene	400	420	0.70	1.00	1.05	5	NA	± 20 %	AverageRF
Benzo(a)pyrene	400	430	0.70	0.910	0.974	7	NA	± 20 %	AverageRF
Indeno(1,2,3-cd)pyrene	400	370	0.50	0.889	0.819	-8	NA	± 20 %	AverageRF
Dibenz(a,h)anthracene	400	380	0.40	0.943	0.905	-4	NA	± 20 %	AverageRF
Benzo(g,h,i)perylene	400	400	0.50	1.02	1.01	-1	NA	± 20 %	AverageRF
Fluorene-d10	400	420	0.01	1.09	1.15	5	NA	± 20 %	AverageRF
Fluoranthene-d10	400	450	0.01	1.02	1.14	12	NA	± 20 %	AverageRF
Terphenyl-d14	400	450	0.01	0.676	0.761	12	NA	± 20 %	AverageRF

Results flagged with an asterisk (*) indicate values outside control criteria.

*** SPCC Compound** **‡ CCC Compound**

ALS Group USA, Corp. dba ALS Environmental

QA/QC Results

Client: JH Baxter & Company
Project: J.H. Baxter / Arlington

Service Request: K1308874

Analysis Run Log
Polynuclear Aromatic Hydrocarbons

Analysis Method: 8270D SIM

Analysis Lot: KWG1309586
Instrument ID: MS11

File ID	Sample Name	Lab Code	Date Analysis Started	Start Time	Q	Date Analysis Finished	Finish Time
0905F001.D	GC/MS Tuning - Decafluorotriphenylph	KWG1309586-1	9/5/2013	06:26		9/5/2013	06:45
0905F002.D	Continuing Calibration Verification	KWG1309586-2	9/5/2013	06:53		9/5/2013	07:13
0905F003.D	ZZZZZZ	ZZZZZZ	9/5/2013	07:19		9/5/2013	07:39
0905F004.D	ZZZZZZ	ZZZZZZ	9/5/2013	07:46		9/5/2013	08:06
0905F005.D	ZZZZZZ	ZZZZZZ	9/5/2013	08:13		9/5/2013	08:33
0905F006.D	ZZZZZZ	ZZZZZZ	9/5/2013	08:39		9/5/2013	08:59
0905F007.D	ZZZZZZ	ZZZZZZ	9/5/2013	09:07		9/5/2013	09:27
0905F008.D	ZZZZZZ	ZZZZZZ	9/5/2013	09:33		9/5/2013	09:53
0905F009.D	ZZZZZZ	ZZZZZZ	9/5/2013	10:00		9/5/2013	10:19
0905F010.D	ZZZZZZ	ZZZZZZ	9/5/2013	10:26		9/5/2013	10:46
0905F011.D	ZZZZZZ	ZZZZZZ	9/5/2013	10:53		9/5/2013	11:13
0905F012.D	ZZZZZZ	ZZZZZZ	9/5/2013	11:19		9/5/2013	11:39
0905F013.D	ZZZZZZ	ZZZZZZ	9/5/2013	11:46		9/5/2013	12:06
0905F014.D	ZZZZZZ	ZZZZZZ	9/5/2013	12:12		9/5/2013	12:32
0905F015.D	ZZZZZZ	ZZZZZZ	9/5/2013	12:39		9/5/2013	12:59
0905F016.D	ZZZZZZ	ZZZZZZ	9/5/2013	13:05		9/5/2013	13:25
0905F017.D	ZZZZZZ	ZZZZZZ	9/5/2013	13:32		9/5/2013	13:52
0905F018.D	ZZZZZZ	ZZZZZZ	9/5/2013	13:58		9/5/2013	14:18
0905F019.D	ZZZZZZ	ZZZZZZ	9/5/2013	14:25		9/5/2013	14:45
0905F020.D	ZZZZZZ	ZZZZZZ	9/5/2013	14:52		9/5/2013	15:12
0905F021.D	ZZZZZZ	ZZZZZZ	9/5/2013	15:18		9/5/2013	15:38
0905F022.D	ZZZZZZ	ZZZZZZ	9/5/2013	15:45		9/5/2013	16:05
0905F023.D	MW-15	K1308874-002	9/5/2013	16:12		9/5/2013	16:32
0905F024.D	MW-16	K1308874-003	9/5/2013	16:38		9/5/2013	16:58
0905F025.D	MW-17	K1308874-004	9/5/2013	17:05		9/5/2013	17:25
0905F026.D	MW-2	K1308874-006	9/5/2013	17:31		9/5/2013	17:51
0905F027.D	MW-30	K1308874-015	9/5/2013	17:58		9/5/2013	18:18

Results flagged with an asterisk (*) indicate the holding time was exceeded for the analysis

ALS Group USA, Corp. dba ALS Environmental

QA/QC Results

Client: JH Baxter & Company
Project: J.H. Baxter / Arlington

Service Request: K1308874

Analysis Run Log
Polynuclear Aromatic Hydrocarbons

Analysis Method: 8270D SIM

Analysis Lot: KWG1309643
Instrument ID: MS11

File ID	Sample Name	Lab Code	Date Analysis Started	Start Time	Q	Date Analysis Finished	Finish Time
0906F001.D	GC/MS Tuning - Decafluorotriphenylph	KWG1309643-1	9/6/2013	06:34		9/6/2013	06:54
0906F002.D	Continuing Calibration Verification	KWG1309643-2	9/6/2013	07:00		9/6/2013	07:20
0906F003.D	Method Blank	KWG1309272-5	9/6/2013	07:27		9/6/2013	07:47
0906F004.D	ZZZZZZ	ZZZZZZ	9/6/2013	07:53		9/6/2013	08:13
0906F005.D	Lab Control Sample	KWG1309272-3	9/6/2013	08:19		9/6/2013	08:38
0906F006.D	Duplicate Lab Control Sample	KWG1309272-4	9/6/2013	08:46		9/6/2013	09:06
0906F007.D	ZZZZZZ	ZZZZZZ	9/6/2013	09:13		9/6/2013	09:33
0906F008.D	ZZZZZZ	ZZZZZZ	9/6/2013	09:39		9/6/2013	09:59
0906F009.D	ZZZZZZ	ZZZZZZ	9/6/2013	10:06		9/6/2013	10:26
0906F010.D	ZZZZZZ	ZZZZZZ	9/6/2013	10:32		9/6/2013	10:52
0906F011.D	ZZZZZZ	ZZZZZZ	9/6/2013	10:59		9/6/2013	11:19
0906F012.D	ZZZZZZ	ZZZZZZ	9/6/2013	11:26		9/6/2013	11:46
0906F013.D	ZZZZZZ	ZZZZZZ	9/6/2013	11:52		9/6/2013	12:12
0906F014.D	ZZZZZZ	ZZZZZZ	9/6/2013	12:18		9/6/2013	12:38
0906F015.D	ZZZZZZ	ZZZZZZ	9/6/2013	12:45		9/6/2013	13:05
0906F016.D	Batch QCMS	KWG1309272-1	9/6/2013	13:11		9/6/2013	13:31
0906F017.D	Batch QCDMS	KWG1309272-2	9/6/2013	13:38		9/6/2013	13:58
0906F018.D	Batch QC	K1308876-001	9/6/2013	14:05		9/6/2013	14:25
0906F019.D	ZZZZZZ	ZZZZZZ	9/6/2013	14:32		9/6/2013	14:52
0906F020.D	ZZZZZZ	ZZZZZZ	9/6/2013	14:58		9/6/2013	15:18
0906F021.D	ZZZZZZ	ZZZZZZ	9/6/2013	15:24		9/6/2013	15:44
0906F022.D	ZZZZZZ	ZZZZZZ	9/6/2013	15:51		9/6/2013	16:11
0906F023.D	ZZZZZZ	ZZZZZZ	9/6/2013	16:17		9/6/2013	16:37
0906F024.D	ZZZZZZ	ZZZZZZ	9/6/2013	16:44		9/6/2013	17:04
0906F025.D	ZZZZZZ	ZZZZZZ	9/6/2013	17:11		9/6/2013	17:31
0906F026.D	ZZZZZZ	ZZZZZZ	9/6/2013	17:37		9/6/2013	17:57
0906F027.D	ZZZZZZ	ZZZZZZ	9/6/2013	18:04		9/6/2013	18:24

Results flagged with an asterisk (*) indicate the holding time was exceeded for the analysis

ALS Group USA, Corp. dba ALS Environmental

QA/QC Results

Client: JH Baxter & Company
Project: J.H. Baxter / Arlington

Service Request: K1308874

Analysis Run Log
Polynuclear Aromatic Hydrocarbons

Analysis Method: 8270D SIM

Analysis Lot: KWG1309648
Instrument ID: MS11

File ID	Sample Name	Lab Code	Date Analysis Started	Start Time	Q	Date Analysis Finished	Finish Time
0906F030.D	GC/MS Tuning - Decafluorotriphenylph	KWG1309648-1	9/6/2013	19:23		9/6/2013	19:43
0906F031.D	Continuing Calibration Verification	KWG1309648-2	9/6/2013	19:50		9/6/2013	20:10
0906F033.D	ZZZZZZ	ZZZZZZ	9/6/2013	21:09		9/6/2013	21:29
0906F034.D	ZZZZZZ	ZZZZZZ	9/6/2013	21:36		9/6/2013	21:56
0906F035.D	ZZZZZZ	ZZZZZZ	9/6/2013	22:02		9/6/2013	22:22
0906F036.D	ZZZZZZ	ZZZZZZ	9/6/2013	22:28		9/6/2013	22:48
0906F037.D	ZZZZZZ	ZZZZZZ	9/6/2013	22:55		9/6/2013	23:15
0906F038.D	ZZZZZZ	ZZZZZZ	9/6/2013	23:21		9/6/2013	23:41
0906F039.D	MW-18	K1308874-005	9/6/2013	23:47		9/7/2013	00:07
0906F040.D	ZZZZZZ	ZZZZZZ	9/7/2013	00:14		9/7/2013	00:34
0906F041.D	ZZZZZZ	ZZZZZZ	9/7/2013	00:40		9/7/2013	01:00
0906F042.D	ZZZZZZ	ZZZZZZ	9/7/2013	01:06		9/7/2013	01:26
0906F043.D	ZZZZZZ	ZZZZZZ	9/7/2013	01:33		9/7/2013	01:53
0906F044.D	ZZZZZZ	ZZZZZZ	9/7/2013	01:59		9/7/2013	02:19
0906F045.D	ZZZZZZ	ZZZZZZ	9/7/2013	02:25		9/7/2013	02:45
0906F046.D	ZZZZZZ	ZZZZZZ	9/7/2013	02:52		9/7/2013	03:12
0906F047.D	ZZZZZZ	ZZZZZZ	9/7/2013	03:18		9/7/2013	03:38
0906F048.D	ZZZZZZ	ZZZZZZ	9/7/2013	03:44		9/7/2013	04:04
0906F049.D	ZZZZZZ	ZZZZZZ	9/7/2013	04:11		9/7/2013	04:31
0906F050.D	ZZZZZZ	ZZZZZZ	9/7/2013	04:37		9/7/2013	04:57
0906F051.D	ZZZZZZ	ZZZZZZ	9/7/2013	05:04		9/7/2013	05:24
0906F052.D	ZZZZZZ	ZZZZZZ	9/7/2013	05:31		9/7/2013	05:51
0906F053.D	ZZZZZZ	ZZZZZZ	9/7/2013	05:57		9/7/2013	06:17
0906F054.D	ZZZZZZ	ZZZZZZ	9/7/2013	06:24		9/7/2013	06:43

Results flagged with an asterisk (*) indicate the holding time was exceeded for the analysis

Client: JH Baxter & Company
Project: J.H. Baxter / Arlington
Sample Matrix: Water

Service Request: K1308874
Date Extracted: 08/30/2013

Extraction Prep Log
Polynuclear Aromatic Hydrocarbons

Extraction Method: EPA 3520C
Analysis Method: 8270D SIM

Extraction Lot: KWG1309272
Level: Low

Sample Name	Lab Code	Date Collected	Date Received	Sample Amount	Final Volume	% Solids	Note
MW-15	K1308874-002	08/26/13	08/29/13	1040ml	5ml	NA	
MW-16	K1308874-003	08/26/13	08/29/13	1040ml	5ml	NA	
MW-17	K1308874-004	08/26/13	08/29/13	1040ml	5ml	NA	
MW-18	K1308874-005	08/26/13	08/29/13	1040ml	5ml	NA	
MW-2	K1308874-006	08/26/13	08/29/13	1040ml	5ml	NA	
MW-30	K1308874-015	08/26/13	08/29/13	1040ml	5ml	NA	
Method Blank	KWG1309272-5	NA	NA	1040ml	5ml	NA	
Batch QC	K1308876-001	NA	NA	1040ml	5ml	NA	
Batch QCMS	KWG1309272-1	NA	NA	1040ml	5ml	NA	
Batch QCDMS	KWG1309272-2	NA	NA	1040ml	5ml	NA	
Lab Control Sample	KWG1309272-3	NA	NA	1000ml	5ml	NA	
Duplicate Lab Control Sample	KWG1309272-4	NA	NA	1000ml	5ml	NA	

Results flagged with an asterisk (*) indicate the holding time was exceeded for the analysis

Organic Analysis:
Polynuclear Aromatic Hydrocarbons

Validation Package

APPENDIX C

Quality Assurance Review

QUALITY ASSURANCE REVIEW

Site Investigation – Supplemental Groundwater Sampling and Remedial Action Pilot Study Performance Monitoring

J. H. Baxter Arlington, Washington Facility

Prepared for:

J.H Baxter & Company
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Prepared by:

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October 17, 2013

Project No. 361M125611.0001.4

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QUALITY ASSURANCE REVIEW

Site Investigation – Supplemental Groundwater Sampling and Remedial Action Pilot Study Performance Monitoring J. H. Baxter Arlington, Washington Facility

1.0 INTRODUCTION

AMEC Environment & Infrastructure, Inc. (AMEC) performed a Level III validation of the analytical data from groundwater samples collected at the J. H. Baxter Arlington, Washington facility. Thirty-two groundwater samples, two field duplicates, one trip blank, and one rinsate blank were collected between August 25 and 27, 2013. The samples were submitted to ALS Environmental (ALS) located in Kelso, Washington, where they were analyzed for pentachlorophenol (PCP) and/or breakdown products by Modified United States Environmental Protection Agency (EPA) Method 8151A and/or polycyclic aromatic hydrocarbons (PAHs) by EPA Method 8270-selective ion monitoring (SIM). A list of these samples by field sample identification (ID), sample collection date, and ALS sample ID is presented in Table 1.

This data validation has been performed in accordance with:

- Baxter, 2002. Sampling and Analysis and Data Management Plan for the Site Investigation Work Plan J. H. Baxter Arlington Facility (SADMP)
- EPA, 2008. EPA Contract Laboratory Program (CLP) National Functional Guidelines for Superfund Organic Methods Data Review, EPA/540-R-08-01.
- EPA, 2001. Region 9 Superfund Data Evaluation/Validation Guidance, Version 1, R9QA/006.1, December, 2001.

The EPA CLP guidelines were written specifically for the CLP, and have been modified for the purposes of this data review where they differ from method-specific quality control (QC) requirements.

The laboratory's certified analytical report and supporting documentation were reviewed to assess the following:

- Data package and electronic data deliverable completeness
- Chain of custody (COC) compliance
- Holding time compliance

- Initial calibration (ICAL), initial calibration verification (ICV), and calibration verification standard (CVS) compliance with method-specified criteria
- Presence or absence of laboratory contamination as demonstrated by method blanks
- Accuracy and bias as demonstrated by recovery of surrogate spikes and laboratory control samples (LCSs)
- Analytical precision as relative percent difference (RPD) of analyte concentration between laboratory duplicates
- Sampling and analytical precision as RPD of analyte concentration between field duplicates
- Assessment of field contamination as demonstrated by field blanks
- Insofar as possible, the degree of conformance to method requirements and good laboratory practices

In general, it is important to recognize that no analytical data are guaranteed to be correct, even if all QC audits are passed. Strict QC serves to increase confidence in data, but any reported value may potentially contain error.

2.0 DEFINITIONS OF QUALIFIERS THAT MAY BE ADDED DURING VALIDATION

U The analyte was analyzed for, but was not detected above the reported sample quantitation limit.

J The analyte was positively identified; the associated numerical value is the approximate concentration of the analyte in the sample.

N The analysis indicates the presence of an analyte for which there is presumptive evidence to make a tentative identification.

NJ The analysis indicates the presence of an analyte that has been tentatively identified and the associated numerical value represents its approximate concentration.

UJ The analyte was not detected above the reported sample quantitation limit. However, the reported quantitation limit is approximate and may or may not represent the actual limit of quantitation necessary to accurately and precisely measure the analyte in the sample.

R The sample result is rejected due to serious deficiencies in the ability to analyze the sample and meet quality control criteria. The presence or absence of the analyte cannot be verified.

3.0 DATA VALIDATION FINDINGS

3.1 CUSTODY, PRESERVATION, AND COMPLETENESS

Sample custody was maintained as required from sample collection to receipt at the laboratory. The samples were received intact, properly preserved, and at temperatures less than the EPA-recommended maximum of 6 degrees Celsius. The laboratory reports are complete and contain results for the sample and tests requested on the COCs, with the following exception:

- According to the laboratory's narrative, samples MW-35, MW-36, MW-37, and MW-3 and the Field Blank Rinsate were not analyzed for PAHs by 8270 due to a cooling system failure during extraction, which caused the sample extracts to be lost to evaporation. No additional sample volume remained to repeat the extraction and analysis was not possible.

3.2 PENTACHLOROPHENOL BY EPA METHOD 8151 MODIFIED

3.2.1 Holding Times

The samples were extracted within the method-required maximum holding time of seven days from collection and the sample extracts were analyzed within the method-required maximum holding time of 40 days from extraction.

3.2.2 Initial Calibration

Relative standard deviations (RSDs) were less than the EPA-recommended maximum of 20% and coefficients of determination were greater than the EPA-recommended minimum of 0.99 in the ICALs associated with the analysis of these samples.

3.2.3 Initial Calibration Verification

An ICV was analyzed after each ICAL. Percent differences or percent drifts (%Ds) from the ICAL were within the EPA-recommended 70% to 130% limits.

3.2.4 Calibration Verification

CVSs were analyzed at the beginning of each analytical shift and after every 10 samples. %Ds from the ICAL were less than the EPA-recommended maximum of 20%.

3.2.5 Blank Analyses

Laboratory Blanks

Laboratory blanks were analyzed at the required frequency of one per extraction batch. Target analytes were not detected in the laboratory blanks associated with the analysis of these samples.

Field Blank

Target analytes were not detected in the field rinsate blank associated with these samples.

3.2.6 Surrogate Analyses

Surrogate compounds were added to all samples, blanks, and QC samples as required. Recoveries of the surrogate compound 4-bromo-2,6-dichlorophenol were within the SADMP-specified 33% to 114% limits.

3.2.7 Laboratory Control Sample Analyses

The laboratory reported LCS/LCS duplicates (LCSDs) at the required frequency of one per extraction batch. Recovery and RPD values were compared to the SADMP criteria, or laboratory limits for analytes not listed in the SADMP. Recovery and RPD values are acceptable, with the following exception:

- Total tetrachlorophenol recovery was less than the laboratory specified 70-130% limits at 55% in the LCS associated with the analysis of sample EW1-4 Comp. AMEC J qualified the detected total tetrachlorophenol result from this sample due to potentially low analytical bias. (J-LL).

3.2.8 Matrix Spike/Matrix Spike Duplicate Analyses

Matrix spikes (MS)/MS duplicate (MSD) analyses were performed on samples EW 1-4 Comp and HCMW-7. Recovery and RPD values were compared to the SADMP criteria, or laboratory control limits for analytes not listed in the SADMP. Recovery and RPD values were acceptable, with the following exceptions:

- PCP recoveries were low at 18% in the MS and -414% in the MSD performed on sample EW 1-4 Comp. The background PCP concentration in the unspiked native sample, at 530 micrograms per liter (µg/L), was more than the spike concentration of 10 µg/L and it is not possible to evaluate data usability for this analyte based on MS recoveries.

3.2.9 Laboratory Reporting Limits

The SADMP-specified quantitation requirement goals were met for all samples that were analyzed undiluted.

3.2.10 Field Duplicates

Two field duplicates were analyzed for PCP. Sample BXS-5 is a field duplicate of sample BXS-1 and MW-44 is a field duplicate of sample MW-24. Field duplicate results are summarized in Table 2. RPDs between the primary and duplicate samples were less than the SADMP-specified maximum limit of 30%.

3.2.11 Data Reporting and Analytical Procedures

ALS J qualified the detected results for analytes with concentrations between the MDL and the RL. AMEC agrees that these results are quantitatively uncertain and has maintained ALS's J qualifiers. (J-DL)

There was greater than 40% RPD between the PCP results from the primary and confirmation analytical columns in samples MW-15 and MW-27. AMEC N qualified these results as being presumptively identified. (N-SC)

3.3 POLYCYCLIC AROMATIC HYDROCARBONS BY EPA METHOD 8270D SIM

3.3.1 Holding Times

The samples were extracted within the method-required maximum holding time of seven days from collection and the sample extracts were analyzed within the method-required maximum holding time of 40 days from extraction.

3.3.2 Instrument Tuning and Mass Calibration

The tuning compound decafluorotriphenylphosphine was analyzed at the beginning of each 12-hour analytical shift all relative abundance criteria meet method-specified limits.

3.3.3 Initial Calibration

RSDs were less than the method-specified maximum of 20% in the ICALs associated with the analysis of these samples. Additionally, RRFs were greater than the method-specified minimums of:

- 0.4 for dibenz(a,h)anthracene and 2-methylnaphthalene;
- 0.5 for benzo(g,h,i)perylene and indeno(1,2,3-cd)pyrene;

- 0.6 for fluoranthene and pyrene;
- 0.7 for anthracene, benzo(b)fluoranthene, benzo(k)fluoranthene, benzo(a)pyrene, chrysene, naphthalene, and phenanthrene;
- 0.8 for benzo(a)anthracene; and
- 0.9 for acenaphthene, acenaphthylene, and fluorene.

3.3.4 Initial Calibration Verification

An ICV was analyzed after each ICAL. RRFs were greater than the EPA-recommended minimums and %Ds from the ICAL were less than the EPA-recommended maximum of 30%.

3.3.5 Calibration Verification

CVSs were analyzed at the beginning of each12-hour analytical shift. RRFs were greater than the EPA-recommended minimums and %Ds from the ICAL were less than the EPA-recommended maximum of 20% with the following exception:

- Recovery of the surrogate compound fluoroanthene-d_{10} was high at 122% in the CVS associated with the analysis of samples MW-15, MW-16, MW-17, MW-18, MW-2, and MW-30. Fluoranthene-d_{10} recoveries were acceptable in the associated laboratory QC and field samples, and in AMEC's professional opinion the slight exceedance in the CVS was an isolated occurrence that does not adversely affect overall data usability.

3.3.6 Blank Analyses

Method Blanks

Method blanks were analyzed at the required frequency of one per extraction batch. Target analytes were not detected in the method blanks, with the following exceptions:

- 2-Methylnaphthalene (0.0026 µg/L), acenaphthene (0.0048 µg/L), fluorene (0.0067 µg/L), phenanthrene (0.0068 µg/L), anthracene (0.0048 µg/L), benzo(a)anthracene (0.0041 µg/L), indeno(1,2,3-cd)pyrene (0.0030 µg/L), dibenz(a,h)anthracene (0.0034 µg/L), and benzo(g,h,i)perylene (0.0052 µg/L) were detected in the laboratory blank associated with the analysis of samples BXS-1, BXS-2, and BXS-5. Data limitations are summarized below.
  - AMEC U qualified the detected fluorene and 2-methylnaphthalene results from samples BXS-1 (0.0055 µg/L and 0.0049 µg/L, respectively), BSX-2 (0.0049 µg/L and 0.0073 µg/L, respectively), and BSX-5 (0.0055 µg/L and 0.0045 µg/L, respectively) because the concentrations detected in the sample were less than five times the concentrations detected in the blank. (U-MB)

- AMEC U qualified the detected acenaphthene result from sample BXS-2 (0.0067 µg/L) because the concentration detected in the sample was less than five times the concentration detected in the blank. (U-MB)
- AMEC U qualified the detected anthracene result from sample BXS-5 (0.0099 µg/L) because the concentration detected in the sample was less than five times the concentration detected in the blank. (U-MB)
- The remaining analytes either were not detected in the associated samples, or were detected at concentrations greater than five times the concentrations detected in the blank. Data usability is not adversely affected.

- 2-Methylnaphthalene (0.0027 µg/L), acenaphthylene (0.0047 µg/L), fluorene (0.0063 µg/L), phenanthrene (0.0070 µg/L), anthracene (0.0041 µg/L), benzo(a)anthracene (0.0063 µg/L), chrysene (0.0055 µg/L), benzo(b)fluoranthene (0.0059 µg/L), benzo(k)fluoranthene (0.008 µg/L), benzo(a)pyrene (0.0044 µg/L), indeno(1,2,3-cd)pyrene (0.0053 µg/L), dibenz(a,h)anthracene (0.0062 µg/L), and benzo(g,h,i)perylene (0.0096 µg/L) were detected in the laboratory blank associated with the analysis of samples MW-15, MW-16, MW-17, MW-18, MW-2, and MW-30. Data limitations are summarized below:
  - AMEC U qualified the detected fluorene (0.0038 µg/L), anthracene (0.013 µg/L), and 2-methylnaphthalene (0.013 µg/L) results from sample MW-2 because the concentrations detected in the sample were less than five times the concentrations detected in the blank. (U-MB)
  - AMEC U qualified the detected 2-methylnaphthalene results from samples MW-17 (0.0027 µg/L) and MW-30 (0.0048 µg/L) because the concentrations detected in the samples were less than five times the concentration detected in the blank. (U-MB)
  - AMEC U qualified the detected anthracene result from sample MW-15 (0.004 µg/L) because the concentration detected in the sample was less than five times the concentration detected in the blank. (U-MB)
  - The remaining analytes either were not detected in the associated samples, or were detected at concentrations greater than five times the concentrations detected in the blank. Data usability is not adversely affected.

3.3.7 Surrogate Analyses

Surrogate compounds were added to all samples, blanks, and QC samples as required. Surrogate recoveries were within the SADMP-specified 31% to 97% limits for fluorene-d_{10}, 31% to 113% limits for fluoranthene-d_{10}, and 30% to 115% limits for terphenyl-d_{14}.

3.3.8 Internal Standard Evaluation

Internal standards (ISs) were added to all samples, blanks and QC samples as required. All IS recoveries were within the SADMP-specified -50% to +100% limits.

3.3.9 Laboratory Control Sample Analyses

The laboratory processed and analyzed LCS/LCSDs at the required frequency of one per extraction batch. Recovery and RPD values were compared to the SADMP criteria, or laboratory limits for analytes not listed in the SADMP. Recovery and RPD values are acceptable.

3.3.10 Matrix Spike/Matrix Spike Duplicate Analyses

Project-specific MS/MSDs were not performed on PAH samples from this project because of insufficient sample volume. The laboratory provided LCS and LCSD data to demonstrate acceptable analytical precision and accuracy.

3.3.11 Laboratory Reporting Limits

The SADMP reporting limit goals were met for all samples.

3.3.12 Field Duplicates

One field duplicate was analyzed for PAHs. Sample BXS-5 is a field duplicate of sample BXS-1. Field duplicate results are summarized in Table 2. RPDs between the primary and duplicate samples were less than the SADMP-specified maximum limit of 30%.

3.3.13 Data Reporting and Analytical Procedure

ALS J qualified detected analytes with concentrations between the MDL and the RL. AMEC agrees that these results are quantitatively uncertain and maintained ALS' J qualifiers. (J-DL)

According to the laboratory's narrative, the acenaphthene result from sample BXS-2 and the anthracene result from sample BXS-5 may exhibit slightly high analytical bias due to the presence of non-target matrix interference. These analytes were previously U qualified as being not detected because of detections in the associated laboratory blank and in AMEC's professional opinion, further qualification is not warranted.

3.4 Overall Assessment of Data Usability

The data are fully usable with the addition of the qualifiers specified in Section 3.3, which are summarized in Table 3.

AMEC reviewed a total of 132 results from these samples. AMEC J qualified 6 results (4.5%) as estimated values because of low LCS recovery or analyte detections between the MDL and the RL, U qualified 14 results (10.6%) as being not detected because of analyte detections in the associated laboratory blanks, and N qualified two (1.5%) results as being presumptively identified

due to excessive difference between the results from the primary and secondary analytical columns. No data were rejected during validation meeting the SADMP-specified minimum completeness goal of 95% usable data.

REFERENCES

Baxter, 2002. Sampling and Analysis and Data Management Plan for the Site Investigation Work Plan J. H. Baxter Arlington Facility, Revision 2. Prepared by the J. H. Baxter Project Team for EPA Region 10. May 15, 2002.

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EPA, 2001. Region 9 Superfund Data Evaluation/Validation Guidance, Version 1, R9QA/006.1, December, 2001.

EPA, 2007. Method 8270D, Semivolatile Organic Compounds by Gas Chromatography/Mass Spectrometry (GC/MS), Revision 4. February 2007.

EPA, 2008. EPA Contract Laboratory Program (CLP) National Functional Guidelines for Superfund Organic Methods Data Review, EPA/540-R-08-01.

LIMITATIONS

This report was prepared exclusively for J.H. Baxter by AMEC Environment & Infrastructure, Inc. The quality of information, conclusions, and estimates contained herein is consistent with the level of effort involved in AMEC services and based on: i) information available at the time of preparation, ii) data supplied by outside sources, and iii) the assumptions, conditions, and qualifications set forth in this report. This Quality assurance Review is intended to be used by J.H. Baxter for the J.H. Baxter Arlington, Washington Facility only, subject to the terms and conditions of its contract with AMEC. Any other use of, or reliance on, this report by any third party is at that party's sole risk.

TABLES

Table 1
Field Samples Submitted to ALS Environmental with Corresponding Laboratory Identifications
J.H. Baxter - Arlington

Field Sample ID	Collection Date	ALS Sample ID	Notes
BXS-1	8/27/2013	K1308870-001	
BXS-2	8/27/2013	K1308870-002	
BXS-5	8/27/2013	K1308870-003	Field duplicate of BXS-1
Trip Blank	8/27/2013	K1308870-004	
EW 1-4 Comp	8/26/2013	K1308873-001	PCP and Breakdown Products only, MS/MSD
HCMW-7	8/26/2013	K1308874-001	MS/MSD
MW-15	8/26/2013	K1308874-002	
MW-16	8/26/2013	K1308874-003	
MW-17	8/26/2013	K1308874-004	
MW-18	8/26/2013	K1308874-005	
MW-2	8/26/2013	K1308874-006	
MW-22	8/25/2013	K1308874-007	PCP only
MW-23	8/25/2013	K1308874-008	PCP only
MW-24	8/25/2013	K1308874-009	PCP only
MW-25	8/25/2013	K1308874-010	PCP only
MW-26	8/25/2013	K1308874-011	PCP only
MW-27	8/25/2013	K1308874-012	PCP only
MW-28	8/26/2013	K1308874-013	PCP only
MW-29	8/26/2013	K1308874-014	PCP only
MW-30	8/26/2013	K1308874-015	
MW-31	8/26/2013	K1308874-016	PCP only
MW-32	8/25/2013	K1308874-017	PCP only
MW-33	8/25/2013	K1308874-018	PCP only
MW-34	8/26/2013	K1308874-019	PCP only
MW-35	8/25/2013	K1308874-020	PCP only--PAH analysis could not be performed
MW-36	8/25/2013	K1308874-021	PCP only--PAH analysis could not be performed
MW-37	8/26/2013	K1308874-022	PCP only--PAH analysis could not be performed
MW-38	8/26/2013	K1308874-023	PCP only
MW-39	8/26/2013	K1308874-024	PCP only
MW-40	8/26/2013	K1308874-025	PCP only
MW-41	8/26/2013	K1308874-026	PCP only
MW-42	8/26/2013	K1308874-027	PCP only
MW-43	8/26/2013	K1308874-028	PCP only
MW-44	8/26/2013	K1308874-029	PCP only, Field duplicate of MW-24
Field Blank Rinsate	8/27/2013	K1308874-030	PCP only--PAH analysis could not be performed
MW-3	8/25/2013	K1308874-031	PCP only--PAH analysis could not be performed

Notes:
MS/MSD = matrix spike/matrix spike duplicate

PCP = pentachlorophenol

Table 2
Field Duplicate Detections
J.H. Baxter - Arlington

Analyte	Reporting Limit (µg/L)	Primary Sample (µg/L)	Field Duplicate (µg/L)	Relative Percent Difference	Notes
Samples MW-24 and MW-44					
Pentachlorophenol	5.0	95	87	8.8%	
Samples BXS-1 and BXS-5					
Pentachlorophenol	5.0	51	45	13%	
Naphthalene	0.02	0.13	0.14	7.4%	

Note:
µg/L = micrograms per liter

Table 3
Qualifiers Added During Validation
J.H. Baxter - Arlington

Sample ID	Analyte	Concentration	Qualifiers and Reason Codes
BXS-1	2-Methylnaphthalene	0.0049 µg/L	U MB
	Fluorene	0.0055 µg/L	U MB
BXS-2	2-Methylnaphthalene	0.0073 µg/L	U MB
	Acenaphthylene	0.01 µg/L	J DL
	Acenapthene	0.0067 µg/L	U MB
	Fluorene	0.0049 µg/L	U MB
	Pyrene	0.0079 µg/L	J DL
BXS-5	2-Methylnaphthalene	0.0045 µg/L	U MB
	Fluorene	0.0055 µg/L	U MB
	Anthracene	0.0099 µg/L	U MB
EW 1-4 Comp	Tetrachlorophenols, Total	18 µg/L	J LL
MW-2	2-Methylnaphthalene	0.013 µg/L	U MB
	Fluorene	0.0038 µg/L	U MB
	Anthracene	0.013 µg/L	U MB
MW-15	Anthracene	0.004 µg/L	U MB
	Pentachlorophenol	0.51 µg/L	N SC
MW-17	2-Methylnaphthalene	0.0027 µg/L	U MB
MW-26	Pentachlorophenol	0.27 µg/L	J DL
MW-27	Pentachlorophenol	0.3 µg/L	NJ SC, DL
MW-30	Phenanthrene	0.0051 µg/L	J DL
	2-Methylnaphthalene	0.0048 µg/L	U MB
MW-31	Pentachlorophenol	0.25 µg/L	J DL

Notes:
µg/L = micrograms per liter

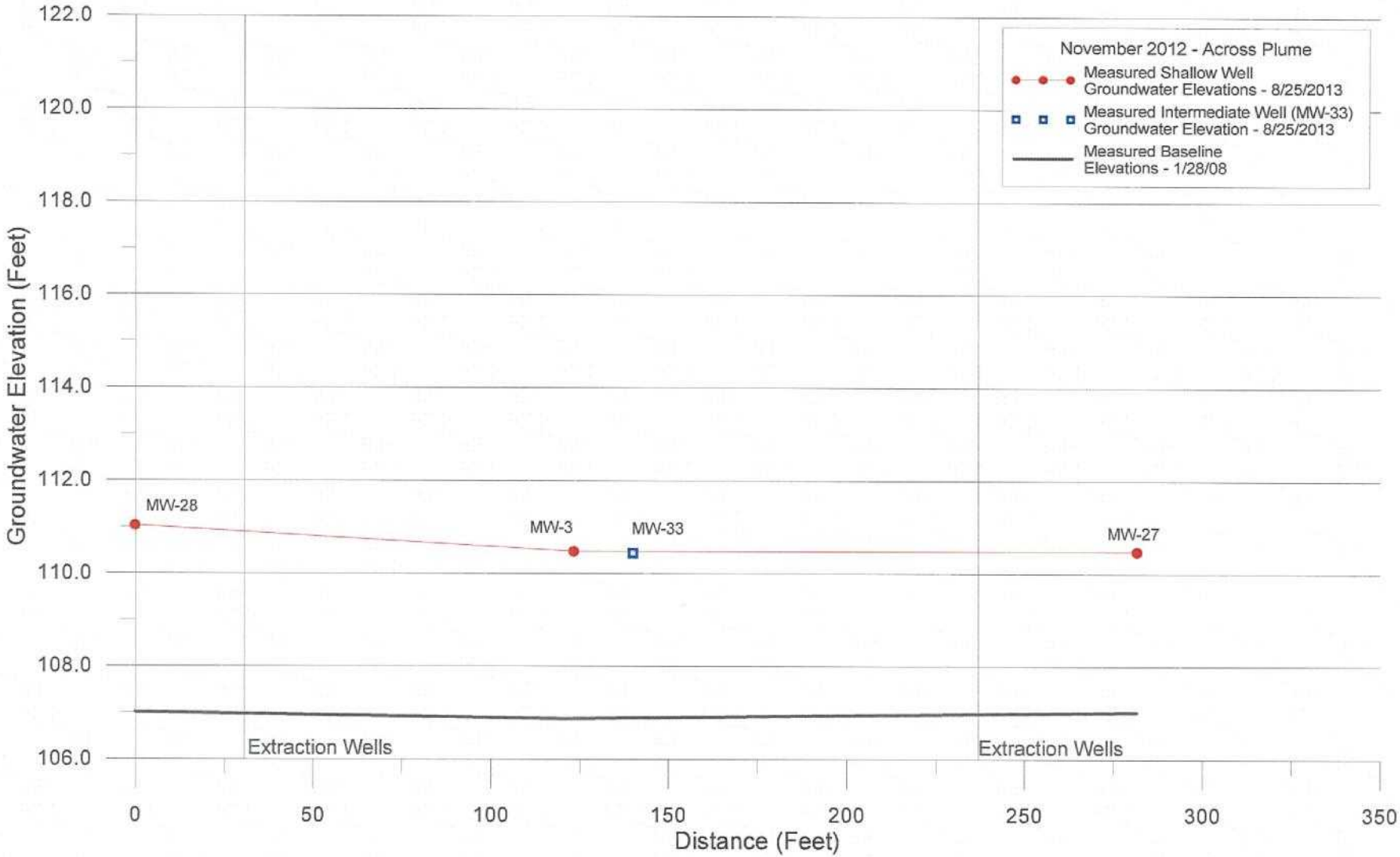
Qualifier Definitions:
J = The analyte was positively identified; the associated numerical value is the approximate concentration of the analyte in the sample.
U = The analyte was analyzed for, but was not detected above the reported sample quantitation limit.
N = The analysis indicates the presence of an analyte for which there is presumptive identification. evidence to make a tentative identification.

Reason Code Definitions:
DL = The analyte concentration is between the method detection limit and the reporting limit.
MB = The analyte was detected in the sample and the associated method blank. The concentration detected in the sample was less than five times the concentration detected in the blank.
LL = Low LCS recovery. Result may be biased low.
SC = There was poor agreement with the second column.

APPENDIX D

Other Figures - Third Quarter 2013

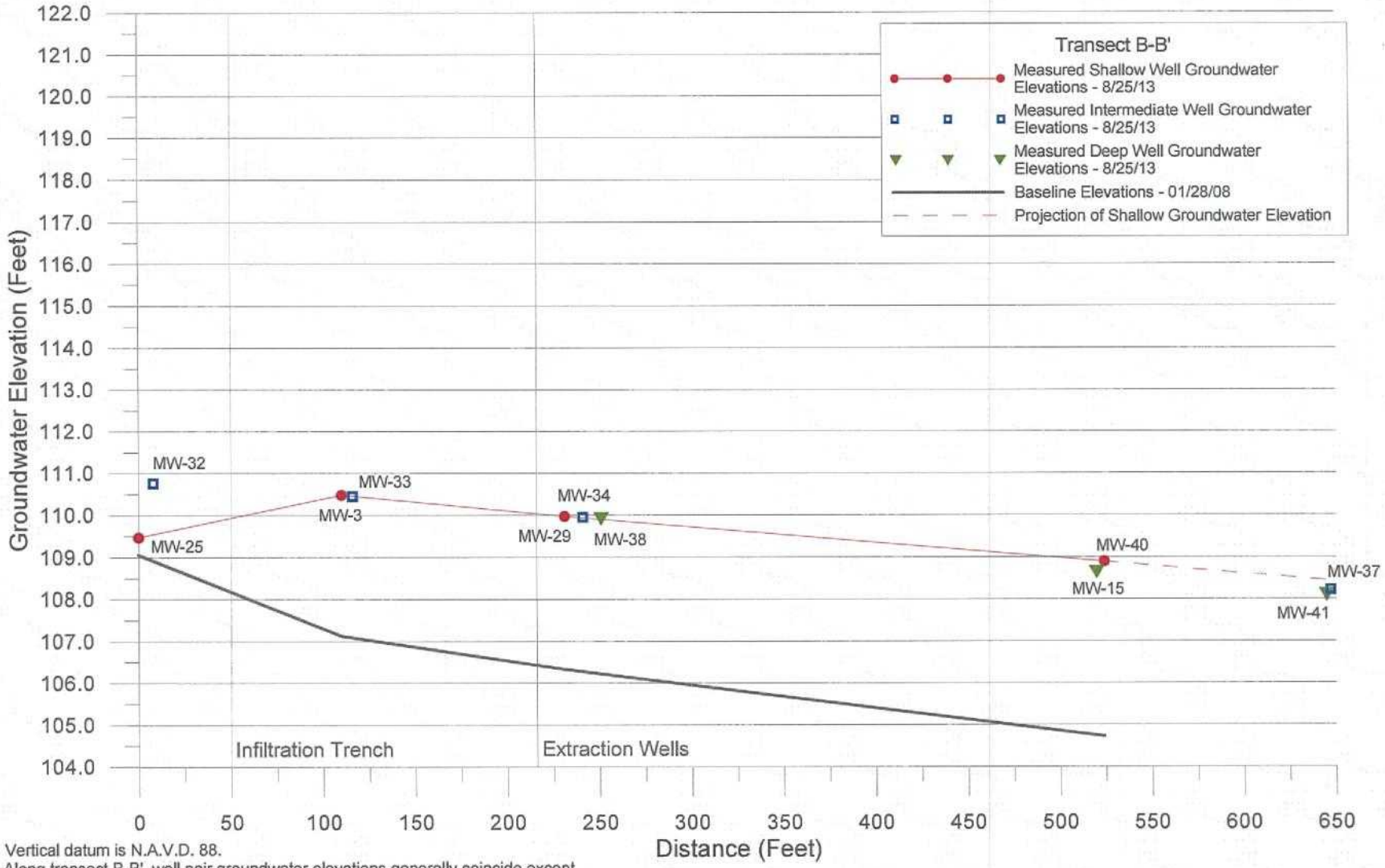
P:\12706 - JH Baxter Arlington\7000 Remediation\Performance Monitoring\Groundwater Cross Sections\GW_CrossSec_AA_12808_Baseline_2012.grf



Notes: 1. Vertical datum is N.A.V.D 88.
2. Along transect A-A', well pair groundwater elevations generally coincide, indicating minimal vertical gradient in the vicinity of MW-3 and MW-33.
3. Shallow wells are defined as wells with bottom-of-screen elevations above 90 feet mean sea level (msl). Intermediate wells are defined as wells with bottom-of-screen elevations beween 70 and 90 feet msl.

amec	THIRD QUARTER 2013 MONITORING EVENT (AUGUST 2013) GROUNDWATER ELEVATION CROSS-SECTION A-A' Former J.H. Baxter and Co. Wood Treating Facility Arlington, Washington	Prepared By: ERO 10/2/13	Project No. 12706 Figure No. 1

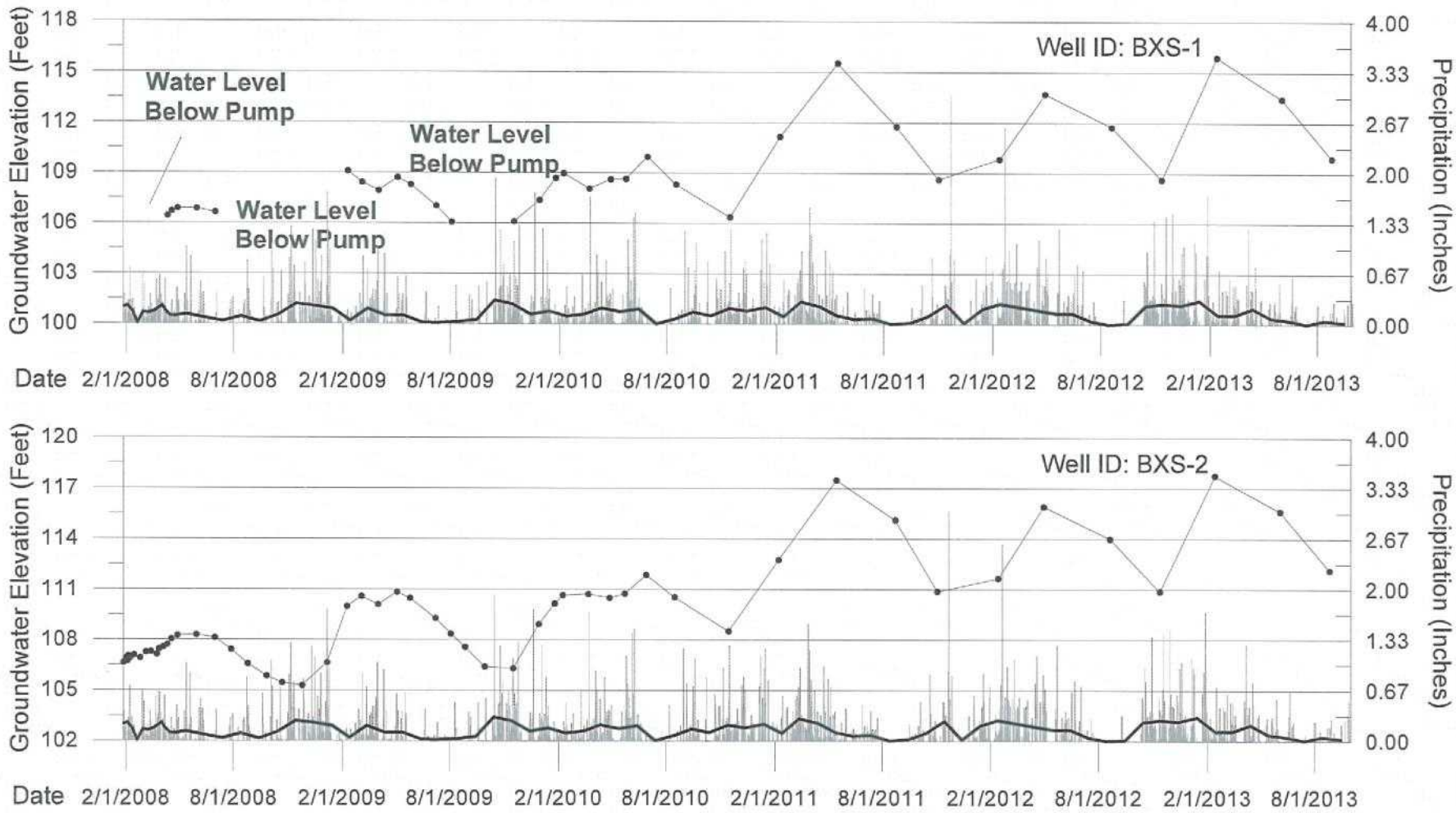
P:\12706 - JH Baxter Arlington\7000 Remediation\Performance Monitoring\Groundwater Cross Sections\GW_CrossSec_BB_12808_Baseline_2013.grf



Notes:
1. Vertical datum is N.A.V.D. 88.
2. Along transect B-B', well pair groundwater elevations generally coincide except at MW-25/MW-32, indicating minimal vertical gradient. A silt layer is present at ~20 feet below ground surface in the vicinity of MW-25 and MW-32, which could account for the larger head differences observed at this well pair.
3. Shallow wells are defined as wells with bottom-of-screen elevations above 90 feet mean sea level (msl). Intermediate wells are defined as wells with bottom-of-screen elevations beween 70 and 90 feet msl. Deep wells are defined as wells with bottom-of-screen elevations below 70 feet msl.

amec	THIRD QUARTER 2013 MONITORING EVENT (AUGUST 2013) GROUNDWATER ELEVATION CROSS-SECTION B-B' Former J.H. Baxter and Co. Wood Treating Facility Arlington, Washington	Prepared By: ERO 10/2/13	Project No. 12706 Figure No. 2

P:\12706 - JH Baxter Arlington\7000 Remediation\Performance Monitoring\Water_Fluctuations O&M.grf



Notes:
1. Vertical datum is N.A.V.D 88.
2. Precipitation data source is the National Climatic Data Center (NCDC) Arlington, WA station (COOP ID: 450257).
3. Precipitation data include rain and/or melted snow.
4. Precipitation data from December 2010 through December 2011 are preliminary and are not final, quality-controlled data.
5. Precipitation is listed as zero for some unavailable September 2013 data points.

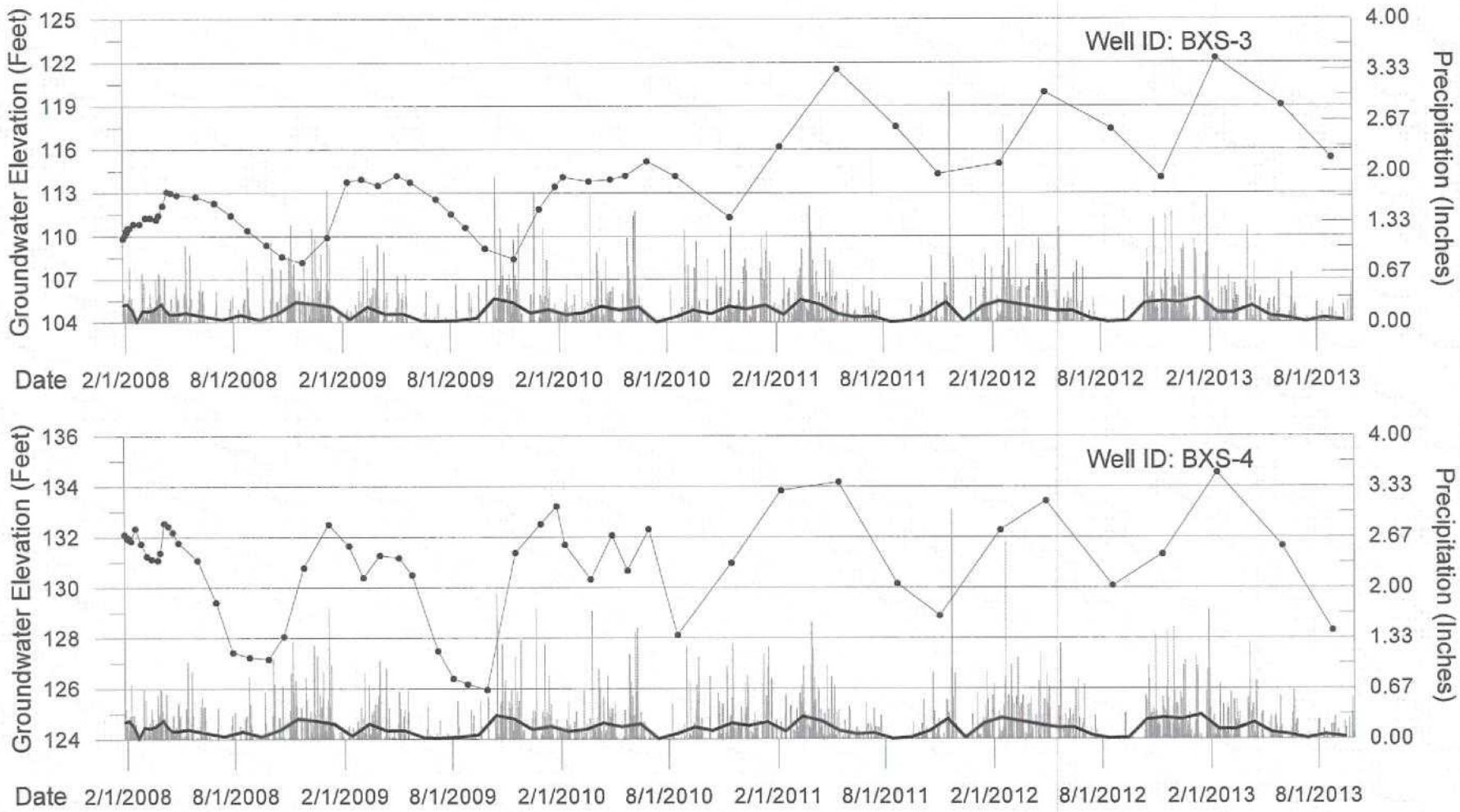
LEGEND
- Groundwater elevation time series
- Daily Precipitation (inches)
- Average precipitation between groundwater measurements (inches/day)

amec

GROUNDWATER ELEVATION VERSUS TIME: WELLS BXS-1 AND BXS-2
Former J.H. Baxter and Co. Wood Treating Facility
Arlington, Washington

Prepared By: LCD	Project No. 12706
10/17/13	Figure No. 3

P:\12706 - JH Baxter Arlington\7000 Remediation\Performance Monitoring\Water_Fluctuations O&M.grf



Notes:
1. Vertical datum is N.A.V.D 88.
2. Precipitation data source is the National Climatic Data Center (NCDC) Arlington, WA station (COOP ID: 450257).
3. Precipitation data include rain and/or melted snow.
4. Precipitation data from December 2010 through December 2011 are preliminary and are not final, quality-controlled data.
5. Precipitation is listed as zero for some unavailable September 2013 data points.

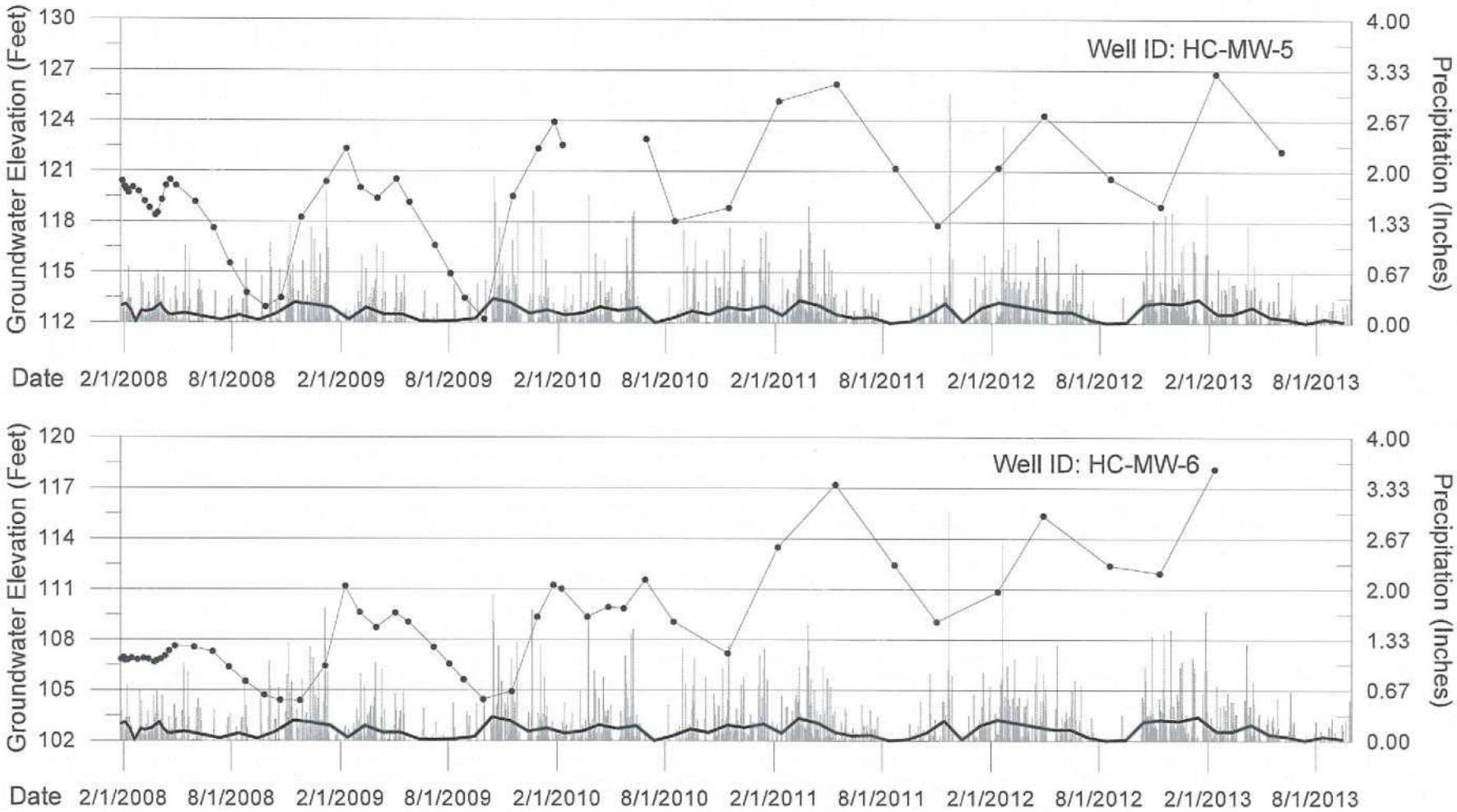
LEGEND
- Groundwater elevation time series
- Daily precipitation (inches)
- Average precipitation between groundwater measurements (inches/day)

amec

GROUNDWATER ELEVATION VERSUS TIME: WELLS BXS-3 AND BXS-4
Former J.H. Baxter and Co. Wood Treating Facility
Arlington, Washington

Prepared By: LCD	Project No. 12706
10/17/13	Figure No. 4

P:\12706 - JH Baxter Arlington\7000 Remediation\Performance Monitoring\Water_Fluctuations O&M.grf

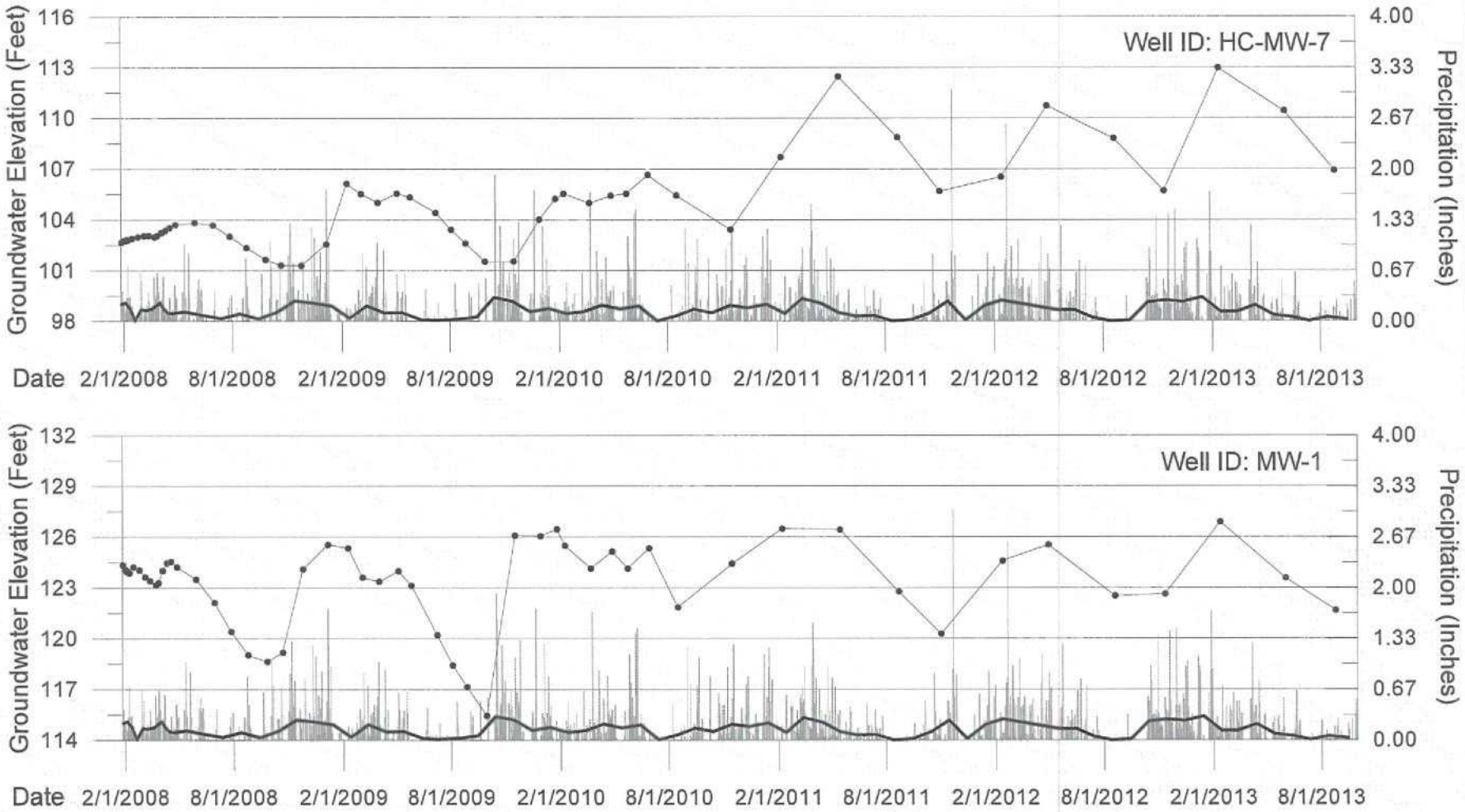


Notes:
1. Vertical datum is N.A.V.D 88.
2. Precipitation data source is the National Climatic Data Center (NCDC) Arlington, WA station (COOP ID: 450257).
3. Precipitation data include rain and/or melted snow.
4. Groundwater elevation was not collected at HC-MW-5 during the March and April 2010 sampling period due to damaged well monument lid that could not be opened.
5. Precipitation data from December 2010 through December 2011 are preliminary and are not final, quality-controlled data.
6. Precipitation is listed as zero for some unavailable September 2013 data points.

LEGEND
- Groundwater elevation time series
- Daily precipitation (inches)
- Average precipitation between groundwater measurements (inches/day)

amec	GROUNDWATER ELEVATION VERSUS TIME: WELLS HC-MW-5 AND HC-MW-6 Former J.H. Baxter and Co. Wood Treating Facility Arlington, Washington	Prepared By: LCD	Project No. 12706
		10/17/13	Figure No. 5

P:\12706 - JH Baxter Arlington\7000 Remediation\Performance Monitoring\Water_Fluctuations O&M.grf



Notes:
1. Vertical datum is N.A.V.D 88.
2. Precipitation data source is the National Climatic Data Center (NCDC) Arlington, WA station (COOP ID: 450257).
3. Precipitation data include rain and/or melted snow.
4. Precipitation data from December 2010 through December 2011 are preliminary and are not final, quality-controlled data.
5. Precipitation is listed as zero for some unavailable September 2013 data points.

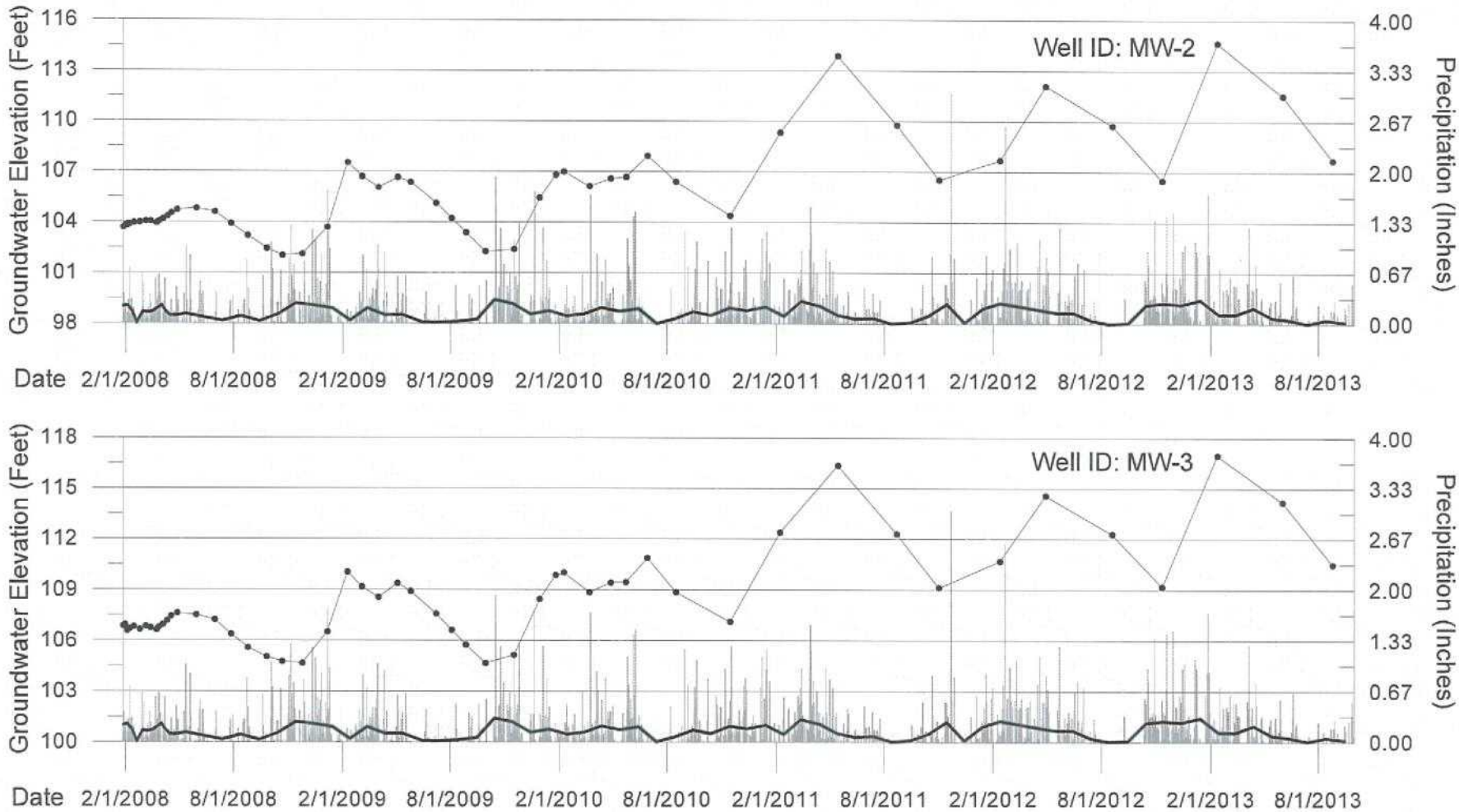
LEGEND
- Groundwater elevation time series
- Daily precipitation (inches)
- Average precipitation between groundwater measurements (inches/day)

amec

GROUNDWATER ELEVATION VERSUS TIME: WELLS HC-MW-7 AND MW-1
Former J.H. Baxter and Co. Wood Treating Facility
Arlington, Washington

Prepared By: LCD	Project No. 12706
10/17/13	Figure No. 6

P:\12706 - JH Baxter Arlington\7000 Remediation\Performance Monitoring\Water_Fluctuations O&M.grf



Notes:
1. Vertical datum is N.A.V.D 88.
2. Precipitation data source is the National Climatic Data Center (NCDC) Arlington, WA station (COOP ID: 450257).
3. Precipitation data include rain and/or melted snow.
4. Precipitation data from December 2010 through December 2011 are preliminary and are not final, quality-controlled data.
5. Precipitation is listed as zero for some unavailable September 2013 data points.

LEGEND
- Groundwater elevation time series
- Daily precipitation (inches)
- Average precipitation between groundwater measurements (inches/day)

amec

GROUNDWATER ELEVATION VERSUS TIME: WELLS MW-2 AND MW-3
Former J.H. Baxter and Co. Wood Treating Facility
Arlington, Washington

Prepared By: LCD	Project No. 12706
10/17/13	Figure No. 7

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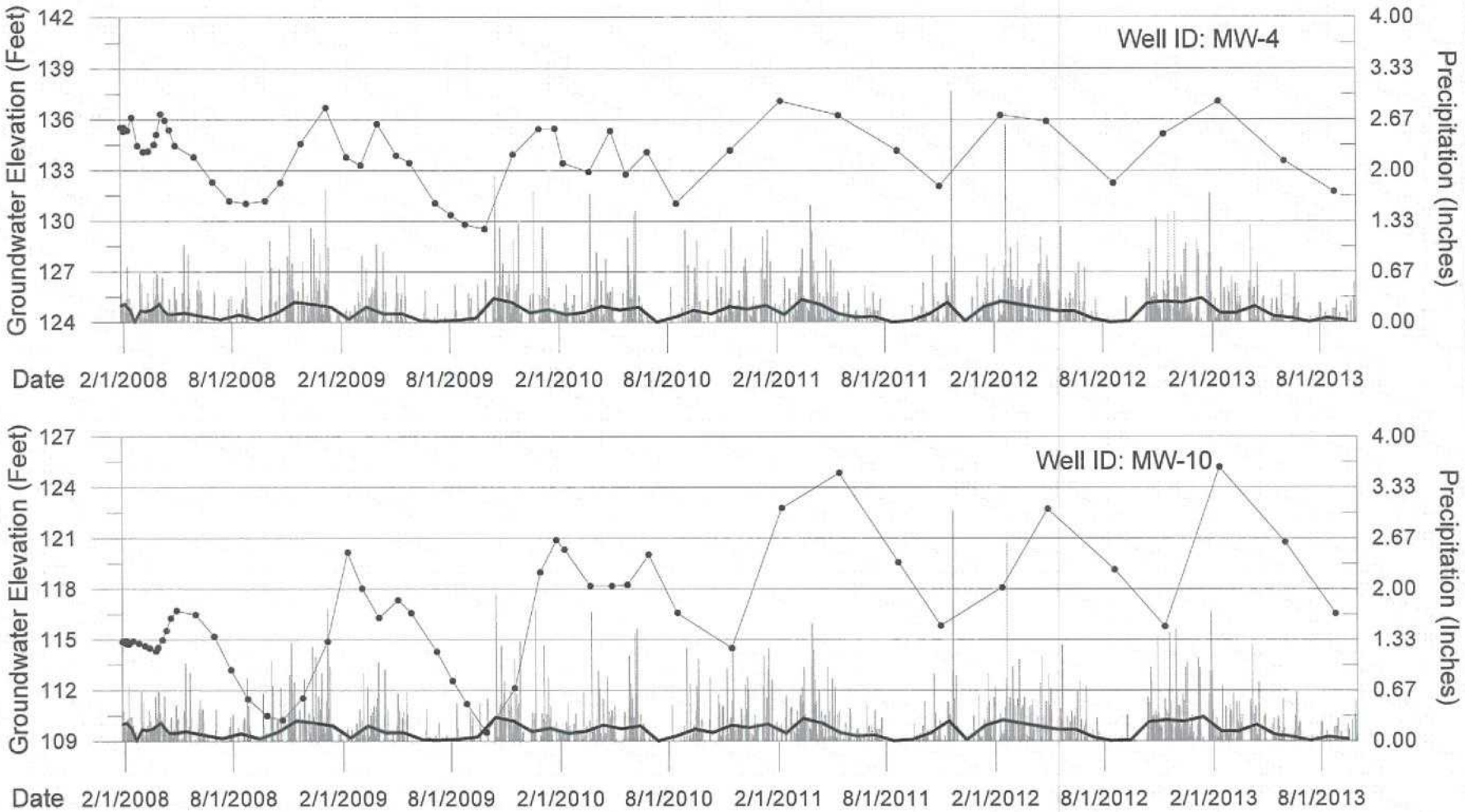

Notes:
1. Vertical datum is N.A.V.D 88.
2. Precipitation data source is the National Climatic Data Center (NCDC) Arlington, WA station (COOP ID: 450257).
3. Precipitation data include rain and/or melted snow.
4. Precipitation data from December 2010 through December 2011 are preliminary and are not final, quality-controlled data.
5. Precipitation is listed as zero for some unavailable September 2013 data points.

LEGEND
- Precipitation time series
- Daily precipitation (inches)
- Average precipitation between groundwater measurements (inches/day)

amec

GROUNDWATER ELEVATION VERSUS TIME: WELLS MW-4 AND MW-10
Former J.H. Baxter and Co. Wood Treating Facility
Arlington, Washington

Prepared By: LCD	Project No. 12706
10/17/13	Figure No. 8

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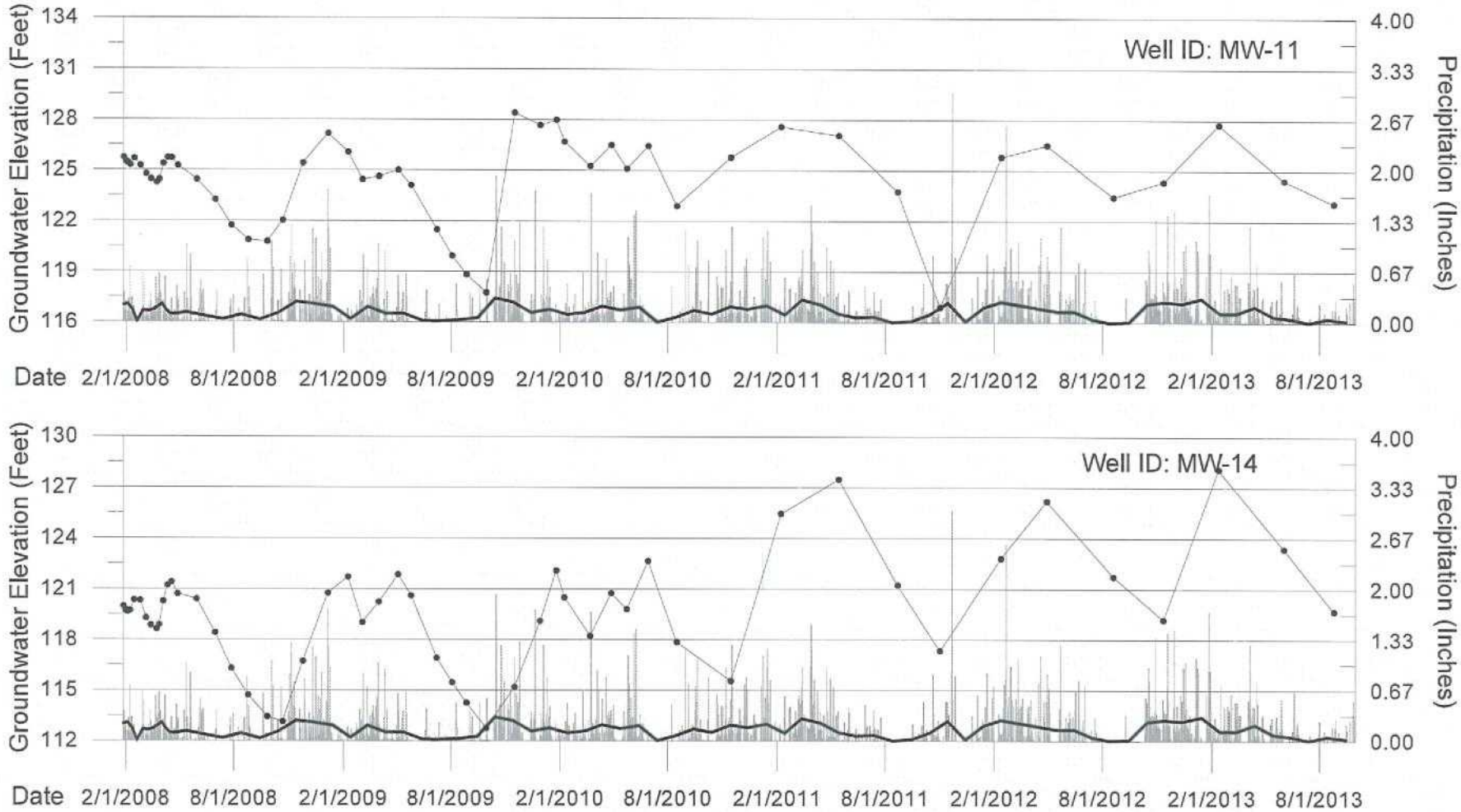

Notes:
1. Vertical datum is N.A.V.D 88.
2. Precipitation data source is the National Climatic Data Center (NCDC) Arlington, WA station (COOP ID: 450257).
3. Precipitation data include rain and/or melted snow.
4. Precipitation data from December 2010 through December 2011 are preliminary and are not final, quality-controlled data.
5. Precipitation is listed as zero for some unavailable September 2013 data points.

LEGEND
- Groundwater elevation time series
- Daily precipitation (inches)
- Average precipitation between groundwater measurements (inches/day)

amec

GROUNDWATER ELEVATION VERSUS TIME: WELLS MW-11 AND MW-14
Former J.H. Baxter and Co. Wood Treating Facility
Arlington, Washington

Prepared By: LCD	Project No. 12706
10/17/13	Figure No. 9

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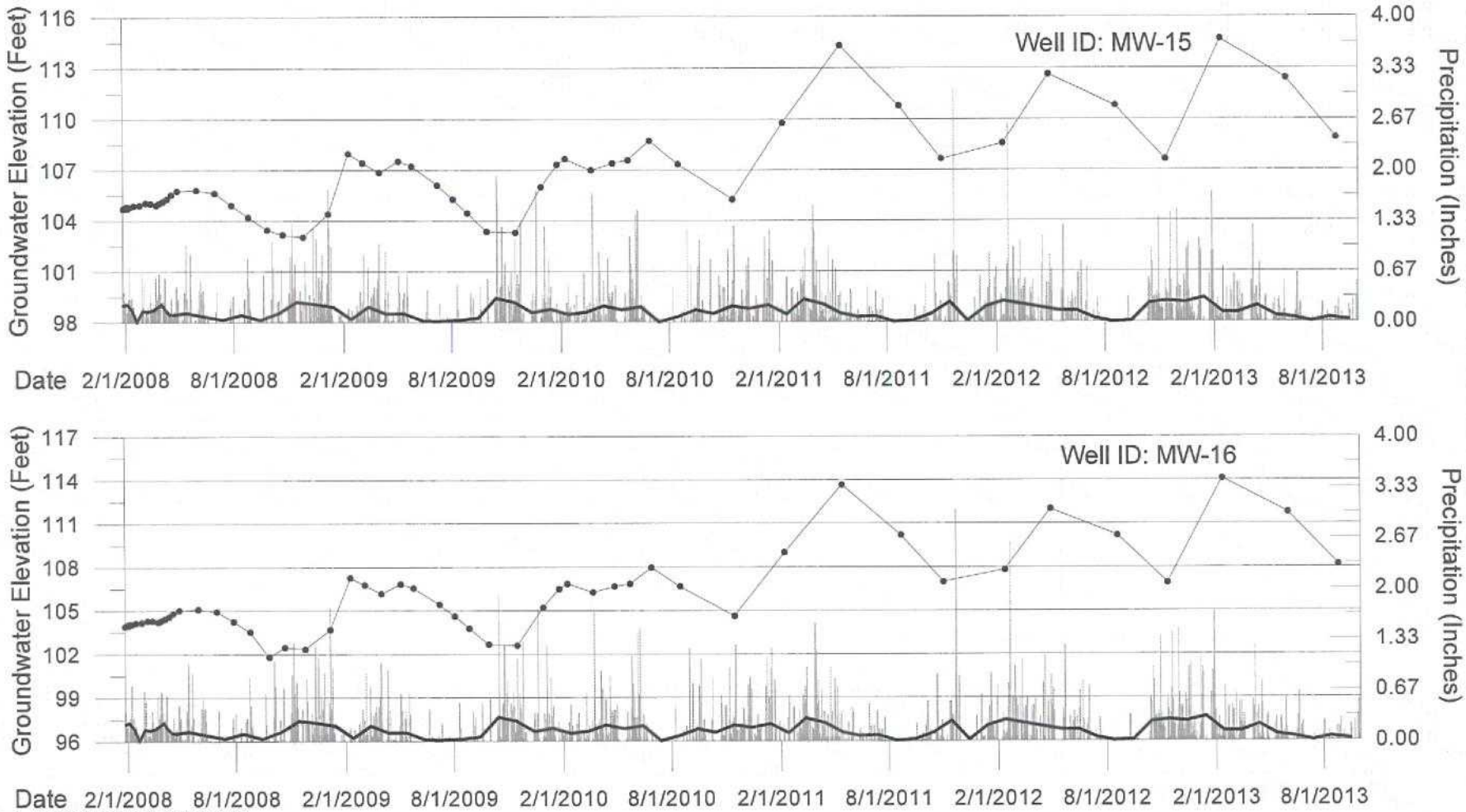

Notes:
1. Vertical datum is N.A.V.D 88.
2. Precipitation data source is the National Climatic Data Center (NCDC) Arlington, WA station (COOP ID: 450257).
3. Precipitation data include rain and/or melted snow.
4. Precipitation data from December 2010 through December 2011 are preliminary and are not final, quality-controlled data.
5. Precipitation is listed as zero for some unavailable September 2013 data points.
6. In May 2011, a suspected incorrect depth to water measurement occurred at MW-15. The 2nd Quarter 2011 groundwater elevation at MW-15 was estimated by calculating the average elevation difference between MW-15 and MW-40 for the 3rd Quarter 2010 through the 1st Quarter 2011 and adding this difference to the 2nd Quarter 2011 groundwater elevation measured at MW-40.

LEGEND
- Groundwater elevation time series
- Daily precipitation (inches)
- Average precipitation between groundwater measurements (inches/day)

amec

GROUNDWATER ELEVATION VERSUS TIME: WELLS MW-15 AND MW-16
Former J.H. Baxter and Co. Wood Treating Facility
Arlington, Washington

Prepared By: LCD	Project No. 12706
10/17/13	Figure No. 10

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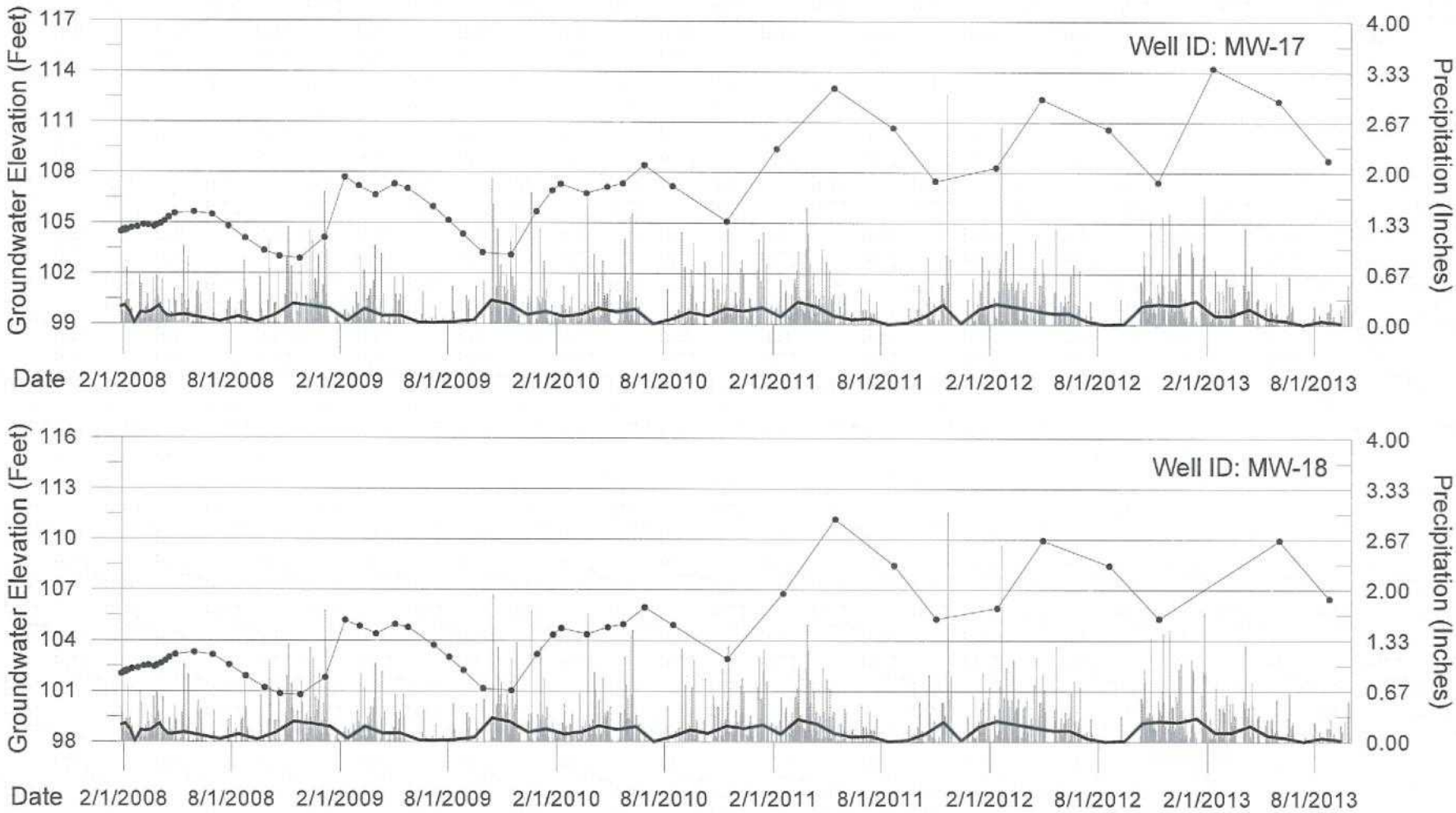

Notes:
1. Vertical datum is N.A.V.D 88.
2. Precipitation data source is the National Climatic Data Center (NCDC) Arlington, WA station (COOP ID: 450257).
3. Precipitation data include rain and/or melted snow.
4. Precipitation data from December 2010 through December 2011 are preliminary and are not final, quality-controlled data.
5. Precipitation is listed as zero for some unavailable September 2013 data points.

LEGEND
- Groundwater elevation time series
- Daily precipitation (inches)
- Average precipitation between groundwater measurements (inches/day)

amec

GROUNDWATER ELEVATION VERSUS TIME: WELLS MW-17 AND MW-18
Former J.H. Baxter and Co. Wood Treating Facility
Arlington, Washington

Prepared By: LCD	Project No. 12706
10/17/13	Figure No. 11

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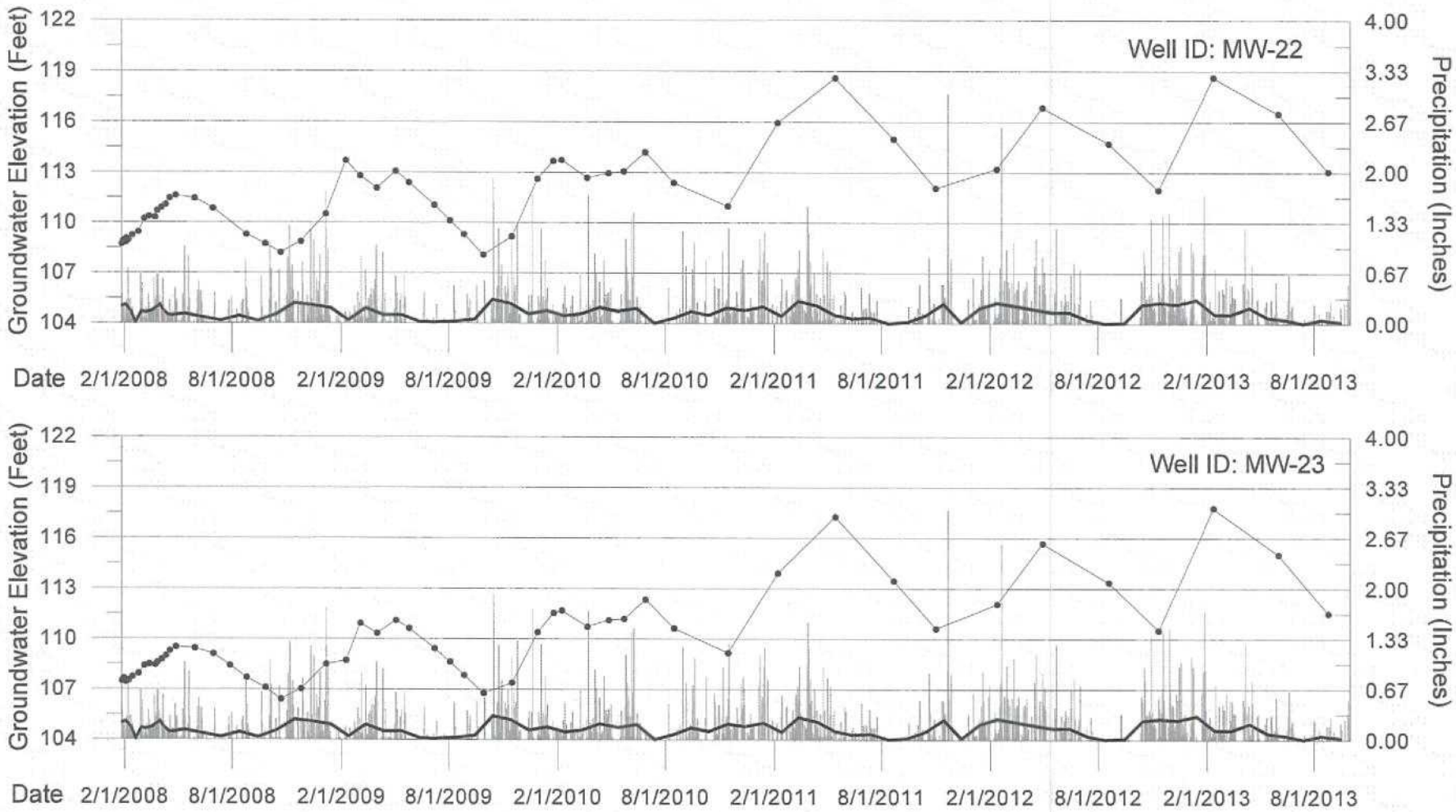

Notes:
1. Vertical datum is N.A.V.D 88.
2. Precipitation data source is the National Climatic Data Center (NCDC) Arlington, WA station (COOP ID: 450257).
3. Precipitation data include rain and/or melted snow.
4. Precipitation data from December 2010 through December 2011 are preliminary and are not final, quality-controlled data.
5. Precipitation is listed as zero for some unavailable September 2013 data points.

LEGEND
- Groundwater elevation time series
- Daily precipitation (inches)
- Average precipitation between groundwater measurements (inches/day)

amec

GROUNDWATER ELEVATION VERSUS TIME: WELLS MW-22 AND MW-23
Former J.H. Baxter and Co. Wood Treating Facility
Arlington, Washington

Prepared By: LCD	Project No. 12706
10/17/13	Figure No. 12

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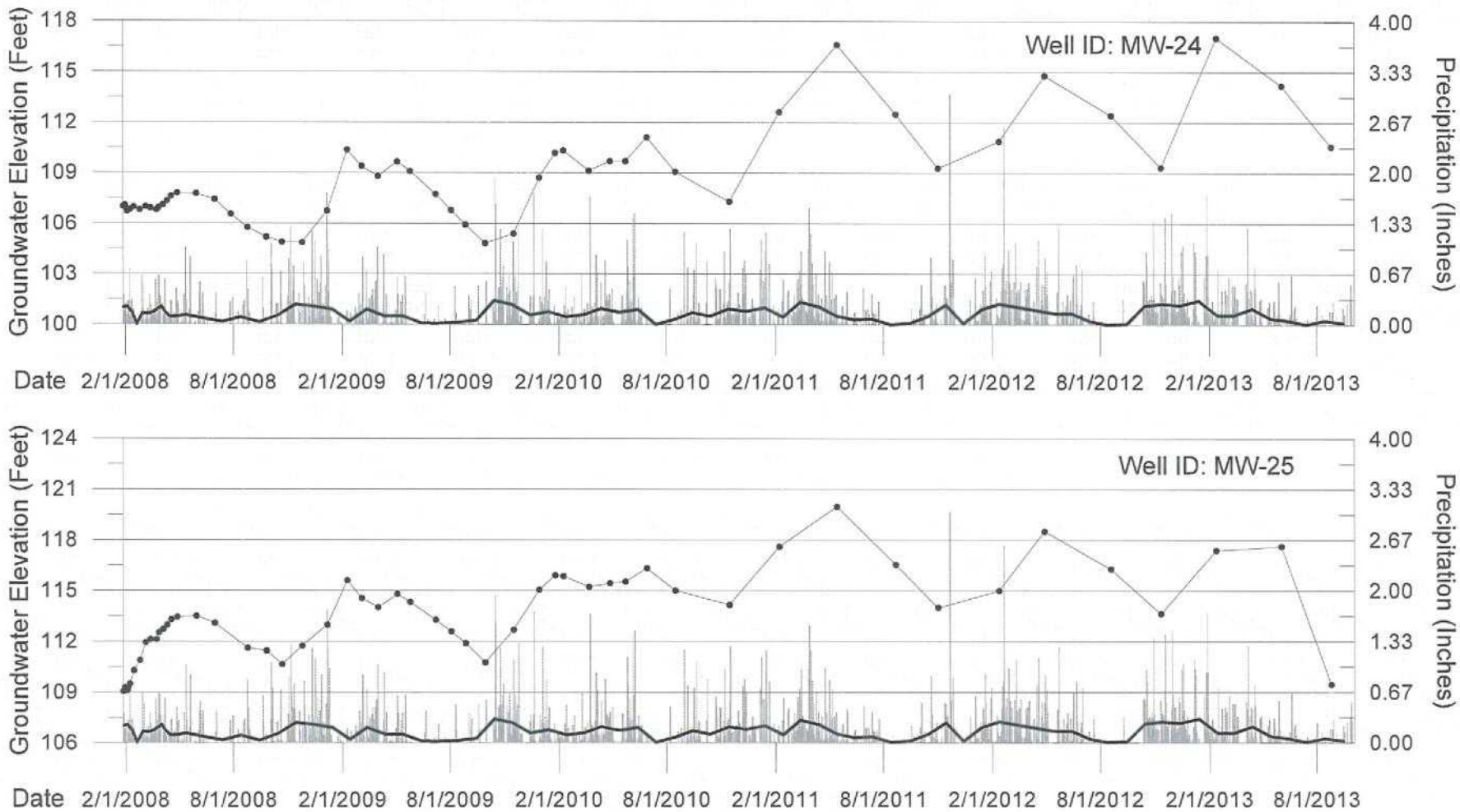

Notes:
1. Vertical datum is N.A.V.D 88.
2. Precipitation data source is the National Climatic Data Center (NCDC) Arlington, WA station (COOP ID: 450257).
3. Precipitation data include rain and/or melted snow.
4. Precipitation data from December 2010 through December 2011 are preliminary and are not final, quality-controlled data.
5. Precipitation is listed as zero for some unavailable September 2013 data points.

LEGEND
- Groundwater elevation time series
- Daily precipitation (inches)
- Average precipitation between groundwater measurements (inches/day)

amec

GROUNDWATER ELEVATION VERSUS TIME: WELLS MW-24 AND MW-25
Former J.H. Baxter and Co. Wood Treating Facility
Arlington, Washington

Prepared By: LCD	Project No. 12706
10/17/13	Figure No. 13

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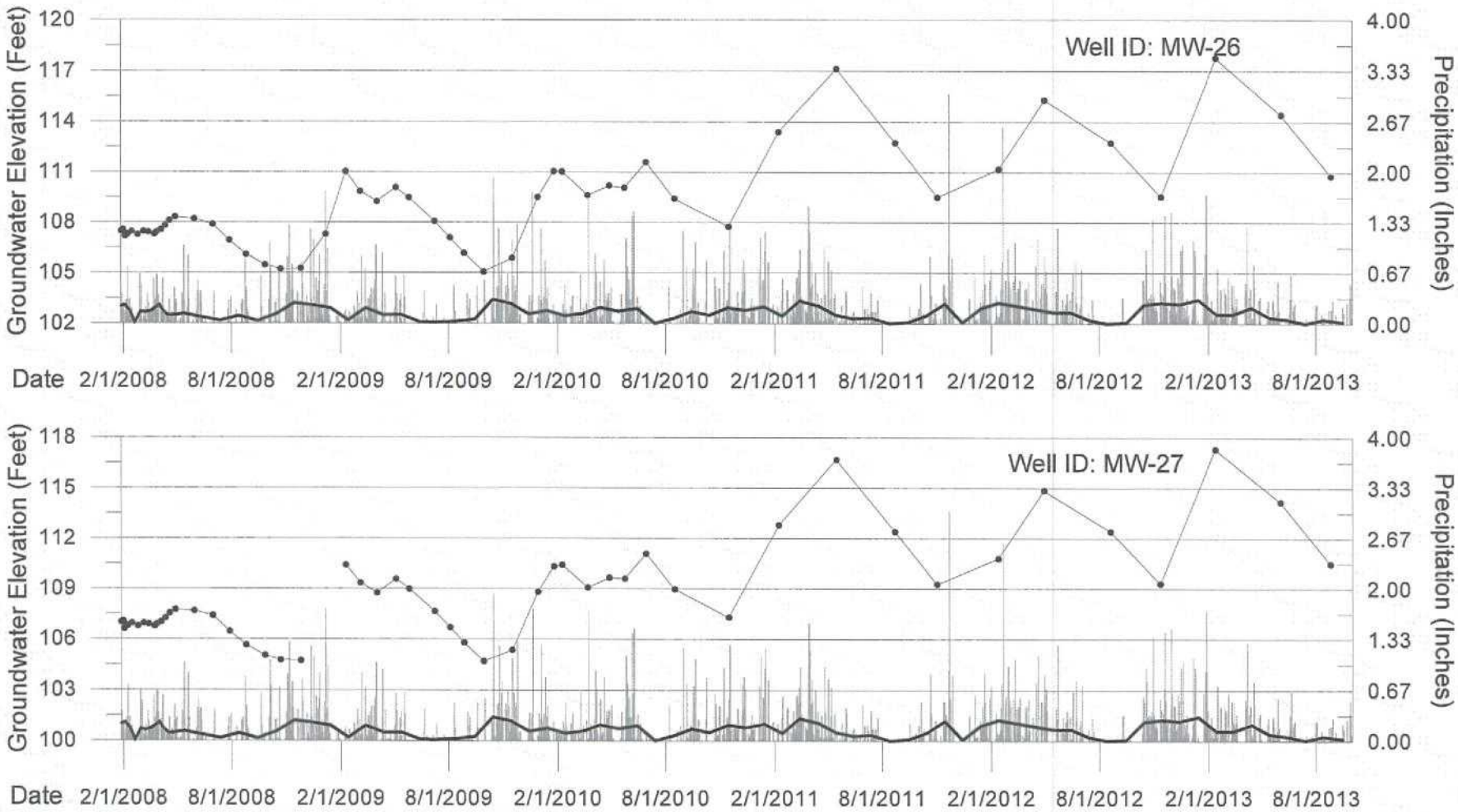

Notes:
1. Vertical datum is N.A.V.D 88.
2. Precipitation data source is the National Climatic Data Center (NCDC) Arlington, WA station (COOP ID: 450257).
3. Precipitation data include rain and/or melted snow.
4. Groundwater elevation was not collected at MW-27 during the December 2008 sampling period due to high surface water conditions surrounding the well.
5. Precipitation data from December 2010 through December 2011 are preliminary and are not final, quality-controlled data.
6. Precipitation is listed as zero for some unavailable September 2013 data points.

LEGEND
- Groundwater elevation time series
- Daily precipitation (inches)
- Average precipitation between groundwater measurements (inches/day)

amec

GROUNDWATER ELEVATION VERSUS TIME: WELLS MW-26 AND MW-27
Former J.H. Baxter and Co. Wood Treating Facility
Arlington, Washington

Prepared By: LCD	Project No. 12706
10/17/13	Figure No. 14

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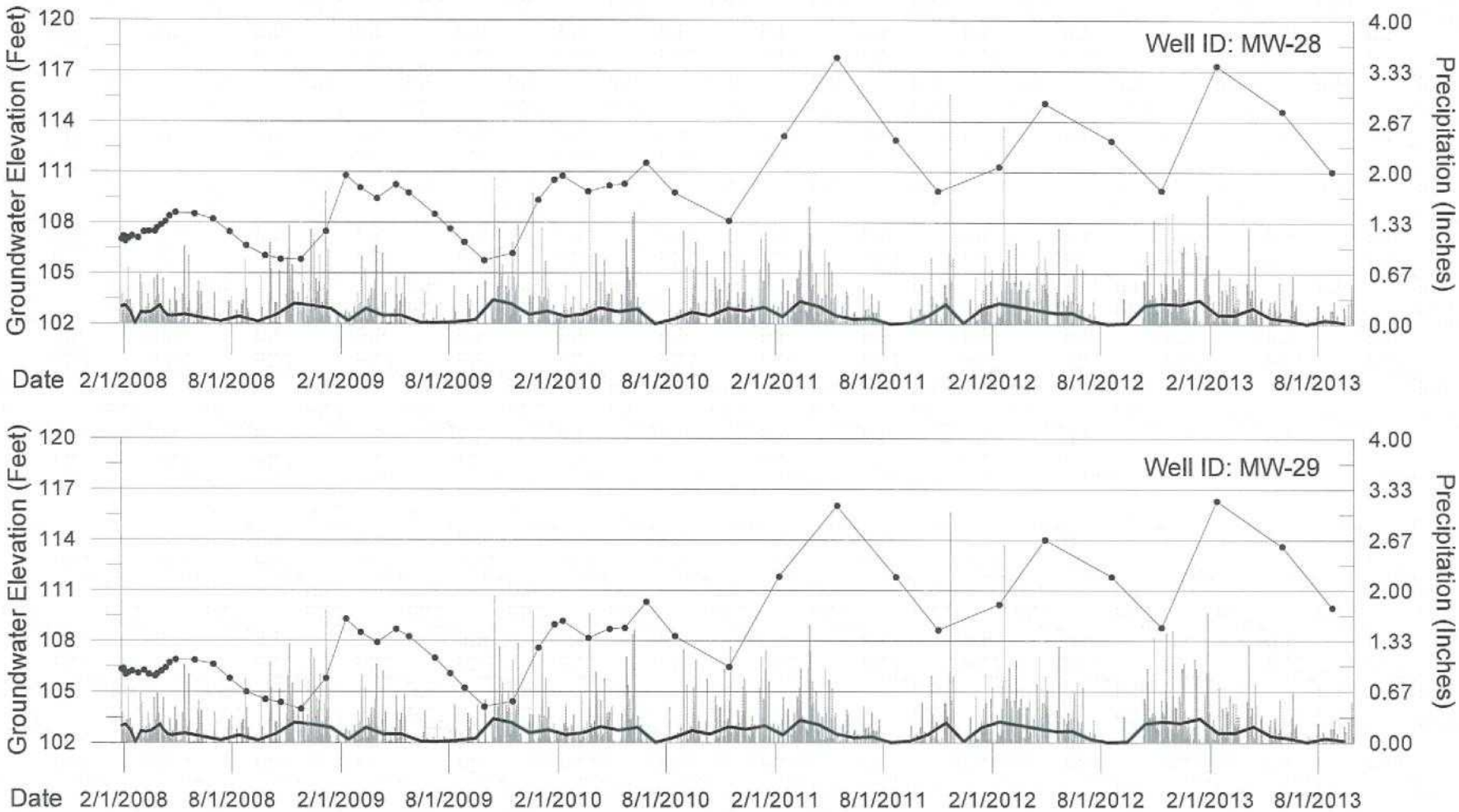

Notes:
1. Vertical datum is N.A.V.D 88.
2. Precipitation data source is the National Climatic Data Center (NCDC) Arlington, WA station (COOP ID: 450257).
3. Precipitation data include rain and/or melted snow.
4. Precipitation data from December 2010 through December 2011 are preliminary and are not final, quality-controlled data.
5. Precipitation is listed as zero for some unavailable September 2013 data points.

LEGEND
- Groundwater elevation time series
- Daily precipitation (inches)
- Average precipitation between groundwater measurements (inches/day)

amec

GROUNDWATER ELEVATION VERSUS TIME: WELLS MW-28 AND MW-29
Former J.H. Baxter and Co. Wood Treating Facility
Arlington, Washington

Prepared By: LCD	Project No. 12706
10/17/13	Figure No. 15

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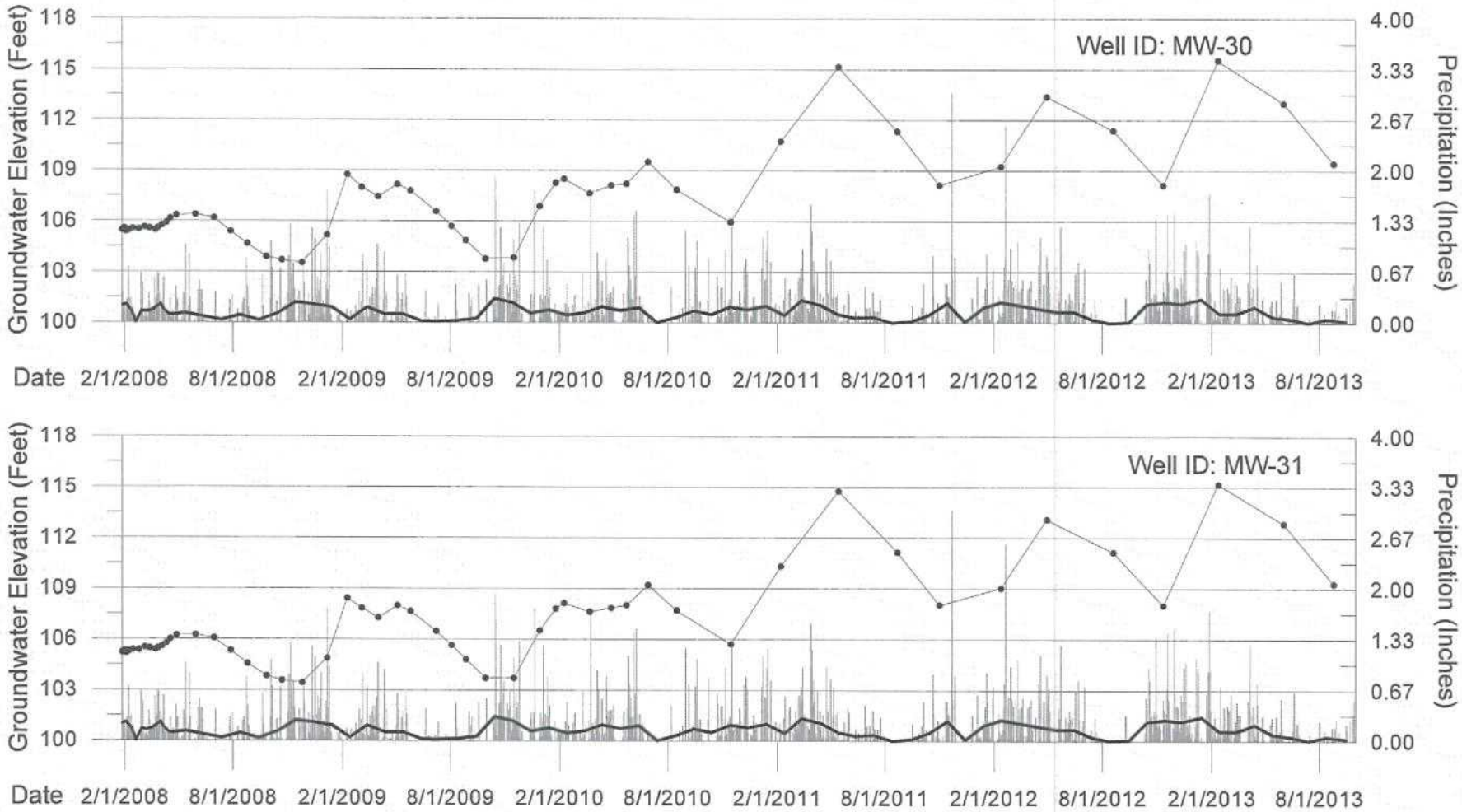

Notes:
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2. Precipitation data source is the National Climatic Data Center (NCDC) Arlington, WA station (COOP ID: 450257).
3. Precipitation data include rain and/or melted snow.
4. Precipitation data from December 2010 through December 2011 are preliminary and are not final, quality-controlled data.
5. Precipitation is listed as zero for some unavailable September 2013 data points.

LEGEND
- Groundwater elevation time series
- Daily precipitation (inches)
- Average precipitation between groundwater measurements (inches/day)

amec

GROUNDWATER ELEVATION VERSUS TIME: WELLS MW-30 AND MW-31
Former J.H. Baxter and Co. Wood Treating Facility
Arlington, Washington

Prepared By: LCD	Project No. 12706
10/17/13	Figure No. 16

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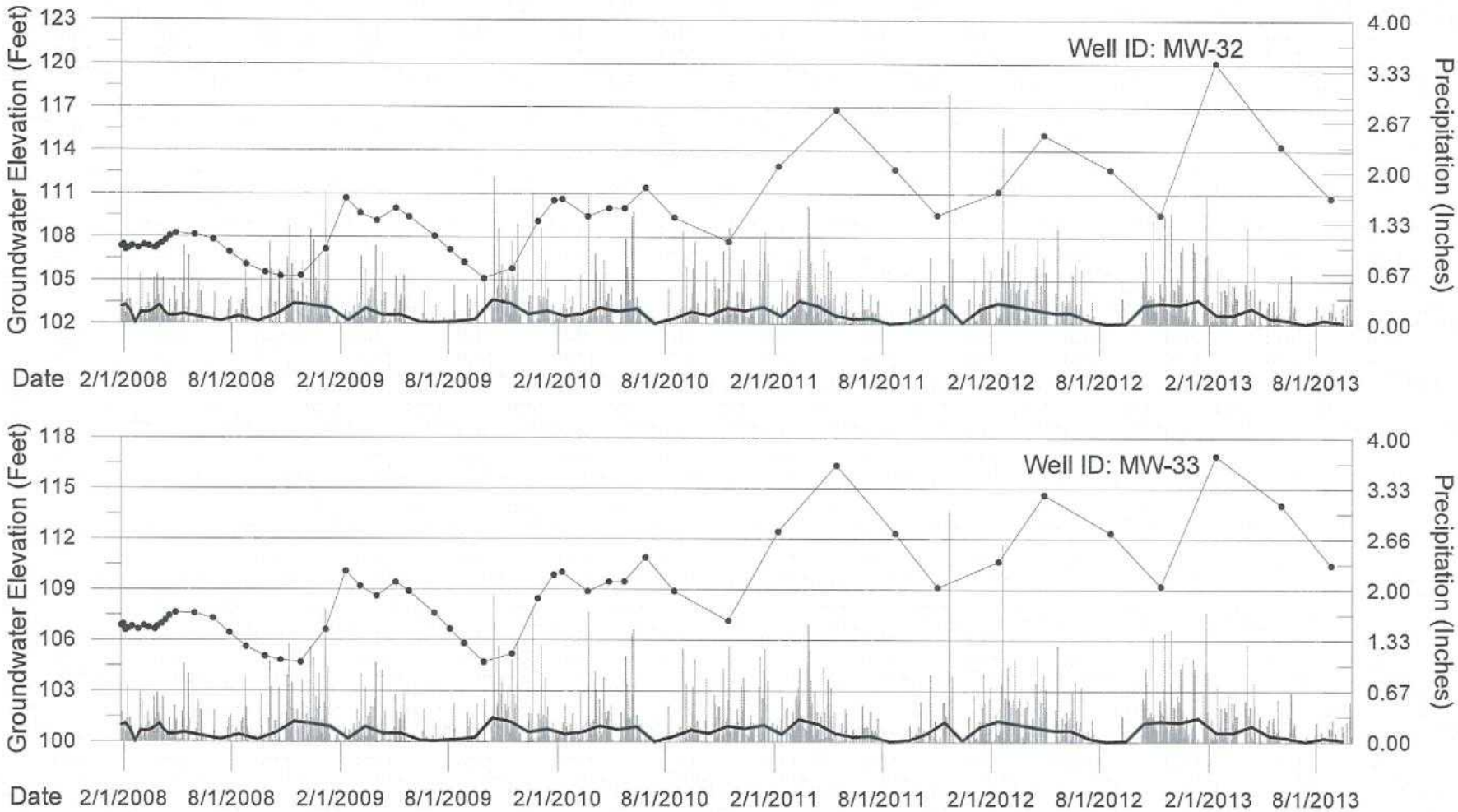

Notes:
1. Vertical datum is N.A.V.D 88.
2. Precipitation data source is the National Climatic Data Center (NCDC) Arlington, WA station (COOP ID: 450257).
3. Precipitation data include rain and/or melted snow.
4. Precipitation data from December 2010 through December 2011 are preliminary and are not final, quality-controlled data.
5. Precipitation is listed as zero for some unavailable September 2013 data points.

LEGEND
- Groundwater elevation time series
- Daily precipitation (inches)
- Average precipitation between groundwater measurements (inches/day)

amec

GROUNDWATER ELEVATION VERSUS TIME: WELLS MW-32 AND MW-33
Former J.H. Baxter and Co. Wood Treating Facility
Arlington, Washington

Prepared By: LCD	Project No. 12706
10/17/13	Figure No. 17

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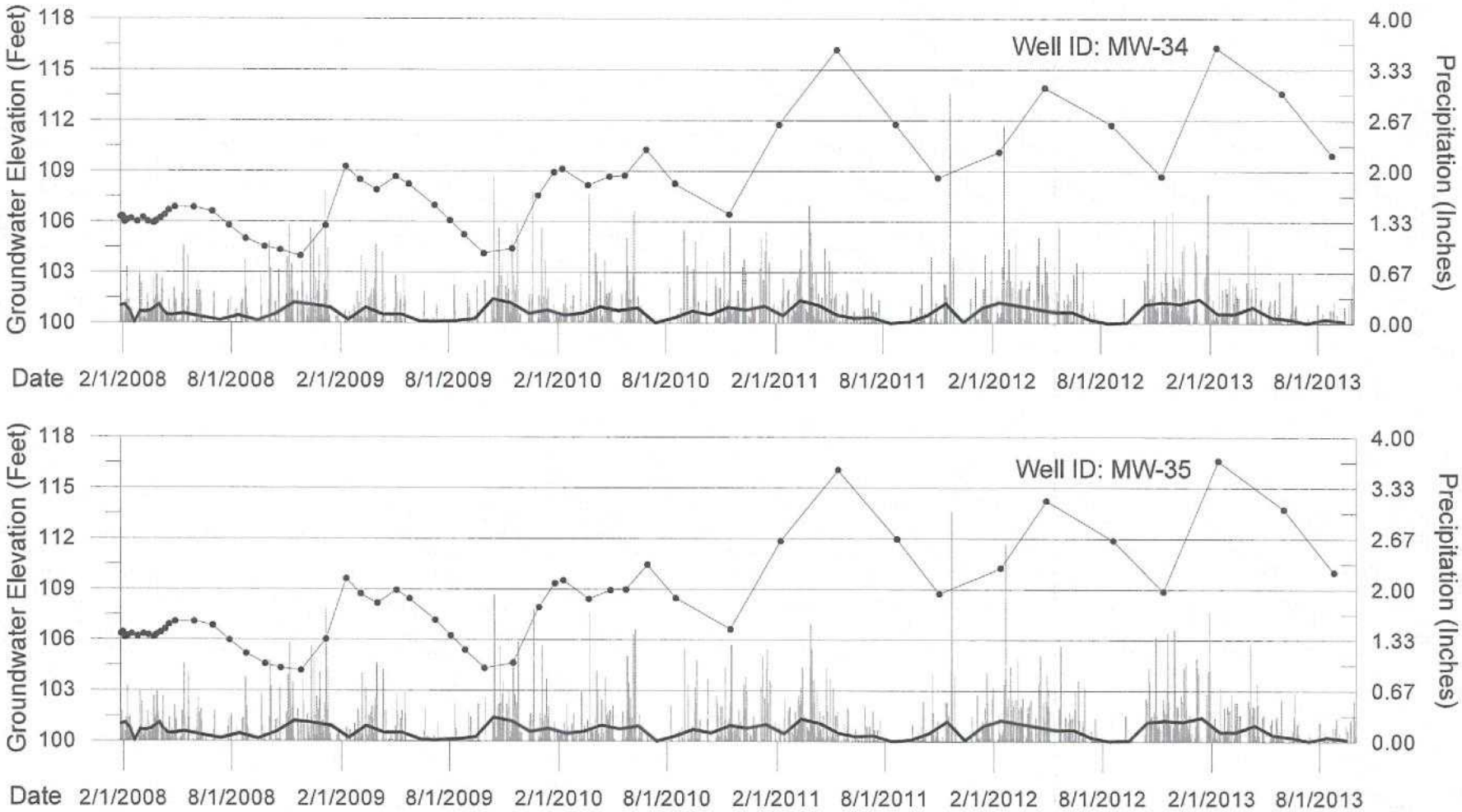

Notes:
1. Vertical datum is N.A.V.D 88.
2. Precipitation data source is the National Climatic Data Center (NCDC) Arlington, WA station (COOP ID: 450257).
3. Precipitation data include rain and/or melted snow.
4. Precipitation data from December 2010 through December 2011 are preliminary and are not final, quality-controlled data.
5. Precipitation is listed as zero for some unavailable September 2013 data points.

LEGEND
- Groundwater elevation time series
- Daily precipitation (inches)
- Average precipitation between groundwater measurements (inches/day)

amec

GROUNDWATER ELEVATION VERSUS TIME: WELLS MW-34 AND MW-35
Former J.H. Baxter and Co. Wood Treating Facility
Arlington, Washington

Prepared By: LCD	Project No. 12706
10/17/13	Figure No. 18

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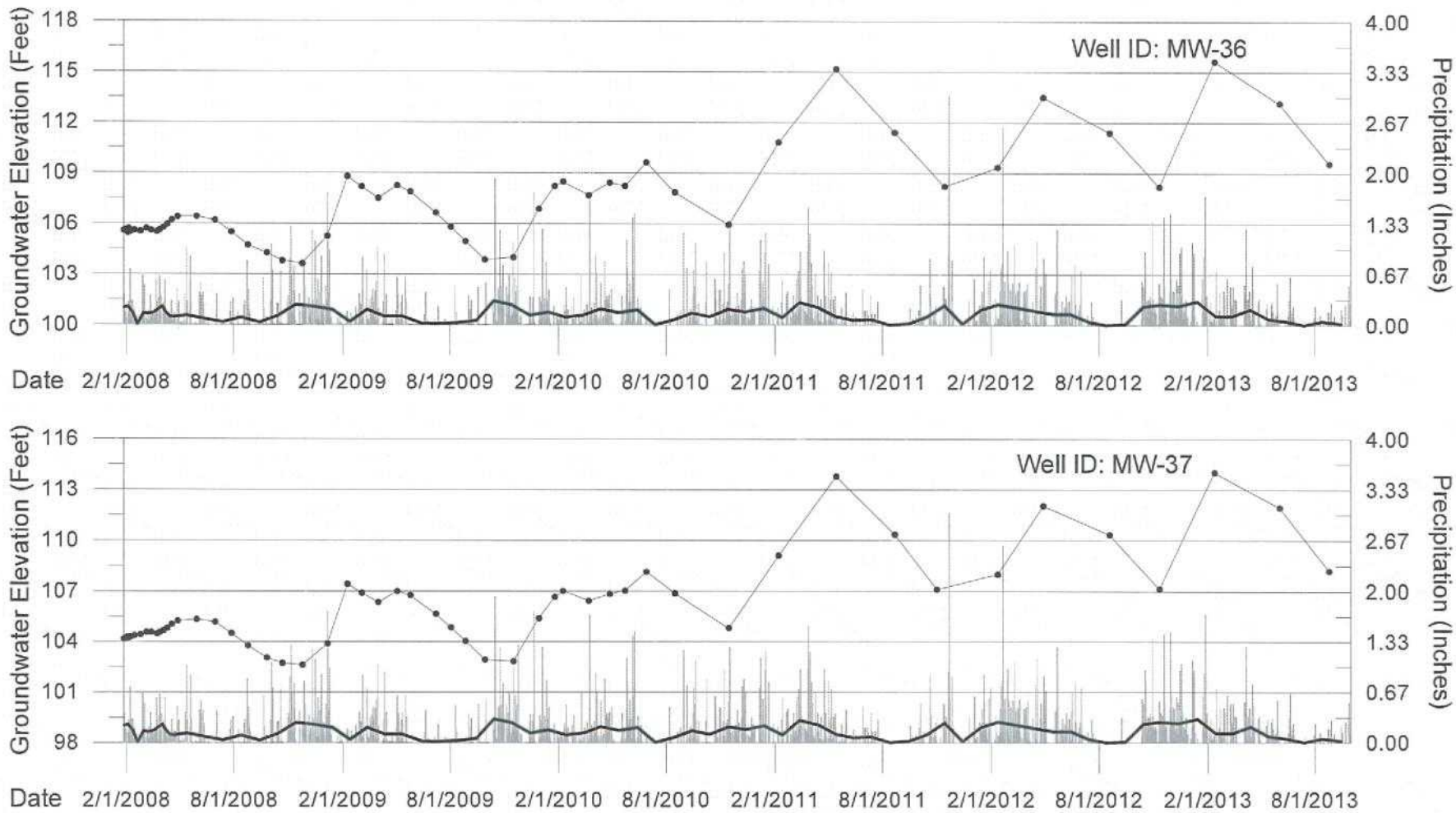

Notes:
1. Vertical datum is N.A.V.D 88.
2. Precipitation data source is the National Climatic Data Center (NCDC) Arlington, WA station (COOP ID: 450257).
3. Precipitation data include rain and/or melted snow.
4. Precipitation data from December 2010 through December 2011 are preliminary and are not final, quality-controlled data.
5. Precipitation is listed as zero for some unavailable September 2013 data points.

LEGEND
- Groundwater elevation time series
- Daily precipation (inches)
- Average precipitation between groundwater measurements (inches/day)

amec

GROUNDWATER ELEVATION VERSUS TIME: WELLS MW-36 AND MW-37
Former J.H. Baxter and Co. Wood Treating Facility
Arlington, Washington

Prepared By: LCD	Project No. 12706
10/17/13	Figure No. 19

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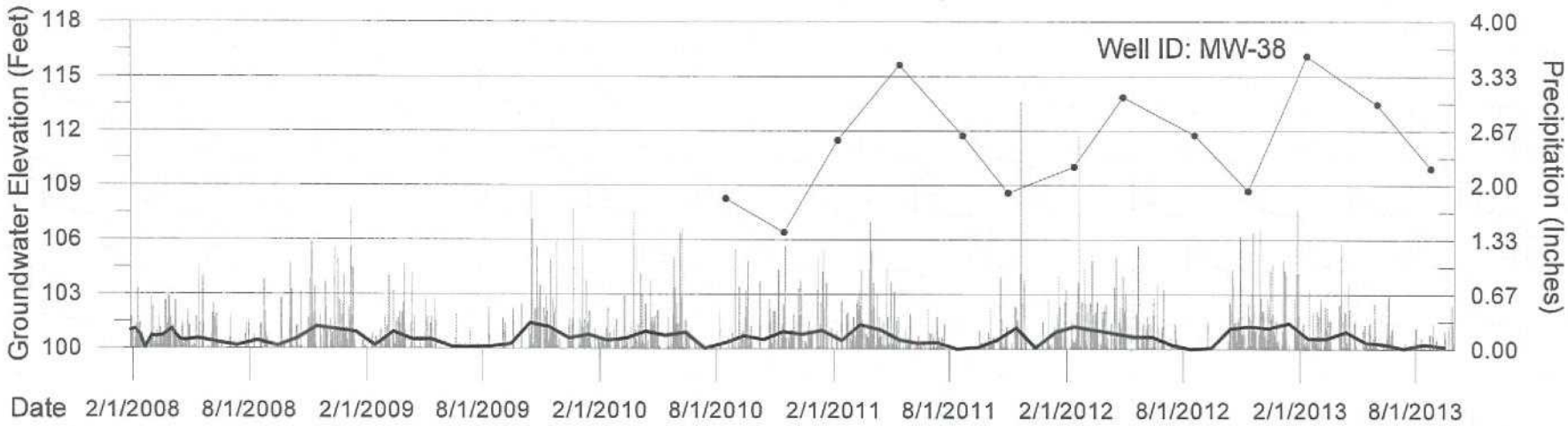

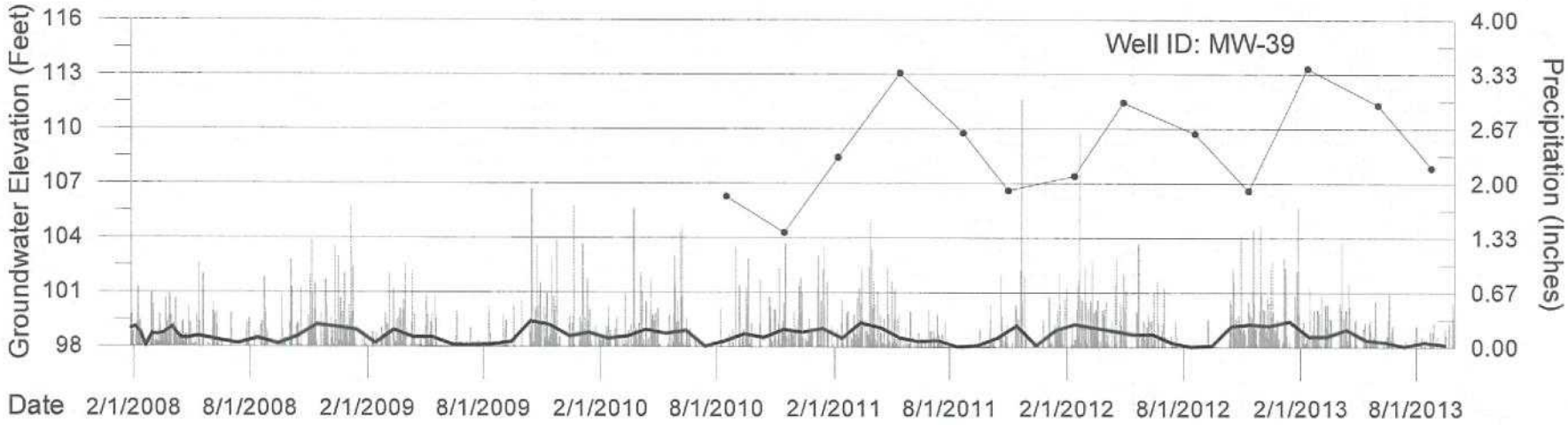

Notes:
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3. Precipitation data include rain and/or melted snow.
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5. Precipitation is listed as zero for some unavailable September 2013 data points.

LEGEND
- Groundwater elevation time series
- Daily precipation (inches)
- Average precipitation between groundwater measurements (inches/day)

amec

GROUNDWATER ELEVATION VERSUS TIME: WELLS MW-38 AND MW-39
Former J.H. Baxter and Co. Wood Treating Facility
Arlington, Washington

Prepared By: LCD	Project No. 12706
10/17/13	Figure No. 20

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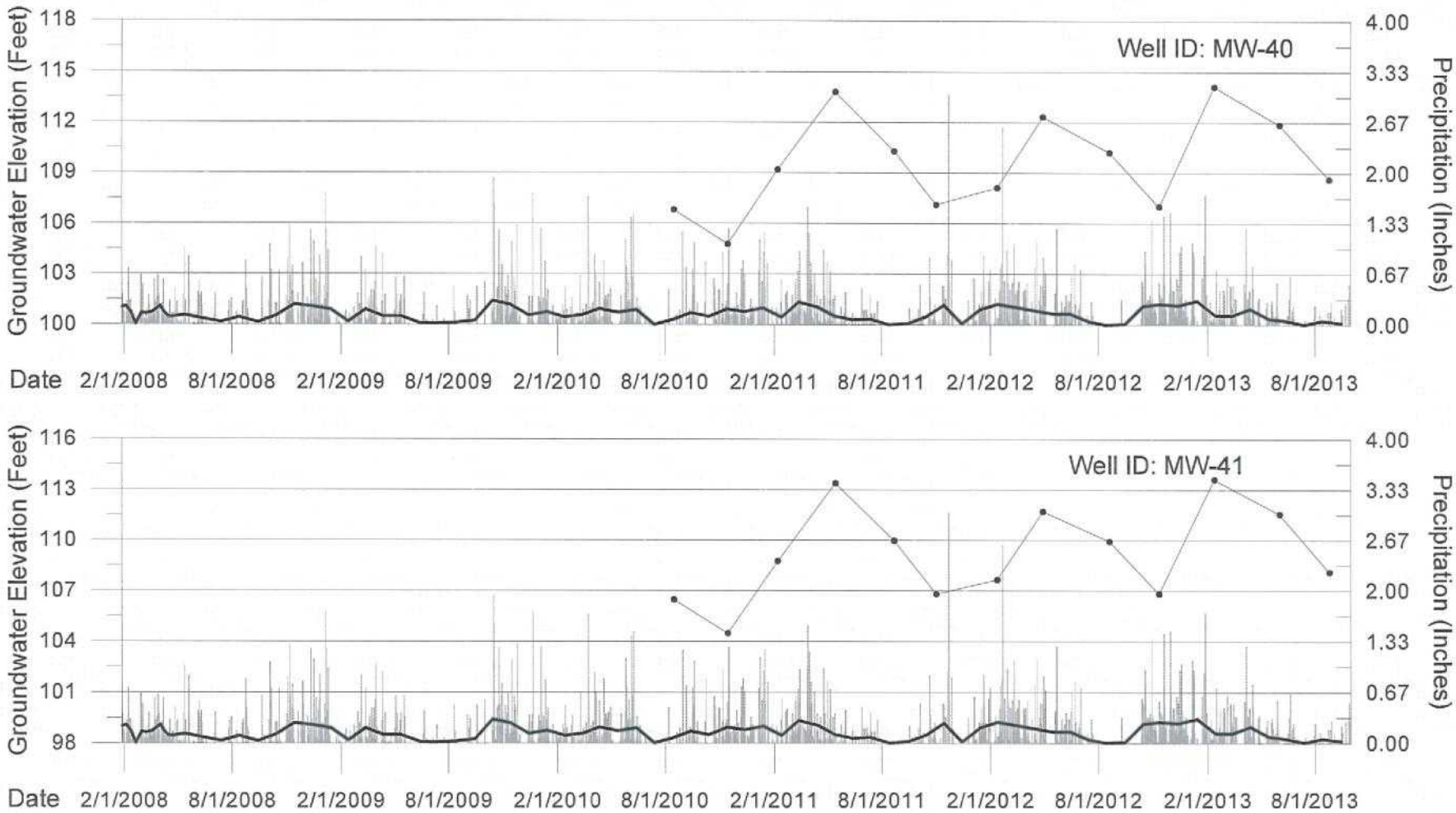

Notes:
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5. Precipitation is listed as zero for some unavailable September 2013 data points.

LEGEND
- Groundwater elevation time series
- Daily precipation (inches)
- Average precipitation between groundwater measurements (inches/day)

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GROUNDWATER ELEVATION VERSUS TIME: WELLS MW-40 AND MW-41
Former J.H. Baxter and Co. Wood Treating Facility
Arlington, Washington

Prepared By: LCD	Project No. 12706
10/17/13	Figure No. 21

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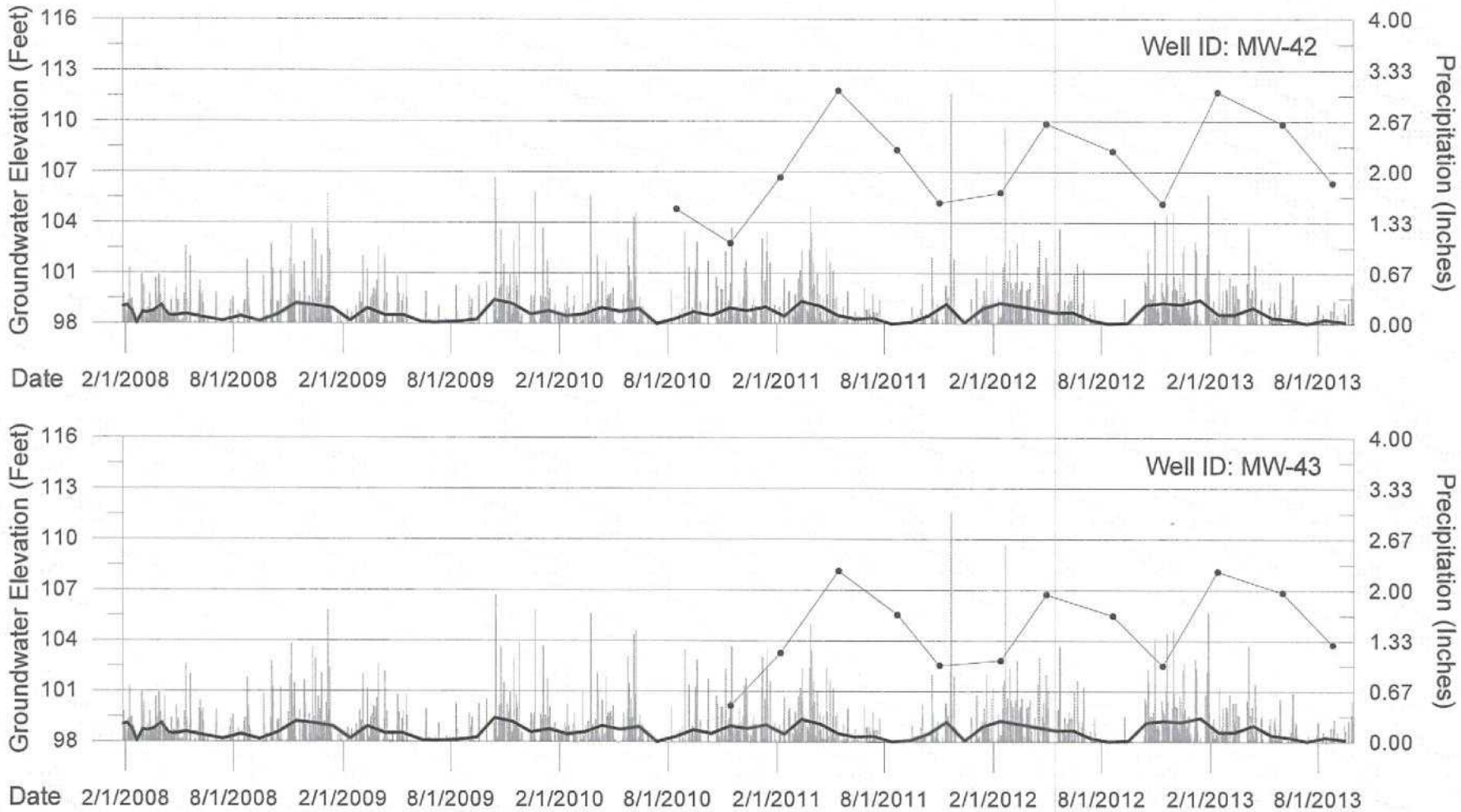

Notes:
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5. Precipitation is listed as zero for some unavailable September 2013 data points.

LEGEND
- Groundwater elevation time series
- Daily precipation (inches)
- Average precipitation between groundwater measurements (inches/day)

amec

GROUNDWATER ELEVATION VERSUS TIME: WELLS MW-42 AND MW-43
Former J.H. Baxter and Co. Wood Treating Facility
Arlington, Washington

Prepared By: LCD	Project No. 12706
10/17/13	Figure No. 22

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February 21, 2014

Jan Palumbo (AWT -121)
United States EPA, Region 10
1200 Sixth Avenue, Suite 900
Seattle, WA 98101

Subject: Third Quarter 2013 Operations and Monitoring Report
J.H. Baxter Arlington Facility
Docket No. RCRA-10-2001-0086

Dear Ms. Palumbo:

Please find enclosed two copies of the Third Quarter 2013 Operations and Monitoring Report. A compact disk containing the electronic files is also included. If you have any questions, please do not hesitate to contact me at (503) 639-3400.

Sincerely,

AMEC Environment & Infrastructure, Inc.

J. Stephen Barnett
Senior Geologist

c: Georgia Baxter, J.H. Baxter & Co.
Jamie Hillery, Stella Jones Corp.
Mike Wolanek, City of Arlington
Jeanne Tran, Ecology

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