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Office of Air, Waste & Toxics

July 15, 2014

Jan Palumbo (AWT -121)
United States EPA, Region 10
1200 Sixth Avenue, Suite 900
Seattle, WA 98101

Subject: Fourth 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 Fourth 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.

FILE COPY

J. Stephen Barnett
Senior Geologist

c: Georgia Baxter, J.H. Baxter & Co.
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FOURTH QUARTER 2013 OPERATIONS AND MONITORING REPORT - REMEDIAL ACTION PILOT STUDY

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

Arlington, Washington

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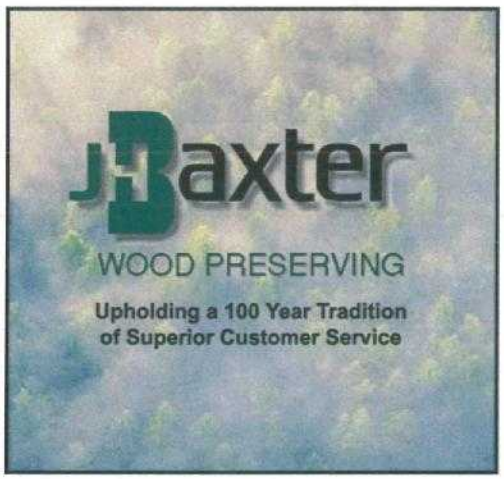

Prepared for:

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1200 Sixth Avenue
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Submitted by:

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July 15, 2014

Project No. 4-61M-125612.01.4

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FOURTH 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 Fourth 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 October 1 through December 31, 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 Fourth 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 nonaqueous-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 36), and polynuclear aromatic hydrocarbons ([PAHs] Figure 37).
- **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 nonaqueous-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 Fourth Quarter 2013. On November 19, 2013, EW-4 shut down and was restarted on November 27, 2013. Flow rates in the treatment system has been reduced (i.e., fewer extraction wells) due to decreasing infiltration capacity in the gallery as reported previously.

2.2 GROUNDWATER LEVEL MEASUREMENTS

The Fourth Quarter 2013 groundwater monitoring event was conducted from December 1 to 3, 2013. Depth-to-groundwater measurements indicated a decrease in groundwater elevations for most monitoring wells located at the facility. Table 1 presents a summary of groundwater elevations from November 2012 through December 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 December 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 December 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 transect locations are shown on Figure 23 in Appendix D. 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.

The cross section on Appendix D, Figure 2 shows downward vertical gradient at the MW-25/MW-32 well pair, which is a return to historical trends that were not shown during the Third Quarter 2013 and consistent with data trends before that time. 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). 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 the MW-25/MW-32 well pair, 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). Though the vertical gradient at MW-25/MW-32 differs significantly from third quarter 2013 results, Figure 6 shows this change as a return to historical magnitude and direction.

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 are omitted in the calculation of the monthly average.

The hydrographs indicate a correlation between groundwater elevation and precipitation. For all groundwater monitoring wells. As during previous quarters, the observed fluctuations in groundwater elevations are likely due to variation in precipitation and groundwater recharge during the reporting period.

2.3 GROUNDWATER MONITORING AND WATER QUALITY

In addition to collecting the quarterly groundwater elevation data, a groundwater sampling event was conducted during the Fourth Quarter of 2013. The sampling event was conducted between December 1 and 2, 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:

- **December 1-2, 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 (see Appendix C). 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.

PCP results for the December 2013 sampling event, as well as sampling conducted since August 2011 are shown on Figure 7 and summarized in Table 4A. PCP isopleth maps for quarterly monitoring events since January 2008 through December 2013 are provided in Figures 8 through

35. The isopleth maps were generated in Surfer™ using an interpolation scheme (kriging) to generate contours based on each well's PCP concentration. Figures 32 through 35 represent PCP isopleths for deeper zones downgradient of the Main Treatment Area for 2011, 2012, and 2013. Figure 36 provides a cross section along the longitudinal transect of the plume with PCP concentration observed during December 2013. Total PAH results are shown on Figure 37 and summarized in Table 4A. Time series plots showing PCP and total PAHs for each well are provided in Appendix A.

Pentachlorophenol concentrations in groundwater monitoring wells have generally been consistent with previous monitoring events, with a few exceptions as follows:

- MW-22: PCP concentrations in MW-22 indicated an increase from the second quarter 2010, and peaked (at approximately 300 micrograms per liter [µg/L]) in November 2012. Concentrations have subsequently decreased to130 µg/L during the third and fourth quarter monitoring events. These variations are possibly due to fluctuation in the extent of the groundwater plume near the side of the plume.
- MW-23 and MW-24: PCP concentrations in MW-23 and MW-24 have increased over the last several years. These wells are located immediately downgradient of the infiltration gallery, and the higher concentrations may indicate a decrease in effectiveness of the recirculation system and/or decreased capture efficiency.
- MW-28: PCP concentrations in MW-28 have been increasing since 2011. Following a decrease in PCP concentrations during the first three quarters of 2013, PCP concentrations increased from 21 µg/L during the third quarter to 85 µg/L to during the fourth quarter 2013. This well is located west of the Main Treatment Area, and may indicate fluctuations in the geometry of the plume near the source area.
- MW-40 and MW-41: PCP concentrations in MW-40 and MW-41have fluctuated over the last three years, ranging from approximately 150 µg/L to 510 µg/L in MW-40, and 49 µg/L to 340 µg/L in MW-41. The concentration changes may be partially related to seasonal water level variations, as well as a decrease in effectiveness of the recirculation system and capture efficiency.

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. 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 December 2013 are shown in Table 4C. During this reporting period, the PCP concentration was 630 µg/L, which is greater than the 530 µg/L observed in the previous quarter. Total tetrachlorophenols were detected at a

concentration of 21 µg/L. PCP degradation products 2,4,5-trichlorophenol and 2,4,6-trichlorophenol were not detected at or above the method reporting limits.

2.4 LNAPL RECOVERY

The sorbent socks in the five recovery wells were inspected on December 3, 2013, and the sock in MW 12 was replaced. A total mass of 0.65 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 coordinates 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 31 groundwater samples, 2 field duplicates, and 1 rinsate blank collected during the fourth 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 2014

Groundwater monitoring activities will continue in into 2014, in accordance with the PMP. These activities will include quarterly groundwater elevation monitoring and quarterly water quality monitoring. Changes to the monitoring program for future events will include collecting discrete samples from the extraction wells and having the laboratory combine the samples using EPA-approved procedures (rather than field compositing using equal volumes).

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.

Leslie Slasor
Environmental Chemist

Reviewed by:

J. Stephen Barnett, LHG
Senior Geologist

LS/lp

REFERENCES

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

EPA, 1996. Federal Register, Vol. 61, No. 85, May 1, p. 19,432.

EPA, 2001. Administrative Order on Consent, U.S. EPA, Region 10 Docket No. RCRA-10-2001-0086, U.S. Environmental Protection Agency.

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 Fourth 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]	11/11/12	2/13/13	6/2/13	8/25/13	12/2/13
BXS-1	427577.0	1320372.8	142.32	--	108.65	115.9	113.43	109.9	107.13
BXS-2	427429.1	1320176.6	141.09	106.63	110.89	117.76	115.64	112.14	109.2
BXS-3	427202.9	1320143.8	141.73	109.82	114.07	122.31	119.07	115.42	106.55
BXS-4	426556.4	1320865.9	143.05	132.10	131.32	134.54	131.65	128.3	129.82
HC-MW-5	427010.1	1320692.3	143.94	120.42	118.95	126.79	122.2	6	116.74
HC-MW-6	427887.2	1320815.7	146.69	106.84	111.96	118.13	5	6	5
HC-MW-7	428230.4	1320337.6	145.01	102.67	105.73	112.98	110.43	106.93	104.08
MW-1	427352.2	1320826.9	146.21	124.33	122.64	126.88	123.59	121.67	120.29
MW-2	428166.9	1320647.4	144.69	103.68	106.51	114.65	111.52	107.71	104.99
MW-3	427560.7	1320596.2	143.92	106.87	109.18	116.97	114.18	110.48	107.62
MW-4	425935.6	1321013.3	143.02	135.54	135.15	137.06	133.57	131.76	133.77
MW-10	427175.1	1320566.0	143.30	114.90	115.79	125.18	120.77	116.56	113.58
MW-11	427398.1	1321001.0	146.46	125.74	124.36	127.76	124.44	123.06	122.81
MW-14	425602.6	1320388.9	139.88	119.98	119.2	128.09	123.38	119.69	119.03
MW-15	427860.0	1320310.6	142.78	104.72	107.62	114.69	112.41	108.89	106.09
MW-16	428006.8	1320325.6	143.37	103.91	106.91	114.10	111.76	108.17	105.26
MW-17	427863.6	1320173.9	142.17	104.47	107.45	114.24	112.29	108.75	105.88
MW-18	428312.7	1320075.7	142.79	102.05	105.3	111.82	109.95	106.48	103.67
MW-22	427395.3	1320573.5	143.13	108.72	111.96	118.63	116.49	113.06	110.14
MW-23	427500.0	1320578.2	143.47	107.50	110.53	117.78	115.03	111.54	108.83
MW-24	427563.9	1320645.1	144.47	107.02	109.33	117.03	114.19	110.58	107.73
MW-25	427492.9	1320682.0	145.45	109.06	113.63	117.38	117.62	109.47	111.35
MW-26	427601.0	1320773.0	145.13	107.48	109.55	117.76	114.42	110.78	108
MW-27	427677.9	1320702.8	144.62	107.01	109.31	117.31	114.16	110.48	107.75
MW-28	427502.3	1320488.8	143.02	107.01	109.92	117.32	114.62	111.04	108.22
MW-29	427637.7	1320503.0	142.85	106.33	108.79	116.31	113.62	109.97	107.14
MW-30	427836.7	1320483.2	142.64	105.47	108.16	115.55	113.01	109.45	106.59
MW-31	427715.8	1320294.0	141.15	105.23	108.03	115.18	112.85	109.3	106.5
MW-32	427493.5	1320670.2	145.27	107.36	109.58	120.1	114.31	110.76	108.01
MW-33	427577.4	1320602.0	143.76	106.87	109.21	116.95	114.01	110.45	107.69
MW-34	427647.7	1320498.6	143.02	106.29	108.7	116.30	113.60	109.95	107.15
MW-35	427726.8	1320608.7	144.34	106.36	108.89	116.60	113.74	110.03	107.32
MW-36	427676.1	1320399.4	141.57	105.60	108.22	115.65	113.15	109.58	106.84
MW-37	427969.4	1320251.9	142.37	104.16	107.16	114.04	111.95	108.21	105.56
MW-38[3]	427653.6	1320491.4	143.36	NA	108.69	116.13	113.46	109.92	107.12

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]	11/11/12	2/13/13	6/2/13	8/25/13	12/2/13
MW-39[3]	427993.1	1320148.9	142.73	NA	106.6	113.31	111.3	107.85	105.07
MW-40[3]	427859.5	1320316.6	142.56	NA	107	114.13	111.86	108.63	105.62
MW-41[3]	427968.1	1320255.0	142.33	NA	106.81	113.62	111.55	108.09	105.26
MW-42[3]	428319.7	1320080.9	142.89	NA	105.13	111.72	109.84	106.35	103.68
MW-43[4]	428757.5	1319841.1	141.91	NA	102.52	108.11	106.86	103.77	101.01

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. HCMW-6 depth to water was not measured during the 2nd or 4th Quarter of 2013.
6. 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					BXS-4 - TOC Elevation: 143.42					HC-MW-5 - TOC Elevation: 143.75				
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	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**	11:51	11.32	0.00	0.00	**132.10**	15:15	23.33	0.00	0.00	**120.42**
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**	15:15	12.10	-0.78	1.25	**131.32**	15:02	24.80	-1.47	-1.64	**118.95**
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**	13:53	8.88	2.44	3.22	**134.54**	14:08	16.96	6.37	7.84	**126.79**
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**	13:55	11.77	-0.45	-2.89	**131.65**	13:53	21.55	1.78	-4.59	**122.20**
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**	11:08	15.12	-3.80	-3.35	**128.30**	-	-	-	-	**-**
12/2/2013	14:20	35.52	--	-2.77	**107.13**	15:12	33.69	2.57	-2.94	**109.20**	15:50	35.52	-3.27	-8.87	**106.55**	8:05	13.60	-2.28	1.52	**129.82**	0.59	27.01	-3.68	-	116.74

TABLE 2
WATER LEVEL READINGS[1]
Former J.H. Baxter & Co. Wood Treating Facility
Arlington, Washington

	HC-MW-6 - TOC Elevation: 146.36					HC-MW-7 - TOC Elevation: 144.73					MW-1 - TOC Elevation: 147.44					MW-2 - TOC Elevation: 145.96					MW-3[3] - TOC Elevation: 146.13				
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	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	11:05	39.52	0.00	0.00	**106.84**	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**	10:22	39.26	0.00	0.00	**106.87**
11/11/2012	14:55	34.40	5.12	-0.46	**111.96**	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**	13:51	36.95	2.31	-3.10	**109.18**
2/13/2013	13:35	28.23	11.29	6.17	**118.13**	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**	13:05	29.16	10.10	7.79	**116.97**
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**	14:17	31.95	7.31	-2.79	**114.18**
8/25/2013	-	-	-	-	-	12:03	37.8	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**	12:55	35.65	3.61	-3.70	**110.48**
12/2/2013	-	-	-	-	-	-	40.65	1.41	-2.85	**104.08**	14:00	27.15	-4.04	-1.38	**120.29**	15:00	40.97	1.31	-2.72	**104.99**	13:10	38.51	0.75	-2.86	**107.62**

TABLE 2
WATER LEVEL READINGS[1]
Former J.H. Baxter & Co. Wood Treating Facility
Arlington, Washington

	MW-4 - TOC Elevation: 145.02					MW-10 - TOC Elevation: 144.99					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	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	11:37	9.48	0.00	0.00	**135.54**	12:15	30.09	0.00	0.00	**114.90**	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**
11/11/2012	15:07	9.87	-0.39	2.90	**135.15**	15:21	29.20	0.89	-3.36	**115.79**	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	14:01	7.96	1.52	1.91	**137.06**	14:14	19.81	10.28	9.39	**125.18**	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	14:00	11.45	-1.97	-3.49	**133.57**	14:14	24.22	5.87	-4.41	**120.77**	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	12:35	13.26	-3.78	-1.81	**131.76**	13:10	28.43	1.66	-4.21	**116.56**	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**
12/2/2013	14:12	11.25	-1.77	2.01	**133.77**	14:19	31.41	-1.32	-2.98	**113.58**	14:04	23.25	-2.93	-0.25	**122.81**	14:15	22.67	-0.95	-0.66	**119.03**	14:45	36.13	1.37	-2.80	**106.09**

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					MW-22 - TOC Elevation: 142.75					MW-23 - TOC Elevation: 143.18				
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	Time	Depth (ft) below TOC	Total Change in Level (ft)	Incremental Change in Level	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**	10:10	34.03	0.00	0.00	**108.72**	10:02	35.68[6]	0.00	0.00	**107.50**
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**	13:27	30.79	3.24	-2.77	**111.96**	13:25	32.65	3.03	-2.84	**110.53**
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**	14:16	24.12	9.91	6.67	**118.63**	13:03	25.40	10.28	7.25	**117.78**
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**	13:46	26.26	7.77	-2.14	**116.49**	13:43	28.15	7.53	-2.75	**115.03**
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**	13:02	29.69	4.34	-3.43	**113.06**	13:00	31.64	4.04	-3.49	**111.54**
12/2/2013	11:52	37.65	1.35	-2.91	**105.26**	9:50	38.97	1.41	-2.87	**105.88**	7:48	38.78	1.62	-2.81	**103.67**	13:46	32.61	1.42	-2.92	**110.14**	13:07	34.35	1.33	-2.71	**108.83**

TABLE 2
WATER LEVEL READINGS[1]
Former J.H. Baxter & Co. Wood Treating Facility
Arlington, Washington

	MW-24 - TOC Elevation: 144.13					MW-25 - TOC Elevation: 144.98					MW-26 - TOC Elevation: 144.75					MW-27 - TOC Elevation: 144.31					MW-28 - TOC Elevation: 142.77				
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	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	10:25	37.11	0.00	0.00	**107.02**	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**	9:47	35.76	0.00	0.00	**107.01**
11/11/2012	13:50	34.80	2.31	-3.09	**109.33**	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**	15:30	32.85	2.91	-2.94	**109.92**
2/13/2013	N/A	27.10	10.01	7.70	**117.03**	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**	14:18	25.45	10.31	7.40	**117.32**
6/2/2013	14:22	29.94	7.17	-2.84	**114.19**	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**	14:45	28.15	7.61	-2.70	**114.62**
8/25/2013	12:14	33.55	3.56	-3.61	**110.58**	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**	13:14	31.73	4.03	-3.58	**111.04**
12/2/2013	13:20	36.40	0.71	-2.85	**107.73**	13:35	33.63	2.29	1.88	**111.35**	13:33	36.75	0.52	-2.78	**108.00**	13:29	36.56	0.74	-2.73	**107.75**	13:42	34.55	1.21	-2.82	**108.22**

TABLE 2
WATER LEVEL READINGS[1]
Former J.H. Baxter & Co. Wood Treating Facility
Arlington, Washington

	MW-29 - TOC Elevation: 142.61					MW-30 - TOC Elevation: 142.40					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	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	14:46	36.28	0.00	0.00	**106.33**	13:28	36.93	0.00	0.00	**105.47**	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**
11/11/2012	13:21	33.82	2.46	-3.02	**108.79**	13:14	34.24	2.69	-3.23	**108.16**	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	13:00	26.30	9.98	7.52	**116.31**	12:52	26.85	10.08	7.39	**115.55**	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	13:33	28.99	7.29	-2.69	**113.62**	13:23	29.39	7.54	-2.54	**113.01**	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	12:23	32.64	3.64	-3.65	**109.97**	12:16	32.95	3.98	-3.56	**109.45**	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**
12/2/2013	13:05	35.47	0.81	-2.83	**107.14**	12:55	35.81	1.12	-2.86	**106.59**	12:52	34.45	1.27	-2.80	**106.50**	13:42	37.00	0.65	-2.75	**108.01**	13:12	35.77	0.82	-2.76	**107.69**

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					MW-37 - TOC Elevation: 141.96					MW-38[4] - TOC Elevation: 143.28				
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	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**	14:05	37.80[6]	0.00	0.00	**104.16**	--	--	--	--	--
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**	12:51	34.8	3.00	-3.19	**107.16**	13:16	34.59	--	-3.08	**108.69**
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**	12:30	27.92	9.88	6.88	**114.04**	12:55	27.15	--	7.44	**116.13**
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**	13:00	30.01	7.79	-2.09	**111.95**	13:27	29.82	--	-2.67	**113.46**
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**	11:52	33.75	4.05	-3.74	**108.21**	12:20	33.36	--	-3.54	**109.92**
12/2/2013	13:02	35.45	0.86	-2.80	**107.15**	13:23	36.57	0.96	-2.71	**107.32**	12:15	34.31	1.24	-2.74	**106.84**	11:00	36.4	1.40	-2.65	**105.56**	12:58	36.16		-2.80	**107.12**

TABLE 2
WATER LEVEL READINGS[1]
Former J.H. Baxter & Co. Wood Treating Facility
Arlington, Washington

Date	MW-39[4] - TOC Elevation: 142.85					MW-40[4] - TOC Elevation: 142.10					MW-41[4] - TOC Elevation: 142.21					MW-42[4] - TOC Elevation: 142.68					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	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	Time	Depth below TOC (ft)	Total Change in Level (ft)	Incremental Change in Level (ft)	Water Level Elevation
Baseline 1/28/2008	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
11/11/2012	12:54	36.25	--	-3.12	**106.60**	13:07	35.10	--	-3.22	**107.00**	12:35	35.40	--	-3.12	**106.81**	8:00	37.55	--	-3.10	**105.13**	7:45	38.99	--	-2.98	**102.52**
2/13/2013	12:32	29.54	--	6.71	**113.31**	12:47	27.97	--	7.13	**114.13**	12:02	28.59	--	6.81	**113.62**	7:40	30.96	--	6.59	**111.72**	8:30	33.4	--	5.59	**108.11**
6/2/2013	13:03	31.55	--	-2.01	**111.30**	13:16	30.24	--	-2.27	**111.86**	12:51	30.66	--	-2.07	**111.55**	7:27	32.84	--	-1.88	**109.84**	8:28	34.65	--	-1.25	**106.86**
8/25/2013	11:58	35	--	-3.45	**107.85**	12:09	33.47	--	-3.23	**108.63**	14:43	34.12	--	-3.46	**108.09**	7:26	36.33	--	-3.49	**106.35**	8:25	37.74	--	-3.09	**103.77**
12/2/2013	10:08	37.78	--	-2.78	**105.07**	12:50	36.48	--	-3.01	**105.62**	12:15	36.95	--	-2.83	**105.26**	7:48	39.00	--	-2.67	**103.68**	8:38	40.5	--	-2.76	**101.01**

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	11/11/2012	2/13/2013	6/2/2013	8/25/2013	12/2/2013
Shallow / Intermediate	MW-25/MW-32	0.28	-0.19	0.225476839	-0.090	0.23
	MW-3/MW-33	-0.0019	0.0013	0.010821133	0.002	-0.00446
	MW-29/MW-34	0.006	0.001	0.001321877	0.001	-0.0007
Shallow / Deep	MW-29/MW-38	0.0029	0.0052	0.004652515	0.002	0.0006
	MW-15/MW-40	0.016	0.015	0.014581124	0.007	0.012
Intermediate / Deep	MW-37/MW-41	0.014	0.017	0.015974441	0.005	0.012

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 Fourth 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
2013_12SIPMP	BXS-1	BXS-1	12/2/13	57	0.0029 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	0.042 U	0.02 U	0.02 U	ND
2013_12SIPMP	BXS-1	BXS-5	12/2/13	58	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	0.058 U	0.02 U	0.02 U	ND
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	0.50 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	0.50 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	0.029	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	0.1679
2013_12SIPMP	BXS-2	BXS-2	12/2/13	0.50 U	0.0042 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	0.057 U	0.019 U	0.019 U	ND
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

TABLE 4A
Summary of Groundwater Sampling Analytical Results - 2007 through Fourth 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_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
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	0.20 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	0.50 U																		
2013_06SIPMP	HCMW-7	HCMW-7	6/3/13	0.50 U																		
2013_08SIPMP	HCMW-7	HCMW-7	8/26/13	0.17 U																		
2013_12SIPMP	HCMW-7	HCMW-7	12/2/13	0.50 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	0.20 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	0.50 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	0.50 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
2013_12SIPMP	MW-2	MW-2	12/2/13	0.50 U	0.0044 U	0.019 U	0.019 U	0.0072 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	0.08 U	0.0068 U	0.019 U	0.0072

TABLE 4A
Summary of Groundwater Sampling Analytical Results - 2007 through Fourth 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-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
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																		
2013_12SIPMP	MW-3	MW-3	12/1/13	100	0.0071 U	0.015 J	0.013 J	0.012 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	0.058	0.02 U	0.12	0.016 U	0.02 U	0.218
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	0.20 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	0.50 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
2013_12SIPMP	MW-15	MW-15	12/2/13	0.50 U	0.0045 U	0.019 U	0.019 U	0.0077 J	0.0042 U	0.019 U	0.019 U	0.0051 J	0.019 U	0.019 U	0.004 J	0.019 U	0.019 U	0.019 U	0.073 U	0.009 U	0.019 U	0.0168

TABLE 4A
Summary of Groundwater Sampling Analytical Results - 2007 through Fourth 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-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	0.20 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	0.50 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	0.014 J	0.019 U	0.019 U	0.014
2012_08SIPMP	MW-16	MW-16	8/19/12	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	0.004 J	0.019 U	0.019 U	0.004
2012_11SIPMP	MW-16	MW-16	11/12/12	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	0.024 U	0.019 U	0.019 U	ND
2013_02SIPMP	MW-16	MW-16	2/10/13	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	0.0097 J	0.019 U	0.019 U	0.0097
2013_06SIPMP	MW-16	MW-16	6/2/13	0.50 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
2013_12SIPMP	MW-16	MW-16	12/2/13	0.50 U	0.0031 U	0.019 U	0.019 U	0.019 UJ	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	0.053 U	0.0067 U	0.019 U	ND
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	0.50 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	0.0075 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
2013_12SIPMP	MW-17	MW-17	12/2/13	0.50 U	0.019 U	0.019 U	0.019 U	0.019 U	0.0033 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	0.05 U	0.0057 U	0.019 U	ND

TABLE 4A
Summary of Groundwater Sampling Analytical Results - 2007 through Fourth 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-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	0.20 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	0.50 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	0.13	0.019 U	0.019 U	0.13
2012_08SIPMP	MW-18	MW-18	8/20/12	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	0.036	0.019 U	0.019 U	0.036
2012_11SIPMP	MW-18	MW-18	11/12/12	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	0.014 U	0.019 U	0.019 U	ND
2013_02SIPMP	MW-18	MW-18	2/11/13	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	0.021 J	0.019 U	0.019 U	0.021
2013_06SIPMP	MW-18	MW-18	6/3/13	0.50 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	0.1
2013_12SIPMP	MW-18	MW-18	12/2/13	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	0.074 U	0.0061 U	0.019 U	ND
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																		
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																		
2013_12SIPMP	MW-22	MW-22	12/2/13	130																		

TABLE 4A
Summary of Groundwater Sampling Analytical Results - 2007 through Fourth 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_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																		
2013_12SIPMP	MW-23	MW-23	12/1/13	320																		
2013_12SIPMP	MW-23	MW-44	12/1/13	350																		
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	0.50 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																		
2013_12SIPMP	MW-24	MW-24	12/1/13	230																		

TABLE 4A
Summary of Groundwater Sampling Analytical Results - 2007 through Fourth Quarter 2013
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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_01	MW-25	MW-25	1/10/08	230																		
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																		
2013_12SIPMP	MW-25	MW-25	12/1/13	430																		
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	0.50 U																		
2012_11SIPMP	MW-26	MW-26	11/12/12	0.50 U																		
2013_02SIPMP	MW-26	MW-26	2/11/13	0.19 J																		
2013_06SIPMP	MW-26	MW-26	6/3/13	0.50 U																		
2013_08SIPMP	MW-26	MW-26	8/25/13	0.27 J																		
2013_12SIPMP	MW-26	MW-26	12/1/13	0.58 N																		

TABLE 4A
Summary of Groundwater Sampling Analytical Results - 2007 through Fourth 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_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	0.20 U																		
2012_05SIPMP	MW-27	MW-27	4/30/12	0.50 U																		
2012_08SIPMP	MW-27	MW-27	8/20/12	0.50 U																		
2012_11SIPMP	MW-27	MW-27	11/12/12	0.50 U																		
2013_02SIPMP	MW-27	MW-27	2/11/13	0.50 U																		
2013_06SIPMP	MW-27	MW-27	6/3/13	0.50 U																		
2013_08SIPMP	MW-27	MW-27	8/25/13	0.30 N																		
2013_12SIPMP	MW-27	MW-27	12/1/13	0.52 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																		
2013_12SIPMP	MW-28	MW-28	12/2/13	85																		

TABLE 4A
Summary of Groundwater Sampling Analytical Results - 2007 through Fourth 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_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	0.50 U																		
2012_08SIPMP	MW-29	MW-29	8/20/12	0.22 J																		
2012_11SIPMP	MW-29	MW-29	11/12/12	2.0																		
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																		
2013_12SIPMP	MW-29	MW-29	12/2/13	99																		
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
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	0.20 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	0.50 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	0.50 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	0.50 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	0.50 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	0.50 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	0.1051
2013_12SIPMP	MW-30	MW-30	12/3/13	0.50 U	0.0072 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	0.0043 J	0.019 U	0.08	0.0087 U	0.019 U	0.0803

TABLE 4A
Summary of Groundwater Sampling Analytical Results - 2007 through Fourth 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_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	0.20 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	0.50 U																		
2013_06SIPMP	MW-31	MW-31	6/3/13	0.50 U																		
2013_08SIPMP	MW-31	MW-31	8/26/13	0.25 J																		
2013_12SIPMP	MW-31	MW-31	12/2/13	0.50 N																		
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																		
2013_12SIPMP	MW-32	MW-32	12/1/13	1,200																		

TABLE 4A
Summary of Groundwater Sampling Analytical Results - 2007 through Fourth 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_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	3.0																		
2008_SI	MW-33	MW-33	7/29/08	140																		
2008_SI	MW-33	MW-33	10/21/08	250																		
2009_SI	MW-33	MW-33	2/11/09	26 J																		
2009_SI	MW-33	MW-33	5/5/09	0.16 U																		
2009_SI	MW-33	MW-33	8/4/09	610																		
2009_SI	MW-33	MW-33	11/17/09	490																		
2010_02SIPMP	MW-33	MW-33	2/9/10	0.16 U																		
2010_05SIPMP	MW-33	MW-33	5/25/10	0.34 U																		
2010_08SIPMP	MW-33	MW-33	8/17/10	25																		
2010_11SIPMP	MW-33	MW-33	11/17/10	88																		
2011_02SIPMP	MW-33	MW-33	2/9/11	12																		
2011_05SIPMP	MW-33	MW-33	5/17/11	0.07 U																		
2011_08SIPMP	MW-33	MW-33	8/24/11	0.07 U																		
2011_11SIPMP	MW-33	MW-33	11/2/11	5.9																		
2012_02SIPMP	MW-33	MW-33	2/14/12	51																		
2012_05SIPMP	MW-33	MW-33	4/30/12	0.50 U																		
2012_08SIPMP	MW-33	MW-33	8/20/12	0.50																		
2012_11SIPMP	MW-33	MW-33	11/12/12	38																		
2013_02SIPMP	MW-33	MW-33	2/11/13	0.50 U																		
2013_06SIPMP	MW-33	MW-33	6/3/13	0.50 U																		
2013_08SIPMP	MW-33	MW-33	8/25/13	8.3																		
2013_12SIPMP	MW-33	MW-33	12/2/13	12																		
2008_01	MW-34	MW-34	1/10/08	1,200																		
2008_03	MW-34	MW-34	2/26/08	1,900																		
2008_SI	MW-34	MW-34	4/28/08	320																		
2008_SI	MW-34	MW-34	7/28/08	39																		
2008_SI	MW-34	MW-34	10/20/08	270																		
2009_SI	MW-34	MW-34	2/11/09	0.16 U																		
2009_SI	MW-34	MW-34	5/5/09	0.16 U																		
2009_SI	MW-34	MW-34	8/4/09	23																		
2009_SI	MW-34	MW-34	11/17/09	9.0																		
2010_02SIPMP	MW-34	MW-34	2/9/10	0.28 J																		
2010_05SIPMP	MW-34	MW-34	5/24/10	0.20 J																		
2010_08SIPMP	MW-34	MW-34	8/17/10	250																		
2010_11SIPMP	MW-34	MW-34	11/16/10	3.0																		
2011_02SIPMP	MW-34	MW-34	2/8/11	0.07 U																		
2011_05SIPMP	MW-34	MW-34	5/17/11	50																		
2011_08SIPMP	MW-34	MW-34	8/23/11	0.07 U																		
2011_11SIPMP	MW-34	MW-34	11/2/11	2.0																		
2012_02SIPMP	MW-34	MW-34	2/13/12	59																		
2012_05SIPMP	MW-34	MW-34	4/30/12	820																		
2012_08SIPMP	MW-34	MW-34	8/19/12	12 U																		
2012_11SIPMP	MW-34	MW-34	11/12/12	220																		
2013_02SIPMP	MW-34	MW-34	2/11/13	590 J																		
2013_06SIPMP	MW-34	MW-34	6/3/13	190																		
2013_08SIPMP	MW-34	MW-34	8/26/13	180																		
2013_12SIPMP	MW-34	MW-34	12/2/13	590																		

TABLE 4A
Summary of Groundwater Sampling Analytical Results - 2007 through Fourth 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_01	MW-35	MW-35	1/8/08	0.08 U	0.0026 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	0.0077 J	0.005 U	0.0035 U	0.0103
2008_SI	MW-35	MW-35	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	0.02 U	0.005 U	0.0035 U	ND
2008_SI	MW-35	MW-35	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	0.003 U	0.005 U	0.0035 U	ND
2008_SI	MW-35	MW-35	10/21/08	0.08 U																		
2009_SI	MW-35	MW-35	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-35	MW-35	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	0.003 U	0.005 U	0.0035 U	ND
2009_SI	MW-35	MW-35	8/4/09	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	0.047 U	0.005 U	0.0035 U	ND
2009_SI	MW-35	MW-35	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	0.1 U	0.005 U	0.0035 U	ND
2010_02SIPMP	MW-35	MW-35	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	0.039	0.005 U	0.0035 U	0.039
2010_05SIPMP	MW-35	MW-35	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	0.052	0.005 U	0.0035 U	0.052
2010_08SIPMP	MW-35	MW-35	8/18/10	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	0.065	0.005 U	0.0035 U	0.065
2010_11SIPMP	MW-35	MW-35	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	0.021 U	0.005 U	0.0035 U	ND
2011_02SIPMP	MW-35	MW-35	2/9/11	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-35	MW-35	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	0.023 U	0.005 U	0.0035 U	ND
2011_08SIPMP	MW-35	MW-35	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	0.003 U	0.005 U	0.0035 U	ND
2011_11SIPMP	MW-35	MW-35	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	0.07 U	0.005 U	0.0035 U	ND
2012_02SIPMP	MW-35	MW-35	2/13/12	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	0.029	0.02 U	0.02 U	0.029
2012_05SIPMP	MW-35	MW-35	4/30/12	0.50 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.0037 J	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 J	0.019 U	0.019 U	0.0227
2012_08SIPMP	MW-35	MW-35	8/20/12	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	0.063	0.019 U	0.019 U	0.063
2012_11SIPMP	MW-35	MW-35	11/12/12	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	0.012 U	0.02 U	0.02 U	ND
2013_02SIPMP	MW-35	MW-35	2/11/13	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	0.024 J	0.019 U	0.019 U	0.024
2013_06SIPMP	MW-35	MW-35	6/3/13	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	0.018 U	0.02 U	0.02 U	ND
2013_08SIPMP	MW-35	MW-35	8/25/13	0.23 U																		
2013_12SIPMP	MW-35	MW-35	12/1/13	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	0.054	0.0098 U	0.019 U	0.054
2008_01	MW-36	MW-36	1/8/08	270	0.0035 J	0.012 J	0.0073 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	0.0091 J	0.005 U	0.0035 U	0.0319
2008_SI	MW-36	MW-36	4/28/08	130	0.0023 U	0.0044 U	0.0043 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	0.0043
2008_SI	MW-36	MW-36	7/28/08	98	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-36	MW-36	10/21/08	63	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-36	MW-36	2/9/09	29	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-36	MW-36	5/5/09	25	0.0023 U	0.0044 U	0.0034 U	0.0061 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	0.0061
2009_SI	MW-36	MW-36	8/4/09	27	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-36	MW-36	11/17/09	25	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	0.03 U	0.005 U	0.0035 U	ND
2010_02SIPMP	MW-36	MW-36	2/9/10	2.0	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	0.022	0.005 U	0.0035 U	0.022
2010_05SIPMP	MW-36	MW-36	5/25/10	37	0.0027 J	0.0044 U	0.005 J	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	0.042 U	0.005 U	0.0035 U	0.0077
2010_08SIPMP	MW-36	MW-36	8/17/10	29	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	0.0031 J	0.005 U	0.0062 J	0.0093
2010_11SIPMP	MW-36	MW-36	11/16/10	30	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 U	0.005 U	0.0035 U	ND
2011_02SIPMP	MW-36	MW-36	2/8/11	69	0.0023 U	0.0048 J	0.0034 U	0.0076 J	0.0083 J	0.0043 U	0.0058 J	0.0036 J	0.0044 J	0.0084 J	0.0025 U	0.0074 J	0.0038 U	0.0027 J	0.023 U	0.0067 J	0.0089 J	0.0686
2011_05SIPMP	MW-36	MW-36	5/15/11	90	0.0023 U	0.0044 U	0.0034 U	0.0073 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	0.0073
2011_08SIPMP	MW-36	MW-36	8/22/11	55	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-36	MW-36	11/1/11	59	0.02 U	0.0044 U	0.0034 U	0.007 J	0.0026 U	0.017 U	0.0023 U	0.0029 U	0.0025 U	0.0034 U	0.0025 U	0.0044 U	0.0057 J	0.0026 U	0.051 U	0.012 U	0.0035 U	0.0127
2012_02SIPMP	MW-36	MW-36	2/12/12	73	0.0027 J	0.02 U	0.02 U	0.0089 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 J	0.02 U	0.051	0.02 U	0.02 U	0.0826
2012_05SIPMP	MW-36	MW-36	4/29/12	200 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	0.019 U	0.019	0.019 U	0.019 U	0.019
2012_08SIPMP	MW-36	MW-36	8/19/12	140	0.02 U	0.02 U	0.02 U	0.0067 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	0.0039 J	0.02 U	0.02 U	0.02 U	0.02 U	0.0106
2012_11SIPMP	MW-36	MW-36	11/11/12	110	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 U	0.019 U	0.019 U	ND
2013_02SIPMP	MW-36	MW-36	2/10/13	260 J	0.0043 J	0.019 U	0.019 U	0.012 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	0.0056 J	0.019 U	0.0068 J	0.019 U	0.019 U	0.0287
2013_06SIPMP	MW-36	MW-36	6/3/13	230	0.02 U	0.02 U	0.02 U	0.014 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	0.0066 U	0.02 U	0.024 U	0.02 U	0.02 U	0.014
2013_08SIPMP	MW-36	MW-36	8/25/13	130																		
2013_12SIPMP	MW-36	MW-36	12/1/13	120	0.0039 U	0.019 U	0.019 U	0.017 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	0.0084 J	0.019 U	0.054	0.0087 U	0.019 U	0.0794

TABLE 4A
Summary of Groundwater Sampling Analytical Results - 2007 through Fourth 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_01	MW-37	MW-37	1/8/08	770	0.011 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	0.37	0.005 U	0.0035 U	0.381
2008_03	MW-37	MW-37	2/26/08	1,100																		
2008_SI	MW-37	MW-37	4/29/08	1,000	0.073	0.0044 U	0.016 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	1.5	0.005 U	0.0035 U	1.589
2008_SI	MW-37	MW-37	7/29/08	760	0.02 U	0.0044 U	0.0034 U	0.022	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	0.14	0.005 U	0.0035 U	0.162
2008_SI	MW-37	MW-37	10/20/08	250	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	0.0083 J	0.005 U	0.0035 U	0.0083
2009_SI	MW-37	MW-37	2/10/09	770	0.037 U	0.0045 J	0.012 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	1.1	0.005 U	0.0035 U	1.1165
2009_SI	MW-37	MW-37	5/5/09	750	0.051	0.0044 U	0.011 J	0.016 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	1.2	0.005 U	0.0035 U	1.278
2009_SI	MW-37	MW-37	8/3/09	320 J	0.0023 U	0.0044 U	0.0034 U	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	0.0038 U	0.0026 U	0.019 U	0.005 U	0.0035 U	0.011
2009_SI	MW-37	MW-37	11/17/09	160	0.0023 U	0.0044 U	0.0034 U	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	0.0038 U	0.0026 U	0.046 U	0.005 U	0.0035 U	0.011
2010_02SIPMP	MW-37	MW-37	2/9/10	390	0.02 U	0.0044 U	0.0065 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	0.36	0.005 U	0.0035 U	0.3665
2010_05SIPMP	MW-37	MW-37	5/25/10	340	0.0023 U	0.0044 U	0.0069 J	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	0.047 U	0.005 U	0.0035 U	0.0069
2010_08SIPMP	MW-37	MW-37	8/17/10	150	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-37	MW-37	11/16/10	110	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	0.026 U	0.005 U	0.0035 U	ND
2011_02SIPMP	MW-37	MW-37	2/8/11	120	0.0023 U	0.0044 U	0.0034 U	0.008 J	0.0053 J	0.0043 U	0.0023 U	0.0029 U	0.0025 U	0.0036 J	0.0025 U	0.0044 U	0.0038 U	0.0026 U	0.02 U	0.005 U	0.0035 U	0.0169
2011_05SIPMP	MW-37	MW-37	5/16/11	38	0.0023 U	0.0044 U	0.0034 U	0.0036 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	0.039 U	0.005 U	0.0035 U	0.0036
2011_08SIPMP	MW-37	MW-37	8/23/11	16	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-37	MW-37	11/2/11	22	0.02 U	0.0044 U	0.0034 U	0.0036 U	0.0026 U	0.018 U	0.0023 U	0.0029 U	0.0025 U	0.0034 U	0.0025 U	0.0044 U	0.0046 J	0.0026 U	0.039 U	0.011 U	0.0035 U	0.0046
2012_02SIPMP	MW-37	MW-37	2/13/12	50	0.02 U	0.02 U	0.0038 J	0.0049 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	0.043	0.02 U	0.02 U	0.0517
2012_05SIPMP	MW-37	MW-37	4/30/12	22	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	0.019 U	0.019 U	0.021
2012_08SIPMP	MW-37	MW-37	8/19/12	13	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	0.079	0.019 U	0.019 U	0.079
2012_11SIPMP	MW-37	MW-37	11/12/12	38	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	0.0084 U	0.019 U	0.019 U	ND
2013_02SIPMP	MW-37	MW-37	2/10/13	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	0.0027 J	0.0044 J	0.019 U	0.019 U	0.0071
2013_06SIPMP	MW-37	MW-37	6/2/13	0.50 U	0.02 U	0.02 U	0.02 U	0.0077 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	0.018 U	0.02 U	0.02 U	0.0077
2013_08SIPMP	MW-37	MW-37	8/26/13	4.2																		
2013_12SIPMP	MW-37	MW-37	12/2/13	24	0.019 U	0.019 U	0.019 U	0.01 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	0.063 U	0.019 U	0.019 U	0.01
2010_08SIPMP	MW-38	MW-38	8/17/10	0.21																		
2010_11SIPMP	MW-38	MW-38	11/16/10	0.07 U																		
2011_02SIPMP	MW-38	MW-38	2/8/11	0.07 U																		
2011_05SIPMP	MW-38	MW-38	5/17/11	0.07 U																		
2011_08SIPMP	MW-38	MW-38	8/23/11	0.07 U																		
2011_11SIPMP	MW-38	MW-38	11/2/11	0.07 U																		
2012_02SIPMP	MW-38	MW-38	2/13/12	0.02 U																		
2012_05SIPMP	MW-38	MW-38	4/30/12	2.3																		
2012_08SIPMP	MW-38	MW-38	8/19/12	0.50 U																		
2012_11SIPMP	MW-38	MW-38	11/12/12	0.50 U																		
2013_02SIPMP	MW-38	MW-38	2/11/13	0.39 J																		
2013_06SIPMP	MW-38	MW-38	6/3/13	0.50 U																		
2013_08SIPMP	MW-38	MW-38	8/26/13	0.19 U																		
2013_12SIPMP	MW-38	MW-38	12/2/13	0.42 N																		
2010_08SIPMP	MW-39	MW-39	8/17/10	130																		
2010_11SIPMP	MW-39	MW-39	11/16/10	120																		
2011_02SIPMP	MW-39	MW-39	2/8/11	120																		
2011_05SIPMP	MW-39	MW-39	5/16/11	120																		
2011_08SIPMP	MW-39	MW-39	8/23/11	110																		
2011_11SIPMP	MW-39	MW-39	11/2/11	120																		
2012_02SIPMP	MW-39	MW-39	2/13/12	130																		
2012_05SIPMP	MW-39	MW-39	5/1/12	120																		
2012_08SIPMP	MW-39	MW-39	8/19/12	94																		
2012_11SIPMP	MW-39	MW-39	11/12/12	120																		
2013_02SIPMP	MW-39	MW-39	2/10/13	93 J																		
2013_06SIPMP	MW-39	MW-39	6/2/13	95																		
2013_08SIPMP	MW-39	MW-39	8/26/13	84																		
2013_12SIPMP	MW-39	MW-39	12/2/13	58																		

TABLE 4A
Summary of Groundwater Sampling Analytical Results - 2007 through Fourth 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-40	MW-40	8/17/10	260																		
2010_11SIPMP	MW-40	MW-40	11/16/10	150																		
2011_02SIPMP	MW-40	MW-40	2/8/11	390																		
2011_05SIPMP	MW-40	MW-40	5/16/11	420																		
2011_08SIPMP	MW-40	MW-40	8/22/11	400																		
2011_11SIPMP	MW-40	MW-40	11/1/11	210																		
2012_02SIPMP	MW-40	MW-40	2/12/12	160																		
2012_05SIPMP	MW-40	MW-40	4/29/12	220 J																		
2012_08SIPMP	MW-40	MW-40	8/19/12	410																		
2012_11SIPMP	MW-40	MW-40	11/11/12	200																		
2013_02SIPMP	MW-40	MW-40	2/10/13	180 J																		
2013_06SIPMP	MW-40	MW-40	6/2/13	350																		
2013_08SIPMP	MW-40	MW-40	8/26/13	470																		
2013_12SIPMP	MW-40	MW-40	12/2/13	510																		
2010_08SIPMP	MW-41	MW-41	8/17/10	420																		
2010_11SIPMP	MW-41	MW-41	11/16/10	300																		
2011_02SIPMP	MW-41	MW-41	2/8/11	240																		
2011_05SIPMP	MW-41	MW-41	5/15/11	110																		
2011_08SIPMP	MW-41	MW-41	8/22/11	300																		
2011_11SIPMP	MW-41	MW-41	11/1/11	340																		
2012_02SIPMP	MW-41	MW-41	2/12/12	220																		
2012_05SIPMP	MW-41	MW-41	4/29/12	110 J																		
2012_08SIPMP	MW-41	MW-41	8/19/12	200																		
2012_11SIPMP	MW-41	MW-41	11/11/12	220																		
2013_02SIPMP	MW-41	MW-41	2/10/13	49 J																		
2013_06SIPMP	MW-41	MW-41	6/2/13	160	0.0043 U	0.02 U	0.02 U	0.0071 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	0.054	0.02 U	0.02 U	0.0611
2013_08SIPMP	MW-41	MW-41	8/25/13	340																		
2013_12SIPMP	MW-41	MW-41	12/1/13	310																		
2010_08SIPMP	MW-42	MW-42	8/16/10	1.2																		
2010_11SIPMP	MW-42	MW-42	11/15/10	1.2	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	0.04 U	0.005 U	0.0035 U	ND
2011_02SIPMP	MW-42	MW-42	2/7/11	2.2																		
2011_05SIPMP	MW-42	MW-42	5/16/11	14																		
2011_08SIPMP	MW-42	MW-42	8/23/11	17																		
2011_11SIPMP	MW-42	MW-42	11/2/11	11																		
2012_02SIPMP	MW-42	MW-42	2/13/12	0.071 NJ																		
2012_05SIPMP	MW-42	MW-42	5/1/12	0.50 U																		
2012_08SIPMP	MW-42	MW-42	8/20/12	12																		
2012_11SIPMP	MW-42	MW-42	11/12/12	13																		
2013_02SIPMP	MW-42	MW-42	2/11/13	44 J																		
2013_06SIPMP	MW-42	MW-42	6/3/13	0.50 U																		
2013_08SIPMP	MW-42	MW-42	8/26/13	3.4																		
2013_12SIPMP	MW-42	MW-42	12/2/13	5.6																		
2010_11SIPMP	MW-43	MW-43	11/15/10	0.07 U																		
2011_02SIPMP	MW-43	MW-43	2/8/11	0.078 J																		
2011_05SIPMP	MW-43	MW-43	5/16/11	0.13 J																		
2011_08SIPMP	MW-43	MW-43	8/23/11	0.07 U																		
2011_11SIPMP	MW-43	MW-43	11/2/11	0.07 U																		
2012_02SIPMP	MW-43	MW-43	2/13/12	0.099 NJ																		
2012_05SIPMP	MW-43	MW-43	5/3/12	0.50 U																		
2012_08SIPMP	MW-43	MW-43	8/20/12	0.50 U																		
2012_11SIPMP	MW-43	MW-43	11/13/12	0.50 U																		
2013_02SIPMP	MW-43	MW-43	2/11/13	0.50 U																		
2013_06SIPMP	MW-43	MW-43	6/3/13	0.50 U																		
2013_08SIPMP	MW-43	MW-43	8/26/13	0.20 U																		
2013_12SIPMP	MW-43	MW-43	12/2/13	0.50 U																		

Notes:

µg/L = micrograms per liter

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

J = estimated value

N = The analysis indicates the presence of an analyte for which there is presumptive evidence to make a tentative identification.

ND = not detected

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

U = undetected at the detection limit shown

TABLE 4B
CONCENTRATIONS OF PCP AND PCP DEGRADATION PRODUCTS IN EXTRACTION WELL COMPOSITE SAMPLES[1]

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

Concentrations shown in micrograms per liter (µg/L)

Analyte	11/12/2012[3]	2/11/2013[3]	6/4/2013[4]	8/27/2013[4]	12/2/2013[4]
Pentachlorophenol	690	820	590	530	630
2,4,5-Trichlorophenol	ND	ND	ND	--	--
2,4,6-Trichlorophenol	ND	ND	ND	--	--
2,3,4,6-Tetrachlorophenol	--	--	--	--	--
2,3,5,6-Tetrachlorophenol	--	--	--	--	--
3,4-Dichlorophenol	--	--	--	--	--
3,5-Dichlorophenol	--	--	--	--	--
Total Tetrachlorophenols[2]	ND	ND	ND	18 J	21

Notes

1. PCP analysis by EPA method 8151M; the composite sample does not include groundwater from EW-1, EW-5, EW-6, or EW-7.
2. Total tetrachlorophenols comprises multiple tetrachlorophenol isomers, including 2,3,4,6-tetrachlorophenol and 2,3,5,6-tetrachlorophenol.
3. Sample contains water from EW-2, EW-3, and EW-4.
4. Sample contains water from EW-2 and EW-4.

Abbreviations

EPA = United States 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		8151M		
		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	0.2	U	0.14	U					18	J					530		EW 2 & EW 4 only; Analysis by 8151M
EW 1-4 COMP	12/2/2013	1.0	U	0.50	U					21						630		EW 2 & EW 4 only; Analysis by 8151M

Notes:

µg/L = micrograms per liter

D = The reported result is from a dilution

i = The method reporting limit/method detection limit (MRL/MDL) is elevated due to a chromatographic interference

J = Estimated value between practical quantitation limit (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.

U = Undetected above the listed detection limit

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 6
Light Nonaqueous-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	0.20	0.73	0.09
12/3/2013	MW-12	0.98	0.33	0.65	0.08
TOTAL				47.67	5.69

Notes:

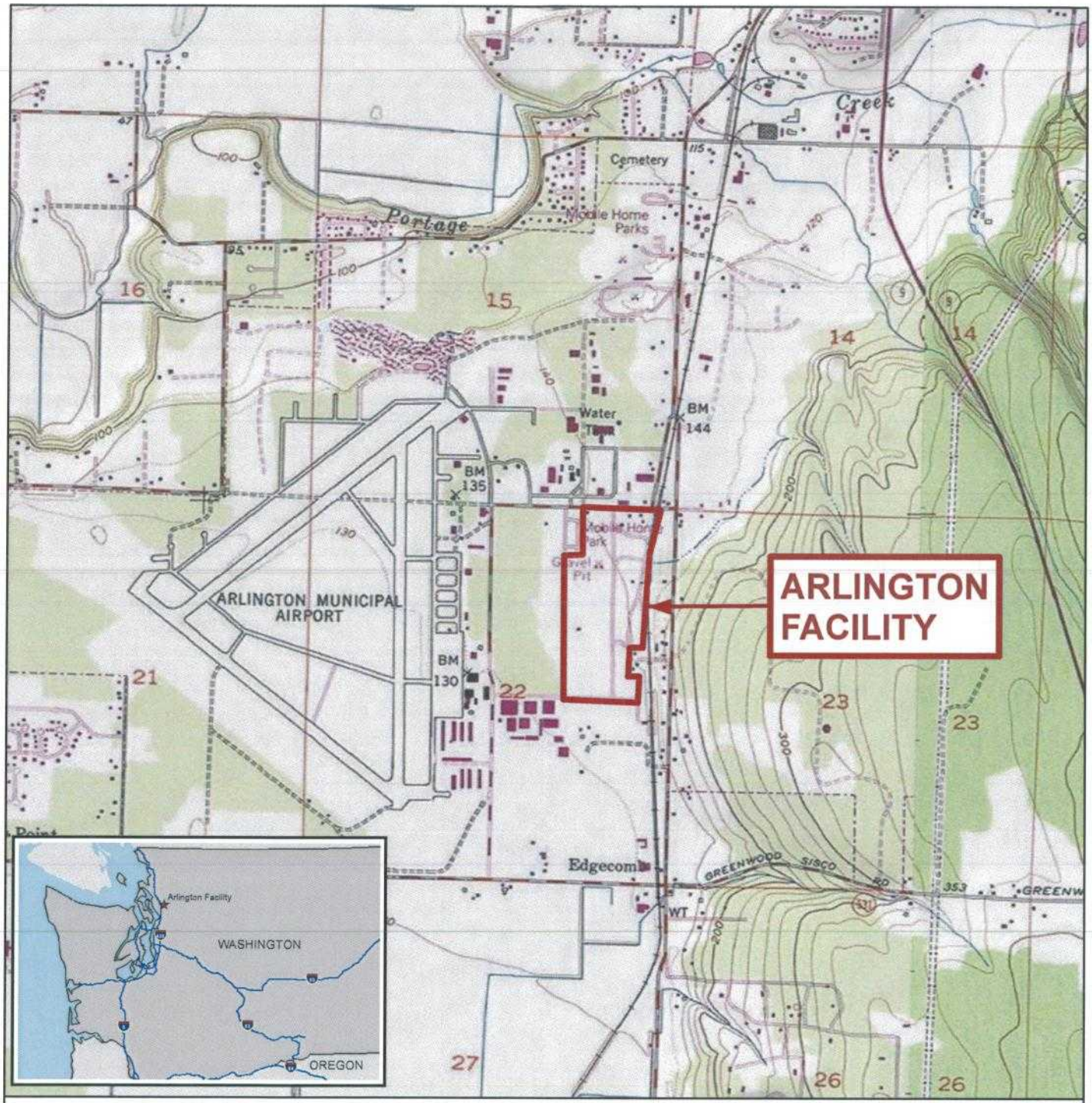
NA = Not analyzed

NC = No Change, water level low

lbs = pounds

LNAPL = light nonaqueous-phase liquid

FIGURES

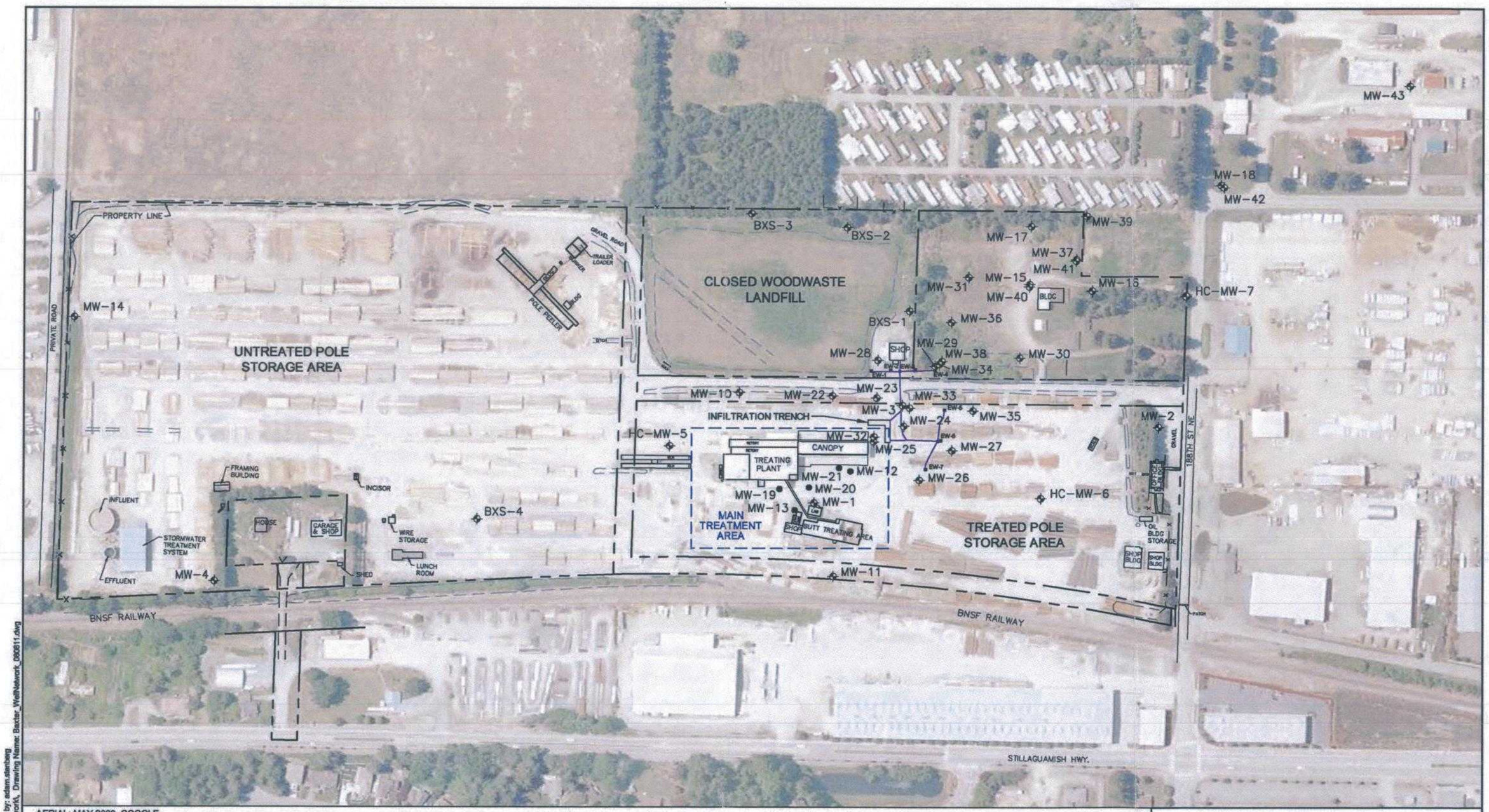


0 1,000 2,000 4,000 Feet

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/SD	DATUM: NAD83	DATE: MARCH 2014
PROJECT: FORMER J.H. BAXTER AND CO. WOOD TREATING FACILITY ARLINGTON, WA		CHK'D BY: SB	REV. NO.: 1	PROJECT NO.: 461M125612.01.4
		PROJECTION: WA SP N. Ft.	SCALE: 1 inch = 2,000 feet	FIGURE NO.: 1

K:\12000\12500\12561\125612\DWG\4Q2013\Figure 1 - Site Vicinity Map.mxd - stephane.descombes - 3/7/2014 - 11:24:52 AM



AERIAL: MAY 2009, GOOGLE

LEGEND

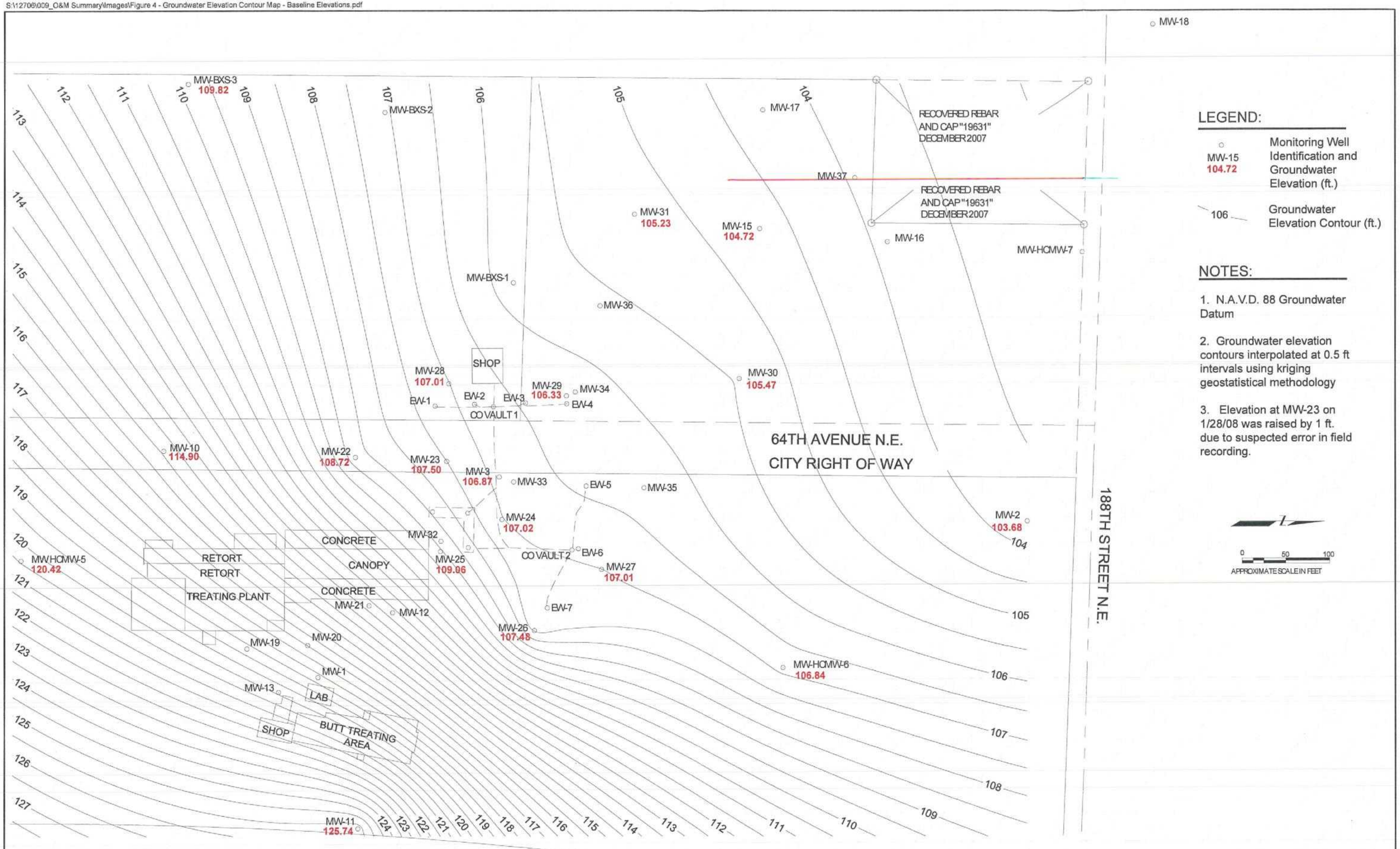
MW-1 ◇	MONITORING WELL
MW-12 ●	LNAPL RECOVERY WELL
EW-1 ■	EXTRACTION WELL AND VAULT IDENTIFYING NUMBER
— — —	APPROXIMATE SITE BOUNDARY
———	LAYOUT OF GROUNDWATER RECIRCULATION PIPING

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 1

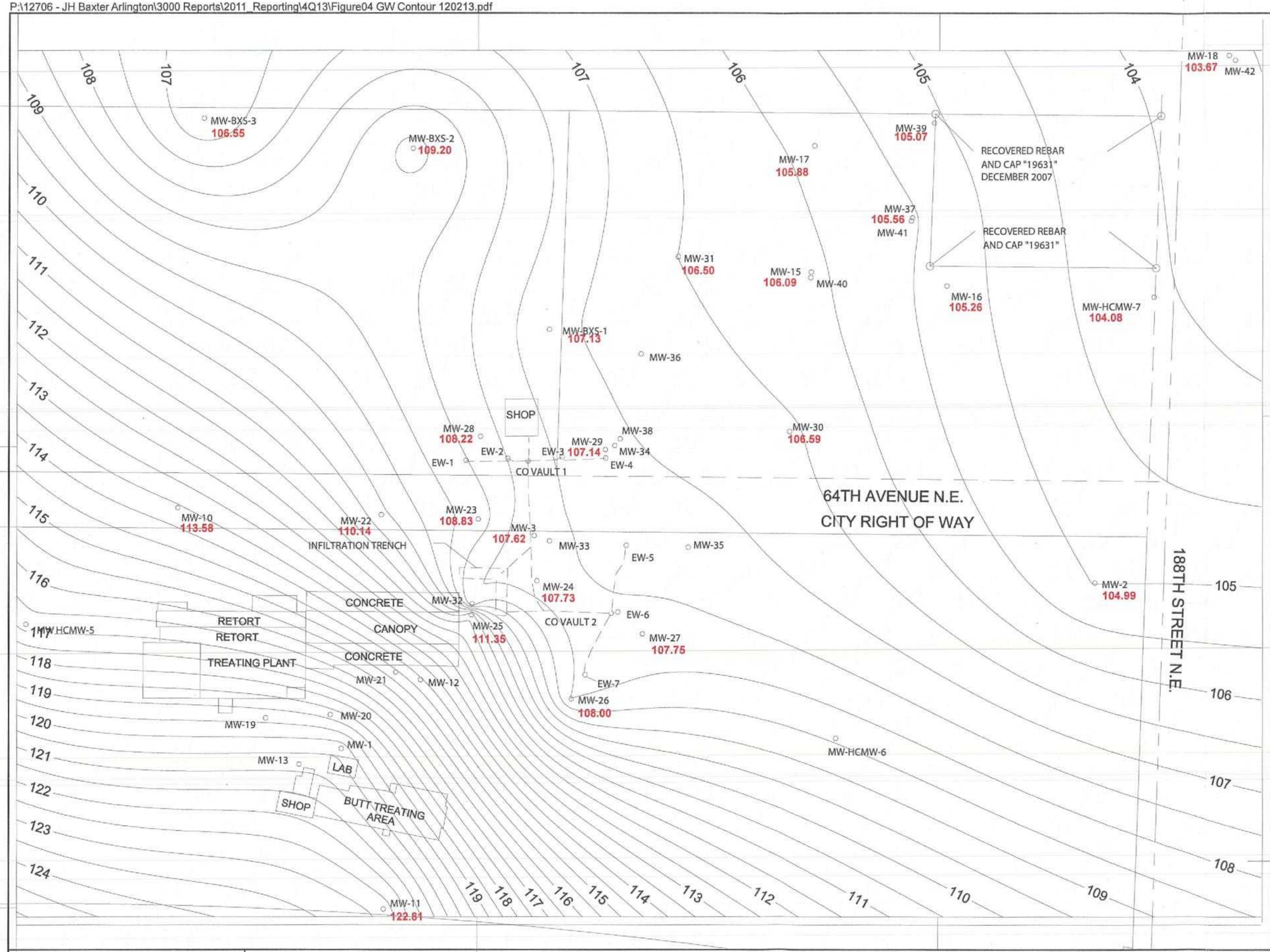
Plot Date: 08/08/11 - 2:59pm, Plotted by: adam.stenberg
Drawing Path: S:\127060\014_WellNetwork\, Drawing Name: Baxter_WellNetwork_080811.dwg



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-17 105.88	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.

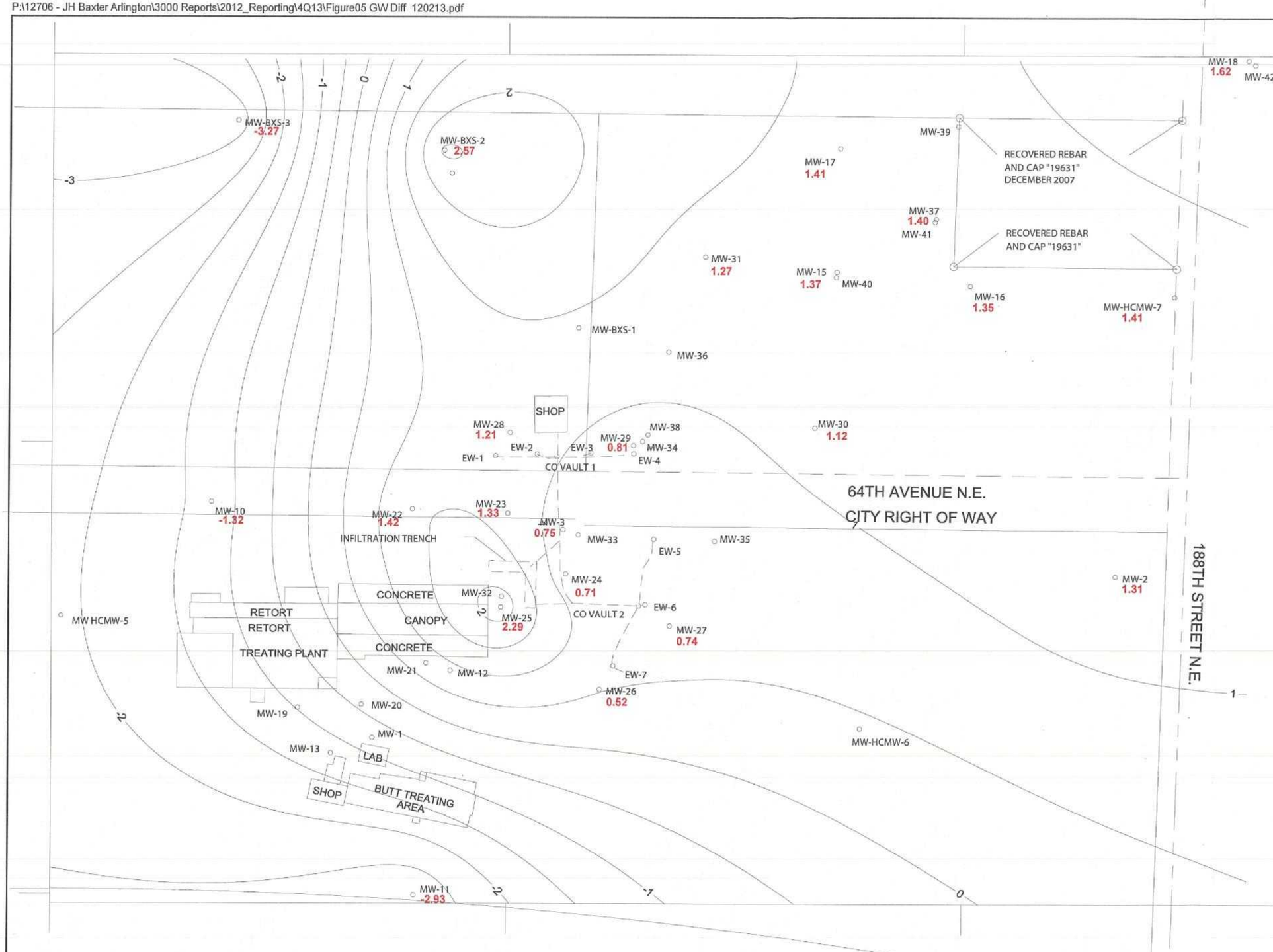
6. For well pairs and well triplets, groundwater elevation from the well with the highest screen elevation was used for contouring.

0 50 100
APPROXIMATE SCALE IN FEET

amec

FOURTH QUARTER 2013 (DECEMBER 2, 2013) GROUNDWATER ELEVATION CONTOUR MAP
Former J.H. Baxter and Co. Wood Treating Facility
Arlington, Washington

Prepared By: LCD	Project No. 12706
Date: 02/18/2014	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.

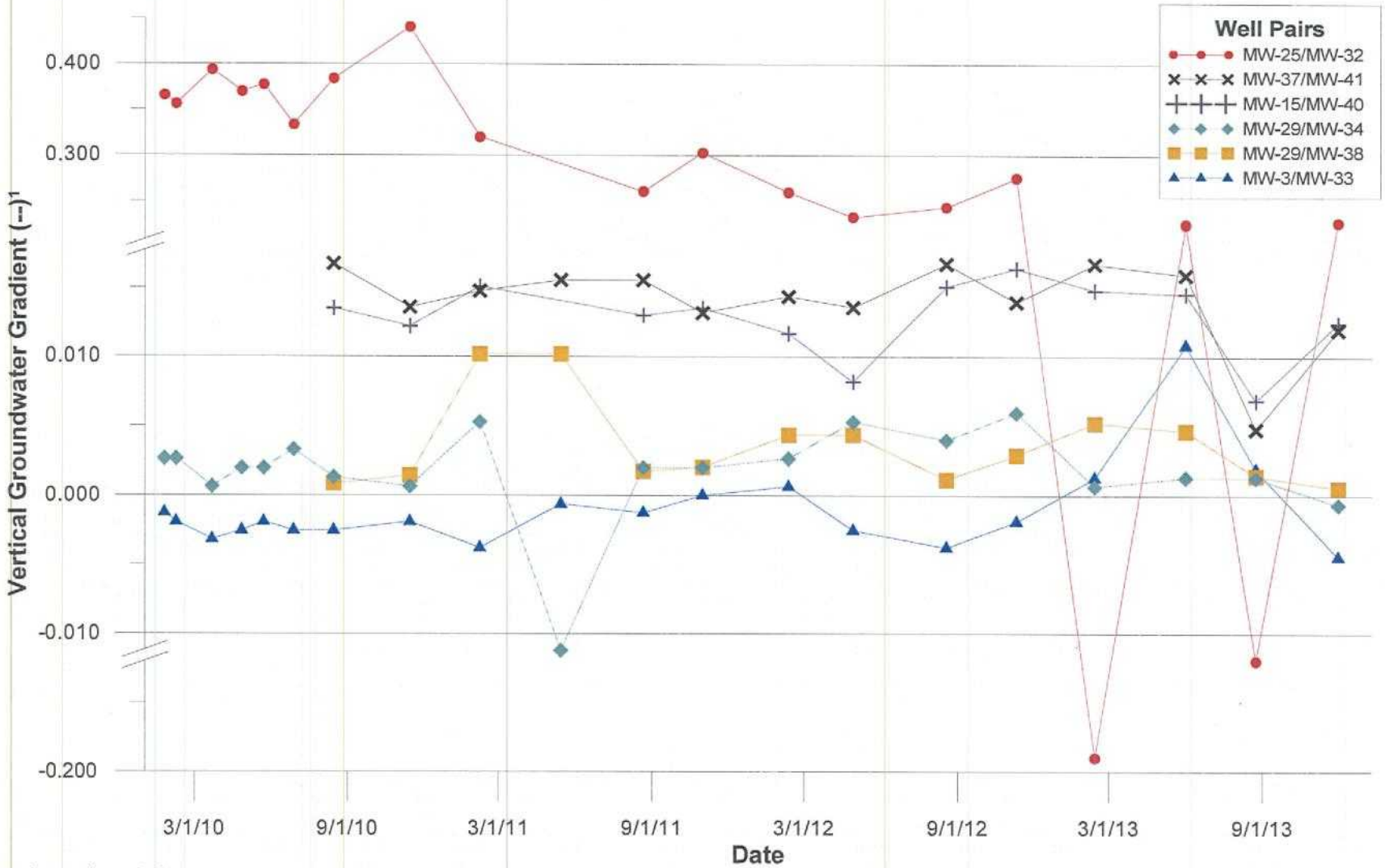
0 50 100
APPROXIMATE SCALE IN FEET

amec

FOURTH QUARTER 2013 (DECEMBER 2, 2013) GROUNDWATER DIFFERENTIAL CONTOUR MAP
Former J.H. Baxter and Co. Wood Treating Facility
Arlington, Washington

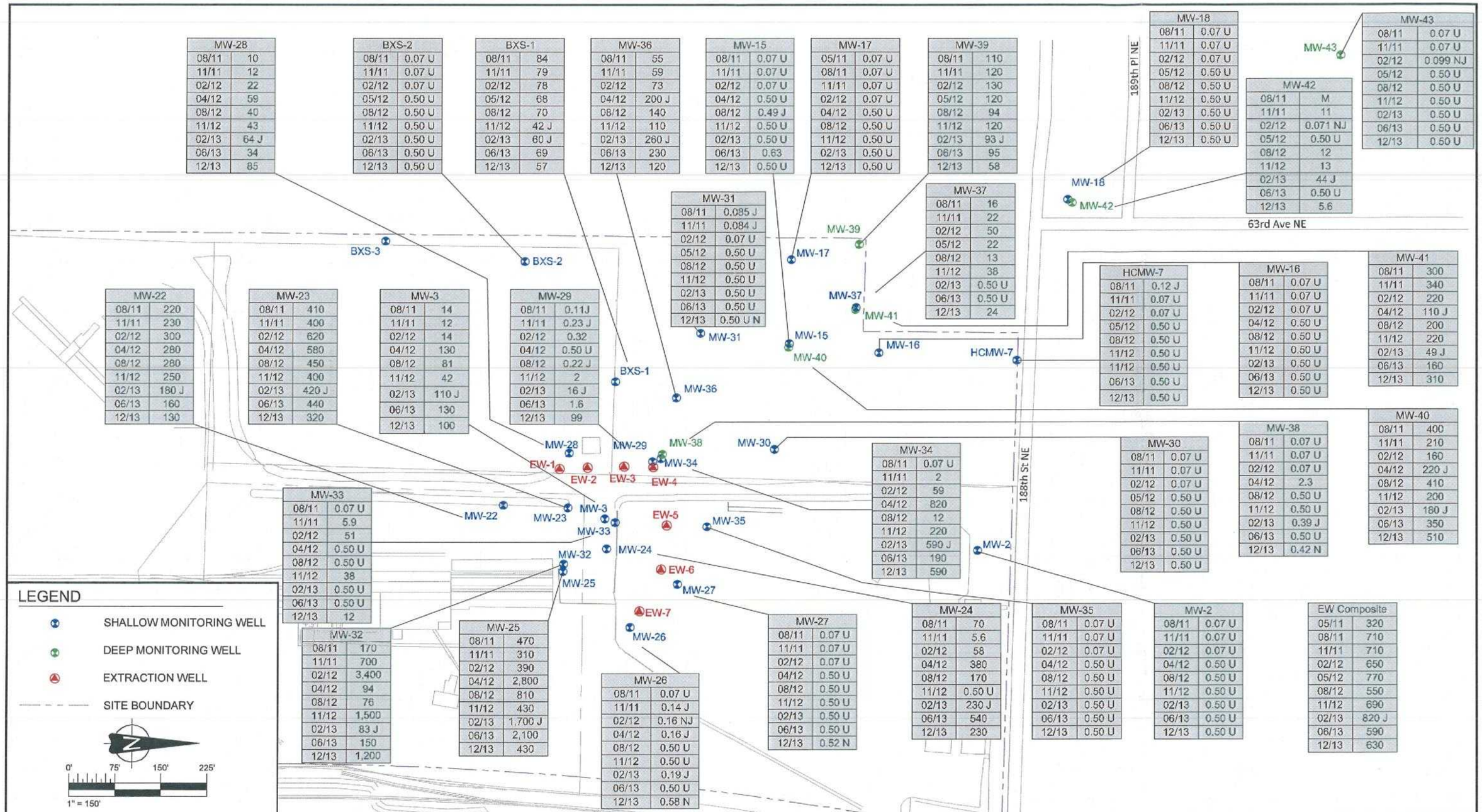
Prepared By: LCD	Project No. 12706
Date: 02/18/2014	Figure 5

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 02/13/14	Project No. 12706 Figure No. 6



NOTES:

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

CLIENT: J.H. BAXTER

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

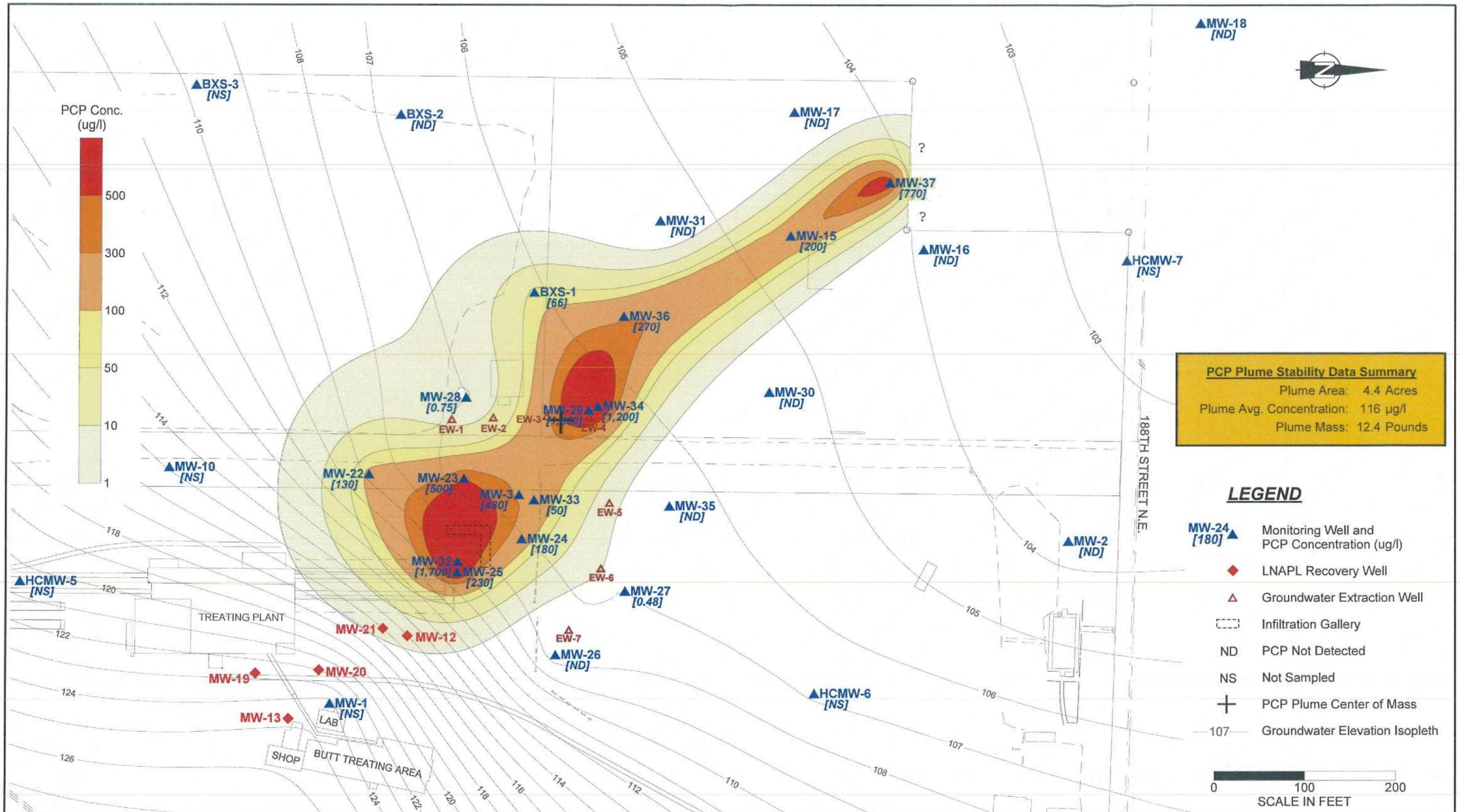
DWN BY: PM/SD
CHK'D BY: SB
DATUM: -
PROJECTION: -
SCALE: 1"=150'

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

TITLE: PENTACHLOROPHENOL IN GROUNDWATER
AUGUST 2011 - DECEMBER 2013

DATE: MARCH 2014
PROJECT NO.: 461M125612.01.4
REV. NO.: A
FIGURE NO.: 7

K:\12000\12500\12561\125612\DWG\4Q2013\Figure 7-29-36 - 4Q2013.dwg - -7 - Mar. 13, 2014 1:16pm - stephane.descombes



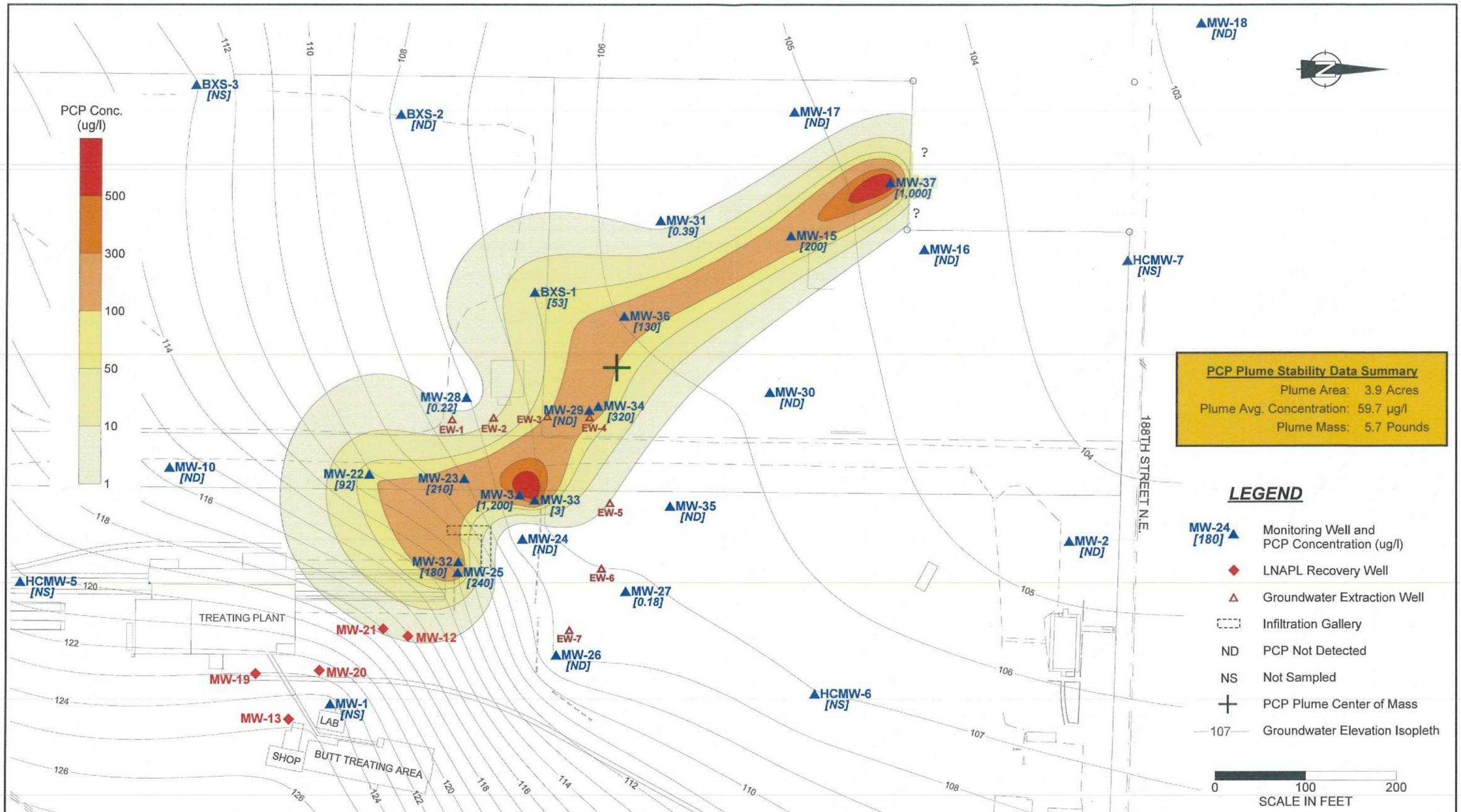
PREMIER ENVIRONMENTAL SERVICES, INC

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

Prepared By: JAR

Date: 03/13/14

Figure 8



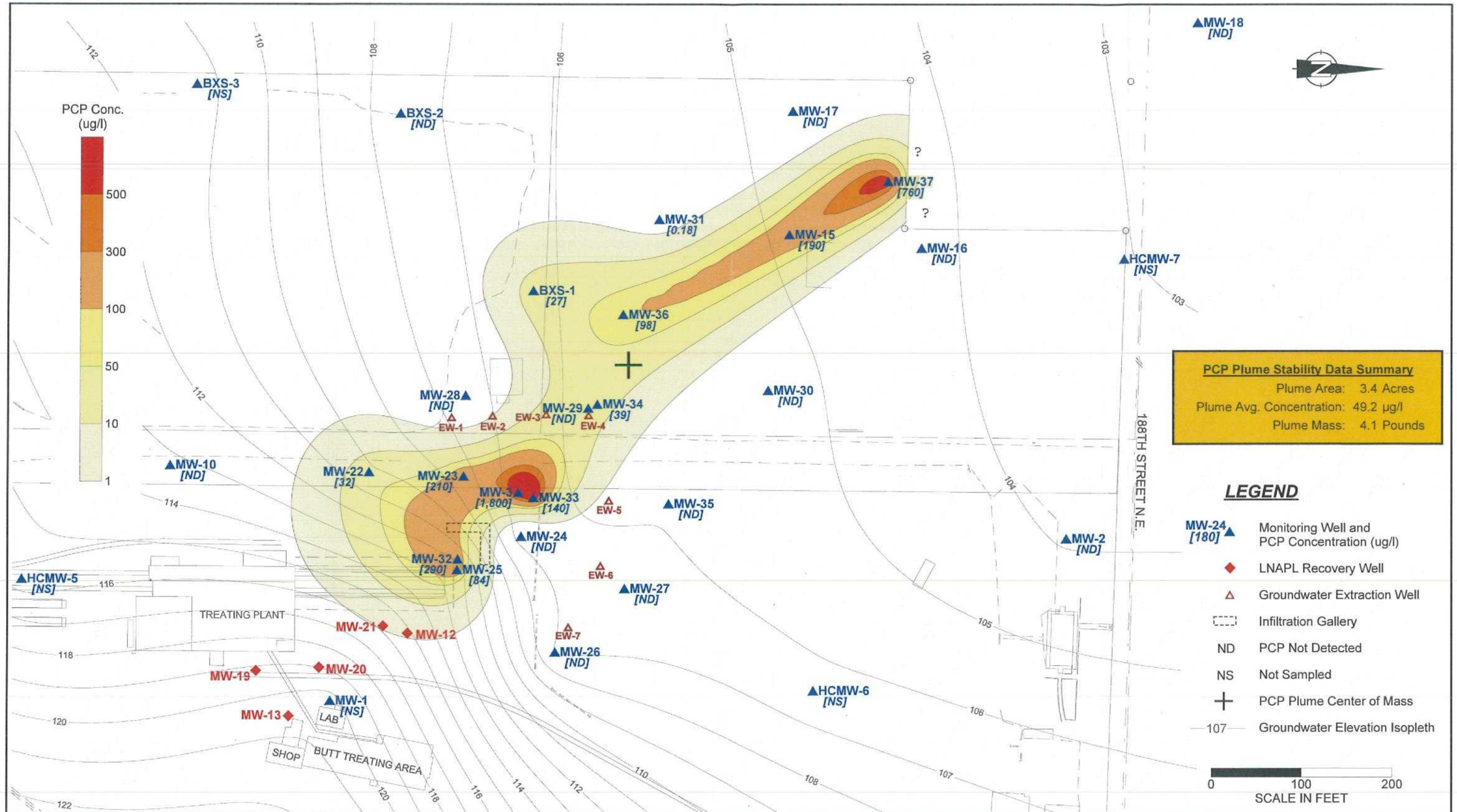
PREMIER ENVIRONMENTAL SERVICES, INC

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

Prepared By: JAR

Date: 03/13/14

Figure 9



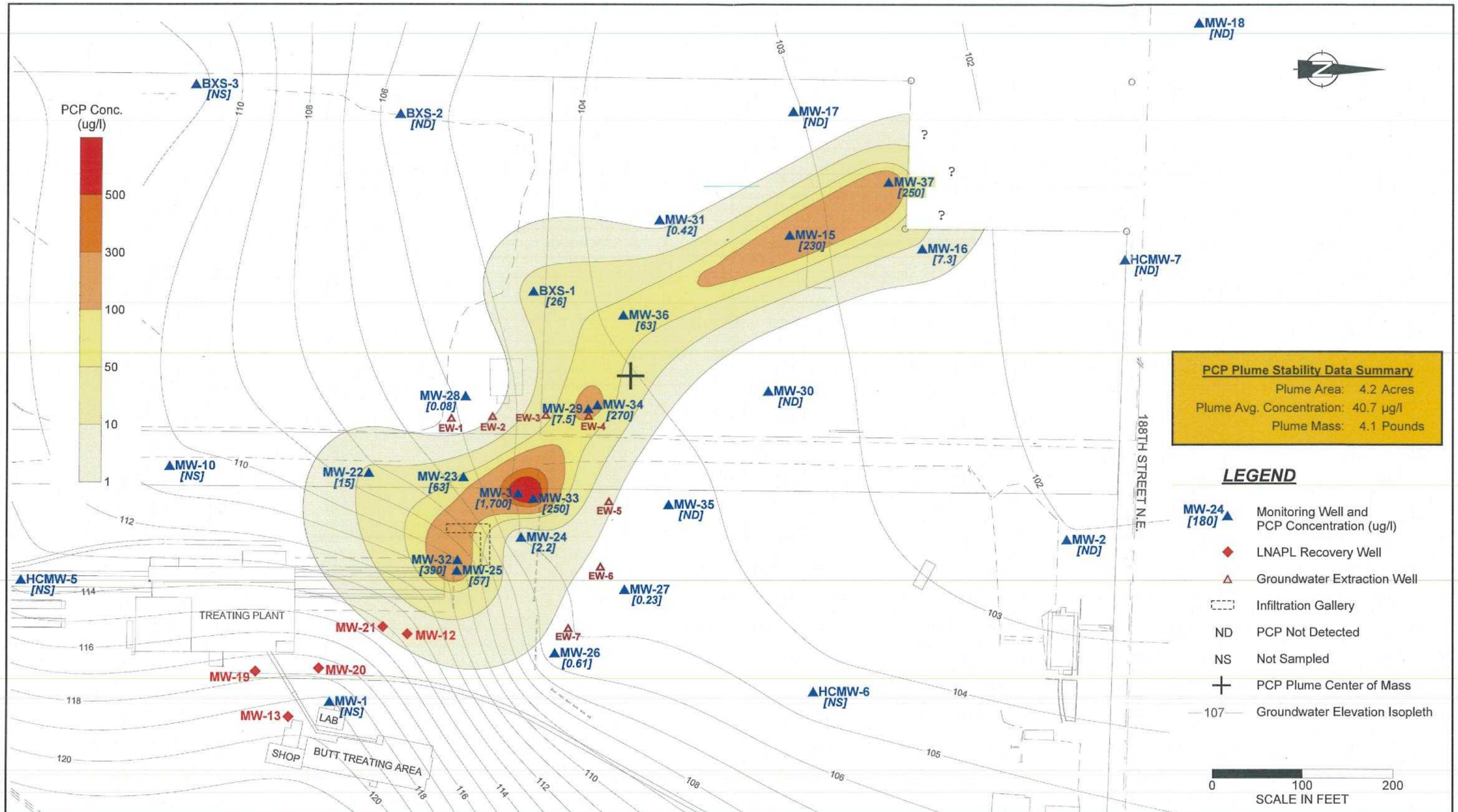
PREMIER ENVIRONMENTAL SERVICES, INC

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

Prepared By: JAR

Date: 03/13/14

Figure 10



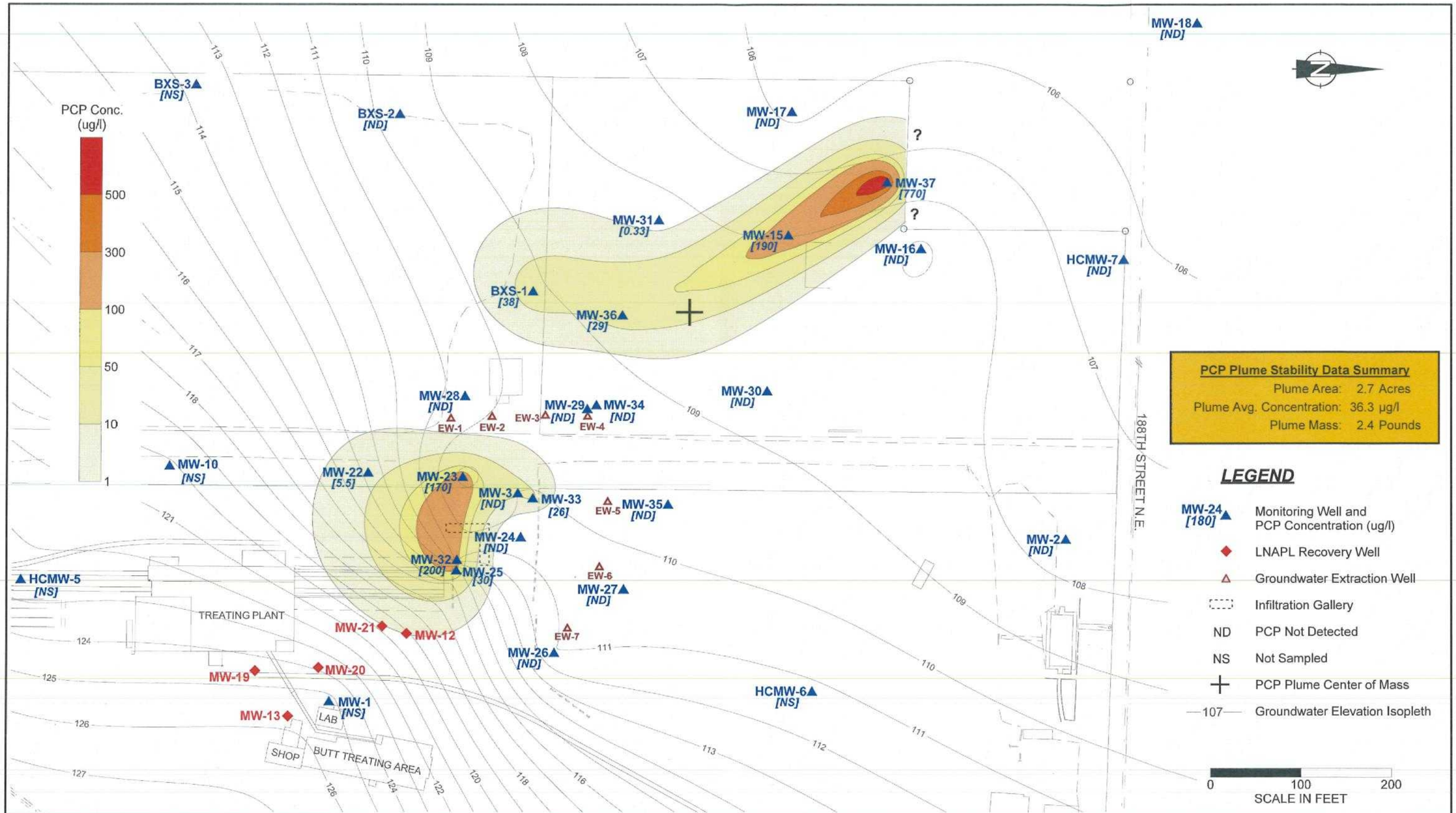
PREMIER ENVIRONMENTAL SERVICES, INC

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

Prepared By: JAR

Date: 03/13/14

Figure 11



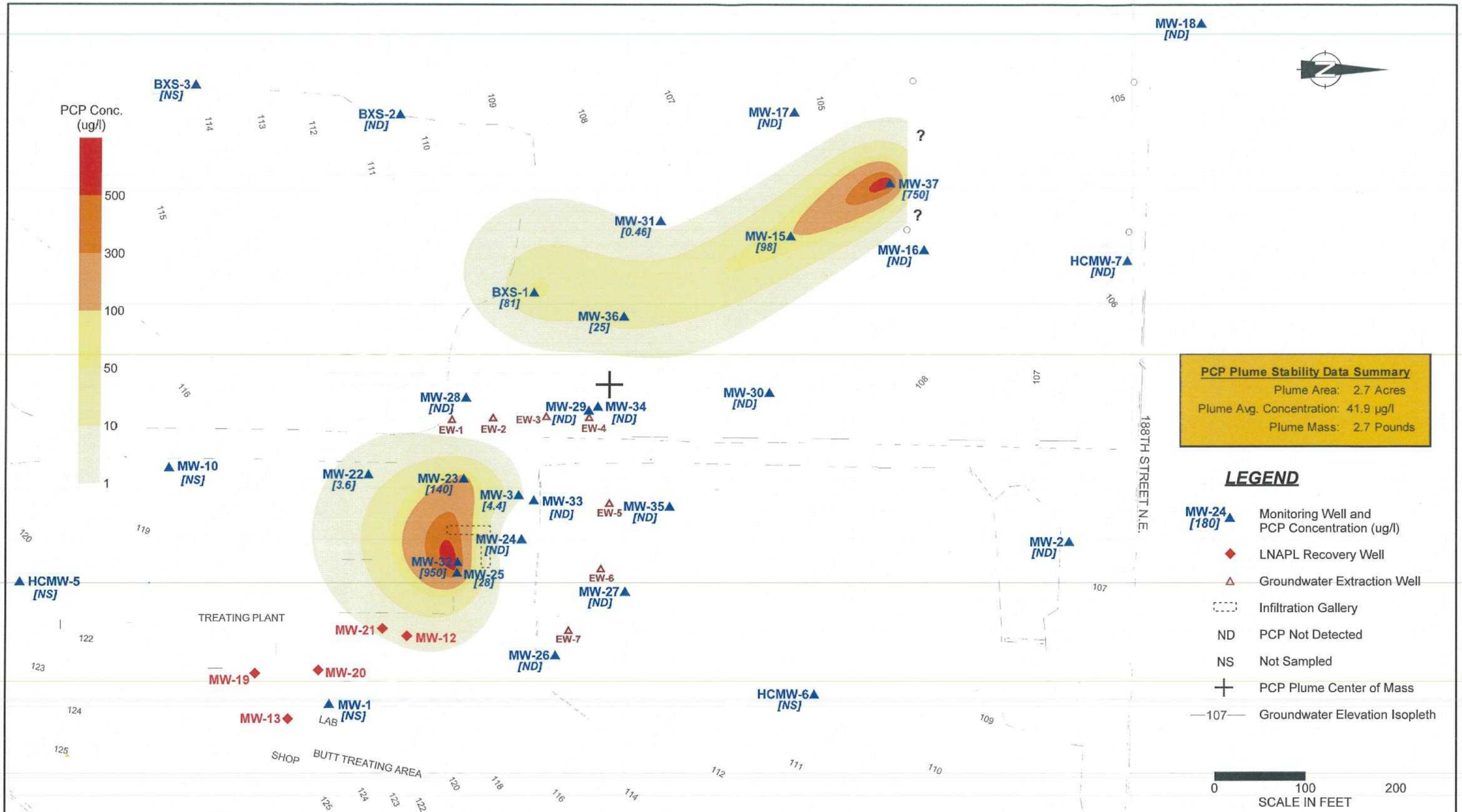
PREMIER ENVIRONMENTAL SERVICES, INC

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

Prepared By: JAR

Date: 03/13/14

Figure 12



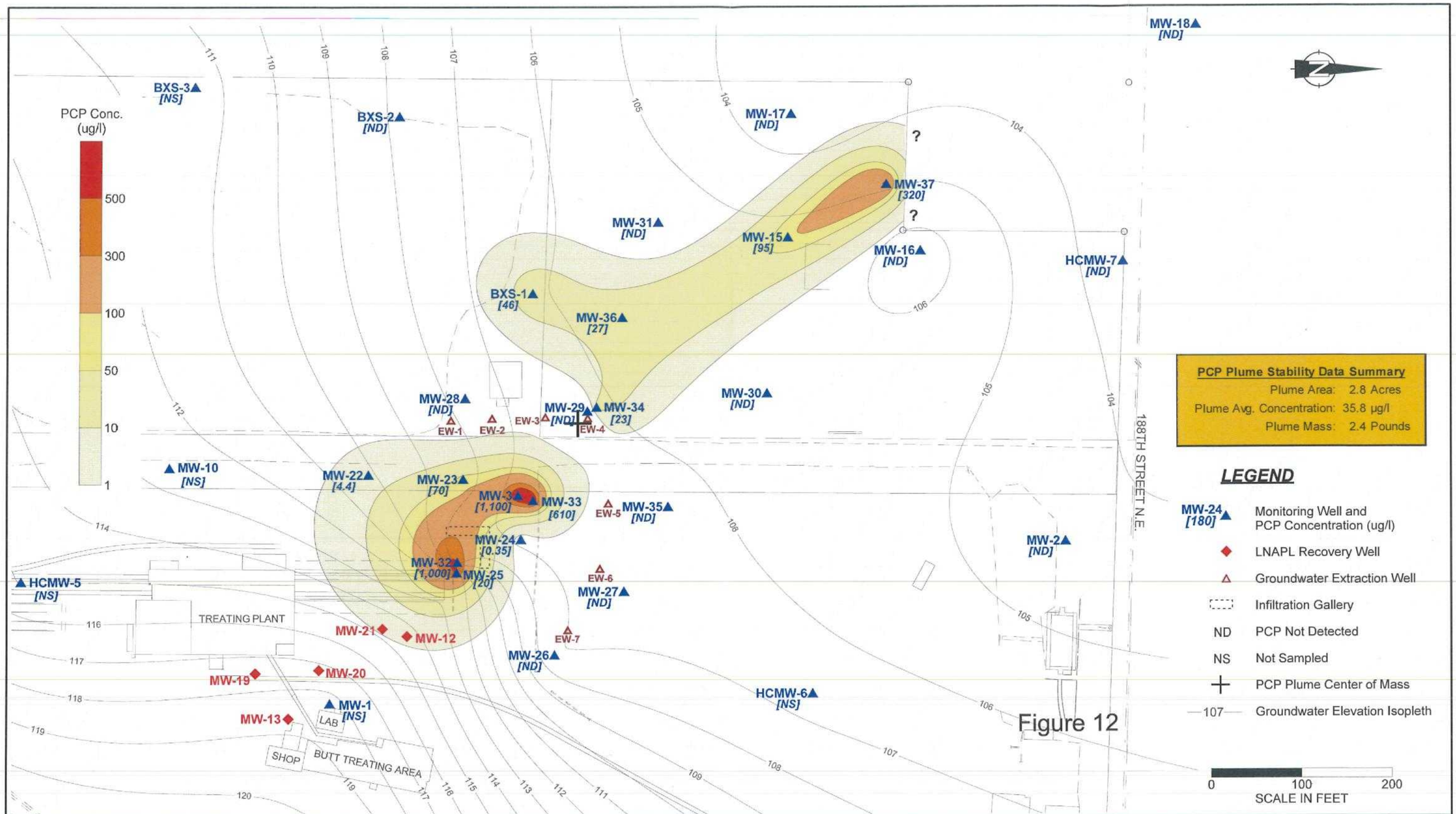
PREMIER ENVIRONMENTAL SERVICES, INC

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

Prepared By: JAR

Date: 03/13/14

Figure 13



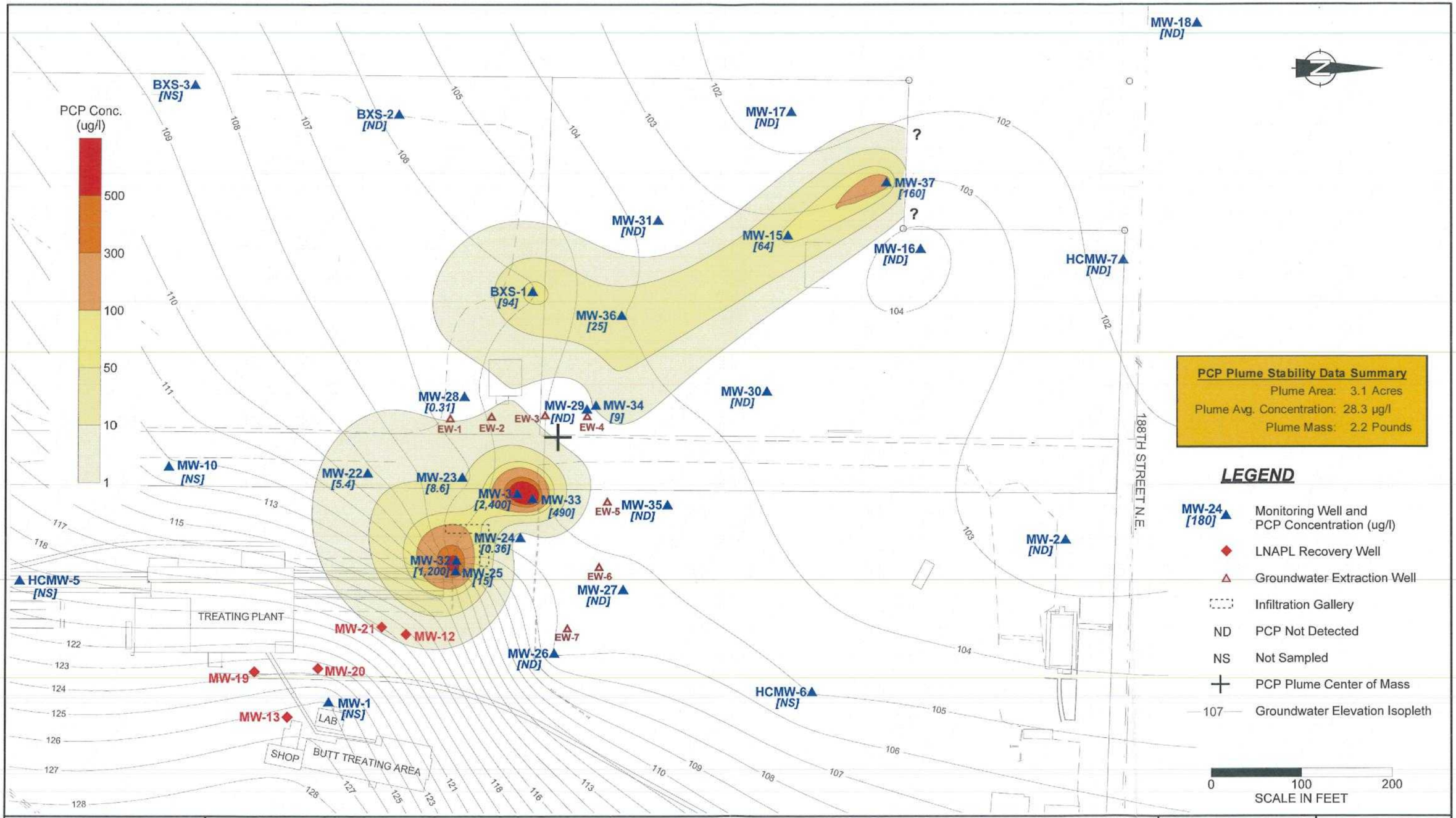
PREMIER ENVIRONMENTAL SERVICES, INC

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

Prepared By: JAR

Date: 03/13/14

Figure 14



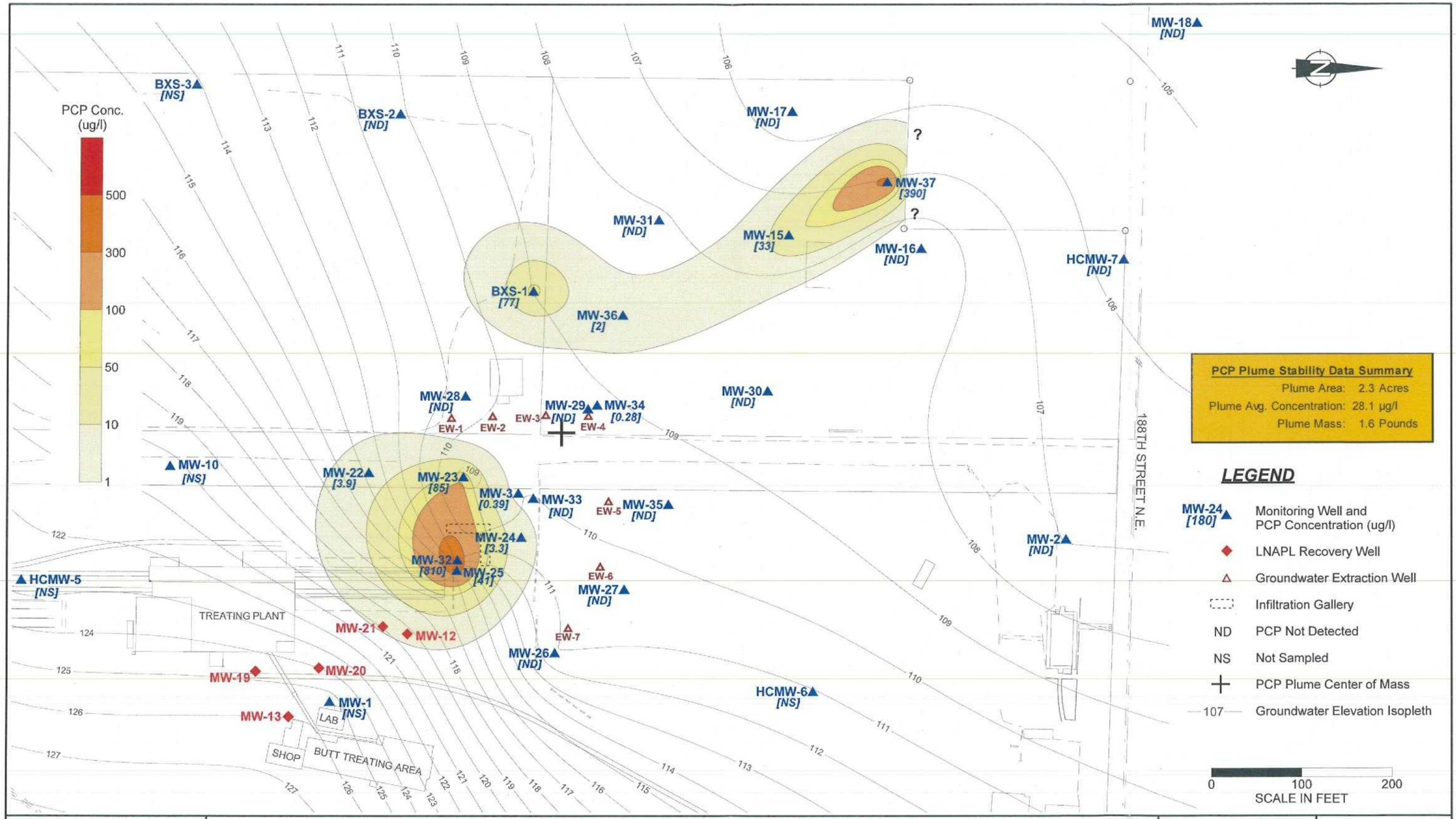
PREMIER ENVIRONMENTAL SERVICES, INC

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

Prepared By: JAR

Date: 03/13/14

Figure 15



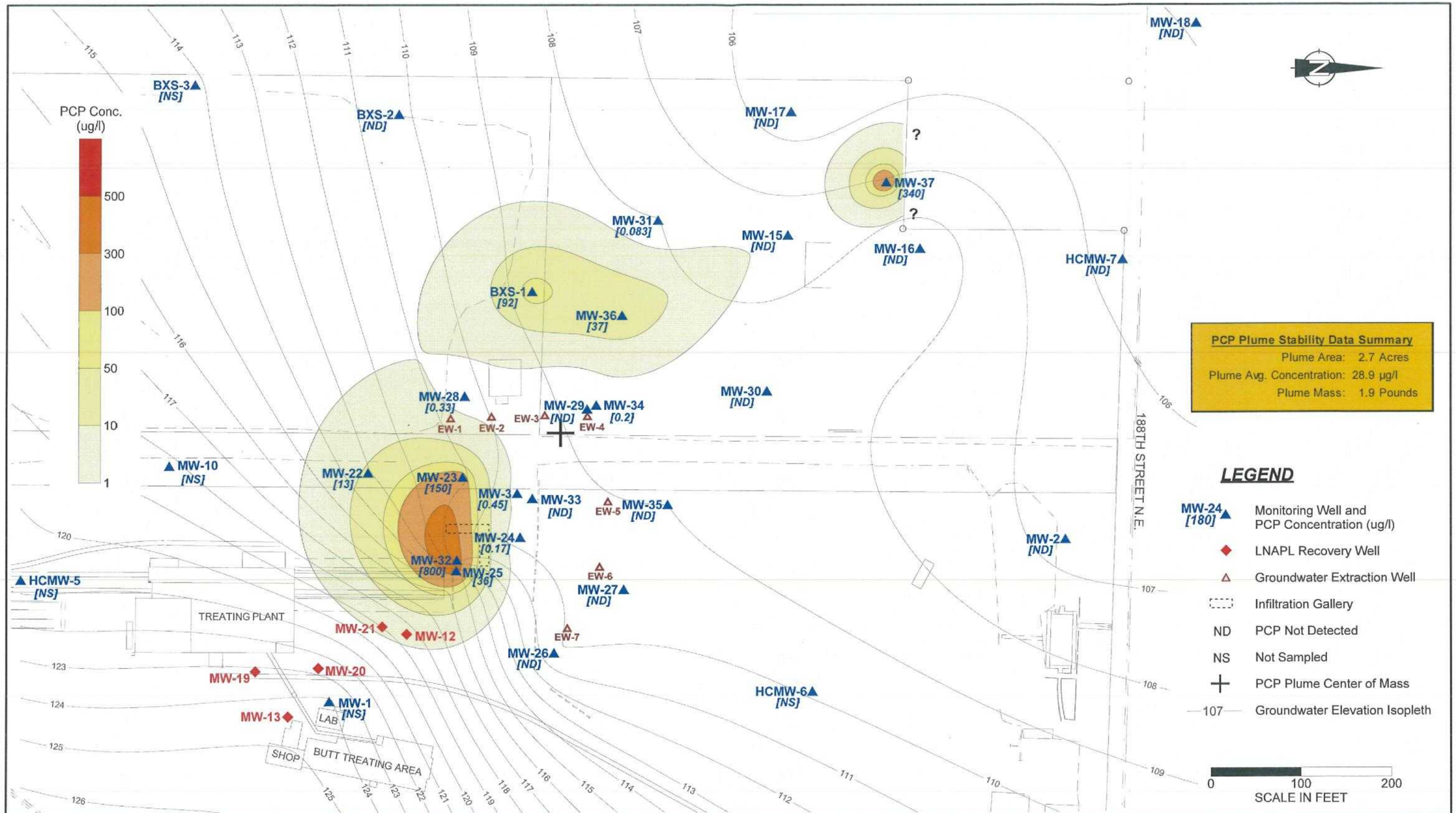
PREMIER ENVIRONMENTAL SERVICES, INC

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

Prepared By: JAR

Date: 03/13/14

Figure 16



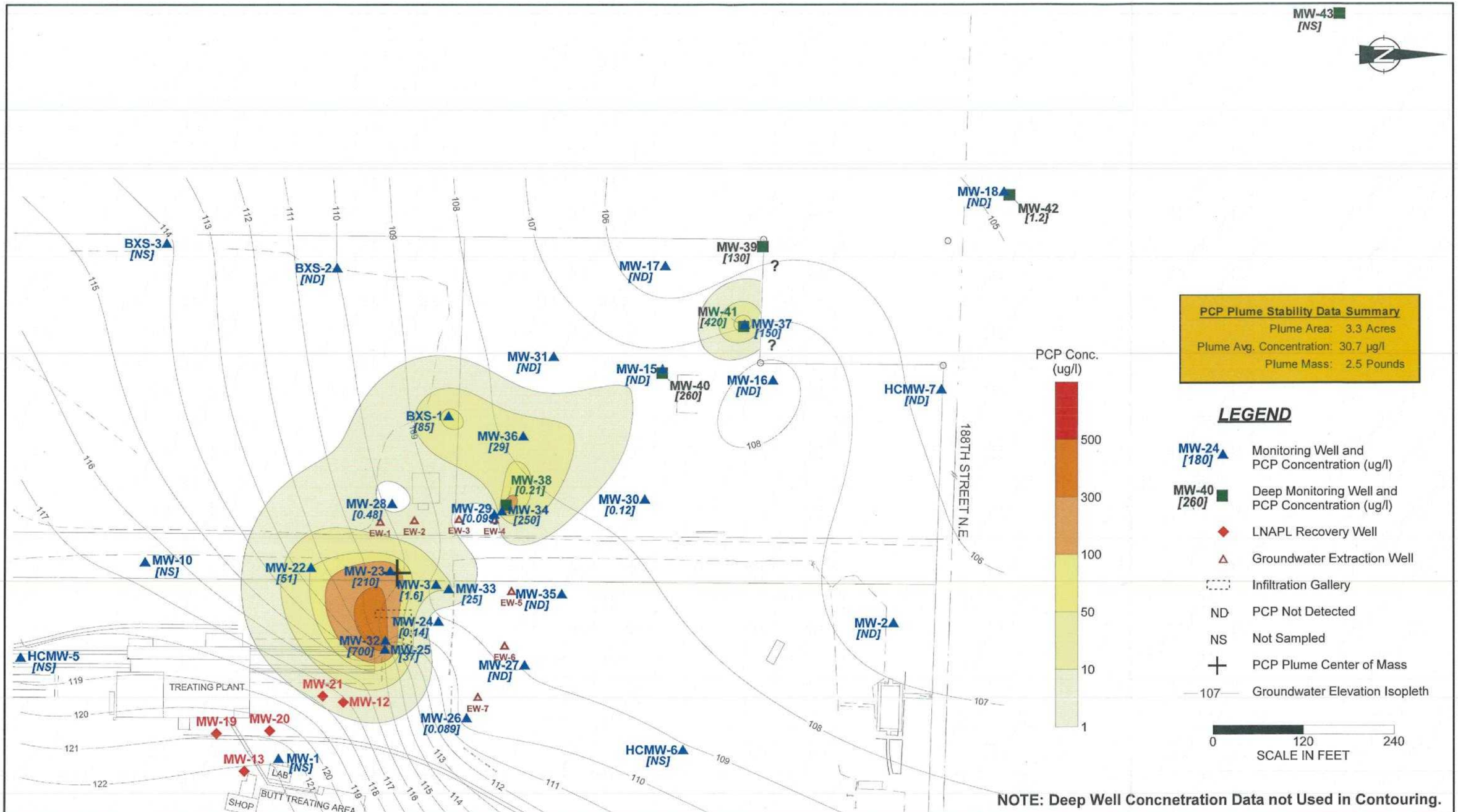
PREMIER ENVIRONMENTAL SERVICES, INC

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

Prepared By: JAR

Date: 03/13/14

Figure 17



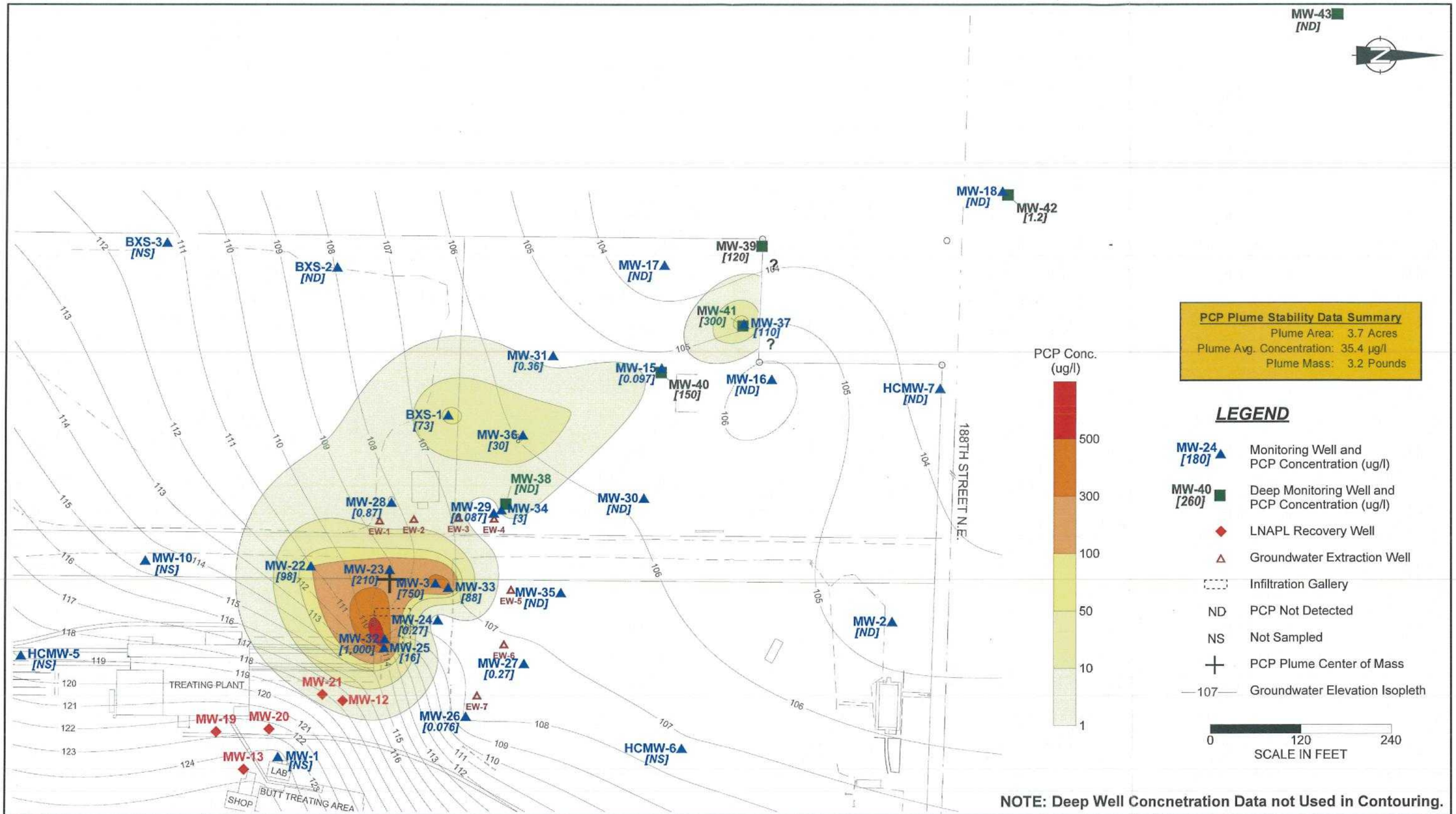
PREMIER ENVIRONMENTAL SERVICES, INC

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

Prepared By: JAR

Date: 03/13/14

Figure 18



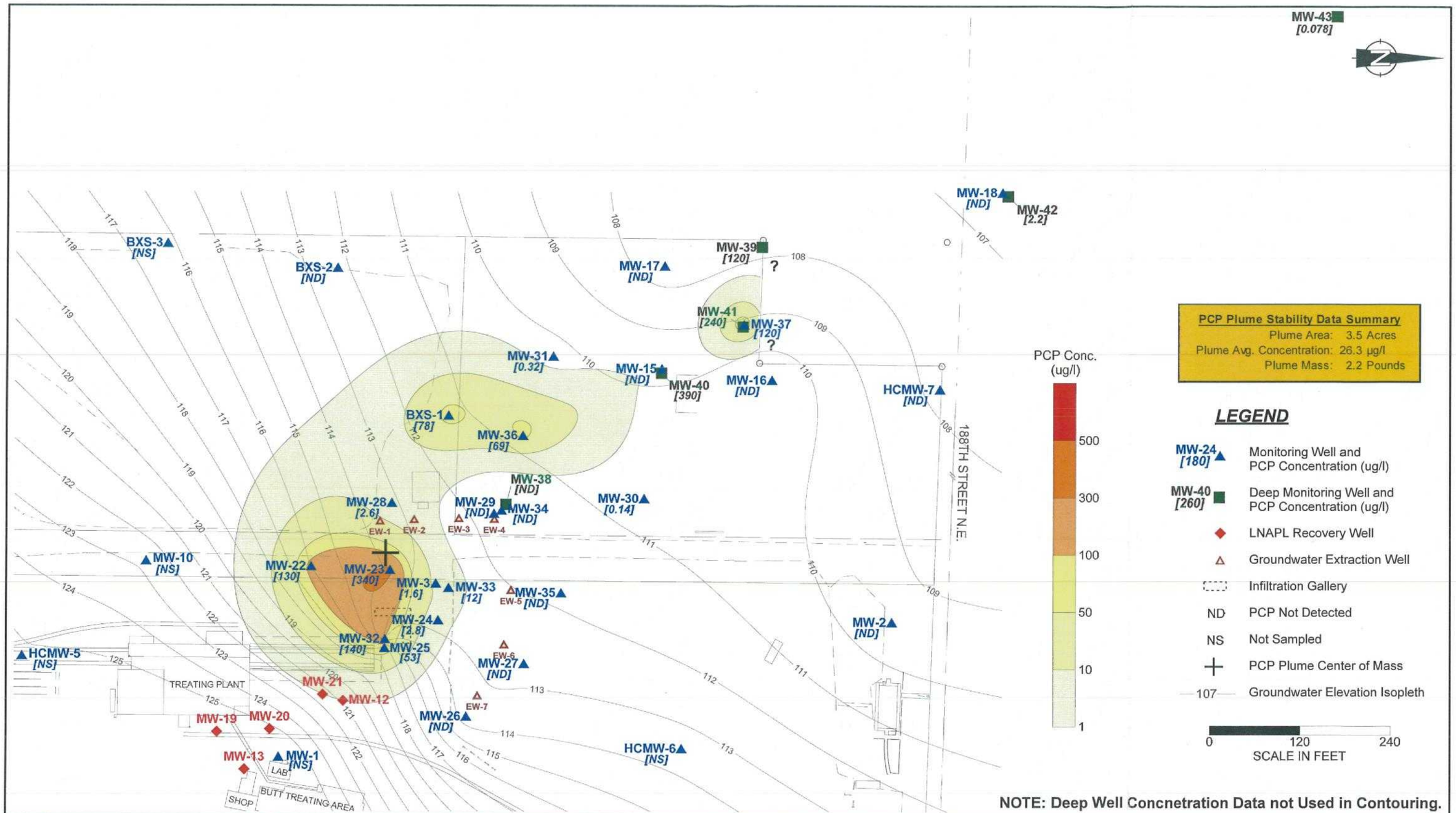
PREMIER ENVIRONMENTAL SERVICES, INC

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

Prepared By: JAR

Date: 03/13/14

Figure 19



NOTE: Deep Well Concnetration Data not Used in Contouring.

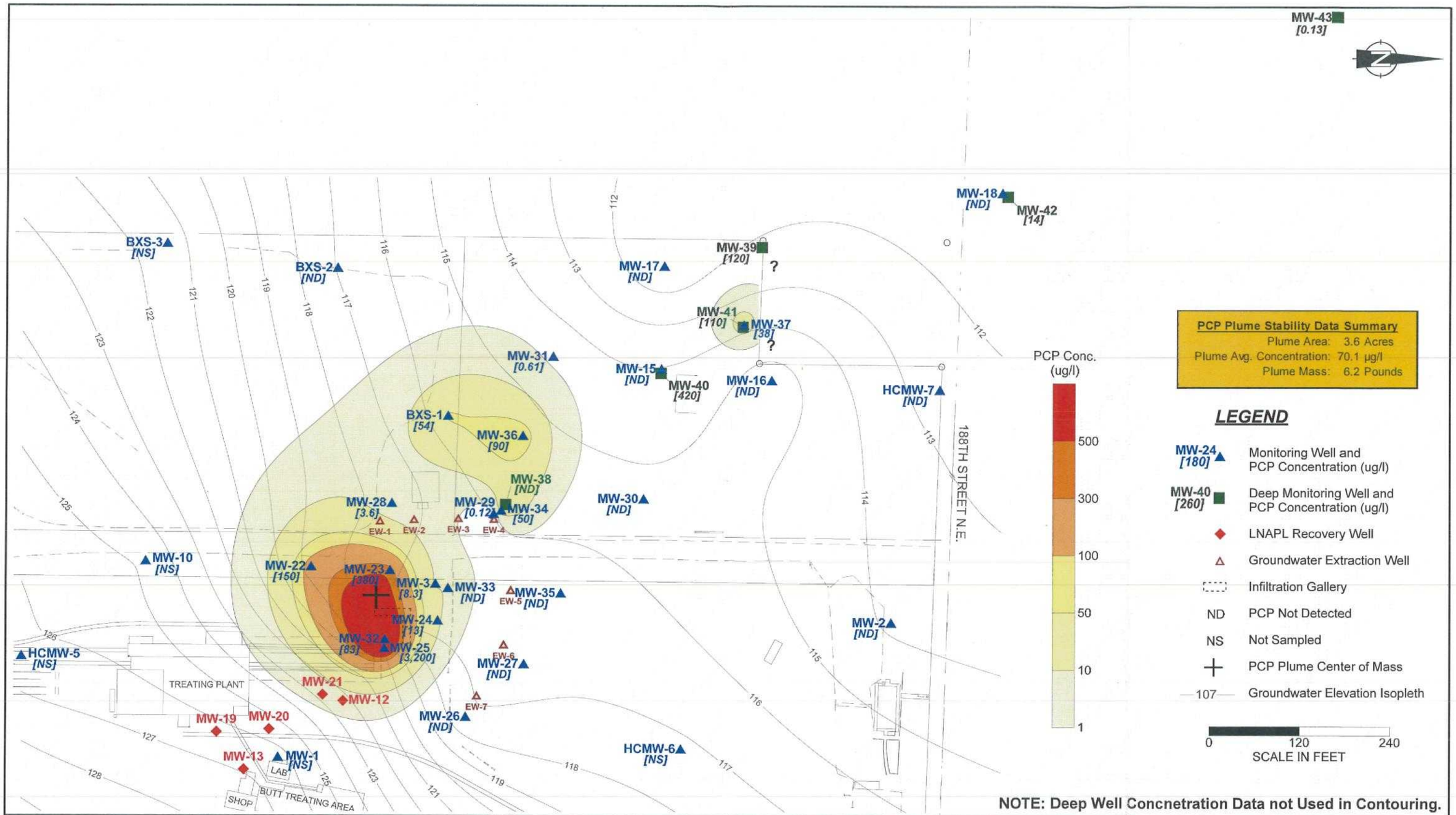
PREMIER ENVIRONMENTAL SERVICES, INC

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

Prepared By: JAR

Date: 03/13/14

Figure 20



NOTE: Deep Well Concnetration Data not Used in Contouring.

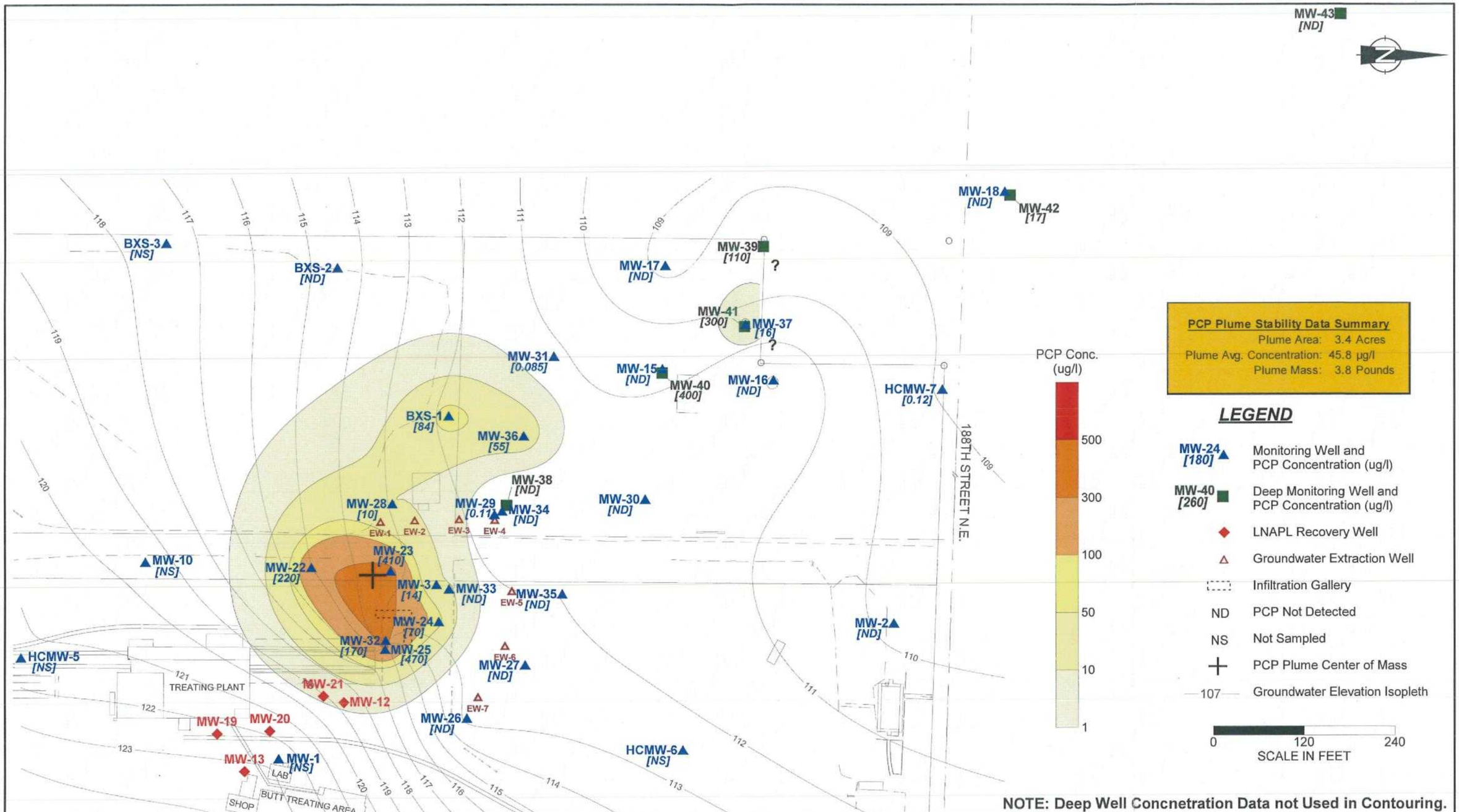
EARTHCON
Environmental Challenges
BUSINESS SOLUTIONS

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

Prepared By: JAR

Date: 03/13/14

Figure 21



NOTE: Deep Well Concnetration Data not Used in Contouring.

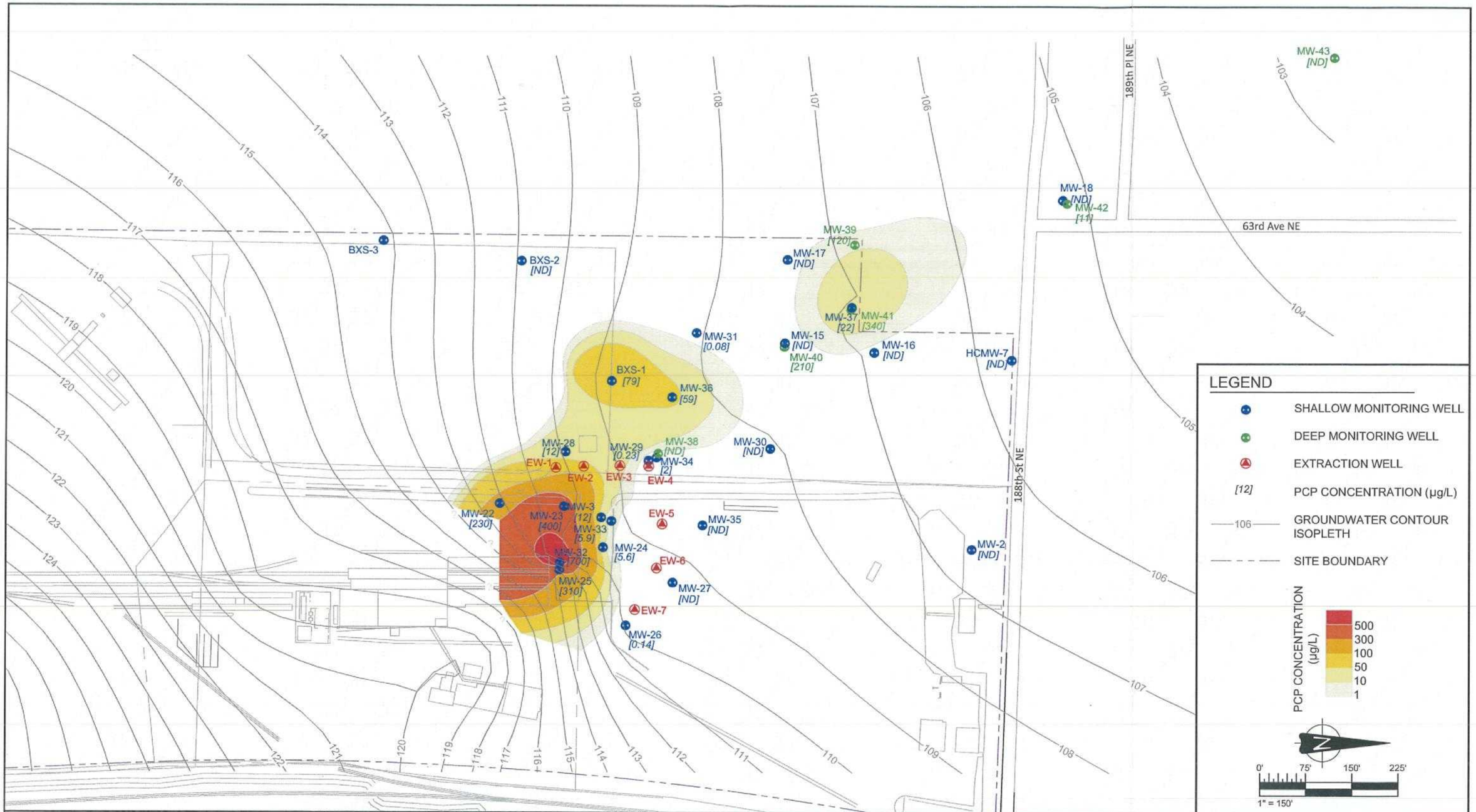
EARTHCON
Environmental Challenges
BUSINESS SOLUTIONS

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

Prepared By: KMG

Date: 03/13/14

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

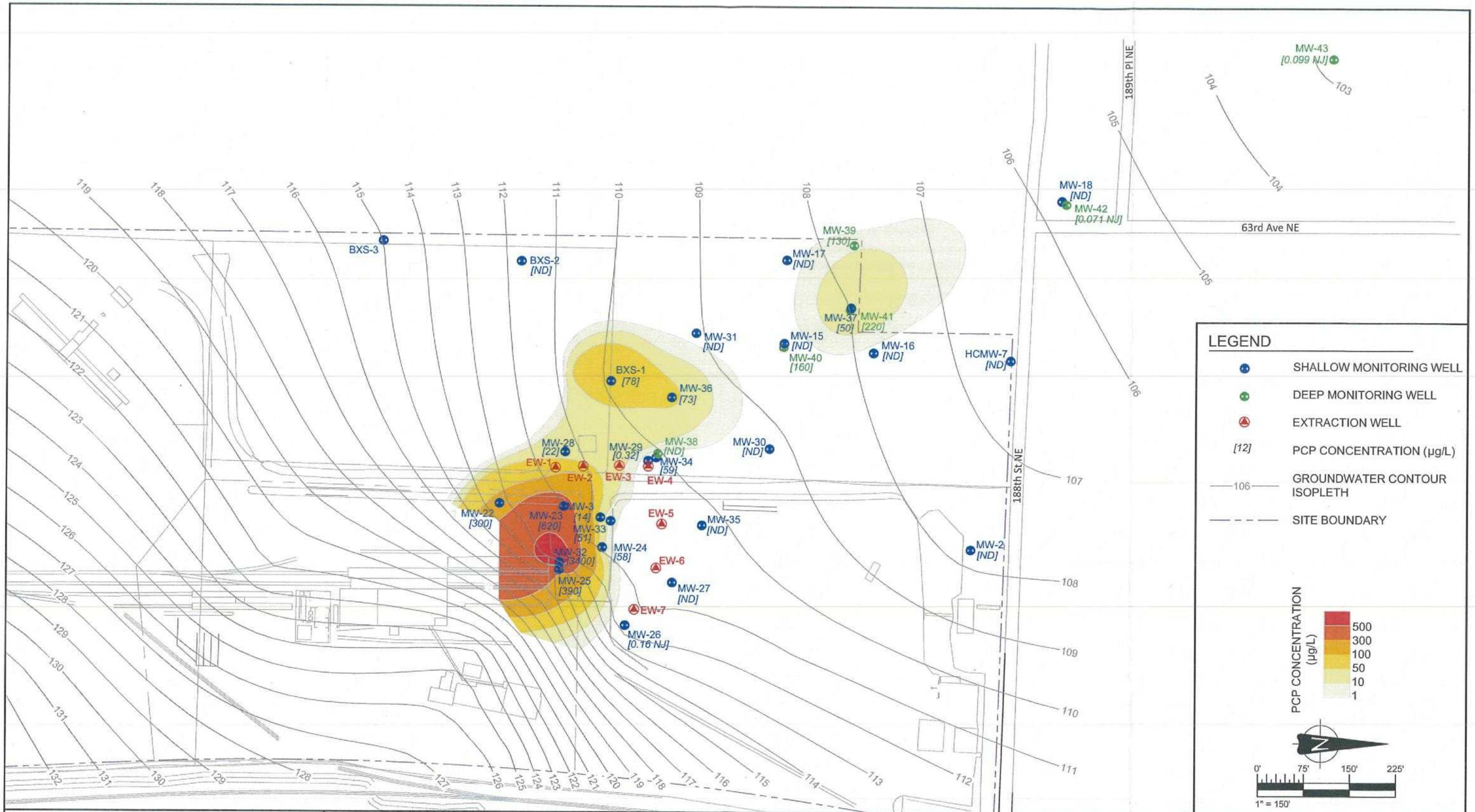
DWN BY:	PM/SD
CHK'D BY:	SB
DATUM:	-
PROJECTION:	-
SCALE:	1"=150'

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

TITLE: PENTACHLOROPHENOL ISOPLETH MAP NOVEMBER 2011

DATE:	MARCH 2014
PROJECT NO.:	461M125612.01.4
REV. NO.:	A
FIGURE NO.:	23

K:\12000\12500\12561\125612\DWG\4Q2013\Figure 23 – Penta Isopleth Map – November 2011 – 4Q2013.dwg – –23 – Mar. 07, 2014 11:43am – 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

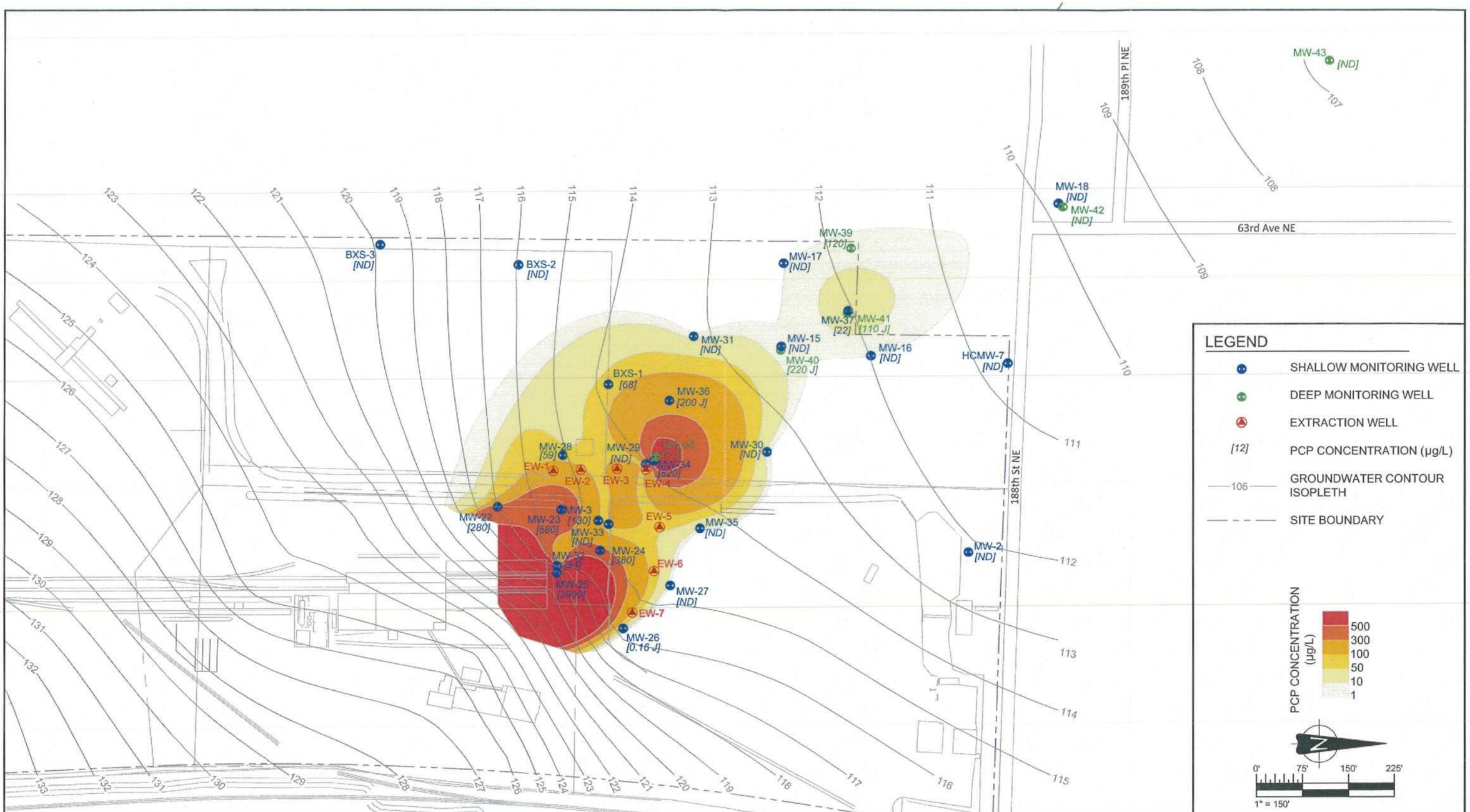
DWN BY:	PM/SD
CHK'D BY:	SB
DATUM:	-
PROJECTION:	-
SCALE:	1"=150'

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

TITLE: PENTACHLOROPHENOL ISOPLETH MAP
FEBRUARY 2012

DATE:	MARCH 2014
PROJECT NO.:	461M125612.01.4
REV. NO.:	A
FIGURE NO.:	24

K:\12000\12500\12561\125612\DWG\4Q2013\Figure 24 – Penta Isopleth Map – February 2012 – 4Q2013.dwg – –24 – Mar. 07, 2014 11:48am – 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

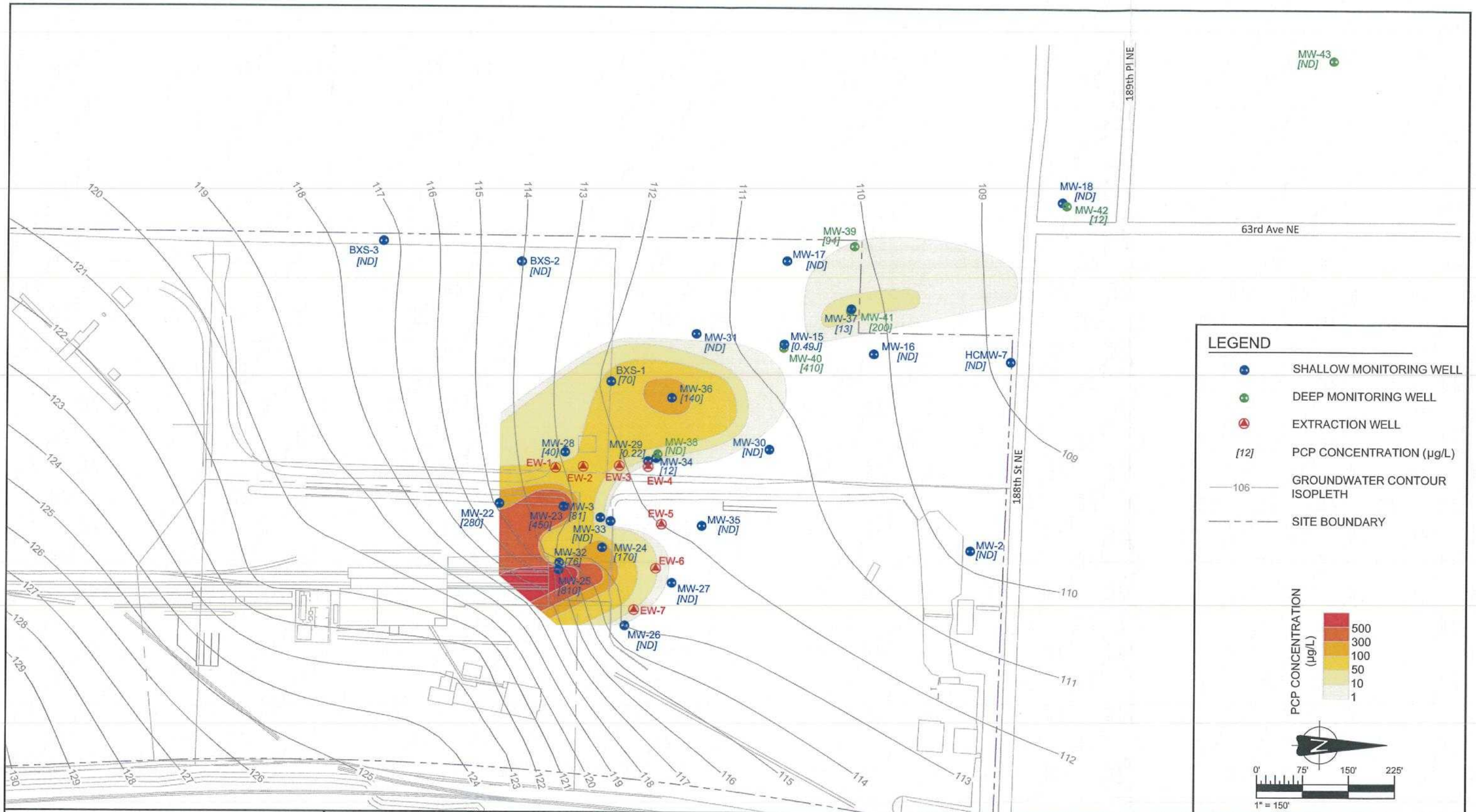
DWN BY:	PM/SD
CHK'D BY:	SB
DATUM:	-
PROJECTION:	-
SCALE:	1"=150'

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

TITLE: PENTACHLOROPHENOL ISOPLETH MAP
MAY 2012

DATE:	MARCH 2014
PROJECT NO.:	461M125612.01.4
REV. NO.:	A
FIGURE NO.:	25

K:\12000\12500\12561\125612\DWG\4Q2013\Figure 25-26-27 – 4Q2013.dwg – -25 – Mar. 07, 2014 11:49am – 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

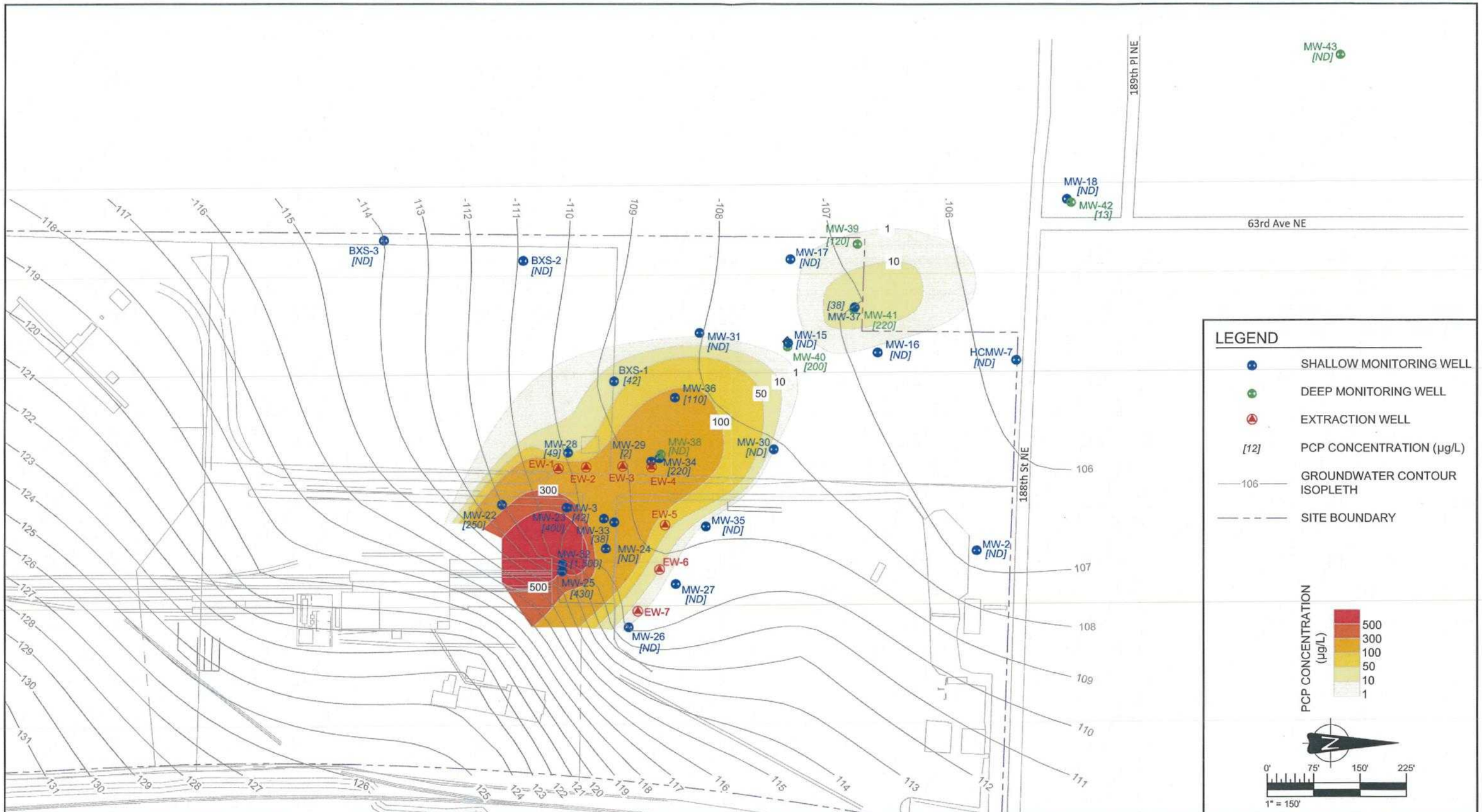
DWN BY:	PM/SD
CHK'D BY:	SB
DATUM:	-
PROJECTION:	-
SCALE:	1"=150'

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

TITLE: PENTACHLOROPHENOL ISOPLETH MAP
AUGUST 2012

DATE:	MARCH 2014
PROJECT NO.:	461M125612.01.4
REV. NO.:	A
FIGURE NO.:	26

K:\12000\12500\12561\125612\DWG\4Q2013\Figure 25-26-27 - 4Q2013.dwg - -26 - Mar. 07, 2014 11:51am - 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

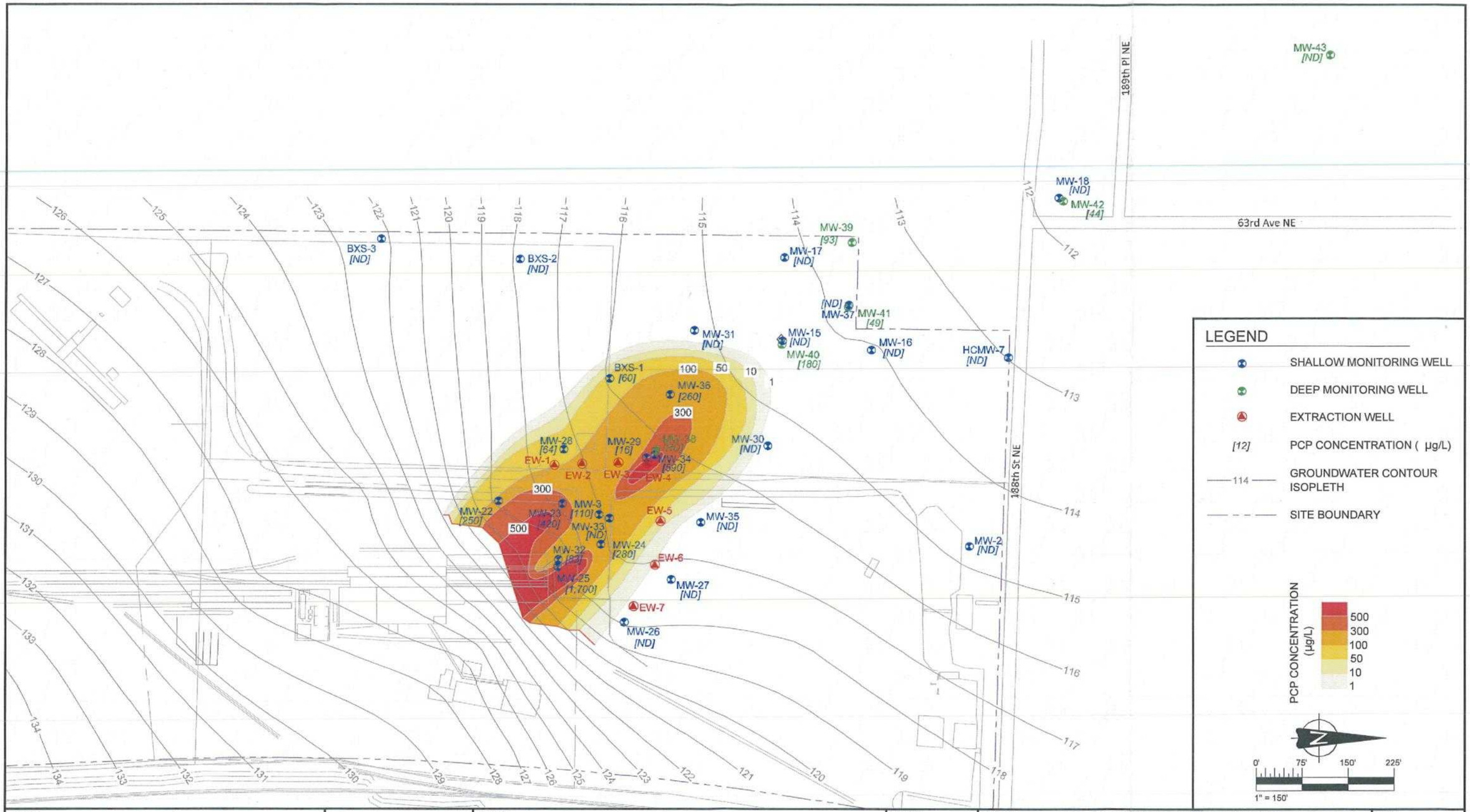
DWN BY:	PM/SD
CHK'D BY:	SB
DATUM:	-
PROJECTION:	-
SCALE:	1"=150'

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

TITLE: PENTACHLOROPHENOL ISOPLETH MAP
NOVEMBER 2012

DATE:	MARCH 2014
PROJECT NO.:	461M125612.01.4
REV. NO.:	A
FIGURE NO.:	27

K:\12000\12500\12561\125612\DWG\4Q2013\Figure 25-26-27 - 4Q2013.dwg - -27 - Mar. 07, 2014 11:52am - 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

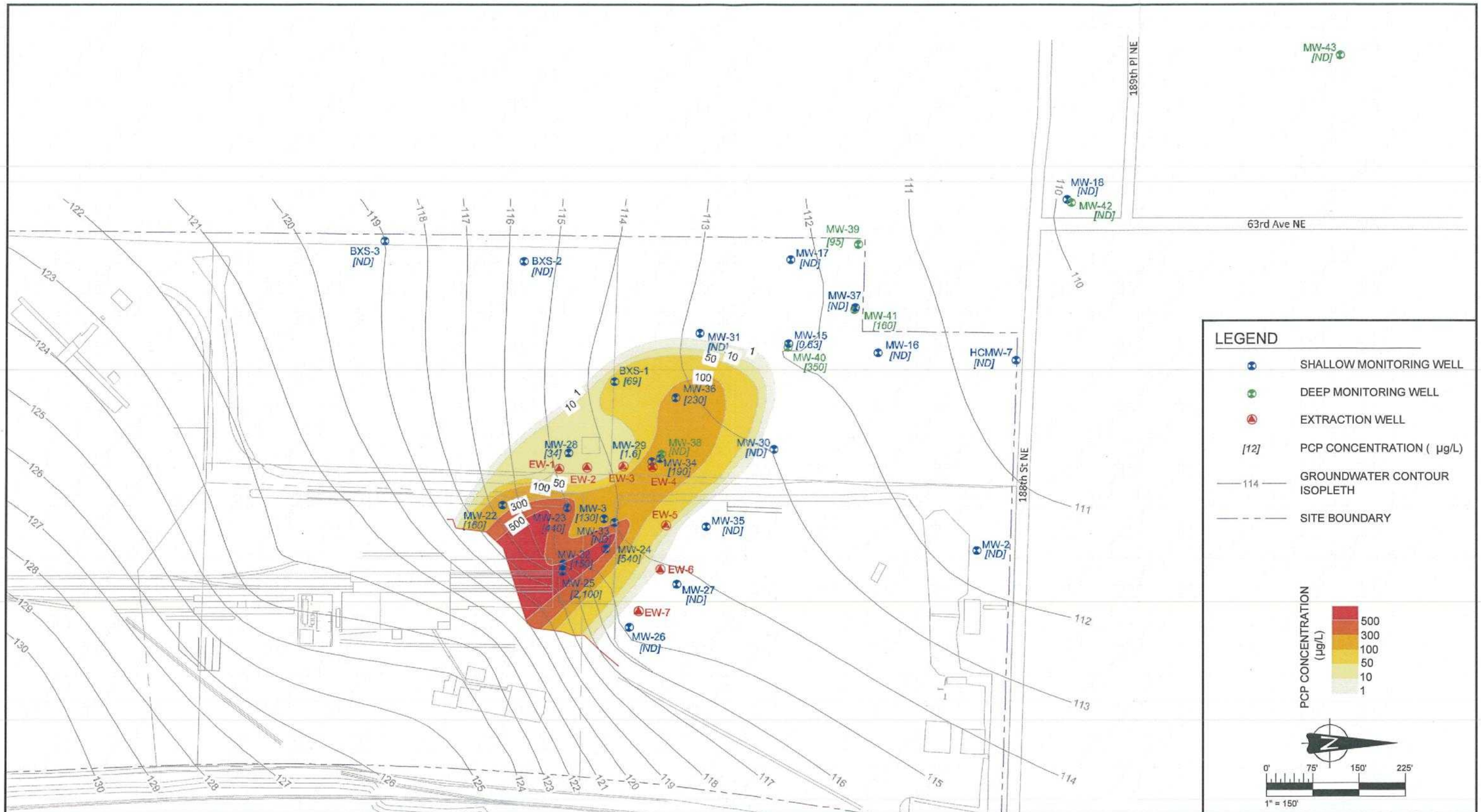
DWN BY:	PM/SD
CHK'D BY:	SB
DATUM:	-
PROJECTION:	-
SCALE:	1"=150'

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

TITLE: PENTACHLOROPHENOL ISOPLETH MAP
FEBRUARY 2013

DATE:	MARCH 2014
PROJECT NO.:	461M125612.01.4
REV. NO.:	A
FIGURE NO.:	28

K:\12000\12500\12561\125612\DWG\4Q2013\Figure 28 - Penta Isopleth Map - February 2013 - 4Q2013.dwg - -28 - Mar. 07, 2014 11:55am - 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

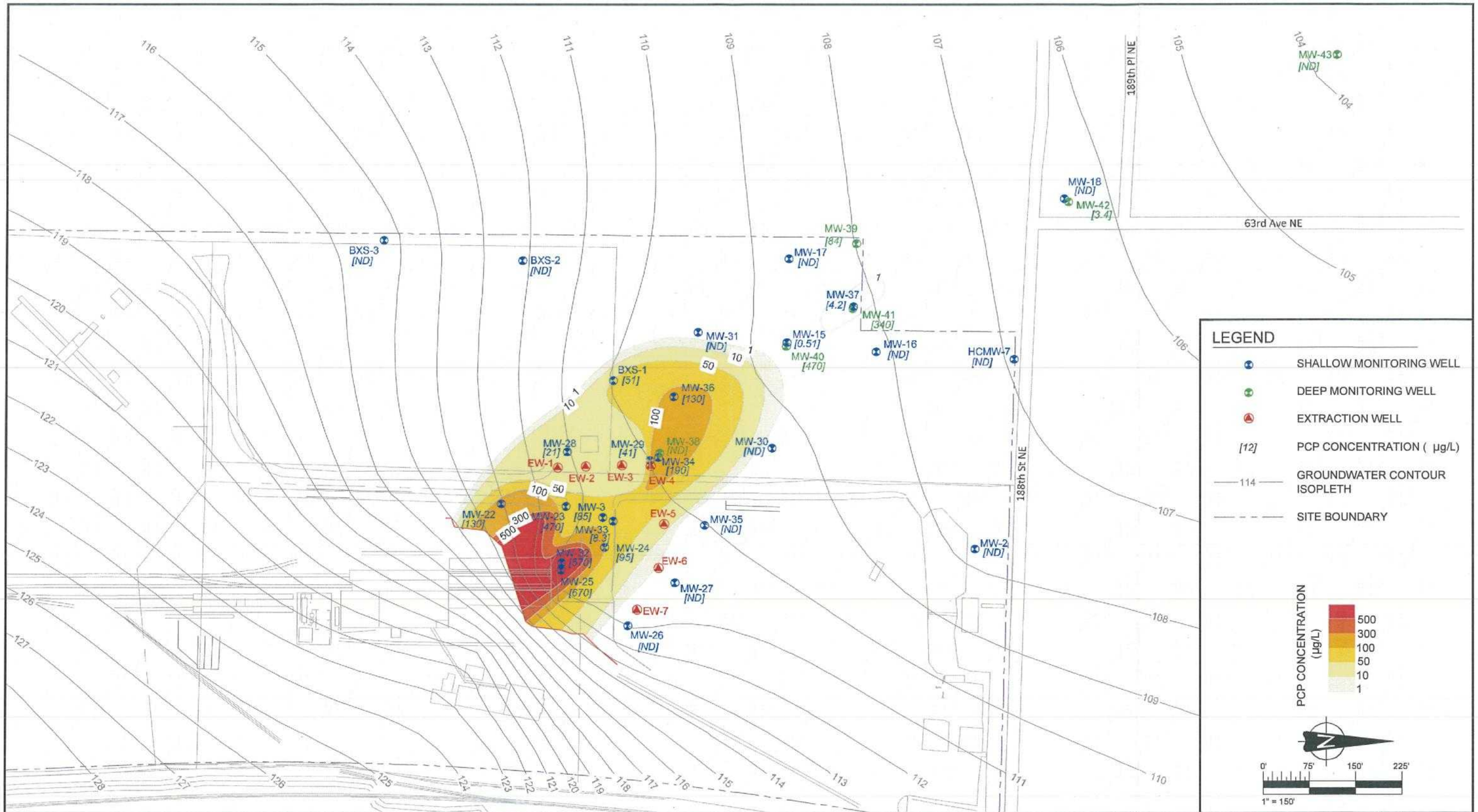
DWN BY:	PM/SD
CHK'D BY:	SB
DATUM:	-
PROJECTION:	-
SCALE:	1"=150'

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

TITLE: PENTACHLOROPHENOL ISOPLETH MAP
JUNE 2013

DATE:	MARCH 2014
PROJECT NO.:	461M125612.01.4
REV. NO.:	A
FIGURE NO.:	29

K:\12000\12500\12561\125612\DWG\4Q2013\Figure 7-29-36 - 4Q2013.dwg - -29 - Mar. 07, 2014 1:36pm - 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

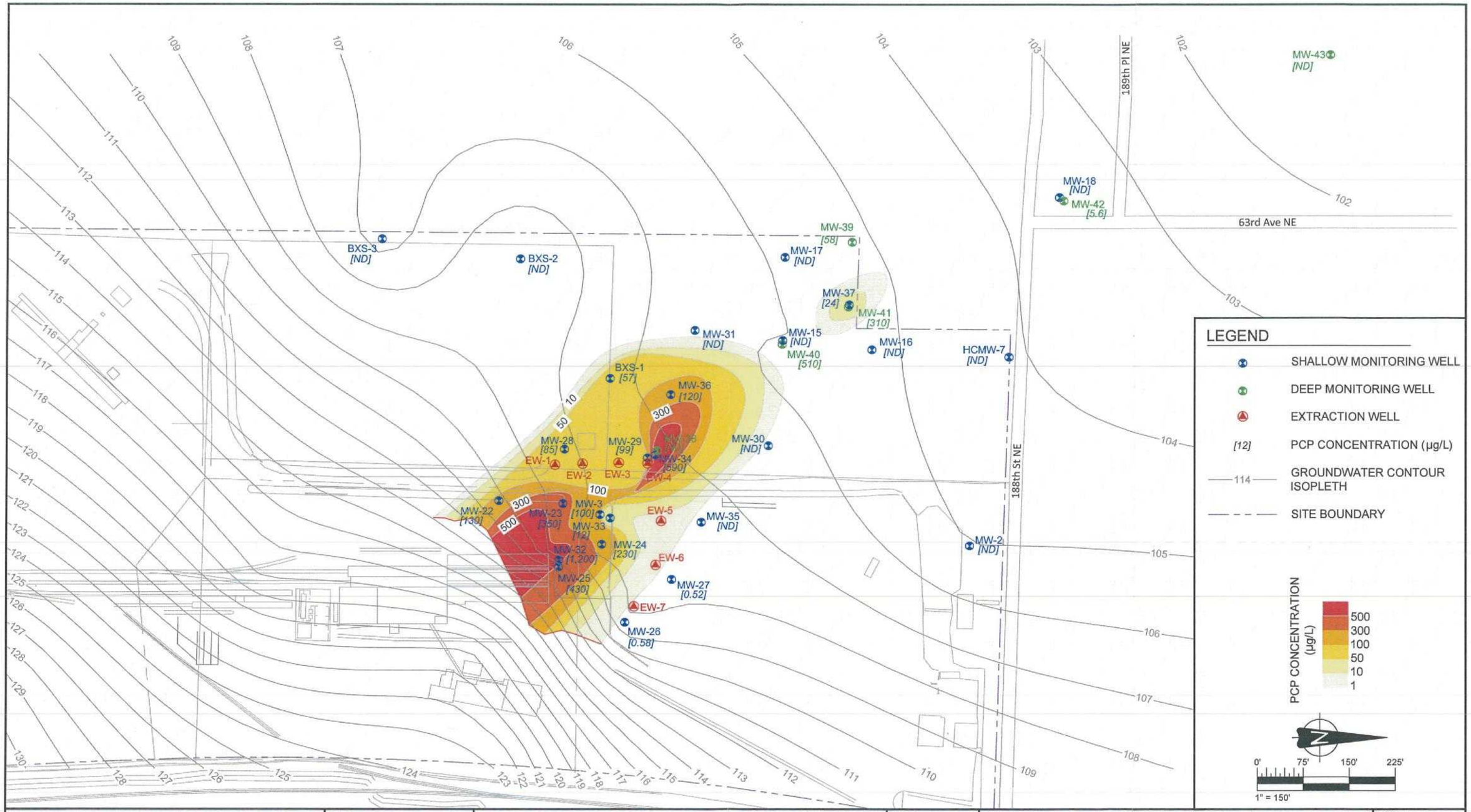
DWN BY:	PM/SD
CHK'D BY:	SB
DATUM:	-
PROJECTION:	-
SCALE:	1"=150'

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

TITLE: PENTACHLOROPHENOL ISOPLETH MAP
AUGUST 2013

DATE:	MARCH 2014
PROJECT NO.:	461M125612.01.4
REV. NO.:	A
FIGURE NO.:	30

K:\12000\12500\12561\125612\DWG\4Q2013\Figure 30 – Penta Isopleth Map – August 2013 – 4Q2013.dwg – –30 – Mar. 10, 2014 8:47am – 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/SD
CHK'D BY:	SB
DATUM:	-
PROJECTION:	-
SCALE:	1"=150'

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

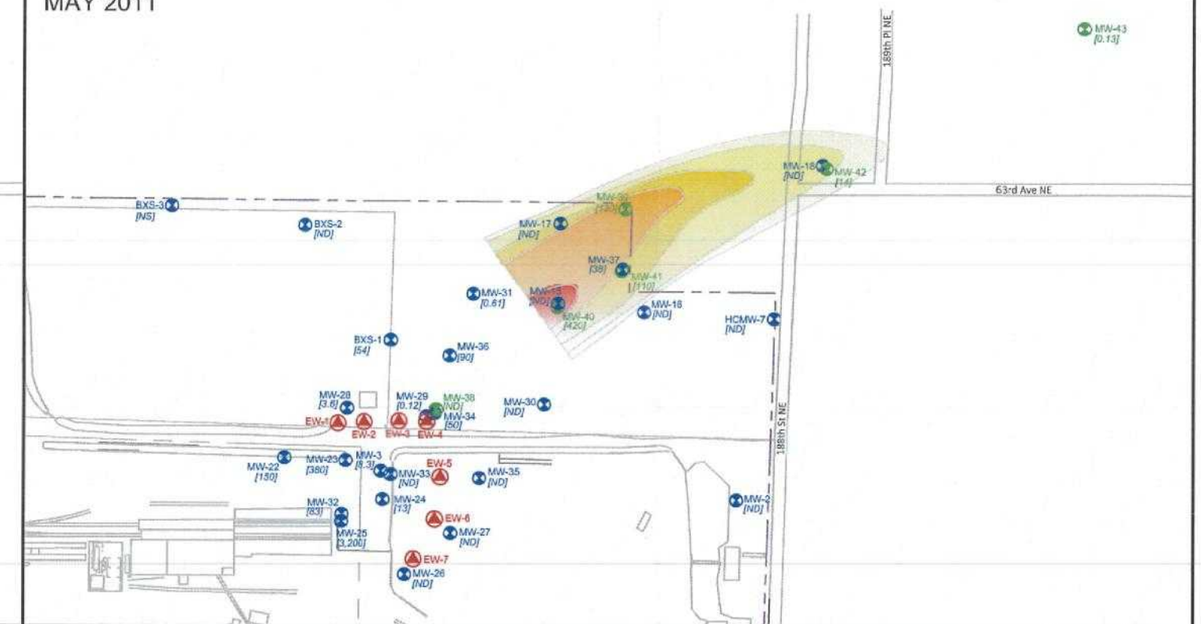
TITLE: PENTACHLOROPHENOL ISOPLETH MAP
DECEMBER 2013

DATE:	JULY 2014
PROJECT NO.:	461M125612.01.4
REV. NO.:	A
FIGURE NO.:	31

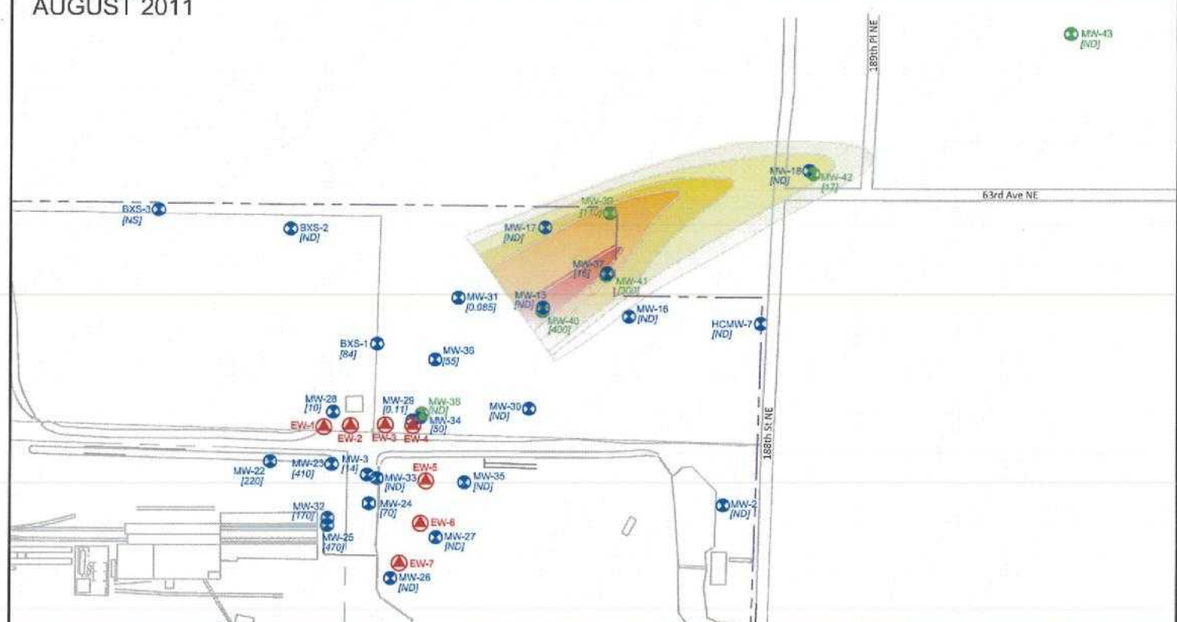
K:\12000\12500\12561\125612\DWG\4Q2013\Figure 31 – Penta Isopleth Map – December 2013 – 4Q2013.dwg – –31 – Jul. 15, 2014 12:05pm – patrick.mccarthy

FEBRUARY 2011

MAY 2011



AUGUST 2011



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)

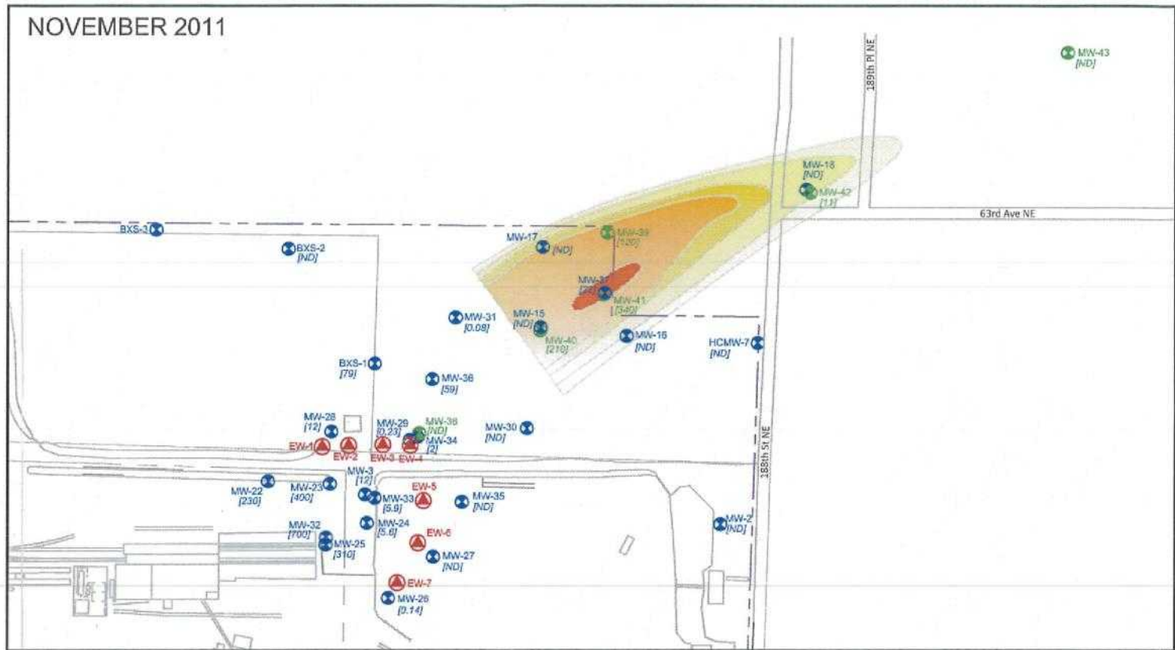
500
300
100
50
10
1

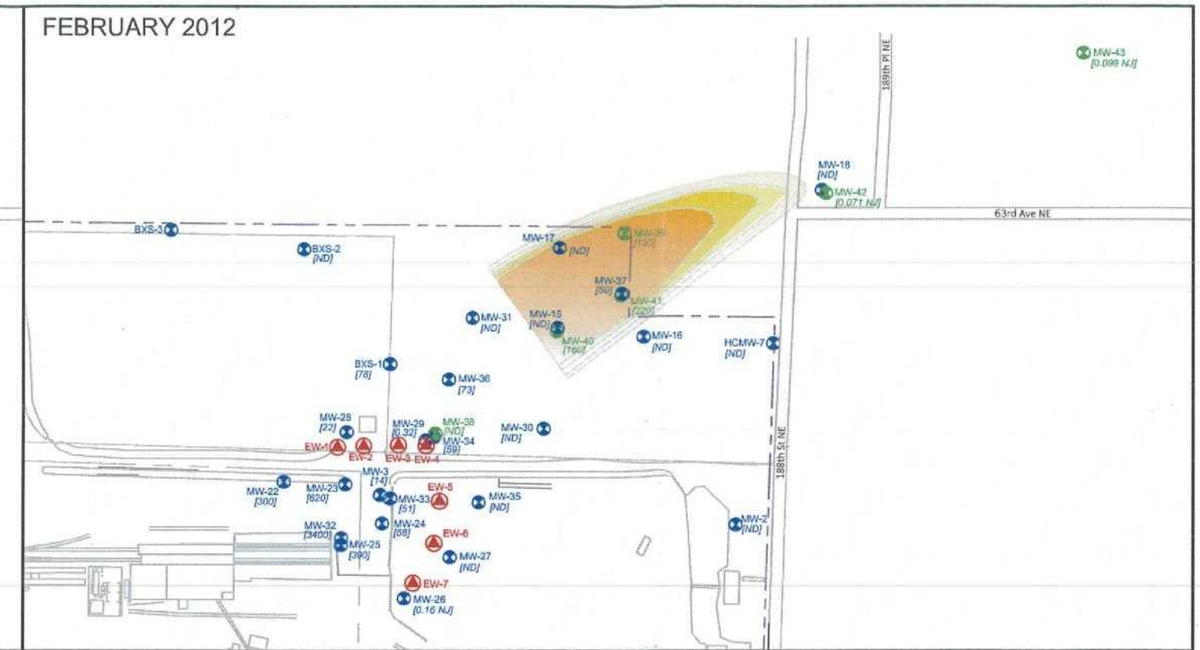
0' 175' 250' 325'

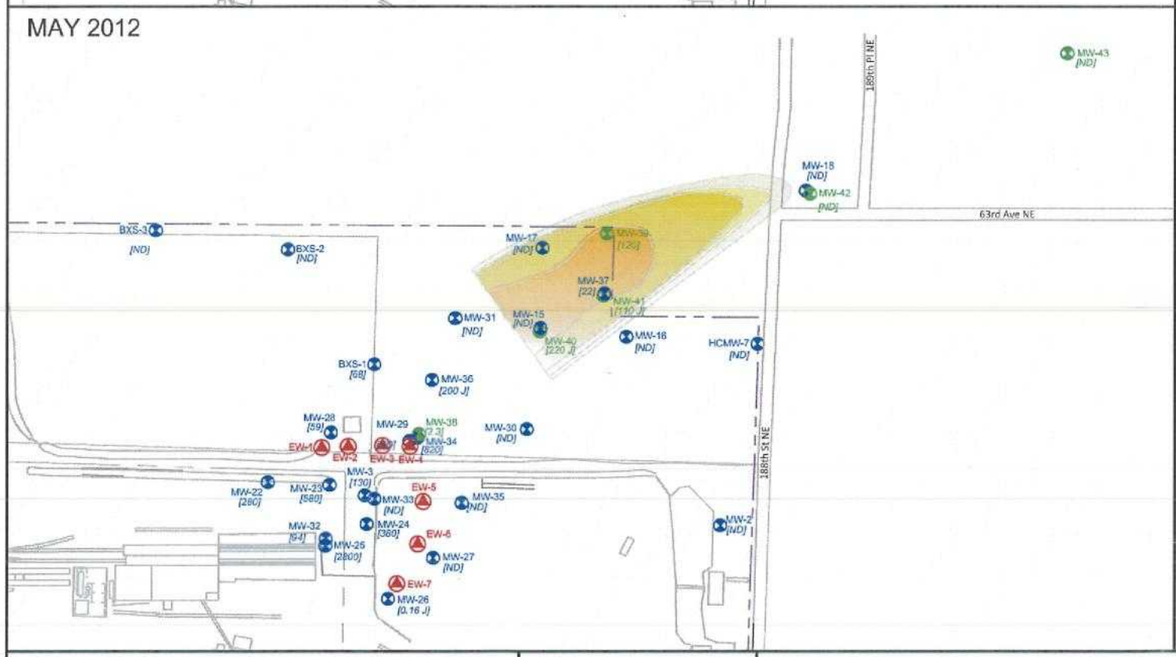
1" = 250'

CLIENT: J.H. BAXTER	DWN BY: PM/SD	PROJECT: FORMER J.H. BAXTER AND CO. WOOD TREATING FACILITY ARLINGTON, WA	DATE: MARCH 2014
	CHK'D BY: SB		PROJECT NO.: 461M125612.01.4
AMEC 7376 S.W. Durham Road Portland, OR. U.S.A. 97224	DATUM: -	TITLE: PENTACHLOROPHENOL ISOPLETH MAP FEBRUARY, MAY & AUGUST 2011 DEEPER ZONE ONLY	REV. NO.: A
	PROJECTION: -		FIGURE NO.: 32
	SCALE: 1"=250'		

K:\12000\12500\12561\125612\DWG\4Q2013\Figure 32 – PCP Concentration – 4Q2013.dwg – – – Mar. 13, 2014 1:06pm – stephane.descombes







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

0' 175' 250' 325'

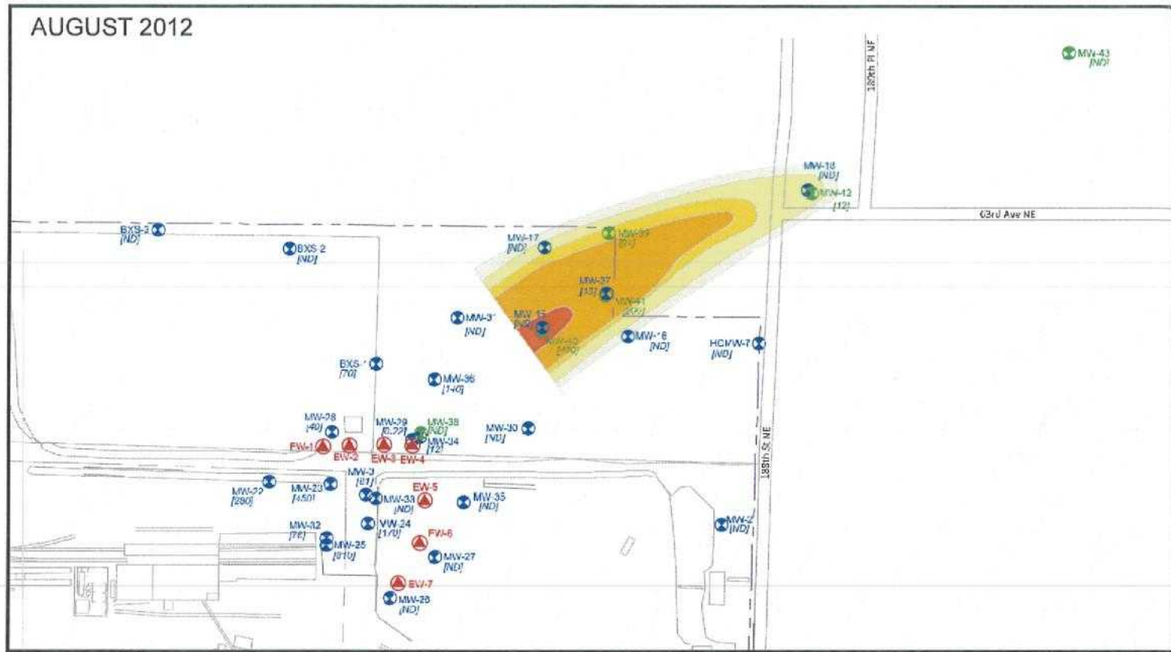
1" = 250'

J.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

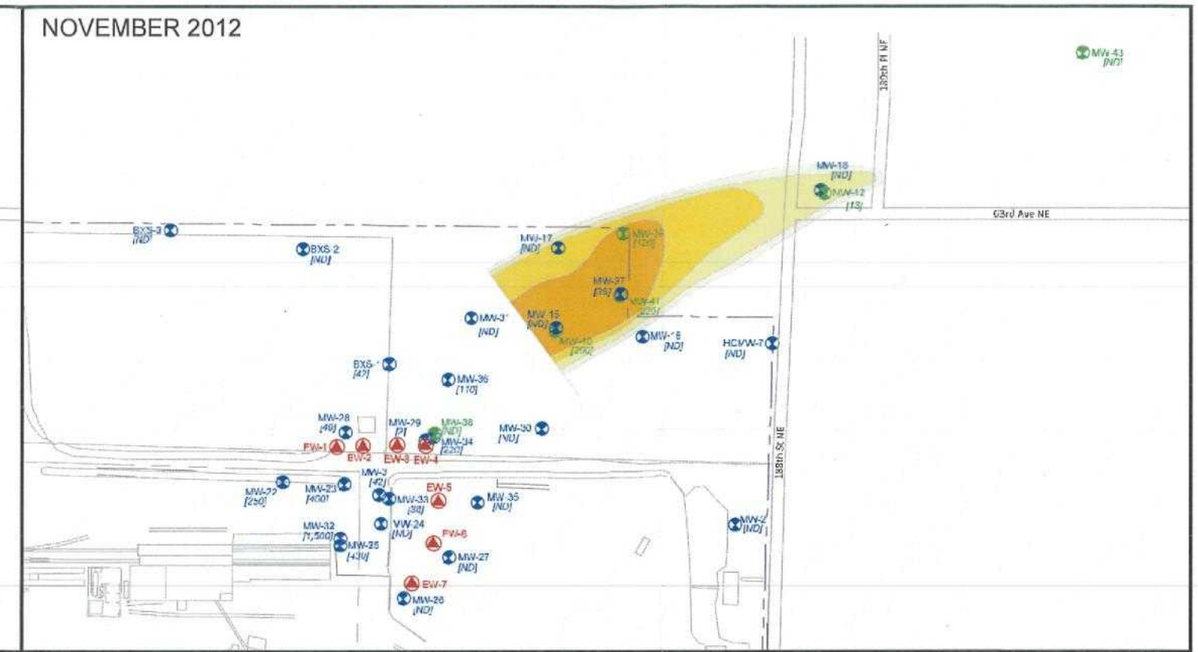
DATE: MARCH 2014
PROJECT NO.: 461M125612.01.4
REV. NO.: A
FIGURE NO.: 33

K:\12000\12500\12561\125612\DWG\4Q2013\Figure 33 – PCP Concentration – 4Q2013.dwg – – – Mar. 07, 2014 12:09pm – stephane.descombes

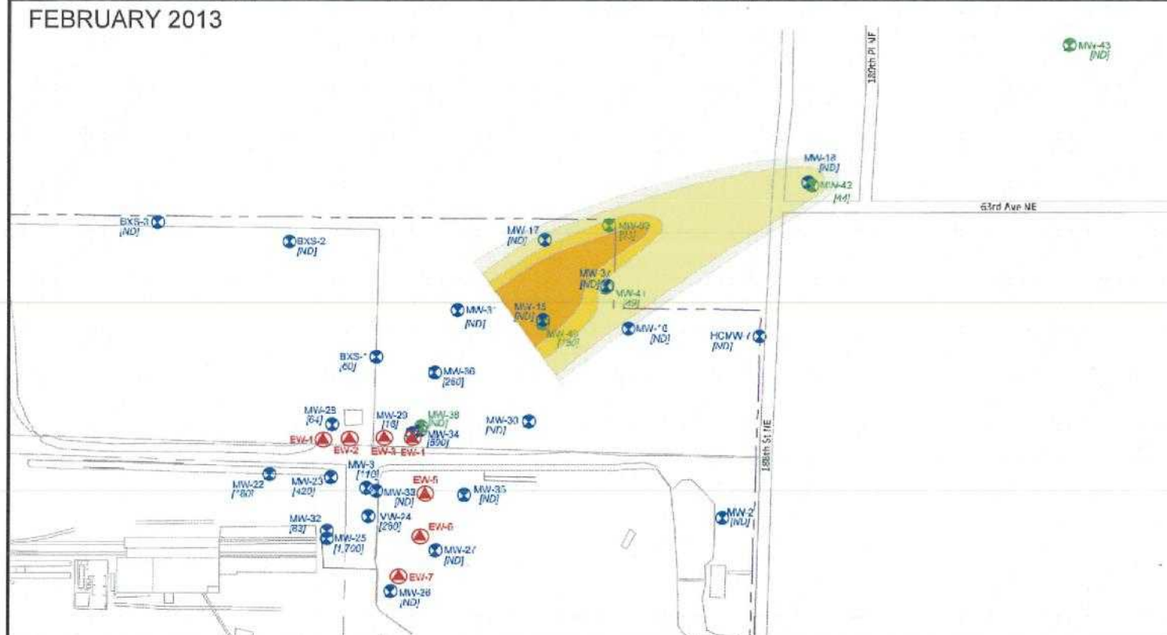
AUGUST 2012



NOVEMBER 2012



FEBRUARY 2013



LEGEND

- SHALLOW MONITORING WELL
- DEEP MONITORING WELL
- EXTRACTION WELL
- [38] 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

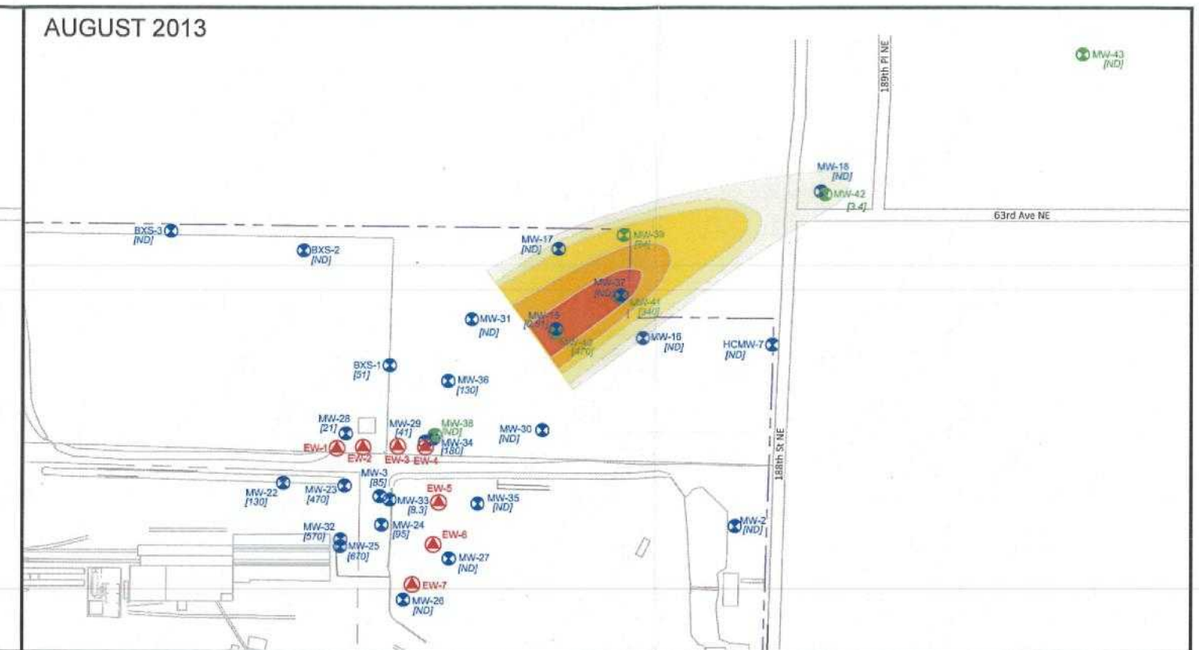
0' 175' 250' 325'

1" = 250'

J.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 TITLE: PENTACHLOROPHENOL ISOPLETH MAP AUGUST 2012 & NOVEMBER 2012 & FEBRUARY 2013 DEEPER ZONE ONLY
	AMEC 7376 S.W. Durham Road Portland, OR. U.S.A. 97224	amec	

DATE: MARCH 2014
PROJECT NO.: 461M125612.01.4
REV. NO.: A
FIGURE NO.: 34

K:\12000\12500\12561\125612\DWG\4Q2013\Figure 34 - PCP Concentration - 4Q2013.dwg - - - Mar. 07, 2014 12:11pm - stephane.descombes



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

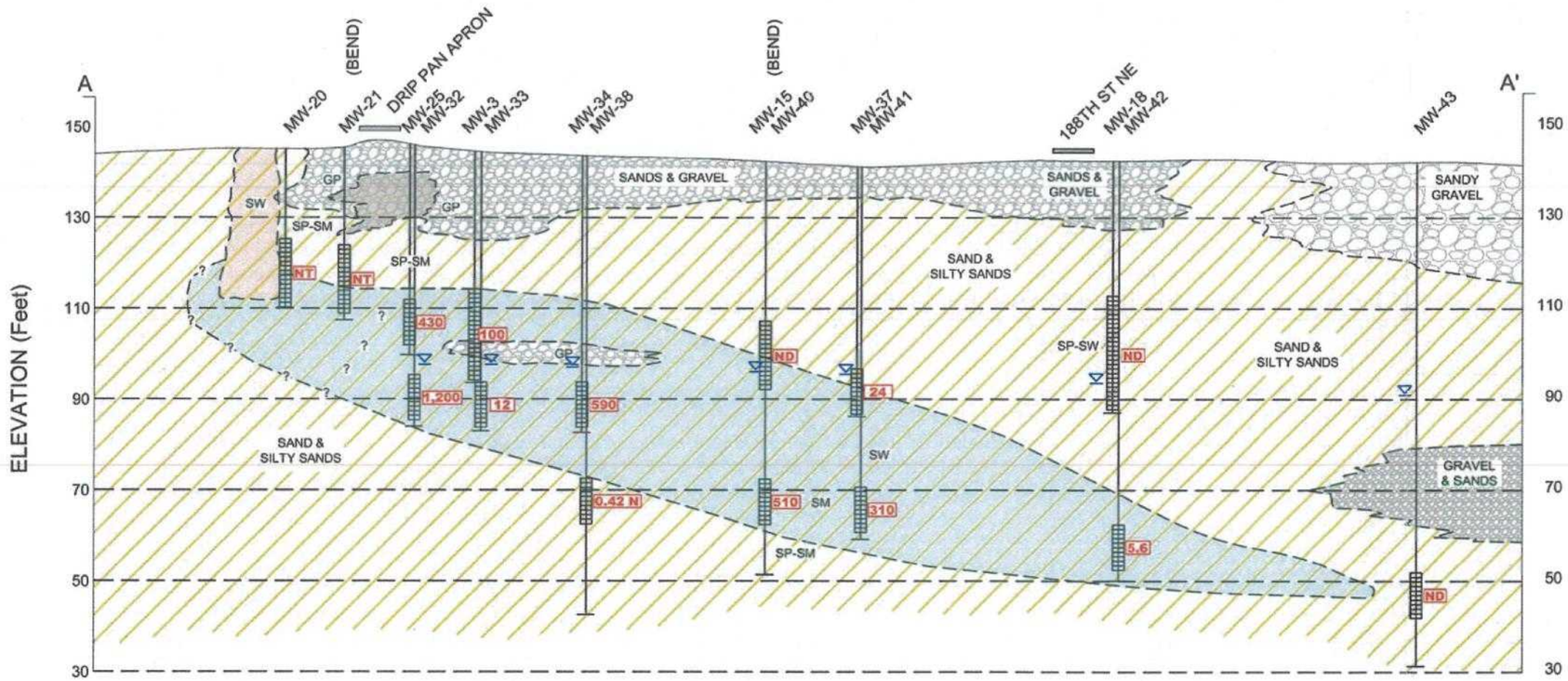
0' 175' 250' 325'

1" = 250'

J.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 JUNE, AUGUST, & DECEMBER 2013 DEEPER ZONE ONLY

DATE: JULY 2014
PROJECT NO.: 461M125612.01.4
REV. NO.: A
FIGURE NO.: 35

K:\12000\12500\12561\125612\DWG\4Q2013\Figure 35 – PCP Concentration – 4Q2013.dwg – – – Jul. 14, 2014 4:33pm – patrick.mccarthy



LEGEND

- MONITORING WELL CLUSTER, IDENTIFIER, AND SCREEN INTERVAL
- INFERRED LITHOLOGIC CONTACT
- 340 — PENTACHLOROPHENOL CONCENTRATION IN µg/L
- 0.42 N — TENTATIVELY IDENTIFIED ANALYTE
- NT — NOT TESTED
- ND — NOT DETECTED
- APPROXIMATE WATER LEVEL ON DECEMBER 2, 2013
- RESIDUAL LNAPL
- WOOD DEBRIS
- APPROXIMATE EXTENT OF PCP IN GROUNDWATER (~>1)

VERTICAL SCALE: 1" = 30'

0' 15' 30' 45'

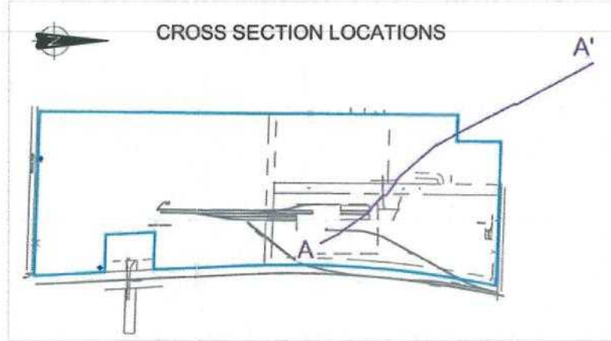
1" = 30'

HORIZONTAL SCALE: 1" = 225'
EXAGGERATION 7.5x

0' 112.5' 225' 337.5'

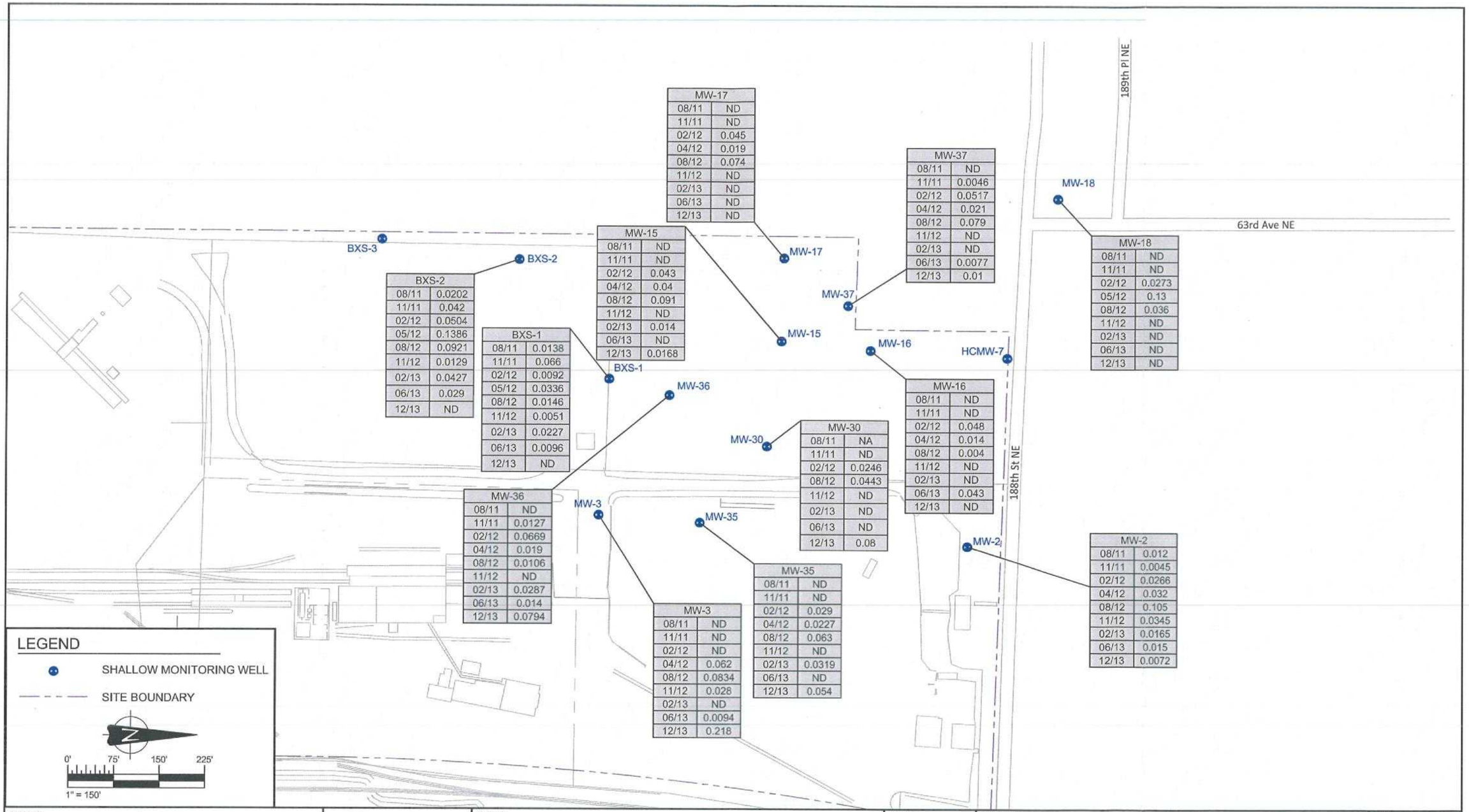
1" = 225'

CROSS SECTION LOCATIONS



CLIENT: J.H. BAXTER	DWN BY: PM CHK'D BY: SB DATUM: - PROJECTION: - SCALE: AS SHOWN	PROJECT: FORMER J.H. BAXTER AND CO. WOOD TREATING FACILITY ARLINGTON, WA	DATE: JULY 2014 PROJECT NO. 361M0125611.0001.3
AMEC 7376 S.W. Durham Road Portland, OR. U.S.A. 97224		TITLE: CROSS SECTION A-A' PENTACHLOROPHENOL IN GROUNDWATER DECEMBER 2013	REV. NO.: - FIGURE No. 36

K:\12000\12500\12561\125612\DWG\4Q2013\Figure 36 - Cross Section A-A' - PCP in Groundwater - 4Q2013.dwg - Layout1 - Jul. 14, 2014 4:47pm - patrick.mccarthy



MW-17	
08/11	ND
11/11	ND
02/12	0.045
04/12	0.019
08/12	0.074
11/12	ND
02/13	ND
06/13	ND
12/13	ND

MW-37	
08/11	ND
11/11	0.0046
02/12	0.0517
04/12	0.021
08/12	0.079
11/12	ND
02/13	ND
06/13	0.0077
12/13	0.01

MW-18	
08/11	ND
11/11	ND
02/12	0.0273
05/12	0.13
08/12	0.036
11/12	ND
02/13	ND
06/13	ND
12/13	ND

MW-15	
08/11	ND
11/11	ND
02/12	0.043
04/12	0.04
08/12	0.091
11/12	ND
02/13	0.014
06/13	ND
12/13	0.0168

BXS-2	
08/11	0.0202
11/11	0.042
02/12	0.0504
05/12	0.1386
08/12	0.0921
11/12	0.0129
02/13	0.0427
06/13	0.029
12/13	ND

BXS-1	
08/11	0.0138
11/11	0.066
02/12	0.0092
05/12	0.0336
08/12	0.0146
11/12	0.0051
02/13	0.0227
06/13	0.0096
12/13	ND

MW-16	
08/11	ND
11/11	ND
02/12	0.048
04/12	0.014
08/12	0.004
11/12	ND
02/13	ND
06/13	0.043
12/13	ND

MW-30	
08/11	NA
11/11	ND
02/12	0.0246
08/12	0.0443
11/12	ND
02/13	ND
06/13	ND
12/13	0.08

MW-36	
08/11	ND
11/11	0.0127
02/12	0.0669
04/12	0.019
08/12	0.0106
11/12	ND
02/13	0.0287
06/13	0.014
12/13	0.0794

MW-35	
08/11	ND
11/11	ND
02/12	0.029
04/12	0.0227
08/12	0.063
11/12	ND
02/13	0.0319
06/13	ND
12/13	0.054

MW-3	
08/11	ND
11/11	ND
02/12	ND
04/12	0.062
08/12	0.0834
11/12	0.028
02/13	ND
06/13	0.0094
12/13	0.218

MW-2	
08/11	0.012
11/11	0.0045
02/12	0.0266
04/12	0.032
08/12	0.105
11/12	0.0345
02/13	0.0165
06/13	0.015
12/13	0.0072

NOTES:
UNITS µg/L
ND Undetected
NA Not Analyzed

J.H. Baxter

CLIENT: J.H. BAXTER

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

amec

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

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

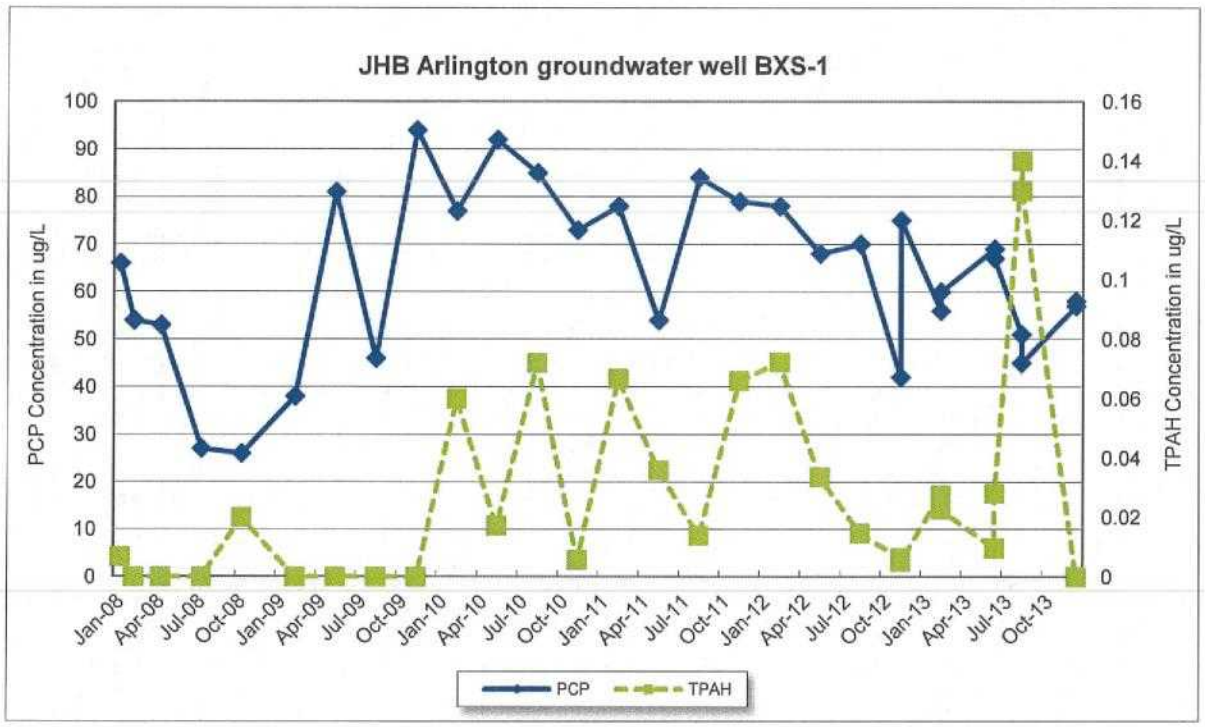
TITLE: TOTAL PAHs IN GROUNDWATER AUGUST 2011 - DECEMBER 2013

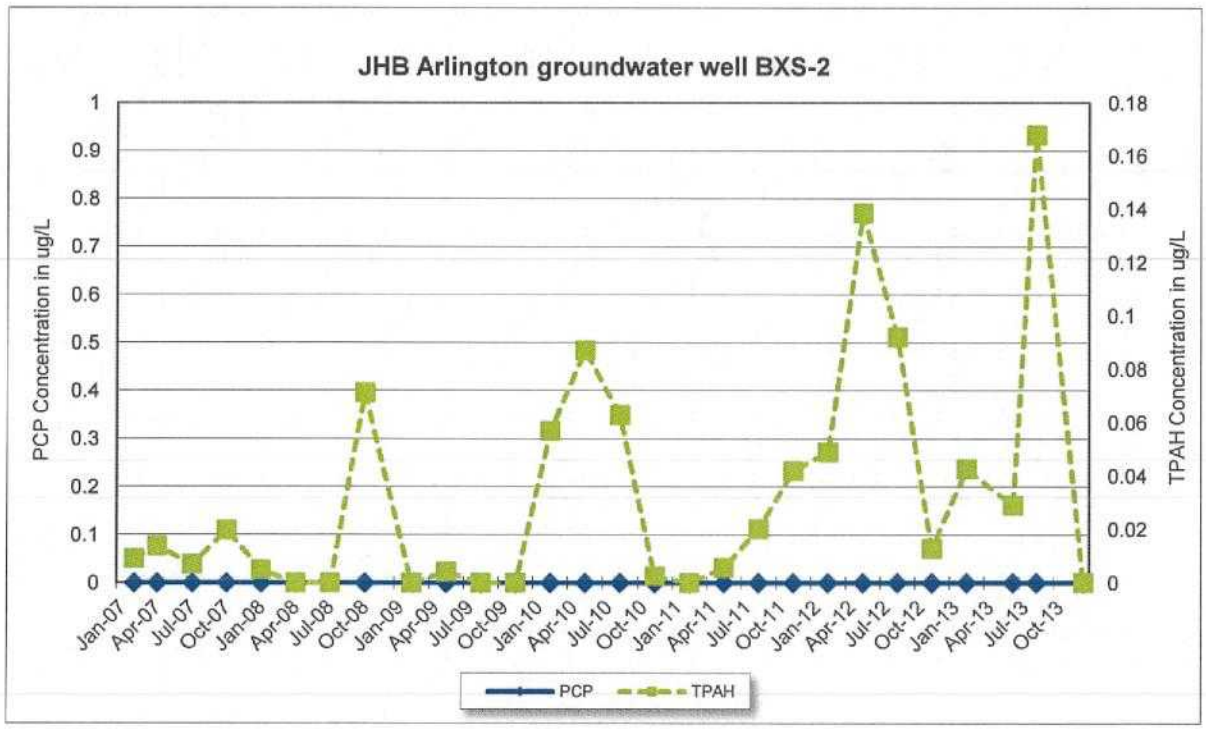
DATE: JULY 2014
PROJECT NO.: 461M125612.01.4
REV. NO.: A
FIGURE NO.: 37

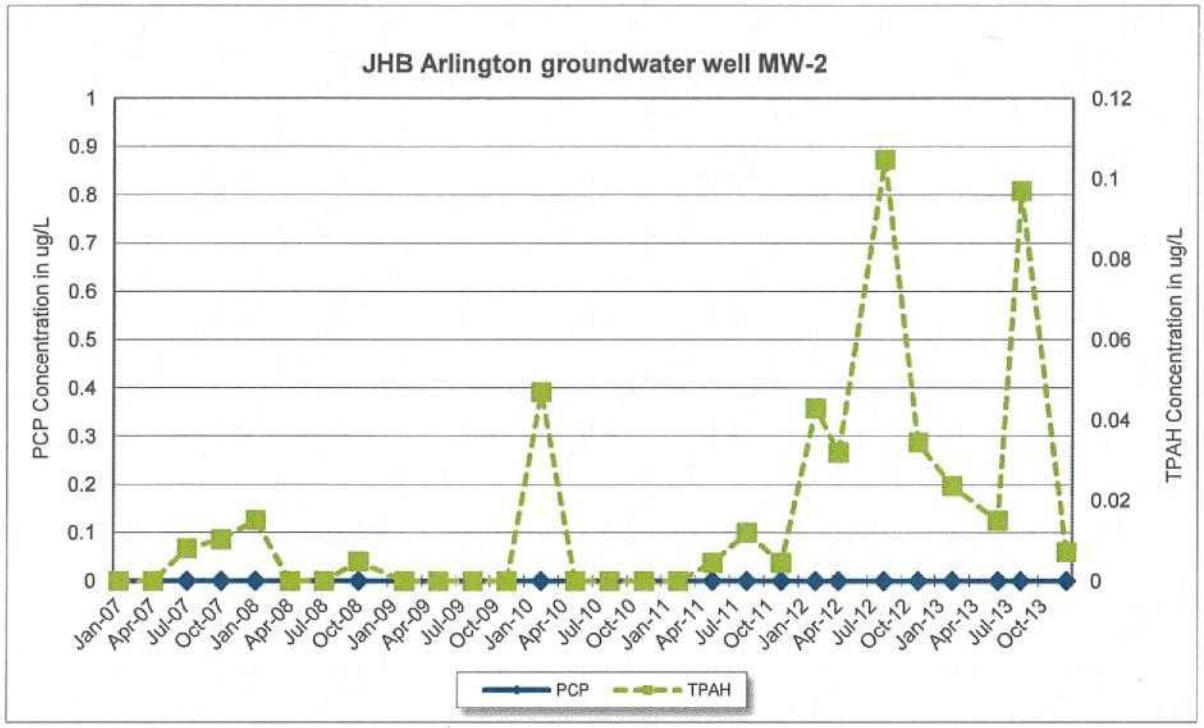
K:\12000\12500\12561\125612\DWG\4Q2013\Figure 7-29-37 - 4Q2013.dwg - -37 - Jul. 14, 2014 4:49pm - patrick.mccarthy

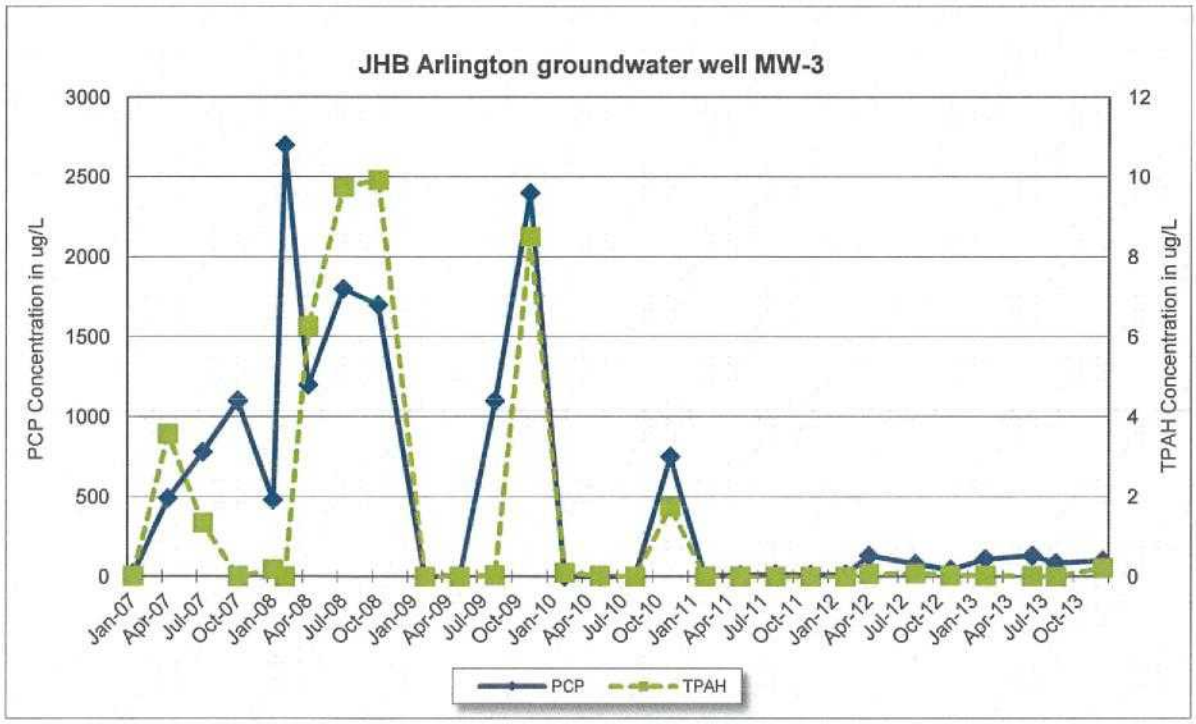
APPENDIX A

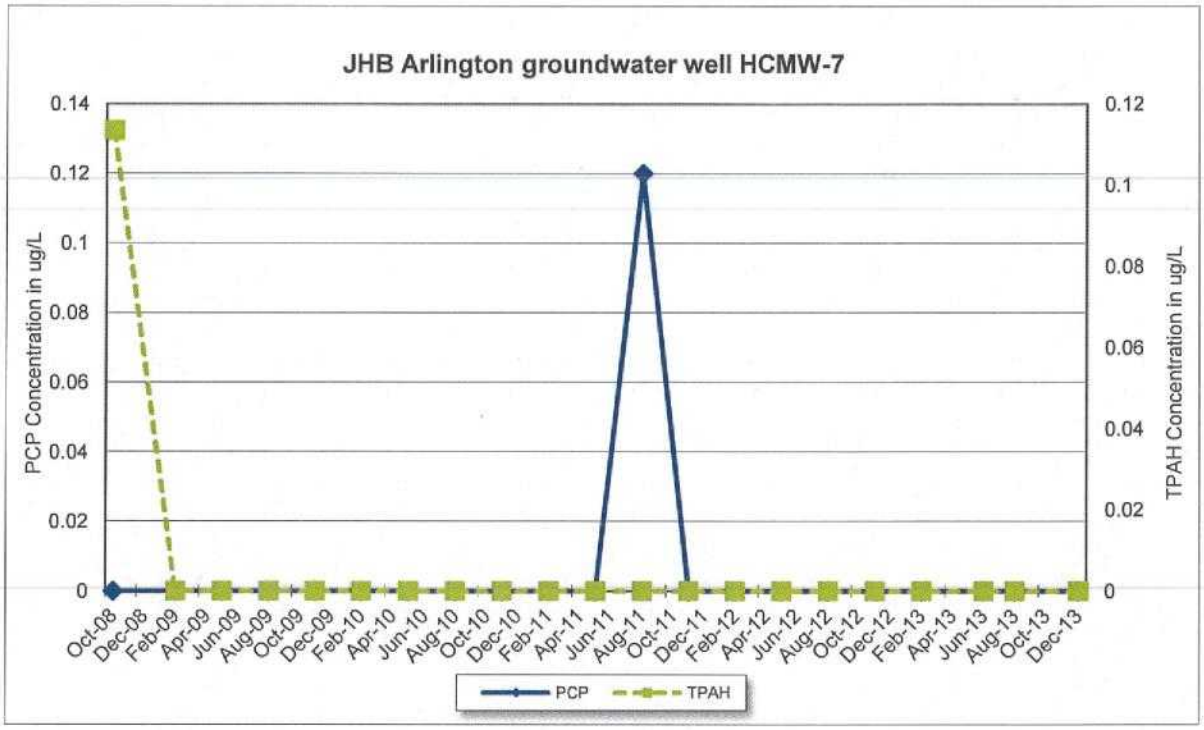
Time Series Plots – PCP and TPAH in Groundwater

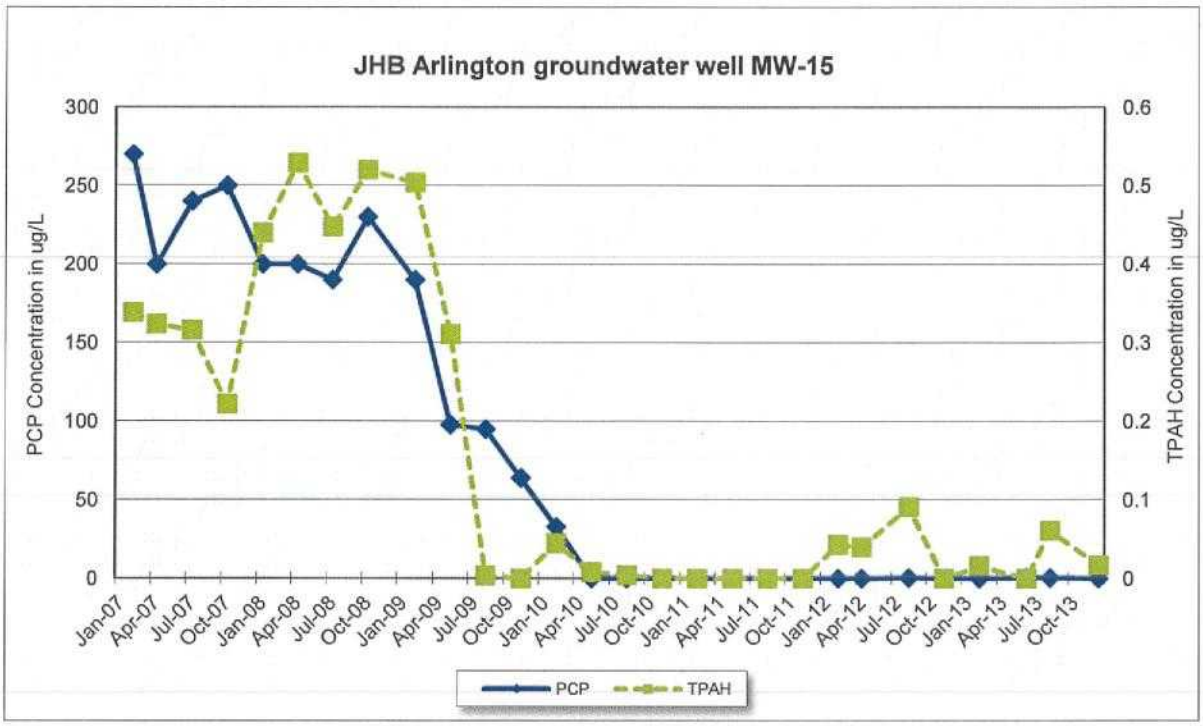

JHB Arlington groundwater well BXS-1
PCP Concentration in ug/L
TPAH Concentration in ug/L
100
90
80
70
60
50
40
30
20
10
0
0.16
0.14
0.12
0.1
0.08
0.06
0.04
0.02
0
Jan-08
Apr-08
Jul-08
Oct-08
Jan-09
Apr-09
Jul-09
Oct-09
Jan-10
Apr-10
Jul-10
Oct-10
Jan-11
Apr-11
Jul-11
Oct-11
Jan-12
Apr-12
Jul-12
Oct-12
Jan-13
Apr-13
Jul-13
Oct-13
PCP
TPAH

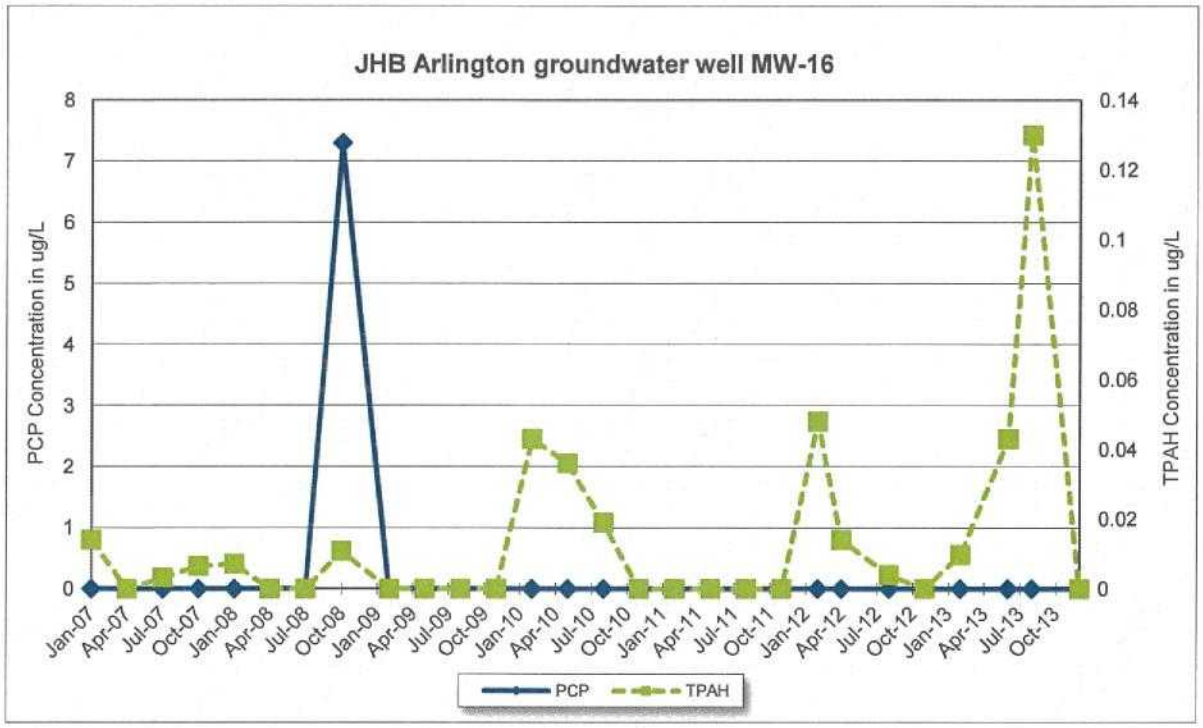

JHB Arlington groundwater well BXS-2
PCP Concentration in ug/L
TPAH Concentration in ug/L
1
0.9
0.8
0.7
0.6
0.5
0.4
0.3
0.2
0.1
0
0.18
0.16
0.14
0.12
0.1
0.08
0.06
0.04
0.02
0
Jan-07
Apr-07
Jul-07
Oct-07
Jan-08
Apr-08
Jul-08
Oct-08
Jan-09
Apr-09
Jul-09
Oct-09
Jan-10
Apr-10
Jul-10
Oct-10
Jan-11
Apr-11
Jul-11
Oct-11
Jan-12
Apr-12
Jul-12
Oct-12
Jan-13
Apr-13
Jul-13
Oct-13
PCP
TPAH

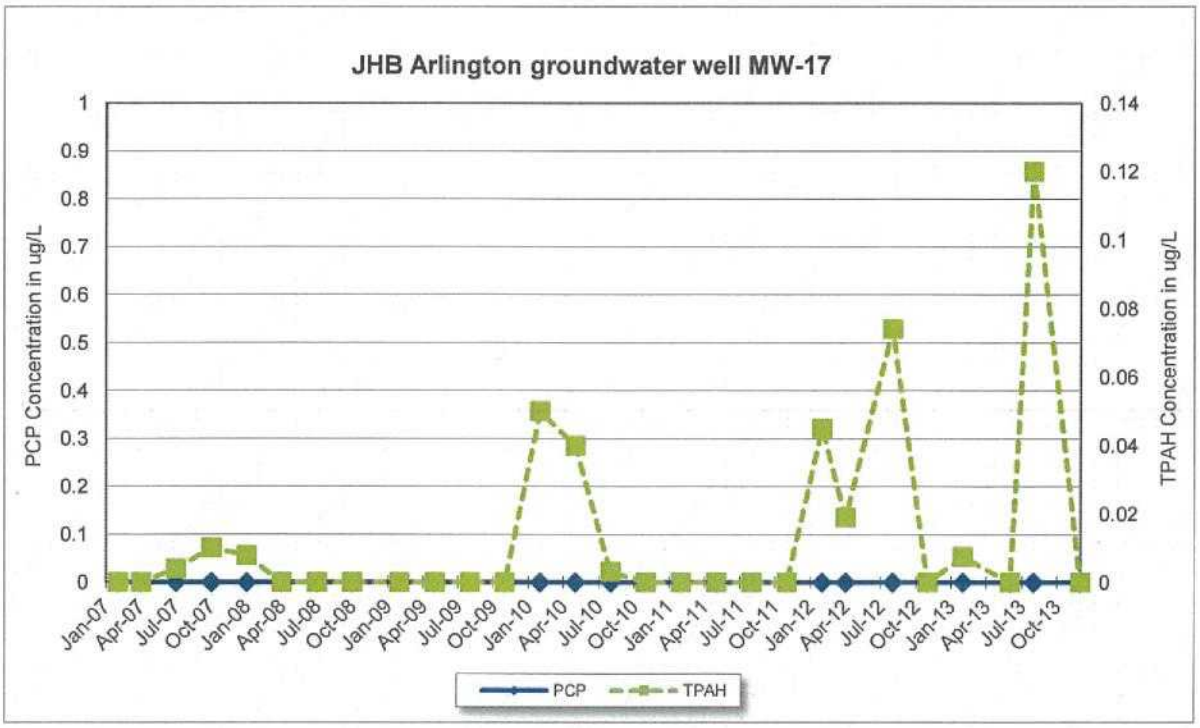

JHB Arlington groundwater well MW-2
PCP Concentration in ug/L
TPAH Concentration in ug/L
1
0.9
0.8
0.7
0.6
0.5
0.4
0.3
0.2
0.1
0
0.12
0.1
0.08
0.06
0.04
0.02
0
Jan-07
Apr-07
Jul-07
Oct-07
Jan-08
Apr-08
Jul-08
Oct-08
Jan-09
Apr-09
Jul-09
Oct-09
Jan-10
Apr-10
Jul-10
Oct-10
Jan-11
Apr-11
Jul-11
Oct-11
Jan-12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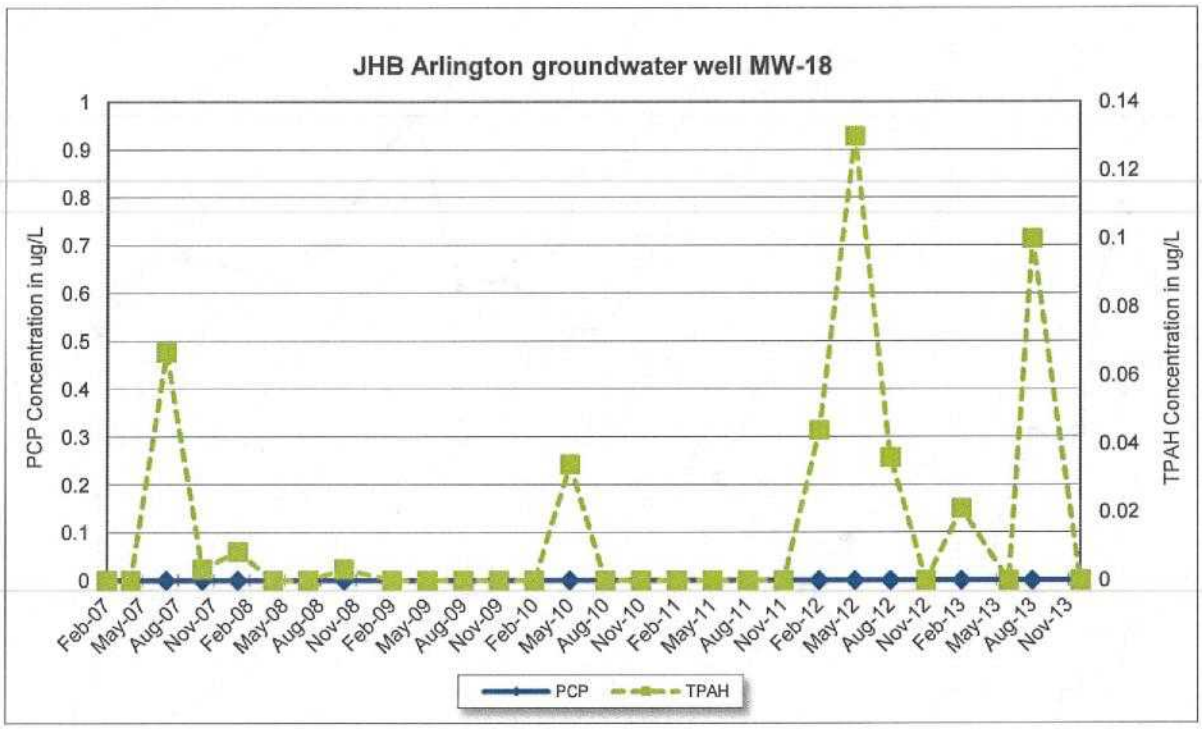
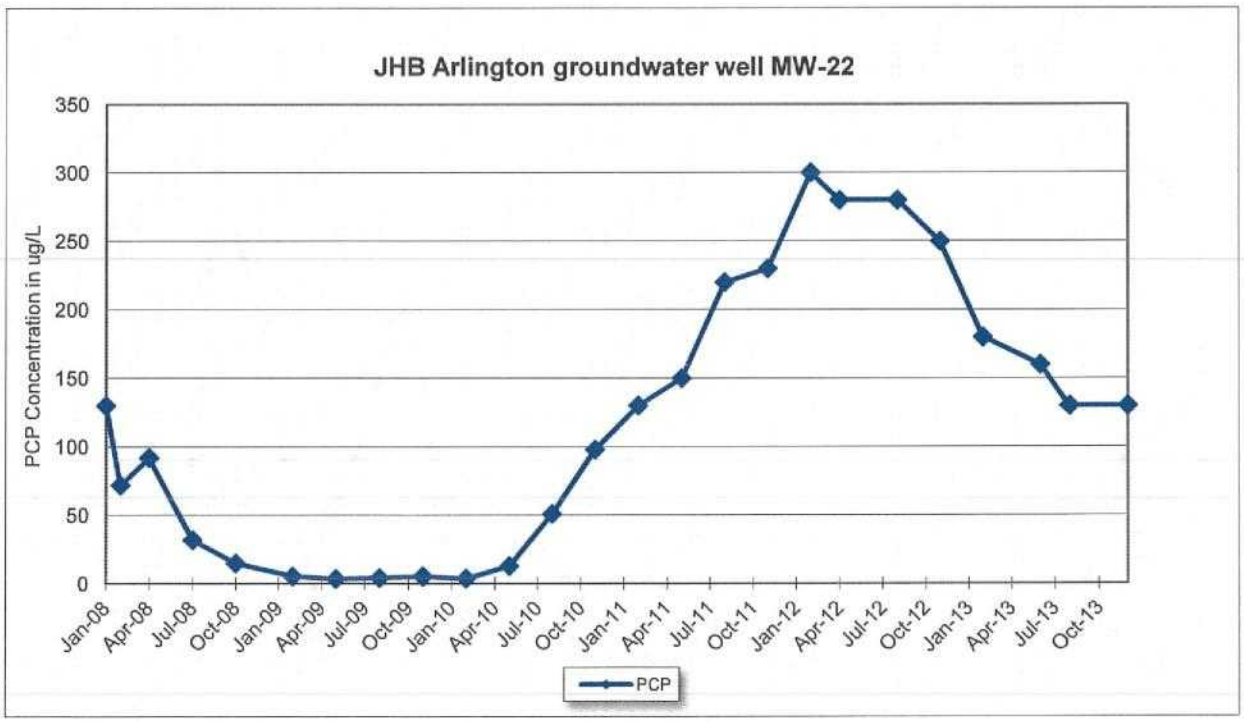
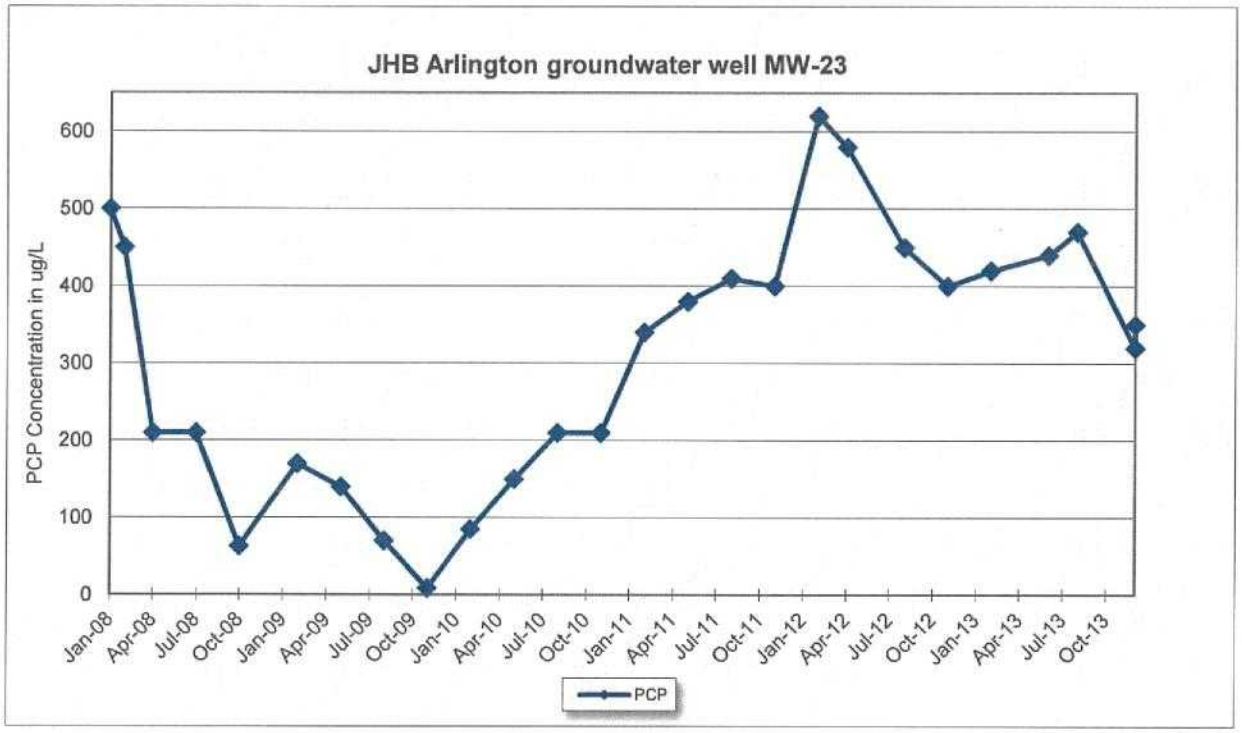
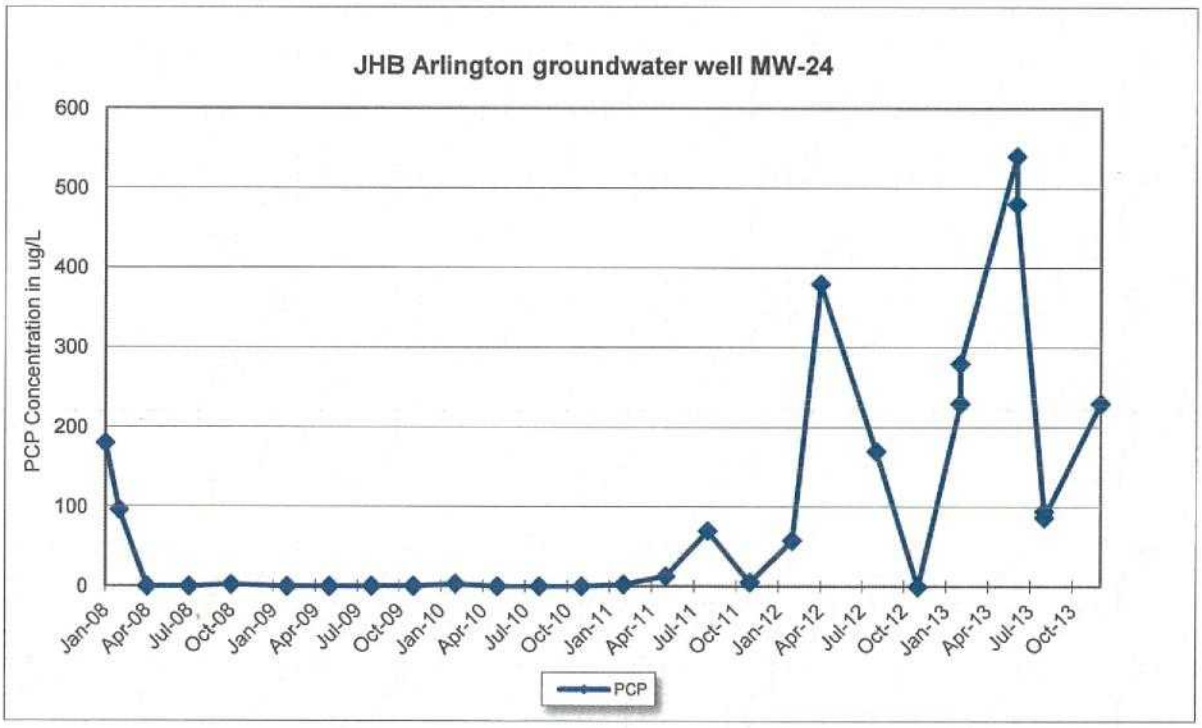
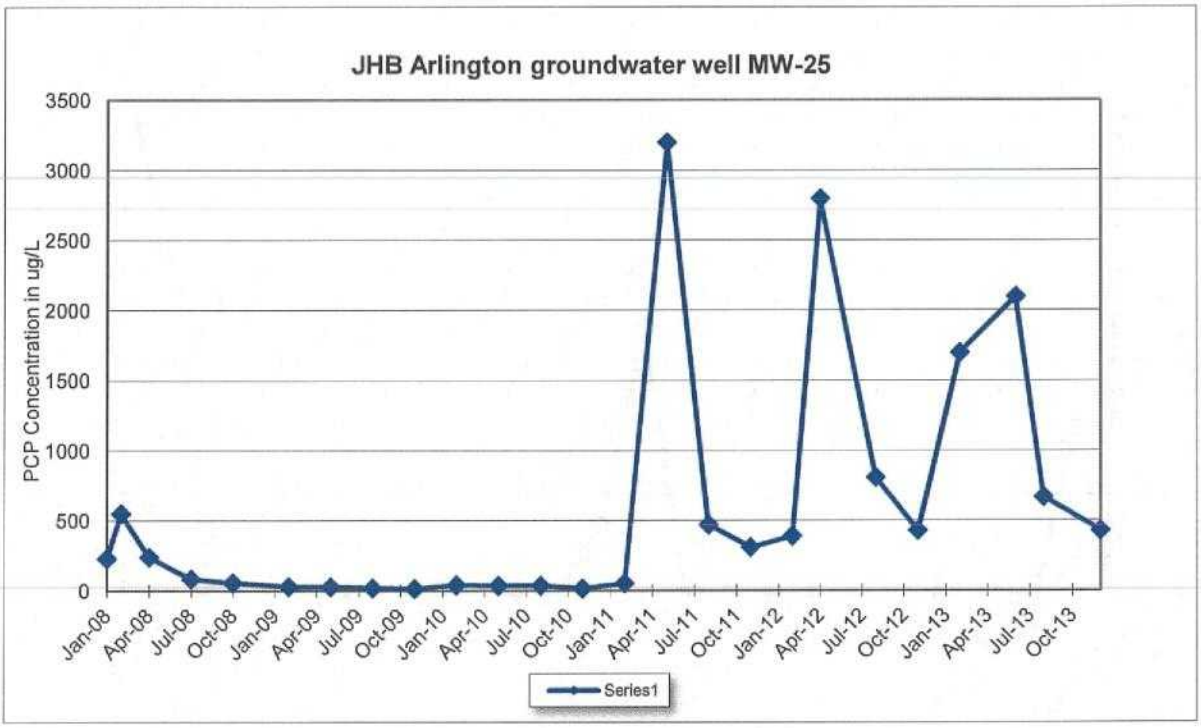
Jan-13
Apr-13
Jul-13
Oct-13
PCP
TPAH


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
Nov-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
Oct-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
Oct-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
Oct-13
PCP


JHB Arlington groundwater well MW-25
PCP Concentration in ug/L
3500
3000
2500
2000
1500
1000
500
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
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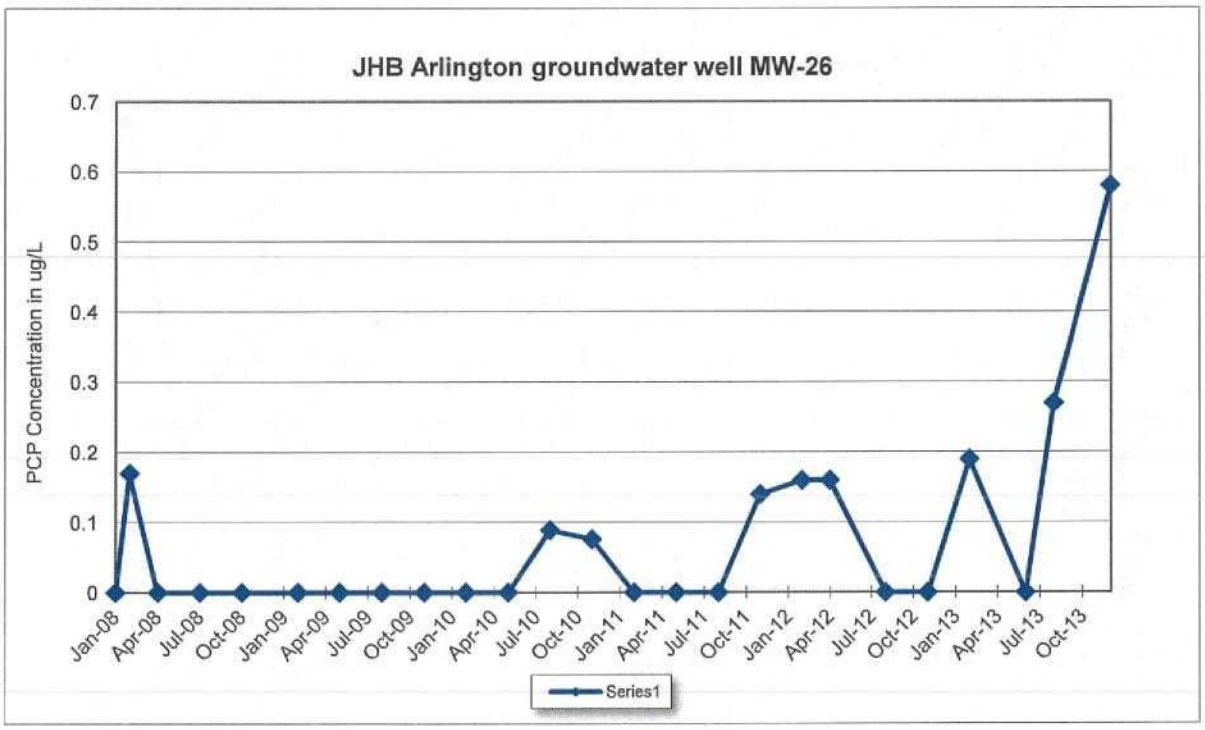
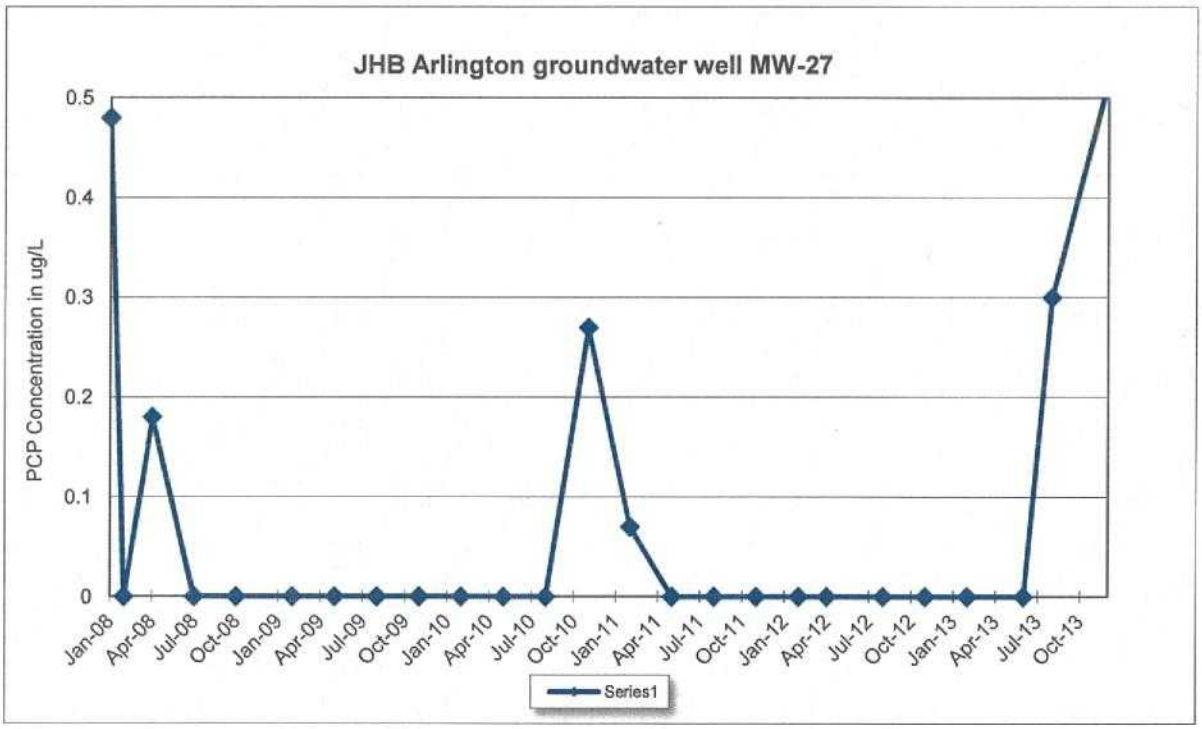
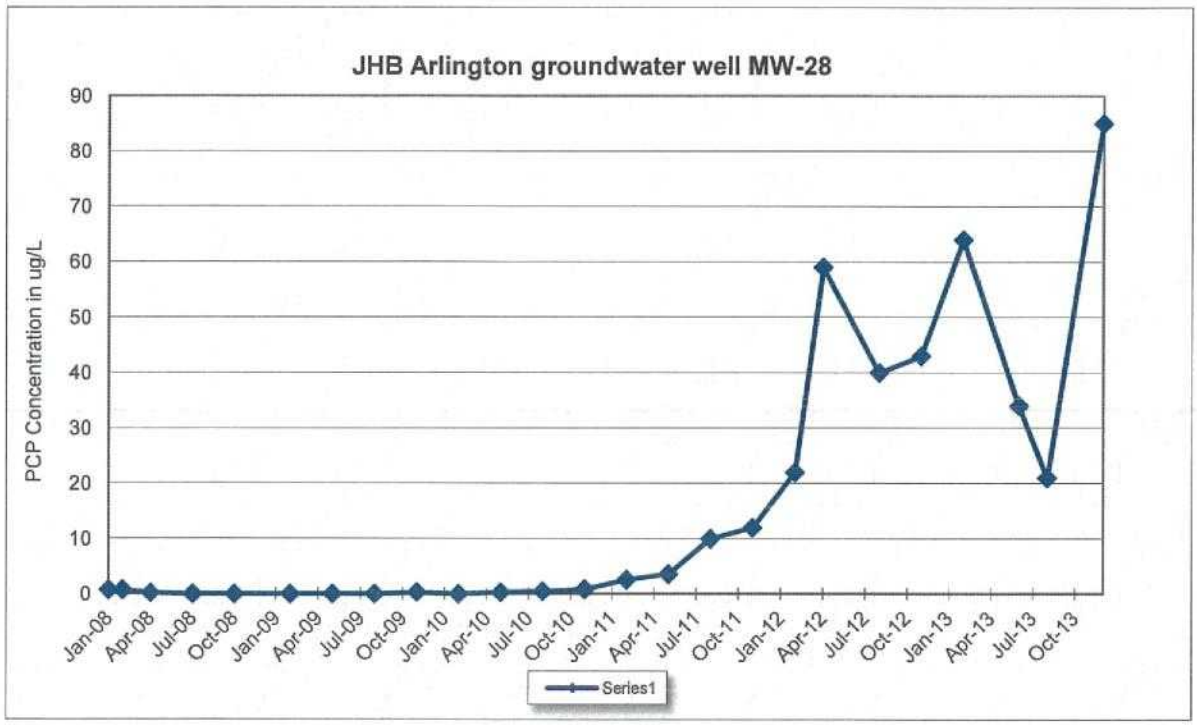
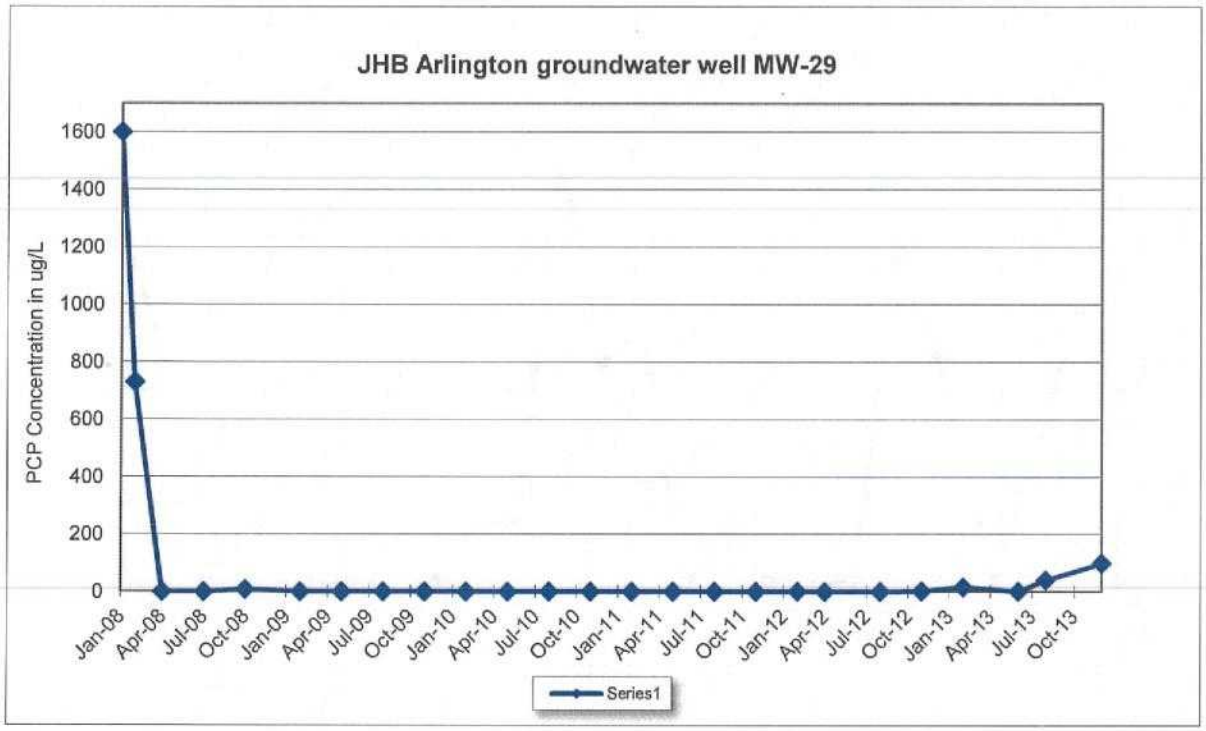
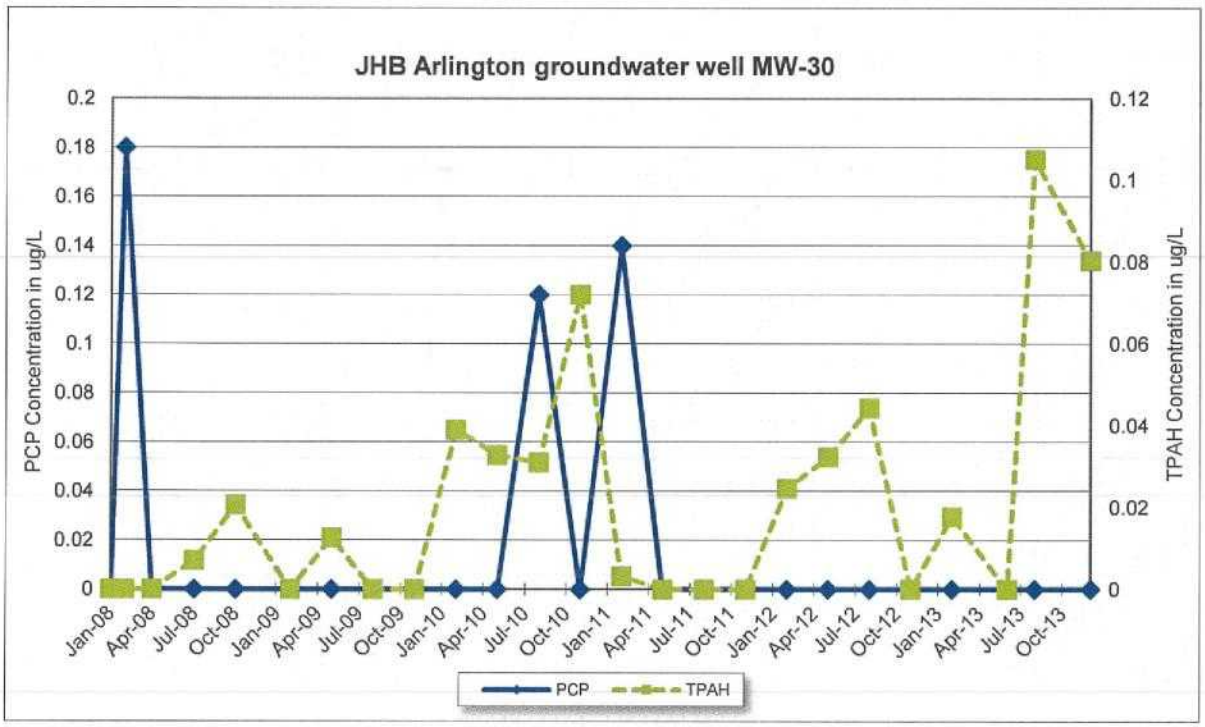
Jan-13
Apr-13
Jul-13
Oct-13
Series1

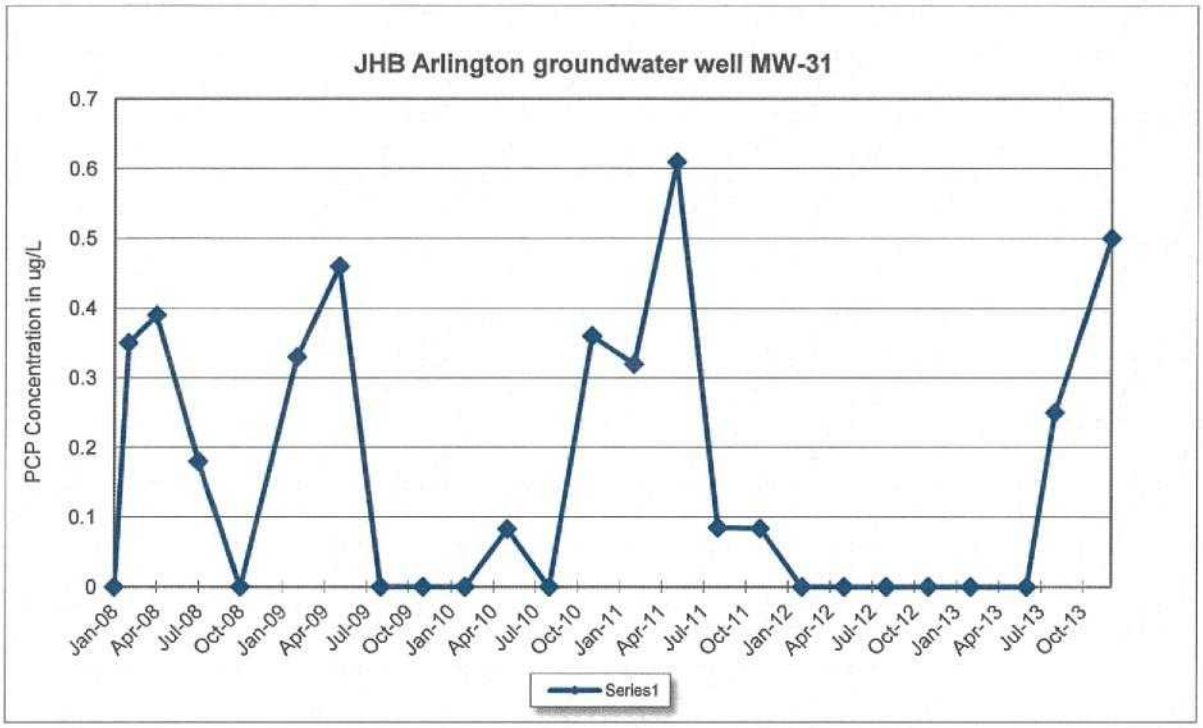

JHB Arlington groundwater well MW-26
PCP Concentration in ug/L
0.7
0.6
0.5
0.4
0.3
0.2
0.1
0
Jan-08
Apr-08
Jul-08
Oct-08
Jan-09
Apr-09
Jul-09
Oct-09
Jan-10
Apr-10
Jul-10
Oct-10
Jan-11
Apr-11
Jul-11
Oct-11
Jan-12
Apr-12
Jul-12
Oct-12
Jan-13
Apr-13
Jul-13
Oct-13
Series1

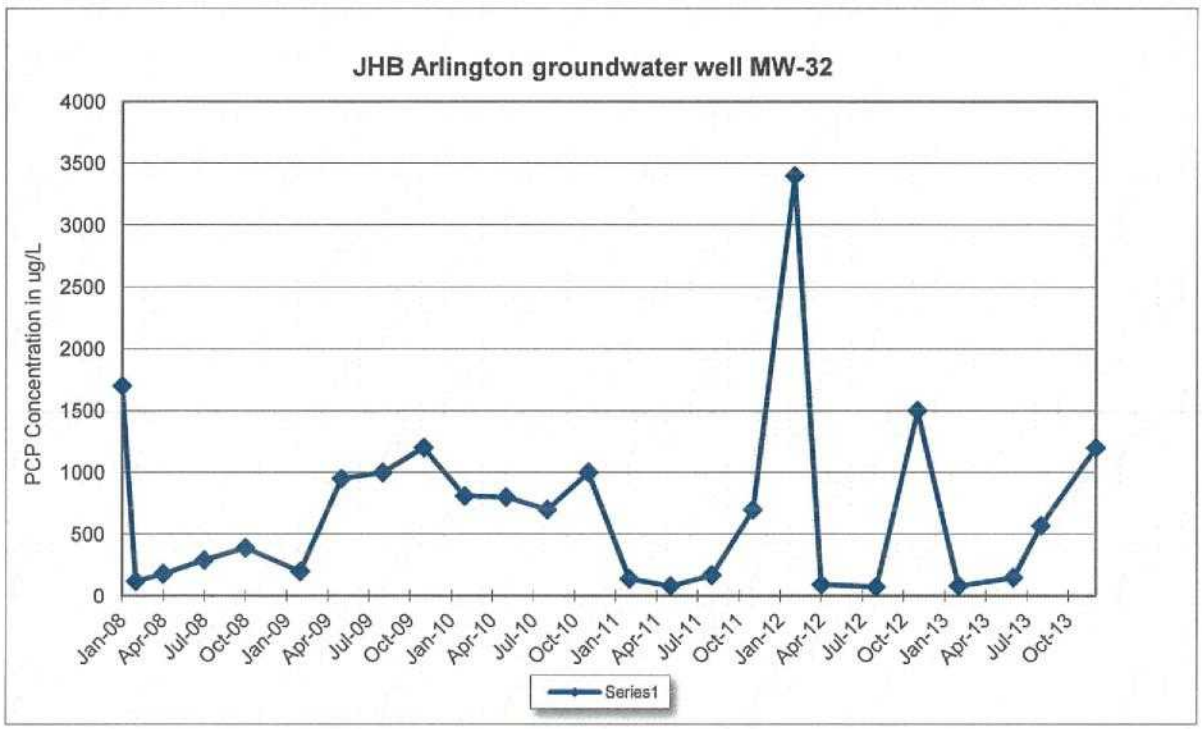

JHB Arlington groundwater well MW-27
PCP Concentration in ug/L
0.5
0.4
0.3
0.2
0.1
0
Jan-08
Apr-08
Jul-08
Oct-08
Jan-09
Apr-09
Jul-09
Oct-09
Jan-10
Apr-10
Jul-10
Oct-10
Jan-11
Apr-11
Jul-11
Oct-11
Jan-12
Apr-12
Jul-12
Oct-12
Jan-13
Apr-13
Jul-13
Oct-13
Series1

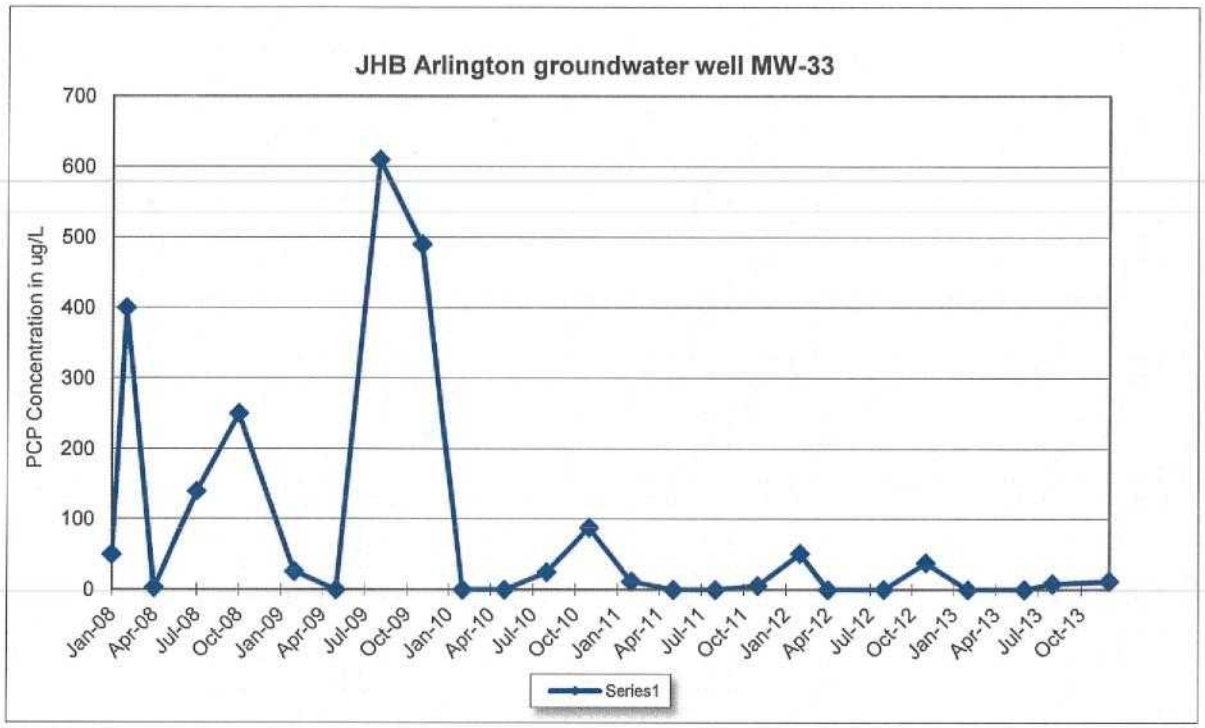

JHB Arlington groundwater well MW-28
PCP Concentration in ug/L
90
80
70
60
50
40
30
20
10
0
Jan-08
Apr-08
Jul-08
Oct-08
Jan-09
Apr-09
Jul-09
Oct-09
Jan-10
Apr-10
Jul-10
Oct-10
Jan-11
Apr-11
Jul-11
Oct-11
Jan-12
Apr-12
Jul-12
Oct-12
Jan-13
Apr-13
Jul-13
Oct-13
Series1

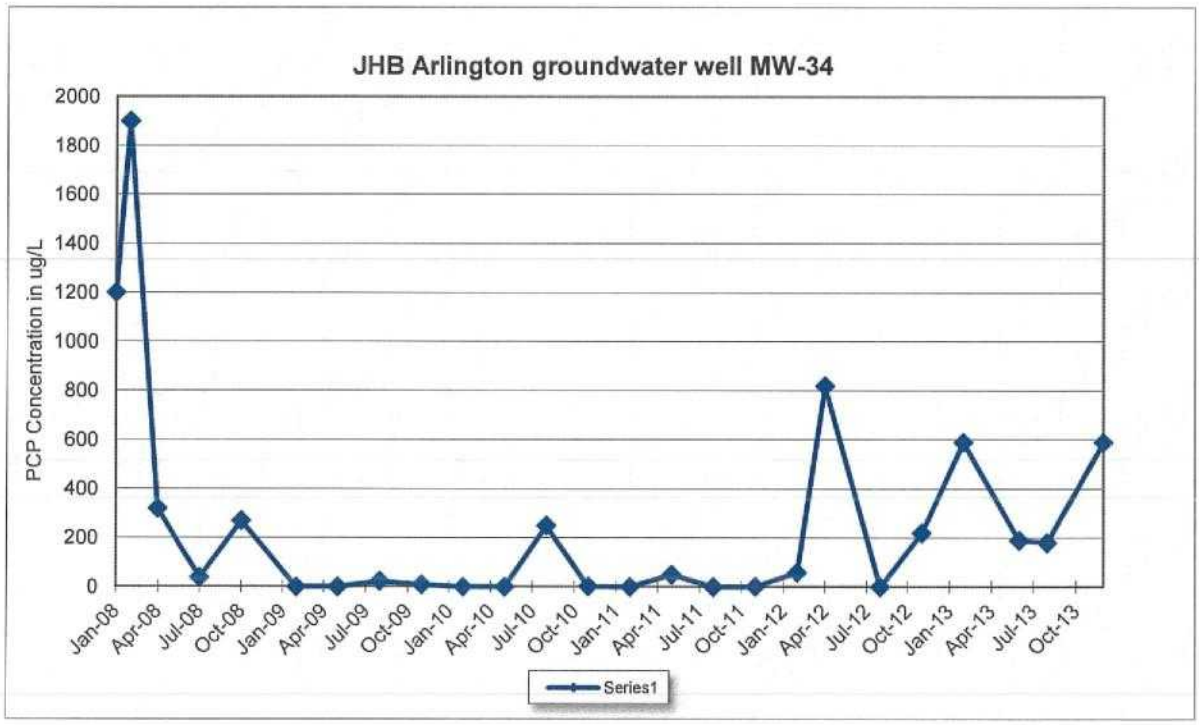

JHB Arlington groundwater well MW-29
PCP Concentration in ug/L
1600
1400
1200
1000
800
600
400
200
0
Jan-08
Apr-08
Jul-08
Oct-08
Jan-09
Apr-09
Jul-09
Oct-09
Jan-10
Apr-10
Jul-10
Oct-10
Jan-11
Apr-11
Jul-11
Oct-11
Jan-12
Apr-12
Jul-12
Oct-12
Jan-13
Apr-13
Jul-13
Oct-13
Series1

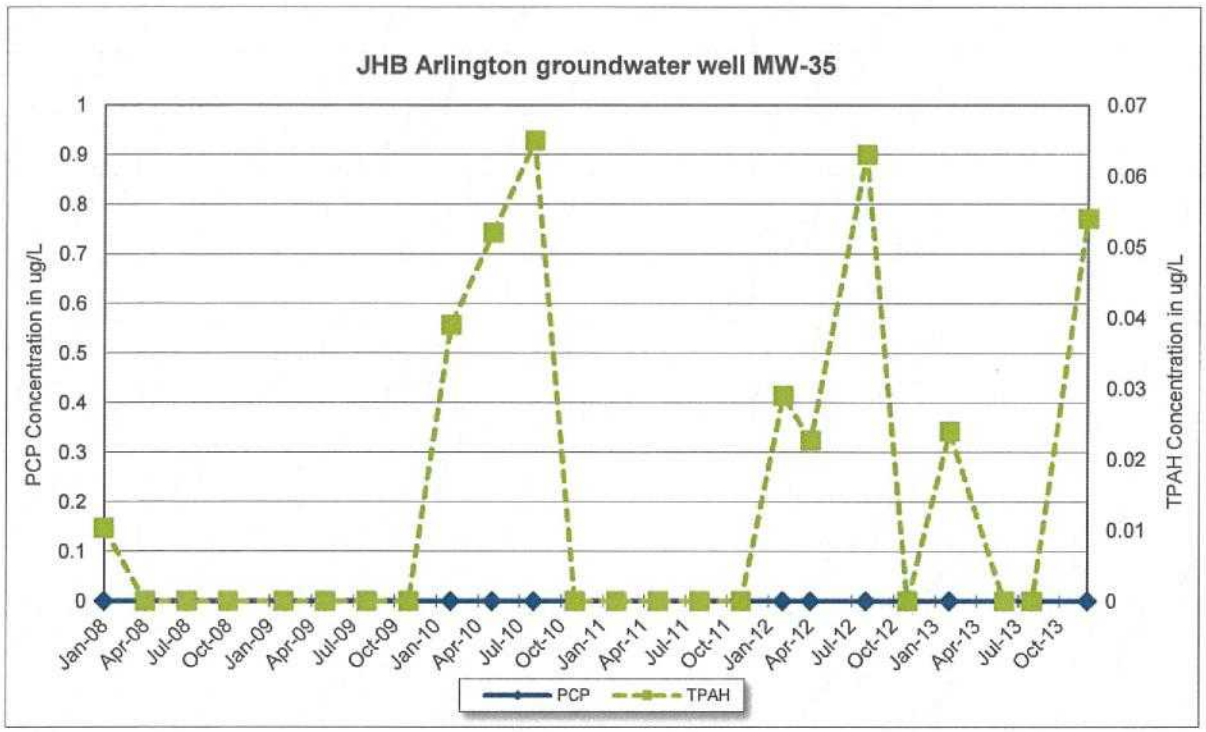

JHB Arlington groundwater well MW-30
PCP Concentration in ug/L
TPAH Concentration in ug/L
0.2
0.18
0.16
0.14
0.12
0.1
0.08
0.06
0.04
0.02
0
0.12
0.1
0.08
0.06
0.04
0.02
0
Jan-08
Apr-08
Jul-08
Oct-08
Jan-09
Apr-09
Jul-09
Oct-09
Jan-10
Apr-10
Jul-10
Oct-10
Jan-11
Apr-11
Jul-11
Oct-11
Jan-12
Apr-12
Jul-12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

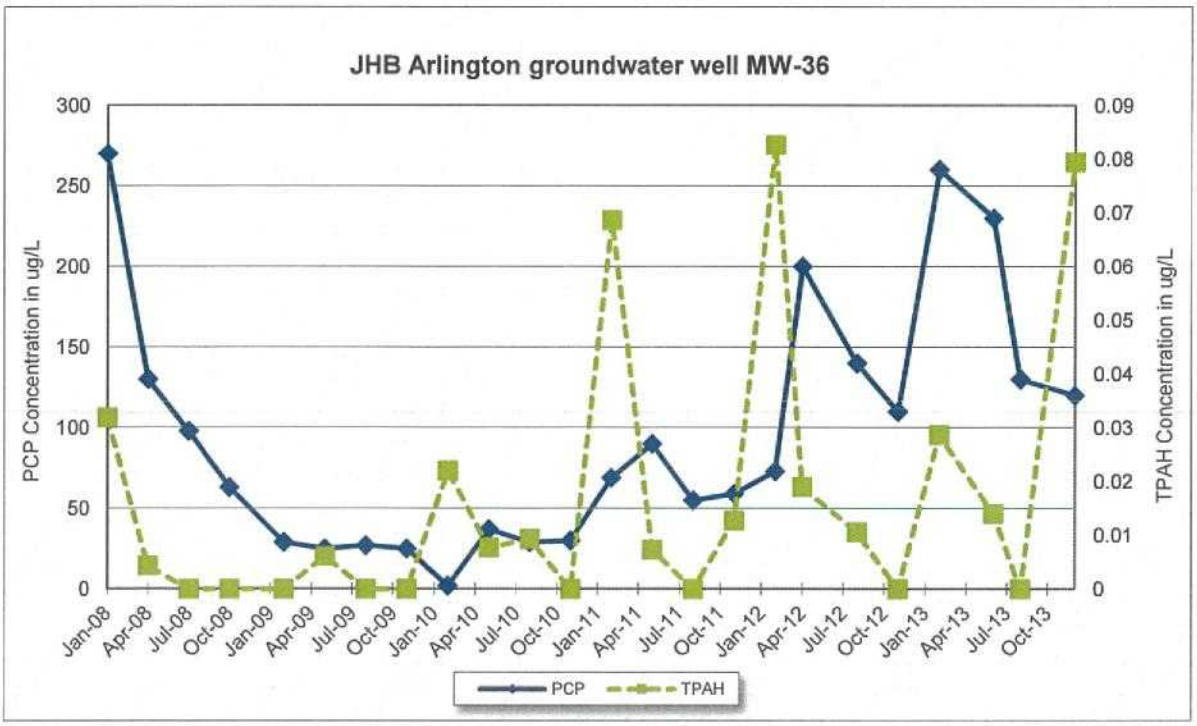

JHB Arlington groundwater well MW-31
PCP Concentration in ug/L
0.7
0.6
0.5
0.4
0.3
0.2
0.1
0
Jan-08
Apr-08
Jul-08
Oct-08
Jan-09
Apr-09
Jul-09
Oct-09
Jan-10
Apr-10
Jul-10
Oct-10
Jan-11
Apr-11
Jul-11
Oct-11
Jan-12
Apr-12
Jul-12
Oct-12
Jan-13
Apr-13
Jul-13
Oct-13
Series1


JHB Arlington groundwater well MW-32
PCP Concentration in ug/L
4000
3500
3000
2500
2000
1500
1000
500
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
Oct-13
Series1


JHB Arlington groundwater well MW-33
PCP Concentration in ug/L
700
600
500
400
300
200
100
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
Oct-13
Series1


JHB Arlington groundwater well MW-34
PCP Concentration in ug/L
2000
1800
1600
1400
1200
1000
800
600
400
200
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
Oct-13
Series1


JHB Arlington groundwater well MW-35
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
0.07
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
Oct-13
PCP
TPAH


JHB Arlington groundwater well MW-36
PCP Concentration in ug/L
TPAH Concentration in ug/L
300
250
200
150
100
50
0
0.09
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
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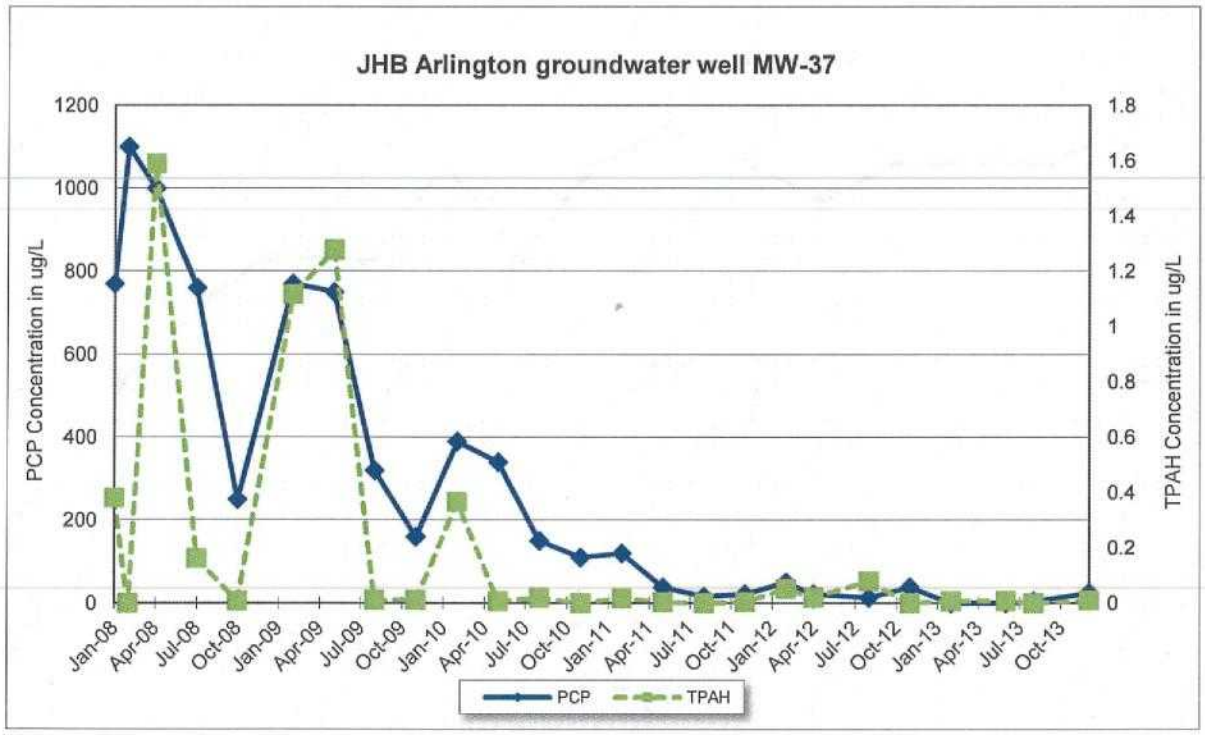
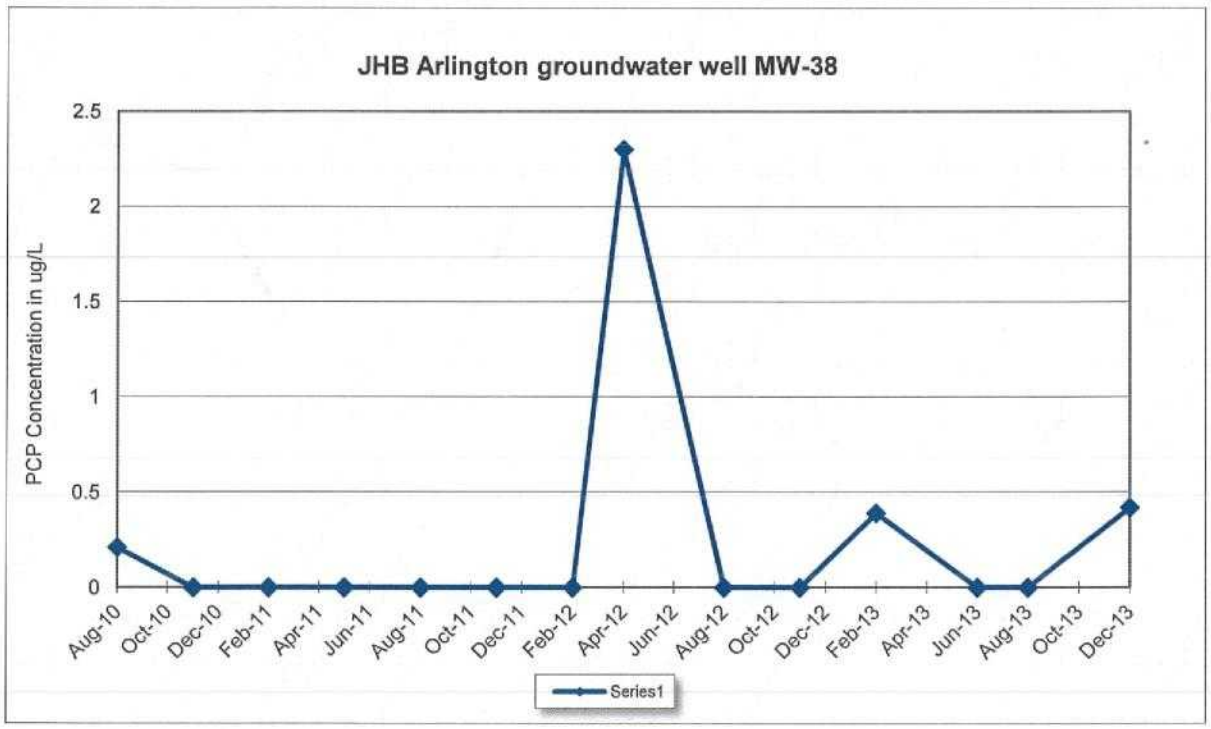
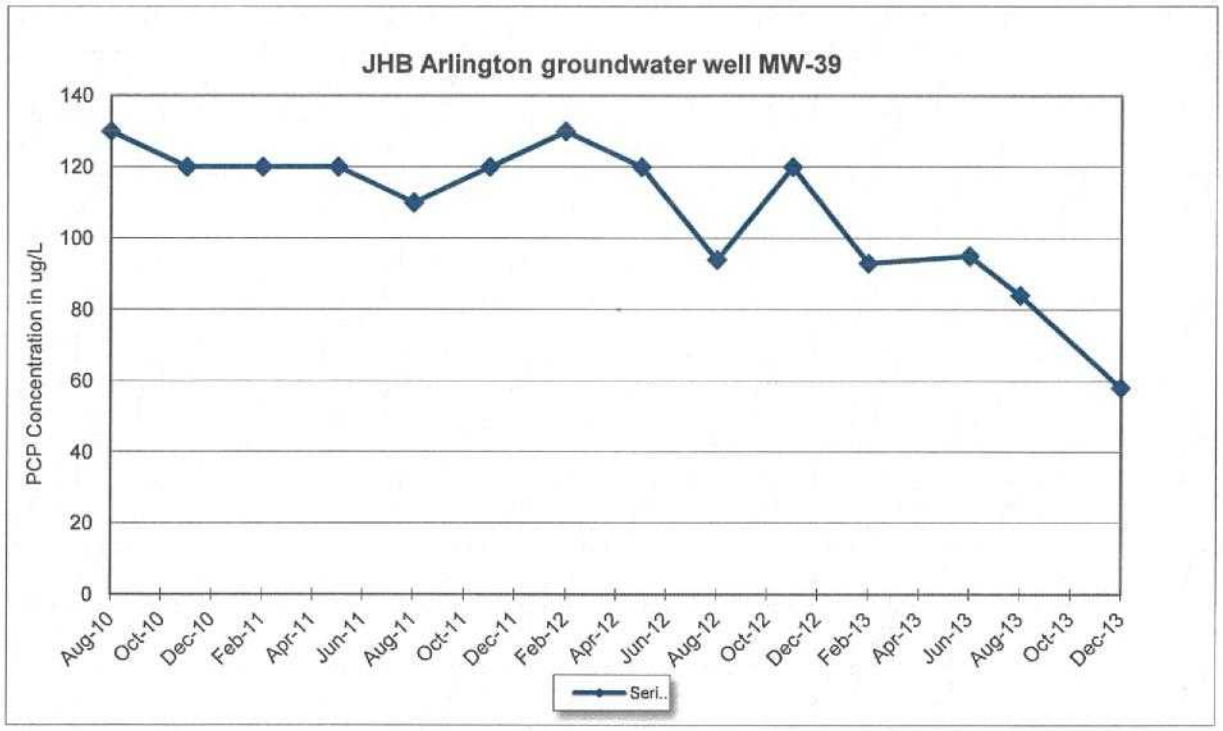
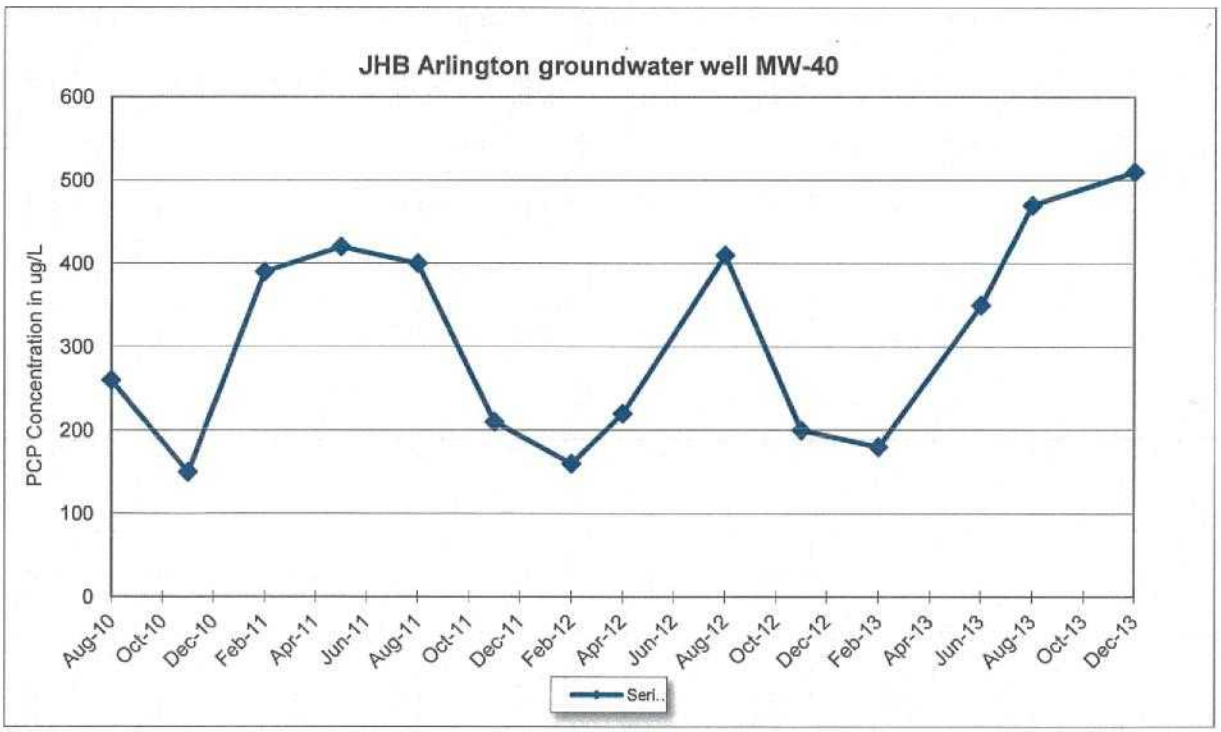
Jan-12
Apr-12
Jul-12
Oct-12
Jan-13
Apr-13
Jul-13
Oct-13
PCP
TPAH


JHB Arlington groundwater well MW-37
PCP Concentration in ug/L
TPAH Concentration in ug/L
1200
1000
800
600
400
200
0
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
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
Oct-13
PCP
TPAH


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
Oct-13
Dec-13
Series1


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
Oct-13
Dec-13
Seri..


JHB Arlington groundwater well MW-40
PCP Concentration in ug/L
600
500
400
300
200
100
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
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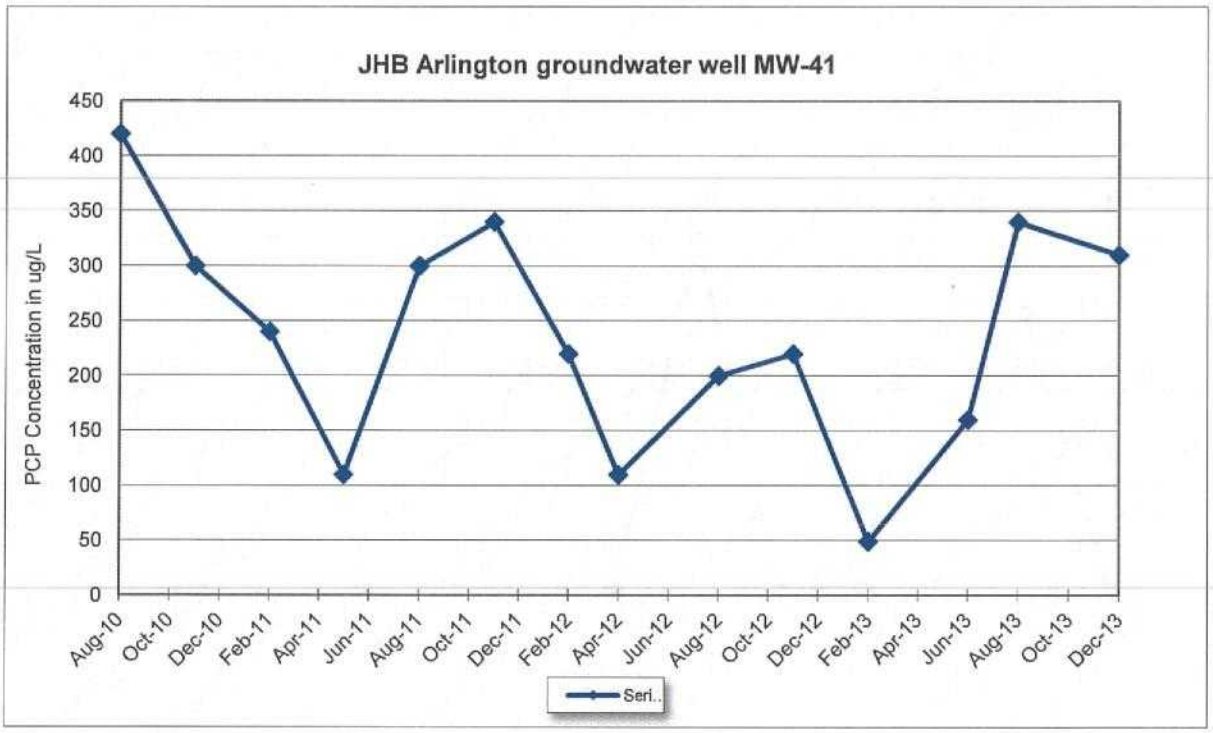
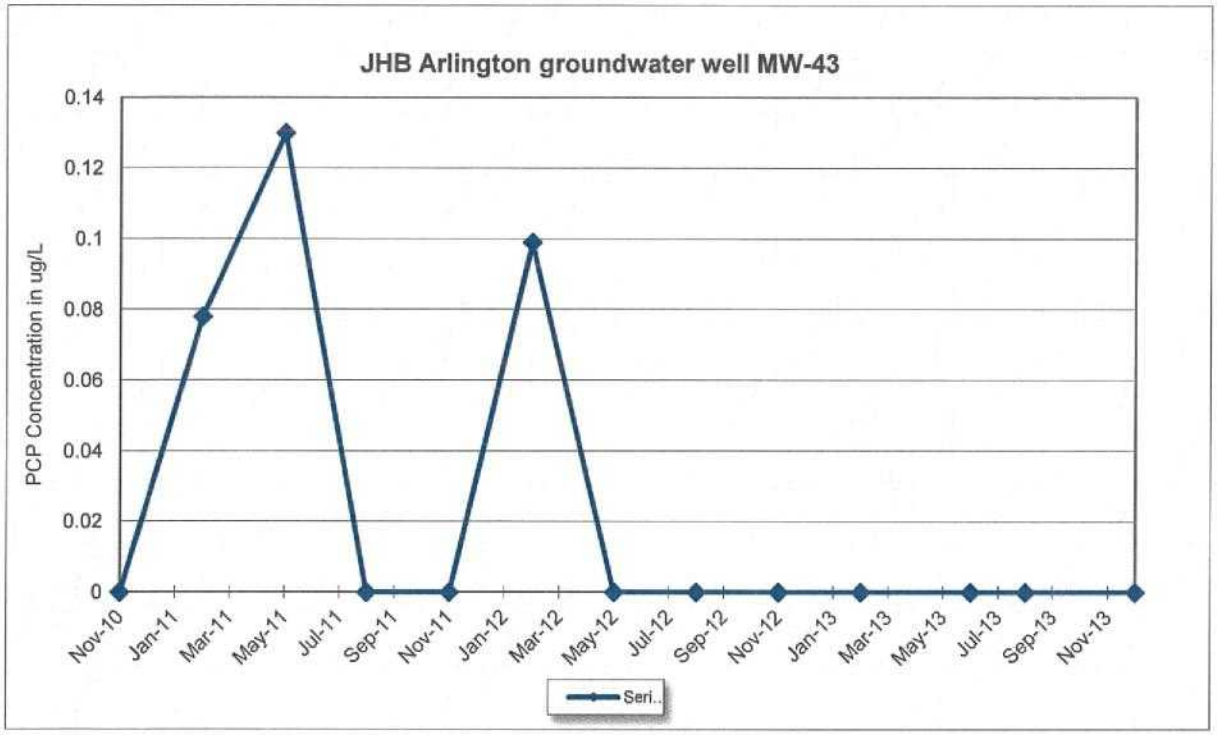
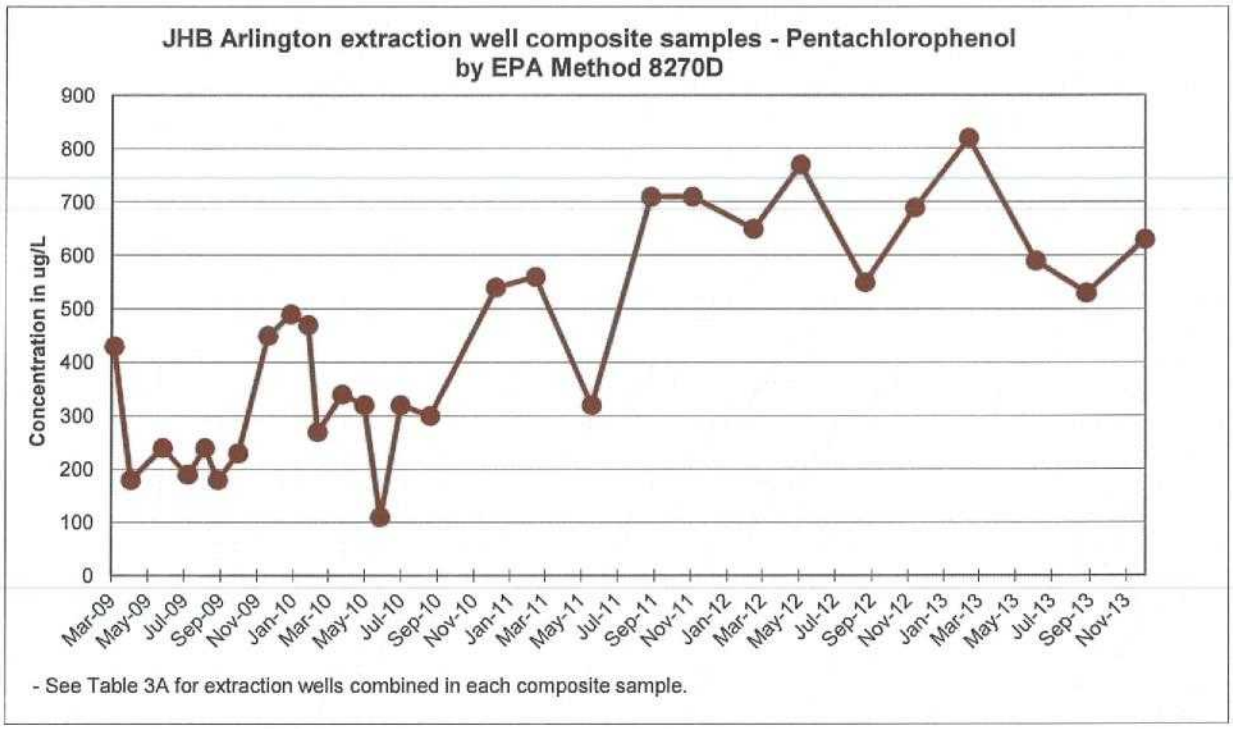
Aug-13
Oct-13
Dec-13
Seri..

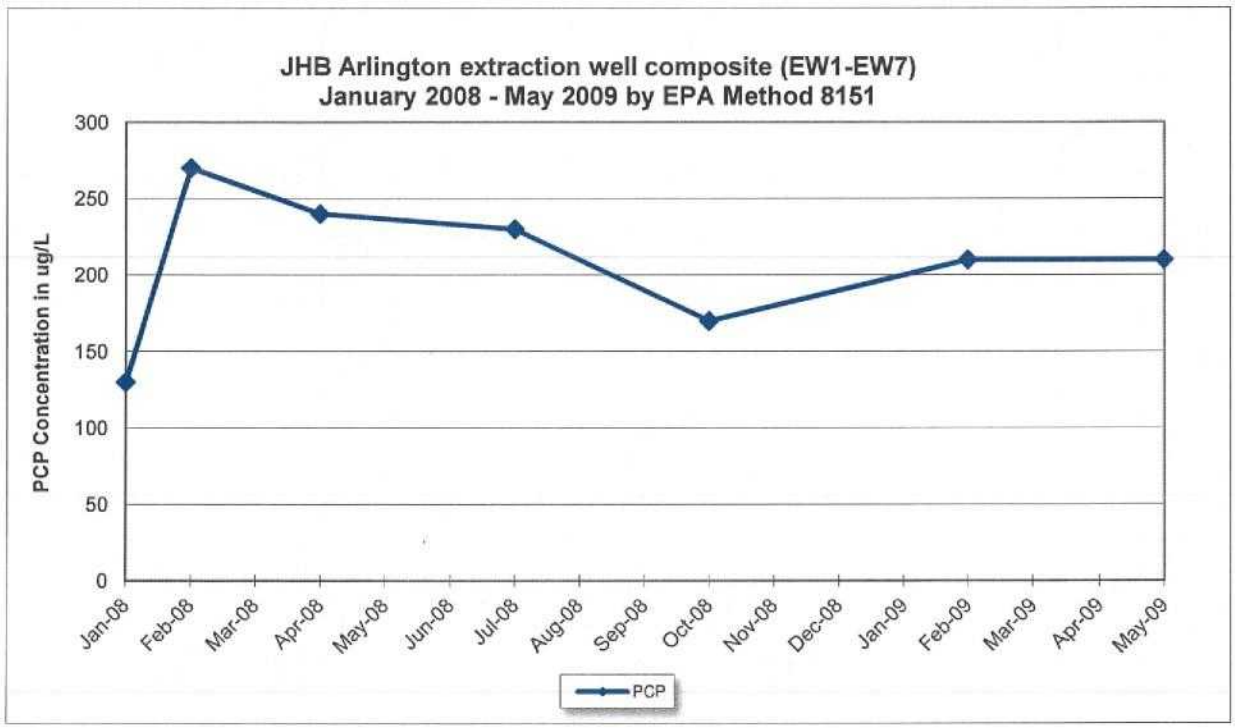

JHB Arlington groundwater well MW-41
PCP Concentration in ug/L
450
400
350
300
250
200
150
100
50
0
Aug-10
Oct-10
Dec-10
Feb-11
Apr-11
Jun-11
Aug-11
Oct-11
Dec-11
Feb-12
Apr-12
Jun-12
Aug-12
Oct-12
Dec-12
Feb-13
Apr-13
Jun-13
Aug-13
Oct-13
Dec-13
Seri..

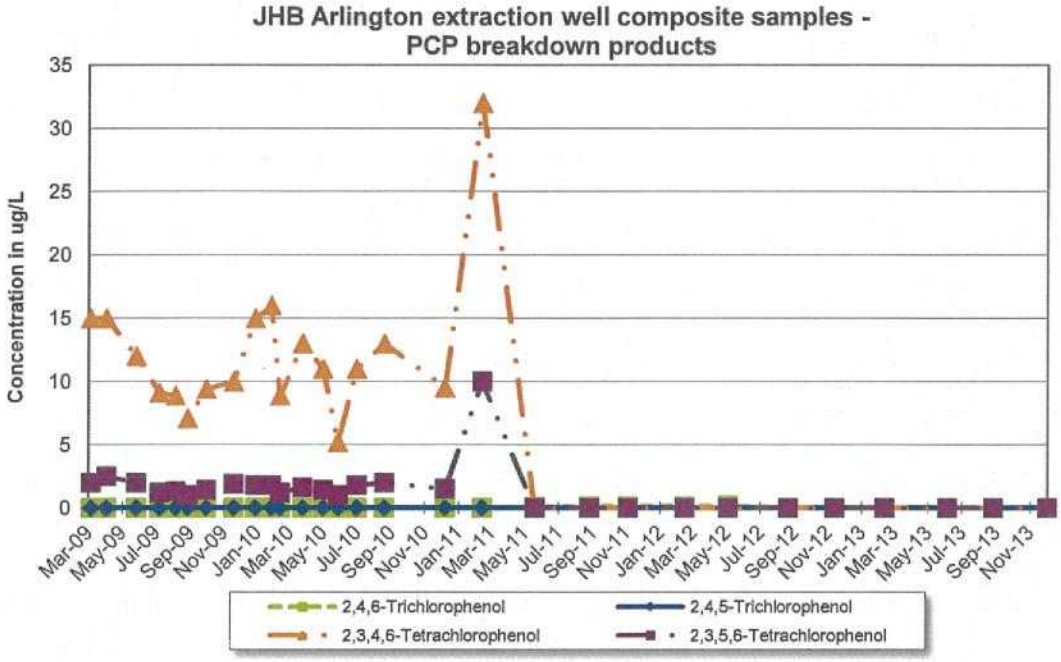
JHB Arlington groundwater well MW-42
PCP Concentration in ug/L
50
45
40
35
30
25
20
15
10
5
0
Nov-10
Jan-11
Mar-11
May-11
Jul-11
Sep-11
Nov-11
Jan-12
Mar-12
May-12
Jul-12
Sep-12
Nov-12
Jan-13
Mar-13
May-13
Jul-13
Sep-13
Nov-13
1.2


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
Sep-13
Nov-13
Seri...



- See Table 3A for extraction wells combined in each composite sample.





- See Table 3A for extraction wells combined in each composite sample.

APPENDIX B

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

(CD Contains Full Version of Lab Reports)

1317 South 13th Avenue
Kelso, WA 98626
T: +1 360 577 7222
F: +1 360 636 1068
www.alsglobal.com

December 19, 2013

Analytical Report for Service Request No: K1313167

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 December 04, 2013. For your reference, these analyses have been assigned our service request number K1313167.

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/ln

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.
Y	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	T704427-08-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.:**	K1313167
Project:	J.H. Baxter-Arlington	**Date Received:**	12/04/13
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 12/04/13. 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

Sample Confirmation Notes:
The confirmation comparison criteria of 40% difference for Pentachlorophenol was exceeded in some samples. The lower of the two values was reported when no evidence of a matrix interference was observed. The higher of the two values was reported when there was an apparent interference on the alternate column that produced the lower value.

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.

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 some 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 control criterion for Continuing Calibration Verification (CCV) MS11\1210F006.D: Anthracene. In accordance with the EPA Method, 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. No further corrective action was required.

Approved by _____

The following analytes were flagged as outside the control criterion for Continuing Calibration Verification (CCV) MS11\1211F002.D: Indeno(1,2,3-cd)pyrene, Dibenz(a,h)anthracene. In accordance with the EPA Method, 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. No further corrective action was required.

Elevated Detection Limits:
The detection limit was elevated for Acenaphthene in sample Field Blank Rinsate. 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 result was flagged to indicate the matrix interference.

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.

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# K1313167

COC Set ___ of ___

Page 1 OF 1 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
HCMW-7	12-2	1004		H_2O	1	X					
MW-15	12-2	1055			2	X	X				
MW-16	12-2	1217			2	X	X				
MW-17	12-2	1022			2	X	X				
MW-18	12-2	0820			2	X	X				
MW-2	12-2	0928			2	X	X				
MW-22	12-2	1322			1	X					
MW-23	12-1	1505			1	X					
MW-24	12-1	1650			1	X					
MW-25	12-1	1550			1	X					
MW-26	12-1	1610			1	X					

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
☒ 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: Please CALL; STEVE BARNETT W/ ANY Questions 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: 12-3-13 0945	Signature: [signature]	Date/Time: 12/4/13 (0001)	Signature	Date/Time	Signature	Date/Time
Printed Name: Scott Hielle	Firm: JH Baxter	Printed Name: [signature]	Firm: ALS	Printed Name	Firm	Printed Name	Firm

Columbia Analytical Services

29637

CHAIN OF CUSTODY

SR# K1313167

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: JH BAXTER/ARLINGTON

Project Number:

Project Manager:

Company Name: J.H. BAXTER

Comany Address: 35 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	12-1	1633		H_2O	1	X					
MW-28	12-2	1357			1	X					
MW-29	12-2	1242			1	X					
MW-30	12-3	0727			2	X	X				
MW-31	12-2	1102			1	X					
MW-32	12-1	1524			1	X					
MW-33	12-2	1304			1	X					
MW-34	12-2	1227			1	X					
MW-35	12-1	1623			2	X	X				
MW-36	12-1	1408			2	X	X				
MW-37	12-2	1136			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 503-657-3700

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

Relinquished By:		Received By:		Relinquished By:		Received By:	
Signature: [signature]	Date/Time: 12-3-13 0945	Signature: [signature]	Date/Time: 12/4/13 1000	Signature:	Date/Time:	Signature:	Date/Time:
Printed Name: SCOTT THEAKE	Firm: JH BAXTER	Printed Name: [illegible]	Firm: ACS	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# K1313167

COC Set ____ of ____

Page 1 OF 1 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 / 7D	8270D / PAH SIM				Remarks
MW-38	12-2	1203		H_2O	1	X					
MW-39	12-2	1045			1	X					
MW-40	12-2	1145			1	X					
MW-41	12-1	1422			1	X					
MW-42	12-2	0835			1	X					
MW-43	12-2	0931			1	X					
MW-44	12-1	1705			1	X					
Field Blank Rinsate	12-2	1430			2	X	X				
MW-3	12-1	1530			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 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 503-639-3400

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

Relinquished By:		Received By:		Relinquished By:		Received By:	
Signature: [signature]	Date/Time: 12-3-13 0945	Signature: [signature]	Date/Time: 12/4/13 1000	Signature	Date/Time	Signature	Date/Time
Printed Name: SCOTT THIELKE	Firm: JH BAXTER	Printed Name: ARMING	Firm: ACS	Printed Name	Firm	Printed Name	Firm

PC CV

Cooler Receipt and Preservation Form

Client / Project: JM BAXTER Service Request *K13* 13167

Received: 12/4/13 Opened: 12/4/13 By: AM Unloaded: 12/4/13 By: AM

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? 4 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
2.6	2.7	2.0	2.1	0.1	325		8041 0011 4065	
4.4	4.3	2.9	2.8	-0.1	298		8041 0011 4076	
3.5	3.5	2.8	2.8	0.0	334		8041 0011 4054	
1.8	1.8	0.7	0.7	0.0	316		8041 0011 3852	

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:
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: K1313167

Cover Page - Organic Analysis Data Package
Pentachlorophenol

Sample Name	Lab Code	Date Collected	Date Received
HCMW-7	K1313167-001	12/02/2013	12/04/2013
MW-15	K1313167-002	12/02/2013	12/04/2013
MW-16	K1313167-003	12/02/2013	12/04/2013
MW-17	K1313167-004	12/02/2013	12/04/2013
MW-18	K1313167-005	12/02/2013	12/04/2013
MW-2	K1313167-006	12/02/2013	12/04/2013
MW-22	K1313167-007	12/02/2013	12/04/2013
MW-23	K1313167-008	12/01/2013	12/04/2013
MW-24	K1313167-009	12/01/2013	12/04/2013
MW-25	K1313167-010	12/01/2013	12/04/2013
MW-26	K1313167-011	12/01/2013	12/04/2013
MW-27	K1313167-012	12/01/2013	12/04/2013
MW-28	K1313167-013	12/02/2013	12/04/2013
MW-29	K1313167-014	12/02/2013	12/04/2013
MW-30	K1313167-015	12/03/2013	12/04/2013
MW-31	K1313167-016	12/02/2013	12/04/2013
MW-32	K1313167-017	12/01/2013	12/04/2013
MW-33	K1313167-018	12/02/2013	12/04/2013
MW-34	K1313167-019	12/02/2013	12/04/2013
MW-35	K1313167-020	12/01/2013	12/04/2013
MW-36	K1313167-021	12/01/2013	12/04/2013
MW-37	K1313167-022	12/02/2013	12/04/2013
MW-38	K1313167-023	12/02/2013	12/04/2013
MW-39	K1313167-024	12/02/2013	12/04/2013
MW-40	K1313167-025	12/02/2013	12/04/2013
MW-41	K1313167-026	12/01/2013	12/04/2013
MW-42	K1313167-027	12/02/2013	12/04/2013
MW-43	K1313167-028	12/02/2013	12/04/2013
MW-44	K1313167-029	12/01/2013	12/04/2013
Field Blank Rinsate	K1313167-030	12/02/2013	12/04/2013
MW-3	K1313167-031	12/01/2013	12/04/2013
MW-35MS	KWG1313484-1	12/01/2013	12/04/2013
MW-35DMS	KWG1313484-2	12/01/2013	12/04/2013

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: _____ Title: _____

ALS Group USA, Corp. dba ALS Environmental

Analytical Results

Client:	JH Baxter & Company	**Service Request:**	K1313167
Project:	J.H. Baxter-Arlington	**Date Collected:**	12/02/2013
Sample Matrix:	Water	**Date Received:**	12/04/2013

Pentachlorophenol

Sample Name:	HCMW-7	**Units:**	ug/L
Lab Code:	K1313167-001	**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	ND	Ui	0.50	0.19	1	12/04/13	12/06/13	KWG1313484	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
4-Bromo-2,6-dichlorophenol	74	33-114	12/06/13	Acceptable

Comments:

ALS Group USA, Corp. dba ALS Environmental

Analytical Results

Client:	JH Baxter & Company	**Service Request:**	K1313167
Project:	J.H. Baxter-Arlington	**Date Collected:**	12/02/2013
Sample Matrix:	Water	**Date Received:**	12/04/2013

Pentachlorophenol

Sample Name:	MW-15	**Units:**	ug/L
Lab Code:	K1313167-002	**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	Ui	0.50	0.25	1	12/04/13	12/06/13	KWG1313484	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
4-Bromo-2,6-dichlorophenol	71	33-114	12/06/13	Acceptable

Comments:

ALS Group USA, Corp. dba ALS Environmental

Analytical Results

Client:	JH Baxter & Company	**Service Request:**	K1313167
Project:	J.H. Baxter-Arlington	**Date Collected:**	12/02/2013
Sample Matrix:	Water	**Date Received:**	12/04/2013

Pentachlorophenol

Sample Name:	MW-16	**Units:**	ug/L
Lab Code:	K1313167-003	**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	ND	Ui	0.50	0.17	1	12/04/13	12/06/13	KWG1313484	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
4-Bromo-2,6-dichlorophenol	74	33-114	12/06/13	Acceptable

Comments:

ALS Group USA, Corp. dba ALS Environmental

Analytical Results

Client:	JH Baxter & Company	**Service Request:**	K1313167
Project:	J.H. Baxter-Arlington	**Date Collected:**	12/02/2013
Sample Matrix:	Water	**Date Received:**	12/04/2013

Pentachlorophenol

Sample Name:	MW-17	**Units:**	ug/L
Lab Code:	K1313167-004	**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	0.20	1	12/04/13	12/06/13	KWG1313484	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
4-Bromo-2,6-dichlorophenol	77	33-114	12/06/13	Acceptable

Comments:

ALS Group USA, Corp. dba ALS Environmental

Analytical Results

Client:	JH Baxter & Company	**Service Request:**	K1313167
Project:	J.H. Baxter-Arlington	**Date Collected:**	12/02/2013
Sample Matrix:	Water	**Date Received:**	12/04/2013

Pentachlorophenol

Sample Name:	MW-18	**Units:**	ug/L
Lab Code:	K1313167-005	**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	12/04/13	12/06/13	KWG1313484	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
4-Bromo-2,6-dichlorophenol	75	33-114	12/06/13	Acceptable

Comments:

ALS Group USA, Corp. dba ALS Environmental

Analytical Results

Client:	JH Baxter & Company	**Service Request:**	K1313167
Project:	J.H. Baxter-Arlington	**Date Collected:**	12/02/2013
Sample Matrix:	Water	**Date Received:**	12/04/2013

Pentachlorophenol

Sample Name:	MW-2	**Units:**	ug/L
Lab Code:	K1313167-006	**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	12/04/13	12/06/13	KWG1313484	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
4-Bromo-2,6-dichlorophenol	70	33-114	12/06/13	Acceptable

Comments:

ALS Group USA, Corp. dba ALS Environmental

Analytical Results

Client:	JH Baxter & Company	**Service Request:**	K1313167
Project:	J.H. Baxter-Arlington	**Date Collected:**	12/02/2013
Sample Matrix:	Water	**Date Received:**	12/04/2013

Pentachlorophenol

Sample Name:	MW-22	**Units:**	ug/L
Lab Code:	K1313167-007	**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	12/04/13	12/09/13	KWG1313484	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
4-Bromo-2,6-dichlorophenol	79	33-114	12/06/13	Acceptable

Comments:

ALS Group USA, Corp. dba ALS Environmental

Analytical Results

Client:	JH Baxter & Company	**Service Request:**	K1313167
Project:	J.H. Baxter-Arlington	**Date Collected:**	12/01/2013
Sample Matrix:	Water	**Date Received:**	12/04/2013

Pentachlorophenol

Sample Name:	MW-23	**Units:**	ug/L
Lab Code:	K1313167-008	**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	**320**	D	25	8.0	50	12/04/13	12/11/13	KWG1313484	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
4-Bromo-2,6-dichlorophenol	76	33-114	12/06/13	Acceptable

Comments:

ALS Group USA, Corp. dba ALS Environmental

Analytical Results

Client:	JH Baxter & Company	**Service Request:**	K1313167
Project:	J.H. Baxter-Arlington	**Date Collected:**	12/01/2013
Sample Matrix:	Water	**Date Received:**	12/04/2013

Pentachlorophenol

Sample Name:	MW-24	**Units:**	ug/L
Lab Code:	K1313167-009	**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	**230**	D	5.0	1.6	10	12/04/13	12/11/13	KWG1313484	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
4-Bromo-2,6-dichlorophenol	79	33-114	12/06/13	Acceptable

Comments:

ALS Group USA, Corp. dba ALS Environmental

Analytical Results

Client:	JH Baxter & Company	**Service Request:**	K1313167
Project:	J.H. Baxter-Arlington	**Date Collected:**	12/01/2013
Sample Matrix:	Water	**Date Received:**	12/04/2013

Pentachlorophenol

Sample Name:	MW-25	**Units:**	ug/L
Lab Code:	K1313167-010	**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	**430**	D	50	16	100	12/04/13	12/11/13	KWG1313484	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
4-Bromo-2,6-dichlorophenol	78	33-114	12/06/13	Acceptable

Comments:

ALS Group USA, Corp. dba ALS Environmental

Analytical Results

Client:	JH Baxter & Company	**Service Request:**	K1313167
Project:	J.H. Baxter-Arlington	**Date Collected:**	12/01/2013
Sample Matrix:	Water	**Date Received:**	12/04/2013

Pentachlorophenol

Sample Name:	MW-26	**Units:**	ug/L
Lab Code:	K1313167-011	**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	**0.58**	P	0.50	0.16	1	12/04/13	12/06/13	KWG1313484	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
4-Bromo-2,6-dichlorophenol	78	33-114	12/06/13	Acceptable

Comments:

ALS Group USA, Corp. dba ALS Environmental

Analytical Results

Client:	JH Baxter & Company	**Service Request:**	K1313167
Project:	J.H. Baxter-Arlington	**Date Collected:**	12/01/2013
Sample Matrix:	Water	**Date Received:**	12/04/2013

Pentachlorophenol

Sample Name:	MW-27	**Units:**	ug/L
Lab Code:	K1313167-012	**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	**0.52**	P	0.50	0.16	1	12/04/13	12/06/13	KWG1313484	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
4-Bromo-2,6-dichlorophenol	79	33-114	12/06/13	Acceptable

Comments:

ALS Group USA, Corp. dba ALS Environmental

Analytical Results

Client:	JH Baxter & Company	**Service Request:**	K1313167
Project:	J.H. Baxter-Arlington	**Date Collected:**	12/02/2013
Sample Matrix:	Water	**Date Received:**	12/04/2013

Pentachlorophenol

Sample Name:	MW-28	**Units:**	ug/L
Lab Code:	K1313167-013	**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	5.0	1.6	10	12/04/13	12/09/13	KWG1313484	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
4-Bromo-2,6-dichlorophenol	80	33-114	12/06/13	Acceptable

Comments:

ALS Group USA, Corp. dba ALS Environmental

Analytical Results

Client:	JH Baxter & Company	**Service Request:**	K1313167
Project:	J.H. Baxter-Arlington	**Date Collected:**	12/02/2013
Sample Matrix:	Water	**Date Received:**	12/04/2013

Pentachlorophenol

Sample Name:	MW-29	**Units:**	ug/L
Lab Code:	K1313167-014	**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	99	D	5.0	1.6	10	12/04/13	12/09/13	KWG1313484	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
4-Bromo-2,6-dichlorophenol	74	33-114	12/06/13	Acceptable

Comments:

ALS Group USA, Corp. dba ALS Environmental

Analytical Results

Client:	JH Baxter & Company	**Service Request:**	K1313167
Project:	J.H. Baxter-Arlington	**Date Collected:**	12/03/2013
Sample Matrix:	Water	**Date Received:**	12/04/2013

Pentachlorophenol

Sample Name:	MW-30	**Units:**	ug/L
Lab Code:	K1313167-015	**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	12/04/13	12/06/13	KWG1313484	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
4-Bromo-2,6-dichlorophenol	80	33-114	12/06/13	Acceptable

Comments:

ALS Group USA, Corp. dba ALS Environmental

Analytical Results

Client:	JH Baxter & Company	**Service Request:**	K1313167
Project:	J.H. Baxter-Arlington	**Date Collected:**	12/02/2013
Sample Matrix:	Water	**Date Received:**	12/04/2013

Pentachlorophenol

Sample Name:	MW-31	**Units:**	ug/L
Lab Code:	K1313167-016	**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	**0.50**	P	0.50	0.16	1	12/04/13	12/06/13	KWG1313484	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
4-Bromo-2,6-dichlorophenol	77	33-114	12/06/13	Acceptable

Comments:

ALS Group USA, Corp. dba ALS Environmental

Analytical Results

Client:	JH Baxter & Company	**Service Request:**	K1313167
Project:	J.H. Baxter-Arlington	**Date Collected:**	12/01/2013
Sample Matrix:	Water	**Date Received:**	12/04/2013

Pentachlorophenol

Sample Name:	MW-32	**Units:**	ug/L
Lab Code:	K1313167-017	**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	**1200**	D	50	16	100	12/04/13	12/09/13	KWG1313484	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
4-Bromo-2,6-dichlorophenol	79	33-114	12/06/13	Acceptable

Comments:

ALS Group USA, Corp. dba ALS Environmental

Analytical Results

Client:	JH Baxter & Company	**Service Request:**	K1313167
Project:	J.H. Baxter-Arlington	**Date Collected:**	12/02/2013
Sample Matrix:	Water	**Date Received:**	12/04/2013

Pentachlorophenol

Sample Name:	MW-33	**Units:**	ug/L
Lab Code:	K1313167-018	**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	**12**		0.50	0.16	1	12/04/13	12/06/13	KWG1313484	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
4-Bromo-2,6-dichlorophenol	72	33-114	12/06/13	Acceptable

Comments:

ALS Group USA, Corp. dba ALS Environmental

Analytical Results

Client:	JH Baxter & Company	**Service Request:**	K1313167
Project:	J.H. Baxter-Arlington	**Date Collected:**	12/02/2013
Sample Matrix:	Water	**Date Received:**	12/04/2013

Pentachlorophenol

Sample Name:	MW-34	**Units:**	ug/L
Lab Code:	K1313167-019	**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	**590**	D	50	16	100	12/04/13	12/09/13	KWG1313484	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
4-Bromo-2,6-dichlorophenol	80	33-114	12/06/13	Acceptable

Comments:

ALS Group USA, Corp. dba ALS Environmental

Analytical Results

Client:	JH Baxter & Company	**Service Request:**	K1313167
Project:	J.H. Baxter-Arlington	**Date Collected:**	12/01/2013
Sample Matrix:	Water	**Date Received:**	12/04/2013

Pentachlorophenol

Sample Name:	MW-35	**Units:**	ug/L
Lab Code:	K1313167-020	**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	12/04/13	12/06/13	KWG1313484	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
4-Bromo-2,6-dichlorophenol	85	33-114	12/06/13	Acceptable

Comments:

ALS Group USA, Corp. dba ALS Environmental

Analytical Results

Client:	JH Baxter & Company	**Service Request:**	K1313167
Project:	J.H. Baxter-Arlington	**Date Collected:**	12/01/2013
Sample Matrix:	Water	**Date Received:**	12/04/2013

Pentachlorophenol

Sample Name:	MW-36	**Units:**	ug/L
Lab Code:	K1313167-021	**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	**120**	D	5.0	1.6	10	12/04/13	12/09/13	KWG1313485	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
4-Bromo-2,6-dichlorophenol	85	33-114	12/07/13	Acceptable

Comments:

ALS Group USA, Corp. dba ALS Environmental

Analytical Results

Client:	JH Baxter & Company	**Service Request:**	K1313167
Project:	J.H. Baxter-Arlington	**Date Collected:**	12/02/2013
Sample Matrix:	Water	**Date Received:**	12/04/2013

Pentachlorophenol

Sample Name:	MW-37	**Units:**	ug/L
Lab Code:	K1313167-022	**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	**24**		0.50	0.16	1	12/04/13	12/07/13	KWG1313485	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
4-Bromo-2,6-dichlorophenol	84	33-114	12/07/13	Acceptable

Comments:

ALS Group USA, Corp. dba ALS Environmental

Analytical Results

Client:	JH Baxter & Company	**Service Request:**	K1313167
Project:	J.H. Baxter-Arlington	**Date Collected:**	12/02/2013
Sample Matrix:	Water	**Date Received:**	12/04/2013

Pentachlorophenol

Sample Name:	MW-38	**Units:**	ug/L
Lab Code:	K1313167-023	**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	**0.42**	JP	0.50	0.16	1	12/04/13	12/07/13	KWG1313485	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
4-Bromo-2,6-dichlorophenol	88	33-114	12/07/13	Acceptable

Comments:

ALS Group USA, Corp. dba ALS Environmental

Analytical Results

Client:	JH Baxter & Company	**Service Request:**	K1313167
Project:	J.H. Baxter-Arlington	**Date Collected:**	12/02/2013
Sample Matrix:	Water	**Date Received:**	12/04/2013

Pentachlorophenol

Sample Name:	MW-39	**Units:**	ug/L
Lab Code:	K1313167-024	**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	**58**	D	5.0	1.6	10	12/04/13	12/09/13	KWG1313485	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
4-Bromo-2,6-dichlorophenol	87	33-114	12/07/13	Acceptable

Comments:

ALS Group USA, Corp. dba ALS Environmental

Analytical Results

Client:	JH Baxter & Company	**Service Request:**	K1313167
Project:	J.H. Baxter-Arlington	**Date Collected:**	12/02/2013
Sample Matrix:	Water	**Date Received:**	12/04/2013

Pentachlorophenol

Sample Name:	MW-40	**Units:**	ug/L
Lab Code:	K1313167-025	**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	510	D	50	16	100	12/04/13	12/10/13	KWG1313485	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
4-Bromo-2,6-dichlorophenol	90	33-114	12/07/13	Acceptable

Comments:

ALS Group USA, Corp. dba ALS Environmental

Analytical Results

Client:	JH Baxter & Company	**Service Request:**	K1313167
Project:	J.H. Baxter-Arlington	**Date Collected:**	12/01/2013
Sample Matrix:	Water	**Date Received:**	12/04/2013

Pentachlorophenol

Sample Name:	MW-41	**Units:**	ug/L
Lab Code:	K1313167-026	**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	**310**	D	50	16	100	12/04/13	12/10/13	KWG1313485	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
4-Bromo-2,6-dichlorophenol	78	33-114	12/07/13	Acceptable

Comments:

ALS Group USA, Corp. dba ALS Environmental

Analytical Results

Client:	JH Baxter & Company	**Service Request:**	K1313167
Project:	J.H. Baxter-Arlington	**Date Collected:**	12/02/2013
Sample Matrix:	Water	**Date Received:**	12/04/2013

Pentachlorophenol

Sample Name:	MW-42	**Units:**	ug/L
Lab Code:	K1313167-027	**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	**5.6**		0.50	0.16	1	12/04/13	12/07/13	KWG1313485	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
4-Bromo-2,6-dichlorophenol	83	33-114	12/07/13	Acceptable

Comments:

ALS Group USA, Corp. dba ALS Environmental

Analytical Results

Client:	JH Baxter & Company	**Service Request:**	K1313167
Project:	J.H. Baxter-Arlington	**Date Collected:**	12/02/2013
Sample Matrix:	Water	**Date Received:**	12/04/2013

Pentachlorophenol

Sample Name:	MW-43	**Units:**	ug/L
Lab Code:	K1313167-028	**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	U	0.50	0.16	1	12/04/13	12/07/13	KWG1313485	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
4-Bromo-2,6-dichlorophenol	85	33-114	12/07/13	Acceptable

Comments:

ALS Group USA, Corp. dba ALS Environmental

Analytical Results

Client:	JH Baxter & Company	**Service Request:**	K1313167
Project:	J.H. Baxter-Arlington	**Date Collected:**	12/01/2013
Sample Matrix:	Water	**Date Received:**	12/04/2013

Pentachlorophenol

Sample Name:	MW-44	**Units:**	ug/L
Lab Code:	K1313167-029	**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	**350**	D	50	16	100	12/04/13	12/10/13	KWG1313485	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
4-Bromo-2,6-dichlorophenol	75	33-114	12/07/13	Acceptable

Comments:

ALS Group USA, Corp. dba ALS Environmental

Analytical Results

Client:	JH Baxter & Company	**Service Request:**	K1313167
Project:	J.H. Baxter-Arlington	**Date Collected:**	12/02/2013
Sample Matrix:	Water	**Date Received:**	12/04/2013

Pentachlorophenol

Sample Name:	Field Blank Rinsate	**Units:**	ug/L
Lab Code:	K1313167-030	**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	U	0.50	0.16	1	12/04/13	12/07/13	KWG1313485	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
4-Bromo-2,6-dichlorophenol	76	33-114	12/07/13	Acceptable

Comments:

ALS Group USA, Corp. dba ALS Environmental

Analytical Results

Client:	JH Baxter & Company	**Service Request:**	K1313167
Project:	J.H. Baxter-Arlington	**Date Collected:**	12/01/2013
Sample Matrix:	Water	**Date Received:**	12/04/2013

Pentachlorophenol

Sample Name:	MW-3	**Units:**	ug/L
Lab Code:	K1313167-031	**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	**100**	D	5.0	1.6	10	12/04/13	12/10/13	KWG1313485	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
4-Bromo-2,6-dichlorophenol	73	33-114	12/07/13	Acceptable

Comments:

ALS Group USA, Corp. dba ALS Environmental

Analytical Results

Client:	JH Baxter & Company	**Service Request:**	K1313167
Project:	J.H. Baxter-Arlington	**Date Collected:**	NA
Sample Matrix:	Water	**Date Received:**	NA

Pentachlorophenol

Sample Name:	Method Blank	**Units:**	ug/L
Lab Code:	KWG1313484-4	**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	12/04/13	12/06/13	KWG1313484	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
4-Bromo-2,6-dichlorophenol	68	33-114	12/06/13	Acceptable

Comments:

ALS Group USA, Corp. dba ALS Environmental

Analytical Results

Client:	JH Baxter & Company	**Service Request:**	K1313167
Project:	J.H. Baxter-Arlington	**Date Collected:**	NA
Sample Matrix:	Water	**Date Received:**	NA

Pentachlorophenol

Sample Name:	Method Blank	**Units:**	ug/L
Lab Code:	KWG1313485-4	**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	12/04/13	12/07/13	KWG1313485	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
4-Bromo-2,6-dichlorophenol	82	33-114	12/07/13	Acceptable

Comments:

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

Service Request: K1313167

Surrogate Recovery Summary
Pentachlorophenol

Extraction Method: Method
Analysis Method: 8151M

Units: Percent
Level: Low

Sample Name	Lab Code	Sur1
HCMW-7	K1313167-001	74
MW-15	K1313167-002	71
MW-16	K1313167-003	74
MW-17	K1313167-004	77
MW-18	K1313167-005	75
MW-2	K1313167-006	70
MW-22	K1313167-007	79
MW-23	K1313167-008	76
MW-24	K1313167-009	79
MW-25	K1313167-010	78
MW-26	K1313167-011	78
MW-27	K1313167-012	79
MW-28	K1313167-013	80
MW-29	K1313167-014	74
MW-30	K1313167-015	80
MW-31	K1313167-016	77
MW-32	K1313167-017	79
MW-33	K1313167-018	72
MW-34	K1313167-019	80
MW-35	K1313167-020	85
MW-36	K1313167-021	85
MW-37	K1313167-022	84
MW-38	K1313167-023	88
MW-39	K1313167-024	87
MW-40	K1313167-025	90
MW-41	K1313167-026	78
MW-42	K1313167-027	83
MW-43	K1313167-028	85
MW-44	K1313167-029	75
Field Blank Rinsate	K1313167-030	76
MW-3	K1313167-031	73
Batch QC	K1313169-001	76
Method Blank	KWG1313484-4	68
Method Blank	KWG1313485-4	82

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: K1313167

Surrogate Recovery Summary
Pentachlorophenol

Extraction Method: Method
Analysis Method: 8151M

Units: Percent
Level: Low

Sample Name	Lab Code	Sur1
MW-35MS	KWG1313484-1	78
MW-35DMS	KWG1313484-2	66
Batch QCMS	KWG1313485-1	78
Batch QCDMS	KWG1313485-2	78
Lab Control Sample	KWG1313484-3	73
Lab Control Sample	KWG1313485-3	77

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:**	K1313167
Project:	J.H. Baxter-Arlington	**Date Extracted:**	12/04/2013
Sample Matrix:	Water	**Date Analyzed:**	12/07/2013 - 12/10/2013

Matrix Spike/Duplicate Matrix Spike Summary
Pentachlorophenol

Sample Name:	MW-35	**Units:**	ug/L
Lab Code:	K1313167-020	**Basis:**	NA
Extraction Method:	Method	**Level:**	Low
Analysis Method:	8151M	**Extraction Lot:**	KWG1313484

		MW-35MS KWG1313484-1 Matrix Spike			MW-35DMS KWG1313484-2 Duplicate Matrix Spike					
Analyte Name	**Sample Result**	**Result**	**Spike Amount**	**%Rec**	**Result**	**Spike Amount**	**%Rec**	**%Rec Limits**	**RPD**	**RPD Limit**
Pentachlorophenol	ND	9.21	10.0	92	7.72	10.0	77	40-106	18	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.

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QA/QC Report

Client:	JH Baxter & Company	**Service Request:**	K1313167
Project:	J.H. Baxter-Arlington	**Date Extracted:**	12/04/2013
Sample Matrix:	Water	**Date Analyzed:**	12/07/2013

Matrix Spike/Duplicate Matrix Spike Summary
Pentachlorophenol

Sample Name:	Batch QC	**Units:**	ug/L
Lab Code:	K1313169-001	**Basis:**	NA
Extraction Method:	Method	**Level:**	Low
Analysis Method:	8151M	**Extraction Lot:**	KWG1313485

		Batch QCMS KWG1313485-1 Matrix Spike			Batch QCDMS KWG1313485-2 Duplicate Matrix Spike					
Analyte Name	**Sample Result**	**Result**	**Spike Amount**	**%Rec**	**Result**	**Spike Amount**	**%Rec**	**%Rec Limits**	**RPD**	**RPD Limit**
Pentachlorophenol	630	346E	10.0	-2842 #	346E	10.0	-2842 #	40-106	0	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.

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QA/QC Report

Client:	JH Baxter & Company	**Service Request:**	K1313167
Project:	J.H. Baxter-Arlington	**Date Extracted:**	12/04/2013
Sample Matrix:	Water	**Date Analyzed:**	12/06/2013

Lab Control Spike Summary
Pentachlorophenol

Extraction Method:	Method	**Units:**	ug/L
Analysis Method:	8151M	**Basis:**	NA
		Level:	Low
		Extraction Lot:	KWG1313484

	Lab Control Sample KWG1313484-3 Lab Control Spike			
Analyte Name	**Result**	**Spike Amount**	**%Rec**	**%Rec Limits**
Pentachlorophenol	7.28	10.0	73	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.

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QA/QC Report

Client:	JH Baxter & Company	**Service Request:**	K1313167
Project:	J.H. Baxter-Arlington	**Date Extracted:**	12/04/2013
Sample Matrix:	Water	**Date Analyzed:**	12/07/2013

Lab Control Spike Summary
Pentachlorophenol

Extraction Method:	Method	**Units:**	ug/L
Analysis Method:	8151M	**Basis:**	NA
		Level:	Low
		Extraction Lot:	KWG1313485

	Lab Control Sample KWG1313485-3 Lab Control Spike			
Analyte Name	**Result**	**Spike Amount**	**%Rec**	**%Rec Limits**
Pentachlorophenol	7.24	10.0	72	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
Project: J.H. Baxter-Arlington
Sample Matrix: Water

Service Request: K1313167
Date Extracted: 12/04/2013
Date Analyzed: 12/06/2013
Time Analyzed: 17:27

Method Blank Summary
Pentachlorophenol

Sample Name: Method Blank
Lab Code: KWG1313484-4
Extraction Method: Method
Analysis Method: 8151M

Instrument ID: GC27
File ID: J:\GC27\DATA\120613BP\1206B007.D
Level: Low
Extraction Lot: KWG1313484

This Method Blank applies to the following analyses:

Sample Name	Lab Code	File ID	Date Analyzed	Time Analyzed
Lab Control Sample	KWG1313484-3	J:\GC27\DATA\120613BP\1206B006.D	12/06/13	17:12
HCMW-7	K1313167-001	J:\GC27\DATA\120613BP\1206B008.D	12/06/13	17:42
MW-15	K1313167-002	J:\GC27\DATA\120613BP\1206B009.D	12/06/13	17:57
MW-16	K1313167-003	J:\GC27\DATA\120613BP\1206B010.D	12/06/13	18:12
MW-17	K1313167-004	J:\GC27\DATA\120613BP\1206B011.D	12/06/13	18:27
MW-18	K1313167-005	J:\GC27\DATA\120613BP\1206B012.D	12/06/13	18:43
MW-2	K1313167-006	J:\GC27\DATA\120613BP\1206B013.D	12/06/13	18:58
MW-22	K1313167-007	J:\GC27\DATA\120613BP\1206B014.D	12/06/13	19:13
MW-23	K1313167-008	J:\GC27\DATA\120613BP\1206B015.D	12/06/13	19:28
MW-24	K1313167-009	J:\GC27\DATA\120613BP\1206B016.D	12/06/13	19:43
MW-25	K1313167-010	J:\GC27\DATA\120613BP\1206B019.D	12/06/13	20:29
MW-26	K1313167-011	J:\GC27\DATA\120613BP\1206B020.D	12/06/13	20:44
MW-27	K1313167-012	J:\GC27\DATA\120613BP\1206B021.D	12/06/13	20:59
MW-28	K1313167-013	J:\GC27\DATA\120613BP\1206B022.D	12/06/13	21:14
MW-29	K1313167-014	J:\GC27\DATA\120613BP\1206B023.D	12/06/13	21:29
MW-30	K1313167-015	J:\GC27\DATA\120613BP\1206B024.D	12/06/13	21:44
MW-31	K1313167-016	J:\GC27\DATA\120613BP\1206B025.D	12/06/13	21:59
MW-32	K1313167-017	J:\GC27\DATA\120613BP\1206B026.D	12/06/13	22:15
MW-33	K1313167-018	J:\GC27\DATA\120613BP\1206B027.D	12/06/13	22:30
MW-34	K1313167-019	J:\GC27\DATA\120613BP\1206B030.D	12/06/13	23:15
MW-35	K1313167-020	J:\GC27\DATA\120613BP\1206B031.D	12/06/13	23:30
MW-35DMS	KWG1313484-2	J:\GC27\DATA\120613BP\1206B033.D	12/07/13	00:01
MW-22	K1313167-007	J:\GC27\DATA\120913P\1209F024.D	12/09/13	21:02
MW-28	K1313167-013	J:\GC27\DATA\120913P\1209F028.D	12/09/13	22:03
MW-29	K1313167-014	J:\GC27\DATA\120913P\1209F029.D	12/09/13	22:18
MW-32	K1313167-017	J:\GC27\DATA\120913P\1209F032.D	12/09/13	23:03
MW-34	K1313167-019	J:\GC27\DATA\120913P\1209F033.D	12/09/13	23:18
MW-35MS	KWG1313484-1	J:\GC27\DATA\121013P\1210F006.D	12/10/13	11:28
MW-23	K1313167-008	J:\GC27\DATA\121113P\1211F023.D	12/11/13	16:25
MW-24	K1313167-009	J:\GC27\DATA\121113AP\1211A006.D	12/11/13	18:42
MW-25	K1313167-010	J:\GC27\DATA\121113AP\1211A008.D	12/11/13	19:13

ALS Group USA, Corp. dba ALS Environmental

QA/QC Report

Client:	JH Baxter & Company	**Service Request:**	K1313167
Project:	J.H. Baxter-Arlington	**Date Extracted:**	12/04/2013
Sample Matrix:	Water	**Date Analyzed:**	12/07/2013
		Time Analyzed:	00:31

Method Blank Summary
Pentachlorophenol

Sample Name:	Method Blank	**Instrument ID:**	GC27
Lab Code:	KWG1313485-4	**File ID:**	J:\GC27\DATA\120613BP\1206B035.D
Extraction Method:	Method	**Level:**	Low
Analysis Method:	8151M	**Extraction Lot:**	KWG1313485

This Method Blank applies to the following analyses:

Sample Name	Lab Code	File ID	Date Analyzed	Time Analyzed
Lab Control Sample	KWG1313485-3	J:\GC27\DATA\120613BP\1206B034.D	12/07/13	00:16
MW-36	K1313167-021	J:\GC27\DATA\120613BP\1206B040.D	12/07/13	01:47
MW-37	K1313167-022	J:\GC27\DATA\120613BP\1206B043.D	12/07/13	02:32
MW-38	K1313167-023	J:\GC27\DATA\120613BP\1206B044.D	12/07/13	02:47
MW-39	K1313167-024	J:\GC27\DATA\120613BP\1206B045.D	12/07/13	03:03
MW-40	K1313167-025	J:\GC27\DATA\120613BP\1206B046.D	12/07/13	03:18
MW-41	K1313167-026	J:\GC27\DATA\120613BP\1206B047.D	12/07/13	03:33
MW-42	K1313167-027	J:\GC27\DATA\120613BP\1206B048.D	12/07/13	03:48
MW-43	K1313167-028	J:\GC27\DATA\120613BP\1206B049.D	12/07/13	04:03
MW-44	K1313167-029	J:\GC27\DATA\120613BP\1206B050.D	12/07/13	04:18
Field Blank Rinsate	K1313167-030	J:\GC27\DATA\120613BP\1206B051.D	12/07/13	04:33
MW-3	K1313167-031	J:\GC27\DATA\120613BP\1206B054.D	12/07/13	05:19
Batch QC	K1313169-001	J:\GC27\DATA\120613BP\1206B058.D	12/07/13	06:20
Batch QCMS	KWG1313485-1	J:\GC27\DATA\120613BP\1206B059.D	12/07/13	06:35
Batch QCDMS	KWG1313485-2	J:\GC27\DATA\120613BP\1206B060.D	12/07/13	06:50
MW-36	K1313167-021	J:\GC27\DATA\120913P\1209F034.D	12/09/13	23:34
MW-39	K1313167-024	J:\GC27\DATA\120913P\1209F035.D	12/09/13	23:49
MW-40	K1313167-025	J:\GC27\DATA\120913P\1209F036.D	12/10/13	00:04
MW-41	K1313167-026	J:\GC27\DATA\120913P\1209F037.D	12/10/13	00:19
MW-44	K1313167-029	J:\GC27\DATA\120913P\1209F038.D	12/10/13	00:34
MW-3	K1313167-031	J:\GC27\DATA\120913P\1209F039.D	12/10/13	00:49
Batch QC	K1313169-001	J:\GC27\DATA\120913P\1209F044.D	12/10/13	02:05

ALS Group USA, Corp. dba ALS Environmental

QA/QC Report

Client:	JH Baxter & Company	**Service Request:**	K1313167
Project:	J.H. Baxter-Arlington	**Date Extracted:**	12/04/2013
Sample Matrix:	Water	**Date Analyzed:**	12/06/2013
		Time Analyzed:	17:12

Lab Control Sample Summary
Pentachlorophenol

Sample Name:	Lab Control Sample	**Instrument ID:**	GC27
Lab Code:	KWG1313484-3	**File ID:**	J:\GC27\DATA\120613BP\1206B006.D
Extraction Method:	Method	**Level:**	Low
Analysis Method:	8151M	**Extraction Lot:**	KWG1313484

This Lab Control Sample applies to the following analyses:

Sample Name	Lab Code	File ID	Date Analyzed	Time Analyzed
Method Blank	KWG1313484-4	J:\GC27\DATA\120613BP\1206B007.D	12/06/13	17:27
HCMW-7	K1313167-001	J:\GC27\DATA\120613BP\1206B008.D	12/06/13	17:42
MW-15	K1313167-002	J:\GC27\DATA\120613BP\1206B009.D	12/06/13	17:57
MW-16	K1313167-003	J:\GC27\DATA\120613BP\1206B010.D	12/06/13	18:12
MW-17	K1313167-004	J:\GC27\DATA\120613BP\1206B011.D	12/06/13	18:27
MW-18	K1313167-005	J:\GC27\DATA\120613BP\1206B012.D	12/06/13	18:43
MW-2	K1313167-006	J:\GC27\DATA\120613BP\1206B013.D	12/06/13	18:58
MW-22	K1313167-007	J:\GC27\DATA\120613BP\1206B014.D	12/06/13	19:13
MW-23	K1313167-008	J:\GC27\DATA\120613BP\1206B015.D	12/06/13	19:28
MW-24	K1313167-009	J:\GC27\DATA\120613BP\1206B016.D	12/06/13	19:43
MW-25	K1313167-010	J:\GC27\DATA\120613BP\1206B019.D	12/06/13	20:29
MW-26	K1313167-011	J:\GC27\DATA\120613BP\1206B020.D	12/06/13	20:44
MW-27	K1313167-012	J:\GC27\DATA\120613BP\1206B021.D	12/06/13	20:59
MW-28	K1313167-013	J:\GC27\DATA\120613BP\1206B022.D	12/06/13	21:14
MW-29	K1313167-014	J:\GC27\DATA\120613BP\1206B023.D	12/06/13	21:29
MW-30	K1313167-015	J:\GC27\DATA\120613BP\1206B024.D	12/06/13	21:44
MW-31	K1313167-016	J:\GC27\DATA\120613BP\1206B025.D	12/06/13	21:59
MW-32	K1313167-017	J:\GC27\DATA\120613BP\1206B026.D	12/06/13	22:15
MW-33	K1313167-018	J:\GC27\DATA\120613BP\1206B027.D	12/06/13	22:30
MW-34	K1313167-019	J:\GC27\DATA\120613BP\1206B030.D	12/06/13	23:15
MW-35	K1313167-020	J:\GC27\DATA\120613BP\1206B031.D	12/06/13	23:30
MW-35DMS	KWG1313484-2	J:\GC27\DATA\120613BP\1206B033.D	12/07/13	00:01
MW-22	K1313167-007	J:\GC27\DATA\120913P\1209F024.D	12/09/13	21:02
MW-28	K1313167-013	J:\GC27\DATA\120913P\1209F028.D	12/09/13	22:03
MW-29	K1313167-014	J:\GC27\DATA\120913P\1209F029.D	12/09/13	22:18
MW-32	K1313167-017	J:\GC27\DATA\120913P\1209F032.D	12/09/13	23:03
MW-34	K1313167-019	J:\GC27\DATA\120913P\1209F033.D	12/09/13	23:18
MW-35MS	KWG1313484-1	J:\GC27\DATA\121013P\1210F006.D	12/10/13	11:28
MW-23	K1313167-008	J:\GC27\DATA\121113P\1211F023.D	12/11/13	16:25
MW-24	K1313167-009	J:\GC27\DATA\121113AP\1211A006.D	12/11/13	18:42
MW-25	K1313167-010	J:\GC27\DATA\121113AP\1211A008.D	12/11/13	19:13

ALS Group USA, Corp. dba ALS Environmental

QA/QC Report

Client:	JH Baxter & Company	**Service Request:**	K1313167
Project:	J.H. Baxter-Arlington	**Date Extracted:**	12/04/2013
Sample Matrix:	Water	**Date Analyzed:**	12/07/2013
		Time Analyzed:	00:16

Lab Control Sample Summary
Pentachlorophenol

Sample Name:	Lab Control Sample	**Instrument ID:**	GC27
Lab Code:	KWG1313485-3	**File ID:**	J:\GC27\DATA\120613BP\1206B034.D
Extraction Method:	Method	**Level:**	Low
Analysis Method:	8151M	**Extraction Lot:**	KWG1313485

This Lab Control Sample applies to the following analyses:

Sample Name	Lab Code	File ID	Date Analyzed	Time Analyzed
Method Blank	KWG1313485-4	J:\GC27\DATA\120613BP\1206B035.D	12/07/13	00:31
MW-36	K1313167-021	J:\GC27\DATA\120613BP\1206B040.D	12/07/13	01:47
MW-37	K1313167-022	J:\GC27\DATA\120613BP\1206B043.D	12/07/13	02:32
MW-38	K1313167-023	J:\GC27\DATA\120613BP\1206B044.D	12/07/13	02:47
MW-39	K1313167-024	J:\GC27\DATA\120613BP\1206B045.D	12/07/13	03:03
MW-40	K1313167-025	J:\GC27\DATA\120613BP\1206B046.D	12/07/13	03:18
MW-41	K1313167-026	J:\GC27\DATA\120613BP\1206B047.D	12/07/13	03:33
MW-42	K1313167-027	J:\GC27\DATA\120613BP\1206B048.D	12/07/13	03:48
MW-43	K1313167-028	J:\GC27\DATA\120613BP\1206B049.D	12/07/13	04:03
MW-44	K1313167-029	J:\GC27\DATA\120613BP\1206B050.D	12/07/13	04:18
Field Blank Rinsate	K1313167-030	J:\GC27\DATA\120613BP\1206B051.D	12/07/13	04:33
MW-3	K1313167-031	J:\GC27\DATA\120613BP\1206B054.D	12/07/13	05:19
Batch QC	K1313169-001	J:\GC27\DATA\120613BP\1206B058.D	12/07/13	06:20
Batch QCMS	KWG1313485-1	J:\GC27\DATA\120613BP\1206B059.D	12/07/13	06:35
Batch QCDMS	KWG1313485-2	J:\GC27\DATA\120613BP\1206B060.D	12/07/13	06:50
MW-36	K1313167-021	J:\GC27\DATA\120913P\1209F034.D	12/09/13	23:34
MW-39	K1313167-024	J:\GC27\DATA\120913P\1209F035.D	12/09/13	23:49
MW-40	K1313167-025	J:\GC27\DATA\120913P\1209F036.D	12/10/13	00:04
MW-41	K1313167-026	J:\GC27\DATA\120913P\1209F037.D	12/10/13	00:19
MW-44	K1313167-029	J:\GC27\DATA\120913P\1209F038.D	12/10/13	00:34
MW-3	K1313167-031	J:\GC27\DATA\120913P\1209F039.D	12/10/13	00:49
Batch QC	K1313169-001	J:\GC27\DATA\120913P\1209F044.D	12/10/13	02:05

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

Service Request: K1313167
Calibration Date: 11/22/2013

Initial Calibration Summary
Pentachlorophenol

Calibration ID: CAL12940
Instrument ID: GC27

Column: Rtx-5

Level ID	File ID	Level ID	File ID
A	J:\GC27\DATA\112213AP\1122A005.D	F	J:\GC27\DATA\112213AP\1122A010.D
B	J:\GC27\DATA\112213AP\1122A006.D	G	J:\GC27\DATA\112213AP\1122A011.D
C	J:\GC27\DATA\112213AP\1122A007.D	H	J:\GC27\DATA\112213AP\1122A012.D
D	J:\GC27\DATA\112213AP\1122A008.D	I	J:\GC27\DATA\112213AP\1122A013.D
E	J:\GC27\DATA\112213AP\1122A009.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	2.4	3.05E+6	B	4.8	3.00E+6	C	9.5	2.94E+6	D	24	2.59E+6	E	48	2.50E+6
	F	71	2.43E+6	G	95	2.42E+6	H	120	2.42E+6	I	140	2.47E+6			
4-Bromo-2,6-dichlorophenol	A	2.5	2.04E+6	B	5.0	2.06E+6	C	10	2.05E+6	D	25	1.89E+6	E	50	1.89E+6
	F	75	1.89E+6	G	100	1.90E+6	H	130	1.98E+6	I	150	2.00E+6			

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

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

Service Request: K1313167
Calibration Date: 11/22/2013

Initial Calibration Summary
Pentachlorophenol

Calibration ID: CAL12940
Instrument ID: GC27

Column: Rtx-5

Analyte Name	Compound Type	Calibration Evaluation					
		Fit Type	Eval.	Eval. Result	Q	Control Criteria	
Pentachlorophenol	MS	AverageRF	% RSD	10.2		≤ 20	
4-Bromo-2,6-dichlorophenol	SURR	AverageRF	% RSD	3.8		≤ 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: K1313167
Calibration Date: 11/22/2013
Date Analyzed: 11/22/2013

Second Source Calibration Verification
Pentachlorophenol

Calibration Type: External Standard
Analysis Method: 8151M

Calibration ID: CAL12940
Units: ug/L

File ID: J:\GC27\DATA\112213AP\1122A014.D

Column ID: Rtx-5

Analyte Name	Expected	Result	Average RF	SSV RF	%D	%Drift	Criteria	Curve Fit
Pentachlorophenol	24	26	2650000	2930000	11	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: K1313167
Calibration Date: 11/22/2013

Initial Calibration Summary
Pentachlorophenol

Calibration ID: CAL12940
Instrument ID: GC27

Column: Rtx-Dioxin 2

Level ID	File ID	Level ID	File ID
A	J:\GC27\DATA\112213AP\1122A005.D\1122A005c.d	F	J:\GC27\DATA\112213AP\1122A010.D\1122A010c.d
B	J:\GC27\DATA\112213AP\1122A006.D\1122A006c.d	G	J:\GC27\DATA\112213AP\1122A011.D\1122A011c.d
C	J:\GC27\DATA\112213AP\1122A007.D\1122A007c.d	H	J:\GC27\DATA\112213AP\1122A012.D\1122A012c.d
D	J:\GC27\DATA\112213AP\1122A008.D\1122A008c.d	I	J:\GC27\DATA\112213AP\1122A013.D\1122A013c.d
E	J:\GC27\DATA\112213AP\1122A009.D\1122A009c.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	2.4	1.45E+6	B	4.8	1.46E+6	C	9.5	1.43E+6	D	24	1.23E+6	E	48	1.17E+6
	F	71	1.12E+6	G	95	1.12E+6	H	120	1.09E+6	I	140	1.11E+6			
4-Bromo-2,6-dichlorophenol	A	2.5	7.90E+5	B	5.0	8.43E+5	C	10	8.58E+5	D	25	7.97E+5	E	50	7.76E+5
	F	75	7.69E+5	G	100	7.66E+5	H	130	7.89E+5	I	150	7.95E+5			

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

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

Service Request: K1313167
Calibration Date: 11/22/2013

Initial Calibration Summary
Pentachlorophenol

Calibration ID: CAL12940
Instrument ID: GC27

Column: Rtx-Dioxin 2

		Calibration Evaluation				
Analyte Name	*Compound* Type	Fit Type	Eval.	Eval. Result	Q	Control Criteria
Pentachlorophenol	MS	AverageRF	% RSD	12.7		≤ 20
4-Bromo-2,6-dichlorophenol	SURR	AverageRF	% RSD	4.0		≤ 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: K1313167
Calibration Date: 11/22/2013
Date Analyzed: 11/22/2013

Second Source Calibration Verification
Pentachlorophenol

Calibration Type: External Standard
Analysis Method: 8151M

Calibration ID: CAL12940
Units: ug/L

File ID: J:\GC27\DATA\112213AP\1122A014.D\1122A014c.d

Column ID: Rtx-Dioxin 2

Analyte Name	Expected	Result	Average RF	SSV RF	%D	%Drift	Criteria	Curve Fit
Pentachlorophenol	24	27	1240000	1400000	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: K1313167
Date Analyzed: 12/06/2013

Continuing Calibration Verification Summary
Pentachlorophenol

Calibration Type: External Standard
Analysis Method: 8151M

Calibration Date: 11/22/2013
Calibration ID: CAL12940
Analysis Lot: KWG1313600
Units: ug/L

File ID: J:\GC27\DATA\120613BP\1206B004.D

Column ID: Rtx-5

Analyte Name	Expected	Result	Average RF	CCV RF	%D	%Drift	Criteria	Curve Fit
Pentachlorophenol	48	48	2650000	2700000	2	NA	± 20 %	AverageRF
4-Bromo-2,6-dichlorophenol	50	53	1970000	2090000	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: K1313167
Date Analyzed: 12/06/2013

Continuing Calibration Verification Summary
Pentachlorophenol

Calibration Type: External Standard
Analysis Method: 8151M

Calibration Date: 11/22/2013
Calibration ID: CAL12940
Analysis Lot: KWG1313600
Units: ug/L

File ID: J:\GC27\DATA\120613BP\1206B004.D\1206B004C.D

Column ID: Rtx-Dioxin 2

Analyte Name	Expected	Result	Average RF	CCV RF	%D	%Drift	Criteria	Curve Fit
Pentachlorophenol	48	49	1240000	1270000	3	NA	± 20 %	AverageRF
4-Bromo-2,6-dichlorophenol	50	54	798000	861000	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: K1313167
Date Analyzed: 12/06/2013

Continuing Calibration Verification Summary
Pentachlorophenol

Calibration Type: External Standard
Analysis Method: 8151M

Calibration Date: 11/22/2013
Calibration ID: CAL12940
Analysis Lot: KWG1313600
Units: ug/L

File ID: J:\GC27\DATA\120613BP\1206B017.D

Column ID: Rtx-5

Analyte Name	Expected	Result	Average RF	CCV RF	%D	%Drift	Criteria	Curve Fit
Pentachlorophenol	48	46	2650000	2560000	-3	NA	± 20 %	AverageRF
4-Bromo-2,6-dichlorophenol	50	50	1970000	1950000	-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: K1313167
Date Analyzed: 12/06/2013

Continuing Calibration Verification Summary
Pentachlorophenol

Calibration Type: External Standard
Analysis Method: 8151M

Calibration Date: 11/22/2013
Calibration ID: CAL12940
Analysis Lot: KWG1313600
Units: ug/L

File ID: J:\GC27\DATA\120613BP\1206B017.D\1206B017C.D

Column ID: Rtx-Dioxin 2

Analyte Name	Expected	Result	Average RF	CCV RF	%D	%Drift	Criteria	Curve Fit
Pentachlorophenol	48	46	1240000	1200000	-4	NA	± 20 %	AverageRF
4-Bromo-2,6-dichlorophenol	50	51	798000	816000	2	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: K1313167
Date Analyzed: 12/06/2013

Continuing Calibration Verification Summary
Pentachlorophenol

Calibration Type: External Standard
Analysis Method: 8151M

Calibration Date: 11/22/2013
Calibration ID: CAL12940
Analysis Lot: KWG1313600
Units: ug/L

File ID: J:\GC27\DATA\120613BP\1206B028.D

Column ID: Rtx-5

Analyte Name	Expected	Result	Average RF	CCV RF	%D	%Drift	Criteria	Curve Fit
Pentachlorophenol	48	45	2650000	2500000	-6	NA	± 20 %	AverageRF
4-Bromo-2,6-dichlorophenol	50	49	1970000	1930000	-2	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: K1313167
Date Analyzed: 12/06/2013

Continuing Calibration Verification Summary
Pentachlorophenol

Calibration Type: External Standard
Analysis Method: 8151M

Calibration Date: 11/22/2013
Calibration ID: CAL12940
Analysis Lot: KWG1313600
Units: ug/L

File ID: J:\GC27\DATA\120613BP\1206B028.D\1206B028C.D

Column ID: Rtx-Dioxin 2

Analyte Name	Expected	Result	Average RF	CCV RF	%D	%Drift	Criteria	Curve Fit
Pentachlorophenol	48	44	1240000	1150000	-7	NA	± 20 %	AverageRF
4-Bromo-2,6-dichlorophenol	50	51	798000	807000	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: K1313167
Date Analyzed: 12/07/2013

Continuing Calibration Verification Summary
Pentachlorophenol

Calibration Type: External Standard
Analysis Method: 8151M

Calibration Date: 11/22/2013
Calibration ID: CAL12940
Analysis Lot: KWG1313600
Units: ug/L

File ID: J:\GC27\DATA\120613BP\1206B041.D

Column ID: Rtx-5

Analyte Name	Expected	Result	Average RF	CCV RF	%D	%Drift	Criteria	Curve Fit
Pentachlorophenol	48	43	2650000	2390000	-10	NA	± 20 %	AverageRF
4-Bromo-2,6-dichlorophenol	50	47	1970000	1860000	-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: K1313167
Date Analyzed: 12/07/2013

Continuing Calibration Verification Summary
Pentachlorophenol

Calibration Type: External Standard
Analysis Method: 8151M

Calibration Date: 11/22/2013
Calibration ID: CAL12940
Analysis Lot: KWG1313600
Units: ug/L

File ID: J:\GC27\DATA\120613BP\1206B041.D\1206B041C.D

Column ID: Rtx-Dioxin 2

Analyte Name	Expected	Result	Average RF	CCV RF	%D	%Drift	Criteria	Curve Fit
Pentachlorophenol	48	42	1240000	1110000	-11	NA	± 20 %	AverageRF
4-Bromo-2,6-dichlorophenol	50	48	798000	767000	-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: K1313167
Date Analyzed: 12/07/2013

Continuing Calibration Verification Summary
Pentachlorophenol

Calibration Type: External Standard
Analysis Method: 8151M

Calibration Date: 11/22/2013
Calibration ID: CAL12940
Analysis Lot: KWG1313600
Units: ug/L

File ID: J:\GC27\DATA\120613BP\1206B052.D

Column ID: Rtx-5

Analyte Name	Expected	Result	Average RF	CCV RF	%D	%Drift	Criteria	Curve Fit
Pentachlorophenol	48	43	2650000	2420000	-8	NA	± 20 %	AverageRF
4-Bromo-2,6-dichlorophenol	50	48	1970000	1870000	-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: K1313167
Date Analyzed: 12/07/2013

Continuing Calibration Verification Summary
Pentachlorophenol

Calibration Type: External Standard
Analysis Method: 8151M

Calibration Date: 11/22/2013
Calibration ID: CAL12940
Analysis Lot: KWG1313600
Units: ug/L

File ID: J:\GC27\DATA\120613BP\1206B052.D\1206B052C.D

Column ID: Rtx-Dioxin 2

Analyte Name	Expected	Result	Average RF	CCV RF	%D	%Drift	Criteria	Curve Fit
Pentachlorophenol	48	42	1240000	1110000	-11	NA	± 20 %	AverageRF
4-Bromo-2,6-dichlorophenol	50	48	798000	768000	-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: K1313167
Date Analyzed: 12/07/2013

Continuing Calibration Verification Summary
Pentachlorophenol

Calibration Type: External Standard
Analysis Method: 8151M

Calibration Date: 11/22/2013
Calibration ID: CAL12940
Analysis Lot: KWG1313600
Units: ug/L

File ID: J:\GC27\DATA\120613BP\1206B061.D

Column ID: Rtx-5

Analyte Name	Expected	Result	Average RF	CCV RF	%D	%Drift	Criteria	Curve Fit
Pentachlorophenol	48	43	2650000	2400000	-9	NA	± 20 %	AverageRF
4-Bromo-2,6-dichlorophenol	50	49	1970000	1920000	-2	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: K1313167
Date Analyzed: 12/07/2013

Continuing Calibration Verification Summary
Pentachlorophenol

Calibration Type: External Standard
Analysis Method: 8151M

Calibration Date: 11/22/2013
Calibration ID: CAL12940
Analysis Lot: KWG1313600
Units: ug/L

File ID: J:\GC27\DATA\120613BP\1206B061.D\1206B061C.D

Column ID: Rtx-Dioxin 2

Analyte Name	Expected	Result	Average RF	CCV RF	%D	%Drift	Criteria	Curve Fit
Pentachlorophenol	48	42	1240000	1110000	-11	NA	± 20 %	AverageRF
4-Bromo-2,6-dichlorophenol	50	49	798000	783000	-2	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: K1313167
Date Analyzed: 12/09/2013

Continuing Calibration Verification Summary
Pentachlorophenol

Calibration Type: External Standard
Analysis Method: 8151M

Calibration Date: 11/22/2013
Calibration ID: CAL12940
Analysis Lot: KWG1313636
Units: ug/L

File ID: J:\GC27\DATA\120913P\1209F019.D

Column ID: Rtx-5

Analyte Name	Expected	Result	Average RF	CCV RF	%D	%Drift	Criteria	Curve Fit
Pentachlorophenol	48	46	2650000	2550000	-4	NA	± 20 %	AverageRF
4-Bromo-2,6-dichlorophenol	50	48	1970000	1890000	-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: K1313167
Date Analyzed: 12/09/2013

Continuing Calibration Verification Summary
Pentachlorophenol

Calibration Type: External Standard
Analysis Method: 8151M

Calibration Date: 11/22/2013
Calibration ID: CAL12940
Analysis Lot: KWG1313636
Units: ug/L

File ID: J:\GC27\DATA\120913P\1209F019.D\1209F019C.D

Column ID: Rtx-Dioxin 2

Analyte Name	Expected	Result	Average RF	CCV RF	%D	%Drift	Criteria	Curve Fit
Pentachlorophenol	48	44	1240000	1150000	-7	NA	± 20 %	AverageRF
4-Bromo-2,6-dichlorophenol	50	49	798000	783000	-2	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: K1313167
Date Analyzed: 12/09/2013

Continuing Calibration Verification Summary
Pentachlorophenol

Calibration Type: External Standard
Analysis Method: 8151M

Calibration Date: 11/22/2013
Calibration ID: CAL12940
Analysis Lot: KWG1313636
Units: ug/L

File ID: J:\GC27\DATA\120913P\1209F030.D

Column ID: Rtx-5

Analyte Name	Expected	Result	Average RF	CCV RF	%D	%Drift	Criteria	Curve Fit
Pentachlorophenol	48	44	2650000	2470000	-7	NA	± 20 %	AverageRF
4-Bromo-2,6-dichlorophenol	50	47	1970000	1860000	-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: K1313167
Date Analyzed: 12/09/2013

Continuing Calibration Verification Summary
Pentachlorophenol

Calibration Type: External Standard
Analysis Method: 8151M

Calibration Date: 11/22/2013
Calibration ID: CAL12940
Analysis Lot: KWG1313636
Units: ug/L

File ID: J:\GC27\DATA\120913P\1209F030.D\1209F030C.D

Column ID: Rtx-Dioxin 2

Analyte Name	Expected	Result	Average RF	CCV RF	%D	%Drift	Criteria	Curve Fit
Pentachlorophenol	48	43	1240000	1130000	-9	NA	± 20 %	AverageRF
4-Bromo-2,6-dichlorophenol	50	47	798000	756000	-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: K1313167
Date Analyzed: 12/10/2013

Continuing Calibration Verification Summary
Pentachlorophenol

Calibration Type: External Standard
Analysis Method: 8151M

Calibration Date: 11/22/2013
Calibration ID: CAL12940
Analysis Lot: KWG1313636
Units: ug/L

File ID: J:\GC27\DATA\120913P\1209F041.D

Column ID: Rtx-5

Analyte Name	Expected	Result	Average RF	CCV RF	%D	%Drift	Criteria	Curve Fit
Pentachlorophenol	48	45	2650000	2480000	-6	NA	± 20 %	AverageRF
4-Bromo-2,6-dichlorophenol	50	48	1970000	1880000	-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: K1313167
Date Analyzed: 12/10/2013

Continuing Calibration Verification Summary
Pentachlorophenol

Calibration Type: External Standard
Analysis Method: 8151M

Calibration Date: 11/22/2013
Calibration ID: CAL12940
Analysis Lot: KWG1313636
Units: ug/L

File ID: J:\GC27\DATA\120913P\1209F041.D\1209F041C.D

Column ID: Rtx-Dioxin 2

Analyte Name	Expected	Result	Average RF	CCV RF	%D	%Drift	Criteria	Curve Fit
Pentachlorophenol	48	44	1240000	1140000	-8	NA	± 20 %	AverageRF
4-Bromo-2,6-dichlorophenol	50	48	798000	760000	-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: K1313167
Date Analyzed: 12/10/2013

Continuing Calibration Verification Summary
Pentachlorophenol

Calibration Type: External Standard
Analysis Method: 8151M

Calibration Date: 11/22/2013
Calibration ID: CAL12940
Analysis Lot: KWG1313636
Units: ug/L

File ID: J:\GC27\DATA\120913P\1209F045.D

Column ID: Rtx-5

Analyte Name	Expected	Result	Average RF	CCV RF	%D	%Drift	Criteria	Curve Fit
Pentachlorophenol	48	45	2650000	2520000	-5	NA	± 20 %	AverageRF
4-Bromo-2,6-dichlorophenol	50	48	1970000	1880000	-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: K1313167
Date Analyzed: 12/10/2013

Continuing Calibration Verification Summary
Pentachlorophenol

Calibration Type: External Standard
Analysis Method: 8151M

Calibration Date: 11/22/2013
Calibration ID: CAL12940
Analysis Lot: KWG1313636
Units: ug/L

File ID: J:\GC27\DATA\120913P\1209F045.D\1209F045C.D

Column ID: Rtx-Dioxin 2

Analyte Name	Expected	Result	Average RF	CCV RF	%D	%Drift	Criteria	Curve Fit
Pentachlorophenol	48	44	1240000	1150000	-7	NA	± 20 %	AverageRF
4-Bromo-2,6-dichlorophenol	50	47	798000	756000	-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: K1313167
Date Analyzed: 12/10/2013

Continuing Calibration Verification Summary
Pentachlorophenol

Calibration Type: External Standard
Analysis Method: 8151M

Calibration Date: 11/22/2013
Calibration ID: CAL12940
Analysis Lot: KWG1313723
Units: ug/L

File ID: J:\GC27\DATA\121013P\1210F004.D

Column ID: Rtx-5

Analyte Name	Expected	Result	Average RF	CCV RF	%D	%Drift	Criteria	Curve Fit
Pentachlorophenol	48	46	2650000	2540000	-4	NA	± 20 %	AverageRF
4-Bromo-2,6-dichlorophenol	50	48	1970000	1870000	-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: K1313167
Date Analyzed: 12/10/2013

Continuing Calibration Verification Summary
Pentachlorophenol

Calibration Type: External Standard
Analysis Method: 8151M

Calibration Date: 11/22/2013
Calibration ID: CAL12940
Analysis Lot: KWG1313723
Units: ug/L

File ID: J:\GC27\DATA\121013P\1210F004.D\1210F004C.D

Column ID: Rtx-Dioxin 2

Analyte Name	Expected	Result	Average RF	CCV RF	%D	%Drift	Criteria	Curve Fit
Pentachlorophenol	48	44	1240000	1150000	-8	NA	± 20 %	AverageRF
4-Bromo-2,6-dichlorophenol	50	46	798000	737000	-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: K1313167
Date Analyzed: 12/10/2013

Continuing Calibration Verification Summary
Pentachlorophenol

Calibration Type: External Standard
Analysis Method: 8151M

Calibration Date: 11/22/2013
Calibration ID: CAL12940
Analysis Lot: KWG1313723
Units: ug/L

File ID: J:\GC27\DATA\121013P\1210F007.D

Column ID: Rtx-5

Analyte Name	Expected	Result	Average RF	CCV RF	%D	%Drift	Criteria	Curve Fit
Pentachlorophenol	48	45	2650000	2510000	-5	NA	± 20 %	AverageRF
4-Bromo-2,6-dichlorophenol	50	47	1970000	1830000	-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: K1313167
Date Analyzed: 12/10/2013

Continuing Calibration Verification Summary
Pentachlorophenol

Calibration Type: External Standard
Analysis Method: 8151M

Calibration Date: 11/22/2013
Calibration ID: CAL12940
Analysis Lot: KWG1313723
Units: ug/L

File ID: J:\GC27\DATA\121013P\1210F007.D\1210F007C.D

Column ID: Rtx-Dioxin 2

Analyte Name	Expected	Result	Average RF	CCV RF	%D	%Drift	Criteria	Curve Fit
Pentachlorophenol	48	44	1240000	1150000	-8	NA	± 20 %	AverageRF
4-Bromo-2,6-dichlorophenol	50	46	798000	742000	-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: K1313167
Date Analyzed: 12/11/2013

Continuing Calibration Verification Summary
Pentachlorophenol

Calibration Type: External Standard
Analysis Method: 8151M

Calibration Date: 11/22/2013
Calibration ID: CAL12940
Analysis Lot: KWG1313699
Units: ug/L

File ID: J:\GC27\DATA\121113P\1211F018.D

Column ID: Rtx-5

Analyte Name	Expected	Result	Average RF	CCV RF	%D	%Drift	Criteria	Curve Fit
Pentachlorophenol	48	42	2650000	2350000	-11	NA	± 20 %	AverageRF
4-Bromo-2,6-dichlorophenol	50	46	1970000	1820000	-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: K1313167
Date Analyzed: 12/11/2013

Continuing Calibration Verification Summary
Pentachlorophenol

Calibration Type: External Standard
Analysis Method: 8151M

Calibration Date: 11/22/2013
Calibration ID: CAL12940
Analysis Lot: KWG1313699
Units: ug/L

File ID: J:\GC27\DATA\121113P\1211F018.D\1211F018C.D

Column ID: Rtx-Dioxin 2

Analyte Name	Expected	Result	Average RF	CCV RF	%D	%Drift	Criteria	Curve Fit
Pentachlorophenol	48	42	1240000	1090000	-12	NA	± 20 %	AverageRF
4-Bromo-2,6-dichlorophenol	50	46	798000	736000	-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: K1313167
Date Analyzed: 12/11/2013

Continuing Calibration Verification Summary
Pentachlorophenol

Calibration Type: External Standard
Analysis Method: 8151M

Calibration Date: 11/22/2013
Calibration ID: CAL12940
Analysis Lot: KWG1313699
Units: ug/L

File ID: J:\GC27\DATA\121113P\1211F025.D

Column ID: Rtx-5

Analyte Name	Expected	Result	Average RF	CCV RF	%D	%Drift	Criteria	Curve Fit
Pentachlorophenol	48	42	2650000	2320000	-12	NA	± 20 %	AverageRF
4-Bromo-2,6-dichlorophenol	50	47	1970000	1840000	-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: K1313167
Date Analyzed: 12/11/2013

Continuing Calibration Verification Summary
Pentachlorophenol

Calibration Type: External Standard
Analysis Method: 8151M

Calibration Date: 11/22/2013
Calibration ID: CAL12940
Analysis Lot: KWG1313699
Units: ug/L

File ID: J:\GC27\DATA\121113P\1211F025.D\1211F025C.D

Column ID: Rtx-Dioxin 2

Analyte Name	Expected	Result	Average RF	CCV RF	%D	%Drift	Criteria	Curve Fit
Pentachlorophenol	48	40	1240000	1060000	-15	NA	± 20 %	AverageRF
4-Bromo-2,6-dichlorophenol	50	47	798000	748000	-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: K1313167
Date Analyzed: 12/11/2013

Continuing Calibration Verification Summary
Pentachlorophenol

Calibration Type: External Standard
Analysis Method: 8151M

Calibration Date: 11/22/2013
Calibration ID: CAL12940
Analysis Lot: KWG1313707
Units: ug/L

File ID: J:\GC27\DATA\121113AP\1211A004.D

Column ID: Rtx-5

Analyte Name	Expected	Result	Average RF	CCV RF	%D	%Drift	Criteria	Curve Fit
Pentachlorophenol	48	42	2650000	2340000	-12	NA	± 20 %	AverageRF
4-Bromo-2,6-dichlorophenol	50	45	1970000	1760000	-10	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: K1313167
Date Analyzed: 12/11/2013

Continuing Calibration Verification Summary
Pentachlorophenol

Calibration Type: External Standard
Analysis Method: 8151M

Calibration Date: 11/22/2013
Calibration ID: CAL12940
Analysis Lot: KWG1313707
Units: ug/L

File ID: J:\GC27\DATA\121113AP\1211A004.D\1211A004C.D

Column ID: Rtx-Dioxin 2

Analyte Name	Expected	Result	Average RF	CCV RF	%D	%Drift	Criteria	Curve Fit
Pentachlorophenol	48	41	1240000	1060000	-14	NA	± 20 %	AverageRF
4-Bromo-2,6-dichlorophenol	50	45	798000	713000	-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: K1313167
Date Analyzed: 12/11/2013

Continuing Calibration Verification Summary
Pentachlorophenol

Calibration Type: External Standard
Analysis Method: 8151M

Calibration Date: 11/22/2013
Calibration ID: CAL12940
Analysis Lot: KWG1313707
Units: ug/L

File ID: J:\GC27\DATA\121113AP\1211A010.D

Column ID: Rtx-5

Analyte Name	Expected	Result	Average RF	CCV RF	%D	%Drift	Criteria	Curve Fit
Pentachlorophenol	48	43	2650000	2390000	-10	NA	± 20 %	AverageRF
4-Bromo-2,6-dichlorophenol	50	44	1970000	1740000	-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: K1313167
Date Analyzed: 12/11/2013

Continuing Calibration Verification Summary
Pentachlorophenol

Calibration Type: External Standard
Analysis Method: 8151M

Calibration Date: 11/22/2013
Calibration ID: CAL12940
Analysis Lot: KWG1313707
Units: ug/L

File ID: J:\GC27\DATA\121113AP\1211A010.D\1211A010C.D

Column ID: Rtx-Dioxin 2

Analyte Name	Expected	Result	Average RF	CCV RF	%D	%Drift	Criteria	Curve Fit
Pentachlorophenol	48	42	1240000	1090000	-12	NA	± 20 %	AverageRF
4-Bromo-2,6-dichlorophenol	50	44	798000	700000	-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: K1313167

Analysis Run Log
Pentachlorophenol

Analysis Method: 8151M

Analysis Lot: KWG1313600
Instrument ID: GC27
Column: Rtx-5

File ID	Sample Name	Lab Code	Date Analysis Started	Start Time	Q	Date Analysis Finished	Finish Time
1206B004.D	Continuing Calibration Verification	KWG1313600-1	12/6/2013	16:41		12/6/2013	16:49
1206B005.D	Instrument Blank	KWG1313600-2	12/6/2013	16:56		12/6/2013	17:04
1206B006.D	Lab Control Sample	KWG1313484-3	12/6/2013	17:12		12/6/2013	17:20
1206B007.D	Method Blank	KWG1313484-4	12/6/2013	17:27		12/6/2013	17:35
1206B008.D	HCMW-7	K1313167-001	12/6/2013	17:42		12/6/2013	17:50
1206B009.D	MW-15	K1313167-002	12/6/2013	17:57		12/6/2013	18:05
1206B010.D	MW-16	K1313167-003	12/6/2013	18:12		12/6/2013	18:20
1206B011.D	MW-17	K1313167-004	12/6/2013	18:27		12/6/2013	18:35
1206B012.D	MW-18	K1313167-005	12/6/2013	18:43		12/6/2013	18:51
1206B013.D	MW-2	K1313167-006	12/6/2013	18:58		12/6/2013	19:06
1206B014.D	MW-22	K1313167-007	12/6/2013	19:13		12/6/2013	19:21
1206B015.D	MW-23	K1313167-008	12/6/2013	19:28		12/6/2013	19:36
1206B016.D	MW-24	K1313167-009	12/6/2013	19:43		12/6/2013	19:51
1206B017.D	Continuing Calibration Verification	KWG1313600-3	12/6/2013	19:58		12/6/2013	20:06
1206B018.D	Instrument Blank	KWG1313600-4	12/6/2013	20:13		12/6/2013	20:21
1206B019.D	MW-25	K1313167-010	12/6/2013	20:29		12/6/2013	20:37
1206B020.D	MW-26	K1313167-011	12/6/2013	20:44		12/6/2013	20:52
1206B021.D	MW-27	K1313167-012	12/6/2013	20:59		12/6/2013	21:07
1206B022.D	MW-28	K1313167-013	12/6/2013	21:14		12/6/2013	21:22
1206B023.D	MW-29	K1313167-014	12/6/2013	21:29		12/6/2013	21:37
1206B024.D	MW-30	K1313167-015	12/6/2013	21:44		12/6/2013	21:52
1206B025.D	MW-31	K1313167-016	12/6/2013	21:59		12/6/2013	22:07
1206B026.D	MW-32	K1313167-017	12/6/2013	22:15		12/6/2013	22:23
1206B027.D	MW-33	K1313167-018	12/6/2013	22:30		12/6/2013	22:38
1206B028.D	Continuing Calibration Verification	KWG1313600-5	12/6/2013	22:45		12/6/2013	22:53
1206B029.D	Instrument Blank	KWG1313600-6	12/6/2013	23:00		12/6/2013	23:08
1206B030.D	MW-34	K1313167-019	12/6/2013	23:15		12/6/2013	23:23
1206B031.D	MW-35	K1313167-020	12/6/2013	23:30		12/6/2013	23:38
1206B032.D	ZZZZZZ	ZZZZZZ	12/6/2013	23:45		12/6/2013	23:53
1206B033.D	MW-35DMS	KWG1313484-2	12/7/2013	00:01		12/7/2013	00:09
1206B034.D	Lab Control Sample	KWG1313485-3	12/7/2013	00:16		12/7/2013	00:24
1206B035.D	Method Blank	KWG1313485-4	12/7/2013	00:31		12/7/2013	00:39
1206B036.D	ZZZZZZ	ZZZZZZ	12/7/2013	00:46		12/7/2013	00:54
1206B037.D	ZZZZZZ	ZZZZZZ	12/7/2013	01:01		12/7/2013	01:09

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: K1313167

Analysis Run Log
Pentachlorophenol

Analysis Method: 8151M

Analysis Lot: KWG1313600
Instrument ID: GC27
Column: Rtx-5

File ID	Sample Name	Lab Code	Date Analysis Started	Start Time	Q	Date Analysis Finished	Finish Time
1206B038.D	ZZZZZZ	ZZZZZZ	12/7/2013	01:16		12/7/2013	01:24
1206B039.D	ZZZZZZ	ZZZZZZ	12/7/2013	01:32		12/7/2013	01:40
1206B040.D	MW-36	K1313167-021	12/7/2013	01:47		12/7/2013	01:55
1206B041.D	Continuing Calibration Verification	KWG1313600-7	12/7/2013	02:02		12/7/2013	02:10
1206B042.D	Instrument Blank	KWG1313600-8	12/7/2013	02:17		12/7/2013	02:25
1206B043.D	MW-37	K1313167-022	12/7/2013	02:32		12/7/2013	02:40
1206B044.D	MW-38	K1313167-023	12/7/2013	02:47		12/7/2013	02:55
1206B045.D	MW-39	K1313167-024	12/7/2013	03:03		12/7/2013	03:11
1206B046.D	MW-40	K1313167-025	12/7/2013	03:18		12/7/2013	03:26
1206B047.D	MW-41	K1313167-026	12/7/2013	03:33		12/7/2013	03:41
1206B048.D	MW-42	K1313167-027	12/7/2013	03:48		12/7/2013	03:56
1206B049.D	MW-43	K1313167-028	12/7/2013	04:03		12/7/2013	04:11
1206B050.D	MW-44	K1313167-029	12/7/2013	04:18		12/7/2013	04:26
1206B051.D	Field Blank Rinsate	K1313167-030	12/7/2013	04:33		12/7/2013	04:41
1206B052.D	Continuing Calibration Verification	KWG1313600-9	12/7/2013	04:49		12/7/2013	04:57
1206B053.D	Instrument Blank	KWG1313600-10	12/7/2013	05:04		12/7/2013	05:12
1206B054.D	MW-3	K1313167-031	12/7/2013	05:19		12/7/2013	05:27
1206B055.D	ZZZZZZ	ZZZZZZ	12/7/2013	05:34		12/7/2013	05:42
1206B056.D	ZZZZZZ	ZZZZZZ	12/7/2013	05:49		12/7/2013	05:57
1206B057.D	ZZZZZZ	ZZZZZZ	12/7/2013	06:04		12/7/2013	06:12
1206B058.D	Batch QC	K1313169-001	12/7/2013	06:20		12/7/2013	06:28
1206B059.D	Batch QCMS	KWG1313485-1	12/7/2013	06:35		12/7/2013	06:43
1206B060.D	Batch QCDMS	KWG1313485-2	12/7/2013	06:50		12/7/2013	06:58
1206B061.D	Continuing Calibration Verification	KWG1313600-11	12/7/2013	07:05		12/7/2013	07:13
1206B062.D	Instrument Blank	KWG1313600-12	12/7/2013	07:20		12/7/2013	07:28

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: K1313167

Analysis Run Log
Pentachlorophenol

Analysis Method: 8151M

Analysis Lot: KWG1313636
Instrument ID: GC27
Column: Rtx-5

File ID	Sample Name	Lab Code	Date Analysis Started	Start Time	Q	Date Analysis Finished	Finish Time
1209F006.D	Continuing Calibration Verification	KWG1313636-1	12/9/2013	16:24		12/9/2013	16:32
1209F007.D	Instrument Blank	KWG1313636-2	12/9/2013	16:40		12/9/2013	16:48
1209F008.D	ZZZZZZ	ZZZZZZ	12/9/2013	16:59		12/9/2013	17:07
1209F009.D	ZZZZZZ	ZZZZZZ	12/9/2013	17:14		12/9/2013	17:22
1209F010.D	ZZZZZZ	ZZZZZZ	12/9/2013	17:29		12/9/2013	17:37
1209F011.D	ZZZZZZ	ZZZZZZ	12/9/2013	17:44		12/9/2013	17:52
1209F012.D	ZZZZZZ	ZZZZZZ	12/9/2013	18:00		12/9/2013	18:08
1209F013.D	ZZZZZZ	ZZZZZZ	12/9/2013	18:15		12/9/2013	18:23
1209F014.D	ZZZZZZ	ZZZZZZ	12/9/2013	18:30		12/9/2013	18:38
1209F015.D	ZZZZZZ	ZZZZZZ	12/9/2013	18:45		12/9/2013	18:53
1209F016.D	ZZZZZZ	ZZZZZZ	12/9/2013	19:01		12/9/2013	19:09
1209F017.D	ZZZZZZ	ZZZZZZ	12/9/2013	19:16		12/9/2013	19:24
1209F018.D	ZZZZZZ	ZZZZZZ	12/9/2013	19:31		12/9/2013	19:39
1209F019.D	Continuing Calibration Verification	KWG1313636-3	12/9/2013	19:46		12/9/2013	19:54
1209F020.D	Instrument Blank	KWG1313636-4	12/9/2013	20:01		12/9/2013	20:09
1209F021.D	ZZZZZZ	ZZZZZZ	12/9/2013	20:16		12/9/2013	20:24
1209F022.D	ZZZZZZ	ZZZZZZ	12/9/2013	20:32		12/9/2013	20:40
1209F023.D	ZZZZZZ	ZZZZZZ	12/9/2013	20:47		12/9/2013	20:55
1209F024.D	MW-22	K1313167-007	12/9/2013	21:02		12/9/2013	21:10
1209F028.D	MW-28	K1313167-013	12/9/2013	22:03		12/9/2013	22:11
1209F029.D	MW-29	K1313167-014	12/9/2013	22:18		12/9/2013	22:26
1209F030.D	Continuing Calibration Verification	KWG1313636-5	12/9/2013	22:33		12/9/2013	22:41
1209F031.D	Instrument Blank	KWG1313636-6	12/9/2013	22:48		12/9/2013	22:56
1209F032.D	MW-32	K1313167-017	12/9/2013	23:03		12/9/2013	23:11
1209F033.D	MW-34	K1313167-019	12/9/2013	23:18		12/9/2013	23:26
1209F034.D	MW-36	K1313167-021	12/9/2013	23:34		12/9/2013	23:42
1209F035.D	MW-39	K1313167-024	12/9/2013	23:49		12/9/2013	23:57
1209F036.D	MW-40	K1313167-025	12/10/2013	00:04		12/10/2013	00:12
1209F037.D	MW-41	K1313167-026	12/10/2013	00:19		12/10/2013	00:27
1209F038.D	MW-44	K1313167-029	12/10/2013	00:34		12/10/2013	00:42
1209F039.D	MW-3	K1313167-031	12/10/2013	00:49		12/10/2013	00:57
1209F040.D	ZZZZZZ	ZZZZZZ	12/10/2013	01:05		12/10/2013	01:13
1209F041.D	Continuing Calibration Verification	KWG1313636-7	12/10/2013	01:20		12/10/2013	01:28
1209F042.D	Instrument Blank	KWG1313636-8	12/10/2013	01:35		12/10/2013	01:43

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: K1313167

Analysis Run Log
Pentachlorophenol

Analysis Method: 8151M

Analysis Lot: KWG1313636
Instrument ID: GC27
Column: Rtx-5

File ID	Sample Name	Lab Code	Date Analysis Started	Start Time	Q	Date Analysis Finished	Finish Time
1209F043.D	ZZZZZZ	ZZZZZZ	12/10/2013	01:50		12/10/2013	01:58
1209F044.D	Batch QC	K1313169-001	12/10/2013	02:05		12/10/2013	02:13
1209F045.D	Continuing Calibration Verification	KWG1313636-9	12/10/2013	02:20		12/10/2013	02:28
1209F046.D	Instrument Blank	KWG1313636-10	12/10/2013	02:36		12/10/2013	02:44

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: K1313167

Analysis Run Log
Pentachlorophenol

Analysis Method: 8151M

Analysis Lot: KWG1313699
Instrument ID: GC27
Column: Rtx-5

File ID	Sample Name	Lab Code	Date Analysis Started	Start Time	Q	Date Analysis Finished	Finish Time
1211F004.D	Continuing Calibration Verification	KWG1313699-1	12/11/2013	11:37		12/11/2013	11:45
1211F005.D	Instrument Blank	KWG1313699-2	12/11/2013	11:52		12/11/2013	12:00
1211F006.D	ZZZZZZ	ZZZZZZ	12/11/2013	12:07		12/11/2013	12:15
1211F007.D	ZZZZZZ	ZZZZZZ	12/11/2013	12:22		12/11/2013	12:30
1211F008.D	ZZZZZZ	ZZZZZZ	12/11/2013	12:38		12/11/2013	12:46
1211F009.D	ZZZZZZ	ZZZZZZ	12/11/2013	12:53		12/11/2013	13:01
1211F010.D	ZZZZZZ	ZZZZZZ	12/11/2013	13:08		12/11/2013	13:16
1211F011.D	ZZZZZZ	ZZZZZZ	12/11/2013	13:23		12/11/2013	13:31
1211F012.D	ZZZZZZ	ZZZZZZ	12/11/2013	13:38		12/11/2013	13:46
1211F013.D	ZZZZZZ	ZZZZZZ	12/11/2013	13:54		12/11/2013	14:02
1211F014.D	ZZZZZZ	ZZZZZZ	12/11/2013	14:09		12/11/2013	14:17
1211F015.D	ZZZZZZ	ZZZZZZ	12/11/2013	14:24		12/11/2013	14:32
1211F016.D	ZZZZZZ	ZZZZZZ	12/11/2013	14:39		12/11/2013	14:47
1211F017.D	ZZZZZZ	ZZZZZZ	12/11/2013	14:54		12/11/2013	15:02
1211F018.D	Continuing Calibration Verification	KWG1313699-3	12/11/2013	15:10		12/11/2013	15:18
1211F019.D	Instrument Blank	KWG1313699-4	12/11/2013	15:25		12/11/2013	15:33
1211F020.D	ZZZZZZ	ZZZZZZ	12/11/2013	15:40		12/11/2013	15:48
1211F021.D	ZZZZZZ	ZZZZZZ	12/11/2013	15:55		12/11/2013	16:03
1211F022.D	ZZZZZZ	ZZZZZZ	12/11/2013	16:10		12/11/2013	16:18
1211F023.D	MW-23	K1313167-008	12/11/2013	16:25		12/11/2013	16:33
1211F025.D	Continuing Calibration Verification	KWG1313699-5	12/11/2013	16:56		12/11/2013	17:04
1211F026.D	Instrument Blank	KWG1313699-6	12/11/2013	17:11		12/11/2013	17:19

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: K1313167

Analysis Run Log
Pentachlorophenol

Analysis Method: 8151M

Analysis Lot: KWG1313707
Instrument ID: GC27
Column: Rtx-5

File ID	Sample Name	Lab Code	Date Analysis Started	Start Time	Q	Date Analysis Finished	Finish Time
1211A004.D	Continuing Calibration Verification	KWG1313707-1	12/11/2013	18:12		12/11/2013	18:20
1211A005.D	Instrument Blank	KWG1313707-2	12/11/2013	18:27		12/11/2013	18:35
1211A006.D	MW-24	K1313167-009	12/11/2013	18:42		12/11/2013	18:50
1211A008.D	MW-25	K1313167-010	12/11/2013	19:13		12/11/2013	19:21
1211A010.D	Continuing Calibration Verification	KWG1313707-3	12/11/2013	19:43		12/11/2013	19:51
1211A011.D	Instrument Blank	KWG1313707-4	12/11/2013	19:58		12/11/2013	20:06

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: K1313167

Analysis Run Log
Pentachlorophenol

Analysis Method: 8151M

Analysis Lot: KWG1313723
Instrument ID: GC27
Column: Rtx-5

File ID	Sample Name	Lab Code	Date Analysis Started	Start Time	Q	Date Analysis Finished	Finish Time
1210F004.D	Continuing Calibration Verification	KWG1313723-1	12/10/2013	10:58		12/10/2013	11:06
1210F005.D	Instrument Blank	KWG1313723-2	12/10/2013	11:13		12/10/2013	11:21
1210F006.D	MW-35MS	KWG1313484-1	12/10/2013	11:28		12/10/2013	11:36
1210F007.D	Continuing Calibration Verification	KWG1313723-3	12/10/2013	11:43		12/10/2013	11:51
1210F008.D	Instrument Blank	KWG1313723-4	12/10/2013	11:59		12/10/2013	12:07

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: K1313167
Date Extracted: 12/04/2013

Extraction Prep Log
Pentachlorophenol

Extraction Method: Method
Analysis Method: 8151M

Extraction Lot: KWG1313484
Level: Low

Sample Name	Lab Code	Date Collected	Date Received	Sample Amount	Final Volume	% Solids	Note
HCMW-7	K1313167-001	12/02/13	12/04/13	5mL	1mL	NA	
MW-15	K1313167-002	12/02/13	12/04/13	5mL	1mL	NA	
MW-16	K1313167-003	12/02/13	12/04/13	5mL	1mL	NA	
MW-17	K1313167-004	12/02/13	12/04/13	5mL	1mL	NA	
MW-18	K1313167-005	12/02/13	12/04/13	5mL	1mL	NA	
MW-2	K1313167-006	12/02/13	12/04/13	5mL	1mL	NA	
MW-22	K1313167-007	12/02/13	12/04/13	5mL	1mL	NA	
MW-22DL	K1313167-007	12/02/13	12/04/13	5mL	1mL	NA	
MW-23DL	K1313167-008	12/01/13	12/04/13	5mL	1mL	NA	
MW-23	K1313167-008	12/01/13	12/04/13	5mL	1mL	NA	
MW-24DL	K1313167-009	12/01/13	12/04/13	5mL	1mL	NA	
MW-24	K1313167-009	12/01/13	12/04/13	5mL	1mL	NA	
MW-25DL	K1313167-010	12/01/13	12/04/13	5mL	1mL	NA	
MW-25	K1313167-010	12/01/13	12/04/13	5mL	1mL	NA	
MW-26	K1313167-011	12/01/13	12/04/13	5mL	1mL	NA	
MW-27	K1313167-012	12/01/13	12/04/13	5mL	1mL	NA	
MW-28	K1313167-013	12/02/13	12/04/13	5mL	1mL	NA	
MW-28DL	K1313167-013	12/02/13	12/04/13	5mL	1mL	NA	
MW-29DL	K1313167-014	12/02/13	12/04/13	5mL	1mL	NA	
MW-29	K1313167-014	12/02/13	12/04/13	5mL	1mL	NA	
MW-30	K1313167-015	12/03/13	12/04/13	5mL	1mL	NA	
MW-31	K1313167-016	12/02/13	12/04/13	5mL	1mL	NA	
MW-32	K1313167-017	12/01/13	12/04/13	5mL	1mL	NA	
MW-32DL	K1313167-017	12/01/13	12/04/13	5mL	1mL	NA	
MW-33	K1313167-018	12/02/13	12/04/13	5mL	1mL	NA	
MW-34	K1313167-019	12/02/13	12/04/13	5mL	1mL	NA	
MW-34DL	K1313167-019	12/02/13	12/04/13	5mL	1mL	NA	
MW-35	K1313167-020	12/01/13	12/04/13	5mL	1mL	NA	
Method Blank	KWG1313484-4	NA	NA	5mL	1mL	NA	
MW-35MS	KWG1313484-1	12/01/13	12/04/13	5mL	1mL	NA	
MW-35DMS	KWG1313484-2	12/01/13	12/04/13	5mL	1mL	NA	
Lab Control Sample	KWG1313484-3	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

QA/QC Results

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

Service Request: K1313167
Date Extracted: 12/04/2013

Extraction Prep Log
Pentachlorophenol

Extraction Method: Method
Analysis Method: 8151M

Extraction Lot: KWG1313485
Level: Low

Sample Name	Lab Code	Date Collected	Date Received	Sample Amount	Final Volume	% Solids	Note
MW-36	K1313167-021	12/01/13	12/04/13	5mL	1mL	NA	
MW-36DL	K1313167-021	12/01/13	12/04/13	5mL	1mL	NA	
MW-37	K1313167-022	12/02/13	12/04/13	5mL	1mL	NA	
MW-38	K1313167-023	12/02/13	12/04/13	5mL	1mL	NA	
MW-39DL	K1313167-024	12/02/13	12/04/13	5mL	1mL	NA	
MW-39	K1313167-024	12/02/13	12/04/13	5mL	1mL	NA	
MW-40DL	K1313167-025	12/02/13	12/04/13	5mL	1mL	NA	
MW-40	K1313167-025	12/02/13	12/04/13	5mL	1mL	NA	
MW-41DL	K1313167-026	12/01/13	12/04/13	5mL	1mL	NA	
MW-41	K1313167-026	12/01/13	12/04/13	5mL	1mL	NA	
MW-42	K1313167-027	12/02/13	12/04/13	5mL	1mL	NA	
MW-43	K1313167-028	12/02/13	12/04/13	5mL	1mL	NA	
MW-44	K1313167-029	12/01/13	12/04/13	5mL	1mL	NA	
MW-44DL	K1313167-029	12/01/13	12/04/13	5mL	1mL	NA	
Field Blank Rinsate	K1313167-030	12/02/13	12/04/13	5mL	1mL	NA	
MW-3DL	K1313167-031	12/01/13	12/04/13	5mL	1mL	NA	
MW-3	K1313167-031	12/01/13	12/04/13	5mL	1mL	NA	
Method Blank	KWG1313485-4	NA	NA	5mL	1mL	NA	
Batch QCDL	K1313169-001	NA	NA	5mL	1mL	NA	
Batch QC	K1313169-001	NA	NA	5mL	1mL	NA	
Batch QCMS	KWG1313485-1	NA	NA	5mL	1mL	NA	
Batch QCDMS	KWG1313485-2	NA	NA	5mL	1mL	NA	
Lab Control Sample	KWG1313485-3	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	**Service Request:**	K1313167
Project:	J.H. Baxter-Arlington	**Date Collected:**	12/02/2013
Sample Matrix:	Water	**Date Received:**	12/04/2013
		Date Extracted:	12/04/2013

Pentachlorophenol

Sample Name:	MW-22	**Units:**	ug/L
Lab Code:	K1313167-007	**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	5.0	1.6	130	130	0.0	D	10	12/09/13

ALS Group USA, Corp. dba ALS Environmental

Confirmation Results

Client:	JH Baxter & Company	**Service Request:**	K1313167
Project:	J.H. Baxter-Arlington	**Date Collected:**	12/01/2013
Sample Matrix:	Water	**Date Received:**	12/04/2013
		Date Extracted:	12/04/2013

Pentachlorophenol

Sample Name:	MW-23	**Units:**	ug/L
Lab Code:	K1313167-008	**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	320	330	3.1	D	50	12/11/13

ALS Group USA, Corp. dba ALS Environmental

Confirmation Results

Client:	JH Baxter & Company	**Service Request:**	K1313167
Project:	J.H. Baxter-Arlington	**Date Collected:**	12/01/2013
Sample Matrix:	Water	**Date Received:**	12/04/2013
		Date Extracted:	12/04/2013

Pentachlorophenol

Sample Name:	MW-24	**Units:**	ug/L
Lab Code:	K1313167-009	**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	5.0	1.6	230	240	4.3	D	10	12/11/13

ALS Group USA, Corp. dba ALS Environmental

Confirmation Results

Client:	JH Baxter & Company	**Service Request:**	K1313167
Project:	J.H. Baxter-Arlington	**Date Collected:**	12/01/2013
Sample Matrix:	Water	**Date Received:**	12/04/2013
		Date Extracted:	12/04/2013

Pentachlorophenol

Sample Name:	MW-25	**Units:**	ug/L
Lab Code:	K1313167-010	**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	50	16	430	440	2.3	D	100	12/11/13

ALS Group USA, Corp. dba ALS Environmental

Confirmation Results

Client:	JH Baxter & Company	**Service Request:**	K1313167
Project:	J.H. Baxter-Arlington	**Date Collected:**	12/01/2013
Sample Matrix:	Water	**Date Received:**	12/04/2013
		Date Extracted:	12/04/2013

Pentachlorophenol

Sample Name:	MW-26	**Units:**	ug/L
Lab Code:	K1313167-011	**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	0.58	0.33	54.9	P	1	12/06/13

ALS Group USA, Corp. dba ALS Environmental

Confirmation Results

Client:	JH Baxter & Company	**Service Request:**	K1313167
Project:	J.H. Baxter-Arlington	**Date Collected:**	12/01/2013
Sample Matrix:	Water	**Date Received:**	12/04/2013
		Date Extracted:	12/04/2013

Pentachlorophenol

Sample Name:	MW-27	**Units:**	ug/L
Lab Code:	K1313167-012	**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	0.52	0.20	88.9	P	1	12/06/13

ALS Group USA, Corp. dba ALS Environmental

Confirmation Results

Client:	JH Baxter & Company	**Service Request:**	K1313167
Project:	J.H. Baxter-Arlington	**Date Collected:**	12/02/2013
Sample Matrix:	Water	**Date Received:**	12/04/2013
		Date Extracted:	12/04/2013

Pentachlorophenol

Sample Name:	MW-28	**Units:**	ug/L
Lab Code:	K1313167-013	**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	5.0	1.6	85	86	1.2	D	10	12/09/13

ALS Group USA, Corp. dba ALS Environmental

Confirmation Results

Client:	JH Baxter & Company	**Service Request:**	K1313167
Project:	J.H. Baxter-Arlington	**Date Collected:**	12/02/2013
Sample Matrix:	Water	**Date Received:**	12/04/2013
		Date Extracted:	12/04/2013

Pentachlorophenol

Sample Name:	MW-29	**Units:**	ug/L
Lab Code:	K1313167-014	**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	5.0	1.6	99	100	1.0	D	10	12/09/13

ALS Group USA, Corp. dba ALS Environmental

Confirmation Results

Client:	JH Baxter & Company	**Service Request:**	K1313167
Project:	J.H. Baxter-Arlington	**Date Collected:**	12/02/2013
Sample Matrix:	Water	**Date Received:**	12/04/2013
		Date Extracted:	12/04/2013

Pentachlorophenol

Sample Name:	MW-31	**Units:**	ug/L
Lab Code:	K1313167-016	**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	0.50	0.23	74.0	P	1	12/06/13

ALS Group USA, Corp. dba ALS Environmental

Confirmation Results

Client:	JH Baxter & Company	**Service Request:**	K1313167
Project:	J.H. Baxter-Arlington	**Date Collected:**	12/01/2013
Sample Matrix:	Water	**Date Received:**	12/04/2013
		Date Extracted:	12/04/2013

Pentachlorophenol

Sample Name:	MW-32	**Units:**	ug/L
Lab Code:	K1313167-017	**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	50	16	1200	1200	0.0	D	100	12/09/13

Confirmation Results

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

Service Request: K1313167
Date Collected: 12/02/2013
Date Received: 12/04/2013
Date Extracted: 12/04/2013

Pentachlorophenol

Sample Name: MW-33
Lab Code: K1313167-018
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	0.50	0.16	12	12	0.0		1	12/06/13

ALS Group USA, Corp. dba ALS Environmental

Confirmation Results

Client:	JH Baxter & Company	**Service Request:**	K1313167
Project:	J.H. Baxter-Arlington	**Date Collected:**	12/02/2013
Sample Matrix:	Water	**Date Received:**	12/04/2013
		Date Extracted:	12/04/2013

Pentachlorophenol

Sample Name:	MW-34	**Units:**	ug/L
Lab Code:	K1313167-019	**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	50	16	590	590	0.0	D	100	12/09/13

ALS Group USA, Corp. dba ALS Environmental

Confirmation Results

Client:	JH Baxter & Company	**Service Request:**	K1313167
Project:	J.H. Baxter-Arlington	**Date Collected:**	12/01/2013
Sample Matrix:	Water	**Date Received:**	12/04/2013
		Date Extracted:	12/04/2013

Pentachlorophenol

Sample Name:	MW-36	**Units:**	ug/L
Lab Code:	K1313167-021	**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	5.0	1.6	120	120	0.0	D	10	12/09/13

ALS Group USA, Corp. dba ALS Environmental

Confirmation Results

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

Service Request: K1313167
Date Collected: 12/02/2013
Date Received: 12/04/2013
Date Extracted: 12/04/2013

Pentachlorophenol

Sample Name: MW-37
Lab Code: K1313167-022
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	0.50	0.16	24	24	0.0		1	12/07/13

ALS Group USA, Corp. dba ALS Environmental

Confirmation Results

Client:	JH Baxter & Company	**Service Request:**	K1313167
Project:	J.H. Baxter-Arlington	**Date Collected:**	12/02/2013
Sample Matrix:	Water	**Date Received:**	12/04/2013
		Date Extracted:	12/04/2013

Pentachlorophenol

Sample Name:	MW-38	**Units:**	ug/L
Lab Code:	K1313167-023	**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	0.42	0.71	51.3	JP	1	12/07/13

ALS Group USA, Corp. dba ALS Environmental

Confirmation Results

Client:	JH Baxter & Company	**Service Request:**	K1313167
Project:	J.H. Baxter-Arlington	**Date Collected:**	12/02/2013
Sample Matrix:	Water	**Date Received:**	12/04/2013
		Date Extracted:	12/04/2013

Pentachlorophenol

Sample Name:	MW-39	**Units:**	ug/L
Lab Code:	K1313167-024	**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	5.0	1.6	58	58	0.0	D	10	12/09/13

ALS Group USA, Corp. dba ALS Environmental

Confirmation Results

Client:	JH Baxter & Company	**Service Request:**	K1313167
Project:	J.H. Baxter-Arlington	**Date Collected:**	12/02/2013
Sample Matrix:	Water	**Date Received:**	12/04/2013
		Date Extracted:	12/04/2013

Pentachlorophenol

Sample Name:	MW-40	**Units:**	ug/L
Lab Code:	K1313167-025	**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	50	16	510	510	0.0	D	100	12/10/13

ALS Group USA, Corp. dba ALS Environmental

Confirmation Results

Client:	JH Baxter & Company	**Service Request:**	K1313167
Project:	J.H. Baxter-Arlington	**Date Collected:**	12/01/2013
Sample Matrix:	Water	**Date Received:**	12/04/2013
		Date Extracted:	12/04/2013

Pentachlorophenol

Sample Name:	MW-41	**Units:**	ug/L
Lab Code:	K1313167-026	**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	50	16	310	310	0.0	D	100	12/10/13

ALS Group USA, Corp. dba ALS Environmental

Confirmation Results

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

Service Request: K1313167
Date Collected: 12/02/2013
Date Received: 12/04/2013
Date Extracted: 12/04/2013

Pentachlorophenol

Sample Name: MW-42
Lab Code: K1313167-027
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	0.50	0.16	5.6	5.6	0.0		1	12/07/13

ALS Group USA, Corp. dba ALS Environmental

Confirmation Results

Client:	JH Baxter & Company	**Service Request:**	K1313167
Project:	J.H. Baxter-Arlington	**Date Collected:**	12/01/2013
Sample Matrix:	Water	**Date Received:**	12/04/2013
		Date Extracted:	12/04/2013

Pentachlorophenol

Sample Name:	MW-44	**Units:**	ug/L
Lab Code:	K1313167-029	**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	50	16	350	350	0.0	D	100	12/10/13

ALS Group USA, Corp. dba ALS Environmental

Confirmation Results

Client:	JH Baxter & Company	**Service Request:**	K1313167
Project:	J.H. Baxter-Arlington	**Date Collected:**	12/01/2013
Sample Matrix:	Water	**Date Received:**	12/04/2013
		Date Extracted:	12/04/2013

Pentachlorophenol

Sample Name:	MW-3	**Units:**	ug/L
Lab Code:	K1313167-031	**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	5.0	1.6	100	100	0.0	D	10	12/10/13

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: K1313167

Cover Page - Organic Analysis Data Package
Polynuclear Aromatic Hydrocarbons

Sample Name	Lab Code	Date Collected	Date Received
MW-15	K1313167-002	12/02/2013	12/04/2013
MW-16	K1313167-003	12/02/2013	12/04/2013
MW-17	K1313167-004	12/02/2013	12/04/2013
MW-18	K1313167-005	12/02/2013	12/04/2013
MW-2	K1313167-006	12/02/2013	12/04/2013
MW-30	K1313167-015	12/03/2013	12/04/2013
MW-35	K1313167-020	12/01/2013	12/04/2013
MW-36	K1313167-021	12/01/2013	12/04/2013
MW-37	K1313167-022	12/02/2013	12/04/2013
Field Blank Rinsate	K1313167-030	12/02/2013	12/04/2013
MW-3	K1313167-031	12/01/2013	12/04/2013

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 Dagen

Date: 12/12/13 Title: SVM Supervisor

ALS Group USA, Corp. dba ALS Environmental

Analytical Results

Client:	JH Baxter & Company	**Service Request:**	K1313167
Project:	J.H. Baxter-Arlington	**Date Collected:**	12/02/2013
Sample Matrix:	Water	**Date Received:**	12/04/2013

Polynuclear Aromatic Hydrocarbons

Sample Name:	MW-15	**Units:**	ug/L
Lab Code:	K1313167-002	**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	**0.073**		0.019	0.0038	1	12/05/13	12/10/13	KWG1313420	
2-Methylnaphthalene	**0.0045**	J	0.019	0.0023	1	12/05/13	12/10/13	KWG1313420	
Acenaphthylene	ND	U	0.019	0.0034	1	12/05/13	12/10/13	KWG1313420	
Acenaphthene	ND	U	0.019	0.0044	1	12/05/13	12/10/13	KWG1313420	
Fluorene	ND	U	0.019	0.0038	1	12/05/13	12/10/13	KWG1313420	
Phenanthrene	**0.0090**	J	0.019	0.0050	1	12/05/13	12/10/13	KWG1313420	
Anthracene	**0.0077**	J	0.019	0.0036	1	12/05/13	12/10/13	KWG1313420	*
Fluoranthene	ND	U	0.019	0.010	1	12/05/13	12/10/13	KWG1313420	
Pyrene	ND	U	0.019	0.0053	1	12/05/13	12/10/13	KWG1313420	
Benz(a)anthracene	**0.0042**	J	0.019	0.0026	1	12/05/13	12/10/13	KWG1313420	
Chrysene	ND	U	0.019	0.0034	1	12/05/13	12/10/13	KWG1313420	
Benzo(b)fluoranthene	ND	U	0.019	0.0041	1	12/05/13	12/10/13	KWG1313420	
Benzo(k)fluoranthene	ND	U	0.019	0.0030	1	12/05/13	12/10/13	KWG1313420	
Benzo(a)pyrene	ND	U	0.019	0.0043	1	12/05/13	12/10/13	KWG1313420	
Indeno(1,2,3-cd)pyrene	ND	U	0.019	0.0026	1	12/05/13	12/10/13	KWG1313420	
Dibenz(a,h)anthracene	**0.0040**	J	0.019	0.0025	1	12/05/13	12/10/13	KWG1313420	
Benzo(g,h,i)perylene	**0.0051**	J	0.019	0.0029	1	12/05/13	12/10/13	KWG1313420	

* See Case Narrative

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
Fluorene-d10	85	46-114	12/10/13	Acceptable
Fluoranthene-d10	96	51-121	12/10/13	Acceptable
Terphenyl-d14	105	58-140	12/10/13	Acceptable

Comments:

ALS Group USA, Corp. dba ALS Environmental

Analytical Results

Client:	JH Baxter & Company	**Service Request:**	K1313167
Project:	J.H. Baxter-Arlington	**Date Collected:**	12/02/2013
Sample Matrix:	Water	**Date Received:**	12/04/2013

Polynuclear Aromatic Hydrocarbons

Sample Name:	MW-16	**Units:**	ug/L
Lab Code:	K1313167-003	**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	**0.053**		0.019	0.0038	1	12/05/13	12/10/13	KWG1313420	
2-Methylnaphthalene	**0.0031**	J	0.019	0.0023	1	12/05/13	12/10/13	KWG1313420	
Acenaphthylene	ND	U	0.019	0.0034	1	12/05/13	12/10/13	KWG1313420	
Acenaphthene	ND	U	0.019	0.0044	1	12/05/13	12/10/13	KWG1313420	
Fluorene	ND	U	0.019	0.0038	1	12/05/13	12/10/13	KWG1313420	
Phenanthrene	**0.0067**	J	0.019	0.0050	1	12/05/13	12/10/13	KWG1313420	
Anthracene	ND	U	0.019	0.0036	1	12/05/13	12/10/13	KWG1313420	*
Fluoranthene	ND	U	0.019	0.010	1	12/05/13	12/10/13	KWG1313420	
Pyrene	ND	U	0.019	0.0053	1	12/05/13	12/10/13	KWG1313420	
Benz(a)anthracene	ND	U	0.019	0.0026	1	12/05/13	12/10/13	KWG1313420	
Chrysene	ND	U	0.019	0.0034	1	12/05/13	12/10/13	KWG1313420	
Benzo(b)fluoranthene	ND	U	0.019	0.0041	1	12/05/13	12/10/13	KWG1313420	
Benzo(k)fluoranthene	ND	U	0.019	0.0030	1	12/05/13	12/10/13	KWG1313420	
Benzo(a)pyrene	ND	U	0.019	0.0043	1	12/05/13	12/10/13	KWG1313420	
Indeno(1,2,3-cd)pyrene	ND	U	0.019	0.0026	1	12/05/13	12/10/13	KWG1313420	
Dibenz(a,h)anthracene	ND	U	0.019	0.0025	1	12/05/13	12/10/13	KWG1313420	
Benzo(g,h,i)perylene	ND	U	0.019	0.0029	1	12/05/13	12/10/13	KWG1313420	

* See Case Narrative

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
Fluorene-d10	78	46-114	12/10/13	Acceptable
Fluoranthene-d10	97	51-121	12/10/13	Acceptable
Terphenyl-d14	112	58-140	12/10/13	Acceptable

Comments:

ALS Group USA, Corp. dba ALS Environmental

Analytical Results

Client:	JH Baxter & Company	**Service Request:**	K1313167
Project:	J.H. Baxter-Arlington	**Date Collected:**	12/02/2013
Sample Matrix:	Water	**Date Received:**	12/04/2013

Polynuclear Aromatic Hydrocarbons

Sample Name:	MW-17	**Units:**	ug/L
Lab Code:	K1313167-004	**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	**0.050**		0.019	0.0038	1	12/05/13	12/11/13	KWG1313420	
2-Methylnaphthalene	ND	U	0.019	0.0023	1	12/05/13	12/11/13	KWG1313420	
Acenaphthylene	ND	U	0.019	0.0034	1	12/05/13	12/11/13	KWG1313420	
Acenaphthene	ND	U	0.019	0.0044	1	12/05/13	12/11/13	KWG1313420	
Fluorene	ND	U	0.019	0.0038	1	12/05/13	12/11/13	KWG1313420	
Phenanthrene	**0.0057**	J	0.019	0.0050	1	12/05/13	12/11/13	KWG1313420	
Anthracene	ND	U	0.019	0.0036	1	12/05/13	12/11/13	KWG1313420	
Fluoranthene	ND	U	0.019	0.010	1	12/05/13	12/11/13	KWG1313420	
Pyrene	ND	U	0.019	0.0053	1	12/05/13	12/11/13	KWG1313420	
Benz(a)anthracene	**0.0033**	J	0.019	0.0026	1	12/05/13	12/11/13	KWG1313420	
Chrysene	ND	U	0.019	0.0034	1	12/05/13	12/11/13	KWG1313420	
Benzo(b)fluoranthene	ND	U	0.019	0.0041	1	12/05/13	12/11/13	KWG1313420	
Benzo(k)fluoranthene	ND	U	0.019	0.0030	1	12/05/13	12/11/13	KWG1313420	
Benzo(a)pyrene	ND	U	0.019	0.0043	1	12/05/13	12/11/13	KWG1313420	
Indeno(1,2,3-cd)pyrene	ND	U	0.019	0.0026	1	12/05/13	12/11/13	KWG1313420	
Dibenz(a,h)anthracene	ND	U	0.019	0.0025	1	12/05/13	12/11/13	KWG1313420	
Benzo(g,h,i)perylene	ND	U	0.019	0.0029	1	12/05/13	12/11/13	KWG1313420	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
Fluorene-d10	88	46-114	12/11/13	Acceptable
Fluoranthene-d10	100	51-121	12/11/13	Acceptable
Terphenyl-d14	90	58-140	12/11/13	Acceptable

Comments:

ALS Group USA, Corp. dba ALS Environmental

Analytical Results

Client:	JH Baxter & Company	**Service Request:**	K1313167
Project:	J.H. Baxter-Arlington	**Date Collected:**	12/02/2013
Sample Matrix:	Water	**Date Received:**	12/04/2013

Polynuclear Aromatic Hydrocarbons

Sample Name:	MW-18	**Units:**	ug/L
Lab Code:	K1313167-005	**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	**0.074**		0.019	0.0038	1	12/05/13	12/11/13	KWG1313420	
2-Methylnaphthalene	ND	U	0.019	0.0023	1	12/05/13	12/11/13	KWG1313420	
Acenaphthylene	ND	U	0.019	0.0034	1	12/05/13	12/11/13	KWG1313420	
Acenaphthene	ND	U	0.019	0.0044	1	12/05/13	12/11/13	KWG1313420	
Fluorene	ND	U	0.019	0.0038	1	12/05/13	12/11/13	KWG1313420	
Phenanthrene	**0.0061**	J	0.019	0.0050	1	12/05/13	12/11/13	KWG1313420	
Anthracene	ND	U	0.019	0.0036	1	12/05/13	12/11/13	KWG1313420	
Fluoranthene	ND	U	0.019	0.010	1	12/05/13	12/11/13	KWG1313420	
Pyrene	ND	U	0.019	0.0053	1	12/05/13	12/11/13	KWG1313420	
Benz(a)anthracene	ND	U	0.019	0.0026	1	12/05/13	12/11/13	KWG1313420	
Chrysene	ND	U	0.019	0.0034	1	12/05/13	12/11/13	KWG1313420	
Benzo(b)fluoranthene	ND	U	0.019	0.0041	1	12/05/13	12/11/13	KWG1313420	
Benzo(k)fluoranthene	ND	U	0.019	0.0030	1	12/05/13	12/11/13	KWG1313420	
Benzo(a)pyrene	ND	U	0.019	0.0043	1	12/05/13	12/11/13	KWG1313420	
Indeno(1,2,3-cd)pyrene	ND	U	0.019	0.0026	1	12/05/13	12/11/13	KWG1313420	
Dibenz(a,h)anthracene	ND	U	0.019	0.0025	1	12/05/13	12/11/13	KWG1313420	
Benzo(g,h,i)perylene	ND	U	0.019	0.0029	1	12/05/13	12/11/13	KWG1313420	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
Fluorene-d10	91	46-114	12/11/13	Acceptable
Fluoranthene-d10	101	51-121	12/11/13	Acceptable
Terphenyl-d14	94	58-140	12/11/13	Acceptable

Comments:

ALS Group USA, Corp. dba ALS Environmental

Analytical Results

Client:	JH Baxter & Company	**Service Request:**	K1313167
Project:	J.H. Baxter-Arlington	**Date Collected:**	12/02/2013
Sample Matrix:	Water	**Date Received:**	12/04/2013

Polynuclear Aromatic Hydrocarbons

Sample Name:	MW-2	**Units:**	ug/L
Lab Code:	K1313167-006	**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	**0.080**		0.019	0.0038	1	12/05/13	12/11/13	KWG1313420	
2-Methylnaphthalene	**0.0044**	J	0.019	0.0023	1	12/05/13	12/11/13	KWG1313420	
Acenaphthylene	ND	U	0.019	0.0034	1	12/05/13	12/11/13	KWG1313420	
Acenaphthene	ND	U	0.019	0.0044	1	12/05/13	12/11/13	KWG1313420	
Fluorene	ND	U	0.019	0.0038	1	12/05/13	12/11/13	KWG1313420	
Phenanthrene	**0.0068**	J	0.019	0.0050	1	12/05/13	12/11/13	KWG1313420	
Anthracene	**0.0072**	J	0.019	0.0036	1	12/05/13	12/11/13	KWG1313420	
Fluoranthene	ND	U	0.019	0.010	1	12/05/13	12/11/13	KWG1313420	
Pyrene	ND	U	0.019	0.0053	1	12/05/13	12/11/13	KWG1313420	
Benz(a)anthracene	ND	U	0.019	0.0026	1	12/05/13	12/11/13	KWG1313420	
Chrysene	ND	U	0.019	0.0034	1	12/05/13	12/11/13	KWG1313420	
Benzo(b)fluoranthene	ND	U	0.019	0.0041	1	12/05/13	12/11/13	KWG1313420	
Benzo(k)fluoranthene	ND	U	0.019	0.0030	1	12/05/13	12/11/13	KWG1313420	
Benzo(a)pyrene	ND	U	0.019	0.0043	1	12/05/13	12/11/13	KWG1313420	
Indeno(1,2,3-cd)pyrene	ND	U	0.019	0.0026	1	12/05/13	12/11/13	KWG1313420	
Dibenz(a,h)anthracene	ND	U	0.019	0.0025	1	12/05/13	12/11/13	KWG1313420	
Benzo(g,h,i)perylene	ND	U	0.019	0.0029	1	12/05/13	12/11/13	KWG1313420	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
Fluorene-d10	93	46-114	12/11/13	Acceptable
Fluoranthene-d10	97	51-121	12/11/13	Acceptable
Terphenyl-d14	92	58-140	12/11/13	Acceptable

Comments:

ALS Group USA, Corp. dba ALS Environmental

Analytical Results

Client:	JH Baxter & Company	**Service Request:**	K1313167
Project:	J.H. Baxter-Arlington	**Date Collected:**	12/03/2013
Sample Matrix:	Water	**Date Received:**	12/04/2013

Polynuclear Aromatic Hydrocarbons

Sample Name:	MW-30	**Units:**	ug/L
Lab Code:	K1313167-015	**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	**0.076**		0.019	0.0038	1	12/05/13	12/11/13	KWG1313420	
2-Methylnaphthalene	**0.0072**	J	0.019	0.0023	1	12/05/13	12/11/13	KWG1313420	
Acenaphthylene	ND	U	0.019	0.0034	1	12/05/13	12/11/13	KWG1313420	
Acenaphthene	ND	U	0.019	0.0044	1	12/05/13	12/11/13	KWG1313420	
Fluorene	**0.0043**	J	0.019	0.0038	1	12/05/13	12/11/13	KWG1313420	
Phenanthrene	**0.0087**	J	0.019	0.0050	1	12/05/13	12/11/13	KWG1313420	
Anthracene	ND	U	0.019	0.0036	1	12/05/13	12/11/13	KWG1313420	
Fluoranthene	ND	U	0.019	0.010	1	12/05/13	12/11/13	KWG1313420	
Pyrene	ND	U	0.019	0.0053	1	12/05/13	12/11/13	KWG1313420	
Benz(a)anthracene	ND	U	0.019	0.0026	1	12/05/13	12/11/13	KWG1313420	
Chrysene	ND	U	0.019	0.0034	1	12/05/13	12/11/13	KWG1313420	
Benzo(b)fluoranthene	ND	U	0.019	0.0041	1	12/05/13	12/11/13	KWG1313420	
Benzo(k)fluoranthene	ND	U	0.019	0.0030	1	12/05/13	12/11/13	KWG1313420	
Benzo(a)pyrene	ND	U	0.019	0.0043	1	12/05/13	12/11/13	KWG1313420	
Indeno(1,2,3-cd)pyrene	ND	U	0.019	0.0026	1	12/05/13	12/11/13	KWG1313420	
Dibenz(a,h)anthracene	ND	U	0.019	0.0025	1	12/05/13	12/11/13	KWG1313420	
Benzo(g,h,i)perylene	ND	U	0.019	0.0029	1	12/05/13	12/11/13	KWG1313420	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
Fluorene-d10	92	46-114	12/11/13	Acceptable
Fluoranthene-d10	99	51-121	12/11/13	Acceptable
Terphenyl-d14	91	58-140	12/11/13	Acceptable

Comments:

ALS Group USA, Corp. dba ALS Environmental

Analytical Results

Client:	JH Baxter & Company	**Service Request:**	K1313167
Project:	J.H. Baxter-Arlington	**Date Collected:**	12/01/2013
Sample Matrix:	Water	**Date Received:**	12/04/2013

Polynuclear Aromatic Hydrocarbons

Sample Name:	MW-35	**Units:**	ug/L
Lab Code:	K1313167-020	**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	**0.054**		0.019	0.0038	1	12/05/13	12/11/13	KWG1313420	
2-Methylnaphthalene	ND	U	0.019	0.0023	1	12/05/13	12/11/13	KWG1313420	
Acenaphthylene	ND	U	0.019	0.0034	1	12/05/13	12/11/13	KWG1313420	
Acenaphthene	ND	U	0.019	0.0044	1	12/05/13	12/11/13	KWG1313420	
Fluorene	ND	U	0.019	0.0038	1	12/05/13	12/11/13	KWG1313420	
Phenanthrene	**0.0098**	J	0.019	0.0050	1	12/05/13	12/11/13	KWG1313420	
Anthracene	ND	U	0.019	0.0036	1	12/05/13	12/11/13	KWG1313420	
Fluoranthene	ND	U	0.019	0.010	1	12/05/13	12/11/13	KWG1313420	
Pyrene	ND	U	0.019	0.0053	1	12/05/13	12/11/13	KWG1313420	
Benz(a)anthracene	ND	U	0.019	0.0026	1	12/05/13	12/11/13	KWG1313420	
Chrysene	ND	U	0.019	0.0034	1	12/05/13	12/11/13	KWG1313420	
Benzo(b)fluoranthene	ND	U	0.019	0.0041	1	12/05/13	12/11/13	KWG1313420	
Benzo(k)fluoranthene	ND	U	0.019	0.0030	1	12/05/13	12/11/13	KWG1313420	
Benzo(a)pyrene	ND	U	0.019	0.0043	1	12/05/13	12/11/13	KWG1313420	
Indeno(1,2,3-cd)pyrene	ND	U	0.019	0.0026	1	12/05/13	12/11/13	KWG1313420	
Dibenz(a,h)anthracene	ND	U	0.019	0.0025	1	12/05/13	12/11/13	KWG1313420	
Benzo(g,h,i)perylene	ND	U	0.019	0.0029	1	12/05/13	12/11/13	KWG1313420	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
Fluorene-d10	89	46-114	12/11/13	Acceptable
Fluoranthene-d10	100	51-121	12/11/13	Acceptable
Terphenyl-d14	90	58-140	12/11/13	Acceptable

Comments:

ALS Group USA, Corp. dba ALS Environmental

Analytical Results

Client:	JH Baxter & Company	**Service Request:**	K1313167
Project:	J.H. Baxter-Arlington	**Date Collected:**	12/01/2013
Sample Matrix:	Water	**Date Received:**	12/04/2013

Polynuclear Aromatic Hydrocarbons

Sample Name:	MW-36	**Units:**	ug/L
Lab Code:	K1313167-021	**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	**0.054**		0.019	0.0038	1	12/05/13	12/10/13	KWG1313420	
2-Methylnaphthalene	**0.0039**	J	0.019	0.0023	1	12/05/13	12/10/13	KWG1313420	
Acenaphthylene	ND	U	0.019	0.0034	1	12/05/13	12/10/13	KWG1313420	
Acenaphthene	ND	U	0.019	0.0044	1	12/05/13	12/10/13	KWG1313420	
Fluorene	**0.0084**	J	0.019	0.0038	1	12/05/13	12/10/13	KWG1313420	
Phenanthrene	**0.0087**	J	0.019	0.0050	1	12/05/13	12/10/13	KWG1313420	
Anthracene	**0.017**	J	0.019	0.0036	1	12/05/13	12/10/13	KWG1313420	*
Fluoranthene	ND	U	0.019	0.010	1	12/05/13	12/10/13	KWG1313420	
Pyrene	ND	U	0.019	0.0053	1	12/05/13	12/10/13	KWG1313420	
Benz(a)anthracene	ND	U	0.019	0.0026	1	12/05/13	12/10/13	KWG1313420	
Chrysene	ND	U	0.019	0.0034	1	12/05/13	12/10/13	KWG1313420	
Benzo(b)fluoranthene	ND	U	0.019	0.0041	1	12/05/13	12/10/13	KWG1313420	
Benzo(k)fluoranthene	ND	U	0.019	0.0030	1	12/05/13	12/10/13	KWG1313420	
Benzo(a)pyrene	ND	U	0.019	0.0043	1	12/05/13	12/10/13	KWG1313420	
Indeno(1,2,3-cd)pyrene	ND	U	0.019	0.0026	1	12/05/13	12/10/13	KWG1313420	
Dibenz(a,h)anthracene	ND	U	0.019	0.0025	1	12/05/13	12/10/13	KWG1313420	
Benzo(g,h,i)perylene	ND	U	0.019	0.0029	1	12/05/13	12/10/13	KWG1313420	

* See Case Narrative

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
Fluorene-d10	83	46-114	12/10/13	Acceptable
Fluoranthene-d10	96	51-121	12/10/13	Acceptable
Terphenyl-d14	121	58-140	12/10/13	Acceptable

Comments:

ALS Group USA, Corp. dba ALS Environmental

Analytical Results

Client:	JH Baxter & Company	**Service Request:**	K1313167
Project:	J.H. Baxter-Arlington	**Date Collected:**	12/02/2013
Sample Matrix:	Water	**Date Received:**	12/04/2013

Polynuclear Aromatic Hydrocarbons

Sample Name:	MW-37	**Units:**	ug/L
Lab Code:	K1313167-022	**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	**0.063**		0.019	0.0038	1	12/05/13	12/11/13	KWG1313420	
2-Methylnaphthalene	ND	U	0.019	0.0023	1	12/05/13	12/11/13	KWG1313420	
Acenaphthylene	ND	U	0.019	0.0034	1	12/05/13	12/11/13	KWG1313420	
Acenaphthene	ND	U	0.019	0.0044	1	12/05/13	12/11/13	KWG1313420	
Fluorene	ND	U	0.019	0.0038	1	12/05/13	12/11/13	KWG1313420	
Phenanthrene	ND	U	0.019	0.0050	1	12/05/13	12/11/13	KWG1313420	
Anthracene	**0.010**	J	0.019	0.0036	1	12/05/13	12/11/13	KWG1313420	
Fluoranthene	ND	U	0.019	0.010	1	12/05/13	12/11/13	KWG1313420	
Pyrene	ND	U	0.019	0.0053	1	12/05/13	12/11/13	KWG1313420	
Benz(a)anthracene	ND	U	0.019	0.0026	1	12/05/13	12/11/13	KWG1313420	
Chrysene	ND	U	0.019	0.0034	1	12/05/13	12/11/13	KWG1313420	
Benzo(b)fluoranthene	ND	U	0.019	0.0041	1	12/05/13	12/11/13	KWG1313420	
Benzo(k)fluoranthene	ND	U	0.019	0.0030	1	12/05/13	12/11/13	KWG1313420	
Benzo(a)pyrene	ND	U	0.019	0.0043	1	12/05/13	12/11/13	KWG1313420	
Indeno(1,2,3-cd)pyrene	ND	U	0.019	0.0026	1	12/05/13	12/11/13	KWG1313420	
Dibenz(a,h)anthracene	ND	U	0.019	0.0025	1	12/05/13	12/11/13	KWG1313420	
Benzo(g,h,i)perylene	ND	U	0.019	0.0029	1	12/05/13	12/11/13	KWG1313420	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
Fluorene-d10	90	46-114	12/11/13	Acceptable
Fluoranthene-d10	102	51-121	12/11/13	Acceptable
Terphenyl-d14	91	58-140	12/11/13	Acceptable

Comments:

ALS Group USA, Corp. dba ALS Environmental

Analytical Results

Client:	JH Baxter & Company	**Service Request:**	K1313167
Project:	J.H. Baxter-Arlington	**Date Collected:**	12/02/2013
Sample Matrix:	Water	**Date Received:**	12/04/2013

Polynuclear Aromatic Hydrocarbons

Sample Name:	Field Blank Rinsate	**Units:**	ug/L
Lab Code:	K1313167-030	**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**		0.019	0.0038	1	12/05/13	12/11/13	KWG1313420	
2-Methylnaphthalene	**0.018**	J	0.019	0.0023	1	12/05/13	12/11/13	KWG1313420	
Acenaphthylene	ND	U	0.019	0.0034	1	12/05/13	12/11/13	KWG1313420	
Acenaphthene	ND	Ui	0.019	0.015	1	12/05/13	12/11/13	KWG1313420	
Fluorene	ND	U	0.019	0.0038	1	12/05/13	12/11/13	KWG1313420	
Phenanthrene	**0.0073**	J	0.019	0.0050	1	12/05/13	12/11/13	KWG1313420	
Anthracene	ND	U	0.019	0.0036	1	12/05/13	12/11/13	KWG1313420	
Fluoranthene	ND	U	0.019	0.010	1	12/05/13	12/11/13	KWG1313420	
Pyrene	ND	U	0.019	0.0053	1	12/05/13	12/11/13	KWG1313420	
Benz(a)anthracene	**0.0035**	J	0.019	0.0026	1	12/05/13	12/11/13	KWG1313420	
Chrysene	ND	U	0.019	0.0034	1	12/05/13	12/11/13	KWG1313420	
Benzo(b)fluoranthene	ND	U	0.019	0.0041	1	12/05/13	12/11/13	KWG1313420	
Benzo(k)fluoranthene	ND	U	0.019	0.0030	1	12/05/13	12/11/13	KWG1313420	
Benzo(a)pyrene	ND	U	0.019	0.0043	1	12/05/13	12/11/13	KWG1313420	
Indeno(1,2,3-cd)pyrene	ND	U	0.019	0.0026	1	12/05/13	12/11/13	KWG1313420	
Dibenz(a,h)anthracene	ND	U	0.019	0.0025	1	12/05/13	12/11/13	KWG1313420	
Benzo(g,h,i)perylene	ND	U	0.019	0.0029	1	12/05/13	12/11/13	KWG1313420	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
Fluorene-d10	92	46-114	12/11/13	Acceptable
Fluoranthene-d10	103	51-121	12/11/13	Acceptable
Terphenyl-d14	94	58-140	12/11/13	Acceptable

Comments:

ALS Group USA, Corp. dba ALS Environmental

Analytical Results

Client:	JH Baxter & Company	**Service Request:**	K1313167
Project:	J.H. Baxter-Arlington	**Date Collected:**	12/01/2013
Sample Matrix:	Water	**Date Received:**	12/04/2013

Polynuclear Aromatic Hydrocarbons

Sample Name:	MW-3	**Units:**	ug/L
Lab Code:	K1313167-031	**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	12/05/13	12/11/13	KWG1313420	
2-Methylnaphthalene	**0.0071**	J	0.020	0.0023	1	12/05/13	12/11/13	KWG1313420	
Acenaphthylene	**0.013**	J	0.020	0.0034	1	12/05/13	12/11/13	KWG1313420	
Acenaphthene	**0.015**	J	0.020	0.0044	1	12/05/13	12/11/13	KWG1313420	
Fluorene	**0.058**		0.020	0.0038	1	12/05/13	12/11/13	KWG1313420	
Phenanthrene	**0.016**	J	0.020	0.0050	1	12/05/13	12/11/13	KWG1313420	
Anthracene	**0.012**	J	0.020	0.0036	1	12/05/13	12/11/13	KWG1313420	
Fluoranthene	ND	U	0.020	0.010	1	12/05/13	12/11/13	KWG1313420	
Pyrene	ND	U	0.020	0.0053	1	12/05/13	12/11/13	KWG1313420	
Benz(a)anthracene	ND	U	0.020	0.0026	1	12/05/13	12/11/13	KWG1313420	
Chrysene	ND	U	0.020	0.0034	1	12/05/13	12/11/13	KWG1313420	
Benzo(b)fluoranthene	ND	U	0.020	0.0041	1	12/05/13	12/11/13	KWG1313420	
Benzo(k)fluoranthene	ND	U	0.020	0.0030	1	12/05/13	12/11/13	KWG1313420	
Benzo(a)pyrene	ND	U	0.020	0.0043	1	12/05/13	12/11/13	KWG1313420	
Indeno(1,2,3-cd)pyrene	ND	U	0.020	0.0026	1	12/05/13	12/11/13	KWG1313420	
Dibenz(a,h)anthracene	ND	U	0.020	0.0025	1	12/05/13	12/11/13	KWG1313420	
Benzo(g,h,i)perylene	ND	U	0.020	0.0029	1	12/05/13	12/11/13	KWG1313420	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
Fluorene-d10	95	46-114	12/11/13	Acceptable
Fluoranthene-d10	105	51-121	12/11/13	Acceptable
Terphenyl-d14	92	58-140	12/11/13	Acceptable

Comments:

ALS Group USA, Corp. dba ALS Environmental

Analytical Results

Client:	JH Baxter & Company	**Service Request:**	K1313167
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:	KWG1313420-3	**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	**0.0057**	J	0.019	0.0038	1	12/05/13	12/10/13	KWG1313420	
2-Methylnaphthalene	**0.0044**	J	0.019	0.0023	1	12/05/13	12/10/13	KWG1313420	
Acenaphthylene	ND	U	0.019	0.0034	1	12/05/13	12/10/13	KWG1313420	
Acenaphthene	ND	U	0.019	0.0044	1	12/05/13	12/10/13	KWG1313420	
Fluorene	ND	U	0.019	0.0038	1	12/05/13	12/10/13	KWG1313420	
Phenanthrene	**0.0053**	J	0.019	0.0050	1	12/05/13	12/10/13	KWG1313420	
Anthracene	ND	U	0.019	0.0036	1	12/05/13	12/10/13	KWG1313420	*
Fluoranthene	ND	U	0.019	0.010	1	12/05/13	12/10/13	KWG1313420	
Pyrene	ND	U	0.019	0.0053	1	12/05/13	12/10/13	KWG1313420	
Benz(a)anthracene	ND	U	0.019	0.0026	1	12/05/13	12/10/13	KWG1313420	
Chrysene	ND	U	0.019	0.0034	1	12/05/13	12/10/13	KWG1313420	
Benzo(b)fluoranthene	ND	U	0.019	0.0041	1	12/05/13	12/10/13	KWG1313420	
Benzo(k)fluoranthene	ND	U	0.019	0.0030	1	12/05/13	12/10/13	KWG1313420	
Benzo(a)pyrene	ND	U	0.019	0.0043	1	12/05/13	12/10/13	KWG1313420	
Indeno(1,2,3-cd)pyrene	ND	U	0.019	0.0026	1	12/05/13	12/10/13	KWG1313420	
Dibenz(a,h)anthracene	ND	U	0.019	0.0025	1	12/05/13	12/10/13	KWG1313420	
Benzo(g,h,i)perylene	ND	U	0.019	0.0029	1	12/05/13	12/10/13	KWG1313420	

* See Case Narrative

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
Fluorene-d10	85	46-114	12/10/13	Acceptable
Fluoranthene-d10	88	51-121	12/10/13	Acceptable
Terphenyl-d14	90	58-140	12/10/13	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: K1313167

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	K1313167-002	85	96	105
MW-16	K1313167-003	78	97	112
MW-17	K1313167-004	88	100	90
MW-18	K1313167-005	91	101	94
MW-2	K1313167-006	93	97	92
MW-30	K1313167-015	92	99	91
MW-35	K1313167-020	89	100	90
MW-36	K1313167-021	83	96	121
MW-37	K1313167-022	90	102	91
Field Blank Rinsate	K1313167-030	92	103	94
MW-3	K1313167-031	95	105	92
Method Blank	KWG1313420-3	85	88	90
Lab Control Sample	KWG1313420-1	89	92	97
Duplicate Lab Control Sample	KWG1313420-2	88	99	102

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.

ALS Group USA, Corp. dba ALS Environmental

QA/QC Report

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

Service Request: K1313167
Date Analyzed: 12/10/2013
Time Analyzed: 08:11

Internal Standard Area and RT Summary
Polynuclear Aromatic Hydrocarbons

File ID: J:\MS11\DATA\121013\1210F006.D
Instrument ID: MS11
Analysis Method: 8270D SIM

Lab Code: KWG1313634-2
Analysis Lot: KWG1313634

		Naphthalene-d8		Acenaphthene-d10		Phenanthrene-d10	
		Area	RT	Area	RT	Area	RT
	Results ==>	87,271	5.09	46,313	6.50	92,053	7.74
	Upper Limit ==>	174,542	5.59	92,626	7.00	184,106	8.24
	Lower Limit ==>	43,636	4.59	23,157	6.00	46,027	7.24
	ICAL Result ==>	114,410	5.12	61,160	6.53	118,657	7.76
Associated Analyses							
Method Blank	KWG1313420-3	107,847	5.09	61,157	6.51	110,525	7.75
Lab Control Sample	KWG1313420-1	105,253	5.09	56,698	6.51	109,335	7.75
Duplicate Lab Control Sample	KWG1313420-2	101,739	5.09	54,793	6.51	105,297	7.75
MW-15	K1313167-002	99,253	5.09	54,499	6.51	105,453	7.75
MW-16	K1313167-003	98,884	5.09	54,704	6.51	102,582	7.75
MW-36	K1313167-021	94,474	5.09	52,285	6.51	100,208	7.75

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: K1313167
Date Analyzed: 12/10/2013
Time Analyzed: 08:11

Internal Standard Area and RT Summary
Polynuclear Aromatic Hydrocarbons

File ID: J:\MS11\DATA\121013\1210F006.D
Instrument ID: MS11
Analysis Method: 8270D SIM

Lab Code: KWG1313634-2
Analysis Lot: KWG1313634

		Chrysene-d12		Perylene-d12	
		Area	RT	Area	RT
	Results ==>	98,831	10.68	91,823	14.76
	Upper Limit ==>	197,662	11.18	183,646	15.26
	Lower Limit ==>	49,416	10.18	45,912	14.26
	ICAL Result ==>	134,935	10.68	129,342	14.69
Associated Analyses					
Method Blank	KWG1313420-3	114,369	10.70	114,769	14.81
Lab Control Sample	KWG1313420-1	106,698	10.70	114,318	14.81
Duplicate Lab Control Sample	KWG1313420-2	106,372	10.70	107,119	14.80
MW-15	K1313167-002	100,187	10.69	72,760	14.80
MW-16	K1313167-003	94,251	10.69	56,196	14.78
MW-36	K1313167-021	77,461	10.69	50,629	14.78

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: K1313167
Date Analyzed: 12/11/2013
Time Analyzed: 09:07

Internal Standard Area and RT Summary
Polynuclear Aromatic Hydrocarbons

File ID: J:\MS11\DATA\121113\1211F002.D
Instrument ID: MS11
Analysis Method: 8270D SIM

Lab Code: KWG1313681-2
Analysis Lot: KWG1313681

		Naphthalene-d8		Acenaphthene-d10		Phenanthrene-d10	
		Area	RT	Area	RT	Area	RT
	Results ==>	83,814	5.09	47,645	6.50	94,470	7.74
	Upper Limit ==>	167,628	5.59	95,290	7.00	188,940	8.24
	Lower Limit ==>	41,907	4.59	23,823	6.00	47,235	7.24
	ICAL Result ==>	114,410	5.12	61,160	6.53	118,657	7.76
Associated Analyses							
MW-17	K1313167-004	97,773	5.09	55,248	6.50	108,032	7.74
MW-18	K1313167-005	94,872	5.08	53,234	6.50	107,036	7.74
MW-2	K1313167-006	90,935	5.09	51,606	6.50	108,972	7.74
MW-30	K1313167-015	91,010	5.08	51,588	6.50	106,120	7.74
MW-35	K1313167-020	92,959	5.08	52,698	6.50	106,646	7.74
MW-37	K1313167-022	93,288	5.08	53,325	6.50	104,011	7.74
Field Blank Rinsate	K1313167-030	91,121	5.08	51,881	6.50	103,463	7.74
MW-3	K1313167-031	90,438	5.09	51,314	6.50	104,685	7.74

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: K1313167
Date Analyzed: 12/11/2013
Time Analyzed: 09:07

Internal Standard Area and RT Summary
Polynuclear Aromatic Hydrocarbons

File ID: J:\MS11\DATA\121113\1211F002.D
Instrument ID: MS11
Analysis Method: 8270D SIM

Lab Code: KWG1313681-2
Analysis Lot: KWG1313681

		Chrysene-d12		Perylene-d12	
		Area	RT	Area	RT
	Results ==>	112,443	10.67	100,907	14.75
	Upper Limit ==>	224,886	11.17	201,814	15.25
	Lower Limit ==>	56,222	10.17	50,454	14.25
	ICAL Result ==>	134,935	10.68	129,342	14.69
Associated Analyses					
MW-17	K1313167-004	129,607	10.67	130,518	14.74
MW-18	K1313167-005	123,151	10.67	124,476	14.74
MW-2	K1313167-006	121,673	10.67	121,437	14.75
MW-30	K1313167-015	122,014	10.67	119,759	14.74
MW-35	K1313167-020	126,322	10.67	125,969	14.74
MW-37	K1313167-022	125,706	10.67	125,208	14.75
Field Blank Rinsate	K1313167-030	122,558	10.67	119,774	14.74
MW-3	K1313167-031	125,582	10.67	123,901	14.75

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
Sample Matrix: Water

Service Request: K1313167
Date Extracted: 12/05/2013
Date Analyzed: 12/10/2013

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: KWG1313420

	Lab Control Sample KWG1313420-1 Lab Control Spike			Duplicate Lab Control Sample KWG1313420-2 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	2.47	2.50	99	39-110	6	30
2-Methylnaphthalene	2.38	2.50	95	2.54	2.50	102	39-115	7	30
Acenaphthylene	2.43	2.50	97	2.52	2.50	101	44-115	4	30
Acenaphthene	2.41	2.50	96	2.52	2.50	101	44-113	5	30
Fluorene	2.49	2.50	100	2.57	2.50	103	48-118	3	30
Phenanthrene	2.46	2.50	98	2.54	2.50	101	47-120	3	30
Anthracene	2.42	2.50	97	2.58	2.50	103	44-117	6	30
Fluoranthene	2.40	2.50	96	2.68	2.50	107	48-128	11	30
Pyrene	2.75	2.50	110	2.98	2.50	119	42-133	8	30
Benz(a)anthracene	2.66	2.50	106	2.80	2.50	112	48-125	5	30
Chrysene	2.71	2.50	109	2.89	2.50	115	50-128	6	30
Benzo(b)fluoranthene	2.56	2.50	102	2.85	2.50	114	49-131	11	30
Benzo(k)fluoranthene	2.54	2.50	102	2.71	2.50	109	54-131	6	30
Benzo(a)pyrene	2.61	2.50	104	2.73	2.50	109	43-134	5	30
Indeno(1,2,3-cd)pyrene	2.43	2.50	97	2.16	2.50	87	45-133	12	30
Dibenz(a,h)anthracene	2.07	2.50	83	1.76	2.50	71	49-133	16	30
Benzo(g,h,i)perylene	2.35	2.50	94	2.15	2.50	86	51-124	9	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:**	K1313167
Project:	J.H. Baxter-Arlington	**Date Extracted:**	12/05/2013
Sample Matrix:	Water	**Date Analyzed:**	12/10/2013
		Time Analyzed:	12:54

Method Blank Summary
Polynuclear Aromatic Hydrocarbons

Sample Name:	Method Blank	**Instrument ID:**	MS11
Lab Code:	KWG1313420-3	**File ID:**	J:\MS11\DATA\121013\1210F016.D
Extraction Method:	EPA 3520C	**Level:**	Low
Analysis Method:	8270D SIM	**Extraction Lot:**	KWG1313420

This Method Blank applies to the following analyses:

Sample Name	Lab Code	File ID	Date Analyzed	Time Analyzed
Lab Control Sample	KWG1313420-1	J:\MS11\DATA\121013\1210F017.D	12/10/13	13:22
Duplicate Lab Control Sample	KWG1313420-2	J:\MS11\DATA\121013\1210F018.D	12/10/13	13:50
MW-15	K1313167-002	J:\MS11\DATA\121013\1210F019.D	12/10/13	14:19
MW-16	K1313167-003	J:\MS11\DATA\121013\1210F020.D	12/10/13	14:47
MW-36	K1313167-021	J:\MS11\DATA\121013\1210F026.D	12/10/13	17:34
MW-17	K1313167-004	J:\MS11\DATA\121113\1211F004.D	12/11/13	10:21
MW-18	K1313167-005	J:\MS11\DATA\121113\1211F005.D	12/11/13	10:49
MW-2	K1313167-006	J:\MS11\DATA\121113\1211F006.D	12/11/13	11:16
MW-30	K1313167-015	J:\MS11\DATA\121113\1211F007.D	12/11/13	11:44
MW-35	K1313167-020	J:\MS11\DATA\121113\1211F008.D	12/11/13	12:12
MW-37	K1313167-022	J:\MS11\DATA\121113\1211F010.D	12/11/13	13:08
Field Blank Rinsate	K1313167-030	J:\MS11\DATA\121113\1211F011.D	12/11/13	13:35
MW-3	K1313167-031	J:\MS11\DATA\121113\1211F012.D	12/11/13	14:03

ALS Group USA, Corp. dba ALS Environmental

QA/QC Report

Client:	JH Baxter & Company	**Service Request:**	K1313167
Project:	J.H. Baxter-Arlington	**Date Extracted:**	12/05/2013
Sample Matrix:	Water	**Date Analyzed:**	12/10/2013
		Time Analyzed:	13:22

Lab Control Sample Summary
Polynuclear Aromatic Hydrocarbons

Sample Name:	Lab Control Sample	**Instrument ID:**	MS11
Lab Code:	KWG1313420-1	**File ID:**	J:\MS11\DATA\121013\1210F017.D
Extraction Method:	EPA 3520C	**Level:**	Low
Analysis Method:	8270D SIM	**Extraction Lot:**	KWG1313420

This Lab Control Sample applies to the following analyses:

Sample Name	Lab Code	File ID	Date Analyzed	Time Analyzed
Method Blank	KWG1313420-3	J:\MS11\DATA\121013\1210F016.D	12/10/13	12:54
MW-15	K1313167-002	J:\MS11\DATA\121013\1210F019.D	12/10/13	14:19
MW-16	K1313167-003	J:\MS11\DATA\121013\1210F020.D	12/10/13	14:47
MW-36	K1313167-021	J:\MS11\DATA\121013\1210F026.D	12/10/13	17:34
MW-17	K1313167-004	J:\MS11\DATA\121113\1211F004.D	12/11/13	10:21
MW-18	K1313167-005	J:\MS11\DATA\121113\1211F005.D	12/11/13	10:49
MW-2	K1313167-006	J:\MS11\DATA\121113\1211F006.D	12/11/13	11:16
MW-30	K1313167-015	J:\MS11\DATA\121113\1211F007.D	12/11/13	11:44
MW-35	K1313167-020	J:\MS11\DATA\121113\1211F008.D	12/11/13	12:12
MW-37	K1313167-022	J:\MS11\DATA\121113\1211F010.D	12/11/13	13:08
Field Blank Rinsate	K1313167-030	J:\MS11\DATA\121113\1211F011.D	12/11/13	13:35
MW-3	K1313167-031	J:\MS11\DATA\121113\1211F012.D	12/11/13	14:03

ALS Group USA, Corp. dba ALS Environmental

QA/QC Results

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

Service Request: K1313167
Date Analyzed: 12/10/2013
Time Analyzed: 07:44

Tune Summary
Polynuclear Aromatic Hydrocarbons

File ID: J:\MS11\DATA\121013\1210F005.D
Instrument ID: MS11
Column:

Analysis Method: 8270D SIM
Analysis Lot: KWG1313634

Target Mass	Relative to Mass	Lower Limit%	Upper Limit%	Relative Abundance %	Raw Abundance	Result Pass/Fail
51	198	10	80	33.5	23394	PASS
68	69	0	2	0.0	0	PASS
69	198	0	100	35.9	25083	PASS
70	69	0	2	0.0	0	PASS
127	198	10	80	44.4	30997	PASS
197	198	0	2	0.0	0	PASS
198	442	30	100	37.1	69866	PASS
199	198	5	9	6.9	4795	PASS
275	198	10	60	38.0	26560	PASS
365	442	1	50	2.5	4614	PASS
441	443	0	100	74.8	27538	PASS
442	442	100	100	100.0	188250	PASS
443	442	15	24	19.6	36805	PASS

Sample Name	Lab Code	File ID	Date Analyzed	Time Analyzed	Q
Continuing Calibration Verification	KWG1313634-2	J:\MS11\DATA\121013\1210F006.D	12/10/2013	08:11	
Method Blank	KWG1313420-3	J:\MS11\DATA\121013\1210F016.D	12/10/2013	12:54	
Lab Control Sample	KWG1313420-1	J:\MS11\DATA\121013\1210F017.D	12/10/2013	13:22	
Duplicate Lab Control Sample	KWG1313420-2	J:\MS11\DATA\121013\1210F018.D	12/10/2013	13:50	
MW-15	K1313167-002	J:\MS11\DATA\121013\1210F019.D	12/10/2013	14:19	
MW-16	K1313167-003	J:\MS11\DATA\121013\1210F020.D	12/10/2013	14:47	
MW-36	K1313167-021	J:\MS11\DATA\121013\1210F026.D	12/10/2013	17:34	

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: K1313167
Date Analyzed: 12/11/2013
Time Analyzed: 08:39

Tune Summary
Polynuclear Aromatic Hydrocarbons

File ID: J:\MS11\DATA\121113\1211F001.D
Instrument ID: MS11
Column:

Analysis Method: 8270D SIM
Analysis Lot: KWG1313681

Target Mass	Relative to Mass	Lower Limit%	Upper Limit%	Relative Abundance %	Raw Abundance	Result Pass/Fail
51	198	10	80	39.6	25308	PASS
68	69	0	2	0.0	0	PASS
69	198	0	100	41.6	26579	PASS
70	69	0	2	0.0	0	PASS
127	198	10	80	46.1	29494	PASS
197	198	0	2	0.0	0	PASS
198	442	30	100	41.4	63938	PASS
199	198	5	9	7.2	4632	PASS
275	198	10	60	37.3	23847	PASS
365	442	1	50	2.9	4440	PASS
441	443	0	100	71.5	22130	PASS
442	442	100	100	100.0	154519	PASS
443	442	15	24	20.0	30933	PASS

Sample Name	Lab Code	File ID	Date Analyzed	Time Analyzed	Q
Continuing Calibration Verification	KWG1313681-2	J:\MS11\DATA\121113\1211F002.D	12/11/2013	09:07	
MW-17	K1313167-004	J:\MS11\DATA\121113\1211F004.D	12/11/2013	10:21	
MW-18	K1313167-005	J:\MS11\DATA\121113\1211F005.D	12/11/2013	10:49	
MW-2	K1313167-006	J:\MS11\DATA\121113\1211F006.D	12/11/2013	11:16	
MW-30	K1313167-015	J:\MS11\DATA\121113\1211F007.D	12/11/2013	11:44	
MW-35	K1313167-020	J:\MS11\DATA\121113\1211F008.D	12/11/2013	12:12	
MW-37	K1313167-022	J:\MS11\DATA\121113\1211F010.D	12/11/2013	13:08	
Field Blank Rinsate	K1313167-030	J:\MS11\DATA\121113\1211F011.D	12/11/2013	13:35	
MW-3	K1313167-031	J:\MS11\DATA\121113\1211F012.D	12/11/2013	14:03	

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: K1313167
Calibration Date: 11/13/2013

Initial Calibration Summary
Polynuclear Aromatic Hydrocarbons

Calibration ID: CAL12907
Instrument ID: MS11

Column: MS

Level ID	File ID	Level ID	File ID
A	J:\MS11\DATA\111313\1113F003.D	G	J:\MS11\DATA\111313\1113F009.D
B	J:\MS11\DATA\111313\1113F004.D	H	J:\MS11\DATA\111313\1113F010.D
C	J:\MS11\DATA\111313\1113F005.D	I	J:\MS11\DATA\111313\1113F011.D
D	J:\MS11\DATA\111313\1113F006.D	J	J:\MS11\DATA\111313\1113F012.D
E	J:\MS11\DATA\111313\1113F007.D		
F	J:\MS11\DATA\111313\1113F008.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	1.19	B	4.0	1.13	C	8.0	1.15	D	20	1.14	E	100	1.04
	F	200	1.03	G	400	0.994	H	1000	0.955	I	1600	0.896	J	2000	0.873
2-Methylnaphthalene	A	2.0	0.794	B	4.0	0.758	C	8.0	0.755	D	20	0.768	E	100	0.725
	F	200	0.716	G	400	0.699	H	1000	0.681	I	1600	0.641	J	2000	0.622
Acenaphthylene	A	2.0	2.05	B	4.0	2.00	C	8.0	2.05	D	20	2.04	E	100	2.02
	F	200	2.10	G	400	2.03	H	1000	1.99	I	1600	1.85	J	2000	1.76
Acenaphthene	A	2.0	1.25	B	4.0	1.18	C	8.0	1.26	D	20	1.27	E	100	1.17
	F	200	1.18	G	400	1.15	H	1000	1.15	I	1600	1.08	J	2000	1.05
Fluorene	A	2.0	1.53	B	4.0	1.42	C	8.0	1.45	D	20	1.52	E	100	1.48
	F	200	1.50	G	400	1.42	H	1000	1.41	I	1600	1.34	J	2000	1.29
Phenanthrene	A	2.0	1.31	B	4.0	1.16	C	8.0	1.16	D	20	1.22	E	100	1.12
	F	200	1.13	G	400	1.07	H	1000	1.08	I	1600	0.992	J	2000	0.944
Anthracene	A	2.0	1.11	B	4.0	1.03	C	8.0	1.09	D	20	1.12	E	100	1.10
	F	200	1.15	G	400	1.08	H	1000	1.13	I	1600	1.03	J	2000	1.02
Fluoranthene	A	2.0	1.29	B	4.0	1.21	C	8.0	1.22	D	20	1.29	E	100	1.33
	F	200	1.38	G	400	1.27	H	1000	1.23	I	1600	1.13	J	2000	1.09
Pyrene	A	2.0	1.25	B	4.0	1.23	C	8.0	1.24	D	20	1.27	E	100	1.19
	F	200	1.21	G	400	1.19	H	1000	1.19	I	1600	1.10	J	2000	1.07
Benz(a)anthracene	A	2.0	1.40	B	4.0	1.16	C	8.0	1.14	D	20	1.12	E	100	1.06
	F	200	1.08	G	400	1.10	H	1000	1.16	I	1600	1.09	J	2000	1.09
Chrysene	A	2.0	1.06	B	4.0	1.02	C	8.0	1.05	D	20	1.04	E	100	1.02
	F	200	1.02	G	400	1.02	H	1000	1.05	I	1600	0.993	J	2000	0.973
Benzo(b)fluoranthene	A	2.0	1.26	B	4.0	1.22	C	8.0	1.25	D	20	1.21	E	100	1.20
	F	200	1.25	G	400	1.22	H	1000	1.24	I	1600	1.19	J	2000	1.15
Benzo(k)fluoranthene	A	2.0	1.19	B	4.0	1.10	C	8.0	1.19	D	20	1.17	E	100	1.17
	F	200	1.20	G	400	1.19	H	1000	1.21	I	1600	1.13	J	2000	1.09
Benzo(a)pyrene	A	2.0	1.03	B	4.0	0.972	C	8.0	1.01	D	20	0.999	E	100	0.993
	F	200	1.05	G	400	1.06	H	1000	1.11	I	1600	1.06	J	2000	1.03

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: K1313167
Calibration Date: 11/13/2013

Initial Calibration Summary
Polynuclear Aromatic Hydrocarbons

Calibration ID: CAL12907
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	0.904	B	4.0	0.802	C	8.0	0.802	D	20	0.865	E	100	0.950
	F	200	0.970	G	400	0.968	H	1000	0.986	I	1600	0.938	J	2000	0.909
Dibenz(a,h)anthracene	A	2.0	0.858	B	4.0	0.823	C	8.0	0.855	D	20	0.918	E	100	0.967
	F	200	0.974	G	400	0.976	H	1000	0.995	I	1600	0.948	J	2000	0.928
Benzo(g,h,i)perylene	A	2.0	1.14	B	4.0	1.06	C	8.0	1.07	D	20	1.10	E	100	1.13
	F	200	1.12	G	400	1.08	H	1000	1.05	I	1600	0.988	J	2000	0.957
Fluorene-d10	A	2.0	1.12	B	4.0	1.07	C	8.0	1.09	D	20	1.12	E	100	1.09
	F	200	1.13	G	400	1.11	H	1000	1.11	I	1600	1.07	J	2000	1.04
Fluoranthene-d10	A	2.0	1.07	B	4.0	1.00	C	8.0	0.986	D	20	1.02	E	100	1.06
	F	200	1.09	G	400	1.08	H	1000	1.09	I	1600	1.03	J	2000	0.985
Terphenyl-d14	A	2.0	1.03	B	4.0	0.778	C	8.0	0.800	D	20	0.800	E	100	0.759
	F	200	0.761	G	400	0.759	H	1000	0.782	I	1600	0.732	J	2000	0.709

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: K1313167
Calibration Date: 11/13/2013

Initial Calibration Summary
Polynuclear Aromatic Hydrocarbons

Calibration ID: CAL12907
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	10.7		≤20	1.04		0.70
2-Methylnaphthalene	MS	AverageRF	% RSD	7.8		≤20	0.716		0.40
Acenaphthylene	MS	AverageRF	% RSD	5.2		≤20	1.99		0.90
Acenaphthene	MS	AverageRF	% RSD	6.1		≤20	1.18		0.90
Fluorene	MS	AverageRF	% RSD	5.3		≤20	1.43		0.90
Phenanthrene	MS	AverageRF	% RSD	9.4		≤20	1.12		0.70
Anthracene	MS	AverageRF	% RSD	4.1		≤20	1.08		0.70
Fluoranthene	MS	AverageRF	% RSD	7.1		≤20	1.24		0.60
Pyrene	MS	AverageRF	% RSD	5.3		≤20	1.19		0.60
Benz(a)anthracene	MS	AverageRF	% RSD	8.5		≤20	1.14		0.80
Chrysene	MS	AverageRF	% RSD	2.7		≤20	1.02		0.70
Benzo(b)fluoranthene	MS	AverageRF	% RSD	2.9		≤20	1.22		0.70
Benzo(k)fluoranthene	MS	AverageRF	% RSD	3.6		≤20	1.16		0.70
Benzo(a)pyrene	MS	AverageRF	% RSD	3.9		≤20	1.03		0.70
Indeno(1,2,3-cd)pyrene	MS	AverageRF	% RSD	7.4		≤20	0.910		0.50
Dibenz(a,h)anthracene	MS	AverageRF	% RSD	6.5		≤20	0.924		0.40
Benzo(g,h,i)perylene	MS	AverageRF	% RSD	5.5		≤20	1.07		0.50
Fluorene-d10	SURR	AverageRF	% RSD	2.6		≤20	1.10		0.01
Fluoranthene-d10	SURR	AverageRF	% RSD	4.0		≤20	1.04		0.01
Terphenyl-d14	SURR	AverageRF	% RSD	11.1		≤20	0.791		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: K1313167
Calibration Date: 11/13/2013
Date Analyzed: 11/13/2013

Second Source Calibration Verification
Polynuclear Aromatic Hydrocarbons

Calibration Type: Internal Standard
Analysis Method: 8270D SIM

Calibration ID: CAL12907
Units: ng/ml

File ID: *J:\MS11\DATA\111313\1113X014.D*

Analyte Name	Expected	Result	Average RF	SSV RF	%D	%Drift	Criteria	Curve Fit
Naphthalene	400	400	1.04	1.03	-1	NA	± 30 %	AverageRF
2-Methylnaphthalene	400	390	0.716	0.696	-3	NA	± 30 %	AverageRF
Acenaphthylene	400	420	1.99	2.11	6	NA	± 30 %	AverageRF
Acenaphthene	400	400	1.18	1.18	1	NA	± 30 %	AverageRF
Fluorene	400	410	1.43	1.47	3	NA	± 30 %	AverageRF
Phenanthrene	400	400	1.12	1.10	-1	NA	± 30 %	AverageRF
Anthracene	400	440	1.08	1.19	10	NA	± 30 %	AverageRF
Fluoranthene	400	420	1.24	1.32	6	NA	± 30 %	AverageRF
Pyrene	400	400	1.19	1.20	0	NA	± 30 %	AverageRF
Benz(a)anthracene	400	400	1.14	1.14	0	NA	± 30 %	AverageRF
Chrysene	400	420	1.02	1.08	5	NA	± 30 %	AverageRF
Benzo(b)fluoranthene	400	410	1.22	1.24	2	NA	± 30 %	AverageRF
Benzo(k)fluoranthene	400	400	1.16	1.17	1	NA	± 30 %	AverageRF
Benzo(a)pyrene	400	430	1.03	1.10	6	NA	± 30 %	AverageRF
Indeno(1,2,3-cd)pyrene	400	440	0.910	0.998	10	NA	± 30 %	AverageRF
Dibenz(a,h)anthracene	400	430	0.924	0.998	8	NA	± 30 %	AverageRF
Benzo(g,h,i)perylene	400	410	1.07	1.10	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: K1313167
Date Analyzed: 12/10/2013

Continuing Calibration Verification Summary
Polynuclear Aromatic Hydrocarbons

Calibration Type: Internal Standard
Analysis Method: 8270D SIM

Calibration Date: 11/13/2013
Calibration ID: CAL12907
Analysis Lot: KWG1313634
Units: ng/ml

File ID: J:\MS11\DATA\121013\1210F006.D

Analyte Name	Expected	Result	Min RF	Average RF	CCV RF	%D	%Drift	Criteria	Curve Fit
Naphthalene	400	380	0.70	1.04	0.998	-4	NA	± 20 %	AverageRF
2-Methylnaphthalene	400	380	0.40	0.716	0.683	-5	NA	± 20 %	AverageRF
Acenaphthylene	400	370	0.90	1.99	1.84	-8	NA	± 20 %	AverageRF
Acenaphthene	400	380	0.90	1.18	1.13	-4	NA	± 20 %	AverageRF
Fluorene	400	390	0.90	1.43	1.38	-4	NA	± 20 %	AverageRF
Phenanthrene	400	370	0.70	1.12	1.04	-7	NA	± 20 %	AverageRF
Anthracene	400	310	0.70	1.08	0.833	-23 *	NA	± 20 %	AverageRF
Fluoranthene	400	390	0.60	1.24	1.22	-2	NA	± 20 %	AverageRF
Pyrene	400	400	0.60	1.19	1.20	1	NA	± 20 %	AverageRF
Benz(a)anthracene	400	390	0.80	1.14	1.10	-3	NA	± 20 %	AverageRF
Chrysene	400	390	0.70	1.02	0.994	-3	NA	± 20 %	AverageRF
Benzo(b)fluoranthene	400	430	0.70	1.22	1.32	9	NA	± 20 %	AverageRF
Benzo(k)fluoranthene	400	430	0.70	1.16	1.24	7	NA	± 20 %	AverageRF
Benzo(a)pyrene	400	400	0.70	1.03	1.04	0	NA	± 20 %	AverageRF
Indeno(1,2,3-cd)pyrene	400	420	0.50	0.910	0.957	5	NA	± 20 %	AverageRF
Dibenz(a,h)anthracene	400	330	0.40	0.924	0.772	-16	NA	± 20 %	AverageRF
Benzo(g,h,i)perylene	400	380	0.50	1.07	1.02	-5	NA	± 20 %	AverageRF
Fluorene-d10	400	390	0.01	1.10	1.07	-2	NA	± 20 %	AverageRF
Fluoranthene-d10	400	400	0.01	1.04	1.05	1	NA	± 20 %	AverageRF
Terphenyl-d14	400	390	0.01	0.791	0.774	-2	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: K1313167
Date Analyzed: 12/11/2013

Continuing Calibration Verification Summary
Polynuclear Aromatic Hydrocarbons

Calibration Type: Internal Standard
Analysis Method: 8270D SIM

Calibration Date: 11/13/2013
Calibration ID: CAL12907
Analysis Lot: KWG1313681
Units: ng/ml

File ID: J:\MS11\DATA\121113\1211F002.D

Analyte Name	Expected	Result	Min RF	Average RF	CCV RF	%D		%Drift	Criteria	Curve Fit
Naphthalene	400	380	0.70	1.04	0.996	-4		NA	± 20 %	AverageRF
2-Methylnaphthalene	400	400	0.40	0.716	0.716	0		NA	± 20 %	AverageRF
Acenaphthylene	400	370	0.90	1.99	1.83	-8		NA	± 20 %	AverageRF
Acenaphthene	400	380	0.90	1.18	1.12	-4		NA	± 20 %	AverageRF
Fluorene	400	400	0.90	1.43	1.44	1		NA	± 20 %	AverageRF
Phenanthrene	400	380	0.70	1.12	1.06	-5		NA	± 20 %	AverageRF
Anthracene	400	330	0.70	1.08	0.903	-17		NA	± 20 %	AverageRF
Fluoranthene	400	410	0.60	1.24	1.28	3		NA	± 20 %	AverageRF
Pyrene	400	380	0.60	1.19	1.14	-4		NA	± 20 %	AverageRF
Benz(a)anthracene	400	390	0.80	1.14	1.10	-4		NA	± 20 %	AverageRF
Chrysene	400	390	0.70	1.02	0.996	-3		NA	± 20 %	AverageRF
Benzo(b)fluoranthene	400	440	0.70	1.22	1.35	11		NA	± 20 %	AverageRF
Benzo(k)fluoranthene	400	450	0.70	1.16	1.29	11		NA	± 20 %	AverageRF
Benzo(a)pyrene	400	420	0.70	1.03	1.07	4		NA	± 20 %	AverageRF
Indeno(1,2,3-cd)pyrene	400	560	0.50	0.910	1.26	39	*	NA	± 20 %	AverageRF
Dibenz(a,h)anthracene	400	490	0.40	0.924	1.14	23	*	NA	± 20 %	AverageRF
Benzo(g,h,i)perylene	400	460	0.50	1.07	1.24	15		NA	± 20 %	AverageRF
Fluorene-d10	400	400	0.01	1.10	1.11	1		NA	± 20 %	AverageRF
Fluoranthene-d10	400	420	0.01	1.04	1.10	5		NA	± 20 %	AverageRF
Terphenyl-d14	400	380	0.01	0.791	0.744	-6		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: K1313167

Analysis Run Log
Polynuclear Aromatic Hydrocarbons

Analysis Method: 8270D SIM

Analysis Lot: KWG1313634
Instrument ID: MS11

File ID	Sample Name	Lab Code	Date Analysis Started	Start Time	Q	Date Analysis Finished	Finish Time
1210F005.D	GC/MS Tuning - Decafluorotriphenylp	KWG1313634-1	12/10/2013	07:44		12/10/2013	08:04
1210F006.D	Continuing Calibration Verification	KWG1313634-2	12/10/2013	08:11		12/10/2013	08:30
1210F007.D	ZZZZZZ	ZZZZZZ	12/10/2013	08:39		12/10/2013	08:58
1210F008.D	ZZZZZZ	ZZZZZZ	12/10/2013	09:07		12/10/2013	09:26
1210F009.D	ZZZZZZ	ZZZZZZ	12/10/2013	09:36		12/10/2013	09:55
1210F010.D	ZZZZZZ	ZZZZZZ	12/10/2013	10:04		12/10/2013	10:23
1210F011.D	ZZZZZZ	ZZZZZZ	12/10/2013	10:32		12/10/2013	10:51
1210F012.D	ZZZZZZ	ZZZZZZ	12/10/2013	11:00		12/10/2013	11:19
1210F013.D	ZZZZZZ	ZZZZZZ	12/10/2013	11:29		12/10/2013	11:48
1210F014.D	ZZZZZZ	ZZZZZZ	12/10/2013	11:57		12/10/2013	12:16
1210F015.D	ZZZZZZ	ZZZZZZ	12/10/2013	12:25		12/10/2013	12:44
1210F016.D	Method Blank	KWG1313420-3	12/10/2013	12:54		12/10/2013	13:13
1210F017.D	Lab Control Sample	KWG1313420-1	12/10/2013	13:22		12/10/2013	13:41
1210F018.D	Duplicate Lab Control Sample	KWG1313420-2	12/10/2013	13:50		12/10/2013	14:09
1210F019.D	MW-15	K1313167-002	12/10/2013	14:19		12/10/2013	14:38
1210F020.D	MW-16	K1313167-003	12/10/2013	14:47		12/10/2013	15:06
1210F026.D	MW-36	K1313167-021	12/10/2013	17:34		12/10/2013	17:53

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: K1313167

Analysis Run Log
Polynuclear Aromatic Hydrocarbons

Analysis Method: 8270D SIM

Analysis Lot: KWG1313681
Instrument ID: MS11

File ID	Sample Name	Lab Code	Date Analysis Started	Start Time	Q	Date Analysis Finished	Finish Time
1211F001.D	GC/MS Tuning - Decafluorotriphenylp	KWG1313681-1	12/11/2013	08:39		12/11/2013	08:58
1211F002.D	Continuing Calibration Verification	KWG1313681-2	12/11/2013	09:07		12/11/2013	09:26
1211F004.D	MW-17	K1313167-004	12/11/2013	10:21		12/11/2013	10:40
1211F005.D	MW-18	K1313167-005	12/11/2013	10:49		12/11/2013	11:08
1211F006.D	MW-2	K1313167-006	12/11/2013	11:16		12/11/2013	11:35
1211F007.D	MW-30	K1313167-015	12/11/2013	11:44		12/11/2013	12:03
1211F008.D	MW-35	K1313167-020	12/11/2013	12:12		12/11/2013	12:31
1211F009.D	ZZZZZZ	ZZZZZZ	12/11/2013	12:40		12/11/2013	12:59
1211F010.D	MW-37	K1313167-022	12/11/2013	13:08		12/11/2013	13:27
1211F011.D	Field Blank Rinsate	K1313167-030	12/11/2013	13:35		12/11/2013	13:54
1211F012.D	MW-3	K1313167-031	12/11/2013	14:03		12/11/2013	14:22
1211F013.D	ZZZZZZ	ZZZZZZ	12/11/2013	14:31		12/11/2013	14:50
1211F014.D	ZZZZZZ	ZZZZZZ	12/11/2013	14:58		12/11/2013	15:17
1211F015.D	ZZZZZZ	ZZZZZZ	12/11/2013	15:26		12/11/2013	15:45
1211F016.D	ZZZZZZ	ZZZZZZ	12/11/2013	15:54		12/11/2013	16:13

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: K1313167
Date Extracted: 12/05/2013

Extraction Prep Log
Polynuclear Aromatic Hydrocarbons

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

Extraction Lot: KWG1313420
Level: Low

Sample Name	Lab Code	Date Collected	Date Received	Sample Amount	Final Volume	% Solids	Note
MW-15	K1313167-002	12/02/13	12/04/13	1060ml	5ml	NA	
MW-16	K1313167-003	12/02/13	12/04/13	1060ml	5ml	NA	
MW-17	K1313167-004	12/02/13	12/04/13	1060ml	5ml	NA	
MW-18	K1313167-005	12/02/13	12/04/13	1060ml	5ml	NA	
MW-2	K1313167-006	12/02/13	12/04/13	1060ml	5ml	NA	
MW-30	K1313167-015	12/03/13	12/04/13	1060ml	5ml	NA	
MW-35	K1313167-020	12/01/13	12/04/13	1060ml	5ml	NA	
MW-36	K1313167-021	12/01/13	12/04/13	1060ml	5ml	NA	
MW-37	K1313167-022	12/02/13	12/04/13	1060ml	5ml	NA	
Field Blank Rinsate	K1313167-030	12/02/13	12/04/13	1060ml	5ml	NA	
MW-3	K1313167-031	12/01/13	12/04/13	1020ml	5ml	NA	
Method Blank	KWG1313420-3	NA	NA	1060ml	5ml	NA	
Lab Control Sample	KWG1313420-1	NA	NA	1000ml	5ml	NA	
Duplicate Lab Control Sample	KWG1313420-2	NA	NA	1000ml	5ml	NA	

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

1317 South 13th Avenue
Kelso, WA 98626
T: +1 360 577 7222
F: +1 360 636 1068
www.alsglobal.com

December 19, 2013

Analytical Report for Service Request No: K1313168

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 December 04, 2013. For your reference, these analyses have been assigned our service request number K1313168.

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/ln

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.
Y	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.:**	K1313168
Project:	J.H. Baxter-Arlington	**Date Received:**	12/04/13
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 12/04/13. The samples were received in good condition and consistent with the accompanying chain of custody form, except where noted on the cooler receipt and preservation form included in this report. 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 PCP 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.

Elevated Detection Limits:
Most field samples 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.

Polynuclear Aromatic Hydrocarbons by EPA Method 8270

Calibration Verification Exceptions:
The following analytes were flagged as outside the control criterion for Continuing Calibration Verification (CCV) MS11\1210F006.D: Anthracene. In accordance with the EPA Method, 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. No further corrective action was required.

The following analytes were flagged as outside the control criterion for Continuing Calibration Verification (CCV) MS11\1211F002.D: Indeno(1,2,3-cd)pyrene, Dibenz(a,h)anthracene. In accordance with the EPA Method, 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. No further corrective action was required.

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.

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# K1313168

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
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 / PCP only	8270D / PAH SIM	7D			Remarks
1 BXS-1	12-2	1456		H_2O	2	X	X				
2 BXS-2	12-2	1542									
3 BXS-5	12-2	1400									
4 *											
5											
6											
7											
8											
9											
10											
11											

* Trip 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)
___ 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:

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: Scott Thielke	Date/Time: 12-3-13 0945	Signature:	Date/Time: 12/4/13 1205	Signature	Date/Time	Signature	Date/Time
Printed Name: SCOTT THIELKE	Firm: JH BAXTER	Printed Name:	Firm: ACS	Printed Name	Firm	Printed Name	Firm

8

ALS

PC CL

Cooler Receipt and Preservation Form

Client / Project: JM BAXTER Service Request K13 13168

Received: 12/4/13 Opened: 12/4/13 By: AM Unloaded: 12/4/13 By: AM

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? 4 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
2.6	2.7	2.0	2.1	0.1	325		8041 0011 4065	
4.4	4.3	2.9	2.8	-0.1	298		8041 0011 4076	
3.5	3.5	2.8	2.8	0.0	334		8041 0011 4054	
1.8	1.8	0.7	0.7	0.0	316		8041 0011 3852	

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: Sent email re: Trip blank for analysis -CL 12/4

Page ____ *of* ____

Pentachlorophenol

Organic Analysis:
Pentachlorophenol

Summary Package

Sample and QC Results

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

Service Request: K1313168

Cover Page - Organic Analysis Data Package
Pentachlorophenol

Sample Name	Lab Code	Date Collected	Date Received
BXS-1	K1313168-001	12/02/2013	12/04/2013
BXS-2	K1313168-002	12/02/2013	12/04/2013
BXS-5	K1313168-003	12/02/2013	12/04/2013

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: _____ Title: _____

ALS Group USA, Corp. dba ALS Environmental

Analytical Results

Client:	JH Baxter & Company	**Service Request:**	K1313168
Project:	J.H. Baxter-Arlington	**Date Collected:**	12/02/2013
Sample Matrix:	Water	**Date Received:**	12/04/2013

Pentachlorophenol

Sample Name:	BXS-1	**Units:**	ug/L
Lab Code:	K1313168-001	**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	57	D	5.0	1.6	10	12/04/13	12/10/13	KWG1313485	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
4-Bromo-2,6-dichlorophenol	75	33-114	12/07/13	Acceptable

Comments:

ALS Group USA, Corp. dba ALS Environmental

Analytical Results

Client:	JH Baxter & Company	**Service Request:**	K1313168
Project:	J.H. Baxter-Arlington	**Date Collected:**	12/02/2013
Sample Matrix:	Water	**Date Received:**	12/04/2013

Pentachlorophenol

Sample Name:	BXS-2	**Units:**	ug/L
Lab Code:	K1313168-002	**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	12/04/13	12/07/13	KWG1313485	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
4-Bromo-2,6-dichlorophenol	85	33-114	12/07/13	Acceptable

Comments:

ALS Group USA, Corp. dba ALS Environmental

Analytical Results

Client:	JH Baxter & Company	**Service Request:**	K1313168
Project:	J.H. Baxter-Arlington	**Date Collected:**	12/02/2013
Sample Matrix:	Water	**Date Received:**	12/04/2013

Pentachlorophenol

Sample Name:	BXS-5	**Units:**	ug/L
Lab Code:	K1313168-003	**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	**58**	D	5.0	1.6	10	12/04/13	12/10/13	KWG1313485	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
4-Bromo-2,6-dichlorophenol	71	33-114	12/07/13	Acceptable

Comments:

ALS Group USA, Corp. dba ALS Environmental

Analytical Results

Client:	JH Baxter & Company	**Service Request:**	K1313168
Project:	J.H. Baxter-Arlington	**Date Collected:**	NA
Sample Matrix:	Water	**Date Received:**	NA

Pentachlorophenol

Sample Name:	Method Blank	**Units:**	ug/L
Lab Code:	KWG1313485-4	**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	12/04/13	12/07/13	KWG1313485	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
4-Bromo-2,6-dichlorophenol	82	33-114	12/07/13	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: K1313168

Surrogate Recovery Summary
Pentachlorophenol

Extraction Method: Method
Analysis Method: 8151M

Units: Percent
Level: Low

Sample Name	Lab Code	Sur1
BXS-1	K1313168-001	75
BXS-2	K1313168-002	85
BXS-5	K1313168-003	71
Batch QC	K1313169-001	76
Method Blank	KWG1313485-4	82
Batch QCMS	KWG1313485-1	78
Batch QCDMS	KWG1313485-2	78
Lab Control Sample	KWG1313485-3	77

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:**	K1313168
Project:	J.H. Baxter-Arlington	**Date Extracted:**	12/04/2013
Sample Matrix:	Water	**Date Analyzed:**	12/07/2013

Matrix Spike/Duplicate Matrix Spike Summary
Pentachlorophenol

Sample Name:	Batch QC	**Units:**	ug/L
Lab Code:	K1313169-001	**Basis:**	NA
Extraction Method:	Method	**Level:**	Low
Analysis Method:	8151M	**Extraction Lot:**	KWG1313485

		Batch QCMS KWG1313485-1 Matrix Spike			Batch QCDMS KWG1313485-2 Duplicate Matrix Spike					
Analyte Name	**Sample Result**	**Result**	**Spike Amount**	**%Rec**	**Result**	**Spike Amount**	**%Rec**	**%Rec Limits**	**RPD**	**RPD Limit**
Pentachlorophenol	630	346E	10.0	-2842 #	346E	10.0	-2842 #	40-106	0	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:**	K1313168
Project:	J.H. Baxter-Arlington	**Date Extracted:**	12/04/2013
Sample Matrix:	Water	**Date Analyzed:**	12/07/2013

Lab Control Spike Summary
Pentachlorophenol

Extraction Method:	Method	**Units:**	ug/L
Analysis Method:	8151M	**Basis:**	NA
		Level:	Low
		Extraction Lot:	KWG1313485

	Lab Control Sample KWG1313485-3 Lab Control Spike			
Analyte Name	**Result**	**Spike Amount**	**%Rec**	**%Rec Limits**
Pentachlorophenol	7.24	10.0	72	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:**	K1313168
Project:	J.H. Baxter-Arlington	**Date Extracted:**	12/04/2013
Sample Matrix:	Water	**Date Analyzed:**	12/07/2013
		Time Analyzed:	00:31

Method Blank Summary
Pentachlorophenol

Sample Name:	Method Blank	**Instrument ID:**	GC27
Lab Code:	KWG1313485-4	**File ID:**	J:\GC27\DATA\120613BP\1206B035.D
Extraction Method:	Method	**Level:**	Low
Analysis Method:	8151M	**Extraction Lot:**	KWG1313485

This Method Blank applies to the following analyses:

Sample Name	Lab Code	File ID	Date Analyzed	Time Analyzed
Lab Control Sample	KWG1313485-3	J:\GC27\DATA\120613BP\1206B034.D	12/07/13	00:16
BXS-1	K1313168-001	J:\GC27\DATA\120613BP\1206B055.D	12/07/13	05:34
BXS-2	K1313168-002	J:\GC27\DATA\120613BP\1206B056.D	12/07/13	05:49
BXS-5	K1313168-003	J:\GC27\DATA\120613BP\1206B057.D	12/07/13	06:04
Batch QC	K1313169-001	J:\GC27\DATA\120613BP\1206B058.D	12/07/13	06:20
Batch QCMS	KWG1313485-1	J:\GC27\DATA\120613BP\1206B059.D	12/07/13	06:35
Batch QCDMS	KWG1313485-2	J:\GC27\DATA\120613BP\1206B060.D	12/07/13	06:50
BXS-1	K1313168-001	J:\GC27\DATA\120913P\1209F040.D	12/10/13	01:05
BXS-5	K1313168-003	J:\GC27\DATA\120913P\1209F043.D	12/10/13	01:50
Batch QC	K1313169-001	J:\GC27\DATA\120913P\1209F044.D	12/10/13	02:05

ALS Group USA, Corp. dba ALS Environmental

QA/QC Report

Client:	JH Baxter & Company	**Service Request:**	K1313168
Project:	J.H. Baxter-Arlington	**Date Extracted:**	12/04/2013
Sample Matrix:	Water	**Date Analyzed:**	12/07/2013
		Time Analyzed:	00:16

Lab Control Sample Summary
Pentachlorophenol

Sample Name:	Lab Control Sample	**Instrument ID:**	GC27
Lab Code:	KWG1313485-3	**File ID:**	J:\GC27\DATA\120613BP\1206B034.D
Extraction Method:	Method	**Level:**	Low
Analysis Method:	8151M	**Extraction Lot:**	KWG1313485

This Lab Control Sample applies to the following analyses:

Sample Name	Lab Code	File ID	Date Analyzed	Time Analyzed
Method Blank	KWG1313485-4	J:\GC27\DATA\120613BP\1206B035.D	12/07/13	00:31
BXS-1	K1313168-001	J:\GC27\DATA\120613BP\1206B055.D	12/07/13	05:34
BXS-2	K1313168-002	J:\GC27\DATA\120613BP\1206B056.D	12/07/13	05:49
BXS-5	K1313168-003	J:\GC27\DATA\120613BP\1206B057.D	12/07/13	06:04
Batch QC	K1313169-001	J:\GC27\DATA\120613BP\1206B058.D	12/07/13	06:20
Batch QCMS	KWG1313485-1	J:\GC27\DATA\120613BP\1206B059.D	12/07/13	06:35
Batch QCDMS	KWG1313485-2	J:\GC27\DATA\120613BP\1206B060.D	12/07/13	06:50
BXS-1	K1313168-001	J:\GC27\DATA\120913P\1209F040.D	12/10/13	01:05
BXS-5	K1313168-003	J:\GC27\DATA\120913P\1209F043.D	12/10/13	01:50
Batch QC	K1313169-001	J:\GC27\DATA\120913P\1209F044.D	12/10/13	02:05

ALS Group USA, Corp. dba ALS Environmental

QA/QC Results

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

Service Request: K1313168
Calibration Date: 11/22/2013

Initial Calibration Summary
Pentachlorophenol

Calibration ID: CAL12940
Instrument ID: GC27

Column: Rtx-5

Level ID	File ID	Level ID	File ID
A	J:\GC27\DATA\112213AP\1122A005.D	F	J:\GC27\DATA\112213AP\1122A010.D
B	J:\GC27\DATA\112213AP\1122A006.D	G	J:\GC27\DATA\112213AP\1122A011.D
C	J:\GC27\DATA\112213AP\1122A007.D	H	J:\GC27\DATA\112213AP\1122A012.D
D	J:\GC27\DATA\112213AP\1122A008.D	I	J:\GC27\DATA\112213AP\1122A013.D
E	J:\GC27\DATA\112213AP\1122A009.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	2.4	3.05E+6	B	4.8	3.00E+6	C	9.5	2.94E+6	D	24	2.59E+6	E	48	2.50E+6
	F	71	2.43E+6	G	95	2.42E+6	H	120	2.42E+6	I	140	2.47E+6			
4-Bromo-2,6-dichlorophenol	A	2.5	2.04E+6	B	5.0	2.06E+6	C	10	2.05E+6	D	25	1.89E+6	E	50	1.89E+6
	F	75	1.89E+6	G	100	1.90E+6	H	130	1.98E+6	I	150	2.00E+6			

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

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

Service Request: K1313168
Calibration Date: 11/22/2013

Initial Calibration Summary
Pentachlorophenol

Calibration ID: CAL12940
Instrument ID: GC27

Column: Rtx-5

		Calibration Evaluation				
Analyte Name	**Compound Type**	**Fit Type**	**Eval.**	**Eval. Result**	**Q**	**Control Criteria**
Pentachlorophenol	MS	AverageRF	% RSD	10.2		≤ 20
4-Bromo-2,6-dichlorophenol	SURR	AverageRF	% RSD	3.8		≤ 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: K1313168
Calibration Date: 11/22/2013
Date Analyzed: 11/22/2013

Second Source Calibration Verification
Pentachlorophenol

Calibration Type: External Standard
Analysis Method: 8151M

Calibration ID: CAL12940
Units: ug/L

File ID: J:\GC27\DATA\112213AP\1122A014.D

Column ID: Rtx-5

Analyte Name	Expected	Result	Average RF	SSV RF	%D	%Drift	Criteria	Curve Fit
Pentachlorophenol	24	26	2650000	2930000	11	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: K1313168
Calibration Date: 11/22/2013

Initial Calibration Summary
Pentachlorophenol

Calibration ID: CAL12940
Instrument ID: GC27

Column: Rtx-Dioxin 2

Level ID	File ID	Level ID	File ID
A	J:\GC27\DATA\112213AP\1122A005.D\1122A005c.d	F	J:\GC27\DATA\112213AP\1122A010.D\1122A010c.d
B	J:\GC27\DATA\112213AP\1122A006.D\1122A006c.d	G	J:\GC27\DATA\112213AP\1122A011.D\1122A011c.d
C	J:\GC27\DATA\112213AP\1122A007.D\1122A007c.d	H	J:\GC27\DATA\112213AP\1122A012.D\1122A012c.d
D	J:\GC27\DATA\112213AP\1122A008.D\1122A008c.d	I	J:\GC27\DATA\112213AP\1122A013.D\1122A013c.d
E	J:\GC27\DATA\112213AP\1122A009.D\1122A009c.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	2.4	1.45E+6	B	4.8	1.46E+6	C	9.5	1.43E+6	D	24	1.23E+6	E	48	1.17E+6
	F	71	1.12E+6	G	95	1.12E+6	H	120	1.09E+6	I	140	1.11E+6			
4-Bromo-2,6-dichlorophenol	A	2.5	7.90E+5	B	5.0	8.43E+5	C	10	8.58E+5	D	25	7.97E+5	E	50	7.76E+5
	F	75	7.69E+5	G	100	7.66E+5	H	130	7.89E+5	I	150	7.95E+5			

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

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

Service Request: K1313168
Calibration Date: 11/22/2013

Initial Calibration Summary
Pentachlorophenol

Calibration ID: CAL12940
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	12.7		≤ 20
4-Bromo-2,6-dichlorophenol	SURR	AverageRF	% RSD	4.0		≤ 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: K1313168
Calibration Date: 11/22/2013
Date Analyzed: 11/22/2013

Second Source Calibration Verification
Pentachlorophenol

Calibration Type: External Standard
Analysis Method: 8151M

Calibration ID: CAL12940
Units: ug/L

File ID: J:\GC27\DATA\112213AP\1122A014.D\1122A014c.d

Column ID: Rtx-Dioxin 2

Analyte Name	Expected	Result	Average RF	SSV RF	%D	%Drift	Criteria	Curve Fit
Pentachlorophenol	24	27	1240000	1400000	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: K1313168
Date Analyzed: 12/06/2013

Continuing Calibration Verification Summary
Pentachlorophenol

Calibration Type: External Standard
Analysis Method: 8151M

Calibration Date: 11/22/2013
Calibration ID: CAL12940
Analysis Lot: KWG1313600
Units: ug/L

File ID: J:\GC27\DATA\120613BP\1206B028.D

Column ID: Rtx-5

Analyte Name	Expected	Result	Average RF	CCV RF	%D	%Drift	Criteria	Curve Fit
Pentachlorophenol	48	45	2650000	2500000	-6	NA	± 20 %	AverageRF
4-Bromo-2,6-dichlorophenol	50	49	1970000	1930000	-2	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: K1313168
Date Analyzed: 12/06/2013

Continuing Calibration Verification Summary
Pentachlorophenol

Calibration Type: External Standard
Analysis Method: 8151M

Calibration Date: 11/22/2013
Calibration ID: CAL12940
Analysis Lot: KWG1313600
Units: ug/L

File ID: J:\GC27\DATA\120613BP\1206B028.D\1206B028C.D

Column ID: Rtx-Dioxin 2

Analyte Name	Expected	Result	Average RF	CCV RF	%D	%Drift	Criteria	Curve Fit
Pentachlorophenol	48	44	1240000	1150000	-7	NA	± 20 %	AverageRF
4-Bromo-2,6-dichlorophenol	50	51	798000	807000	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: K1313168
Date Analyzed: 12/07/2013

Continuing Calibration Verification Summary
Pentachlorophenol

Calibration Type: External Standard
Analysis Method: 8151M

Calibration Date: 11/22/2013
Calibration ID: CAL12940
Analysis Lot: KWG1313600
Units: ug/L

File ID: J:\GC27\DATA\120613BP\1206B041.D

Column ID: Rtx-5

Analyte Name	Expected	Result	Average RF	CCV RF	%D	%Drift	Criteria	Curve Fit
Pentachlorophenol	48	43	2650000	2390000	-10	NA	± 20 %	AverageRF
4-Bromo-2,6-dichlorophenol	50	47	1970000	1860000	-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: K1313168
Date Analyzed: 12/07/2013

Continuing Calibration Verification Summary
Pentachlorophenol

Calibration Type: External Standard
Analysis Method: 8151M

Calibration Date: 11/22/2013
Calibration ID: CAL12940
Analysis Lot: KWG1313600
Units: ug/L

File ID: J:\GC27\DATA\120613BP\1206B041.D\1206B041C.D

Column ID: Rtx-Dioxin 2

Analyte Name	Expected	Result	Average RF	CCV RF	%D	%Drift	Criteria	Curve Fit
Pentachlorophenol	48	42	1240000	1110000	-11	NA	± 20 %	AverageRF
4-Bromo-2,6-dichlorophenol	50	48	798000	767000	-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: K1313168
Date Analyzed: 12/07/2013

Continuing Calibration Verification Summary
Pentachlorophenol

Calibration Type: External Standard
Analysis Method: 8151M

Calibration Date: 11/22/2013
Calibration ID: CAL12940
Analysis Lot: KWG1313600
Units: ug/L

File ID: J:\GC27\DATA\120613BP\1206B052.D

Column ID: Rtx-5

Analyte Name	Expected	Result	Average RF	CCV RF	%D	%Drift	Criteria	Curve Fit
Pentachlorophenol	48	43	2650000	2420000	-8	NA	± 20 %	AverageRF
4-Bromo-2,6-dichlorophenol	50	48	1970000	1870000	-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: K1313168
Date Analyzed: 12/07/2013

Continuing Calibration Verification Summary
Pentachlorophenol

Calibration Type: External Standard
Analysis Method: 8151M

Calibration Date: 11/22/2013
Calibration ID: CAL12940
Analysis Lot: KWG1313600
Units: ug/L

File ID: J:\GC27\DATA\120613BP\1206B052.D\1206B052C.D

Column ID: Rtx-Dioxin 2

Analyte Name	Expected	Result	Average RF	CCV RF	%D	%Drift	Criteria	Curve Fit
Pentachlorophenol	48	42	1240000	1110000	-11	NA	± 20 %	AverageRF
4-Bromo-2,6-dichlorophenol	50	48	798000	768000	-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: K1313168
Date Analyzed: 12/07/2013

Continuing Calibration Verification Summary
Pentachlorophenol

Calibration Type: External Standard
Analysis Method: 8151M

Calibration Date: 11/22/2013
Calibration ID: CAL12940
Analysis Lot: KWG1313600
Units: ug/L

File ID: J:\GC27\DATA\120613BP\1206B061.D

Column ID: Rtx-5

Analyte Name	Expected	Result	Average RF	CCV RF	%D	%Drift	Criteria	Curve Fit
Pentachlorophenol	48	43	2650000	2400000	-9	NA	± 20 %	AverageRF
4-Bromo-2,6-dichlorophenol	50	49	1970000	1920000	-2	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: K1313168
Date Analyzed: 12/07/2013

Continuing Calibration Verification Summary
Pentachlorophenol

Calibration Type: External Standard
Analysis Method: 8151M

Calibration Date: 11/22/2013
Calibration ID: CAL12940
Analysis Lot: KWG1313600
Units: ug/L

File ID: J:\GC27\DATA\120613BP\1206B061.D\1206B061C.D

Column ID: Rtx-Dioxin 2

Analyte Name	Expected	Result	Average RF	CCV RF	%D	%Drift	Criteria	Curve Fit
Pentachlorophenol	48	42	1240000	1110000	-11	NA	± 20 %	AverageRF
4-Bromo-2,6-dichlorophenol	50	49	798000	783000	-2	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: K1313168
Date Analyzed: 12/09/2013

Continuing Calibration Verification Summary
Pentachlorophenol

Calibration Type: External Standard
Analysis Method: 8151M

Calibration Date: 11/22/2013
Calibration ID: CAL12940
Analysis Lot: KWG1313636
Units: ug/L

File ID: J:\GC27\DATA\120913P\1209F030.D

Column ID: Rtx-5

Analyte Name	Expected	Result	Average RF	CCV RF	%D	%Drift	Criteria	Curve Fit
Pentachlorophenol	48	44	2650000	2470000	-7	NA	± 20 %	AverageRF
4-Bromo-2,6-dichlorophenol	50	47	1970000	1860000	-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: K1313168
Date Analyzed: 12/09/2013

Continuing Calibration Verification Summary
Pentachlorophenol

Calibration Type: External Standard
Analysis Method: 8151M

Calibration Date: 11/22/2013
Calibration ID: CAL12940
Analysis Lot: KWG1313636
Units: ug/L

File ID: J:\GC27\DATA\120913P\1209F030.D\1209F030C.D

Column ID: Rtx-Dioxin 2

Analyte Name	Expected	Result	Average RF	CCV RF	%D	%Drift	Criteria	Curve Fit
Pentachlorophenol	48	43	1240000	1130000	-9	NA	± 20 %	AverageRF
4-Bromo-2,6-dichlorophenol	50	47	798000	756000	-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: K1313168
Date Analyzed: 12/10/2013

Continuing Calibration Verification Summary
Pentachlorophenol

Calibration Type: External Standard
Analysis Method: 8151M

Calibration Date: 11/22/2013
Calibration ID: CAL12940
Analysis Lot: KWG1313636
Units: ug/L

File ID: J:\GC27\DATA\120913P\1209F041.D

Column ID: Rtx-5

Analyte Name	Expected	Result	Average RF	CCV RF	%D	%Drift	Criteria	Curve Fit
Pentachlorophenol	48	45	2650000	2480000	-6	NA	± 20 %	AverageRF
4-Bromo-2,6-dichlorophenol	50	48	1970000	1880000	-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: K1313168
Date Analyzed: 12/10/2013

Continuing Calibration Verification Summary
Pentachlorophenol

Calibration Type: External Standard
Analysis Method: 8151M

Calibration Date: 11/22/2013
Calibration ID: CAL12940
Analysis Lot: KWG1313636
Units: ug/L

File ID: J:\GC27\DATA\120913P\1209F041.D\1209F041C.D

Column ID: Rtx-Dioxin 2

Analyte Name	Expected	Result	Average RF	CCV RF	%D	%Drift	Criteria	Curve Fit
Pentachlorophenol	48	44	1240000	1140000	-8	NA	± 20 %	AverageRF
4-Bromo-2,6-dichlorophenol	50	48	798000	760000	-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: K1313168
Date Analyzed: 12/10/2013

Continuing Calibration Verification Summary
Pentachlorophenol

Calibration Type: External Standard
Analysis Method: 8151M

Calibration Date: 11/22/2013
Calibration ID: CAL12940
Analysis Lot: KWG1313636
Units: ug/L

File ID: J:\GC27\DATA\120913P\1209F045.D

Column ID: Rtx-5

Analyte Name	Expected	Result	Average RF	CCV RF	%D	%Drift	Criteria	Curve Fit
Pentachlorophenol	48	45	2650000	2520000	-5	NA	± 20 %	AverageRF
4-Bromo-2,6-dichlorophenol	50	48	1970000	1880000	-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: K1313168
Date Analyzed: 12/10/2013

Continuing Calibration Verification Summary
Pentachlorophenol

Calibration Type: External Standard
Analysis Method: 8151M

Calibration Date: 11/22/2013
Calibration ID: CAL12940
Analysis Lot: KWG1313636
Units: ug/L

File ID: J:\GC27\DATA\120913P\1209F045.D\1209F045C.D

Column ID: Rtx-Dioxin 2

Analyte Name	Expected	Result	Average RF	CCV RF	%D	%Drift	Criteria	Curve Fit
Pentachlorophenol	48	44	1240000	1150000	-7	NA	± 20 %	AverageRF
4-Bromo-2,6-dichlorophenol	50	47	798000	756000	-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: K1313168

Analysis Run Log
Pentachlorophenol

Analysis Method: 8151M

Analysis Lot: KWG1313600
Instrument ID: GC27
Column: Rtx-5

File ID	Sample Name	Lab Code	Date Analysis Started	Start Time	Q	Date Analysis Finished	Finish Time
1206B004.D	Continuing Calibration Verification	KWG1313600-1	12/6/2013	16:41		12/6/2013	16:49
1206B005.D	Instrument Blank	KWG1313600-2	12/6/2013	16:56		12/6/2013	17:04
1206B006.D	ZZZZZZ	ZZZZZZ	12/6/2013	17:12		12/6/2013	17:20
1206B007.D	ZZZZZZ	ZZZZZZ	12/6/2013	17:27		12/6/2013	17:35
1206B008.D	ZZZZZZ	ZZZZZZ	12/6/2013	17:42		12/6/2013	17:50
1206B009.D	ZZZZZZ	ZZZZZZ	12/6/2013	17:57		12/6/2013	18:05
1206B010.D	ZZZZZZ	ZZZZZZ	12/6/2013	18:12		12/6/2013	18:20
1206B011.D	ZZZZZZ	ZZZZZZ	12/6/2013	18:27		12/6/2013	18:35
1206B012.D	ZZZZZZ	ZZZZZZ	12/6/2013	18:43		12/6/2013	18:51
1206B013.D	ZZZZZZ	ZZZZZZ	12/6/2013	18:58		12/6/2013	19:06
1206B014.D	ZZZZZZ	ZZZZZZ	12/6/2013	19:13		12/6/2013	19:21
1206B015.D	ZZZZZZ	ZZZZZZ	12/6/2013	19:28		12/6/2013	19:36
1206B016.D	ZZZZZZ	ZZZZZZ	12/6/2013	19:43		12/6/2013	19:51
1206B017.D	Continuing Calibration Verification	KWG1313600-3	12/6/2013	19:58		12/6/2013	20:06
1206B018.D	Instrument Blank	KWG1313600-4	12/6/2013	20:13		12/6/2013	20:21
1206B019.D	ZZZZZZ	ZZZZZZ	12/6/2013	20:29		12/6/2013	20:37
1206B020.D	ZZZZZZ	ZZZZZZ	12/6/2013	20:44		12/6/2013	20:52
1206B021.D	ZZZZZZ	ZZZZZZ	12/6/2013	20:59		12/6/2013	21:07
1206B022.D	ZZZZZZ	ZZZZZZ	12/6/2013	21:14		12/6/2013	21:22
1206B023.D	ZZZZZZ	ZZZZZZ	12/6/2013	21:29		12/6/2013	21:37
1206B024.D	ZZZZZZ	ZZZZZZ	12/6/2013	21:44		12/6/2013	21:52
1206B025.D	ZZZZZZ	ZZZZZZ	12/6/2013	21:59		12/6/2013	22:07
1206B026.D	ZZZZZZ	ZZZZZZ	12/6/2013	22:15		12/6/2013	22:23
1206B027.D	ZZZZZZ	ZZZZZZ	12/6/2013	22:30		12/6/2013	22:38
1206B028.D	Continuing Calibration Verification	KWG1313600-5	12/6/2013	22:45		12/6/2013	22:53
1206B029.D	Instrument Blank	KWG1313600-6	12/6/2013	23:00		12/6/2013	23:08
1206B030.D	ZZZZZZ	ZZZZZZ	12/6/2013	23:15		12/6/2013	23:23
1206B031.D	ZZZZZZ	ZZZZZZ	12/6/2013	23:30		12/6/2013	23:38
1206B032.D	ZZZZZZ	ZZZZZZ	12/6/2013	23:45		12/6/2013	23:53
1206B033.D	ZZZZZZ	ZZZZZZ	12/7/2013	00:01		12/7/2013	00:09
1206B034.D	Lab Control Sample	KWG1313485-3	12/7/2013	00:16		12/7/2013	00:24
1206B035.D	Method Blank	KWG1313485-4	12/7/2013	00:31		12/7/2013	00:39
1206B036.D	ZZZZZZ	ZZZZZZ	12/7/2013	00:46		12/7/2013	00:54
1206B037.D	ZZZZZZ	ZZZZZZ	12/7/2013	01:01		12/7/2013	01:09

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: K1313168

Analysis Run Log
Pentachlorophenol

Analysis Method: 8151M

Analysis Lot: KWG1313600
Instrument ID: GC27
Column: Rtx-5

File ID	Sample Name	Lab Code	Date Analysis Started	Start Time	Q	Date Analysis Finished	Finish Time
1206B038.D	ZZZZZZ	ZZZZZZ	12/7/2013	01:16		12/7/2013	01:24
1206B039.D	ZZZZZZ	ZZZZZZ	12/7/2013	01:32		12/7/2013	01:40
1206B040.D	ZZZZZZ	ZZZZZZ	12/7/2013	01:47		12/7/2013	01:55
1206B041.D	Continuing Calibration Verification	KWG1313600-7	12/7/2013	02:02		12/7/2013	02:10
1206B042.D	Instrument Blank	KWG1313600-8	12/7/2013	02:17		12/7/2013	02:25
1206B043.D	ZZZZZZ	ZZZZZZ	12/7/2013	02:32		12/7/2013	02:40
1206B044.D	ZZZZZZ	ZZZZZZ	12/7/2013	02:47		12/7/2013	02:55
1206B045.D	ZZZZZZ	ZZZZZZ	12/7/2013	03:03		12/7/2013	03:11
1206B046.D	ZZZZZZ	ZZZZZZ	12/7/2013	03:18		12/7/2013	03:26
1206B047.D	ZZZZZZ	ZZZZZZ	12/7/2013	03:33		12/7/2013	03:41
1206B048.D	ZZZZZZ	ZZZZZZ	12/7/2013	03:48		12/7/2013	03:56
1206B049.D	ZZZZZZ	ZZZZZZ	12/7/2013	04:03		12/7/2013	04:11
1206B050.D	ZZZZZZ	ZZZZZZ	12/7/2013	04:18		12/7/2013	04:26
1206B051.D	ZZZZZZ	ZZZZZZ	12/7/2013	04:33		12/7/2013	04:41
1206B052.D	Continuing Calibration Verification	KWG1313600-9	12/7/2013	04:49		12/7/2013	04:57
1206B053.D	Instrument Blank	KWG1313600-10	12/7/2013	05:04		12/7/2013	05:12
1206B054.D	ZZZZZZ	ZZZZZZ	12/7/2013	05:19		12/7/2013	05:27
1206B055.D	BXS-1	K1313168-001	12/7/2013	05:34		12/7/2013	05:42
1206B056.D	BXS-2	K1313168-002	12/7/2013	05:49		12/7/2013	05:57
1206B057.D	BXS-5	K1313168-003	12/7/2013	06:04		12/7/2013	06:12
1206B058.D	Batch QC	K1313169-001	12/7/2013	06:20		12/7/2013	06:28
1206B059.D	Batch QCMS	KWG1313485-1	12/7/2013	06:35		12/7/2013	06:43
1206B060.D	Batch QCDMS	KWG1313485-2	12/7/2013	06:50		12/7/2013	06:58
1206B061.D	Continuing Calibration Verification	KWG1313600-11	12/7/2013	07:05		12/7/2013	07:13
1206B062.D	Instrument Blank	KWG1313600-12	12/7/2013	07:20		12/7/2013	07:28

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: K1313168

Analysis Run Log
Pentachlorophenol

Analysis Method: 8151M

Analysis Lot: KWG1313636
Instrument ID: GC27
Column: Rtx-5

File ID	Sample Name	Lab Code	Date Analysis Started	Start Time	Q	Date Analysis Finished	Finish Time
1209F006.D	Continuing Calibration Verification	KWG1313636-1	12/9/2013	16:24		12/9/2013	16:32
1209F007.D	Instrument Blank	KWG1313636-2	12/9/2013	16:40		12/9/2013	16:48
1209F008.D	ZZZZZZ	ZZZZZZ	12/9/2013	16:59		12/9/2013	17:07
1209F009.D	ZZZZZZ	ZZZZZZ	12/9/2013	17:14		12/9/2013	17:22
1209F010.D	ZZZZZZ	ZZZZZZ	12/9/2013	17:29		12/9/2013	17:37
1209F011.D	ZZZZZZ	ZZZZZZ	12/9/2013	17:44		12/9/2013	17:52
1209F012.D	ZZZZZZ	ZZZZZZ	12/9/2013	18:00		12/9/2013	18:08
1209F013.D	ZZZZZZ	ZZZZZZ	12/9/2013	18:15		12/9/2013	18:23
1209F014.D	ZZZZZZ	ZZZZZZ	12/9/2013	18:30		12/9/2013	18:38
1209F015.D	ZZZZZZ	ZZZZZZ	12/9/2013	18:45		12/9/2013	18:53
1209F016.D	ZZZZZZ	ZZZZZZ	12/9/2013	19:01		12/9/2013	19:09
1209F017.D	ZZZZZZ	ZZZZZZ	12/9/2013	19:16		12/9/2013	19:24
1209F018.D	ZZZZZZ	ZZZZZZ	12/9/2013	19:31		12/9/2013	19:39
1209F019.D	Continuing Calibration Verification	KWG1313636-3	12/9/2013	19:46		12/9/2013	19:54
1209F020.D	Instrument Blank	KWG1313636-4	12/9/2013	20:01		12/9/2013	20:09
1209F021.D	ZZZZZZ	ZZZZZZ	12/9/2013	20:16		12/9/2013	20:24
1209F022.D	ZZZZZZ	ZZZZZZ	12/9/2013	20:32		12/9/2013	20:40
1209F023.D	ZZZZZZ	ZZZZZZ	12/9/2013	20:47		12/9/2013	20:55
1209F024.D	ZZZZZZ	ZZZZZZ	12/9/2013	21:02		12/9/2013	21:10
1209F028.D	ZZZZZZ	ZZZZZZ	12/9/2013	22:03		12/9/2013	22:11
1209F029.D	ZZZZZZ	ZZZZZZ	12/9/2013	22:18		12/9/2013	22:26
1209F030.D	Continuing Calibration Verification	KWG1313636-5	12/9/2013	22:33		12/9/2013	22:41
1209F031.D	Instrument Blank	KWG1313636-6	12/9/2013	22:48		12/9/2013	22:56
1209F032.D	ZZZZZZ	ZZZZZZ	12/9/2013	23:03		12/9/2013	23:11
1209F033.D	ZZZZZZ	ZZZZZZ	12/9/2013	23:18		12/9/2013	23:26
1209F034.D	ZZZZZZ	ZZZZZZ	12/9/2013	23:34		12/9/2013	23:42
1209F035.D	ZZZZZZ	ZZZZZZ	12/9/2013	23:49		12/9/2013	23:57
1209F036.D	ZZZZZZ	ZZZZZZ	12/10/2013	00:04		12/10/2013	00:12
1209F037.D	ZZZZZZ	ZZZZZZ	12/10/2013	00:19		12/10/2013	00:27
1209F038.D	ZZZZZZ	ZZZZZZ	12/10/2013	00:34		12/10/2013	00:42
1209F039.D	ZZZZZZ	ZZZZZZ	12/10/2013	00:49		12/10/2013	00:57
1209F040.D	BXS-1	K1313168-001	12/10/2013	01:05		12/10/2013	01:13
1209F041.D	Continuing Calibration Verification	KWG1313636-7	12/10/2013	01:20		12/10/2013	01:28
1209F042.D	Instrument Blank	KWG1313636-8	12/10/2013	01:35		12/10/2013	01:43

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: K1313168

Analysis Run Log
Pentachlorophenol

Analysis Method: 8151M

Analysis Lot: KWG1313636
Instrument ID: GC27
Column: Rtx-5

File ID	Sample Name	Lab Code	Date Analysis Started	Start Time	Q	Date Analysis Finished	Finish Time
1209F043.D	BXS-5	K1313168-003	12/10/2013	01:50		12/10/2013	01:58
1209F044.D	Batch QC	K1313169-001	12/10/2013	02:05		12/10/2013	02:13
1209F045.D	Continuing Calibration Verification	KWG1313636-9	12/10/2013	02:20		12/10/2013	02:28
1209F046.D	Instrument Blank	KWG1313636-10	12/10/2013	02:36		12/10/2013	02:44

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: K1313168
Date Extracted: 12/04/2013

Extraction Prep Log
Pentachlorophenol

Extraction Method: Method
Analysis Method: 8151M

Extraction Lot: KWG1313485
Level: Low

Sample Name	Lab Code	Date Collected	Date Received	Sample Amount	Final Volume	% Solids	Note
BXS-1	K1313168-001	12/02/13	12/04/13	5mL	1mL	NA	
BXS-1DL	K1313168-001	12/02/13	12/04/13	5mL	1mL	NA	
BXS-2	K1313168-002	12/02/13	12/04/13	5mL	1mL	NA	
BXS-5	K1313168-003	12/02/13	12/04/13	5mL	1mL	NA	
BXS-5DL	K1313168-003	12/02/13	12/04/13	5mL	1mL	NA	
Method Blank	KWG1313485-4	NA	NA	5mL	1mL	NA	
Batch QC	K1313169-001	NA	NA	5mL	1mL	NA	
Batch QCDL	K1313169-001	NA	NA	5mL	1mL	NA	
Batch QCMS	KWG1313485-1	NA	NA	5mL	1mL	NA	
Batch QCDMS	KWG1313485-2	NA	NA	5mL	1mL	NA	
Lab Control Sample	KWG1313485-3	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: K1313168
Date Collected: 12/02/2013
Date Received: 12/04/2013
Date Extracted: 12/04/2013

Pentachlorophenol

Sample Name: BXS-1
Lab Code: K1313168-001
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	57	57	0.0	D	10	12/10/13

ALS Group USA, Corp. dba ALS Environmental

Confirmation Results

Client:	JH Baxter & Company	**Service Request:**	K1313168
Project:	J.H. Baxter-Arlington	**Date Collected:**	12/02/2013
Sample Matrix:	Water	**Date Received:**	12/04/2013
		Date Extracted:	12/04/2013

Pentachlorophenol

Sample Name:	BXS-5	**Units:**	ug/L
Lab Code:	K1313168-003	**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	5.0	1.6	58	59	1.7	D	10	12/10/13

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: K1313168

Cover Page - Organic Analysis Data Package
Polynuclear Aromatic Hydrocarbons

Sample Name	Lab Code	Date Collected	Date Received
BXS-1	K1313168-001	12/02/2013	12/04/2013
BXS-2	K1313168-002	12/02/2013	12/04/2013
BXS-5	K1313168-003	12/02/2013	12/04/2013

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: 12/12/13 Title: SVOC Supervisor

ALS Group USA, Corp. dba ALS Environmental

Analytical Results

Client:	JH Baxter & Company	**Service Request:**	K1313168
Project:	J.H. Baxter-Arlington	**Date Collected:**	12/02/2013
Sample Matrix:	Water	**Date Received:**	12/04/2013

Polynuclear Aromatic Hydrocarbons

Sample Name:	BXS-1	**Units:**	ug/L
Lab Code:	K1313168-001	**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	**0.042**		0.020	0.0038	1	12/05/13	12/11/13	KWG1313420	
2-Methylnaphthalene	**0.0029**	J	0.020	0.0023	1	12/05/13	12/11/13	KWG1313420	
Acenaphthylene	ND	U	0.020	0.0034	1	12/05/13	12/11/13	KWG1313420	
Acenaphthene	ND	U	0.020	0.0044	1	12/05/13	12/11/13	KWG1313420	
Fluorene	ND	U	0.020	0.0038	1	12/05/13	12/11/13	KWG1313420	
Phenanthrene	ND	U	0.020	0.0050	1	12/05/13	12/11/13	KWG1313420	
Anthracene	ND	U	0.020	0.0036	1	12/05/13	12/11/13	KWG1313420	
Fluoranthene	ND	U	0.020	0.010	1	12/05/13	12/11/13	KWG1313420	
Pyrene	ND	U	0.020	0.0053	1	12/05/13	12/11/13	KWG1313420	
Benz(a)anthracene	ND	U	0.020	0.0026	1	12/05/13	12/11/13	KWG1313420	
Chrysene	ND	U	0.020	0.0034	1	12/05/13	12/11/13	KWG1313420	
Benzo(b)fluoranthene	ND	U	0.020	0.0041	1	12/05/13	12/11/13	KWG1313420	
Benzo(k)fluoranthene	ND	U	0.020	0.0030	1	12/05/13	12/11/13	KWG1313420	
Benzo(a)pyrene	ND	U	0.020	0.0043	1	12/05/13	12/11/13	KWG1313420	
Indeno(1,2,3-cd)pyrene	ND	U	0.020	0.0026	1	12/05/13	12/11/13	KWG1313420	
Dibenz(a,h)anthracene	ND	U	0.020	0.0025	1	12/05/13	12/11/13	KWG1313420	
Benzo(g,h,i)perylene	ND	U	0.020	0.0029	1	12/05/13	12/11/13	KWG1313420	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
Fluorene-d10	90	46-114	12/11/13	Acceptable
Fluoranthene-d10	105	51-121	12/11/13	Acceptable
Terphenyl-d14	90	58-140	12/11/13	Acceptable

Comments:

ALS Group USA, Corp. dba ALS Environmental

Analytical Results

Client:	JH Baxter & Company	**Service Request:**	K1313168
Project:	J.H. Baxter-Arlington	**Date Collected:**	12/02/2013
Sample Matrix:	Water	**Date Received:**	12/04/2013

Polynuclear Aromatic Hydrocarbons

Sample Name:	BXS-2	**Units:**	ug/L
Lab Code:	K1313168-002	**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	**0.057**		0.019	0.0038	1	12/05/13	12/11/13	KWG1313420	
2-Methylnaphthalene	**0.0042**	J	0.019	0.0023	1	12/05/13	12/11/13	KWG1313420	
Acenaphthylene	ND	U	0.019	0.0034	1	12/05/13	12/11/13	KWG1313420	
Acenaphthene	ND	U	0.019	0.0044	1	12/05/13	12/11/13	KWG1313420	
Fluorene	ND	U	0.019	0.0038	1	12/05/13	12/11/13	KWG1313420	
Phenanthrene	ND	U	0.019	0.0050	1	12/05/13	12/11/13	KWG1313420	
Anthracene	ND	U	0.019	0.0036	1	12/05/13	12/11/13	KWG1313420	
Fluoranthene	ND	U	0.019	0.010	1	12/05/13	12/11/13	KWG1313420	
Pyrene	ND	U	0.019	0.0053	1	12/05/13	12/11/13	KWG1313420	
Benz(a)anthracene	ND	U	0.019	0.0026	1	12/05/13	12/11/13	KWG1313420	
Chrysene	ND	U	0.019	0.0034	1	12/05/13	12/11/13	KWG1313420	
Benzo(b)fluoranthene	ND	U	0.019	0.0041	1	12/05/13	12/11/13	KWG1313420	
Benzo(k)fluoranthene	ND	U	0.019	0.0030	1	12/05/13	12/11/13	KWG1313420	
Benzo(a)pyrene	ND	U	0.019	0.0043	1	12/05/13	12/11/13	KWG1313420	
Indeno(1,2,3-cd)pyrene	ND	U	0.019	0.0026	1	12/05/13	12/11/13	KWG1313420	
Dibenz(a,h)anthracene	ND	U	0.019	0.0025	1	12/05/13	12/11/13	KWG1313420	
Benzo(g,h,i)perylene	ND	U	0.019	0.0029	1	12/05/13	12/11/13	KWG1313420	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
Fluorene-d10	89	46-114	12/11/13	Acceptable
Fluoranthene-d10	99	51-121	12/11/13	Acceptable
Terphenyl-d14	89	58-140	12/11/13	Acceptable

Comments:

ALS Group USA, Corp. dba ALS Environmental

Analytical Results

Client:	JH Baxter & Company	**Service Request:**	K1313168
Project:	J.H. Baxter-Arlington	**Date Collected:**	12/02/2013
Sample Matrix:	Water	**Date Received:**	12/04/2013

Polynuclear Aromatic Hydrocarbons

Sample Name:	BXS-5	**Units:**	ug/L
Lab Code:	K1313168-003	**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	**0.058**		0.020	0.0038	1	12/05/13	12/11/13	KWG1313420	
2-Methylnaphthalene	**0.0031**	J	0.020	0.0023	1	12/05/13	12/11/13	KWG1313420	
Acenaphthylene	ND	U	0.020	0.0034	1	12/05/13	12/11/13	KWG1313420	
Acenaphthene	ND	U	0.020	0.0044	1	12/05/13	12/11/13	KWG1313420	
Fluorene	ND	U	0.020	0.0038	1	12/05/13	12/11/13	KWG1313420	
Phenanthrene	ND	U	0.020	0.0050	1	12/05/13	12/11/13	KWG1313420	
Anthracene	ND	U	0.020	0.0036	1	12/05/13	12/11/13	KWG1313420	
Fluoranthene	ND	U	0.020	0.010	1	12/05/13	12/11/13	KWG1313420	
Pyrene	ND	U	0.020	0.0053	1	12/05/13	12/11/13	KWG1313420	
Benz(a)anthracene	ND	U	0.020	0.0026	1	12/05/13	12/11/13	KWG1313420	
Chrysene	ND	U	0.020	0.0034	1	12/05/13	12/11/13	KWG1313420	
Benzo(b)fluoranthene	ND	U	0.020	0.0041	1	12/05/13	12/11/13	KWG1313420	
Benzo(k)fluoranthene	ND	U	0.020	0.0030	1	12/05/13	12/11/13	KWG1313420	
Benzo(a)pyrene	ND	U	0.020	0.0043	1	12/05/13	12/11/13	KWG1313420	
Indeno(1,2,3-cd)pyrene	ND	U	0.020	0.0026	1	12/05/13	12/11/13	KWG1313420	
Dibenz(a,h)anthracene	ND	U	0.020	0.0025	1	12/05/13	12/11/13	KWG1313420	
Benzo(g,h,i)perylene	ND	U	0.020	0.0029	1	12/05/13	12/11/13	KWG1313420	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
Fluorene-d10	93	46-114	12/11/13	Acceptable
Fluoranthene-d10	101	51-121	12/11/13	Acceptable
Terphenyl-d14	91	58-140	12/11/13	Acceptable

Comments:

ALS Group USA, Corp. dba ALS Environmental

Analytical Results

Client:	JH Baxter & Company	**Service Request:**	K1313168
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:	KWG1313420-3	**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	**0.0057**	J	0.019	0.0038	1	12/05/13	12/10/13	KWG1313420	
2-Methylnaphthalene	**0.0044**	J	0.019	0.0023	1	12/05/13	12/10/13	KWG1313420	
Acenaphthylene	ND	U	0.019	0.0034	1	12/05/13	12/10/13	KWG1313420	
Acenaphthene	ND	U	0.019	0.0044	1	12/05/13	12/10/13	KWG1313420	
Fluorene	ND	U	0.019	0.0038	1	12/05/13	12/10/13	KWG1313420	
Phenanthrene	**0.0053**	J	0.019	0.0050	1	12/05/13	12/10/13	KWG1313420	
Anthracene	ND	U	0.019	0.0036	1	12/05/13	12/10/13	KWG1313420	*
Fluoranthene	ND	U	0.019	0.010	1	12/05/13	12/10/13	KWG1313420	
Pyrene	ND	U	0.019	0.0053	1	12/05/13	12/10/13	KWG1313420	
Benz(a)anthracene	ND	U	0.019	0.0026	1	12/05/13	12/10/13	KWG1313420	
Chrysene	ND	U	0.019	0.0034	1	12/05/13	12/10/13	KWG1313420	
Benzo(b)fluoranthene	ND	U	0.019	0.0041	1	12/05/13	12/10/13	KWG1313420	
Benzo(k)fluoranthene	ND	U	0.019	0.0030	1	12/05/13	12/10/13	KWG1313420	
Benzo(a)pyrene	ND	U	0.019	0.0043	1	12/05/13	12/10/13	KWG1313420	
Indeno(1,2,3-cd)pyrene	ND	U	0.019	0.0026	1	12/05/13	12/10/13	KWG1313420	
Dibenz(a,h)anthracene	ND	U	0.019	0.0025	1	12/05/13	12/10/13	KWG1313420	
Benzo(g,h,i)perylene	ND	U	0.019	0.0029	1	12/05/13	12/10/13	KWG1313420	

* See Case Narrative

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
Fluorene-d10	85	46-114	12/10/13	Acceptable
Fluoranthene-d10	88	51-121	12/10/13	Acceptable
Terphenyl-d14	90	58-140	12/10/13	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: K1313168

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	K1313168-001	90	105	90
BXS-2	K1313168-002	89	99	89
BXS-5	K1313168-003	93	101	91
Method Blank	KWG1313420-3	85	88	90
Lab Control Sample	KWG1313420-1	89	92	97
Duplicate Lab Control Sample	KWG1313420-2	88	99	102

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.

ALS Group USA, Corp. dba ALS Environmental

QA/QC Report

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

Service Request: K1313168
Date Analyzed: 12/10/2013
Time Analyzed: 08:11

Internal Standard Area and RT Summary
Polynuclear Aromatic Hydrocarbons

File ID: J:\MS11\DATA\121013\1210F006.D
Instrument ID: MS11
Analysis Method: 8270D SIM

Lab Code: KWG1313634-2
Analysis Lot: KWG1313634

		Naphthalene-d8		Acenaphthene-d10		Phenanthrene-d10	
		Area	RT	Area	RT	Area	RT
	Results ==>	87,271	5.09	46,313	6.50	92,053	7.74
	Upper Limit ==>	174,542	5.59	92,626	7.00	184,106	8.24
	Lower Limit ==>	43,636	4.59	23,157	6.00	46,027	7.24
	ICAL Result ==>	114,410	5.12	61,160	6.53	118,657	7.76
Associated Analyses							
Method Blank	KWG1313420-3	107,847	5.09	61,157	6.51	110,525	7.75
Lab Control Sample	KWG1313420-1	105,253	5.09	56,698	6.51	109,335	7.75
Duplicate Lab Control Sample	KWG1313420-2	101,739	5.09	54,793	6.51	105,297	7.75

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: K1313168
Date Analyzed: 12/10/2013
Time Analyzed: 08:11

Internal Standard Area and RT Summary
Polynuclear Aromatic Hydrocarbons

File ID: J:\MS11\DATA\121013\1210F006.D
Instrument ID: MS11
Analysis Method: 8270D SIM

Lab Code: KWG1313634-2
Analysis Lot: KWG1313634

		Chrysene-d12		Perylene-d12	
		Area	RT	Area	RT
	Results ==>	98,831	10.68	91,823	14.76
	Upper Limit ==>	197,662	11.18	183,646	15.26
	Lower Limit ==>	49,416	10.18	45,912	14.26
	ICAL Result ==>	134,935	10.68	129,342	14.69
Associated Analyses					
Method Blank	KWG1313420-3	114,369	10.70	114,769	14.81
Lab Control Sample	KWG1313420-1	106,698	10.70	114,318	14.81
Duplicate Lab Control Sample	KWG1313420-2	106,372	10.70	107,119	14.80

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: K1313168
Date Analyzed: 12/11/2013
Time Analyzed: 09:07

Internal Standard Area and RT Summary
Polynuclear Aromatic Hydrocarbons

File ID: J:\MS11\DATA\121113\1211F002.D
Instrument ID: MS11
Analysis Method: 8270D SIM

Lab Code: KWG1313681-2
Analysis Lot: KWG1313681

		Naphthalene-d8		Acenaphthene-d10		Phenanthrene-d10	
		Area	RT	Area	RT	Area	RT
	Results ==>	83,814	5.09	47,645	6.50	94,470	7.74
	Upper Limit ==>	167,628	5.59	95,290	7.00	188,940	8.24
	Lower Limit ==>	41,907	4.59	23,823	6.00	47,235	7.24
	ICAL Result ==>	114,410	5.12	61,160	6.53	118,657	7.76
Associated Analyses							
BXS-1	K1313168-001	91,270	5.09	52,473	6.50	101,513	7.74
BXS-2	K1313168-002	90,645	5.09	52,273	6.50	104,114	7.74
BXS-5	K1313168-003	88,681	5.08	50,494	6.50	101,015	7.74

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:**	K1313168
Project:	J.H. Baxter-Arlington	**Date Analyzed:**	12/11/2013
		Time Analyzed:	09:07

Internal Standard Area and RT Summary
Polynuclear Aromatic Hydrocarbons

File ID:	J:\MS11\DATA\121113\1211F002.D	**Lab Code:**	KWG1313681-2
Instrument ID:	MS11	**Analysis Lot:**	KWG1313681
Analysis Method:	8270D SIM		

		Chrysene-d12		Perylene-d12	
		Area	**RT**	**Area**	**RT**
	Results ==>	112,443	10.67	100,907	14.75
	Upper Limit ==>	224,886	11.17	201,814	15.25
	Lower Limit ==>	56,222	10.17	50,454	14.25
	ICAL Result ==>	134,935	10.68	129,342	14.69
Associated Analyses					
BXS-1	K1313168-001	125,887	10.67	124,635	14.74
BXS-2	K1313168-002	120,192	10.67	125,452	14.76
BXS-5	K1313168-003	121,887	10.67	122,712	14.74

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
Sample Matrix: Water

Service Request: K1313168
Date Extracted: 12/05/2013
Date Analyzed: 12/10/2013

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: KWG1313420

	Lab Control Sample KWG1313420-1 Lab Control Spike			Duplicate Lab Control Sample KWG1313420-2 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	2.47	2.50	99	39-110	6	30
2-Methylnaphthalene	2.38	2.50	95	2.54	2.50	102	39-115	7	30
Acenaphthylene	2.43	2.50	97	2.52	2.50	101	44-115	4	30
Acenaphthene	2.41	2.50	96	2.52	2.50	101	44-113	5	30
Fluorene	2.49	2.50	100	2.57	2.50	103	48-118	3	30
Phenanthrene	2.46	2.50	98	2.54	2.50	101	47-120	3	30
Anthracene	2.42	2.50	97	2.58	2.50	103	44-117	6	30
Fluoranthene	2.40	2.50	96	2.68	2.50	107	48-128	11	30
Pyrene	2.75	2.50	110	2.98	2.50	119	42-133	8	30
Benz(a)anthracene	2.66	2.50	106	2.80	2.50	112	48-125	5	30
Chrysene	2.71	2.50	109	2.89	2.50	115	50-128	6	30
Benzo(b)fluoranthene	2.56	2.50	102	2.85	2.50	114	49-131	11	30
Benzo(k)fluoranthene	2.54	2.50	102	2.71	2.50	109	54-131	6	30
Benzo(a)pyrene	2.61	2.50	104	2.73	2.50	109	43-134	5	30
Indeno(1,2,3-cd)pyrene	2.43	2.50	97	2.16	2.50	87	45-133	12	30
Dibenz(a,h)anthracene	2.07	2.50	83	1.76	2.50	71	49-133	16	30
Benzo(g,h,i)perylene	2.35	2.50	94	2.15	2.50	86	51-124	9	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:**	K1313168
Project:	J.H. Baxter-Arlington	**Date Extracted:**	12/05/2013
Sample Matrix:	Water	**Date Analyzed:**	12/10/2013
		Time Analyzed:	12:54

Method Blank Summary
Polynuclear Aromatic Hydrocarbons

Sample Name:	Method Blank	**Instrument ID:**	MS11
Lab Code:	KWG1313420-3	**File ID:**	J:\MS11\DATA\121013\1210F016.D
Extraction Method:	EPA 3520C	**Level:**	Low
Analysis Method:	8270D SIM	**Extraction Lot:**	KWG1313420

This Method Blank applies to the following analyses:

Sample Name	Lab Code	File ID	Date Analyzed	Time Analyzed
Lab Control Sample	KWG1313420-1	J:\MS11\DATA\121013\1210F017.D	12/10/13	13:22
Duplicate Lab Control Sample	KWG1313420-2	J:\MS11\DATA\121013\1210F018.D	12/10/13	13:50
BXS-1	K1313168-001	J:\MS11\DATA\121113\1211F014.D	12/11/13	14:58
BXS-2	K1313168-002	J:\MS11\DATA\121113\1211F015.D	12/11/13	15:26
BXS-5	K1313168-003	J:\MS11\DATA\121113\1211F016.D	12/11/13	15:54

ALS Group USA, Corp. dba ALS Environmental

QA/QC Report

Client:	JH Baxter & Company	**Service Request:**	K1313168
Project:	J.H. Baxter-Arlington	**Date Extracted:**	12/05/2013
Sample Matrix:	Water	**Date Analyzed:**	12/10/2013
		Time Analyzed:	13:22

Lab Control Sample Summary
Polynuclear Aromatic Hydrocarbons

Sample Name:	Lab Control Sample	**Instrument ID:**	MS11
Lab Code:	KWG1313420-1	**File ID:**	J:\MS11\DATA\121013\1210F017.D
Extraction Method:	EPA 3520C	**Level:**	Low
Analysis Method:	8270D SIM	**Extraction Lot:**	KWG1313420

This Lab Control Sample applies to the following analyses:

Sample Name	Lab Code	File ID	Date Analyzed	Time Analyzed
Method Blank	KWG1313420-3	J:\MS11\DATA\121013\1210F016.D	12/10/13	12:54
BXS-1	K1313168-001	J:\MS11\DATA\121113\1211F014.D	12/11/13	14:58
BXS-2	K1313168-002	J:\MS11\DATA\121113\1211F015.D	12/11/13	15:26
BXS-5	K1313168-003	J:\MS11\DATA\121113\1211F016.D	12/11/13	15:54

ALS Group USA, Corp. dba ALS Environmental

QA/QC Results

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

Service Request: K1313168
Date Analyzed: 12/10/2013
Time Analyzed: 07:44

Tune Summary
Polynuclear Aromatic Hydrocarbons

File ID: J:\MS11\DATA\121013\1210F005.D
Instrument ID: MS11
Column:

Analysis Method: 8270D SIM
Analysis Lot: KWG1313634

Target Mass	Relative to Mass	Lower Limit%	Upper Limit%	Relative Abundance %	Raw Abundance	Result Pass/Fail
51	198	10	80	33.5	23394	PASS
68	69	0	2	0.0	0	PASS
69	198	0	100	35.9	25083	PASS
70	69	0	2	0.0	0	PASS
127	198	10	80	44.4	30997	PASS
197	198	0	2	0.0	0	PASS
198	442	30	100	37.1	69866	PASS
199	198	5	9	6.9	4795	PASS
275	198	10	60	38.0	26560	PASS
365	442	1	50	2.5	4614	PASS
441	443	0	100	74.8	27538	PASS
442	442	100	100	100.0	188250	PASS
443	442	15	24	19.6	36805	PASS

Sample Name	Lab Code	File ID	Date Analyzed	Time Analyzed	Q
Continuing Calibration Verification	KWG1313634-2	J:\MS11\DATA\121013\1210F006.D	12/10/2013	08:11	
Method Blank	KWG1313420-3	J:\MS11\DATA\121013\1210F016.D	12/10/2013	12:54	
Lab Control Sample	KWG1313420-1	J:\MS11\DATA\121013\1210F017.D	12/10/2013	13:22	
Duplicate Lab Control Sample	KWG1313420-2	J:\MS11\DATA\121013\1210F018.D	12/10/2013	13:50	

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: K1313168
Date Analyzed: 12/11/2013
Time Analyzed: 08:39

Tune Summary
Polynuclear Aromatic Hydrocarbons

File ID: J:\MS11\DATA\121113\1211F001.D
Instrument ID: MS11
Column:

Analysis Method: 8270D SIM
Analysis Lot: KWG1313681

Target Mass	Relative to Mass	Lower Limit%	Upper Limit%	Relative Abundance %	Raw Abundance	Result* Pass/Fail
51	198	10	80	39.6	25308	PASS
68	69	0	2	0.0	0	PASS
69	198	0	100	41.6	26579	PASS
70	69	0	2	0.0	0	PASS
127	198	10	80	46.1	29494	PASS
197	198	0	2	0.0	0	PASS
198	442	30	100	41.4	63938	PASS
199	198	5	9	7.2	4632	PASS
275	198	10	60	37.3	23847	PASS
365	442	1	50	2.9	4440	PASS
441	443	0	100	71.5	22130	PASS
442	442	100	100	100.0	154519	PASS
443	442	15	24	20.0	30933	PASS

Sample Name	Lab Code	File ID	Date Analyzed	Time Analyzed	Q
Continuing Calibration Verification	KWG1313681-2	J:\MS11\DATA\121113\1211F002.D	12/11/2013	09:07	
BXS-1	K1313168-001	J:\MS11\DATA\121113\1211F014.D	12/11/2013	14:58	
BXS-2	K1313168-002	J:\MS11\DATA\121113\1211F015.D	12/11/2013	15:26	
BXS-5	K1313168-003	J:\MS11\DATA\121113\1211F016.D	12/11/2013	15:54	

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: K1313168
Calibration Date: 11/13/2013

Initial Calibration Summary
Polynuclear Aromatic Hydrocarbons

Calibration ID: CAL12907
Instrument ID: MS11

Column: MS

Level ID	File ID	Level ID	File ID
A	J:\MS11\DATA\111313\1113F003.D	G	J:\MS11\DATA\111313\1113F009.D
B	J:\MS11\DATA\111313\1113F004.D	H	J:\MS11\DATA\111313\1113F010.D
C	J:\MS11\DATA\111313\1113F005.D	I	J:\MS11\DATA\111313\1113F011.D
D	J:\MS11\DATA\111313\1113F006.D	J	J:\MS11\DATA\111313\1113F012.D
E	J:\MS11\DATA\111313\1113F007.D		
F	J:\MS11\DATA\111313\1113F008.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	1.19	B	4.0	1.13	C	8.0	1.15	D	20	1.14	E	100	1.04
	F	200	1.03	G	400	0.994	H	1000	0.955	I	1600	0.896	J	2000	0.873
2-Methylnaphthalene	A	2.0	0.794	B	4.0	0.758	C	8.0	0.755	D	20	0.768	E	100	0.725
	F	200	0.716	G	400	0.699	H	1000	0.681	I	1600	0.641	J	2000	0.622
Acenaphthylene	A	2.0	2.05	B	4.0	2.00	C	8.0	2.05	D	20	2.04	E	100	2.02
	F	200	2.10	G	400	2.03	H	1000	1.99	I	1600	1.85	J	2000	1.76
Acenaphthene	A	2.0	1.25	B	4.0	1.18	C	8.0	1.26	D	20	1.27	E	100	1.17
	F	200	1.18	G	400	1.15	H	1000	1.15	I	1600	1.08	J	2000	1.05
Fluorene	A	2.0	1.53	B	4.0	1.42	C	8.0	1.45	D	20	1.52	E	100	1.48
	F	200	1.50	G	400	1.42	H	1000	1.41	I	1600	1.34	J	2000	1.29
Phenanthrene	A	2.0	1.31	B	4.0	1.16	C	8.0	1.16	D	20	1.22	E	100	1.12
	F	200	1.13	G	400	1.07	H	1000	1.08	I	1600	0.992	J	2000	0.944
Anthracene	A	2.0	1.11	B	4.0	1.03	C	8.0	1.09	D	20	1.12	E	100	1.10
	F	200	1.15	G	400	1.08	H	1000	1.13	I	1600	1.03	J	2000	1.02
Fluoranthene	A	2.0	1.29	B	4.0	1.21	C	8.0	1.22	D	20	1.29	E	100	1.33
	F	200	1.38	G	400	1.27	H	1000	1.23	I	1600	1.13	J	2000	1.09
Pyrene	A	2.0	1.25	B	4.0	1.23	C	8.0	1.24	D	20	1.27	E	100	1.19
	F	200	1.21	G	400	1.19	H	1000	1.19	I	1600	1.10	J	2000	1.07
Benz(a)anthracene	A	2.0	1.40	B	4.0	1.16	C	8.0	1.14	D	20	1.12	E	100	1.06
	F	200	1.08	G	400	1.10	H	1000	1.16	I	1600	1.09	J	2000	1.09
Chrysene	A	2.0	1.06	B	4.0	1.02	C	8.0	1.05	D	20	1.04	E	100	1.02
	F	200	1.02	G	400	1.02	H	1000	1.05	I	1600	0.993	J	2000	0.973
Benzo(b)fluoranthene	A	2.0	1.26	B	4.0	1.22	C	8.0	1.25	D	20	1.21	E	100	1.20
	F	200	1.25	G	400	1.22	H	1000	1.24	I	1600	1.19	J	2000	1.15
Benzo(k)fluoranthene	A	2.0	1.19	B	4.0	1.10	C	8.0	1.19	D	20	1.17	E	100	1.17
	F	200	1.20	G	400	1.19	H	1000	1.21	I	1600	1.13	J	2000	1.09
Benzo(a)pyrene	A	2.0	1.03	B	4.0	0.972	C	8.0	1.01	D	20	0.999	E	100	0.993
	F	200	1.05	G	400	1.06	H	1000	1.11	I	1600	1.06	J	2000	1.03

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: K1313168
Calibration Date: 11/13/2013

Initial Calibration Summary
Polynuclear Aromatic Hydrocarbons

Calibration ID: CAL12907
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	0.904	B	4.0	0.802	C	8.0	0.802	D	20	0.865	E	100	0.950
	F	200	0.970	G	400	0.968	H	1000	0.986	I	1600	0.938	J	2000	0.909
Dibenz(a,h)anthracene	A	2.0	0.858	B	4.0	0.823	C	8.0	0.855	D	20	0.918	E	100	0.967
	F	200	0.974	G	400	0.976	H	1000	0.995	I	1600	0.948	J	2000	0.928
Benzo(g,h,i)perylene	A	2.0	1.14	B	4.0	1.06	C	8.0	1.07	D	20	1.10	E	100	1.13
	F	200	1.12	G	400	1.08	H	1000	1.05	I	1600	0.988	J	2000	0.957
Fluorene-d10	A	2.0	1.12	B	4.0	1.07	C	8.0	1.09	D	20	1.12	E	100	1.09
	F	200	1.13	G	400	1.11	H	1000	1.11	I	1600	1.07	J	2000	1.04
Fluoranthene-d10	A	2.0	1.07	B	4.0	1.00	C	8.0	0.986	D	20	1.02	E	100	1.06
	F	200	1.09	G	400	1.08	H	1000	1.09	I	1600	1.03	J	2000	0.985
Terphenyl-d14	A	2.0	1.03	B	4.0	0.778	C	8.0	0.800	D	20	0.800	E	100	0.759
	F	200	0.761	G	400	0.759	H	1000	0.782	I	1600	0.732	J	2000	0.709

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: K1313168
Calibration Date: 11/13/2013

Initial Calibration Summary
Polynuclear Aromatic Hydrocarbons

Calibration ID: CAL12907
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	10.7		≤ 20	1.04		0.70
2-Methylnaphthalene	MS	AverageRF	% RSD	7.8		≤ 20	0.716		0.40
Acenaphthylene	MS	AverageRF	% RSD	5.2		≤ 20	1.99		0.90
Acenaphthene	MS	AverageRF	% RSD	6.1		≤ 20	1.18		0.90
Fluorene	MS	AverageRF	% RSD	5.3		≤ 20	1.43		0.90
Phenanthrene	MS	AverageRF	% RSD	9.4		≤ 20	1.12		0.70
Anthracene	MS	AverageRF	% RSD	4.1		≤ 20	1.08		0.70
Fluoranthene	MS	AverageRF	% RSD	7.1		≤ 20	1.24		0.60
Pyrene	MS	AverageRF	% RSD	5.3		≤ 20	1.19		0.60
Benz(a)anthracene	MS	AverageRF	% RSD	8.5		≤ 20	1.14		0.80
Chrysene	MS	AverageRF	% RSD	2.7		≤ 20	1.02		0.70
Benzo(b)fluoranthene	MS	AverageRF	% RSD	2.9		≤ 20	1.22		0.70
Benzo(k)fluoranthene	MS	AverageRF	% RSD	3.6		≤ 20	1.16		0.70
Benzo(a)pyrene	MS	AverageRF	% RSD	3.9		≤ 20	1.03		0.70
Indeno(1,2,3-cd)pyrene	MS	AverageRF	% RSD	7.4		≤ 20	0.910		0.50
Dibenz(a,h)anthracene	MS	AverageRF	% RSD	6.5		≤ 20	0.924		0.40
Benzo(g,h,i)perylene	MS	AverageRF	% RSD	5.5		≤ 20	1.07		0.50
Fluorene-d10	SURR	AverageRF	% RSD	2.6		≤ 20	1.10		0.01
Fluoranthene-d10	SURR	AverageRF	% RSD	4.0		≤ 20	1.04		0.01
Terphenyl-d14	SURR	AverageRF	% RSD	11.1		≤ 20	0.791		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: K1313168
Calibration Date: 11/13/2013
Date Analyzed: 11/13/2013

Second Source Calibration Verification
Polynuclear Aromatic Hydrocarbons

Calibration Type: Internal Standard
Analysis Method: 8270D SIM

Calibration ID: CAL12907
Units: ng/ml

File ID: J:\MS11\DATA\111313\1113X014.D

Analyte Name	Expected	Result	Average RF	SSV RF	%D	%Drift	Criteria	Curve Fit
Naphthalene	400	400	1.04	1.03	-1	NA	± 30 %	AverageRF
2-Methylnaphthalene	400	390	0.716	0.696	-3	NA	± 30 %	AverageRF
Acenaphthylene	400	420	1.99	2.11	6	NA	± 30 %	AverageRF
Acenaphthene	400	400	1.18	1.18	1	NA	± 30 %	AverageRF
Fluorene	400	410	1.43	1.47	3	NA	± 30 %	AverageRF
Phenanthrene	400	400	1.12	1.10	-1	NA	± 30 %	AverageRF
Anthracene	400	440	1.08	1.19	10	NA	± 30 %	AverageRF
Fluoranthene	400	420	1.24	1.32	6	NA	± 30 %	AverageRF
Pyrene	400	400	1.19	1.20	0	NA	± 30 %	AverageRF
Benz(a)anthracene	400	400	1.14	1.14	0	NA	± 30 %	AverageRF
Chrysene	400	420	1.02	1.08	5	NA	± 30 %	AverageRF
Benzo(b)fluoranthene	400	410	1.22	1.24	2	NA	± 30 %	AverageRF
Benzo(k)fluoranthene	400	400	1.16	1.17	1	NA	± 30 %	AverageRF
Benzo(a)pyrene	400	430	1.03	1.10	6	NA	± 30 %	AverageRF
Indeno(1,2,3-cd)pyrene	400	440	0.910	0.998	10	NA	± 30 %	AverageRF
Dibenz(a,h)anthracene	400	430	0.924	0.998	8	NA	± 30 %	AverageRF
Benzo(g,h,i)perylene	400	410	1.07	1.10	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: K1313168
Date Analyzed: 12/10/2013

Continuing Calibration Verification Summary
Polynuclear Aromatic Hydrocarbons

Calibration Type: Internal Standard
Analysis Method: 8270D SIM

Calibration Date: 11/13/2013
Calibration ID: CAL12907
Analysis Lot: KWG1313634
Units: ng/ml

File ID: J:\MS11\DATA\121013\1210F006.D

Analyte Name	Expected	Result	Min RF	Average RF	CCV RF	%D	%Drift	Criteria	Curve Fit
Naphthalene	400	380	0.70	1.04	0.998	-4	NA	± 20 %	AverageRF
2-Methylnaphthalene	400	380	0.40	0.716	0.683	-5	NA	± 20 %	AverageRF
Acenaphthylene	400	370	0.90	1.99	1.84	-8	NA	± 20 %	AverageRF
Acenaphthene	400	380	0.90	1.18	1.13	-4	NA	± 20 %	AverageRF
Fluorene	400	390	0.90	1.43	1.38	-4	NA	± 20 %	AverageRF
Phenanthrene	400	370	0.70	1.12	1.04	-7	NA	± 20 %	AverageRF
Anthracene	400	310	0.70	1.08	0.833	-23 *	NA	± 20 %	AverageRF
Fluoranthene	400	390	0.60	1.24	1.22	-2	NA	± 20 %	AverageRF
Pyrene	400	400	0.60	1.19	1.20	1	NA	± 20 %	AverageRF
Benz(a)anthracene	400	390	0.80	1.14	1.10	-3	NA	± 20 %	AverageRF
Chrysene	400	390	0.70	1.02	0.994	-3	NA	± 20 %	AverageRF
Benzo(b)fluoranthene	400	430	0.70	1.22	1.32	9	NA	± 20 %	AverageRF
Benzo(k)fluoranthene	400	430	0.70	1.16	1.24	7	NA	± 20 %	AverageRF
Benzo(a)pyrene	400	400	0.70	1.03	1.04	0	NA	± 20 %	AverageRF
Indeno(1,2,3-cd)pyrene	400	420	0.50	0.910	0.957	5	NA	± 20 %	AverageRF
Dibenz(a,h)anthracene	400	330	0.40	0.924	0.772	-16	NA	± 20 %	AverageRF
Benzo(g,h,i)perylene	400	380	0.50	1.07	1.02	-5	NA	± 20 %	AverageRF
Fluorene-d10	400	390	0.01	1.10	1.07	-2	NA	± 20 %	AverageRF
Fluoranthene-d10	400	400	0.01	1.04	1.05	1	NA	± 20 %	AverageRF
Terphenyl-d14	400	390	0.01	0.791	0.774	-2	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: K1313168
Date Analyzed: 12/11/2013

Continuing Calibration Verification Summary
Polynuclear Aromatic Hydrocarbons

Calibration Type: Internal Standard
Analysis Method: 8270D SIM

Calibration Date: 11/13/2013
Calibration ID: CAL12907
Analysis Lot: KWG1313681
Units: ng/ml

File ID: J:\MS11\DATA\121113\1211F002.D

Analyte Name	Expected	Result	Min RF	Average RF	CCV RF	%D		%Drift	Criteria	Curve Fit
Naphthalene	400	380	0.70	1.04	0.996	-4		NA	± 20 %	AverageRF
2-Methylnaphthalene	400	400	0.40	0.716	0.716	0		NA	± 20 %	AverageRF
Acenaphthylene	400	370	0.90	1.99	1.83	-8		NA	± 20 %	AverageRF
Acenaphthene	400	380	0.90	1.18	1.12	-4		NA	± 20 %	AverageRF
Fluorene	400	400	0.90	1.43	1.44	1		NA	± 20 %	AverageRF
Phenanthrene	400	380	0.70	1.12	1.06	-5		NA	± 20 %	AverageRF
Anthracene	400	330	0.70	1.08	0.903	-17		NA	± 20 %	AverageRF
Fluoranthene	400	410	0.60	1.24	1.28	3		NA	± 20 %	AverageRF
Pyrene	400	380	0.60	1.19	1.14	-4		NA	± 20 %	AverageRF
Benz(a)anthracene	400	390	0.80	1.14	1.10	-4		NA	± 20 %	AverageRF
Chrysene	400	390	0.70	1.02	0.996	-3		NA	± 20 %	AverageRF
Benzo(b)fluoranthene	400	440	0.70	1.22	1.35	11		NA	± 20 %	AverageRF
Benzo(k)fluoranthene	400	450	0.70	1.16	1.29	11		NA	± 20 %	AverageRF
Benzo(a)pyrene	400	420	0.70	1.03	1.07	4		NA	± 20 %	AverageRF
Indeno(1,2,3-cd)pyrene	400	560	0.50	0.910	1.26	39	*	NA	± 20 %	AverageRF
Dibenz(a,h)anthracene	400	490	0.40	0.924	1.14	23	*	NA	± 20 %	AverageRF
Benzo(g,h,i)perylene	400	460	0.50	1.07	1.24	15		NA	± 20 %	AverageRF
Fluorene-d10	400	400	0.01	1.10	1.11	1		NA	± 20 %	AverageRF
Fluoranthene-d10	400	420	0.01	1.04	1.10	5		NA	± 20 %	AverageRF
Terphenyl-d14	400	380	0.01	0.791	0.744	-6		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: K1313168

Analysis Run Log
Polynuclear Aromatic Hydrocarbons

Analysis Method: 8270D SIM

Analysis Lot: KWG1313634
Instrument ID: MS11

File ID	Sample Name	Lab Code	Date Analysis Started	Start Time	Q	Date Analysis Finished	Finish Time
1210F005.D	GC/MS Tuning - Decafluorotriphenylp	KWG1313634-1	12/10/2013	07:44		12/10/2013	08:04
1210F006.D	Continuing Calibration Verification	KWG1313634-2	12/10/2013	08:11		12/10/2013	08:30
1210F007.D	ZZZZZZ	ZZZZZZ	12/10/2013	08:39		12/10/2013	08:58
1210F008.D	ZZZZZZ	ZZZZZZ	12/10/2013	09:07		12/10/2013	09:26
1210F009.D	ZZZZZZ	ZZZZZZ	12/10/2013	09:36		12/10/2013	09:55
1210F010.D	ZZZZZZ	ZZZZZZ	12/10/2013	10:04		12/10/2013	10:23
1210F011.D	ZZZZZZ	ZZZZZZ	12/10/2013	10:32		12/10/2013	10:51
1210F012.D	ZZZZZZ	ZZZZZZ	12/10/2013	11:00		12/10/2013	11:19
1210F013.D	ZZZZZZ	ZZZZZZ	12/10/2013	11:29		12/10/2013	11:48
1210F014.D	ZZZZZZ	ZZZZZZ	12/10/2013	11:57		12/10/2013	12:16
1210F015.D	ZZZZZZ	ZZZZZZ	12/10/2013	12:25		12/10/2013	12:44
1210F016.D	Method Blank	KWG1313420-3	12/10/2013	12:54		12/10/2013	13:13
1210F017.D	Lab Control Sample	KWG1313420-1	12/10/2013	13:22		12/10/2013	13:41
1210F018.D	Duplicate Lab Control Sample	KWG1313420-2	12/10/2013	13:50		12/10/2013	14:09
1210F019.D	ZZZZZZ	ZZZZZZ	12/10/2013	14:19		12/10/2013	14:38
1210F020.D	ZZZZZZ	ZZZZZZ	12/10/2013	14:47		12/10/2013	15:06
1210F026.D	ZZZZZZ	ZZZZZZ	12/10/2013	17:34		12/10/2013	17:53

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: K1313168

Analysis Run Log
Polynuclear Aromatic Hydrocarbons

Analysis Method: 8270D SIM

Analysis Lot: KWG1313681
Instrument ID: MS11

File ID	Sample Name	Lab Code	Date Analysis Started	Start Time	Q	Date Analysis Finished	Finish Time
1211F001.D	GC/MS Tuning - Decafluorotriphenylp	KWG1313681-1	12/11/2013	08:39		12/11/2013	08:58
1211F002.D	Continuing Calibration Verification	KWG1313681-2	12/11/2013	09:07		12/11/2013	09:26
1211F004.D	ZZZZZZ	ZZZZZZ	12/11/2013	10:21		12/11/2013	10:40
1211F005.D	ZZZZZZ	ZZZZZZ	12/11/2013	10:49		12/11/2013	11:08
1211F006.D	ZZZZZZ	ZZZZZZ	12/11/2013	11:16		12/11/2013	11:35
1211F007.D	ZZZZZZ	ZZZZZZ	12/11/2013	11:44		12/11/2013	12:03
1211F008.D	ZZZZZZ	ZZZZZZ	12/11/2013	12:12		12/11/2013	12:31
1211F009.D	ZZZZZZ	ZZZZZZ	12/11/2013	12:40		12/11/2013	12:59
1211F010.D	ZZZZZZ	ZZZZZZ	12/11/2013	13:08		12/11/2013	13:27
1211F011.D	ZZZZZZ	ZZZZZZ	12/11/2013	13:35		12/11/2013	13:54
1211F012.D	ZZZZZZ	ZZZZZZ	12/11/2013	14:03		12/11/2013	14:22
1211F013.D	ZZZZZZ	ZZZZZZ	12/11/2013	14:31		12/11/2013	14:50
1211F014.D	BXS-1	K1313168-001	12/11/2013	14:58		12/11/2013	15:17
1211F015.D	BXS-2	K1313168-002	12/11/2013	15:26		12/11/2013	15:45
1211F016.D	BXS-5	K1313168-003	12/11/2013	15:54		12/11/2013	16:13

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: K1313168
Date Extracted: 12/05/2013

Extraction Prep Log
Polynuclear Aromatic Hydrocarbons

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

Extraction Lot: KWG1313420
Level: Low

Sample Name	Lab Code	Date Collected	Date Received	Sample Amount	Final Volume	% Solids	Note
BXS-1	K1313168-001	12/02/13	12/04/13	1040ml	5ml	NA	
BXS-2	K1313168-002	12/02/13	12/04/13	1060ml	5ml	NA	
BXS-5	K1313168-003	12/02/13	12/04/13	1040ml	5ml	NA	
Method Blank	KWG1313420-3	NA	NA	1060ml	5ml	NA	
Lab Control Sample	KWG1313420-1	NA	NA	1000ml	5ml	NA	
Duplicate Lab Control Sample	KWG1313420-2	NA	NA	1000ml	5ml	NA	

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

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December 19, 2013

Analytical Report for Service Request No: K1313169

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 December 04, 2013. For your reference, these analyses have been assigned our service request number K1313169.

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/ln

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.
Y	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	704427-08-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.:**	K1313169
Project:	J.H. Baxter-Arlington	**Date Received:**	12/04/13
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 12/04/13. 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

Second Source Exceptions:
The analysis of EPA 8151M requires the use of dual column confirmation. When the Initial Calibration Verification (ICV) criteria are met for both columns, the lower of the two sample results is generally reported. The criteria were not met for 2,4,5-Trichlorophenol in CAL 12940. The data quality was not affected. No further corrective action was necessary.

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

The matrix spike recovery of Total Tetrachlorophenols for the associated Matrix Spikes was outside control criteria. Recovery in the Laboratory Control Sample (LCS) was acceptable, which indicated the analytical batch was in control. The matrix spike outlier suggested a potential low bias in this matrix. No further corrective action was appropriate.

Elevated Detection Limits:
This field sample 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

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

SR# K1313169

COC Set ___ of ___

Page 1 OF 1 COC# ___

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 / 8270D / PAH SIM					Remarks
EW 1-4 comp.	12-2	1700		H_2O	2	X					PCP & Breakdown Products

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
503-639-3400

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

Relinquished By:	Received By:	Relinquished By:	Received By:
Signature: [signature] Date/Time: 12-3-13 0945	Signature: [signature] Date/Time: 12/4/13 1000	Signature: Date/Time:	Signature: Date/Time:
Printed Name: SCOTT THEELKE Firm: JH BAXTER	Printed Name: [signature] Firm: ACS	Printed Name: Firm:	Printed Name: Firm:

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PC CL

Cooler Receipt and Preservation Form

Client / Project: JM BAXTER Service Request K13 13169

Received: 12/4/13 Opened: 12/4/13 By: AM Unloaded: 12/4/13 By: AM

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? 4 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
2.6	2.7	2.0	2.1	0.1	325		8041 0011 4065	
4.4	4.3	2.9	2.8	-0.1	298		8041 0011 4076	
3.5	3.5	2.8	2.8	0.0	334		8041 0011 4054	
1.8	1.8	0.7	0.7	0.0	316		8041 0011 3852	

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

Notes, Discrepancies, & Resolutions: _____

Page ____ *of* ____

Chlorinated Phenols

Organic Analysis:
Chlorinated Phenols

Summary Package

Sample and QC Results

ALS Group USA, Corp. dba ALS Environmental

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

Service Request: K1313169

Cover Page - Organic Analysis Data Package
Chlorinated Phenols

Sample Name	Lab Code	Date Collected	Date Received
EW 1-4 COMP.	K1313169-001	12/02/2013	12/04/2013
EW 1-4 COMP.MS	KWG1313485-1	12/02/2013	12/04/2013
EW 1-4 COMP.DMS	KWG1313485-2	12/02/2013	12/04/2013

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: _____ Title: _____

ALS Group USA, Corp. dba ALS Environmental

Analytical Results

Client:	JH Baxter & Company	**Service Request:**	K1313169
Project:	J.H. Baxter-Arlington	**Date Collected:**	12/02/2013
Sample Matrix:	Water	**Date Received:**	12/04/2013

Chlorinated Phenols

Sample Name:	EW 1-4 COMP.	**Units:**	ug/L
Lab Code:	K1313169-001	**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	12/04/13	12/07/13	KWG1313485	
2,4,5-Trichlorophenol	ND	U	1.0	0.19	1	12/04/13	12/07/13	KWG1313485	
Tetrachlorophenols, Total	**21**		1.0	0.25	1	12/04/13	12/07/13	KWG1313485	
Pentachlorophenol	**630**	D	50	16	100	12/04/13	12/10/13	KWG1313485	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
4-Bromo-2,6-dichlorophenol	76	33-114	12/07/13	Acceptable

Comments:

ALS Group USA, Corp. dba ALS Environmental

Analytical Results

Client:	JH Baxter & Company	**Service Request:**	K1313169
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:	KWG1313485-4	**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	12/04/13	12/07/13	KWG1313485	
2,4,5-Trichlorophenol	ND	U	1.0	0.19	1	12/04/13	12/07/13	KWG1313485	
Tetrachlorophenols, Total	ND	U	1.0	0.25	1	12/04/13	12/07/13	KWG1313485	
Pentachlorophenol	ND	U	0.50	0.16	1	12/04/13	12/07/13	KWG1313485	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
4-Bromo-2,6-dichlorophenol	82	33-114	12/07/13	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: K1313169

Surrogate Recovery Summary
Chlorinated Phenols

Extraction Method: Method
Analysis Method: 8151M

Units: Percent
Level: Low

Sample Name	Lab Code	Sur1
EW 1-4 COMP.	K1313169-001	76
Method Blank	KWG1313485-4	82
EW 1-4 COMP.MS	KWG1313485-1	78
EW 1-4 COMP.DMS	KWG1313485-2	78
Lab Control Sample	KWG1313485-3	77

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:**	K1313169
Project:	J.H. Baxter-Arlington	**Date Extracted:**	12/04/2013
Sample Matrix:	Water	**Date Analyzed:**	12/07/2013

Matrix Spike/Duplicate Matrix Spike Summary
Chlorinated Phenols

Sample Name:	EW 1-4 COMP.	**Units:**	ug/L
Lab Code:	K1313169-001	**Basis:**	NA
Extraction Method:	Method	**Level:**	Low
Analysis Method:	8151M	**Extraction Lot:**	KWG1313485

		EW 1-4 COMP.MS KWG1313485-1 Matrix Spike			EW 1-4 COMP.DMS KWG1313485-2 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	7.76	10.0	78	7.49	10.0	75	26-100	4	30
2,4,5-Trichlorophenol	ND	7.35	10.0	73	6.97	10.0	70	10-103	5	30
Tetrachlorophenols, Total	21	37.1E	20.0	80	34.5	20.0	67 *	70-130	7	30
Pentachlorophenol	630	346E	10.0	-2842 #	346E	10.0	-2842 #	40-106	0	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:**	K1313169
Project:	J.H. Baxter-Arlington	**Date Extracted:**	12/04/2013
Sample Matrix:	Water	**Date Analyzed:**	12/07/2013

Lab Control Spike Summary
Chlorinated Phenols

Extraction Method:	Method	**Units:**	ug/L
Analysis Method:	*8151M*	**Basis:**	NA
		Level:	Low
		Extraction Lot:	KWG1313485

	Lab Control Sample KWG1313485-3 Lab Control Spike			
Analyte Name	**Result**	**Spike Amount**	**%Rec**	**%Rec Limits**
2,4,6-Trichlorophenol	6.95	10.0	70	30-86
2,4,5-Trichlorophenol	6.04	10.0	60	19-94
Tetrachlorophenols, Total	14.0	20.0	70	70-130
Pentachlorophenol	7.24	10.0	72	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:**	K1313169
Project:	J.H. Baxter-Arlington	**Date Extracted:**	12/04/2013
Sample Matrix:	Water	**Date Analyzed:**	12/07/2013
		Time Analyzed:	00:31

Method Blank Summary
Chlorinated Phenols

Sample Name:	Method Blank	**Instrument ID:**	GC27
Lab Code:	KWG1313485-4	**File ID:**	J:\GC27\DATA\120613BP\1206B035.D
Extraction Method:	Method	**Level:**	Low
Analysis Method:	8151M	**Extraction Lot:**	KWG1313485

This Method Blank applies to the following analyses:

Sample Name	Lab Code	File ID	Date Analyzed	Time Analyzed
Lab Control Sample	KWG1313485-3	J:\GC27\DATA\120613BP\1206B034.D	12/07/13	00:16
EW 1-4 COMP.	K1313169-001	J:\GC27\DATA\120613BP\1206B058.D	12/07/13	06:20
EW 1-4 COMP.MS	KWG1313485-1	J:\GC27\DATA\120613BP\1206B059.D	12/07/13	06:35
EW 1-4 COMP.DMS	KWG1313485-2	J:\GC27\DATA\120613BP\1206B060.D	12/07/13	06:50
EW 1-4 COMP.	K1313169-001	J:\GC27\DATA\120913P\1209F044.D	12/10/13	02:05

ALS Group USA, Corp. dba ALS Environmental

QA/QC Report

Client:	JH Baxter & Company	**Service Request:**	K1313169
Project:	J.H. Baxter-Arlington	**Date Extracted:**	12/04/2013
Sample Matrix:	Water	**Date Analyzed:**	12/07/2013
		Time Analyzed:	00:16

Lab Control Sample Summary
Chlorinated Phenols

Sample Name:	Lab Control Sample	**Instrument ID:**	GC27
Lab Code:	KWG1313485-3	**File ID:**	J:\GC27\DATA\120613BP\1206B034.D
Extraction Method:	Method	**Level:**	Low
Analysis Method:	8151M	**Extraction Lot:**	KWG1313485

This Lab Control Sample applies to the following analyses:

Sample Name	Lab Code	File ID	Date Analyzed	Time Analyzed
Method Blank	KWG1313485-4	J:\GC27\DATA\120613BP\1206B035.D	12/07/13	00:31
EW 1-4 COMP.	K1313169-001	J:\GC27\DATA\120613BP\1206B058.D	12/07/13	06:20
EW 1-4 COMP.MS	KWG1313485-1	J:\GC27\DATA\120613BP\1206B059.D	12/07/13	06:35
EW 1-4 COMP.DMS	KWG1313485-2	J:\GC27\DATA\120613BP\1206B060.D	12/07/13	06:50
EW 1-4 COMP.	K1313169-001	J:\GC27\DATA\120913P\1209F044.D	12/10/13	02:05

ALS Group USA, Corp. dba ALS Environmental

QA/QC Results

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

Service Request: K1313169
Calibration Date: 11/22/2013

Initial Calibration Summary
Chlorinated Phenols

Calibration ID: CAL12940
Instrument ID: GC27

Column: Rtx-5

Level ID	File ID	Level ID	File ID
A	J:\GC27\DATA\112213AP\1122A005.D	F	J:\GC27\DATA\112213AP\1122A010.D
B	J:\GC27\DATA\112213AP\1122A006.D	G	J:\GC27\DATA\112213AP\1122A011.D
C	J:\GC27\DATA\112213AP\1122A007.D	H	J:\GC27\DATA\112213AP\1122A012.D
D	J:\GC27\DATA\112213AP\1122A008.D	I	J:\GC27\DATA\112213AP\1122A013.D
E	J:\GC27\DATA\112213AP\1122A009.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	2.5	2.04E+6	B	5.0	2.06E+6	C	10	2.05E+6	D	25	1.89E+6	E	50	1.89E+6
	F	75	1.89E+6	G	100	1.90E+6	H	130	1.98E+6	I	150	2.00E+6			
2,4,6-Trichlorophenol	A	2.3	1.76E+6	B	4.7	1.73E+6	C	9.3	1.66E+6	D	23	1.53E+6	E	47	1.49E+6
	F	70	1.46E+6	G	93	1.44E+6	H	120	1.50E+6	I	140	1.49E+6			
2,4,5-Trichlorophenol	A	2.3	8.23E+5	B	4.7	8.03E+5	C	9.3	7.98E+5	D	23	7.07E+5	E	47	6.70E+5
	F	70	6.43E+5	G	93	6.32E+5	H	120	6.33E+5	I	140	6.33E+5			
2,3,4,5-Tetrachlorophenol	A	2.4	1.87E+6	B	4.7	1.96E+6	C	9.4	2.02E+6	D	24	1.77E+6	E	47	1.67E+6
	F	71	1.60E+6	G	94	1.58E+6	H	120	1.56E+6	I	140	1.59E+6			
2,3,5,6-Tetrachlorophenol	A	2.4	2.45E+6	B	4.7	2.51E+6	C	9.4	2.44E+6	D	24	2.20E+6	E	47	2.17E+6
	F	71	2.13E+6	G	94	2.13E+6	H	120	2.18E+6	I	140	2.19E+6			
Pentachlorophenol	A	2.4	3.05E+6	B	4.8	3.00E+6	C	9.5	2.94E+6	D	24	2.59E+6	E	48	2.50E+6
	F	71	2.43E+6	G	95	2.42E+6	H	120	2.42E+6	I	140	2.47E+6			

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

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

Service Request: K1313169
Calibration Date: 11/22/2013

Initial Calibration Summary
Chlorinated Phenols

Calibration ID: CAL12940
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	3.8		≤ 20
2,4,6-Trichlorophenol	MS	AverageRF	% RSD	7.7		≤ 20
2,4,5-Trichlorophenol	MS	AverageRF	% RSD	11.5		≤ 20
2,3,4,5-Tetrachlorophenol	MS	AverageRF	% RSD	10.2		≤ 20
2,3,5,6-Tetrachlorophenol	MS	AverageRF	% RSD	6.8		≤ 20
Pentachlorophenol	MS	AverageRF	% RSD	10.2		≤ 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: K1313169
Calibration Date: 11/22/2013
Date Analyzed: 11/22/2013

Second Source Calibration Verification
Chlorinated Phenols

Calibration Type: External Standard
Analysis Method: 8151M

Calibration ID: CAL12940
Units: ug/L

File ID: J:\GC27\DATA\112213AP\1122A014.D

Column ID: Rtx-5

Analyte Name	Expected	Result	Average RF	SSV RF	%D	%Drift	Criteria	Curve Fit
2,4,6-Trichlorophenol	23	24	1560000	1620000	4	NA	± 20 %	AverageRF
2,4,5-Trichlorophenol	23	27	705000	826000	17	NA	± 20 %	AverageRF
2,3,4,5-Tetrachlorophenol	24	26	1740000	1910000	10	NA	± 20 %	AverageRF
2,3,5,6-Tetrachlorophenol	24	25	2270000	2400000	6	NA	± 20 %	AverageRF
Pentachlorophenol	24	26	2650000	2930000	11	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: K1313169
Calibration Date: 11/22/2013

Initial Calibration Summary
Chlorinated Phenols

Calibration ID: CAL12940
Instrument ID: GC27

Column: Rtx-Dioxin 2

Level ID	File ID	Level ID	File ID
A	J:\GC27\DATA\112213AP\1122A005.D\1122A005c.d	F	J:\GC27\DATA\112213AP\1122A010.D\1122A010c.d
B	J:\GC27\DATA\112213AP\1122A006.D\1122A006c.d	G	J:\GC27\DATA\112213AP\1122A011.D\1122A011c.d
C	J:\GC27\DATA\112213AP\1122A007.D\1122A007c.d	H	J:\GC27\DATA\112213AP\1122A012.D\1122A012c.d
D	J:\GC27\DATA\112213AP\1122A008.D\1122A008c.d	I	J:\GC27\DATA\112213AP\1122A013.D\1122A013c.d
E	J:\GC27\DATA\112213AP\1122A009.D\1122A009c.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	2.5	7.90E+5	B	5.0	8.43E+5	C	10	8.58E+5	D	25	7.97E+5	E	50	7.76E+5
	F	75	7.69E+5	G	100	7.66E+5	H	130	7.89E+5	I	150	7.95E+5			
2,4,6-Trichlorophenol	A	2.3	7.04E+5	B	4.7	7.33E+5	C	9.3	7.45E+5	D	23	6.90E+5	E	47	6.64E+5
	F	70	6.54E+5	G	93	6.41E+5	H	120	6.62E+5	I	140	6.57E+5			
2,4,5-Trichlorophenol	A	2.3	3.33E+5	B	4.7	3.50E+5	C	9.3	3.71E+5	D	23	3.44E+5	E	47	3.33E+5
	F	70	3.18E+5	G	93	3.07E+5	H	120	3.03E+5	I	140	3.02E+5			
2,3,4,5-Tetrachlorophenol	A	2.4	9.55E+5	B	4.7	9.76E+5	C	9.4	9.56E+5	D	24	8.50E+5	E	47	7.92E+5
	F	71	7.56E+5	G	94	7.40E+5	H	120	7.23E+5	I	140	7.27E+5			
2,3,5,6-Tetrachlorophenol	A	2.4	1.13E+6	B	4.7	1.16E+6	C	9.4	1.17E+6	D	24	1.04E+6	E	47	9.92E+5
	F	71	9.66E+5	G	94	9.58E+5	H	120	9.62E+5	I	140	9.70E+5			
Pentachlorophenol	A	2.4	1.45E+6	B	4.8	1.46E+6	C	9.5	1.43E+6	D	24	1.23E+6	E	48	1.17E+6
	F	71	1.12E+6	G	95	1.12E+6	H	120	1.09E+6	I	140	1.11E+6			

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

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

Service Request: K1313169
Calibration Date: 11/22/2013

Initial Calibration Summary
Chlorinated Phenols

Calibration ID: CAL12940
Instrument ID: GC27

Column: Rtx-Dioxin 2

		Calibration Evaluation				
Analyte Name	**Compound Type**	**Fit Type**	**Eval.**	**Eval. Result**	**Q**	**Control Criteria**
4-Bromo-2,6-dichlorophenol	SURR	AverageRF	% RSD	4.0		≤ 20
2,4,6-Trichlorophenol	MS	AverageRF	% RSD	5.4		≤ 20
2,4,5-Trichlorophenol	MS	AverageRF	% RSD	7.2		≤ 20
2,3,4,5-Tetrachlorophenol	MS	AverageRF	% RSD	12.8		≤ 20
2,3,5,6-Tetrachlorophenol	MS	AverageRF	% RSD	8.6		≤ 20
Pentachlorophenol	MS	AverageRF	% RSD	12.7		≤ 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: K1313169
Calibration Date: 11/22/2013
Date Analyzed: 11/22/2013

Second Source Calibration Verification
Chlorinated Phenols

Calibration Type: External Standard
Analysis Method: 8151M

Calibration ID: CAL12940
Units: ug/L

File ID: J:\GC27\DATA\112213AP\1122A014.D\1122A014c.d

Column ID: Rtx-Dioxin 2

Analyte Name	Expected	Result	Average RF	SSV RF	%D		%Drift	Criteria	Curve Fit
2,4,6-Trichlorophenol	23	25	684000	734000	7		NA	± 20 %	AverageRF
2,4,5-Trichlorophenol	23	30	329000	421000	28	*	NA	± 20 %	AverageRF
2,3,4,5-Tetrachlorophenol	24	26	831000	910000	9		NA	± 20 %	AverageRF
2,3,5,6-Tetrachlorophenol	24	26	1040000	1130000	9		NA	± 20 %	AverageRF
Pentachlorophenol	24	27	1240000	1400000	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: K1313169
Date Analyzed: 12/06/2013

Continuing Calibration Verification Summary
Chlorinated Phenols

Calibration Type: External Standard
Analysis Method: 8151M

Calibration Date: 11/22/2013
Calibration ID: CAL12940
Analysis Lot: KWG1313600
Units: ug/L

File ID: J:\GC27\DATA\120613BP\1206B028.D

Column ID: Rtx-5

Analyte Name	Expected	Result	Average RF	CCV RF	%D	%Drift	Criteria	Curve Fit
4-Bromo-2,6-dichlorophenol	50	49	1970000	1930000	-2	NA	± 20 %	AverageRF
2,4,6-Trichlorophenol	47	47	1560000	1560000	0	NA	± 20 %	AverageRF
2,4,5-Trichlorophenol	47	44	705000	658000	-7	NA	± 20 %	AverageRF
2,3,4,5-Tetrachlorophenol	47	43	1740000	1570000	-10	NA	± 20 %	AverageRF
2,3,5,6-Tetrachlorophenol	47	47	2270000	2240000	-1	NA	± 20 %	AverageRF
Pentachlorophenol	48	45	2650000	2500000	-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: K1313169
Date Analyzed: 12/06/2013

Continuing Calibration Verification Summary
Chlorinated Phenols

Calibration Type: External Standard
Analysis Method: 8151M

Calibration Date: 11/22/2013
Calibration ID: CAL12940
Analysis Lot: KWG1313600
Units: ug/L

File ID: J:\GC27\DATA\120613BP\1206B028.D\1206B028C.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	51	798000	807000	1	NA	± 20 %	AverageRF
2,4,6-Trichlorophenol	47	47	684000	691000	1	NA	± 20 %	AverageRF
2,4,5-Trichlorophenol	47	51	329000	361000	10	NA	± 20 %	AverageRF
2,3,4,5-Tetrachlorophenol	47	44	831000	777000	-7	NA	± 20 %	AverageRF
2,3,5,6-Tetrachlorophenol	47	47	1040000	1030000	-1	NA	± 20 %	AverageRF
Pentachlorophenol	48	44	1240000	1150000	-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: K1313169
Date Analyzed: 12/07/2013

Continuing Calibration Verification Summary
Chlorinated Phenols

Calibration Type: External Standard
Analysis Method: 8151M

Calibration Date: 11/22/2013
Calibration ID: CAL12940
Analysis Lot: KWG1313600
Units: ug/L

File ID: J:\GC27\DATA\120613BP\1206B041.D

Column ID: Rtx-5

Analyte Name	Expected	Result	Average RF	CCV RF	%D	%Drift	Criteria	Curve Fit
4-Bromo-2,6-dichlorophenol	50	47	1970000	1860000	-5	NA	± 20 %	AverageRF
2,4,6-Trichlorophenol	47	45	1560000	1510000	-3	NA	± 20 %	AverageRF
2,4,5-Trichlorophenol	47	42	705000	630000	-11	NA	± 20 %	AverageRF
2,3,4,5-Tetrachlorophenol	47	42	1740000	1530000	-12	NA	± 20 %	AverageRF
2,3,5,6-Tetrachlorophenol	47	44	2270000	2130000	-6	NA	± 20 %	AverageRF
Pentachlorophenol	48	43	2650000	2390000	-10	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: K1313169
Date Analyzed: 12/07/2013

Continuing Calibration Verification Summary
Chlorinated Phenols

Calibration Type: External Standard
Analysis Method: 8151M

Calibration Date: 11/22/2013
Calibration ID: CAL12940
Analysis Lot: KWG1313600
Units: ug/L

File ID: J:\GC27\DATA\120613BP\1206B041.D\1206B041C.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	798000	767000	-4	NA	± 20 %	AverageRF
2,4,6-Trichlorophenol	47	45	684000	660000	-4	NA	± 20 %	AverageRF
2,4,5-Trichlorophenol	47	49	329000	343000	4	NA	± 20 %	AverageRF
2,3,4,5-Tetrachlorophenol	47	41	831000	729000	-12	NA	± 20 %	AverageRF
2,3,5,6-Tetrachlorophenol	47	45	1040000	980000	-6	NA	± 20 %	AverageRF
Pentachlorophenol	48	42	1240000	1110000	-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: K1313169
Date Analyzed: 12/07/2013

Continuing Calibration Verification Summary
Chlorinated Phenols

Calibration Type: External Standard
Analysis Method: 8151M

Calibration Date: 11/22/2013
Calibration ID: CAL12940
Analysis Lot: KWG1313600
Units: ug/L

File ID: J:\GC27\DATA\120613BP\1206B052.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	1970000	1870000	-5	NA	± 20 %	AverageRF
2,4,6-Trichlorophenol	47	45	1560000	1520000	-3	NA	± 20 %	AverageRF
2,4,5-Trichlorophenol	47	43	705000	643000	-9	NA	± 20 %	AverageRF
2,3,4,5-Tetrachlorophenol	47	43	1740000	1580000	-9	NA	± 20 %	AverageRF
2,3,5,6-Tetrachlorophenol	47	44	2270000	2130000	-6	NA	± 20 %	AverageRF
Pentachlorophenol	48	43	2650000	2420000	-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: K1313169
Date Analyzed: 12/07/2013

Continuing Calibration Verification Summary
Chlorinated Phenols

Calibration Type: External Standard
Analysis Method: 8151M

Calibration Date: 11/22/2013
Calibration ID: CAL12940
Analysis Lot: KWG1313600
Units: ug/L

File ID: J:\GC27\DATA\120613BP\1206B052.D\1206B052C.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	798000	768000	-4	NA	± 20 %	AverageRF
2,4,6-Trichlorophenol	47	46	684000	677000	-1	NA	± 20 %	AverageRF
2,4,5-Trichlorophenol	47	49	329000	348000	6	NA	± 20 %	AverageRF
2,3,4,5-Tetrachlorophenol	47	42	831000	741000	-11	NA	± 20 %	AverageRF
2,3,5,6-Tetrachlorophenol	47	45	1040000	986000	-5	NA	± 20 %	AverageRF
Pentachlorophenol	48	42	1240000	1110000	-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: K1313169
Date Analyzed: 12/07/2013

Continuing Calibration Verification Summary
Chlorinated Phenols

Calibration Type: External Standard
Analysis Method: 8151M

Calibration Date: 11/22/2013
Calibration ID: CAL12940
Analysis Lot: KWG1313600
Units: ug/L

File ID: *J:\GC27\DATA\120613BP\1206B061.D*

Column ID: Rtx-5

Analyte Name	Expected	Result	Average RF	CCV RF	%D	%Drift	Criteria	Curve Fit
4-Bromo-2,6-dichlorophenol	50	49	1970000	1920000	-2	NA	± 20 %	AverageRF
2,4,6-Trichlorophenol	47	47	1560000	1560000	0	NA	± 20 %	AverageRF
2,4,5-Trichlorophenol	47	41	705000	622000	-12	NA	± 20 %	AverageRF
2,3,4,5-Tetrachlorophenol	47	41	1740000	1520000	-12	NA	± 20 %	AverageRF
2,3,5,6-Tetrachlorophenol	47	45	2270000	2180000	-4	NA	± 20 %	AverageRF
Pentachlorophenol	48	43	2650000	2400000	-9	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: K1313169
Date Analyzed: 12/07/2013

Continuing Calibration Verification Summary
Chlorinated Phenols

Calibration Type: External Standard
Analysis Method: 8151M

Calibration Date: 11/22/2013
Calibration ID: CAL12940
Analysis Lot: KWG1313600
Units: ug/L

File ID: J:\GC27\DATA\120613BP\1206B061.D\1206B061C.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	798000	783000	-2	NA	± 20 %	AverageRF
2,4,6-Trichlorophenol	47	47	684000	682000	0	NA	± 20 %	AverageRF
2,4,5-Trichlorophenol	47	48	329000	340000	3	NA	± 20 %	AverageRF
2,3,4,5-Tetrachlorophenol	47	40	831000	712000	-14	NA	± 20 %	AverageRF
2,3,5,6-Tetrachlorophenol	47	45	1040000	988000	-5	NA	± 20 %	AverageRF
Pentachlorophenol	48	42	1240000	1110000	-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: K1313169
Date Analyzed: 12/10/2013

Continuing Calibration Verification Summary
Chlorinated Phenols

Calibration Type: External Standard
Analysis Method: 8151M

Calibration Date: 11/22/2013
Calibration ID: CAL12940
Analysis Lot: KWG1313636
Units: ug/L

File ID: J:\GC27\DATA\120913P\1209F041.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	1970000	1880000	-4	NA	± 20 %	AverageRF
2,4,6-Trichlorophenol	47	46	1560000	1530000	-2	NA	± 20 %	AverageRF
2,4,5-Trichlorophenol	47	42	705000	629000	-11	NA	± 20 %	AverageRF
2,3,4,5-Tetrachlorophenol	47	43	1740000	1600000	-8	NA	± 20 %	AverageRF
2,3,5,6-Tetrachlorophenol	47	45	2270000	2190000	-4	NA	± 20 %	AverageRF
Pentachlorophenol	48	45	2650000	2480000	-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: K1313169
Date Analyzed: 12/10/2013

Continuing Calibration Verification Summary
Chlorinated Phenols

Calibration Type: External Standard
Analysis Method: 8151M

Calibration Date: 11/22/2013
Calibration ID: CAL12940
Analysis Lot: KWG1313636
Units: ug/L

File ID: J:\GC27\DATA\120913P\1209F041.D\1209F041C.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	798000	760000	-5	NA	± 20 %	AverageRF
2,4,6-Trichlorophenol	47	45	684000	659000	-4	NA	± 20 %	AverageRF
2,4,5-Trichlorophenol	47	48	329000	340000	3	NA	± 20 %	AverageRF
2,3,4,5-Tetrachlorophenol	47	43	831000	757000	-9	NA	± 20 %	AverageRF
2,3,5,6-Tetrachlorophenol	47	44	1040000	964000	-7	NA	± 20 %	AverageRF
Pentachlorophenol	48	44	1240000	1140000	-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: K1313169
Date Analyzed: 12/10/2013

Continuing Calibration Verification Summary
Chlorinated Phenols

Calibration Type: External Standard
Analysis Method: 8151M

Calibration Date: 11/22/2013
Calibration ID: CAL12940
Analysis Lot: KWG1313636
Units: ug/L

File ID: J:\GC27\DATA\120913P\1209F045.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	1970000	1880000	-5	NA	± 20 %	AverageRF
2,4,6-Trichlorophenol	47	45	1560000	1510000	-3	NA	± 20 %	AverageRF
2,4,5-Trichlorophenol	47	42	705000	633000	-10	NA	± 20 %	AverageRF
2,3,4,5-Tetrachlorophenol	47	44	1740000	1630000	-6	NA	± 20 %	AverageRF
2,3,5,6-Tetrachlorophenol	47	44	2270000	2100000	-7	NA	± 20 %	AverageRF
Pentachlorophenol	48	45	2650000	2520000	-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: K1313169
Date Analyzed: 12/10/2013

Continuing Calibration Verification Summary
Chlorinated Phenols

Calibration Type: External Standard
Analysis Method: 8151M

Calibration Date: 11/22/2013
Calibration ID: CAL12940
Analysis Lot: KWG1313636
Units: ug/L

File ID: J:\GC27\DATA\120913P\1209F045.D\1209F045C.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	798000	756000	-5	NA	± 20 %	AverageRF
2,4,6-Trichlorophenol	47	45	684000	653000	-4	NA	± 20 %	AverageRF
2,4,5-Trichlorophenol	47	48	329000	339000	3	NA	± 20 %	AverageRF
2,3,4,5-Tetrachlorophenol	47	43	831000	766000	-8	NA	± 20 %	AverageRF
2,3,5,6-Tetrachlorophenol	47	43	1040000	957000	-8	NA	± 20 %	AverageRF
Pentachlorophenol	48	44	1240000	1150000	-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: K1313169

Analysis Run Log
Chlorinated Phenols

Analysis Method: 8151M

Analysis Lot: KWG1313600
Instrument ID: GC27
Column: Rtx-5

File ID	Sample Name	Lab Code	Date Analysis Started	Start Time	Q	Date Analysis Finished	Finish Time
1206B004.D	Continuing Calibration Verification	KWG1313600-1	12/6/2013	16:41		12/6/2013	16:49
1206B005.D	Instrument Blank	KWG1313600-2	12/6/2013	16:56		12/6/2013	17:04
1206B006.D	ZZZZZZ	ZZZZZZ	12/6/2013	17:12		12/6/2013	17:20
1206B007.D	ZZZZZZ	ZZZZZZ	12/6/2013	17:27		12/6/2013	17:35
1206B008.D	ZZZZZZ	ZZZZZZ	12/6/2013	17:42		12/6/2013	17:50
1206B009.D	ZZZZZZ	ZZZZZZ	12/6/2013	17:57		12/6/2013	18:05
1206B010.D	ZZZZZZ	ZZZZZZ	12/6/2013	18:12		12/6/2013	18:20
1206B011.D	ZZZZZZ	ZZZZZZ	12/6/2013	18:27		12/6/2013	18:35
1206B012.D	ZZZZZZ	ZZZZZZ	12/6/2013	18:43		12/6/2013	18:51
1206B013.D	ZZZZZZ	ZZZZZZ	12/6/2013	18:58		12/6/2013	19:06
1206B014.D	ZZZZZZ	ZZZZZZ	12/6/2013	19:13		12/6/2013	19:21
1206B015.D	ZZZZZZ	ZZZZZZ	12/6/2013	19:28		12/6/2013	19:36
1206B016.D	ZZZZZZ	ZZZZZZ	12/6/2013	19:43		12/6/2013	19:51
1206B017.D	Continuing Calibration Verification	KWG1313600-3	12/6/2013	19:58		12/6/2013	20:06
1206B018.D	Instrument Blank	KWG1313600-4	12/6/2013	20:13		12/6/2013	20:21
1206B019.D	ZZZZZZ	ZZZZZZ	12/6/2013	20:29		12/6/2013	20:37
1206B020.D	ZZZZZZ	ZZZZZZ	12/6/2013	20:44		12/6/2013	20:52
1206B021.D	ZZZZZZ	ZZZZZZ	12/6/2013	20:59		12/6/2013	21:07
1206B022.D	ZZZZZZ	ZZZZZZ	12/6/2013	21:14		12/6/2013	21:22
1206B023.D	ZZZZZZ	ZZZZZZ	12/6/2013	21:29		12/6/2013	21:37
1206B024.D	ZZZZZZ	ZZZZZZ	12/6/2013	21:44		12/6/2013	21:52
1206B025.D	ZZZZZZ	ZZZZZZ	12/6/2013	21:59		12/6/2013	22:07
1206B026.D	ZZZZZZ	ZZZZZZ	12/6/2013	22:15		12/6/2013	22:23
1206B027.D	ZZZZZZ	ZZZZZZ	12/6/2013	22:30		12/6/2013	22:38
1206B028.D	Continuing Calibration Verification	KWG1313600-5	12/6/2013	22:45		12/6/2013	22:53
1206B029.D	Instrument Blank	KWG1313600-6	12/6/2013	23:00		12/6/2013	23:08
1206B030.D	ZZZZZZ	ZZZZZZ	12/6/2013	23:15		12/6/2013	23:23
1206B031.D	ZZZZZZ	ZZZZZZ	12/6/2013	23:30		12/6/2013	23:38
1206B033.D	ZZZZZZ	ZZZZZZ	12/7/2013	00:01		12/7/2013	00:09
1206B034.D	Lab Control Sample	KWG1313485-3	12/7/2013	00:16		12/7/2013	00:24
1206B035.D	Method Blank	KWG1313485-4	12/7/2013	00:31		12/7/2013	00:39
1206B036.D	ZZZZZZ	ZZZZZZ	12/7/2013	00:46		12/7/2013	00:54
1206B037.D	ZZZZZZ	ZZZZZZ	12/7/2013	01:01		12/7/2013	01:09
1206B038.D	ZZZZZZ	ZZZZZZ	12/7/2013	01:16		12/7/2013	01:24

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: K1313169

Analysis Run Log
Chlorinated Phenols

Analysis Method: 8151M

Analysis Lot: KWG1313600
Instrument ID: GC27
Column: Rtx-5

File ID	Sample Name	Lab Code	Date Analysis Started	Start Time	Q	Date Analysis Finished	Finish Time
1206B039.D	ZZZZZZ	ZZZZZZ	12/7/2013	01:32		12/7/2013	01:40
1206B040.D	ZZZZZZ	ZZZZZZ	12/7/2013	01:47		12/7/2013	01:55
1206B041.D	Continuing Calibration Verification	KWG1313600-7	12/7/2013	02:02		12/7/2013	02:10
1206B042.D	Instrument Blank	KWG1313600-8	12/7/2013	02:17		12/7/2013	02:25
1206B043.D	ZZZZZZ	ZZZZZZ	12/7/2013	02:32		12/7/2013	02:40
1206B044.D	ZZZZZZ	ZZZZZZ	12/7/2013	02:47		12/7/2013	02:55
1206B045.D	ZZZZZZ	ZZZZZZ	12/7/2013	03:03		12/7/2013	03:11
1206B046.D	ZZZZZZ	ZZZZZZ	12/7/2013	03:18		12/7/2013	03:26
1206B047.D	ZZZZZZ	ZZZZZZ	12/7/2013	03:33		12/7/2013	03:41
1206B048.D	ZZZZZZ	ZZZZZZ	12/7/2013	03:48		12/7/2013	03:56
1206B049.D	ZZZZZZ	ZZZZZZ	12/7/2013	04:03		12/7/2013	04:11
1206B050.D	ZZZZZZ	ZZZZZZ	12/7/2013	04:18		12/7/2013	04:26
1206B051.D	ZZZZZZ	ZZZZZZ	12/7/2013	04:33		12/7/2013	04:41
1206B052.D	Continuing Calibration Verification	KWG1313600-9	12/7/2013	04:49		12/7/2013	04:57
1206B053.D	Instrument Blank	KWG1313600-10	12/7/2013	05:04		12/7/2013	05:12
1206B054.D	ZZZZZZ	ZZZZZZ	12/7/2013	05:19		12/7/2013	05:27
1206B055.D	ZZZZZZ	ZZZZZZ	12/7/2013	05:34		12/7/2013	05:42
1206B056.D	ZZZZZZ	ZZZZZZ	12/7/2013	05:49		12/7/2013	05:57
1206B057.D	ZZZZZZ	ZZZZZZ	12/7/2013	06:04		12/7/2013	06:12
1206B058.D	EW 1-4 COMP.	K1313169-001	12/7/2013	06:20		12/7/2013	06:28
1206B059.D	EW 1-4 COMP.MS	KWG1313485-1	12/7/2013	06:35		12/7/2013	06:43
1206B060.D	EW 1-4 COMP.DMS	KWG1313485-2	12/7/2013	06:50		12/7/2013	06:58
1206B061.D	Continuing Calibration Verification	KWG1313600-11	12/7/2013	07:05		12/7/2013	07:13
1206B062.D	Instrument Blank	KWG1313600-12	12/7/2013	07:20		12/7/2013	07:28

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: K1313169

Analysis Run Log
Chlorinated Phenols

Analysis Method: 8151M

Analysis Lot: KWG1313636
Instrument ID: GC27
Column: Rtx-5

File ID	Sample Name	Lab Code	Date Analysis Started	Start Time	Q	Date Analysis Finished	Finish Time
1209F006.D	Continuing Calibration Verification	KWG1313636-1	12/9/2013	16:24		12/9/2013	16:32
1209F007.D	Instrument Blank	KWG1313636-2	12/9/2013	16:40		12/9/2013	16:48
1209F008.D	ZZZZZZ	ZZZZZZ	12/9/2013	16:59		12/9/2013	17:07
1209F009.D	ZZZZZZ	ZZZZZZ	12/9/2013	17:14		12/9/2013	17:22
1209F010.D	ZZZZZZ	ZZZZZZ	12/9/2013	17:29		12/9/2013	17:37
1209F011.D	ZZZZZZ	ZZZZZZ	12/9/2013	17:44		12/9/2013	17:52
1209F012.D	ZZZZZZ	ZZZZZZ	12/9/2013	18:00		12/9/2013	18:08
1209F013.D	ZZZZZZ	ZZZZZZ	12/9/2013	18:15		12/9/2013	18:23
1209F014.D	ZZZZZZ	ZZZZZZ	12/9/2013	18:30		12/9/2013	18:38
1209F015.D	ZZZZZZ	ZZZZZZ	12/9/2013	18:45		12/9/2013	18:53
1209F016.D	ZZZZZZ	ZZZZZZ	12/9/2013	19:01		12/9/2013	19:09
1209F017.D	ZZZZZZ	ZZZZZZ	12/9/2013	19:16		12/9/2013	19:24
1209F018.D	ZZZZZZ	ZZZZZZ	12/9/2013	19:31		12/9/2013	19:39
1209F019.D	Continuing Calibration Verification	KWG1313636-3	12/9/2013	19:46		12/9/2013	19:54
1209F020.D	Instrument Blank	KWG1313636-4	12/9/2013	20:01		12/9/2013	20:09
1209F021.D	ZZZZZZ	ZZZZZZ	12/9/2013	20:16		12/9/2013	20:24
1209F022.D	ZZZZZZ	ZZZZZZ	12/9/2013	20:32		12/9/2013	20:40
1209F023.D	ZZZZZZ	ZZZZZZ	12/9/2013	20:47		12/9/2013	20:55
1209F024.D	ZZZZZZ	ZZZZZZ	12/9/2013	21:02		12/9/2013	21:10
1209F028.D	ZZZZZZ	ZZZZZZ	12/9/2013	22:03		12/9/2013	22:11
1209F029.D	ZZZZZZ	ZZZZZZ	12/9/2013	22:18		12/9/2013	22:26
1209F030.D	Continuing Calibration Verification	KWG1313636-5	12/9/2013	22:33		12/9/2013	22:41
1209F031.D	Instrument Blank	KWG1313636-6	12/9/2013	22:48		12/9/2013	22:56
1209F032.D	ZZZZZZ	ZZZZZZ	12/9/2013	23:03		12/9/2013	23:11
1209F033.D	ZZZZZZ	ZZZZZZ	12/9/2013	23:18		12/9/2013	23:26
1209F034.D	ZZZZZZ	ZZZZZZ	12/9/2013	23:34		12/9/2013	23:42
1209F035.D	ZZZZZZ	ZZZZZZ	12/9/2013	23:49		12/9/2013	23:57
1209F036.D	ZZZZZZ	ZZZZZZ	12/10/2013	00:04		12/10/2013	00:12
1209F037.D	ZZZZZZ	ZZZZZZ	12/10/2013	00:19		12/10/2013	00:27
1209F038.D	ZZZZZZ	ZZZZZZ	12/10/2013	00:34		12/10/2013	00:42
1209F039.D	ZZZZZZ	ZZZZZZ	12/10/2013	00:49		12/10/2013	00:57
1209F040.D	ZZZZZZ	ZZZZZZ	12/10/2013	01:05		12/10/2013	01:13
1209F041.D	Continuing Calibration Verification	KWG1313636-7	12/10/2013	01:20		12/10/2013	01:28
1209F042.D	Instrument Blank	KWG1313636-8	12/10/2013	01:35		12/10/2013	01:43

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: K1313169

Analysis Run Log
Chlorinated Phenols

Analysis Method: 8151M

Analysis Lot: KWG1313636
Instrument ID: GC27
Column: Rtx-5

File ID	Sample Name	Lab Code	Date Analysis Started	Start Time	Q	Date Analysis Finished	Finish Time
1209F043.D	ZZZZZZ	ZZZZZZ	12/10/2013	01:50		12/10/2013	01:58
1209F044.D	EW 1-4 COMP.	K1313169-001	12/10/2013	02:05		12/10/2013	02:13
1209F045.D	Continuing Calibration Verification	KWG1313636-9	12/10/2013	02:20		12/10/2013	02:28
1209F046.D	Instrument Blank	KWG1313636-10	12/10/2013	02:36		12/10/2013	02:44

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: K1313169
Date Extracted: 12/04/2013

Extraction Prep Log
Chlorinated Phenols

Extraction Method: Method
Analysis Method: 8151M

Extraction Lot: KWG1313485
Level: Low

Sample Name	Lab Code	Date Collected	Date Received	Sample Amount	Final Volume	% Solids	Note
EW 1-4 COMP.	K1313169-001	12/02/13	12/04/13	5mL	1mL	NA	
EW 1-4 COMP.DL	K1313169-001	12/02/13	12/04/13	5mL	1mL	NA	
Method Blank	KWG1313485-4	NA	NA	5mL	1mL	NA	
EW 1-4 COMP.MS	KWG1313485-1	12/02/13	12/04/13	5mL	1mL	NA	
EW 1-4 COMP.DMS	KWG1313485-2	12/02/13	12/04/13	5mL	1mL	NA	
Lab Control Sample	KWG1313485-3	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	**Service Request:**	K1313169
Project:	J.H. Baxter-Arlington	**Date Collected:**	12/02/2013
Sample Matrix:	Water	**Date Received:**	12/04/2013
		Date Extracted:	12/04/2013

Chlorinated Phenols

Sample Name:	EW 1-4 COMP.	**Units:**	ug/L
Lab Code:	K1313169-001	**Basis:**	NA
Extraction Method:	Method	**Level:**	Low
Analysis Method:	8151M		

Analyte Name	MRL	MDL	Primary Result	Confirmation Result	RPD	Q	Dilution Factor	Date Analyzed
Tetrachlorophenols, Total	1.0	0.25	21	22	4.7		1	12/07/13
Pentachlorophenol	50	16	630	640	1.6	D	100	12/10/13

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:

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February 2014

Project No. 461M125612.01.4

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Table 1 Field Samples Submitted to ALS Environmental and Corresponding Laboratory Identifications

Table 2 Field Duplicate Detections

Table 3 Qualifiers Added During Validation

ACRONYMS

%D	percent difference or percent drift
µg/L	micrograms per liter
ALS	ALS Environmental
AMEC	AMEC Environment & Infrastructure, Inc.
CLP	Contract Laboratory Program
COC	chain of custody
CVS	calibration verification standard
EPA	United States Environmental Protection Agency
ICAL	initial calibration
ICV	initial calibration verification
ID	identification
LCS	laboratory control sample
LCSD	laboratory control sample duplicate
MDL	method detection limit
MS	matrix spike
MSD	matrix spike duplicate
PAH	polycyclic aromatic hydrocarbon
PCP	pentachlorophenol
QC	quality control
RL	reporting limit
RPD	relative percent difference

RRF	relative response factor
RSD	relative standard deviations
SADMP	Sampling and Analysis and Data Management Plan
SIM	selected ion monitoring

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, and one rinsate blank were collected between December 1 and 3, 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 REASON CODES APPLIED DURING DATA VALIDATION

DL The analyte concentration is between the method detection limit (MDL) and the reporting limit (RL).

LC Low CVS recovery.

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.

RB The analyte was detected in the sample and the associated rinsate blank. The concentration detected in the sample was less than five times the concentration detected in the blank.

SC Imprecision between results from the primary and secondary analytical columns.

4.0 DATA VALIDATION FINDINGS

4.1 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.

4.2 PENTACHLOROPHENOL BY EPA METHOD 8151 MODIFIED

4.2.1 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.

4.2.2 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.

4.2.3 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.

4.2.4 Calibration Verification

CVSs were analyzed at the beginning of each analytical shift and after every 10 samples. The absolute values of the %Ds from the ICAL were less than the EPA-recommended maximum of 20%.

4.2.5 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 rinsate blank associated with these samples.

4.2.6 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.

4.2.7 Laboratory Control Sample Analyses

The laboratory reported LCSs and/or 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.

4.2.8 Matrix Spike/Matrix Spike Duplicate Analyses

Matrix spike (MS)/MS duplicate (MSD) analyses were performed on samples MW-35 and EW 1-4 Comp. 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 exception:

- PCP recoveries were extremely low at -2,842% in the MS and -2,842% in the MSD performed on sample EW 1-4 Comp. The background PCP concentration in the unspiked native sample, at 630 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.

4.2.9 Laboratory Reporting Limits

The SADMP-specified quantitation requirement goals were met for all samples that were analyzed undiluted.

4.2.10 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-23. Field duplicate results are summarized in Table 2. RPDs between the primary and duplicate samples were less than the SADMP-specified maximum limit of 35%.

4.2.11 Data Reporting and Analytical Procedures

There was greater than 40% RPD between the PCP results from the primary and confirmation analytical columns in samples MW-26, MW-27, MW-31, and MW-38. AMEC N qualified these results as being presumptively identified. (N-SC)

4.3 Polycyclic Aromatic Hydrocarbons by EPA Method 8270D SIM

4.3.1 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.

4.3.2 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.

4.3.3 Initial Calibration

RSDs were less than the method-specified maximum of 20% in the ICALs associated with the analysis of these samples. Additionally, relative response factors (RRFs) were greater than the method-specified minima 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.

4.3.4 Initial Calibration Verification

An ICV was analyzed after each ICAL. RRFs were greater than EPA-recommended minima and %Ds from the ICAL were less than the EPA-recommended maximum of 30%.

4.3.5 Calibration Verification

CVSs were analyzed at the beginning of each12-hour analytical shift. RRFs were greater than the EPA-recommended minima and the absolute value of %Ds from the ICAL were less than the EPA-recommended maximum of 20% with the following exceptions:

- The %D for anthracene was outside EPA-recommended limits at -23% in the CVS associated with samples MW-15, MW-16, and MW-36. AMEC J qualified the detected anthracene results and UJ qualified the non-detected anthracene result from these samples due to potentially low analytical bias. (J/UJ-LC)
- %Ds for dibenz(a,h)anthracene and indeno(1,2,3-cd)pyrene were outside the EPA-recommended limits at 39% and 23%, respectively, in the CVS associated with samples BXS-1, BXS-2, BXS-5, MW-2, MW-3, MW-17, MW-18, MW-30, and MW-35. These analytes were not detected in the associated samples and data usability is not adversely affected by the potentially high analytical bias.

4.3.6 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, with the following exceptions:

- 2-Methylnaphthalene (0.0044 µg/L), naphthalene (0.0057 µg/L, and phenanthrene (0.0053 µg/L) were detected in the laboratory blank associated with the analysis of samples BXS-1, BXS-2, BXS-5, MW-2, MW-3, MW-15, MW-16, MW-17, MW-18, MW-30, MW-35, MW-36, and MW-37. Data limitations are summarized below.
  - AMEC U qualified the detected 2-methylnaphthalene results from samples BXS-1 (0.0029 µg/L), BXS-2 (0.0042 µg/L), BXS-5 (0.0031 µg/L), MW-2 (0.0044 µg/L), MW-3 (0.0071 µg/L), MW-15 (0.0045 µg/L), MW-16 (0.0031 µg/L), MW-30 (0.0072 µg/L), and MW-36 (0.0039 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 phenanthrene results from samples MW-2 (0.0068 µg/L), MW-3 (0.016 µg/L), MW-15 (0.009 µg/L), MW-16 (0.0067 µg/L), MW-17 (0.0057 µg/L), MW-18 (0.0061 µg/L), MW-30 (0.0087 µg/L), MW-35 (0.0098 µg/L), and MW-36 (0.0087 µg/L) because the concentrations detected in the samples were less than five times the concentration detected in the blank. (U-MB)

- 2-Methylnaphthalene and phenanthrene were not detected in the remaining samples and naphthalene was detected in the associated samples at concentrations greater than five times the concentration detected in the blank. Data usability is not adversely affected.

Rinsate Blank

Target analytes were not detected in the rinsate blank associated with these samples, with the following exceptions:

- Benzo(a)anthracene (0.0035 µg/L), 2-methylnaphthalene (0.018 µg/L), naphthalene (0.10 µg/L), and phenanthrene (0.0073 µg/L) were detected in the rinsate blank associated with samples BXS-1, BXS-2, BXS-5, HCMW-7, MW-2, MW-15, MW-16, MW-17, MW-18, MW-22, MW-28, MW-29, MW-31, MW-33, MW-34, MW-37, MW-38, MW-39, MW-40, MW-42, and MW-43. Data limitations are summarized below.
  - AMEC U qualified the detected benzo(a)anthracene results from samples MW-15 (0.0042 µg/L) and MW-17 (0.0033 µg/L) because the concentrations detected in the samples were less than five times the concentration detected in the blank. (U-RB)
  - AMEC U qualified the detected naphthalene results from samples BXS-1 (0.042 µg/L), BXS-2 (0.057 µg/L), BXS-5 (0.058 µg/L), MW-2 (0.080 µg/L), MW-15 (0.073 µg/L), MW-16 (0.053 µg/L), MW-17 (0.050 µg/L), MW-18 (0.074 µg/L), and MW-37 (0.063 µg/L) because the concentrations detected in the samples were less than five times the concentration detected in the blank. (U-RB)
  - Benzo(a)anthracene, 2-methylnaphthalene, naphthalene, and phenanthrene either were not detected in the remaining associated samples, or the detected results were previously qualified due to laboratory blank detections and no further qualifications are necessary. Data usability is not adversely affected.

4.3.7 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}.

4.3.8 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.

4.3.9 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.

4.3.10 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.

4.3.11 Laboratory Reporting Limits

The SADMP reporting limit goals were met for all samples.

4.3.12 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. Target analytes were not detected in either sample BXS-1 or its field duplicate BXS-5, and it is not possible to evaluate sampling or analytical precision based on these results.

4.3.13 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)

4.4 OVERALL ASSESSMENT OF DATA USABILITY

The data are fully usable with the addition of the qualifiers specified in Sections 4.2 and 4.3, which are summarized in Table 3.

AMEC reviewed a total of 258 results from these samples. AMEC J or UJ qualified 12 results (4.6%) as estimated values because of low CVS recovery or analyte detections between the MDL and the RL, U qualified 29 results (11.2%) as being not detected because of analyte detections in the associated laboratory or rinsate blanks, and N qualified four (1.6%) 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.

EPA, 1996. Method 8151A, Chlorinated Herbicides by GC Using Methylation or Pentafluorobenzylation Derivatization, Revision 1. December 1996.

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
HCMW-7	12/2/2013	K1313167-001	PCP only
MW-15	12/2/2013	K1313167-002	
MW-16	12/2/2013	K1313167-003	
MW-17	12/2/2013	K1313167-004	
MW-18	12/2/2013	K1313167-005	
MW-2	12/2/2013	K1313167-006	
MW-22	12/2/2013	K1313167-007	PCP only
MW-23	12/1/2013	K1313167-008	PCP only
MW-24	12/1/2013	K1313167-009	PCP only
MW-25	12/1/2013	K1313167-010	PCP only
MW-26	12/1/2013	K1313167-011	PCP only
MW-27	12/1/2013	K1313167-012	PCP only
MW-28	12/2/2013	K1313167-013	PCP only
MW-29	12/2/2013	K1313167-014	PCP only
MW-30	12/3/2013	K1313167-015	
MW-31	12/2/2013	K1313167-016	PCP only
MW-32	12/1/2013	K1313167-017	PCP only
MW-33	12/2/2013	K1313167-018	PCP only
MW-34	12/2/2013	K1313167-019	PCP only
MW-35	12/1/2013	K1313167-020	MS/MSD
MW-36	12/1/2013	K1313167-021	
MW-37	12/2/2013	K1313167-022	
MW-38	12/2/2013	K1313167-023	PCP only
MW-39	12/2/2013	K1313167-024	PCP only
MW-40	12/2/2013	K1313167-025	PCP only
MW-41	12/1/2013	K1313167-026	PCP only
MW-42	12/2/2013	K1313167-027	PCP only
MW-43	12/2/2013	K1313167-028	PCP only
MW-44	12/1/2013	K1313167-029	PCP only, Field duplicate of MW-23
Field Blank Rinsate	12/2/2013	K1313167-030	
MW-3	12/1/2013	K1313167-031	
BXS-1	12/2/2013	K1313168-001	
BXS-2	12/2/2013	K1313168-002	
BXS-5	12/2/2013	K1313168-003	Field duplicate of BXS-1
EW 1-4 Comp	12/2/2013	K1313169-001	PCP and Breakdown Products only, MS/MSD

Notes:
ALS = ALS Environmental
ID = identification
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-23 and MW-44					
Pentachlorophenol	5.0	320	350	9%	
Samples BXS-1 and BXS-5					
Pentachlorophenol	5.0	57	58	2%	

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	0.0029 µg/L	U MB
	Naphthalene	0.042 µg/L	U RB
BXS-2	2-Methylnaphthalene	0.0042 µg/L	U MB
	Naphthalene	0.057 µg/L	U RB
BXS-5	2-Methylnaphthalene	0.0031 µg/L	U MB
	Naphthalene	0.058 µg/L	U RB
MW-2	2-Methylnaphthalene	0.0044 µg/L	U MB
	Anthracene	0.0072 µg/L	J DL
	Naphthalene	0.080 µg/L	U RB
	Phenanthrene	0.0068 µg/L	U MB
MW-3	2-Methylnaphthalene	0.0071 µg/L	U MB
	Acenaphthene	0.015 µg/L	J DL
	Acenaphthylene	0.013 µg/L	J DL
	Anthracene	0.012 µg/L	J DL
	Phenanthrene	0.016 µg/L	U MB
MW-15	2-Methylnaphthalene	0.0045 µg/L	U MB
	Anthracene	0.0077 µg/L	J DL, LC
	Benzo(a)anthracene	0.0042 µg/L	U RB
	Benzo(g,h,i)perylene	0.0051 µg/L	J DL
	Dibenzo(a,h)anthracene	0.0040 µg/L	J DL
	Naphthalene	0.073 µg/L	U RB
	Phenanthrene	0.0090 µg/L	U MB
MW-16	2-Methylnaphthalene	0.0031 µg/L	U MB
	Anthracene	0.019 µg/L	UJ LC
	Naphthalene	0.053 µg/L	U RB
	Phenanthrene	0.0067 µg/L	U MB
MW-17	Benzo(a)anthracene	0.0033 µg/L	U RB
	Naphthalene	0.050 µg/L	U RB
	Phenanthrene	0.0057 µg/L	U MB
MW-18	Naphthalene	0.074 µg/L	U RB
	Phenanthrene	0.0061 µg/L	U MB
MW-26	Pentachlorophenol	0.58 µg/L	N SC
MW-27	Pentachlorophenol	0.52 µg/L	N SC
MW-30	2-Methylnaphthalene	0.0072 µg/L	U MB
	Fluorene	0.0043 µg/L	J DL
	Phenanthrene	0.0087 µg/L	U MB
MW-31	Pentachlorophenol	0.500 µg/L	N SC
MW-35	Phenanthrene	0.0098 µg/L	U MB
MW-36	2-Methylnaphthalene	0.0039 µg/L	U MB
	Anthracene	0.017 µg/L	J DL, LC
	Fluorene	0.0084 µg/L	J DL
	Phenanthrene	0.0087 µg/L	U MB
MW-37	Anthracene	0.010 µg/L	J DL
	Naphthalene	0.063 µg/L	U RB
MW-38	Pentachlorophenol	0.42 µg/L	N SC

Notes:
µg/L = micrograms per liter

Table 3
Qualifiers Added During Validation
J.H. Baxter - Arlington

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.

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.

N = The analysis indicates the presence of an analyte for which there is presumptive evidence to make a tentative identification.

Reason Code Definitions:

DL = The analyte concentration is between the method detection limit and the reporting limit.

LC = Low calibration verification standard recovery. Result may be biased low.

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.

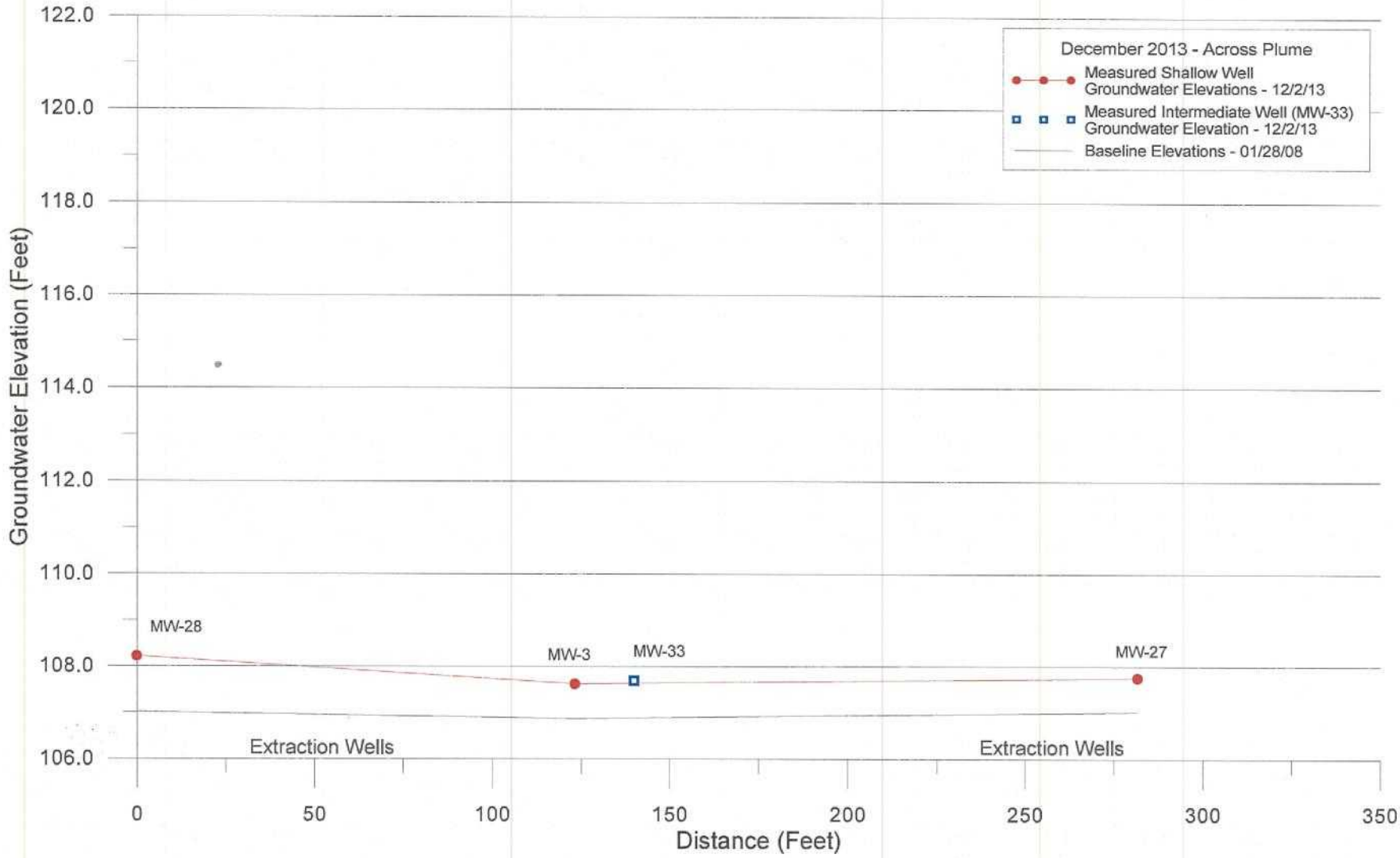
RB = The analyte was detected in the sample and the associated rinsate blank. The concentration detected in the sample was less than five times the concentration detected in the blank.

SC = Imprecision between results from the primary and secondary analytical columns.

APPENDIX D

Other Figures

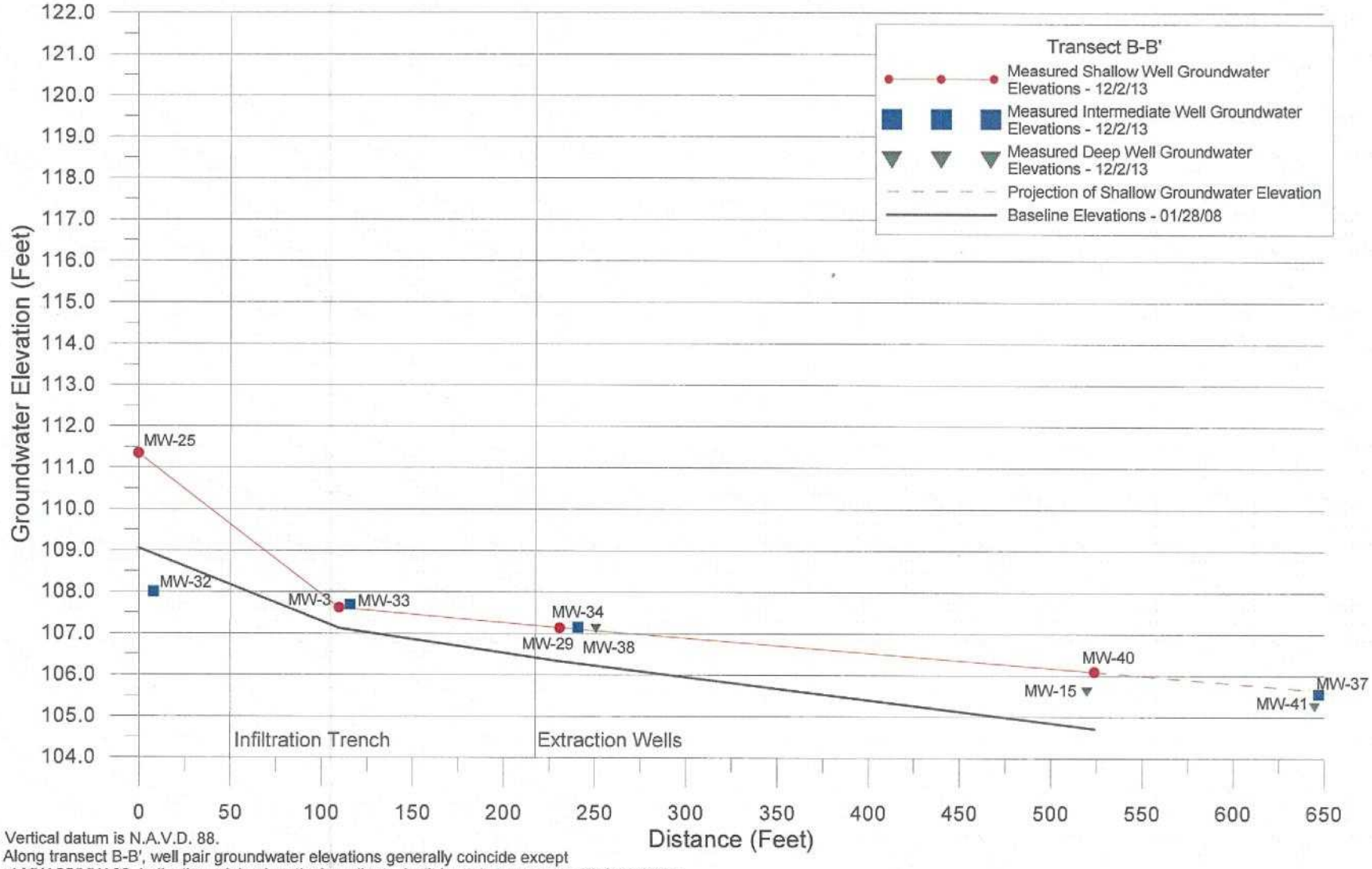
P:\12706 - JH Baxter Arlington\7000 Remediation\Performance Monitoring\Groundwater Cross Sections\GW_CrossSec_AA_12808_Baseline_2012.grf



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	FOURTH QUARTER 2013 MONITORING EVENT (DECEMBER 2013) GROUNDWATER ELEVATION CROSS-SECTION A-A' Former J.H. Baxter and Co. Wood Treating Facility Arlington, Washington	Prepared By: LCD 02/12/14	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	FOURTH QUARTER 2013 MONITORING EVENT (DECEMBER 2013) GROUNDWATER ELEVATION CROSS-SECTION B-B' Former J.H. Baxter and Co. Wood Treating Facility Arlington, Washington	Prepared By: LCD 02/12/14	Project No. 12706 Figure No. 2

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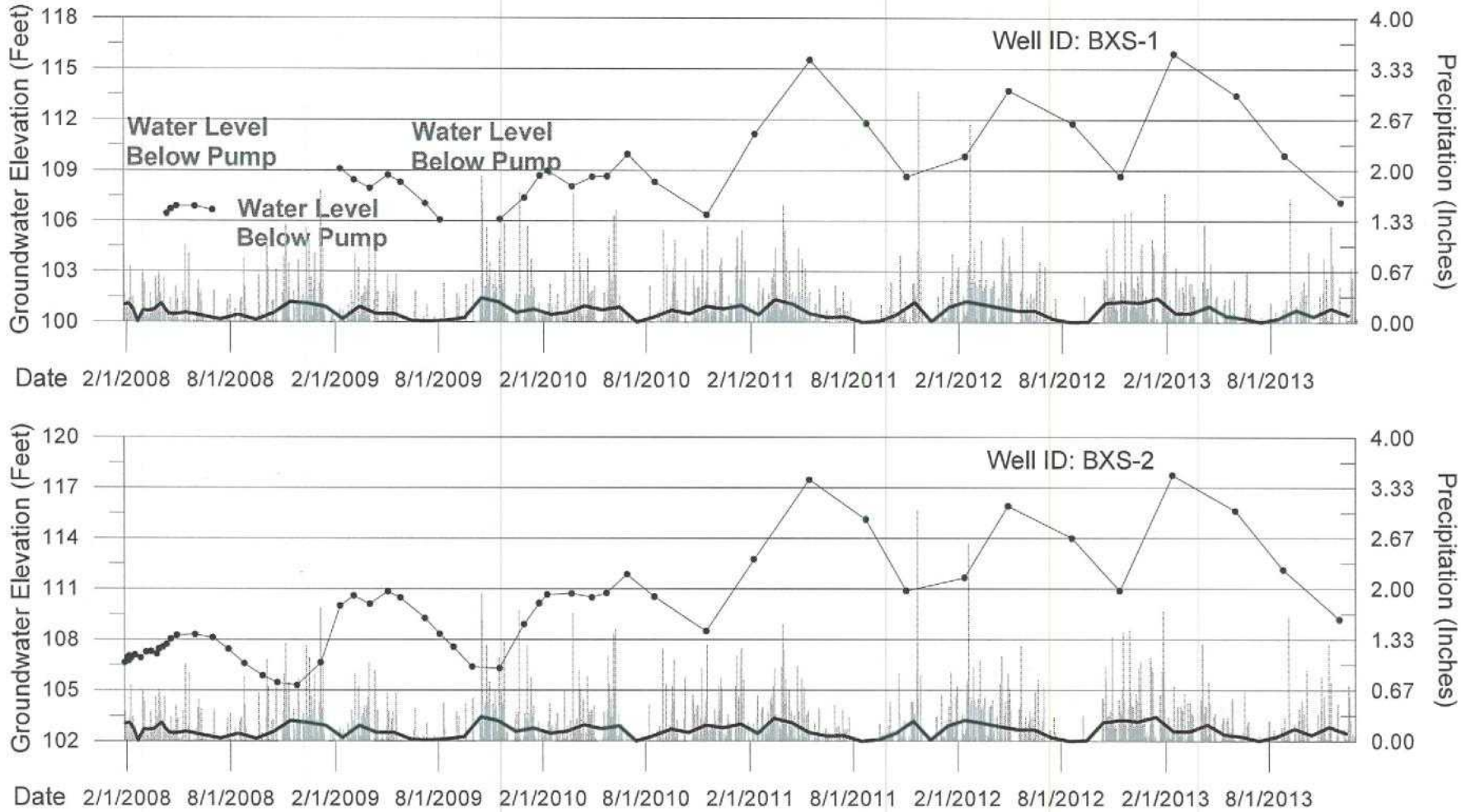


Notes:
1. Vertical datum is N.A.V.D 88.
2. Precipitation data source is the National Climatic Data Center (NCDC) Arlington, WA station (COOP ID: 450257).
3. Precipitation data include rain and/or melted snow.

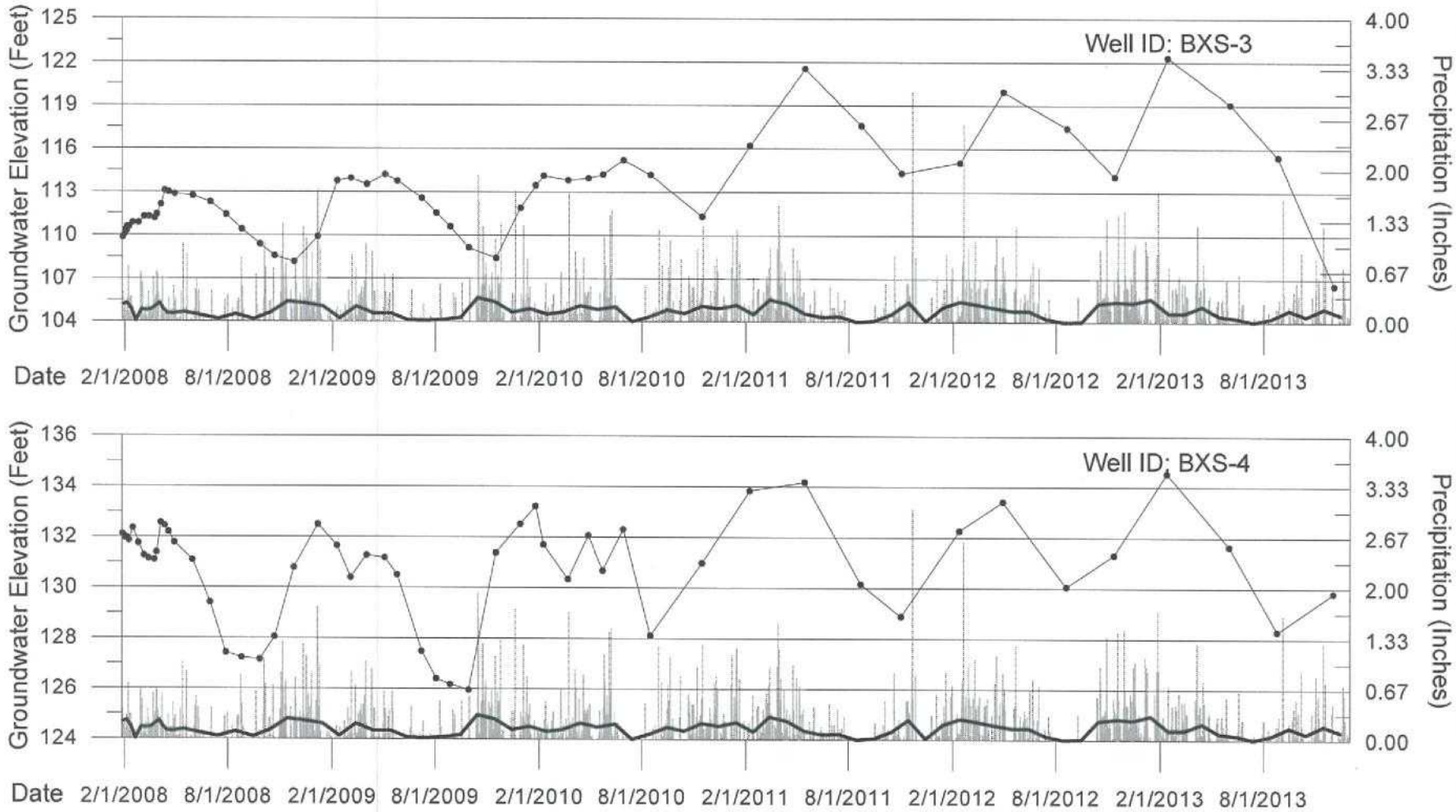
LEGEND
- Groundwater elevation time series
- Daily Precipitation (inches)
- Average precipitation between groundwater measurements (inches/day)

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
02/13/14	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.

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
02/13/14	Figure No. 4

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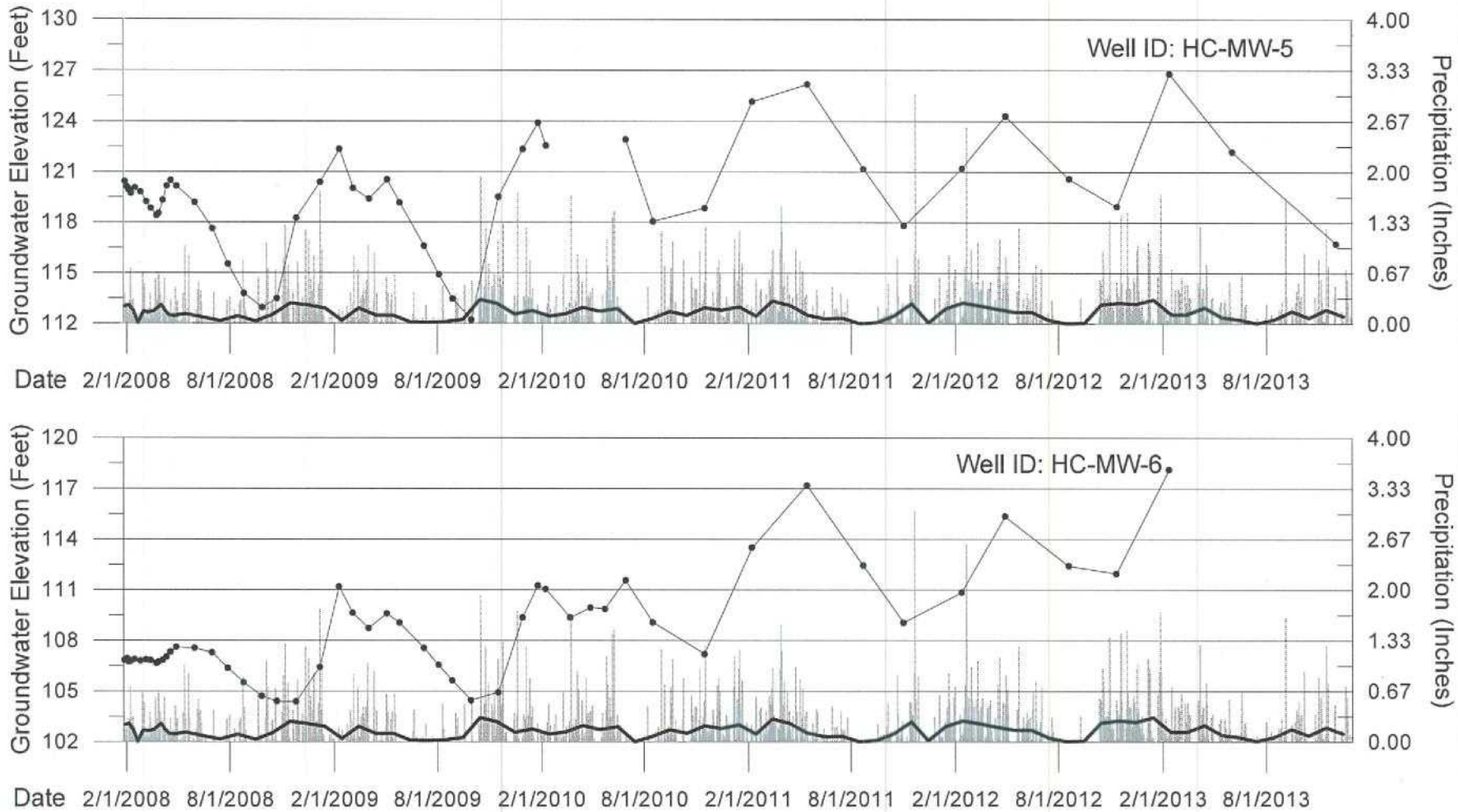


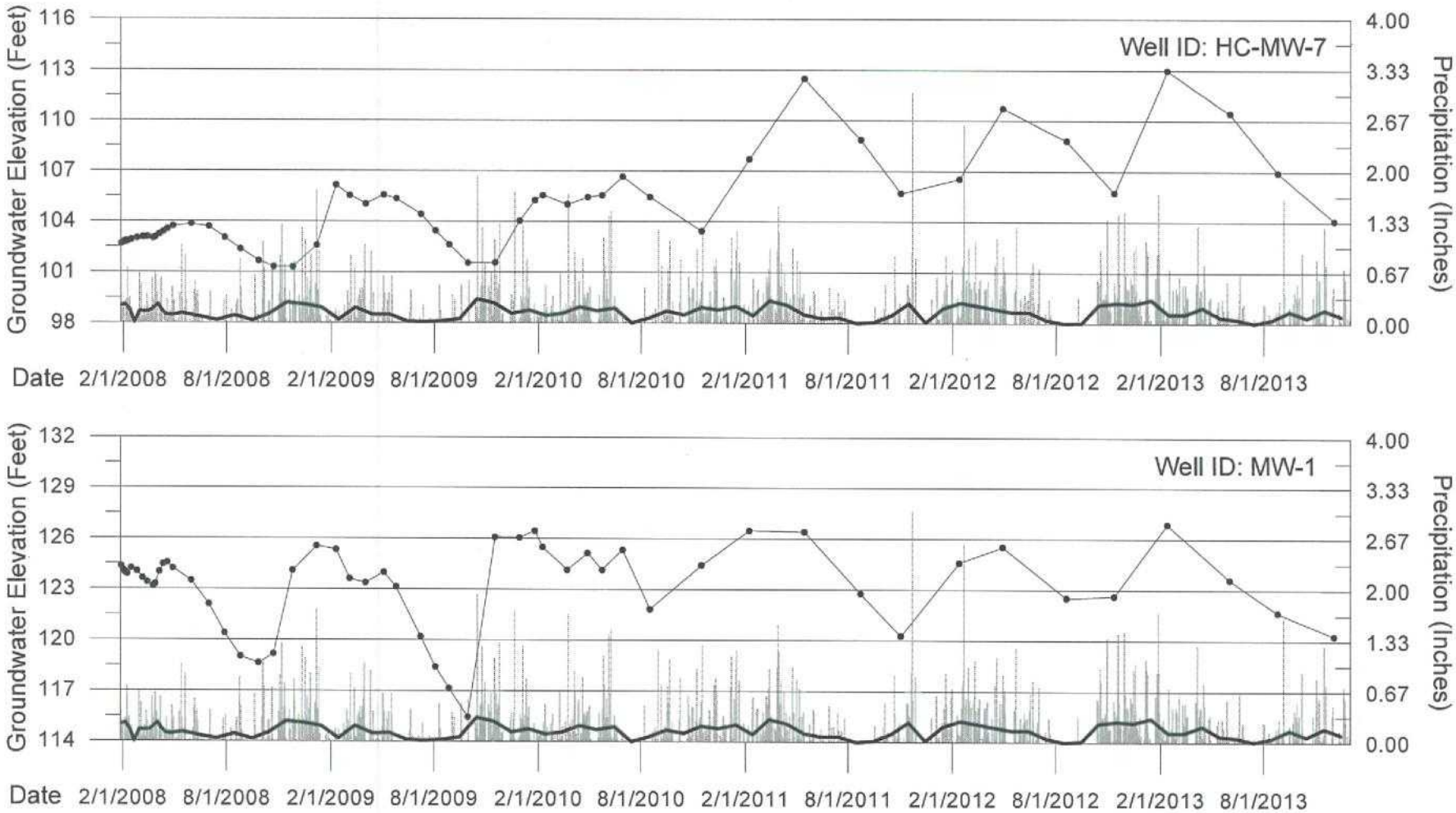
Notes:
1. Vertical datum is N.A.V.D 88.
2. Precipitation data source is the National Climatic Data Center (NCDC) Arlington, WA station (COOP ID: 450257).
3. Precipitation data include rain and/or melted snow.
4. Groundwater elevation was not collected at HC-MW-5 during the March and April 2010 sampling period due to damaged well monument lid that could not be opened.
5. Groundwater elevation was not measured at HC-MW-6 after 1st Quarter in 2013.

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
	02/13/14	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.

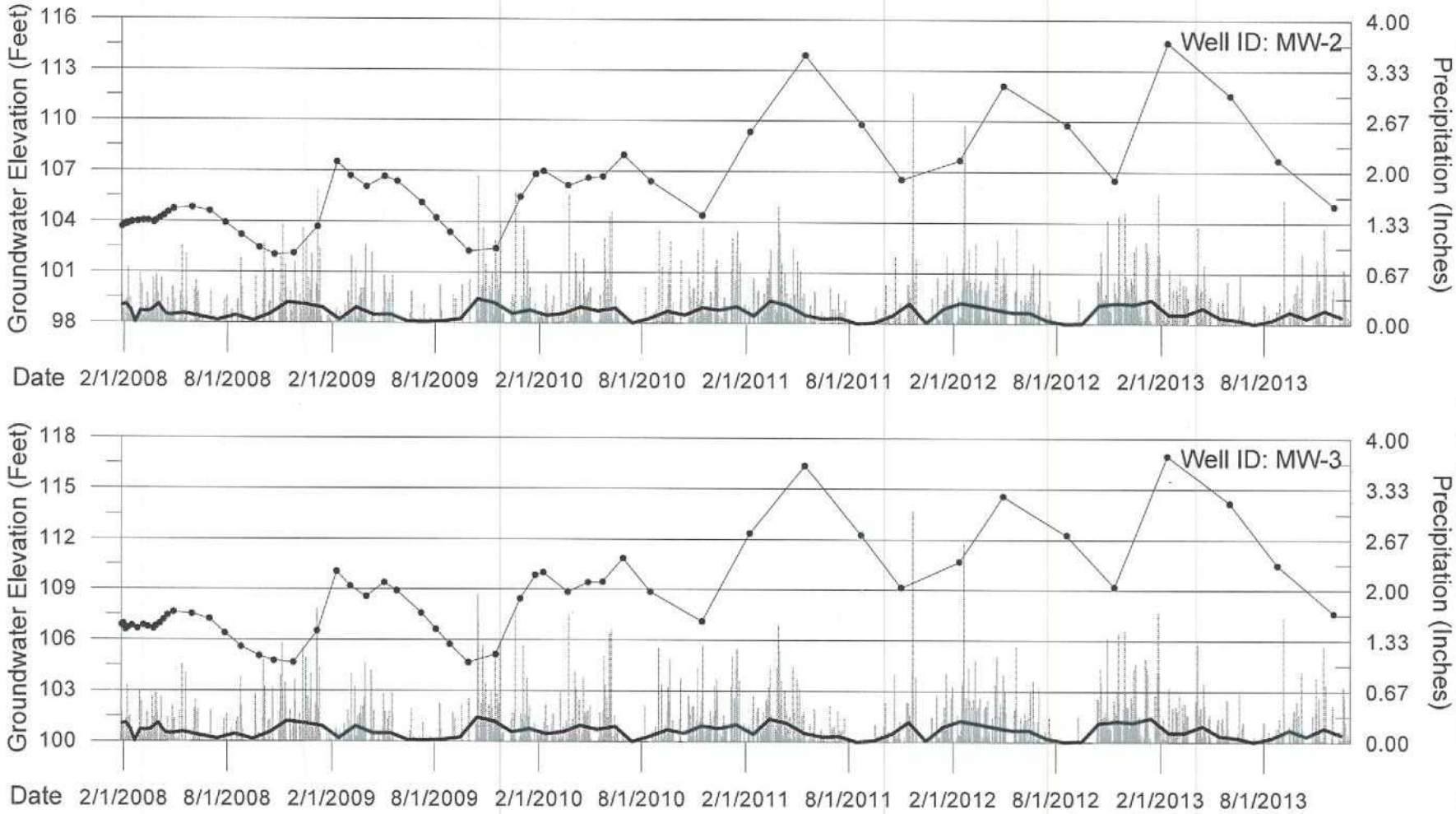
LEGEND
- Groundwater elevation time series
- Daily precipitation (inches)
- Average precipitation between groundwater measurements (inches/day)

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
02/13/14	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.

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
02/13/14	Figure No. 7

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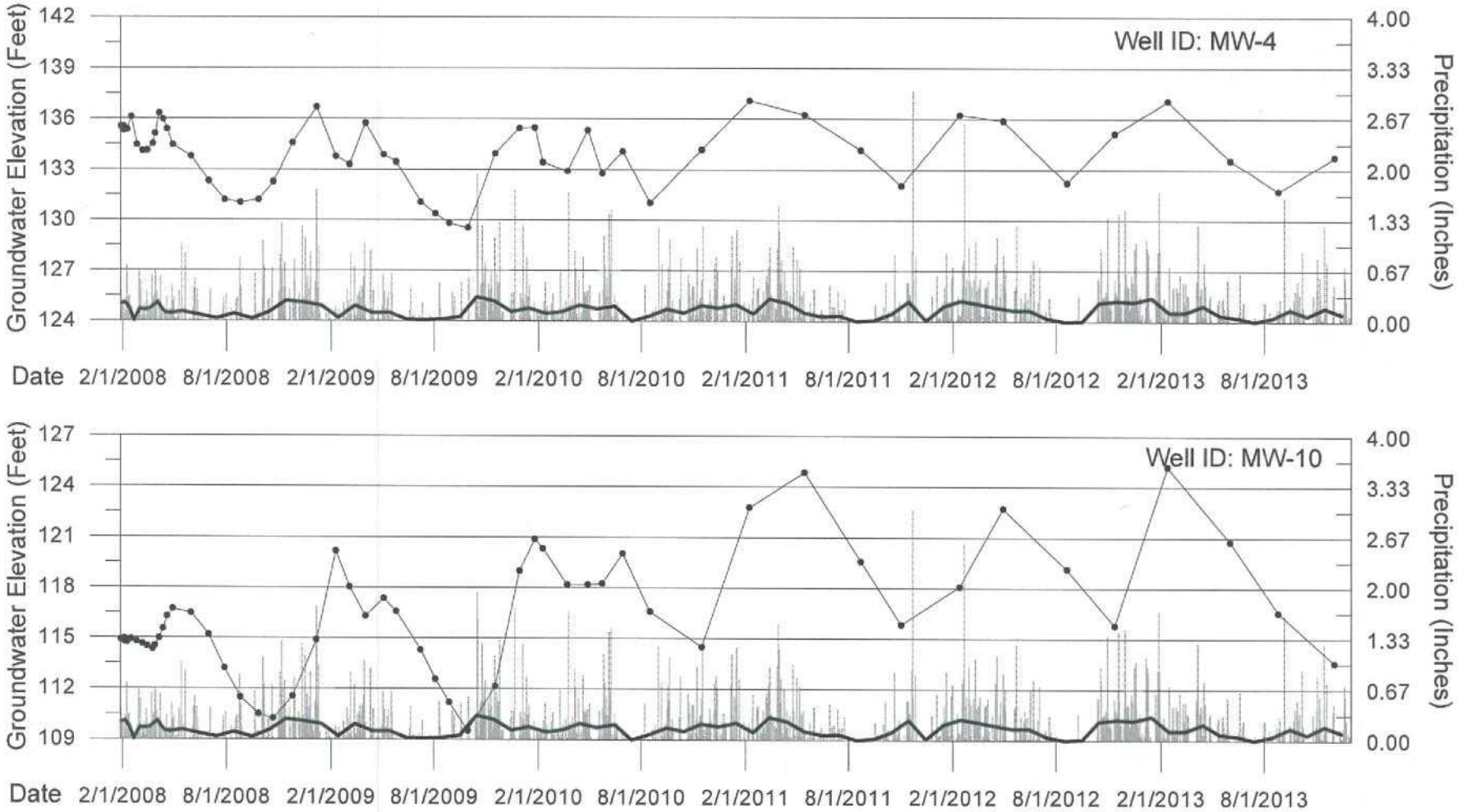

Notes: 1. Vertical datum is N.A.V.D 88.
2. Precipitation data source is the National Climatic Data Center (NCDC) Arlington, WA station (COOP ID: 450257).
3. Precipitation data include rain and/or melted snow.

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
02/13/14	Figure No. 8

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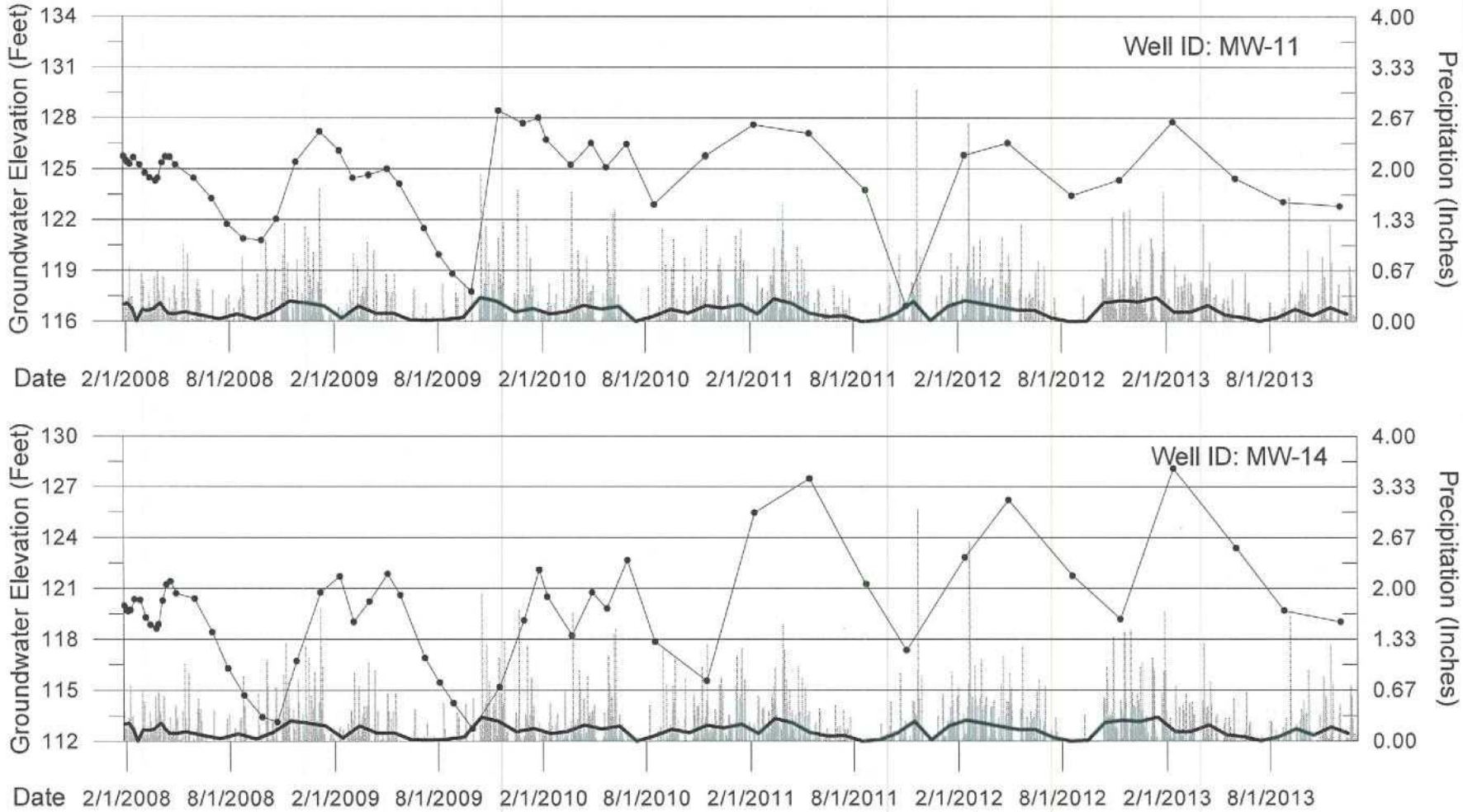


Notes:
1. Vertical datum is N.A.V.D 88.
2. Precipitation data source is the National Climatic Data Center (NCDC) Arlington, WA station (COOP ID: 450257).
3. Precipitation data include rain and/or melted snow.

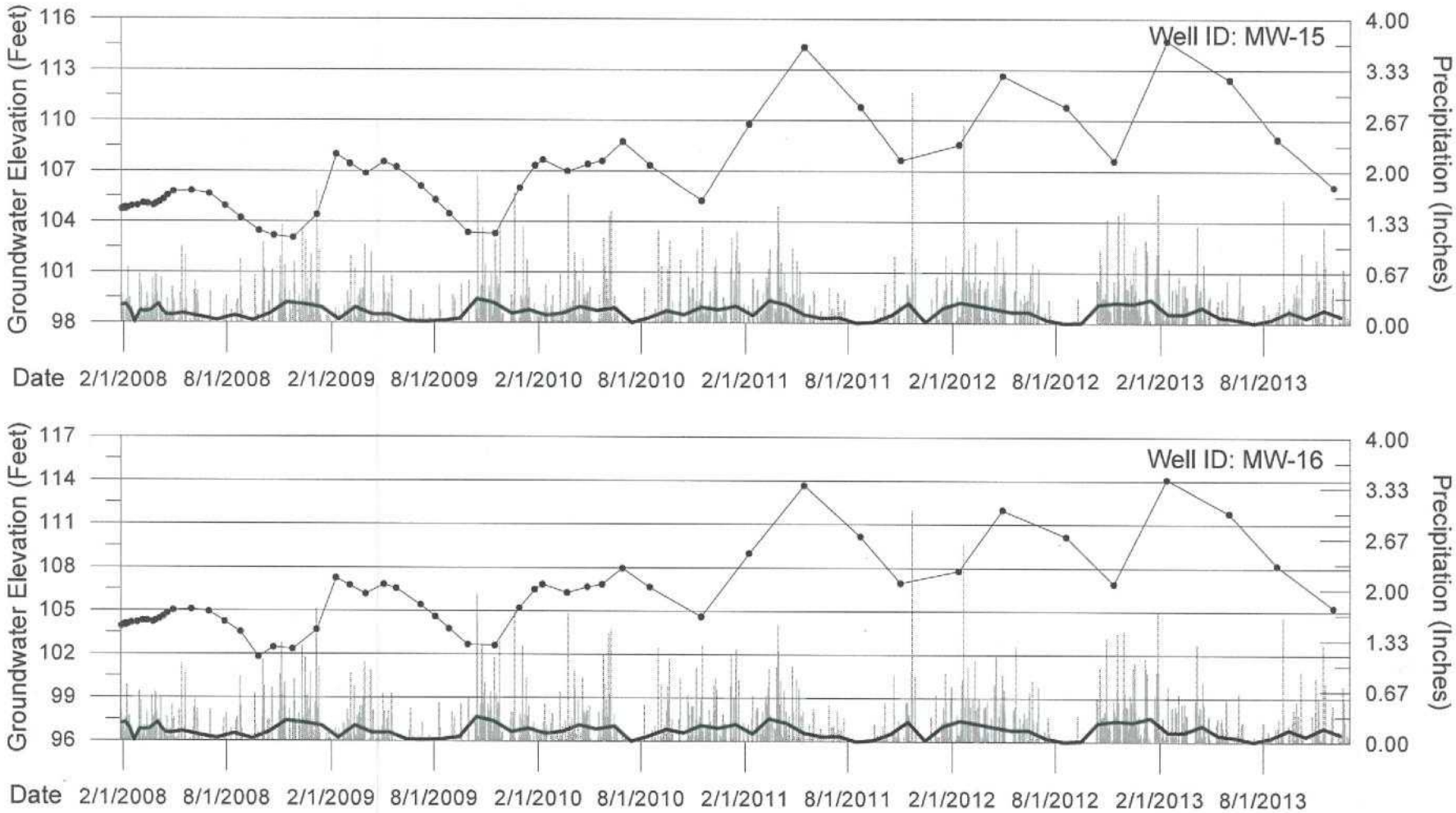
LEGEND
- Groundwater elevation time series
- Daily precipitation (inches)
- Average precipitation between groundwater measurements (inches/day)

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
02/13/14	Figure No. 9

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. 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
02/13/14	Figure No. 10

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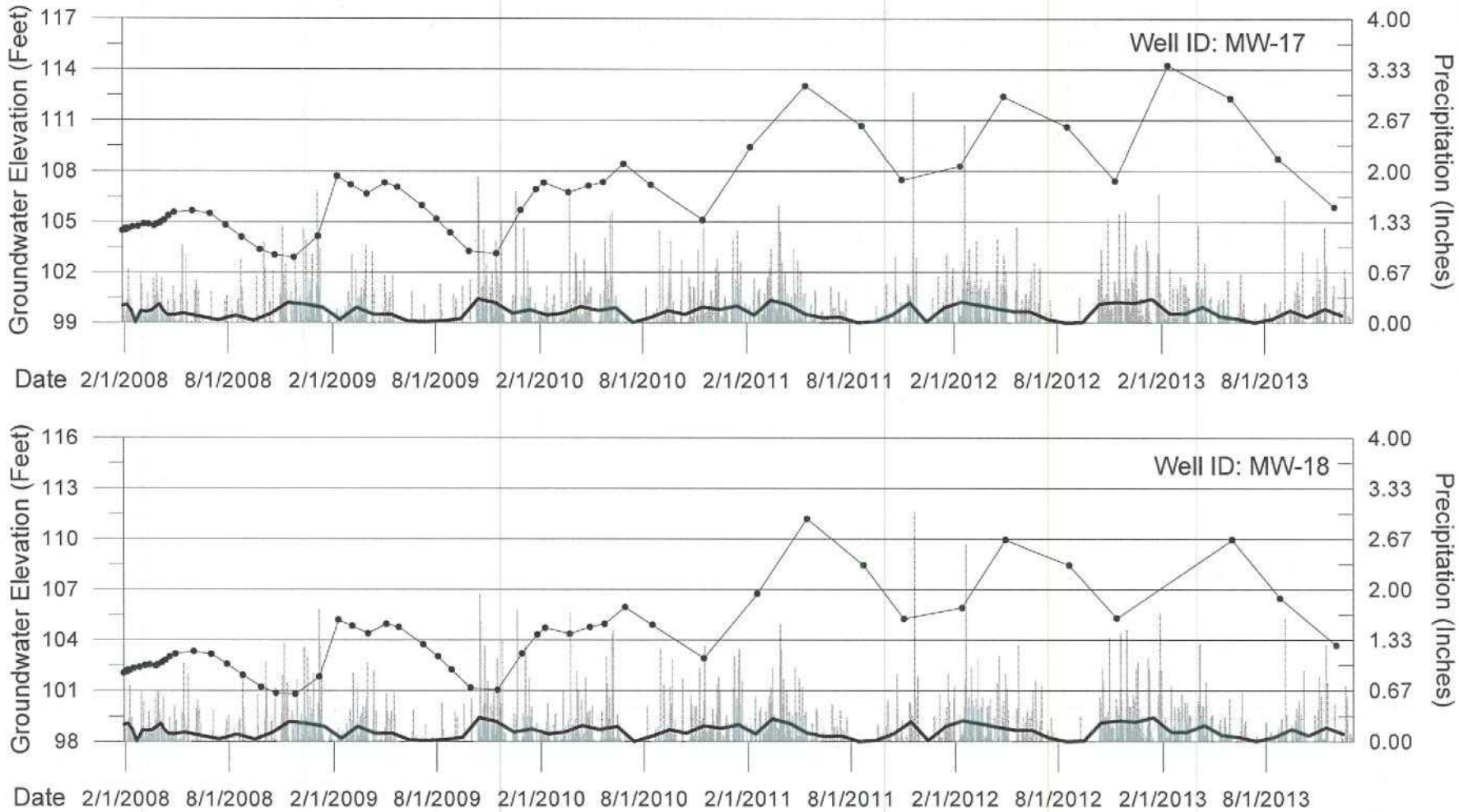

Notes: 1. Vertical datum is N.A.V.D 88.
2. Precipitation data source is the National Climatic Data Center (NCDC) Arlington, WA station (COOP ID: 450257).
3. Precipitation data include rain and/or melted snow.

LEGEND
- Groundwater elevation time series
- Daily precipitation (inches)
- Average precipitation between groundwater measurements (inches/day)

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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
02/13/14	Figure No. 11

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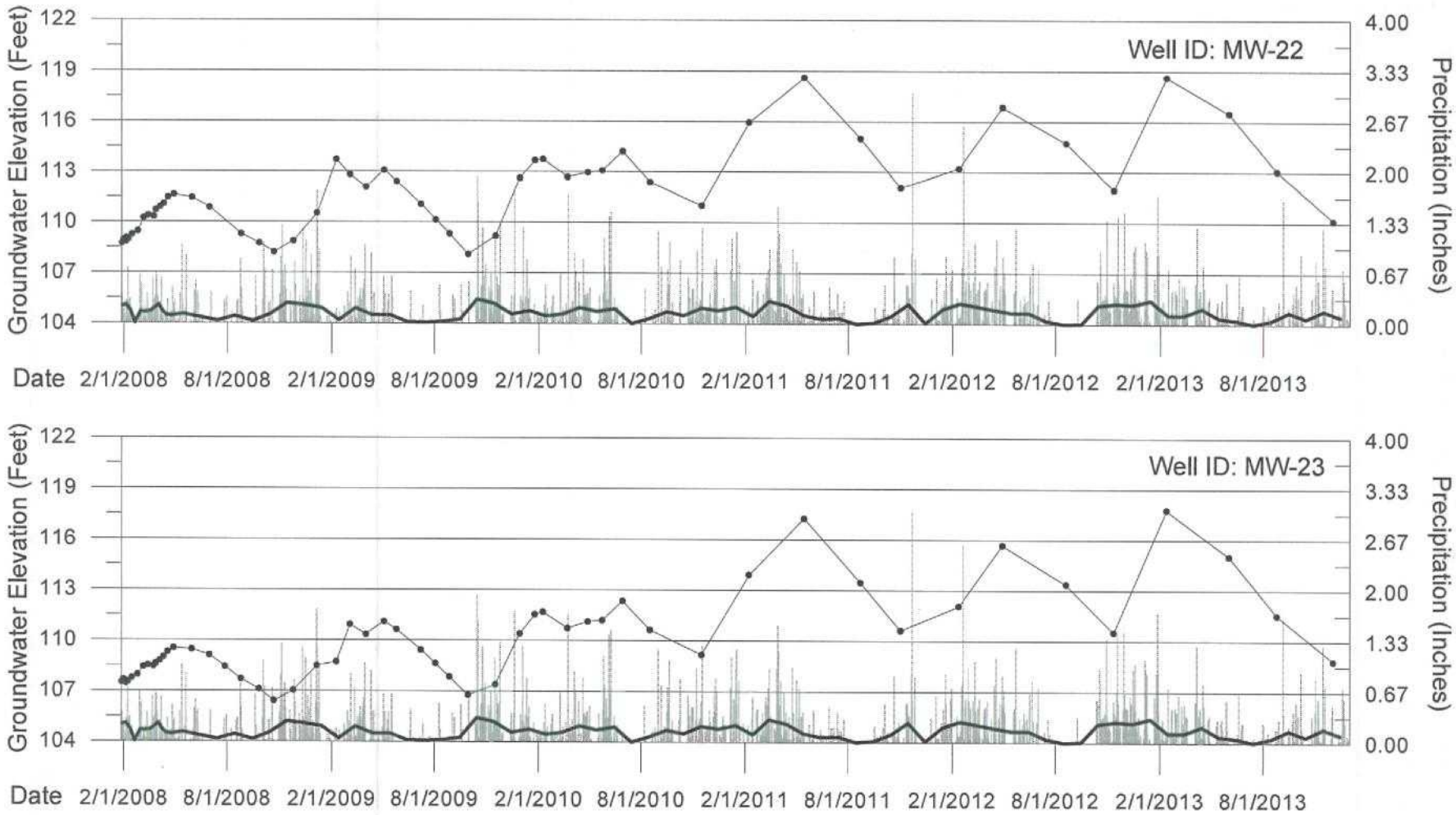

Notes: 1. Vertical datum is N.A.V.D 88.
2. Precipitation data source is the National Climatic Data Center (NCDC) Arlington, WA station (COOP ID: 450257).
3. Precipitation data include rain and/or melted snow.

LEGEND
- Groundwater elevation time series
- Daily precipitation (inches)
- Average precipitation between groundwater measurements (inches/day)

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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
02/13/14	Figure No. 12

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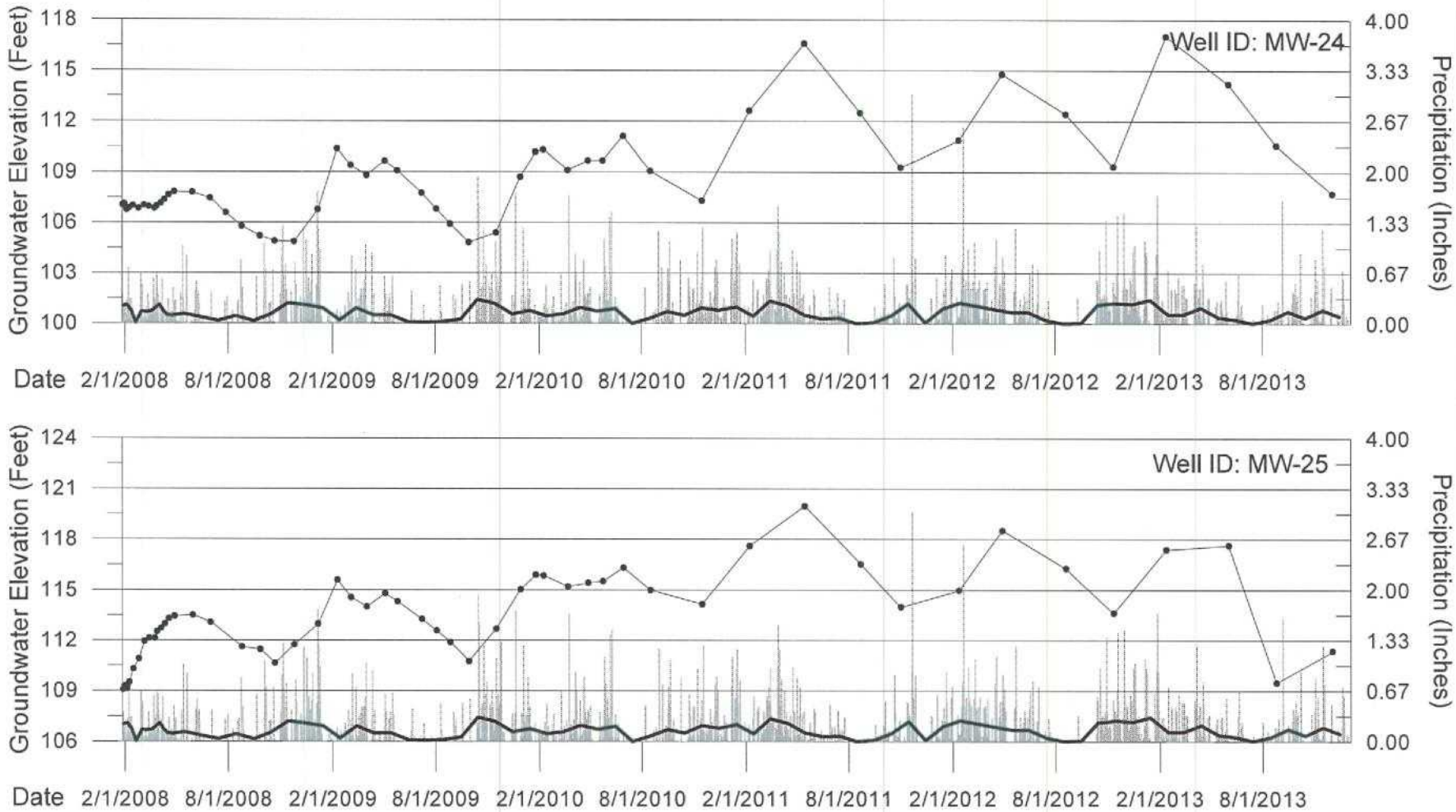

Notes: 1. Vertical datum is N.A.V.D 88.
2. Precipitation data source is the National Climatic Data Center (NCDC) Arlington, WA station (COOP ID: 450257).
3. Precipitation data include rain and/or melted snow.

LEGEND
- Groundwater elevation time series
- Daily precipitation (inches)
- Average precipitation between groundwater measurements (inches/day)

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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
02/13/14	Figure No. 13

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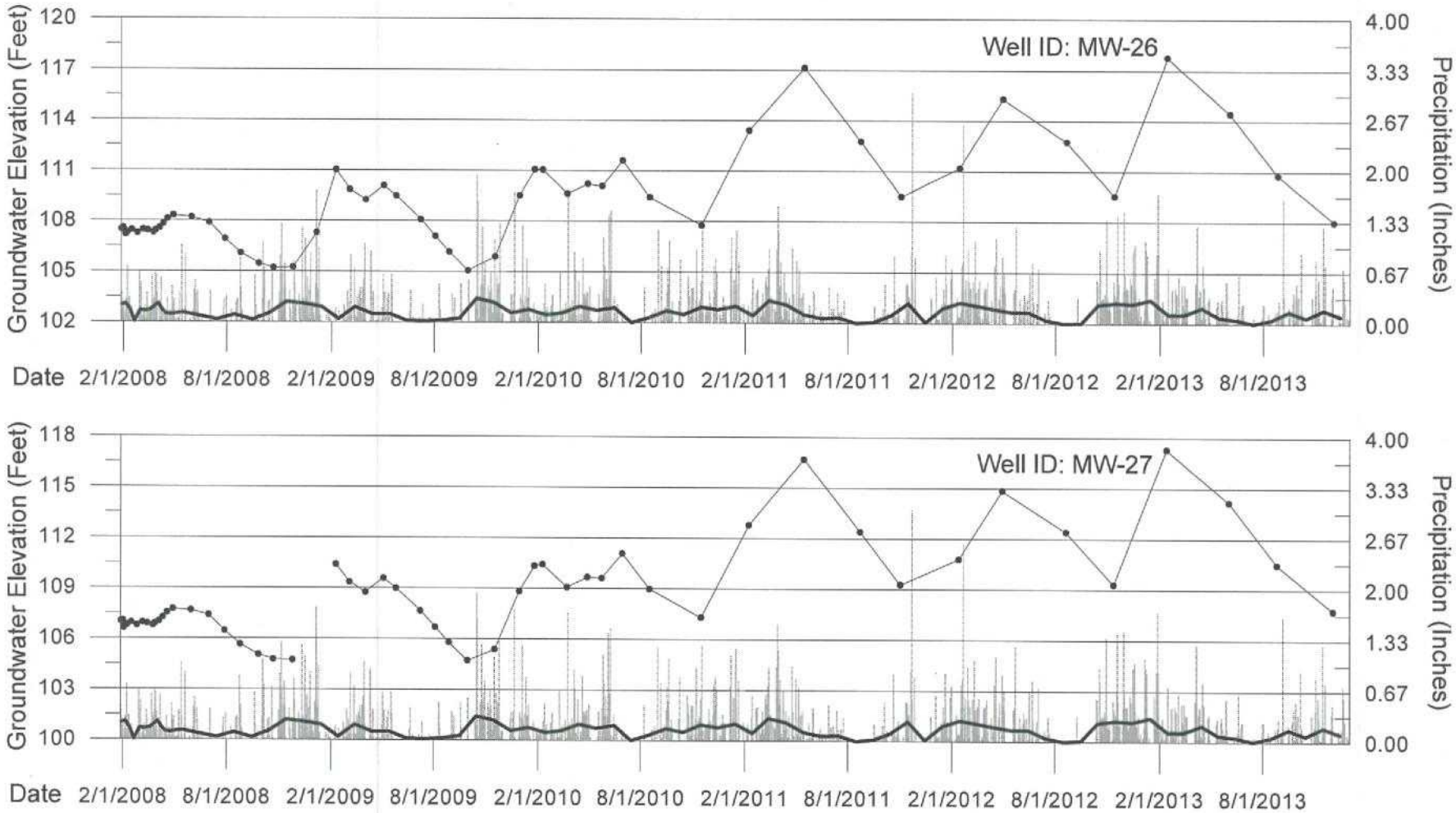

Notes:
1. Vertical datum is N.A.V.D 88.
2. Precipitation data source is the National Climatic Data Center (NCDC) Arlington, WA station (COOP ID: 450257).
3. Precipitation data include rain and/or melted snow.
4. Groundwater elevation was not collected at MW-27 during the December 2008 sampling period due to high surface water conditions surrounding the well.

LEGEND
- Groundwater elevation time series
- Daily precipitation (inches)
- Average precipitation between groundwater measurements (inches/day)

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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
02/13/14	Figure No. 14

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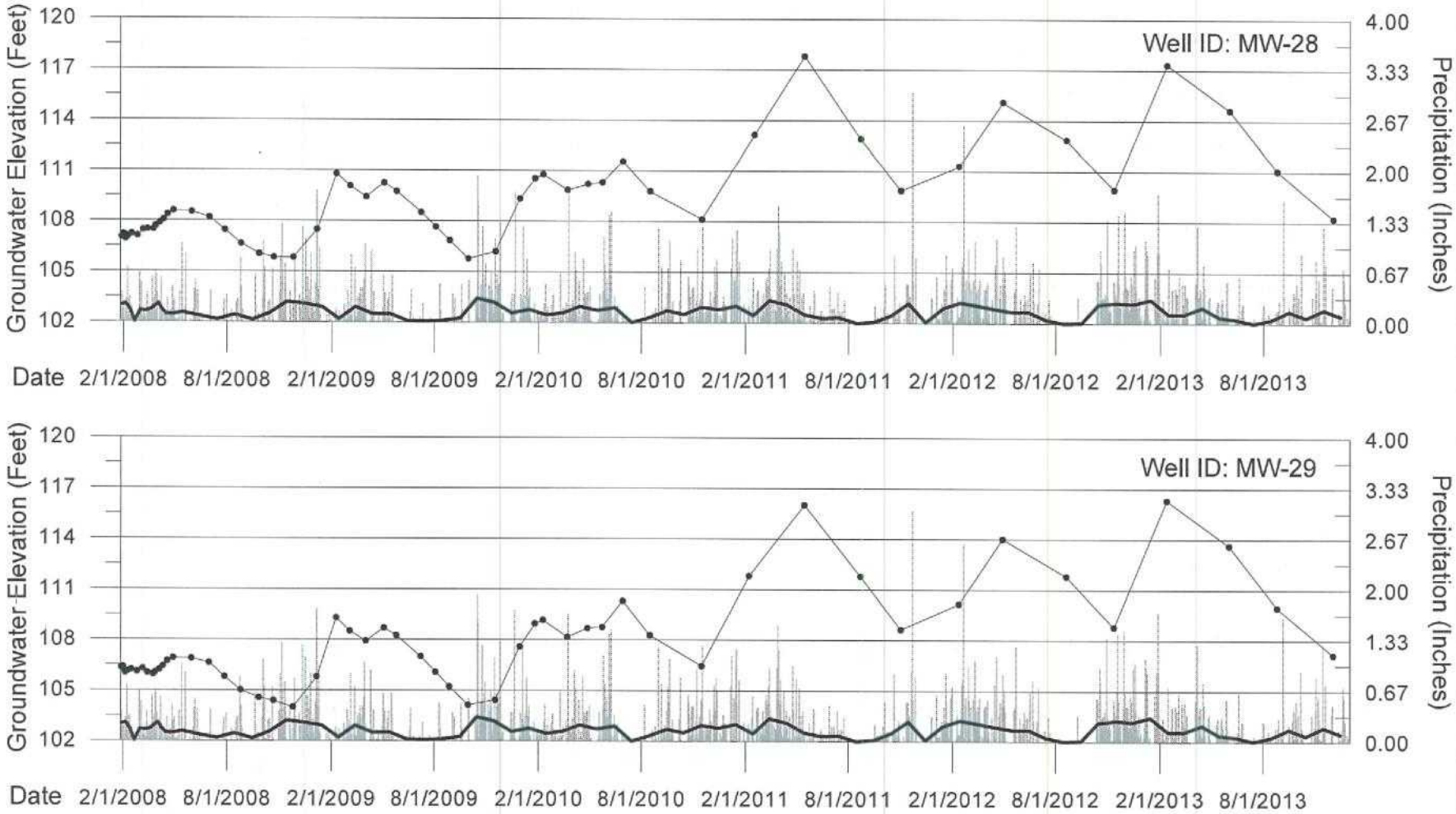

Notes:
1. Vertical datum is N.A.V.D 88.
2. Precipitation data source is the National Climatic Data Center (NCDC) Arlington, WA station (COOP ID: 450257).
3. Precipitation data include rain and/or melted snow.

LEGEND
- Groundwater elevation time series
- Daily precipitation (inches)
- Average precipitation between groundwater measurements (inches/day)

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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
02/13/14	Figure No. 15

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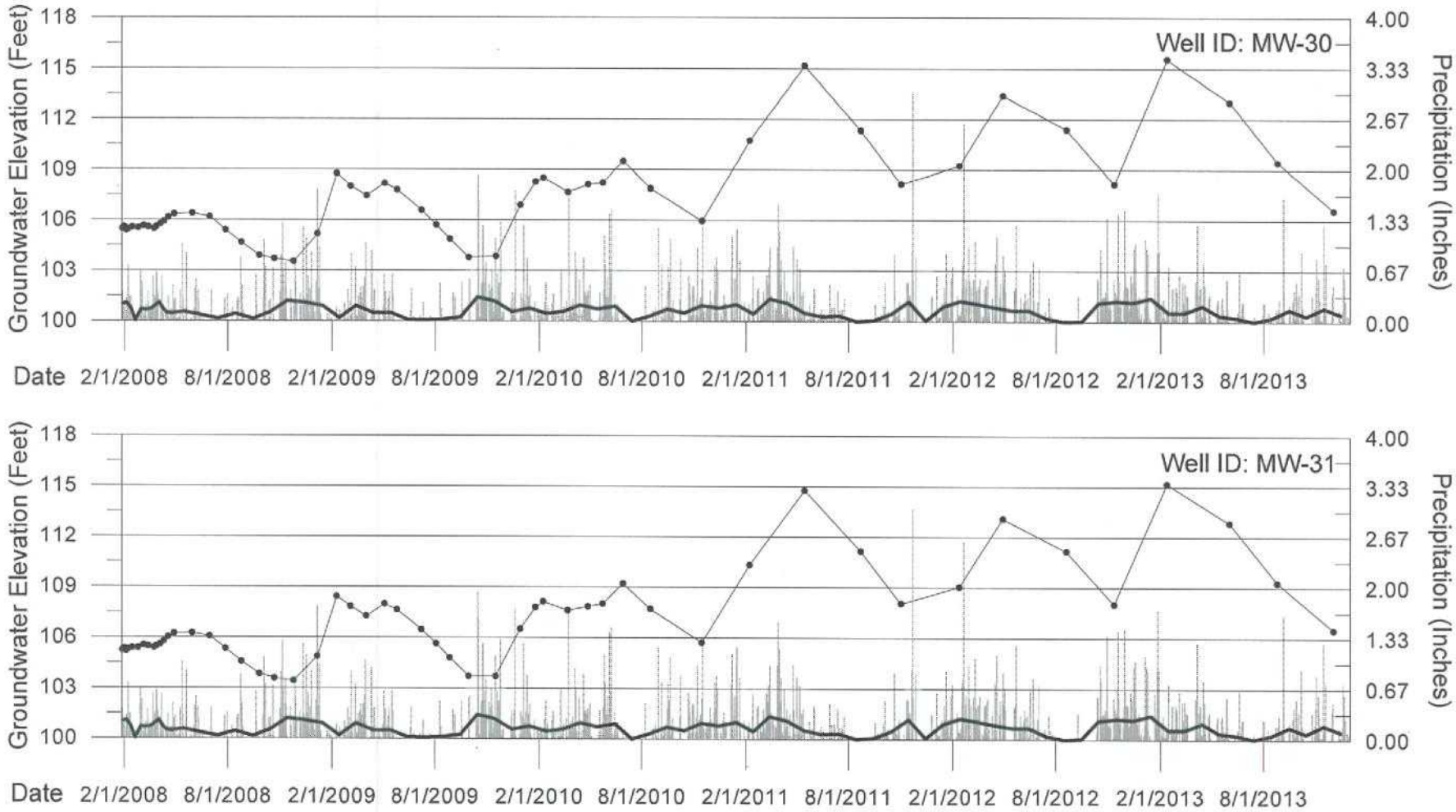

Notes: 1. Vertical datum is N.A.V.D 88.
2. Precipitation data source is the National Climatic Data Center (NCDC) Arlington, WA station (COOP ID: 450257).
3. Precipitation data include rain and/or melted snow.

LEGEND

- Groundwater elevation time series
- Daily precipitation (inches)
- Average precipitation between groundwater measurements (inches/day)

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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
02/13/14	Figure No. 16

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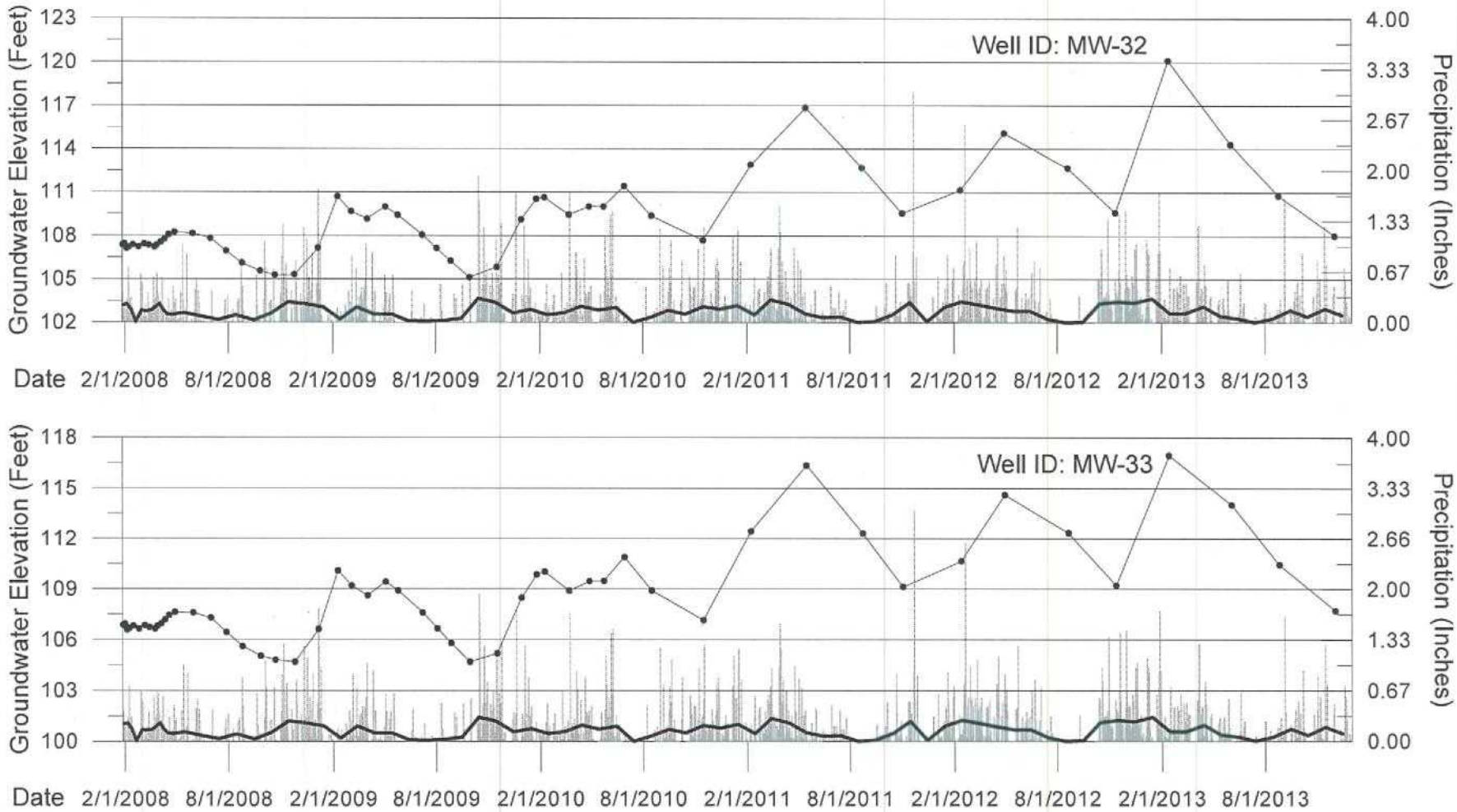

Notes: 1. Vertical datum is N.A.V.D 88.
2. Precipitation data source is the National Climatic Data Center (NCDC) Arlington, WA station (COOP ID: 450257).
3. Precipitation data include rain and/or melted snow.

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
02/13/14	Figure No. 17

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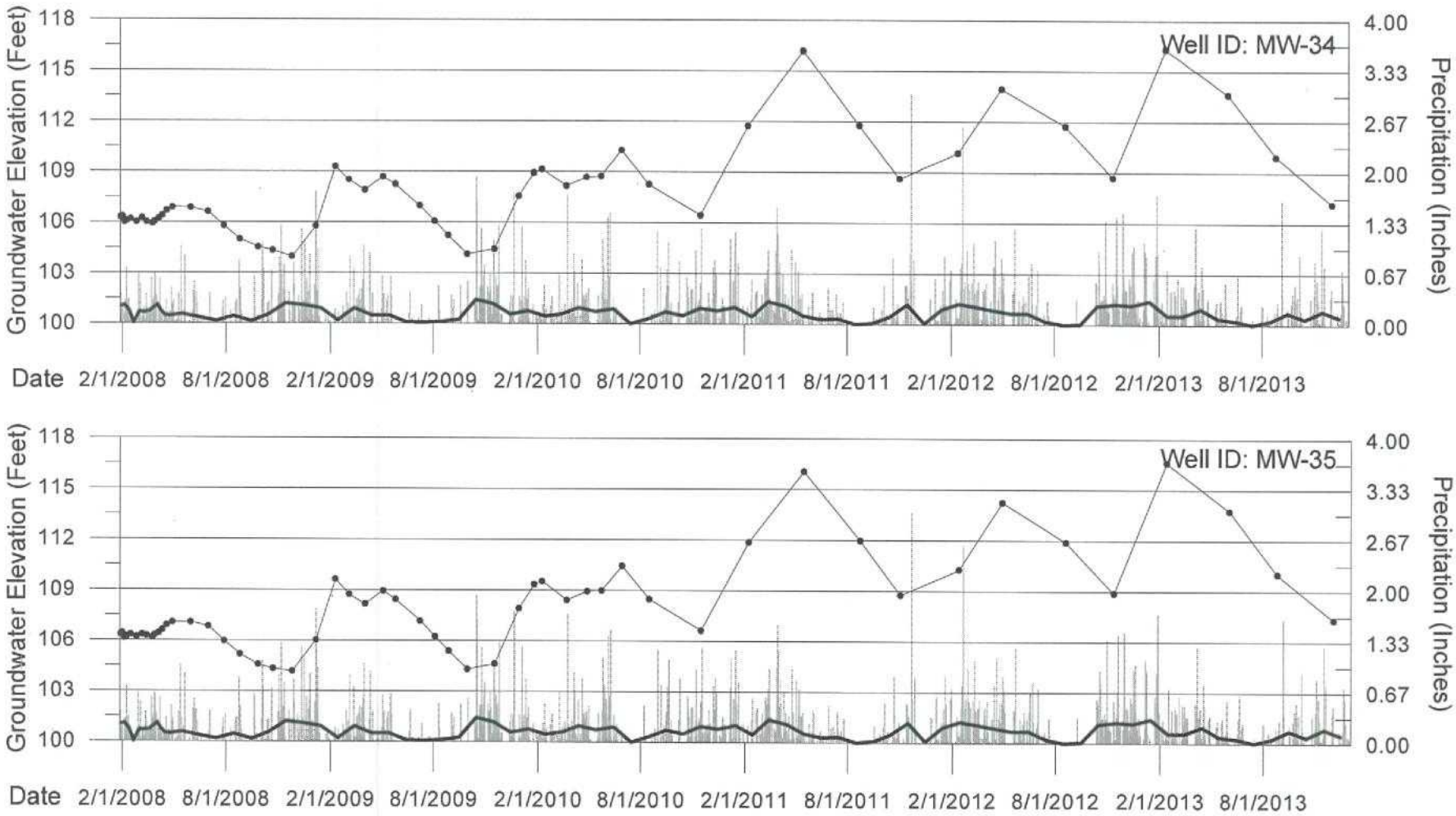

Notes: 1. Vertical datum is N.A.V.D 88.
2. Precipitation data source is the National Climatic Data Center (NCDC) Arlington, WA station (COOP ID: 450257).
3. Precipitation data include rain and/or melted snow.

LEGEND
- Groundwater elevation time series
- Daily precipitation (inches)
- Average precipitation between groundwater measurements (inches/day)

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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
02/13/14	Figure No. 18

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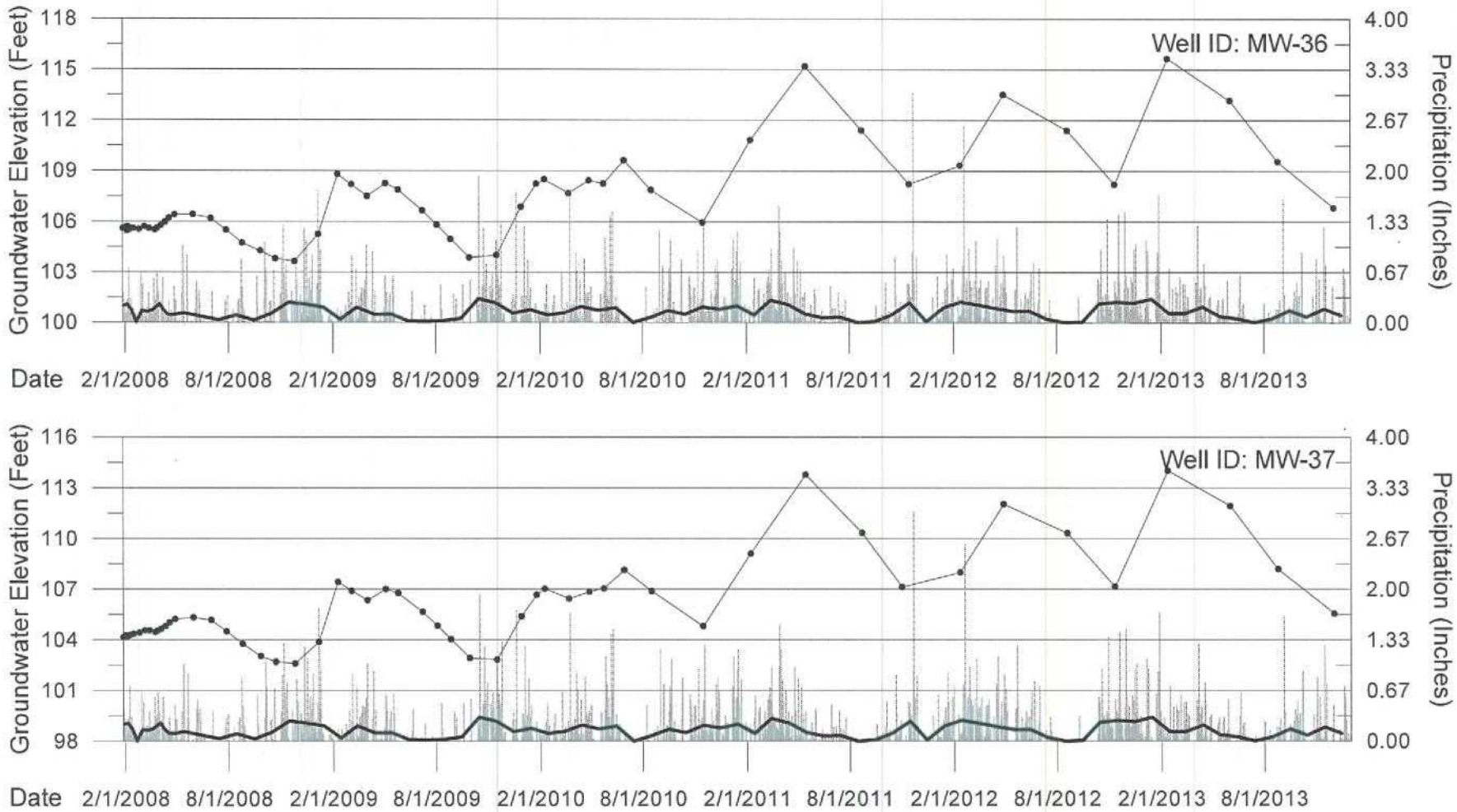

Notes: 1. Vertical datum is N.A.V.D 88.
2. Precipitation data source is the National Climatic Data Center (NCDC) Arlington, WA station (COOP ID: 450257).
3. Precipitation data include rain and/or melted snow.

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-36 AND MW-37
Former J.H. Baxter and Co. Wood Treating Facility
Arlington, Washington

Prepared By: LCD	Project No. 12706
02/13/14	Figure No. 19

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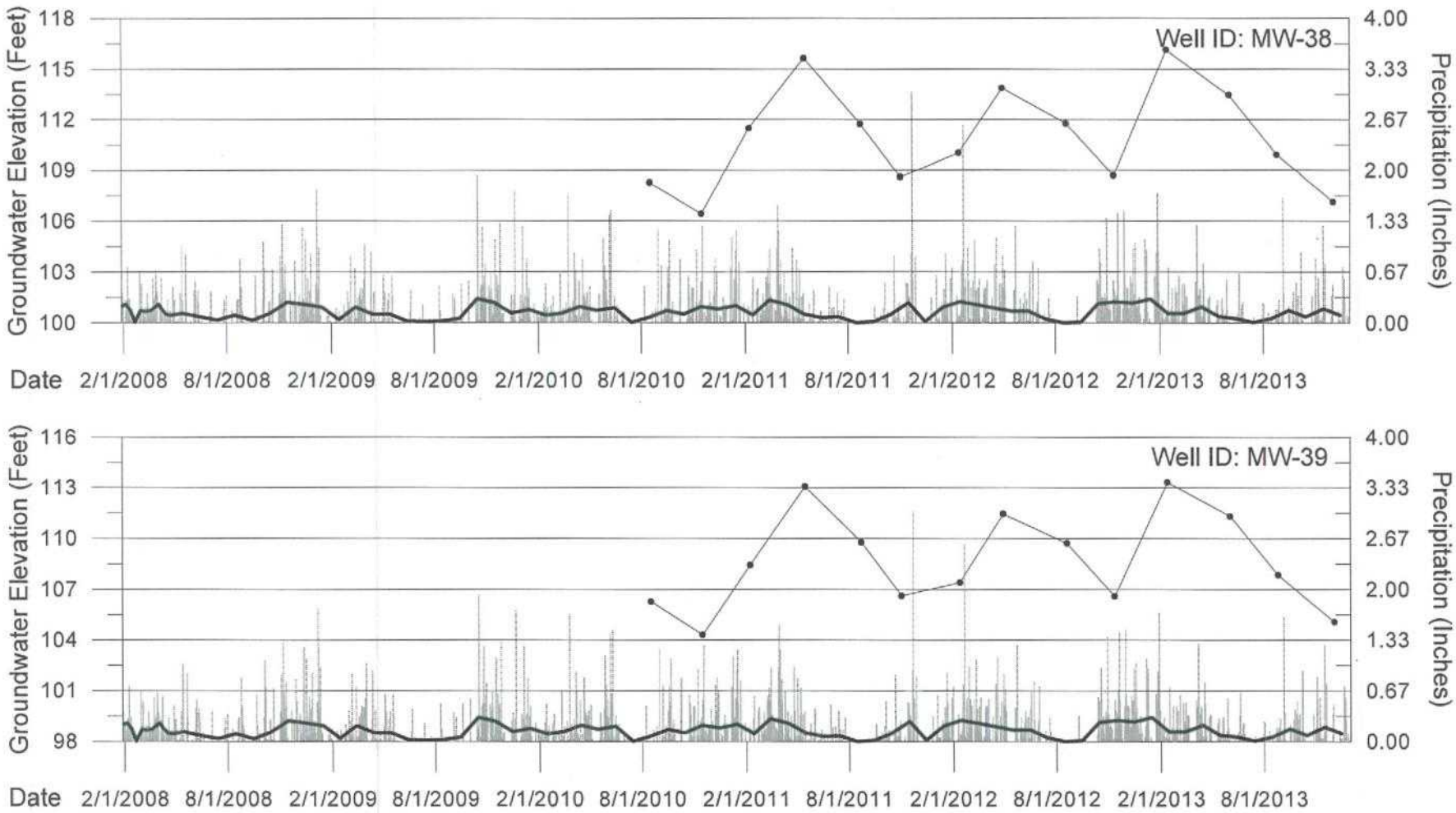

Notes: 1. Vertical datum is N.A.V.D 88.
2. Precipitation data source is the National Climatic Data Center (NCDC) Arlington, WA station (COOP ID: 450257).
3. Precipitation data include rain and/or melted snow.

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-38 AND MW-39
Former J.H. Baxter and Co. Wood Treating Facility
Arlington, Washington

Prepared By: LCD	Project No. 12706
02/13/14	Figure No. 20

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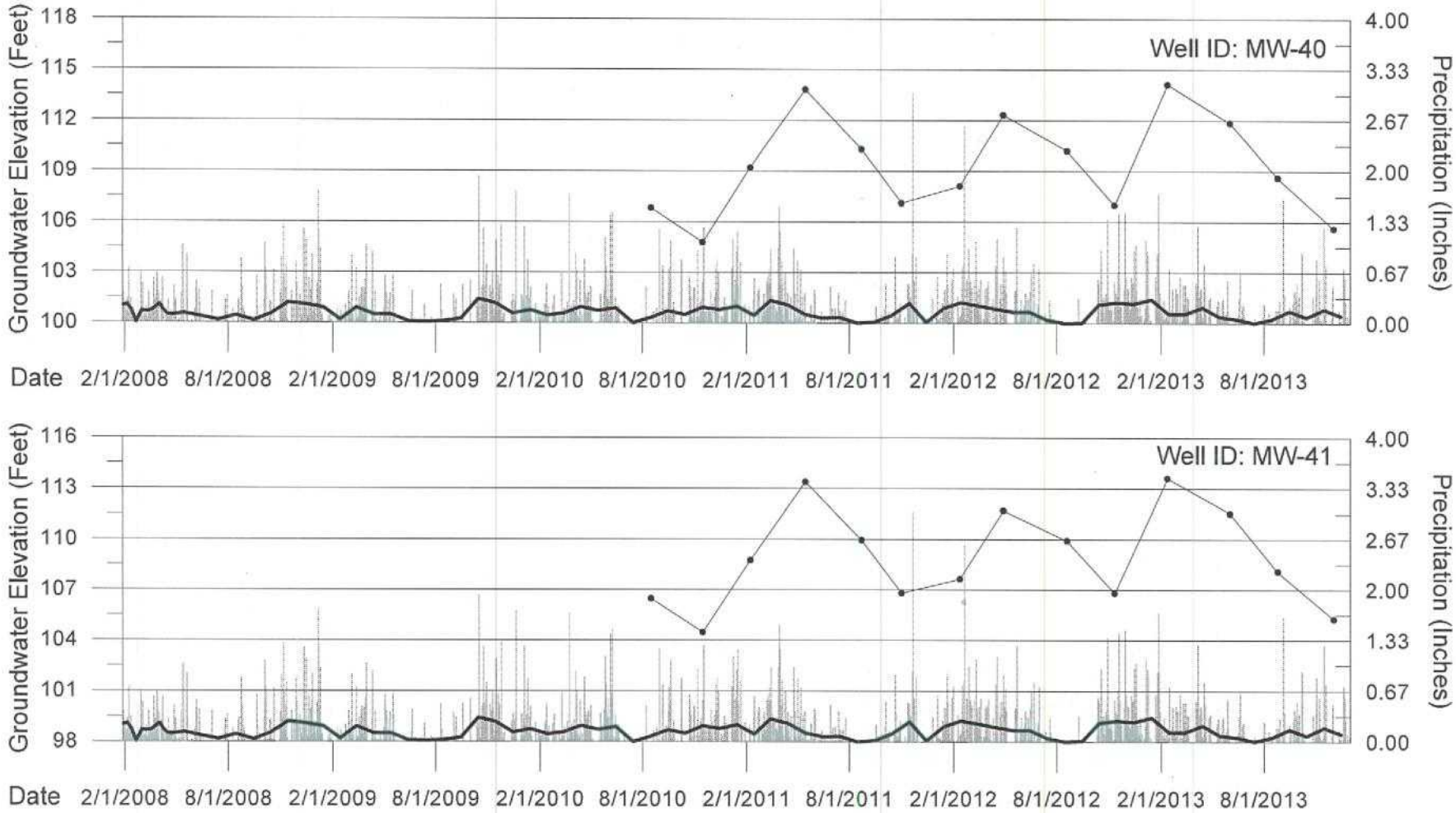

Notes: 1. Vertical datum is N.A.V.D 88.
2. Precipitation data source is the National Climatic Data Center (NCDC) Arlington, WA station (COOP ID: 450257).
3. Precipitation data include rain and/or melted snow.

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
02/13/14	Figure No. 21

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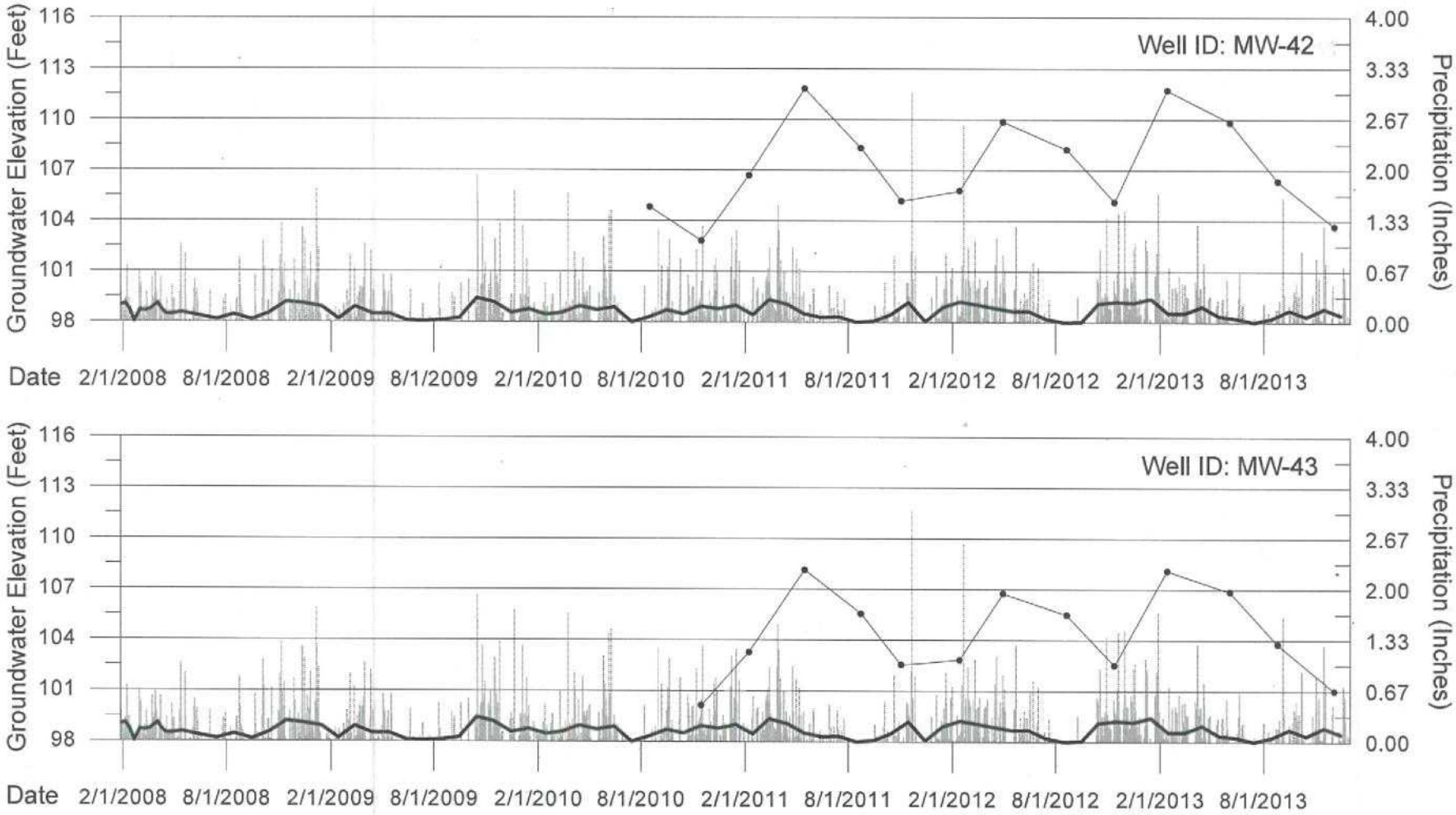


Notes: 1. Vertical datum is N.A.V.D 88.
2. Precipitation data source is the National Climatic Data Center (NCDC) Arlington, WA station (COOP ID: 450257).
3. Precipitation data include rain and/or melted snow.

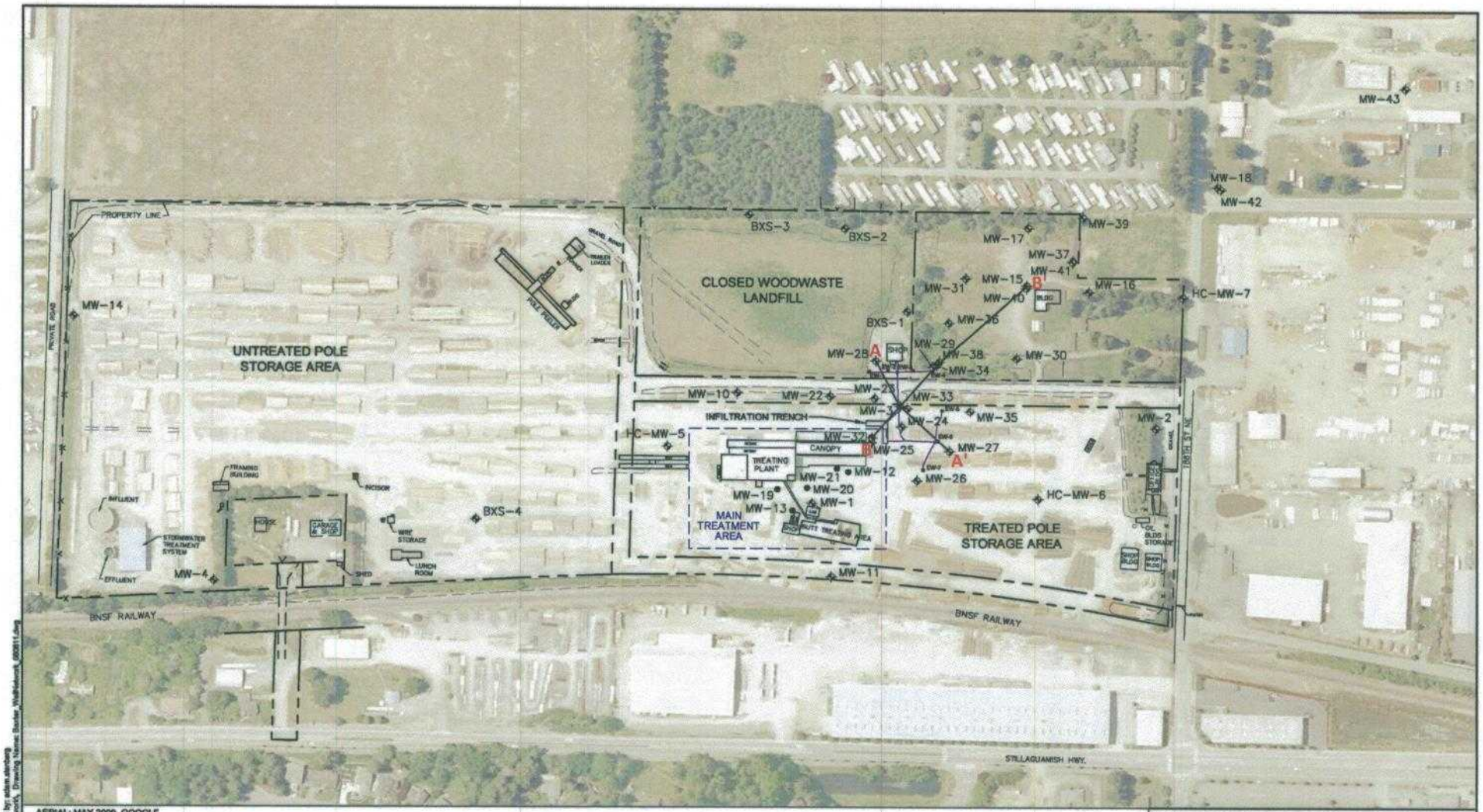
LEGEND

- 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
02/13/14	Figure No. 22



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 23

Plot Date: 08/08/11 - 2:59pm, Plotted by: adam.sterberg
Drawing Path: S:\127060014_WellNetwork\, Drawing Name: Baxter_WellNetwork_060811.dwg