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

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

Arlington, Washington

WOOD PRESERVING

Upholding a 100 Year Tradition of Superior Customer Service

Prepared for:

U.S. Environmental Protection Agency
Region 10
1200 Sixth Avenue
Seattle, Washington 98101

Submitted by:

J.H. Baxter Project Team
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January 2014

Project No. 3-61M-125611

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January 15, 2014

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

Subject: Second 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 Second Quarter 2013 Operations and Monitoring Report. A compact disk containing the electronic files is also included. If you have any questions, please do not hesitate to contact me at (503) 639-3400.

Sincerely,

AMEC Environment & Infrastructure, Inc.

J. Stephen Barnett
Senior Geologist

c: Georgia Baxter, J.H. Baxter & Co.
Jamie Hillery, Stella Jones Corp.
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SECOND 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 Second 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 April 1, 2013 through June 30, 2013.

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

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

1.1 DOCUMENT OVERVIEW

This O&M Report includes the following main components:

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

groundwater (Figures 7 through 33), and polynuclear aromatic hydrocarbons ([PAHs] Figure 34).

- **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 hydrographs.

2.0 OPERATIONS, MAINTENANCE, AND MONITORING

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

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

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

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

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

2.1 OPERATIONS AND MAINTENANCE

The system shut down on February 13th because of recurring high water alarms and was left off for the rest of the first quarter 2013 while infiltration gallery rehabilitation options were considered.

EW-2, 3, and 4 were restarted on April 23, 2013. The pressures at wells EW-2, 3, and 4 at the time of the restart were 55 pounds per square inch (psi), 58 psi, and 90 psi, respectively. Well EW-3 shut down on May 3, 2013 while EW-2 and EW-4 remained on. Throughout the remainder of the month EW-3 continued to shut down when restarted, often within minutes of turning on the well. The cause of the shutdowns is unknown. The last attempted restart and subsequent shutdown of EW-3 occurred on June 5, 2013. EW-2 and EW-4 continue to run and have been on since their restart on April 23, 2013.

2.2 GROUNDWATER LEVEL MEASUREMENTS

The Second Quarter 2013 groundwater monitoring event was conducted from June 2 through June 4, 2013. Depth-to-groundwater measurements indicated a decrease in groundwater elevations for all monitoring wells located at the facility with the exception of MW-25, where the elevation remained constant. Table 1 presents a summary of groundwater elevations from April 2012 through June 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 June 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 June 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 2 (main document). 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 indicates a downward vertical gradient at the MW-25/MW-32 well pair. A silt layer was encountered at a depth of approximately 20 feet bgs while drilling these monitoring wells, which may be the reason for the observed vertical gradient. 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 well pair MW-25/MW-32, the magnitude and direction of vertical gradients at facility well pairs and triplets remained consistent with those observed during the previous quarter (Figure 6; Table 3). The MW-25/MW-32 gradient well pair gradient returned to a normal downward value after a large shift during the first quarter 2013.

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

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

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

2.3 GROUNDWATER MONITORING AND WATER QUALITY

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

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

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

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

According to ALS's sample receipt documentation (see Appendix C), one container of sample from well MW-17 was broken in transit. ALS was unable to perform PCP analysis due to insufficient

sample volume. PCP results for the June 2013 sampling event, as well as sampling conducted since February 2011 are shown on Figure 7 and summarized in Table 4A. PCP isopleth maps for quarterly monitoring events since January 2008 through June 2013 are provided in Figures 8 through 33. The isopleth maps were generated in Surfer™ using an interpolation scheme (kriging) to generate contours based on each well's PCP concentration. Figures 30 through 33 represent PCP isopleths for deeper zones downgradient of the Main Treatment Area for 2011, 2012, and through the second quarter of 2013. Total PAH results are shown on Figure 34 and summarized in Table 4A. Time series plots showing PCP and total PAHs for each well are provided in Appendix A.

In addition to collection of groundwater samples from the monitoring well network, a composite groundwater sample was prepared from discrete samples collected from extraction wells EW-2 and EW-4 during the monitoring event. Extraction wells EW-5 and EW-6 were shut down during the first quarter of 2011 due to a high water level in the infiltration gallery, and groundwater from these wells is, therefore, not included within the composite sample. EW-3 had a recurring problem with immediate shutdowns during the second quarter and was off during sample collection. EW-1 was also off due to recurring high water alarms. The composite sample was prepared by combining an equal volume of groundwater from each extraction well using a measuring cup. The composite samples from the extraction wells were analyzed for PCP and, since March 2009, select PCP degradation products. The analytical results for composite samples collected from May 2012 through June 2013 are shown in Table 4C. During this reporting period, the PCP concentration has fluctuated around 700 micrograms per liter ([µg/L] estimated) from 820 µg/L observed in the previous quarter's composite sample. The concentrations of degradation products 2,4,5-trichlorophenol, 2,4,6-trichlorophenol, and total tetrachlorophenols were below method reporting limits.

2.4 LNAPL Recovery

The sorbent socks in the five recovery wells were inspected on June 3, 2013, and the sock in MW-12 was replaced. A total mass of 1.33 pounds of LNAPL was removed from recovery well MW-12. The amount of LNAPL removed was determined by subtracting the mass of an unused sock from the mass of the spent sock using a laboratory scale. The socks in recovery wells MW-13, MW-19, MW-20, and MW-21 did not require replacement. Since implementation of the pilot study, the socks in these recovery wells have become saturated with LNAPL less frequently than the sock in MW-12.

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

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

2.5 QUALITY ASSURANCE AND QUALITY CONTROL

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

2.6 ACTIVITIES PLANNED FOR 2013

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

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

Sincerely,

AMEC Environment and Infrastructure, Inc.

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 Second 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

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]	4/29/12	8/19/12	11/11/12	2/13/13	6/2/13
BXS-1	427577.0	1320372.8	142.32	--	113.71	111.76	108.65	115.9	113.43
BXS-2	427429.1	1320176.6	141.09	106.63	115.92	114.02	110.89	117.76	115.64
BXS-3	427202.9	1320143.8	141.73	109.82	119.94	117.43	114.07	122.31	119.07
BXS-4	426556.4	1320865.9	143.05	132.10	133.42	130.07	131.32	134.54	131.65
HC-MW-5	427010.1	1320692.3	143.94	120.42	124.32	120.59	118.95	126.79	122.2
HC-MW-6	427887.2	1320815.7	146.69	106.84	115.36	112.42	111.96	118.13	-[9]
HC-MW-7	428230.4	1320337.6	145.01	102.67	110.74	108.81	105.73	112.98	110.43
MW-1	427352.2	1320826.9	146.21	124.33	125.53	122.53	122.64	126.88	123.59
MW-2	428166.9	1320647.4	144.69	103.68	112.1	109.75	106.51	114.65	111.52
MW-3	427560.7	1320596.2	143.92	106.87	114.57	112.28	109.18	116.97	114.18
MW-4	425935.6	1321013.3	143.02	135.54	135.89	132.25	135.15	137.06	133.57
MW-10	427175.1	1320566.0	143.30	114.90	122.73	119.15	115.79	125.18	120.77
MW-11	427398.1	1321001.0	146.46	125.74	126.52	123.44	124.36	127.76	124.44
MW-14	425602.6	1320388.9	139.88	119.98	126.21	121.75	119.20	128.09	123.38
MW-15	427860.0	1320310.6	142.78	104.72	112.64	110.79	107.62	114.69	112.41
MW-16	428006.8	1320325.6	143.37	103.91	111.99	110.16	106.91	114.10	111.76
MW-17	427863.6	1320173.9	142.17	104.47	112.39	110.60	107.45	114.24	112.29
MW-18	428312.7	1320075.7	142.79	102.05	109.95	108.44	105.30	111.82	109.95
MW-22	427395.3	1320573.5	143.13	108.72	116.85	114.73	111.96	118.63	116.49
MW-23	427500.0	1320578.2	143.47	107.50	115.68	113.37	110.53	117.78	115.03
MW-24	427563.9	1320645.1	144.47	107.02	114.78	112.42	109.33	117.03	114.19
MW-25	427492.9	1320682.0	145.45	109.06	118.51	116.27	113.63	117.38	117.62
MW-26	427601.0	1320773.0	145.13	107.48	115.30	112.75	109.55	117.76	114.42
MW-27	427677.9	1320702.8	144.62	107.01	114.86	112.42	109.31	117.31	114.16
MW-28	427502.3	1320488.8	143.02	107.01	115.09	112.86	109.92	117.32	114.62
MW-29	427637.7	1320503.0	142.85	106.33	114.02	111.81	108.79	116.31	113.62
MW-30	427836.7	1320483.2	142.64	105.47	113.4	111.39	108.16	115.55	113.01
MW-31	427715.8	1320294.0	141.15	105.23	113.1	111.16	108.03	115.18	112.85
MW-32	427493.5	1320670.2	145.27	107.36	115.09	112.69	109.58	120.1	114.31
MW-33	427577.4	1320602.0	143.76	106.87	114.61	112.34	109.21	116.95	114.01
MW-34	427647.7	1320498.6	143.02	106.29	113.94	111.75	108.70	116.30	113.60
MW-35	427726.8	1320608.7	144.34	106.36	114.24	111.90	108.89	116.60	113.74
MW-36	427676.1	1320399.4	141.57	105.60	113.5	111.40	108.22	115.65	113.15
MW-37	427969.4	1320251.9	142.37	104.16	112.05	110.35	107.16	114.04	111.95
MW-38[6]	427653.6	1320491.4	143.36	NA	113.87	111.77	108.69	116.13	113.46

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]	4/29/12	8/19/12	11/11/12	2/13/13	6/2/13
MW-39[6]	427993.1	1320148.9	142.73	NA	111.44	109.72	106.6	113.31	111.3
MW-40[6]	427859.5	1320316.6	142.56	NA	112.33	110.22	107	114.13	111.86
MW-41[6]	427968.1	1320255.0	142.33	NA	111.71	109.93	106.81	113.62	111.55
MW-42[6]	428319.7	1320080.9	142.89	NA	109.87	108.23	105.13	111.72	109.84
MW-43[7]	428757.5	1319841.1	141.91	NA	106.76	105.5[8]	102.52	108.11	106.86

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. May 2011 depth to water measurements at BXS-2, BXS-3, MW-18, MW-26, MW-33, MW-42, and MW-43 recorded on 5/16/11.
4. A suspected incorrect depth to water measurement occured at MW-15. Therefore, 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 the difference to the 2nd Quarter 2011 groundwater elevation measured at MW-40.
5. The groundwater elevation indicated for MW-15 was raised by 1 foot from the value recorded in the field due to a suspected error in field recording.
6. Monitoring wells MW-38 through MW-42 were installed in July 2010.
7. Monitoring well MW-43 was installed in October 2010.
8. Groundwater elevation measure on 8/20/12 due to well location in closed maintenance yard.
9. HCMW-6 depth to water was not measured during the 2nd Quarter 2013.

Abbreviations

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

TABLE 2

WATER LEVEL READINGS[1]

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

	BXS-1[2,3] - TOC Elevation: 142.65					BXS-2[3] - TOC Elevation: 142.89					BXS-3 - TOC Elevation: 142.07				
Date	Time	Depth below TOC (ft)	Total Change in Level (ft)	Incremental Change in Level (ft)	Water Level Elevation	Time	Depth below TOC (ft)	Total Change in Level (ft)	Incremental Change in Level (ft)	Water Level Elevation	Time	Depth below TOC (ft)	Total Change in Level (ft)	Incremental Change in Level (ft)	Water Level Elevation
Baseline 1/28/2008	8:41	Below Pump	--	0	**Below Pump**	8:22	36.26	0.00	0.00	**106.63**	8:30	32.25	0.00	0.00	**109.82**
4/29/2012	14:16	28.94	--	3.87	**113.71**	14:18	26.97	9.29	4.25	**115.92**	14:21	22.13	10.12	4.91	**119.94**
8/19/2012	15:18	30.89	--	-1.95	**111.76**	15:20	28.87	7.39	-1.90	**114.02**	15:25	24.64	7.61	-2.51	**117.43**
11/11/2012	15:32	34.00	--	-3.11	**108.65**	15:34	32.00	4.26	-3.13	**110.89**	15:37	28.00	4.25	-3.36	**114.07**
2/13/2013	14:20	26.75	--	7.25	**115.90**	14:22	25.13	11.13	6.87	**117.76**	14:25	19.76	12.49	8.24	**122.31**
6/2/2013	14:48	29.22	--	-2.47	**113.43**	14:51	27.25	9.01	-2.12	**115.64**	14:55	23.00	9.25	-3.24	**119.07**

Notes

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

Abbreviations

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

TABLE 2

WATER LEVEL READINGS[1]

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

	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
Baseline 1/28/2008	11:51	11.32	0.00	0.00	**132.10**	15:15	23.33	0.00	0.00	**120.42**
4/29/2012	15:08	10.00	1.32	1.15	**133.42**	15:26	19.43	3.90	3.10	**124.32**
8/19/2012	14:47	13.35	-2.03	-3.35	**130.07**	14:44	23.16	0.17	-3.73	**120.59**
11/11/2012	15:15	12.10	-0.78	1.25	**131.32**	15:02	24.80	-1.47	-1.64	**118.95**
2/13/2013	13:53	8.88	2.44	3.22	**134.54**	14:08	16.96	6.37	7.84	**126.79**
6/2/2013	13:55	11.77	-0.45	-2.89	**131.65**	13:53	21.55	1.78	-4.59	**122.20**

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				
Date	Time	Depth below TOC (ft)	Total Change in Level (ft)	Incremental Change in Level (ft)	Water Level Elevation	Time	Depth below TOC (ft)	Total Change in Level (ft)	Incremental Change in Level (ft)	Water Level Elevation	Time	Depth below TOC (ft)	Total Change in Level (ft)	Incremental Change in Level (ft)	Water Level Elevation
Baseline 1/28/2008	11:05	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**
4/29/2012	15:19	31.00	8.52	4.51	**115.36**	13:37	33.99	8.07	4.20	**110.74**	15:23	21.91	1.20	0.94	**125.53**
8/19/2012	14:18	33.94	5.58	-2.94	**112.42**	13:17	35.92	6.14	-1.93	**108.81**	14:40	24.91	-1.80	-3.00	**122.53**
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**
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**
6/2/2013	-	-	-	-	**-**	13:10	34.3	7.76	-2.55	**110.43**	13:50	23.85	-0.74	-3.29	**123.59**

Notes

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

Abbreviations

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

TABLE 2

WATER LEVEL READINGS[1]

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

	MW-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
Baseline 1/28/2008	14:23	42.28	0.00	0.00	**103.68**	10:22	39.26	0.00	0.00	**106.87**
4/29/2012	14:04	33.86	8.42	4.41	**112.10**	14:52	31.56	7.70	3.89	**114.57**
8/19/2012	14:36	36.21	6.07	-2.35	**109.75**	13:47	33.85	5.41	-2.29	**112.28**
11/11/2012	13:42	39.45	2.83	-3.24	**106.51**	13:51	36.95	2.31	-3.10	**109.18**
2/13/2013	13:30	31.31	10.97	8.14	**114.65**	13:05	29.16	10.10	7.79	**116.97**
6/2/2013	15:03	34.44	7.84	-3.13	**111.52**	14:17	31.95	7.31	-2.79	**114.18**

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				
Date	Time	Depth below TOC (ft)	Total Change in Level (ft)	Incremental Change in Level (ft)	Water Level Elevation	Time	Depth below TOC (ft)	Total Change in Level (ft)	Incremental Change in Level (ft)	Water Level Elevation	Time	Depth below TOC (ft)	Total Change in Level (ft)	Incremental Change in Level (ft)	Water Level Elevation
Baseline 1/28/2008	11:37	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**
4/29/2012	15:05	9.13	0.35	-0.35	**135.89**	15:30	22.26	7.83	4.64	**122.73**	15:15	19.54	0.78	0.70	**126.52**
8/19/2012	14:50	12.77	-3.29	-3.64	**132.25**	14:58	25.84	4.25	-3.58	**119.15**	15:05	22.62	-2.30	-3.08	**123.44**
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**
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**
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**

Notes

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

Abbreviations

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ft = feet
TOC = top of casing

TABLE 2

WATER LEVEL READINGS[1]

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

	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
Baseline 1/28/2008	11:45	21.72	0.00	0.00	**119.98**	13:47	37.50	0.00	0.00	**104.72**
4/29/2012	15:01	15.49	6.23	3.38	**126.21**	13:44	29.58	7.92	4.07	**112.64**
8/19/2012	14:54	19.95	1.77	-4.46	**121.75**	13:21	31.43	6.07	-1.85	**110.79**
11/11/2012	15:11	22.50	-0.78	-2.55	**119.20**	13:05	34.60	2.90	-3.17	**107.62**
2/13/2013	14:05	13.61	8.11	8.89	**128.09**	12:44	27.53	9.97	7.07	**114.69**
6/2/2013	14:04	18.32	3.40	-4.71	**123.38**	13:14	29.81	7.69	-2.28	**112.41**

TABLE 2

WATER LEVEL READINGS[1]

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

	MW-16 - TOC Elevation: 142.91					MW-17 - TOC Elevation: 144.85					MW-18 - TOC Elevation: 142.45				
Date	Time	Depth below TOC (ft)	Total Change in Level (ft)	Incremental Change in Level (ft)	Water Level Elavation	Time	Depth below TOC (ft)	Total Change in Level (ft)	Incremental Change in Level (ft)	Water Level Elevation	Time	Depth below TOC (ft)	Total Change in Level (ft)	Incremental Change in Level (ft)	Water Level Elevation
Baseline 1/28/2008	13:57	39.00	0.00	0.00	**103.91**	13:52	40.38	0.00	0.00	**104.47**	14:14	40.40	0.00	0.00	**102.05**
4/29/2012	13:34	30.92	8.08	4.19	**111.99**	13:41	32.46	7.92	4.09	**112.39**	14:10	32.5	7.90	4.03	**109.95**
8/19/2012	13:14	32.75	6.25	-1.83	**110.16**	13:26	34.25	6.13	-1.79	**110.60**	14:30	34.01	6.39	-1.51	**108.44**
11/11/2012	12:58	36	3.00	-3.25	**106.91**	13:35	37.40	2.98	-3.15	**107.45**	8:21	37.15	3.25	-3.14	**105.30**
2/13/2013	12:35	28.81	10.19	7.19	**114.10**	12:41	30.61	9.77	6.79	**114.24**	N/A	30.63	9.77	6.52	**111.82**
6/2/2013	13:06	31.15	7.85	-2.34	**111.76**	15:07	32.56	7.82	-1.95	**112.29**	7:28	32.5	7.90	-1.87	**109.95**

Notes

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

Abbreviations

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

TABLE 2

WATER LEVEL READINGS[1]

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

	MW-22 - TOC Elevation: 142.75					MW-23 - TOC Elevation: 143.18				
Date	Time	Depth (ft) below TOC	Total Change in Level (ft)	Incremental Change in Level	Water Level Elavation	Time	Depth below TOC (ft)	Total Change in Level (ft)	Incremental Change in Level (ft)	Water Level Elevation
Baseline 1/28/2008	10:10	34.03	0.00	0.00	**108.72**	10:02	35.68[6]	0.00	0.00	**107.50**
4/29/2012	14:29	25.90	8.13	3.64	**116.85**	14:26	27.50	8.18	3.61	**115.68**
8/19/2012	13:45	28.02	6.01	-2.12	**114.73**	13:43	29.81	5.88	-2.31	**113.37**
11/11/2012	13:27	30.79	3.24	-2.77	**111.96**	13:25	32.65	3.03	-2.84	**110.53**
2/13/2013	14:16	24.12	9.91	6.67	**118.63**	13:03	25.40	10.28	7.25	**117.78**
6/2/2013	13:46	26.26	7.77	-2.14	**116.49**	13:43	28.15	7.53	-2.75	**115.03**

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				
Date	Time	Depth below TOC (ft)	Total Change in Level (ft)	Incremental Change in Level (ft)	Water Level Elevation	Time	Depth below TOC (ft)	Total Change in Level (ft)	Incremental Change in Level (ft)	Water Level Elevation	Time	Depth below TOC (ft)	Total Change in Level (ft)	Incremental Change in Level (ft)	Water Level Elevation
Baseline 1/28/2008	10:25	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**
4/29/2012	14:56	29.35	7.76	3.91	**114.78**	14:35	26.47	9.45	3.53	**118.51**	14:41	29.45	7.82	4.10	**115.30**
8/19/2012	14:21	31.71	5.40	-2.36	**112.42**	14:09	28.71	7.21	-2.24	**116.27**	14:04	32	5.27	-2.55	**112.75**
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	35.2	2.07	-3.20	**109.55**
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**
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**

Notes

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

Abbreviations

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

TABLE 2

WATER LEVEL READINGS[1]

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

	MW-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
Baseline 1/28/2008	10:41	37.30	0.00	0.00	**107.01**	9:47	35.76	0.00	0.00	**107.01**
4/29/2012	14:44	29.45	7.85	4.06	**114.86**	14:14	27.68	8.08	3.78	**115.09**
8/19/2012	13:58	31.89	5.41	-2.44	**112.42**	15:15	29.91	5.85	-2.23	**112.86**
11/11/2012	13:44	35.00	2.30	-3.11	**109.31**	15:30	32.85	2.91	-2.94	**109.92**
2/13/2013	13:13	27.00	10.30	8.00	**117.31**	14:18	25.45	10.31	7.40	**117.32**
6/2/2013	14:29	30.15	7.15	-3.15	**114.16**	14:45	28.15	7.61	-2.70	**114.62**

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				
Date	Time	Depth below TOC (ft)	Total Change in Level (ft)	Incremental Change in Level (ft)	Water Level Elevation	Time	Depth below TOC (ft)	Total Change in Level (ft)	Incremental Change in Level (ft)	Water Level Elevation	Time	Depth below TOC (ft)	Total Change in Level (ft)	Incremental Change in Level (ft)	Water Level Elevation
Baseline 1/28/2008	14:46	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**
4/29/2012	14:00	28.59	7.69	3.84	**114.02**	13:52	29.00	7.93	4.14	**113.40**	13:49	27.85	7.87	4.05	**113.10**
8/19/2012	13:40	30.80	5.48	-2.21	**111.81**	13:31	31.01	5.92	-2.01	**111.39**	13:29	29.79	5.93	-1.94	**111.16**
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**
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**
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**

Notes

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

Abbreviations

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

TABLE 2

WATER LEVEL READINGS[1]

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

	MW-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
Baseline 1/28/2008	10:32	37.65	0.00	0.00	**107.36**	10:17	36.59	0.00	0.00	**106.87**
4/29/2012	14:32	29.92	7.73	3.93	**115.09**	14:50	28.85	7.74	3.94	**114.61**
8/19/2012	14:12	32.32	5.33	-2.40	**112.69**	13:50	31.12	5.47	-2.27	**112.34**
11/11/2012	13:29	35.43	2.22	-3.11	**109.58**	13:49	34.25	2.34	-3.13	**109.21**
2/13/2013	13:18	24.91	12.74	10.52	**120.10**	13:06	26.51	10.08	7.74	**116.95**
6/2/2013	13:39	30.70	6.95	-5.79	**114.31**	14:40	29.45	7.14	-2.94	**114.01**

TABLE 2

WATER LEVEL READINGS[1]

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

	MW-34 - TOC Elevation: 142.60					MW-35 - TOC Elevation: 143.89					MW-36 - TOC Elevation: 141.15				
Date	Time	Depth below TOC (ft)	Total Change in Level (ft)	Incremental Change in Level (ft)	Water Level Elevation	Time	Depth below TOC (ft)	Total Change in Level (ft)	Incremental Change in Level (ft)	Water Level Elevation	Time	Depth below TOC (ft)	Total Change in Level (ft)	Incremental Change in Level (ft)	Water Level Elevation
Baseline 1/28/2008	14:51	36.31	0.00	0.00	**106.29**	11:12	37.53	0.00	0.00	**106.36**	13:41	35.55	0.00	0.00	**105.60**
4/29/2012	13:57	28.66	7.65	3.80	**113.94**	14:47	29.65	7.88	3.97	**114.24**	13:00	27.65	7.90	4.16	**113.50**
8/19/2012	13:38	30.85	5.46	-2.19	**111.75**	13:55	31.99	5.54	-2.34	**111.90**	12:45	29.75	5.80	-2.10	**111.40**
11/11/2012	13:18	33.90	2.41	-3.05	**108.70**	13:46	35.00	2.53	-3.01	**108.89**	12:33	32.93	2.62	-3.18	**108.22**
2/13/2013	12:58	26.30	10.01	7.60	**116.30**	13:08	27.29	10.24	7.71	**116.60**	12:00	25.50	10.05	7.43	**115.65**
6/2/2013	13:30	29.00	7.31	-2.70	**113.60**	14:25	30.15	7.38	-2.86	**113.74**	12:45	28.00	7.55	-2.50	**113.15**

Notes

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

Abbreviations

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

TABLE 2

WATER LEVEL READINGS[1]

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

	MW-37 - TOC Elevation: 141.96					MW-38[4] - TOC Elevation: 143.28				
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
Baseline 1/28/2008	14:05	37.80[6]	0.00	0.00	**104.16**	--	--	--	--	--
4/29/2012	13:27	29.91	7.89	4.04	**112.05**	13:55	29.41	--	3.84	**113.87**
8/19/2012	12:58	31.61	6.20	-1.70	**110.35**	13:35	31.51	--	-2.10	**111.77**
11/11/2012	12:51	34.8	3.00	-3.19	**107.16**	13:16	34.59	--	-3.08	**108.69**
2/13/2013	12:30	27.92	9.88	6.88	**114.04**	12:55	27.15	--	7.44	**116.13**
6/2/2013	13:00	30.01	7.79	-2.09	**111.95**	13:27	29.82	--	-2.67	**113.46**

TABLE 2

WATER LEVEL READINGS[1]

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

	MW-39[4] - TOC Elevation: 142.85					MW-40[4] - TOC Elevation: 142.10					MW-41[4] - TOC Elevation: 142.21				
Date	Time	Depth below TOC (ft)	Total Change in Level (ft)	Incremental Change in Level (ft)	Water Level Elevation	Time	Depth below TOC (ft)	Total Change in Level (ft)	Incremental Change in Level (ft)	Water Level Elevation	Time	Depth below TOC (ft)	Total Change in Level (ft)	Incremental Change in Level (ft)	Water Level Elevation
Baseline 1/28/2008	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
4/29/2012	13:30	31.41	--	4.03	**111.44**	13:46	29.77	--	4.20	**112.33**	13:14	30.50	--	4.06	**111.71**
8/19/2012	13:02	33.13	--	-1.72	**109.72**	13:24	31.88	--	-2.11	**110.22**	12:40	32.28	--	-1.78	**109.93**
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**
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**
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**

Notes

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

Abbreviations

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

TABLE 2

WATER LEVEL READINGS[1]

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

	MW-42[4] - TOC Elevation: 142.68					MW-43[5] - TOC Elevation: 141.51				
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
Baseline 1/28/2008	--	--	--	--	--	--	--	--	--	--
4/29/2012	14:06	32.81	--	4.09	**109.87**	14:06	34.75	--	3.93	**106.76**
8/19/2012	14:29	34.45	--	-1.64	**108.23**	8:53	36.01[7]	--	-1.27	**105.49**
11/11/2012	8:00	37.55	--	-3.10	**105.13**	7:45	38.99	--	-2.98	**102.52**
2/13/2013	7:40	30.96	--	6.59	**111.72**	8:30	33.4	--	5.59	**108.11**
6/2/2013	7:27	32.84	--	-1.88	**109.84**	8:28	34.65	--	-1.25	**106.86**

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	4/29/2012	8/19/2012	11/11/2012	2/13/2013	6/2/2013
Shallow / Intermediate	MW-25/MW-32	0.23	0.24	0.28	-0.19	0.225
	MW-3/MW-33	-0.0025	-0.0038	-0.0019	0.0013	0.011
	MW-29/MW-34	0.005	0.004	0.006	0.001	0.001
Shallow / Deep	MW-29/MW-38	0.0044	0.0012	0.0029	0.0052	0.005
	MW-15/MW-40	0.008	0.015	0.016	0.015	0.015
Intermediate / Deep	MW-37/MW-41	0.014	0.017	0.014	0.017	0.016

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.
3. The vertical groundwater gradient calculated for MW-15/MW-40 used a groundwater elevation value at MW-15 that was raised 1 ft from the value recorded in the field due to a suspected error in field recording.

TABLE 4A
Summary of Groundwater Sampling Analytical Results - 2007 through Second 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
2007_SI	BXS-2	BXS-2	2/1/07	0.13 U	0.0092 J	0.0031 U	0.0023 U	0.0039 U	0.0039 U	0.0043 U	0.0046 U	0.0041 U	0.0051 U	0.0053 U	0.0036 U	0.0047 U	0.0036 U	0.0033 U	0.02 U	0.0032 U	0.0047 U	0.0092
2007_SI	BXS-2	BXS-2	4/18/07	0.13 U	0.02 U	0.0093 J	0.0023 U	0.0039 U	0.0039 U	0.0043 U	0.0046 U	0.0041 U	0.0051 U	0.0053 U	0.0036 U	0.0047 U	0.0045 J	0.0033 U	0.02 U	0.0032 U	0.0047 U	0.0138
2007_SI	BXS-2	BXS-2	7/17/07	0.13 U	0.007 J	0.0044 U	0.0034 U	0.0036 U	0.0026 U	0.0043 U	0.0023 U	0.0029 U	0.0025 U	0.0034 U	0.0025 U	0.0044 U	0.0038 U	0.0026 U	0.019 U	0.005 U	0.0035 U	0.007
2007_SI	BXS-2	BXS-2	10/9/07	0.08 U	0.01 J	0.0044 U	0.0034 U	0.0036 U	0.0026 U	0.0043 U	0.0023 U	0.0029 U	0.0025 U	0.0034 U	0.0025 U	0.0044 U	0.0038 U	0.0026 U	0.0098 J	0.005 U	0.0035 U	0.0198
2008_01LF	BXS-2	BXS-2	1/9/08	0.08 U	0.019 U	0.0044 U	0.0034 U	0.0036 U	0.0026 U	0.0043 U	0.0023 U	0.0029 U	0.0025 U	0.0034 U	0.0025 U	0.0044 U	0.0038 U	0.0026 U	0.005 J	0.005 U	0.0035 U	0.005
2008_SI	BXS-2	BXS-2	4/30/08	0.08 U	0.0023 U	0.0044 U	0.0034 U	0.0036 U	0.0026 U	0.0043 U	0.0023 U	0.0029 U	0.0025 U	0.0034 U	0.0025 U	0.0044 U	0.0038 U	0.0026 U	0.02 U	0.005 U	0.0035 U	ND
2008_SI	BXS-2	BXS-2	7/30/08	0.08 U	0.02 U	0.0044 U	0.0034 U	0.0036 U	0.0026 U	0.0043 U	0.0023 U	0.0029 U	0.0025 U	0.0034 U	0.0025 U	0.0044 U	0.0038 U	0.0026 U	0.02 U	0.005 U	0.0035 U	ND
2008_SI	BXS-2	BXS-2	10/22/08	0.08 U	0.0095 J	0.0044 U	0.0034 U	0.0036 U	0.012 J	0.0084 J	0.011 J	0.02 U	0.011 J	0.011 J	0.0085 J	0.0044 U	0.0038 U	0.02 U	0.02 U	0.005 U	0.0035 U	0.0714
2009_SI	BXS-2	BXS-2	2/10/09	0.16 U	0.02 U	0.0044 U	0.0034 U	0.0036 U	0.0026 U	0.0043 U	0.0023 U	0.0029 U	0.0025 U	0.0034 U	0.0025 U	0.0044 U	0.0038 U	0.0026 U	0.02 U	0.005 U	0.0035 U	ND
2009_SI	BXS-2	BXS-2	5/6/09	0.16 U	0.0023 U	0.0044 U	0.0034 U	0.0036 U	0.0042 J	0.0043 U	0.0023 U	0.0029 U	0.0025 U	0.0034 U	0.0025 U	0.0044 U	0.0038 U	0.0026 U	0.024 U	0.005 U	0.0035 U	0.0042
2009_SI	BXS-2	BXS-2	8/5/09	0.16 U	0.0023 U	0.0044 U	0.0034 U	0.0036 U	0.0026 U	0.0043 U	0.0023 U	0.0029 U	0.0025 U	0.0034 U	0.0025 U	0.0044 U	0.0038 U	0.0026 U	0.037 U	0.005 U	0.0035 U	ND
2009_SI	BXS-2	BXS-2	11/18/09	0.16 U	0.02 U	0.0044 U	0.0034 U	0.0036 U	0.0026 U	0.0043 U	0.0023 U	0.0029 U	0.0025 U	0.0034 U	0.0025 U	0.0044 U	0.0038 U	0.0026 U	0.089 U	0.005 U	0.0035 U	ND
2010_02SIPMP	BXS-2	BXS-2	2/10/10	0.16 U	0.02 U	0.0044 U	0.0034 U	0.0036 U	0.0026 U	0.0043 U	0.0023 U	0.0029 U	0.0025 U	0.0034 U	0.0025 U	0.0044 U	0.0038 U	0.0026 U	0.044	0.005 U	0.013 J	0.057
2010_05SIPMP	BXS-2	BXS-2	5/26/10	0.07 U	0.02 U	0.0097 J	0.0072 J	0.0075 J	0.0026 U	0.0043 U	0.0023 U	0.0029 U	0.0025 U	0.0034 U	0.0025 U	0.0091 J	0.015 J	0.0026 U	0.022 U	0.034	0.0047 J	0.0872
2010_08SIPMP	BXS-2	BXS-2	8/18/10	0.07 U	0.0023 U	0.0044 U	0.0046 J	0.0036 U	0.0026 U	0.0043 U	0.0023 U	0.0029 U	0.0025 U	0.0034 U	0.0025 U	0.0044 U	0.0038 U	0.0026 U	0.051	0.005 U	0.0074 J	0.063
2010_11SIPMP	BXS-2	BXS-2	11/18/10	0.07 U	0.0025 J	0.0044 U	0.0034 U	0.0036 U	0.0026 U	0.0043 U	0.0023 U	0.0029 U	0.0025 U	0.0034 U	0.0025 U	0.0044 U	0.0038 U	0.0026 U	0.026 U	0.005 U	0.0035 U	0.0025
2011_02SIPMP	BXS-2	BXS-2	2/9/11	0.07 U	0.02 U	0.0044 U	0.0034 U	0.0036 U	0.0026 U	0.0043 U	0.0023 U	0.0029 U	0.0025 U	0.0034 U	0.0025 U	0.0044 U	0.0038 U	0.0026 U	0.02 U	0.005 U	0.0035 U	ND
2011_05SIPMP	BXS-2	BXS-2	5/17/11	0.07 U	0.02 U	0.0044 U	0.0034 U	0.0057 J	0.02 U	0.0043 U	0.02 U	0.0029 U	0.0025 U	0.0034 U	0.0025 U	0.0044 U	0.0038 U	0.0026 U	0.03 U	0.005 U	0.0035 U	0.0057
2011_08SIPMP	BXS-2	BXS-2	8/24/11	0.07 U	0.0038 J	0.0044 U	0.0034 U	0.0036 U	0.0026 U	0.0043 U	0.0023 U	0.0029 U	0.0025 U	0.0034 U	0.0025 U	0.0044 U	0.0054 J	0.0026 U	0.011 J	0.005 U	0.0035 U	0.0202
2011_11SIPMP	BXS-2	BXS-2	11/3/11	0.07 U	0.02 U	0.0044 U	0.0034 U	0.0036 U	0.0026 U	0.0043 U	0.0023 U	0.0029 U	0.0025 U	0.0034 U	0.0025 U	0.0044 U	0.005 J	0.0026 U	0.037	0.005 U	0.0035 U	0.042
2012_02SIPMP	BXS-2	BXS-2	2/14/12	87 U	0.006 J	0.02 Ui	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.006 J	0.02 U	0.037	0.02 U	0.02 U	0.049
2012_05SIPMP	BXS-2	BXS-2	5/2/12	0.50 U	0.0086 J	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.13	0.019 U	0.019 U	0.1386
2012_08SIPMP	BXS-2	BXS-2	8/21/12	0.50 U	0.0039 J	0.021 U	0.021 U	0.0066 J	0.021 U	0.021 U	0.021 U	0.021 U	0.021 U	0.021 U	0.021 U	0.021 U	0.0066 J	0.021 U	0.075	0.021 U	0.021 U	0.0921
2012_11SIPMP	BXS-2	BXS-2	11/13/12	0.50 U	0.022 U	0.019 U	0.019 U	0.0041 J	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.0088 J	0.019 U	0.035 U	0.013 U	0.019 U	0.0129
2013_02SIPMP	BXS-2	BXS-2	2/12/13	0.5 U	0.0065 J	0.019 U	0.019 U	0.0067 J	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.0055 J	0.019 U	0.014 J	0.019 U	0.01 J	0.0427
2013_06SIPMP	BXS-2	BXS-2	6/4/13	0.5 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.029	0.019 U	0.019 U	0.029
2012_05SIPMP	BXS-3	BXS-3	5/2/12	0.50 U	0.0029 J	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.044	0.019 U	0.019 U	0.0469
2012_05SIPMP	BXS-4	BXS-4	5/2/12	0.50 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.034	0.019 U	0.019 U	0.034
2008_01	EW1-EW7	0130-COMP	1/30/08	130																		
2008_03	EW1-EW7	EW1-7 COMP	2/27/08	270																		
2008_SI	EW1-EW7	EW 1-7 Comp.	4/29/08	240																		
2008_SI	EW1-EW7	Extra Well 1-7	7/29/08	230																		
2008_SI	EW1-EW7	EW 1-7	10/22/08	170																		
2009_SI	EW1-EW7	EW 1-7	2/11/09	210																		
2009_SI	EW1-EW7	EW 1-7	5/7/09	210																		
2008_SI	HCMW-7	HCMW-7	10/20/08	0.08 U	0.02	0.009 J	0.0034 U	0.0036 U	0.0026 U	0.0043 U	0.0023 U	0.0029 U	0.0025 U	0.0034 U	0.0025 U	0.012 J	0.0092 J	0.0026 U	0.03	0.025	0.0083 J	0.1135
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																		

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

Event	Station ID	Sample ID	Sample Date	Pentachlorophenol	2-Methylnaphthalene	Acenaphthene	Acenaphthylene	Anthracene	Benz(a)anthracene	Benzo(a)pyrene	Benzo(b)fluoranthene	Benzo(g,h,i)perylene	Benzo(k)fluoranthene	Chrysene	Dibenz(a,h)anthracene	Fluoranthene	Fluorene	Indeno(1,2,3-cd)pyrene	Naphthalene	Phenanthrene	Pyrene	Total PAH (calc)
				µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
2009_SI	HCMW-7	HCMW-7	11/16/09	0.16 U																		
2010_02SIPMP	HCMW-7	HCMW-7	2/8/10	0.16 U																		
2010_05SIPMP	HCMW-7	HCMW-7	5/24/10	0.07 U																		
2010_08SIPMP	HCMW-7	HCMW-7	8/16/10	0.07 U																		
2010_11SIPMP	HCMW-7	HCMW-7	11/15/10	0.07 U																		
2011_02SIPMP	HCMW-7	HCMW-7	2/7/11	0.07 U																		
2011_05SIPMP	HCMW-7	HCMW-7	5/16/11	0.07 U																		
2011_08SIPMP	HCMW-7	HCMW-7	8/23/11	0.12 J																		
2011_11SIPMP	HCMW-7	HCMW-7	11/2/11	0.07 U																		
2012_02SIPMP	HCMW-7	HCMW-7	2/13/12	0.2 U																		
2012_05SIPMP	HCMW-7	HCMW-7	5/1/12	0.50 U																		
2012_08SIPMP	HCMW-7	HCMW-7	8/20/12	0.50 U																		
2012_11SIPMP	HCMW-7	HCMW-7	11/12/12	0.50 U																		
2013_02SIPMP	HCMW-7	HCMW-7	2/11/13	0.5 U																		
2013_06SIPMP	HCMW-7	HCMW-7	6/3/13	0.5 U																		
2007_SI	MW-2	MW-2	1/31/07	0.13 U	0.0042 U	0.0031 U	0.0023 U	0.0039 U	0.0039 U	0.0043 U	0.0046 U	0.0041 U	0.0051 U	0.0053 U	0.0036 U	0.0047 U	0.0036 U	0.0033 U	0.0065 U	0.0032 U	0.0047 U	ND
2007_SI	MW-2	MW-2	4/17/07	0.13 U	0.02 U	0.0031 U	0.0023 U	0.0039 U	0.0039 U	0.0043 U	0.0046 U	0.0041 U	0.0051 U	0.0053 U	0.0036 U	0.0047 U	0.0036 U	0.0033 U	0.0065 U	0.02 U	0.0047 U	ND
2007_SI	MW-2	MW-2	7/17/07	0.13 U	0.0025 J	0.0044 U	0.0034 U	0.0056 J	0.0026 U	0.0043 U	0.0023 U	0.0029 U	0.0025 U	0.0034 U	0.0025 U	0.0044 U	0.0038 U	0.0026 U	0.019 U	0.005 U	0.0035 U	0.0081
2007_SI	MW-2	MW-2	10/9/07	0.08 U	0.0064 J	0.0044 U	0.0034 U	0.0036 U	0.0026 U	0.0043 U	0.0023 U	0.0029 U	0.0025 U	0.0034 U	0.0025 U	0.0044 U	0.0038 U	0.0026 U	0.0039 J	0.005 U	0.0035 U	0.0103
2008_01	MW-2	MW-2	1/8/08	0.08 U	0.0091 J	0.0044 U	0.0034 U	0.0036 U	0.0026 U	0.0043 U	0.0023 U	0.0029 U	0.0025 U	0.0034 U	0.0025 U	0.0044 U	0.0038 U	0.0026 U	0.006 J	0.005 U	0.0035 U	0.0151
2008_SI	MW-2	MW-2	4/29/08	0.08 U	0.02 U	0.0044 U	0.0034 U	0.0036 U	0.0026 U	0.0043 U	0.0023 U	0.0029 U	0.0025 U	0.0034 U	0.0025 U	0.0044 U	0.0038 U	0.0026 U	0.02 U	0.005 U	0.0035 U	ND
2008_SI	MW-2	MW-2	7/29/08	0.08 U	0.019 U	0.0044 U	0.0034 U	0.0036 U	0.0026 U	0.0043 U	0.0023 U	0.0029 U	0.0025 U	0.0034 U	0.0025 U	0.0044 U	0.0038 U	0.0026 U	0.019 U	0.005 U	0.0035 U	ND
2008_SI	MW-2	MW-2	10/21/08	0.08 U	0.0023 U	0.0044 U	0.0034 U	0.0036 U	0.0026 U	0.0043 U	0.0023 U	0.0029 U	0.0025 U	0.0034 U	0.0025 U	0.0048 J	0.0038 U	0.0026 U	0.019 U	0.019 U	0.0035 U	0.0048
2009_SI	MW-2	MW-2	2/10/09	0.16 U	0.0023 U	0.0044 U	0.0034 U	0.0036 U	0.0026 U	0.0043 U	0.0023 U	0.0029 U	0.0025 U	0.0034 U	0.0025 U	0.0044 U	0.0038 U	0.0026 U	0.003 U	0.005 U	0.0035 U	ND
2009_SI	MW-2	MW-2	5/5/09	0.16 U	0.0023 U	0.0044 U	0.0034 U	0.0036 U	0.0026 U	0.0043 U	0.0023 U	0.0029 U	0.0025 U	0.0034 U	0.0025 U	0.0044 U	0.0038 U	0.0026 U	0.02 U	0.005 U	0.0035 U	ND
2009_SI	MW-2	MW-2	8/4/09	0.16 U	0.019 U	0.0044 U	0.0034 U	0.0036 U	0.0026 U	0.0043 U	0.0023 U	0.0029 U	0.0025 U	0.0034 U	0.0025 U	0.0044 U	0.0038 U	0.0026 U	0.019 U	0.005 U	0.0035 U	ND
2009_SI	MW-2	MW-2	11/17/09	0.16 U	0.02 U	0.0044 U	0.0034 U	0.0036 U	0.0026 U	0.0043 U	0.0023 U	0.0029 U	0.0025 U	0.0034 U	0.0025 U	0.0044 U	0.0038 U	0.0026 U	0.072 U	0.005 U	0.0035 U	ND
2010_02SIPMP	MW-2	MW-2	2/9/10	0.16 U	0.0023 U	0.0044 U	0.0034 U	0.0036 U	0.0026 U	0.0043 U	0.0023 U	0.0029 U	0.0025 U	0.0034 U	0.0025 U	0.0044 U	0.0038 U	0.0026 U	0.047	0.005 U	0.0035 U	0.047
2010_05SIPMP	MW-2	MW-2	5/25/10	0.07 U	0.0023 U	0.0044 U	0.0034 U	0.0036 U	0.02 U	0.0043 U	0.0023 U	0.0029 U	0.0025 U	0.0034 U	0.0025 U	0.0044 U	0.0038 U	0.0026 U	0.036 U	0.005 U	0.0035 U	ND
2010_08SIPMP	MW-2	MW-2	8/17/10	0.07 U	0.0023 U	0.0044 U	0.0034 U	0.0036 U	0.0026 U	0.0043 U	0.0023 U	0.0029 U	0.0025 U	0.0034 U	0.0025 U	0.0044 U	0.0038 U	0.0026 U	0.003 U	0.005 U	0.0035 U	ND
2010_11SIPMP	MW-2	MW-2	11/17/10	0.07 U	0.0023 U	0.0044 U	0.0034 U	0.0036 U	0.0026 U	0.0043 U	0.0023 U	0.0029 U	0.0025 U	0.0034 U	0.0025 U	0.0044 U	0.0038 U	0.0026 U	0.036 U	0.005 U	0.0035 U	ND
2011_02SIPMP	MW-2	MW-2	2/8/11	0.07 U	0.0023 U	0.0044 U	0.0034 U	0.0036 U	0.0026 U	0.0043 U	0.0023 U	0.0029 U	0.0025 U	0.0034 U	0.0025 U	0.0044 U	0.0038 U	0.0026 U	0.02 U	0.005 U	0.0035 U	ND
2011_05SIPMP	MW-2	MW-2	5/16/11	0.07 U	0.0023 U	0.0044 U	0.0034 U	0.0045 J	0.0026 U	0.0043 U	0.0023 U	0.0029 U	0.0025 U	0.0034 U	0.0025 U	0.0044 U	0.0038 U	0.0026 U	0.033 U	0.005 U	0.0035 U	0.0045
2011_08SIPMP	MW-2	MW-2	8/23/11	0.07 U	0.02 U	0.0044 U	0.0034 U	0.012 J	0.0026 U	0.0043 U	0.0023 U	0.0029 U	0.0025 U	0.0034 U	0.0025 U	0.0044 U	0.0038 U	0.0026 U	0.02 U	0.005 U	0.0035 U	0.012
2011_11SIPMP	MW-2	MW-2	11/2/11	0.07 U	0.02 U	0.0044 U	0.0034 U	0.0045 J	0.0026 U	0.0043 U	0.0023 U	0.0029 U	0.0025 U	0.0034 U	0.0025 U	0.0044 U	0.0038 U	0.0026 U	0.046 U	0.005 U	0.0035 U	0.0045
2012_02SIPMP	MW-2	MW-2	2/13/12	0.2 U	0.02 U	0.02 U	0.02 U	0.02 J	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.023	0.02 U	0.02 U	0.043
2012_05SIPMP	MW-2	MW-2	4/30/12	0.50 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.032	0.019 U	0.019 U	0.032
2012_08SIPMP	MW-2	MW-2	8/20/12	0.50 U	0.021 U	0.021 U	0.021 U	0.0058 J	0.021 U	0.021 U	0.021 U	0.021 U	0.021 U	0.021 U	0.021 U	0.021 U	0.021 U	0.021 U	0.099	0.021 U	0.021 U	0.1048
2012_11SIPMP	MW-2	MW-2	11/12/12	0.50 U	0.025	0.02 U	0.02 U	0.0055 J	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.004 J	0.02 U	0.0059 U	0.0086 U	0.02 U	0.0345
2013_02SIPMP	MW-2	MW-2	2/11/13	0.5 U	0.0063 J	0.019 U	0.019 U	0.0044 J	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.013 J	0.019 U	0.019 U	0.0237
2013_06SIPMP	MW-2	MW-2	6/3/13	0.5 U	0.0029 U	0.02 U	0.02 U	0.015 J	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.025 U	0.02 U	0.02 U	0.015
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	1100	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	2700																		
2008_SI	MW-3	MW-3	4/29/08	1200	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	1800	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	1700	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	1100	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	2400	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

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

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

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

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

TABLE 4A
Summary of Groundwater Sampling Analytical Results - 2007 through Second 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
2013_02SIPMP	MW-22	MW-22	2/11/13	180 J																		
2013_06SIPMP	MW-22	MW-22	6/3/13	160																		
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																		
2008_01	MW-24	MW-24	1/10/08	180																		
2008_03	MW-24	MW-24	2/27/08	96																		
2008_SI	MW-24	MW-24	4/29/08	0.08 U																		
2008_SI	MW-24	MW-24	7/29/08	0.08 U																		
2008_SI	MW-24	MW-24	10/21/08	2.2																		
2009_SI	MW-24	MW-24	2/11/09	0.16 U																		
2009_SI	MW-24	MW-24	5/5/09	0.16 U																		
2009_SI	MW-24	MW-24	8/4/09	0.35																		
2009_SI	MW-24	MW-24	11/17/09	0.36 J																		
2010_02SIPMP	MW-24	MW-24	2/9/10	3.3																		
2010_05SIPMP	MW-24	MW-24	5/25/10	0.17 J																		
2010_08SIPMP	MW-24	MW-24	8/17/10	0.14 J																		
2010_11SIPMP	MW-24	MW-24	11/17/10	0.27 J																		
2011_02SIPMP	MW-24	MW-24	2/9/11	2.8																		
2011_05SIPMP	MW-24	MW-24	5/17/11	13																		
2011_08SIPMP	MW-24	MW-24	8/23/11	70																		
2011_11SIPMP	MW-24	MW-24	11/2/11	5.6																		
2012_02SIPMP	MW-24	MW-24	2/14/12	58																		
2012_05SIPMP	MW-24	MW-24	4/30/12	380																		
2012_08SIPMP	MW-24	MW-24	8/20/12	170																		
2012_11SIPMP	MW-24	MW-24	11/12/12	0.5 U																		
2013_02SIPMP	MW-24	MW-24	2/11/13	230 J																		
2013_02SIPMP	MW-24	MW-44	2/11/13	280 J																		
2013_06SIPMP	MW-24	MW-24	6/3/13	540																		
2013_06SIPMP	MW-24	MW-44	6/3/13	480																		
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	3200																		

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

Event	Station ID	Sample ID	Sample Date	Pentachlorophenol	2-Methylnaphthalene	Acenaphthene	Acenaphthylene	Anthracene	Benz(a)anthracene	Benzo(a)pyrene	Benzo(b)fluoranthene	Benzo(g,h,i)perylene	Benzo(k)fluoranthene	Chrysene	Dibenz(a,h)anthracene	Fluoranthene	Fluorene	Indeno(1,2,3-cd)pyrene	Naphthalene	Phenanthrene	Pyrene	Total PAH (calc)
				µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
2011_08SIPMP	MW-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	2800																		
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																		
2008_01	MW-26	MW-26	1/9/08	0.08 U																		
2008_03	MW-26	MW-26	2/27/08	0.17 J																		
2008_SI	MW-26	MW-26	4/29/08	0.08 U																		
2008_SI	MW-26	MW-26	7/29/08	0.08 U																		
2008_SI	MW-26	MW-26	10/21/08	0.61 U																		
2009_SI	MW-26	MW-26	2/11/09	0.16 U																		
2009_SI	MW-26	MW-26	5/5/09	0.16 U																		
2009_SI	MW-26	MW-26	8/4/09	0.16 U																		
2009_SI	MW-26	MW-26	11/17/09	0.16 U																		
2010_02SIPMP	MW-26	MW-26	2/9/10	0.16 U																		
2010_05SIPMP	MW-26	MW-26	5/25/10	0.07 U																		
2010_08SIPMP	MW-26	MW-26	8/18/10	0.089 J																		
2010_11SIPMP	MW-26	MW-26	11/17/10	0.076 J																		
2011_02SIPMP	MW-26	MW-26	2/9/11	0.07 U																		
2011_05SIPMP	MW-26	MW-26	5/18/11	0.07 U																		
2011_08SIPMP	MW-26	MW-26	8/24/11	0.07 U																		
2011_11SIPMP	MW-26	MW-26	11/2/11	0.14 J																		
2012_02SIPMP	MW-26	MW-26	2/13/12	0.16 NJ																		
2012_05SIPMP	MW-26	MW-26	4/30/12	0.16 J																		
2012_08SIPMP	MW-26	MW-26	8/20/12	0.5 U																		
2012_11SIPMP	MW-26	MW-26	11/12/12	0.5 U																		
2013_02SIPMP	MW-26	MW-26	2/11/13	0.19 J																		
2013_06SIPMP	MW-26	MW-26	6/3/13	0.5 U																		
2008_01	MW-27	MW-27	1/10/08	0.48																		
2008_03	MW-27	MW-27	2/27/08	0.08 U																		
2008_SI	MW-27	MW-27	4/29/08	0.18 J																		
2008_SI	MW-27	MW-27	7/29/08	0.08 U																		
2008_SI	MW-27	MW-27	10/21/08	0.23 U																		
2009_SI	MW-27	MW-27	2/11/09	0.16 U																		
2009_SI	MW-27	MW-27	5/5/09	0.16 U																		
2009_SI	MW-27	MW-27	8/4/09	0.16 U																		
2009_SI	MW-27	MW-27	11/17/09	0.16 U																		
2010_02SIPMP	MW-27	MW-27	2/9/10	0.16 U																		
2010_05SIPMP	MW-27	MW-27	5/25/10	0.07 U																		
2010_08SIPMP	MW-27	MW-27	8/18/10	0.07 U																		
2010_11SIPMP	MW-27	MW-27	11/17/10	0.27 J																		
2011_02SIPMP	MW-27	MW-27	2/9/11	0.07 J																		
2011_05SIPMP	MW-27	MW-27	5/18/11	0.07 U																		
2011_08SIPMP	MW-27	MW-27	8/24/11	0.07 U																		
2011_11SIPMP	MW-27	MW-27	11/2/11	0.07 U																		
2012_02SIPMP	MW-27	MW-27	2/13/12	0.2 U																		
2012_05SIPMP	MW-27	MW-27	4/30/12	0.5 U																		
2012_08SIPMP	MW-27	MW-27	8/20/12	0.5 U																		
2012_11SIPMP	MW-27	MW-27	11/12/12	0.5 U																		
2013_02SIPMP	MW-27	MW-27	2/11/13	0.5 U																		
2013_06SIPMP	MW-27	MW-27	6/3/13	0.5 U																		
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																		

TABLE 4A
Summary of Groundwater Sampling Analytical Results - 2007 through Second 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-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																		
2008_01	MW-29	MW-29	1/10/08	1600																		
2008_03	MW-29	MW-29	2/26/08	730																		
2008_SI	MW-29	MW-29	4/28/08	0.08 U																		
2008_SI	MW-29	MW-29	7/28/08	0.08 U																		
2008_SI	MW-29	MW-29	10/20/08	7.5																		
2009_SI	MW-29	MW-29	2/11/09	0.16 U																		
2009_SI	MW-29	MW-29	5/5/09	0.16 U																		
2009_SI	MW-29	MW-29	8/4/09	0.16 U																		
2009_SI	MW-29	MW-29	11/17/09	0.16 U																		
2010_02SIPMP	MW-29	MW-29	2/9/10	0.16 U																		
2010_05SIPMP	MW-29	MW-29	5/24/10	0.07 U																		
2010_08SIPMP	MW-29	MW-29	8/17/10	0.099 J																		
2010_11SIPMP	MW-29	MW-29	11/17/10	0.087 J																		
2011_02SIPMP	MW-29	MW-29	2/8/11	0.07 U																		
2011_05SIPMP	MW-29	MW-29	5/17/11	0.12 J																		
2011_08SIPMP	MW-29	MW-29	8/23/11	0.11 J																		
2011_11SIPMP	MW-29	MW-29	11/2/11	0.23 J																		
2012_02SIPMP	MW-29	MW-29	2/13/12	0.32																		
2012_05SIPMP	MW-29	MW-29	4/30/12	0.5 U																		
2012_08SIPMP	MW-29	MW-29	8/20/12	0.22 J																		
2012_11SIPMP	MW-29	MW-29	11/12/12	2																		
2013_02SIPMP	MW-29	MW-29	2/11/13	16 J																		
2013_06SIPMP	MW-29	MW-29	6/3/13	1.6																		
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	0.2 U	0.0056 J	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.019 J	0.02 U	0.02 U	0.0246
2012_05SIPMP	MW-30	MW-30	5/1/12	0.5 U	0.0049 J	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.0044 J	0.019 U	0.023	0.019 U	0.019 U	0.0323
2012_08SIPMP	MW-30	MW-30	8/19/12	0.5 U	0.0043 J	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.04	0.019 U	0.019 U	0.0443
2012_11SIPMP	MW-30	MW-30	11/12/12	0.5 U	0.0043 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.021 U	0.019 U	0.019 U	ND
2013_02SIPMP	MW-30	MW-30	2/10/13	0.5 U	0.0037 J	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.014 J	0.019 U	0.019 U	0.0177
2013_06SIPMP	MW-30	MW-30	6/2/13	0.5 U	0.0047 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.022 U	0.02 U	0.02 U	ND
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																		

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

Event	Station ID	Sample ID	Sample Date	Pentachlorophenol	2-Methylnaphthalene	Acenaphthene	Acenaphthylene	Anthracene	Benz(a)anthracene	Benzo(a)pyrene	Benzo(b)fluoranthene	Benzo(g,h,i)perylene	Benzo(k)fluoranthene	Chrysene	Dibenz(a,h)anthracene	Fluoranthene	Fluorene	Indeno(1,2,3-cd)pyrene	Naphthalene	Phenanthrene	Pyrene	Total PAH (calc)
				µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
2009_SI	MW-31	MW-31	8/3/09	0.16 U																		
2009_SI	MW-31	MW-31	11/17/09	0.16 U																		
2010_02SIPMP	MW-31	MW-31	2/8/10	0.16 U																		
2010_05SIPMP	MW-31	MW-31	5/24/10	0.083 J																		
2010_08SIPMP	MW-31	MW-31	8/16/10	0.07 U																		
2010_11SIPMP	MW-31	MW-31	11/16/10	0.36 J																		
2011_02SIPMP	MW-31	MW-31	2/8/11	0.32																		
2011_05SIPMP	MW-31	MW-31	5/16/11	0.61																		
2011_08SIPMP	MW-31	MW-31	8/23/11	0.085 J																		
2011_11SIPMP	MW-31	MW-31	11/2/11	0.084 J																		
2012_02SIPMP	MW-31	MW-31	2/13/12	0.2 U																		
2012_05SIPMP	MW-31	MW-31	5/1/12	0.50 U																		
2012_08SIPMP	MW-31	MW-31	8/19/12	0.50 U																		
2012_11SIPMP	MW-31	MW-31	11/11/12	0.50 U																		
2013_02SIPMP	MW-31	MW-31	2/11/13	0.5 U																		
2013_06SIPMP	MW-31	MW-31	6/3/13	0.5 U																		
2008_01	MW-32	MW-32	1/10/08	1700																		
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	1000																		
2009_SI	MW-32	MW-32	11/17/09	1200																		
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	1000																		
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	3400																		
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	1500																		
2013_02SIPMP	MW-32	MW-32	2/11/13	83 J																		
2013_06SIPMP	MW-32	MW-32	6/3/13	150																		
2008_01	MW-33	MW-33	1/10/08	50																		
2008_03	MW-33	MW-33	2/26/08	400																		
2008_SI	MW-33	MW-33	4/29/08	3																		
2008_SI	MW-33	MW-33	7/29/08	140																		
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	0.5 U																		
2012_08SIPMP	MW-33	MW-33	8/20/12	0.5																		
2012_11SIPMP	MW-33	MW-33	11/12/12	38																		
2013_02SIPMP	MW-33	MW-33	2/11/13	0.5 U																		
2013_06SIPMP	MW-33	MW-33	6/3/13	0.5 U																		
2008_01	MW-34	MW-34	1/10/08	1200																		
2008_03	MW-34	MW-34	2/26/08	1900																		
2008_SI	MW-34	MW-34	4/28/08	320																		

TABLE 4A
Summary of Groundwater Sampling Analytical Results - 2007 through Second 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_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																		
2010_02SIPMP	MW-34	MW-34	2/9/10	0.28 J																		
2010_05SIPMP	MW-34	MW-34	5/24/10	0.2 J																		
2010_08SIPMP	MW-34	MW-34	8/17/10	250																		
2010_11SIPMP	MW-34	MW-34	11/16/10	3																		
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																		
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																		
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	0.5 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.024 J	0.019 U	0.019 U	0.024
2013_06SIPMP	MW-35	MW-35	6/3/13	0.5 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
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	0.0023 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
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

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

Event	Station ID	Sample ID	Sample Date	Pentachlorophenol	2-Methylnaphthalene	Acenaphthene	Acenaphthylene	Anthracene	Benz(a)anthracene	Benzo(a)pyrene	Benzo(b)fluoranthene	Benzo(g,h,i)perylene	Benzo(k)fluoranthene	Chrysene	Dibenz(a,h)anthracene	Fluoranthene	Fluorene	Indeno(1,2,3-cd)pyrene	Naphthalene	Phenanthrene	Pyrene	Total PAH (calc)
				µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
2008_03	MW-37	MW-37	2/26/08	1100																		
2008_SI	MW-37	MW-37	4/29/08	1000	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	0.5 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.0027 J	0.0044 J	0.019 U	0.019 U	0.0071
2013_06SIPMP	MW-37	MW-37	6/2/13	0.5 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
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	0.5 U																		
2012_11SIPMP	MW-38	MW-38	11/12/12	0.5 U																		
2013_02SIPMP	MW-38	MW-38	2/11/13	0.39 J																		
2013_06SIPMP	MW-38	MW-38	6/3/13	0.5 U																		
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																		
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																		
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																		

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

Event	Station ID	Sample ID	Sample Date	Pentachlorophenol	2-Methylnaphthalene	Acenaphthene	Acenaphthylene	Anthracene	Benz(a)anthracene	Benzo(a)pyrene	Benzo(b)fluoranthene	Benzo(g,h,i)perylene	Benzo(k)fluoranthene	Chrysene	Dibenz(a,h)anthracene	Fluoranthene	Fluorene	Indeno(1,2,3-cd)pyrene	Naphthalene	Phenanthrene	Pyrene	Total PAH (calc)
				µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
2012_05SIPMP	MW-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
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	0.5 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	0.5 U																		
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	0.5 U																		
2012_08SIPMP	MW-43	MW-43	8/20/12	0.5 U																		
2012_11SIPMP	MW-43	MW-43	11/13/12	0.5 U																		
2013_02SIPMP	MW-43	MW-43	2/11/13	0.5 U																		
2013_06SIPMP	MW-43	MW-43	6/3/13	0.5 U																		

Notes:
µg/L = micrograms per liter
U = undetected at the detection limit shown
J = estimated value
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.
i = The MRL/MDL is elevated due to a chromatographic interference

TABLE 4b

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

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

Concentrations shown in micrograms per liter (µg/L)

Analyte	5/2/2012[1]	8/20/2012[3]	11/12/2012[4]	2/11/2013[4]	6/4/2013[5]
Pentachlorophenol	770	550 D	690	820	590
2,4,5-Trichlorophenol	ND	ND	ND	ND	ND
2,4,6-Trichlorophenol	0.16 NJ, SC, DL	ND	ND	ND	ND
2,3,4,6-Tetrachlorophenol	--	--	--	--	--
2,3,5,6-Tetrachlorophenol	--	--	--	--	--
3,4-Dichlorophenol	--	--	--	--	--
3,5-Dichlorophenol	--	--	--	--	--
Total Tetrachlorophenols[2]	39 J	ND	ND	ND	ND

Notes

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

Abbreviations

EPA = US Environmental Protection Agency
ND = not detected at method detection limit
NJ = The analysis has indicates the presence of an analyte that has been tentatively identified and the associated numerical value represents its approximate concentration.
SC = There was more than a 40% relative percfent difference between the analytical results from the primary and confirmation analytical column.
D = The report result is from a dilution.
DL = The analyte concentration is between the method detection limit and the reporting limit.
PCP = pentachlorophenol
J = The result is an estimated value.
-- = Analysis not performed for constituent.

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

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

Notes:

µg/L = micrograms per liter

D = The reported result is from a dilution

U = Undetected above the listed detection limit

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

J = Estimated value between PQL and MDL

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

TABLE 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	1400
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

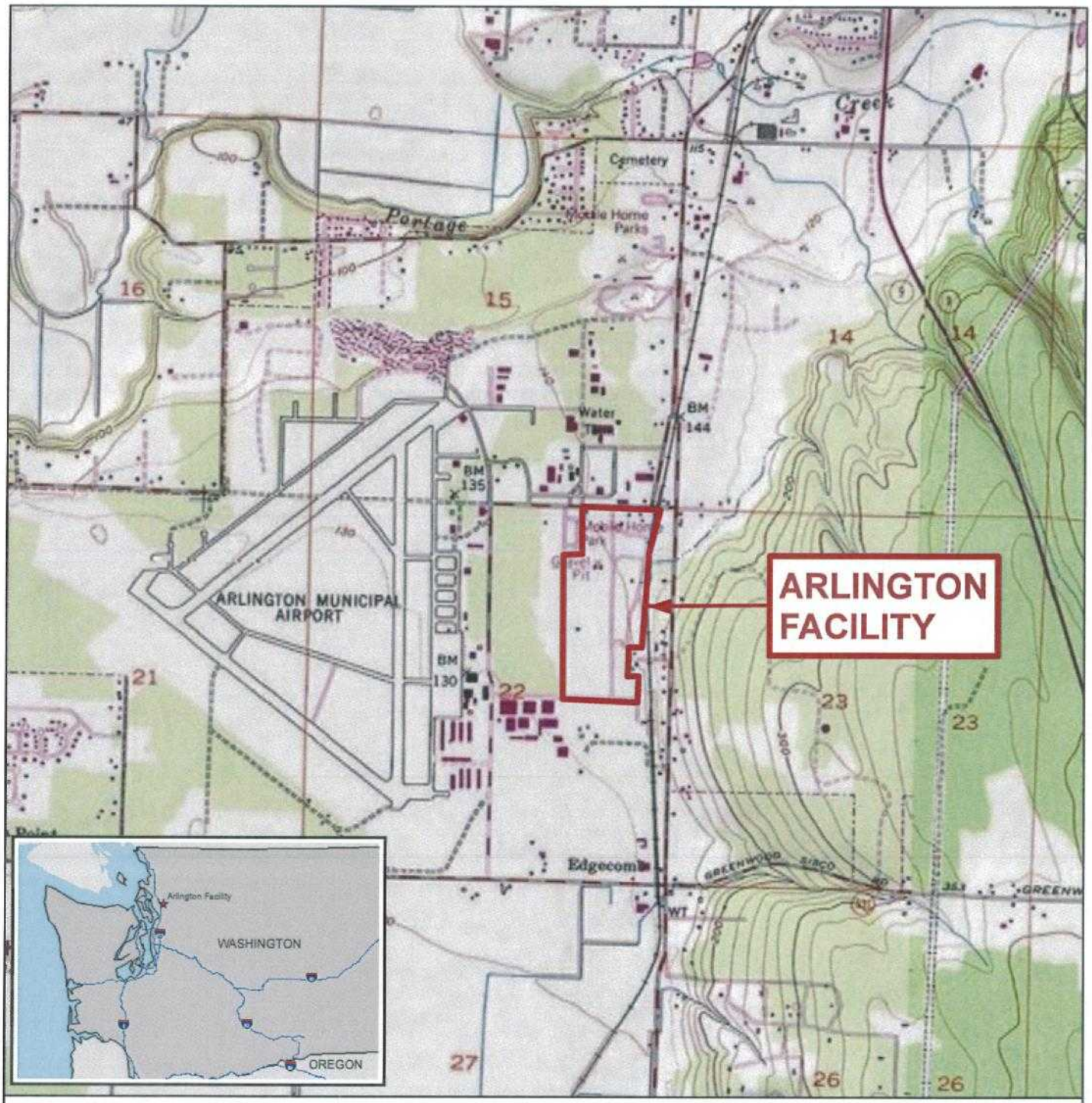
TABLE 6
Light Non-aqueous Phase Liquid (LNAPL) Recovery
Former J.H. Baxter Co. Wood Treating Facility
Arlington, Washington

Date	Well ID	Weight (lbs)			Volume (Gallons)
		Total	Material	LNAPL	
4/7/2008	MW-12	2.24	0.53	1.71	0.20
6/2/2008	MW-12	2.34	0.53	1.81	0.22
7/28/2008	MW-12	2.14	0.54	1.60	0.19
9/26/2008	MW-12	1.90	0.46	1.44	0.17
11/24/2008	MW-12	2.22	0.54	1.68	0.20
1/7/2009	MW-13	2.12	0.56	1.56	0.19
3/5/2009	MW-12	2.35	0.64	1.71	0.20
4/1/2009	MW-12	2.58	0.64	1.94	0.23
5/27/2009	MW-12	2.76	0.68	2.08	0.25
11//19/2009	MW-12	NA	NA	1.82	0.22
12/28/2009	MW-12	2.64	0.66	1.98	0.24
1/25/2010	MW-12	2.48	0.64	1.84	0.22
3/23/2010	MW-12	2.6	0.66	1.94	0.23
4/28/2010	MW-12	2.68	0.64	2.04	0.24
6/29/2010	MW-12	2.52	0.64	1.88	0.22
10/19/2010	MW-13	1.49	0.64	0.85	0.10
10/19/2010	MW-12	1.8	0.64	1.16	0.14
2/10/2011	MW-12	2.19	0.56	1.63	0.19
5/18/2011	MW-12	2.56	0.64	1.92	0.23
5/18/2011	MW-13	1.9	0.45	1.45	0.17
5/18/2011	MW-19	1.8	0.63	1.17	0.14
5/18/2011	MW-21	1.59	0.58	1.01	0.12
8/24/2011	MW-12	2.07	0.63	1.44	0.17
11/3/2011	MW-12	2.27	0.61	1.66	0.20
2/15/2012	MW-12	1.89	0.64	1.25	0.15
5/2/2012	MW-12	2.45	0.64	1.81	0.22
8/20/2012	MW-12	1.08	0.47	0.61	0.07
11/13/2012	MW-12	NC	NC	0.00	0.00
2/12/2013	MW-12	2.38	0.41	1.97	0.23
6/3/2013	MW-12	1.91	0.58	1.33	0.16
TOTAL				**46.29**	**5.52**

Notes:
NC - No Change, water level low

FIGURES

FIGURES



0 1,000 2,000 4,000 Feet

AMEC 7376 SW Durham Road Portland, OR, U.S.A. 97224	amec	J.H. Baxter	CLIENT: J.H. BAXTER

TITLE: SITE VICINITY MAP	DWN BY: PM	DATUM: NAD83	DATE: MAY 2013
PROJECT: FORMER J.H. BAXTER AND CO. WOOD TREATING FACILITY ARLINGTON, WA	CHK'D BY: SB	REV. NO.: 1	PROJECT NO.: 161M125610
	PROJECTION: WA SP N. Ft.	SCALE: 1 inch = 2,000 feet	FIGURE No.: 1

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

AERIAL: MAY 2009, GOOGLE

LEGEND

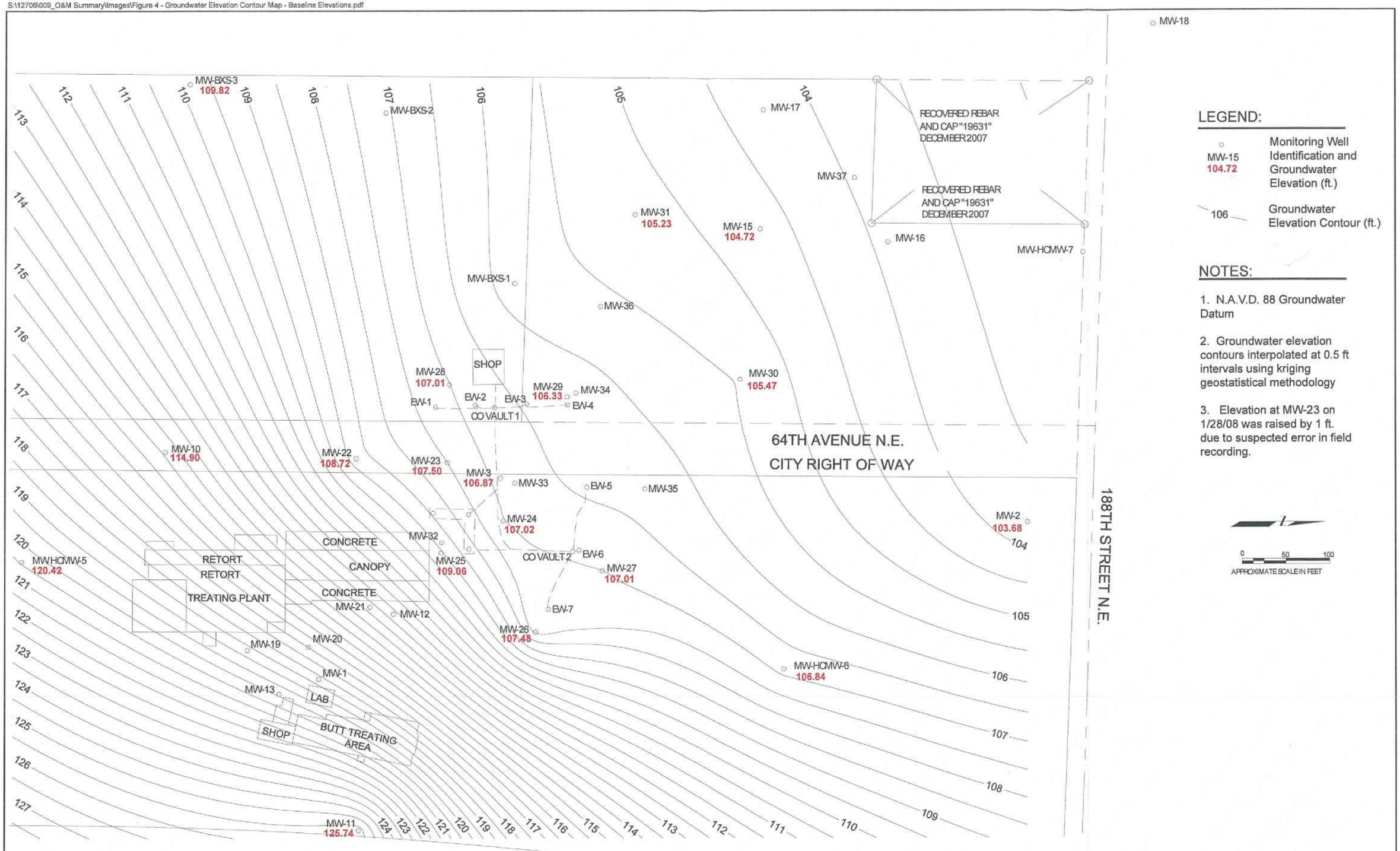
MW-1 ⊕	MONITORING WELL
MW-12 ●	LNAPL RECOVERY WELL
EW-1 ■	EXTRACTION WELL AND VAULT IDENTIFYING NUMBER
— — — —	APPROXIMATE SITE BOUNDARY
———	LAYOUT OF GROUNDWATER RECIRCULATION PIPING

0 110 220
APPROXIMATE SCALE IN FEET

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

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

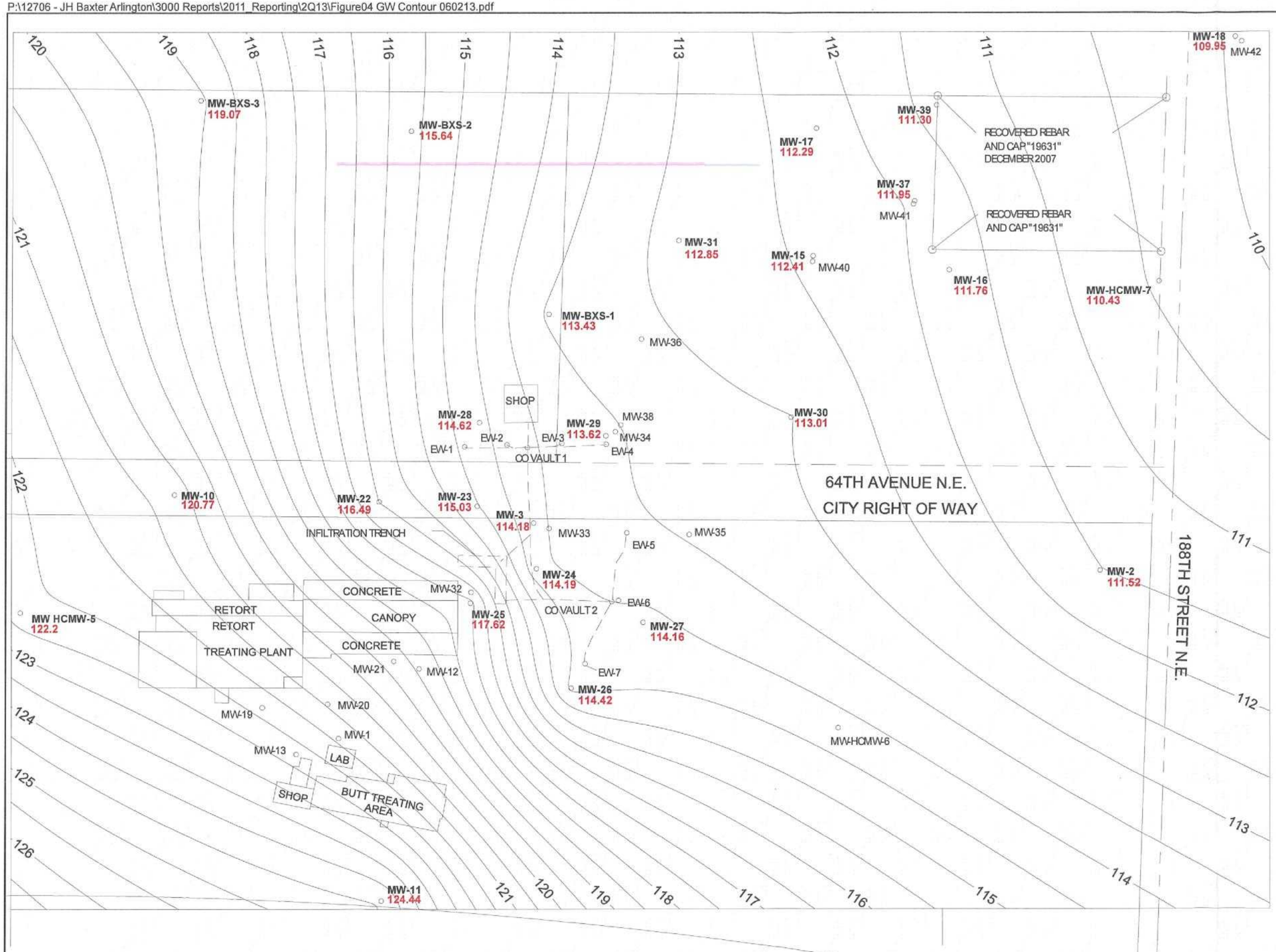
Plot Date: 08/08/11 - 2:59pm, Plotted by: adam.stenberg
Drawing Path: S:\127060\014_WellNetwork\, Drawing Name: Baxter_WellNetwork_080811.dwg



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

NOTES:

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

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

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

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

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

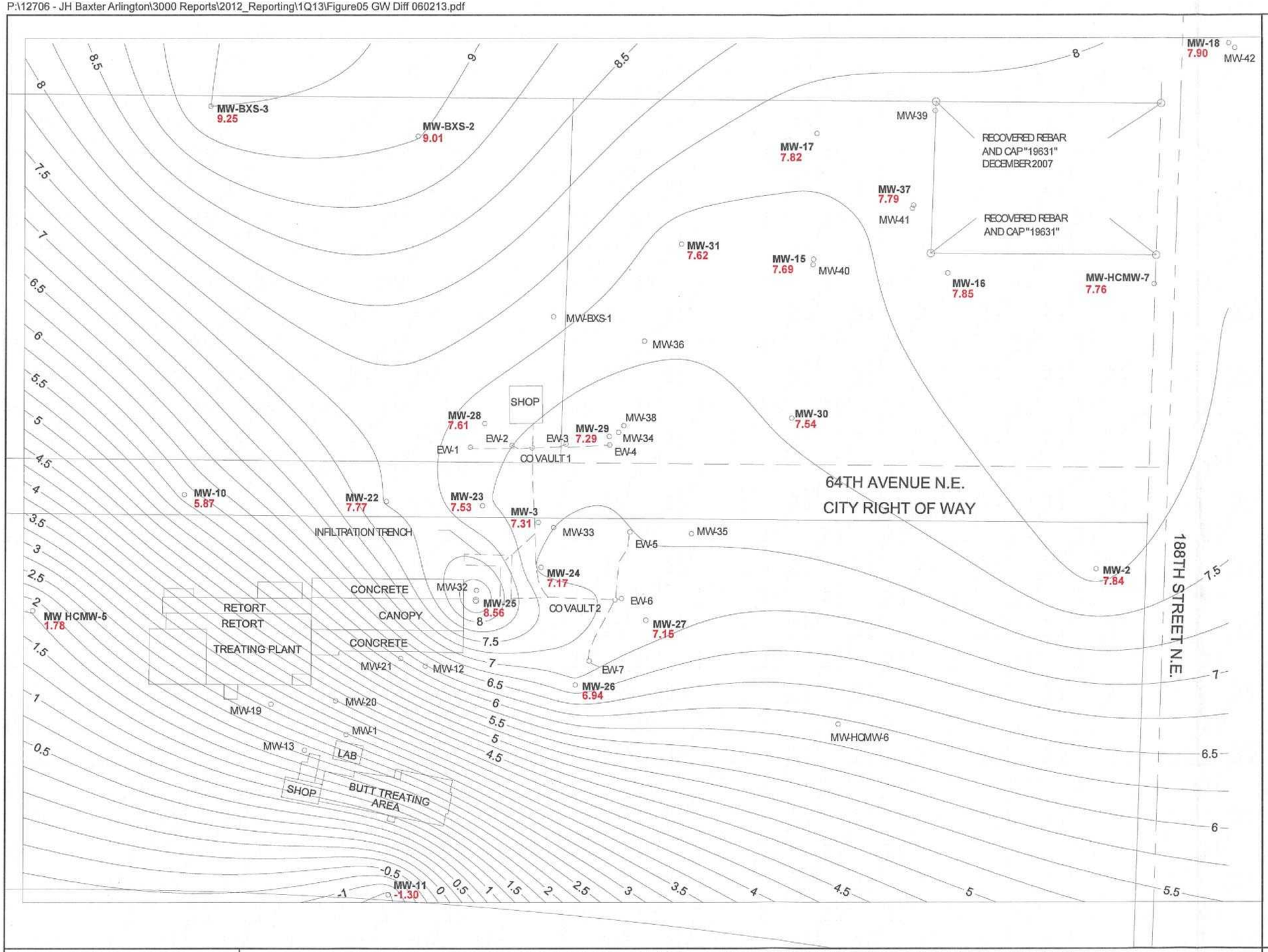
6. For well pairs and well triplets, groundwater elevation from the well with the highest screen elevation was used for contouring.

0 50 100
APPROXIMATE SCALE IN FEET

amec

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

Prepared By: EO	Project No. 12706
Date: 6/13/13	Figure 4



LEGEND:

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

NOTES:

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

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

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

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

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

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

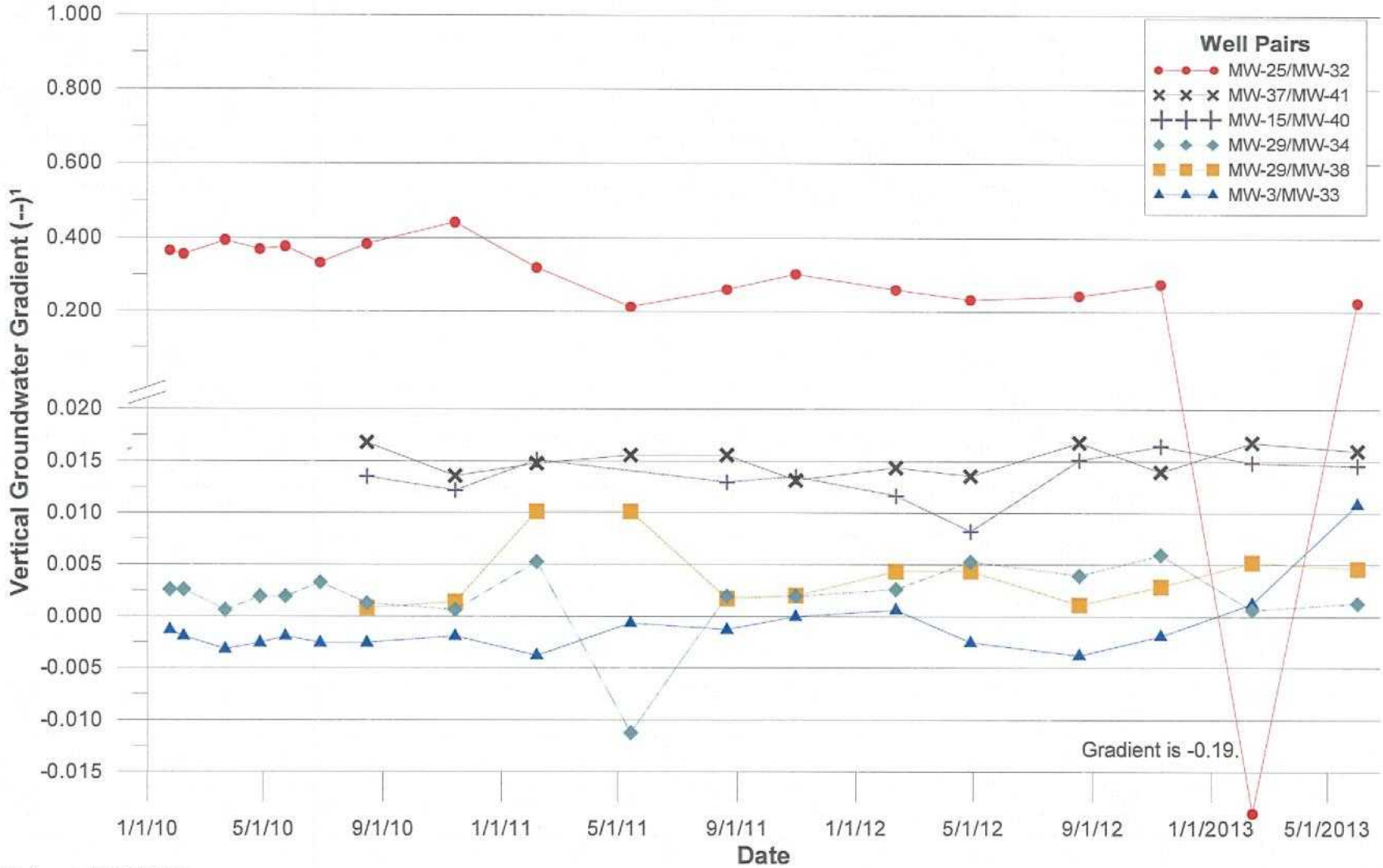
0 50 100
APPROXIMATE SCALE IN FEET

amec

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

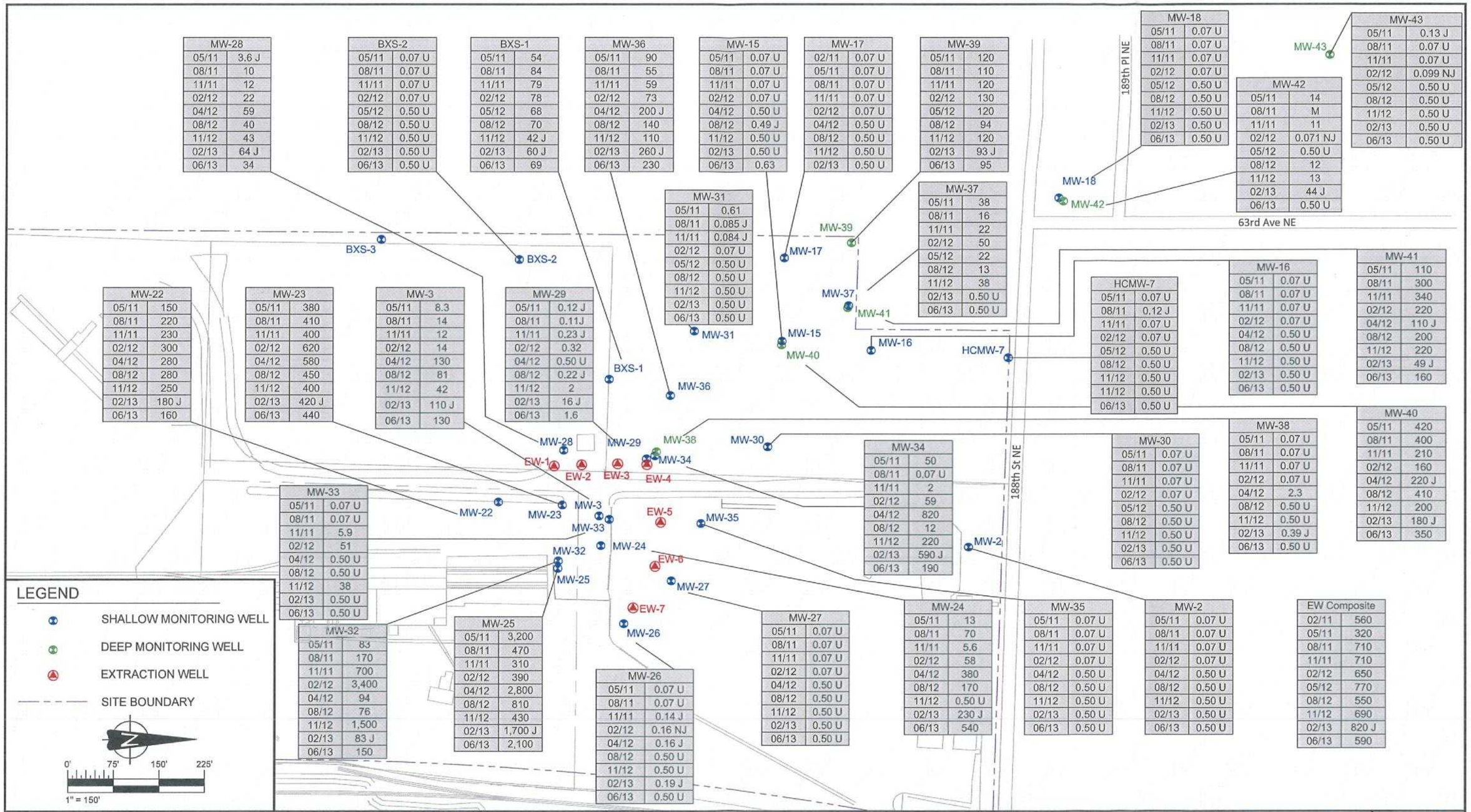
Prepared By: ERO	Project No. 12706
Date: 6/13/13	Figure 5

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



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

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



MW-28	
05/11	3.6 J
08/11	10
11/11	12
02/12	22
04/12	59
08/12	40
11/12	43
02/13	64 J
06/13	34

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

BXS-1	
05/11	54
08/11	84
11/11	79
02/12	78
05/12	68
08/12	70
11/12	42 J
02/13	60 J
06/13	69

MW-36	
05/11	90
08/11	55
11/11	59
02/12	73
04/12	200 J
08/12	140
11/12	110
02/13	260 J
06/13	230

MW-15	
05/11	0.07 U
08/11	0.07 U
11/11	0.07 U
02/12	0.07 U
04/12	0.50 U
08/12	0.49 J
11/12	0.50 U
02/13	0.50 U
06/13	0.63

MW-17	
02/11	0.07 U
05/11	0.07 U
08/11	0.07 U
11/11	0.07 U
02/12	0.07 U
04/12	0.50 U
08/12	0.50 U
11/12	0.50 U
02/13	0.50 U

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

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

MW-43	
05/11	0.13 J
08/11	0.07 U
11/11	0.07 U
02/12	0.099 NJ
05/12	0.50 U
08/12	0.50 U
11/12	0.50 U
02/13	0.50 U
06/13	0.50 U

MW-42	
05/11	14
08/11	M
11/11	11
02/12	0.071 NJ
05/12	0.50 U
08/12	12
11/12	13
02/13	44 J
06/13	0.50 U

MW-31	
05/11	0.61
08/11	0.085 J
11/11	0.084 J
02/12	0.07 U
05/12	0.50 U
08/12	0.50 U
11/12	0.50 U
02/13	0.50 U
06/13	0.50 U

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

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

MW-16	
05/11	0.07 U
08/11	0.07 U
11/11	0.07 U
02/12	0.07 U
04/12	0.50 U
08/12	0.50 U
11/12	0.50 U
02/13	0.50 U
06/13	0.50 U

MW-41	
05/11	110
08/11	300
11/11	340
02/12	220
04/12	110 J
08/12	200
11/12	220
02/13	49 J
06/13	160

MW-22	
05/11	150
08/11	220
11/11	230
02/12	300
04/12	280
08/12	280
11/12	250
02/13	180 J
06/13	160

MW-23	
05/11	380
08/11	410
11/11	400
02/12	620
04/12	580
08/12	450
11/12	400
02/13	420 J
06/13	440

MW-3	
05/11	8.3
08/11	14
11/11	12
02/12	14
04/12	130
08/12	81
11/12	42
02/13	110 J
06/13	130

MW-29	
05/11	0.12 J
08/11	0.11J
11/11	0.23 J
02/12	0.32
04/12	0.50 U
08/12	0.22 J
11/12	2
02/13	16 J
06/13	1.6

MW-38	
05/11	0.07 U
08/11	0.07 U
11/11	0.07 U
02/12	0.07 U
04/12	2.3
08/12	0.50 U
11/12	0.50 U
02/13	0.39 J
06/13	0.50 U

MW-40	
05/11	420
08/11	400
11/11	210
02/12	160
04/12	220 J
08/12	410
11/12	200
02/13	180 J
06/13	350

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

MW-34	
05/11	50
08/11	0.07 U
11/11	2
02/12	59
04/12	820
08/12	12
11/12	220
02/13	590 J
06/13	190

MW-33	
05/11	0.07 U
08/11	0.07 U
11/11	5.9
02/12	51
04/12	0.50 U
08/12	0.50 U
11/12	38
02/13	0.50 U
06/13	0.50 U

MW-32	
05/11	83
08/11	170
11/11	700
02/12	3,400
04/12	94
08/12	76
11/12	1,500
02/13	83 J
06/13	150

MW-25	
05/11	3,200
08/11	470
11/11	310
02/12	390
04/12	2,800
08/12	810
11/12	430
02/13	1,700 J
06/13	2,100

MW-26	
05/11	0.07 U
08/11	0.07 U
11/11	0.14 J
02/12	0.16 NJ
04/12	0.16 J
08/12	0.50 U
11/12	0.50 U
02/13	0.19 J
06/13	0.50 U

MW-27	
05/11	0.07 U
08/11	0.07 U
11/11	0.07 U
02/12	0.07 U
04/12	0.50 U
08/12	0.50 U
11/12	0.50 U
02/13	0.50 U
06/13	0.50 U

MW-24	
05/11	13
08/11	70
11/11	5.6
02/12	58
04/12	380
08/12	170
11/12	0.50 U
02/13	230 J
06/13	540

MW-35	
05/11	0.07 U
08/11	0.07 U
11/11	0.07 U
02/12	0.07 U
04/12	0.50 U
08/12	0.50 U
11/12	0.50 U
02/13	0.50 U
06/13	0.50 U

MW-2	
05/11	0.07 U
08/11	0.07 U
11/11	0.07 U
02/12	0.07 U
04/12	0.50 U
08/12	0.50 U
11/12	0.50 U
02/13	0.50 U
06/13	0.50 U

EW Composite	
02/11	560
05/11	320
08/11	710
11/11	710
02/12	650
05/12	770
08/12	550
11/12	690
02/13	820 J
06/13	590

NOTES:

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

CLIENT: J.H. BAXTER

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

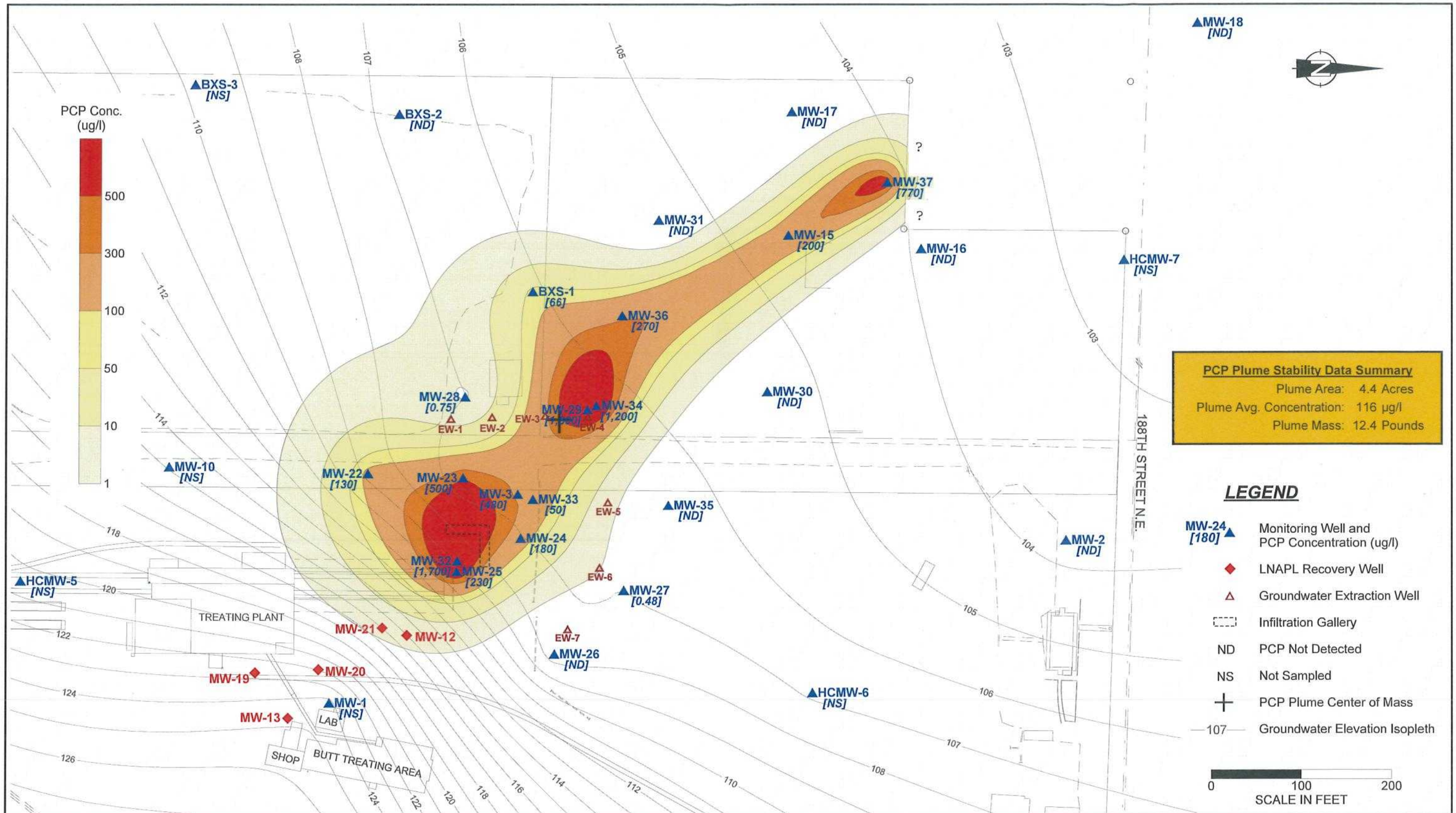
DWN BY: PM
CHK'D BY: SB
DATUM: -
PROJECTION: -
SCALE: 1"=150'

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

TITLE: PENTACHLOROPHENOL IN GROUNDWATER MAY 2011 - JUNE 2013

DATE: AUGUST 2013
PROJECT NO.: 361M125611
REV. NO.: A
FIGURE NO.: 7

K:\12000\12500\12561\125611\DWG\2Q2013\Figure 7-29-34 - 2Q2013.dwg - -7 - Dec. 06, 2013 10:57am - stephane.descombes



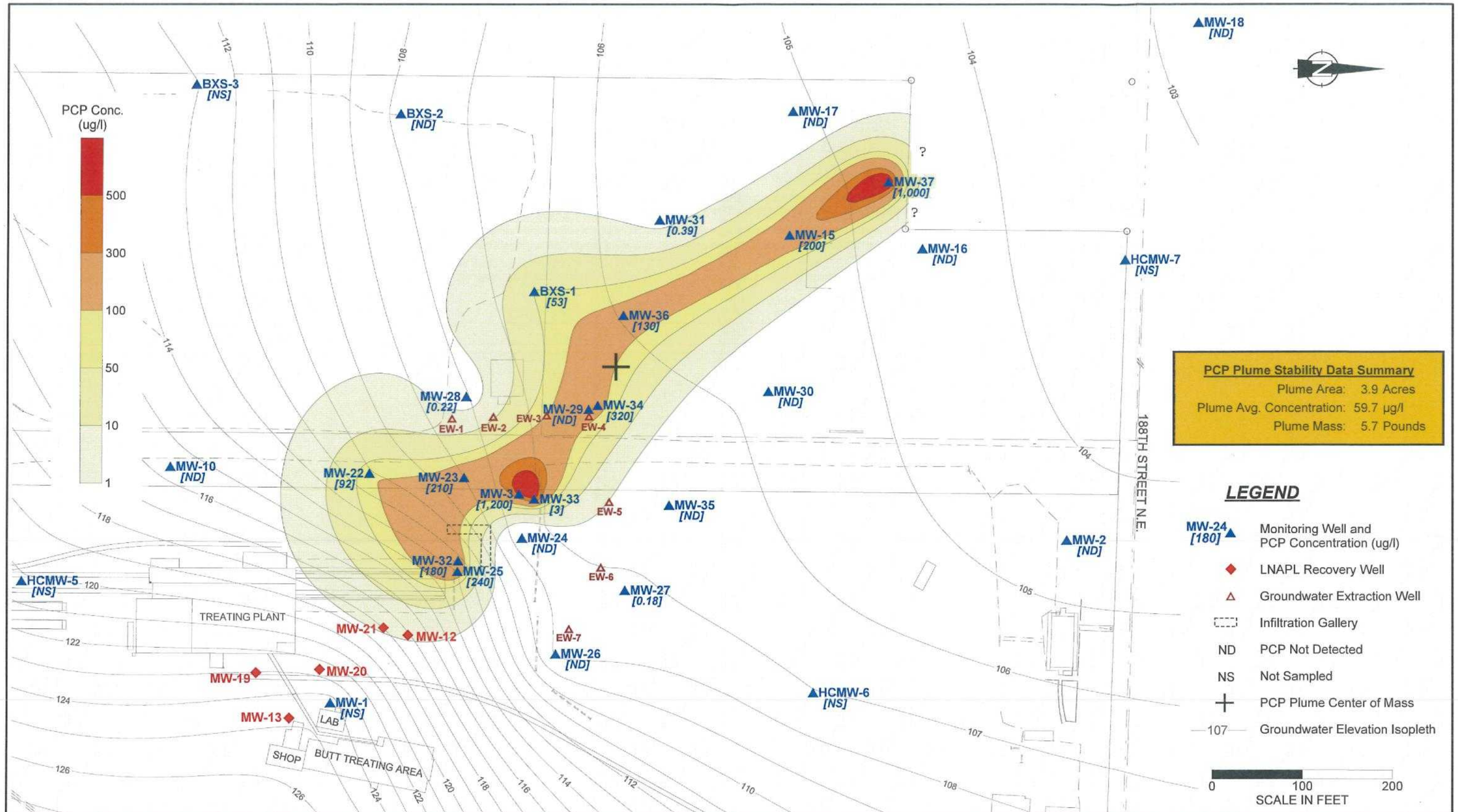
PREMIER ENVIRONMENTAL SERVICES, INC

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

Prepared By: JAR

Date: 08/28/13

Figure 8



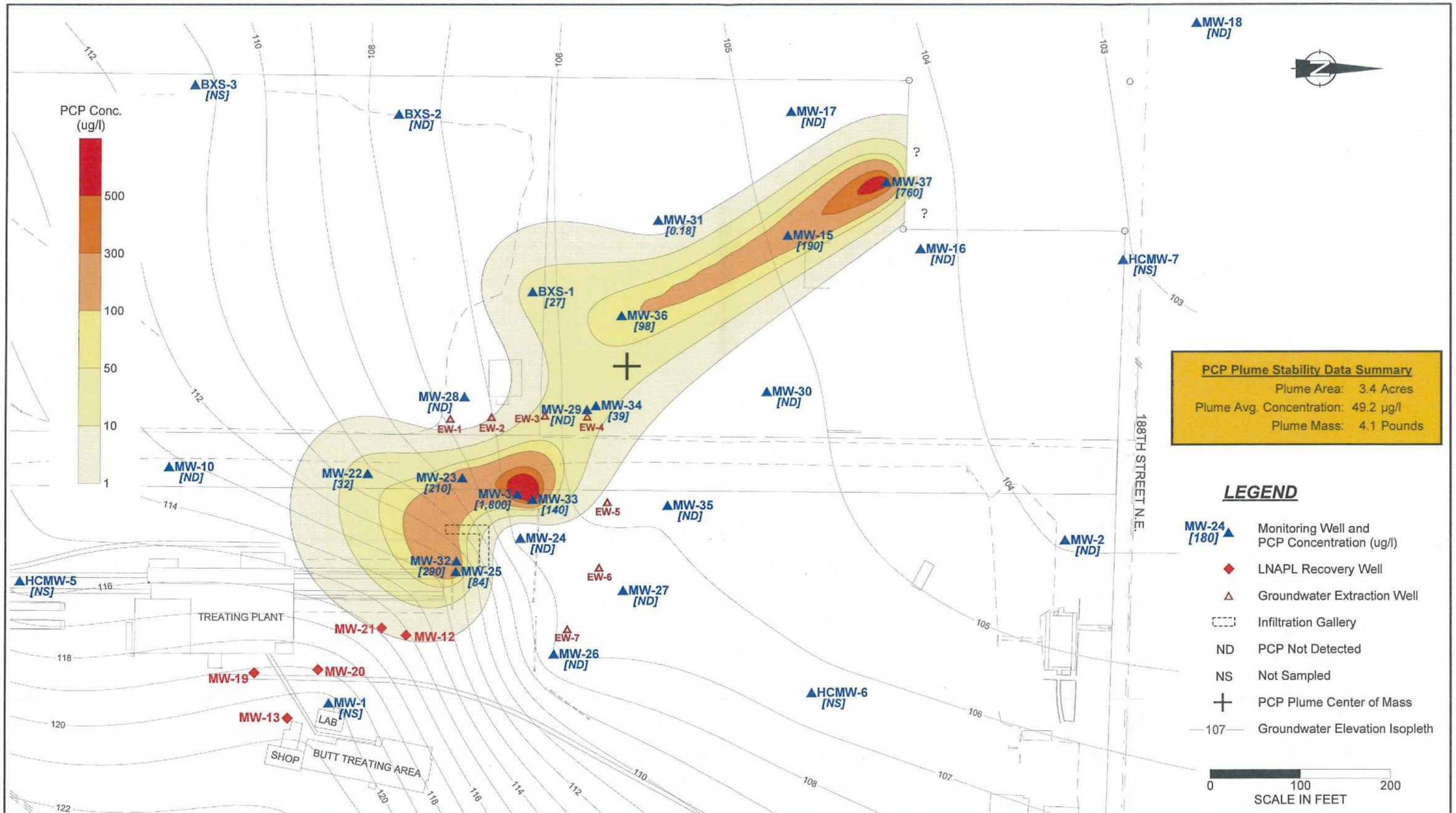
PREMIER ENVIRONMENTAL SERVICES, INC

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

Prepared By: JAR

Date: 08/28/13

Figure 9



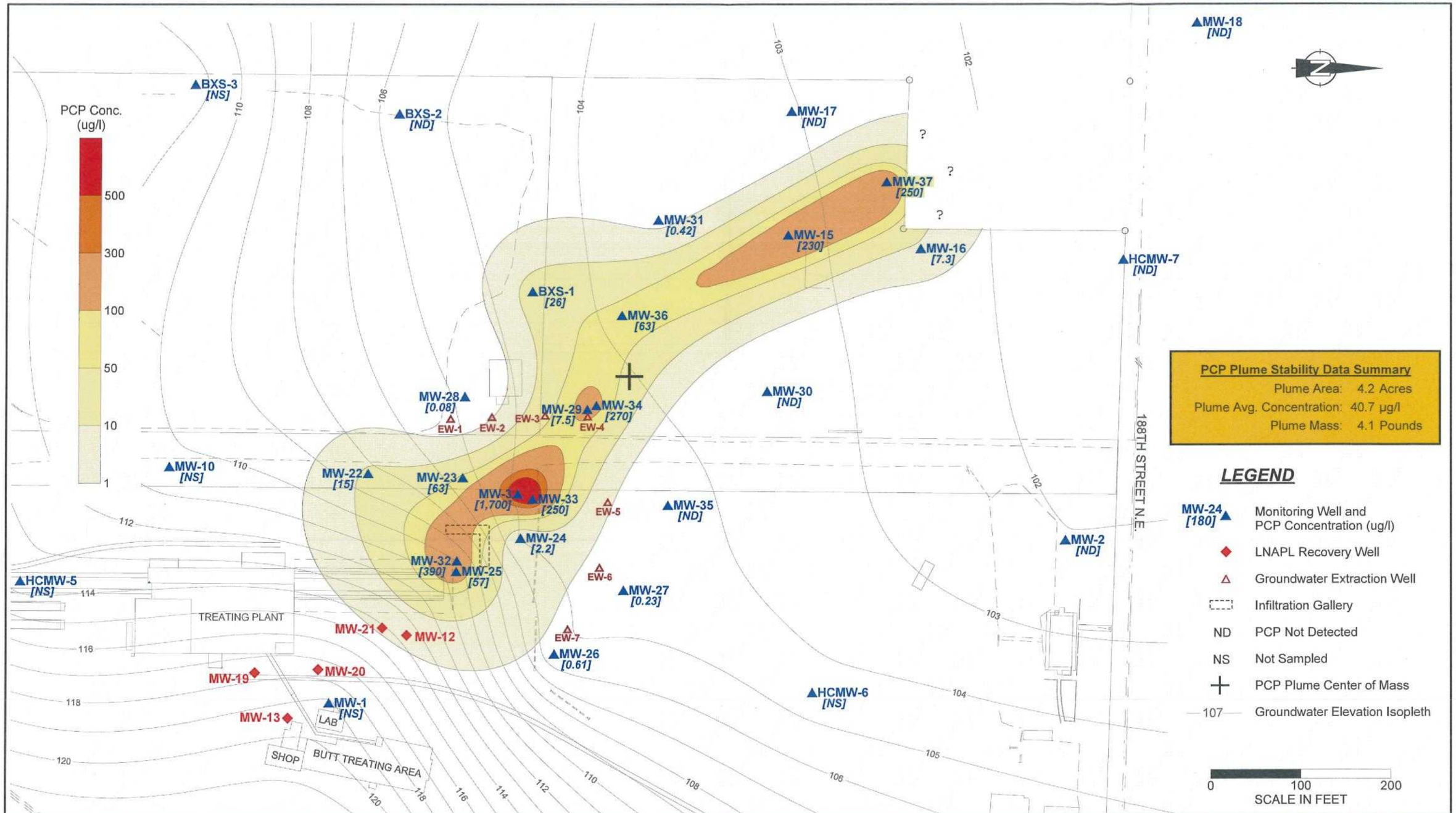
PREMIER ENVIRONMENTAL SERVICES, INC

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

Prepared By: JAR

Date: 08/28/13

Figure 10



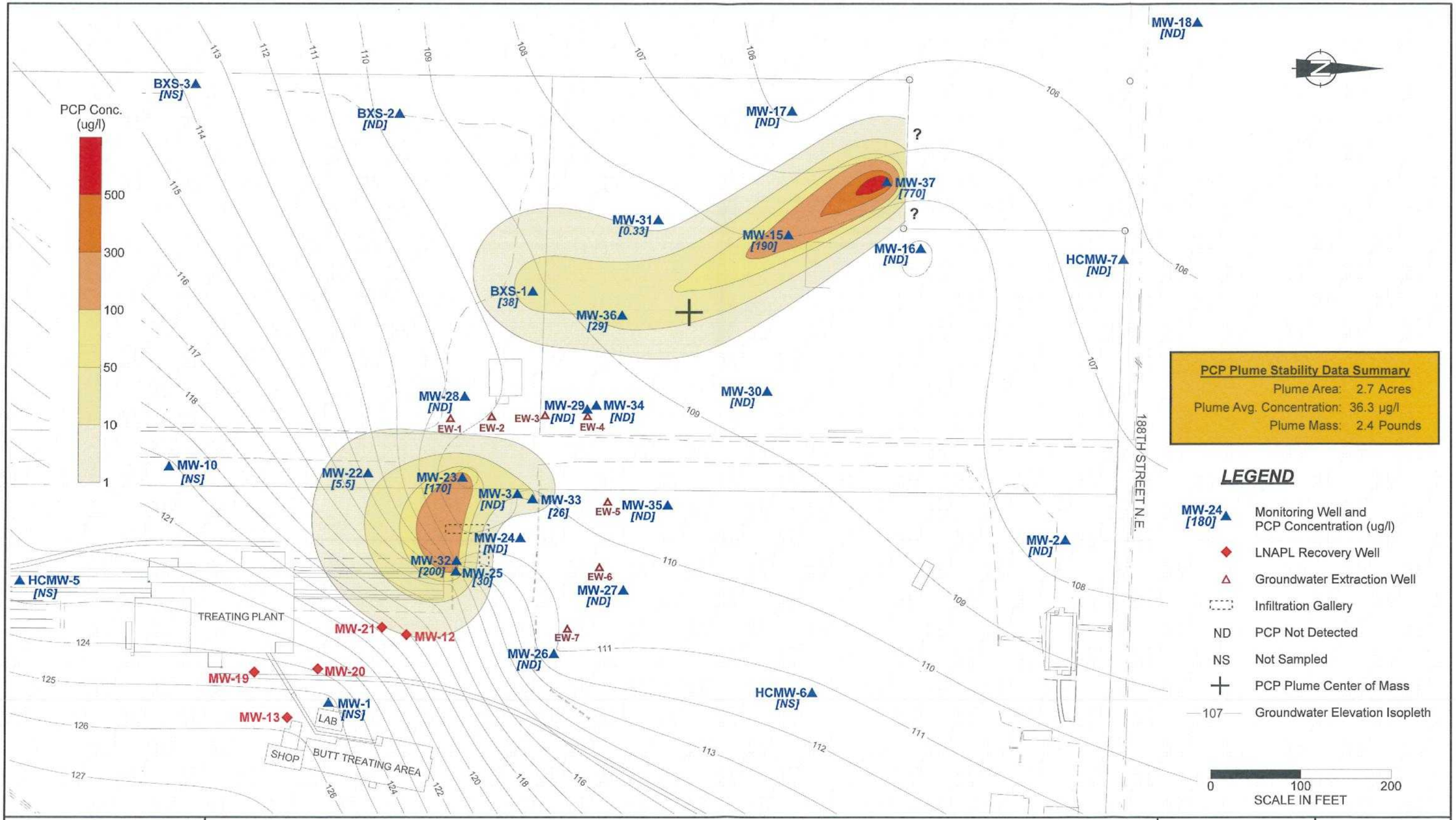
PREMIER ENVIRONMENTAL SERVICES, INC

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

Prepared By: JAR

Date: 08/28/13

Figure 11



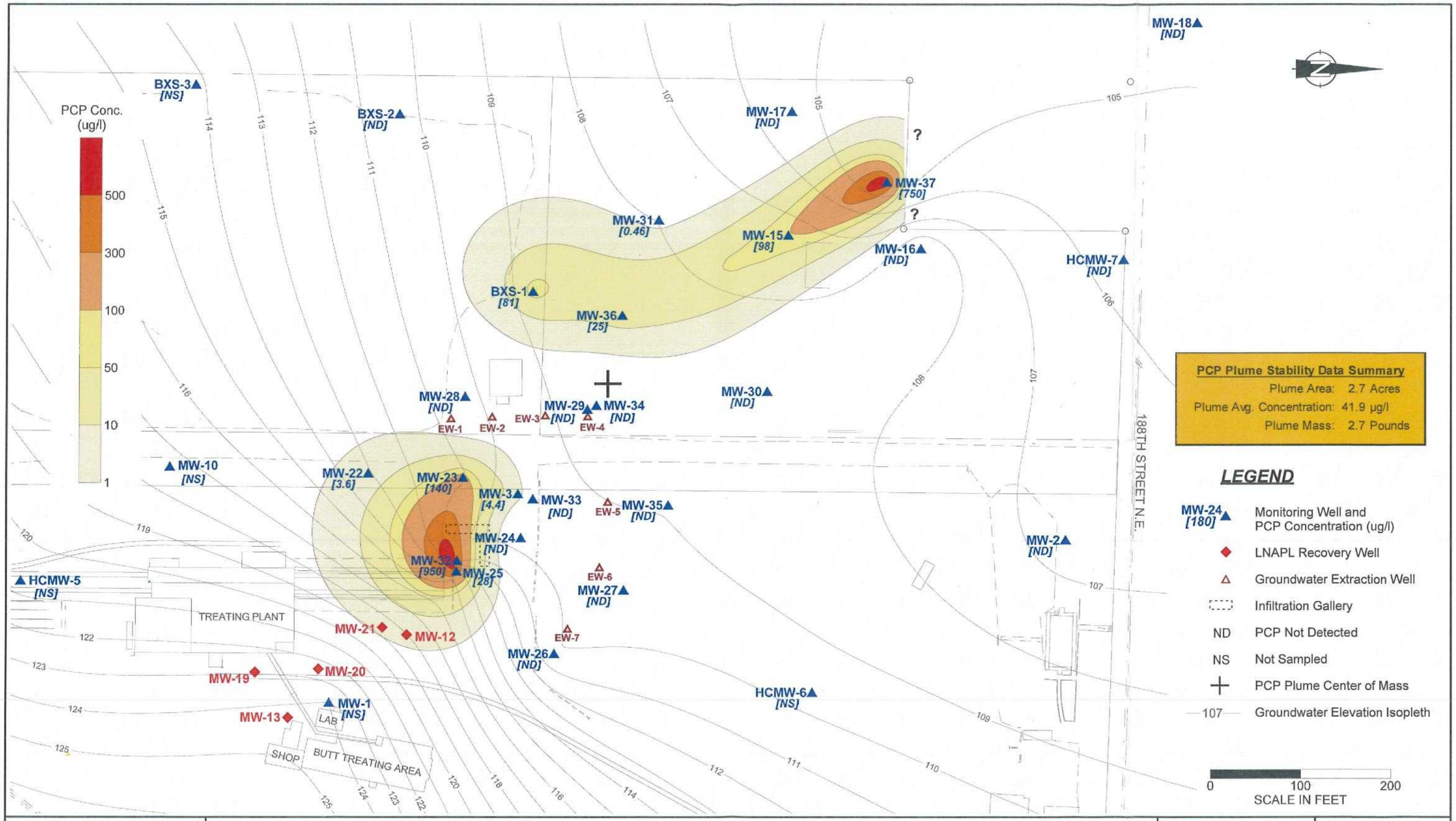
PREMIER ENVIRONMENTAL SERVICES, INC

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

Prepared By: JAR

Date: 05/13/09

Figure 11



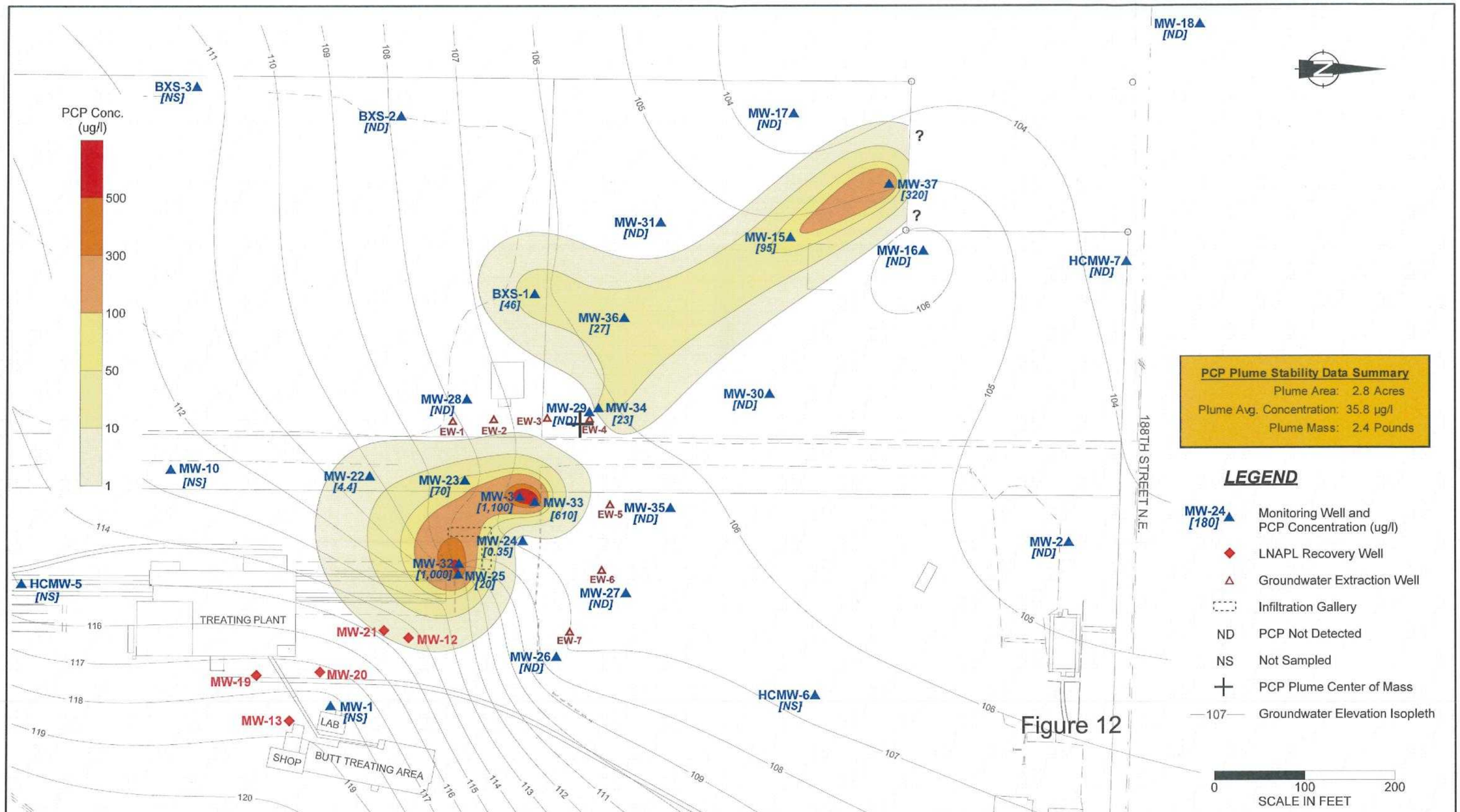
PREMIER ENVIRONMENTAL SERVICES, INC

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

Prepared By: JAR

Date: 08/28/13

Figure 13



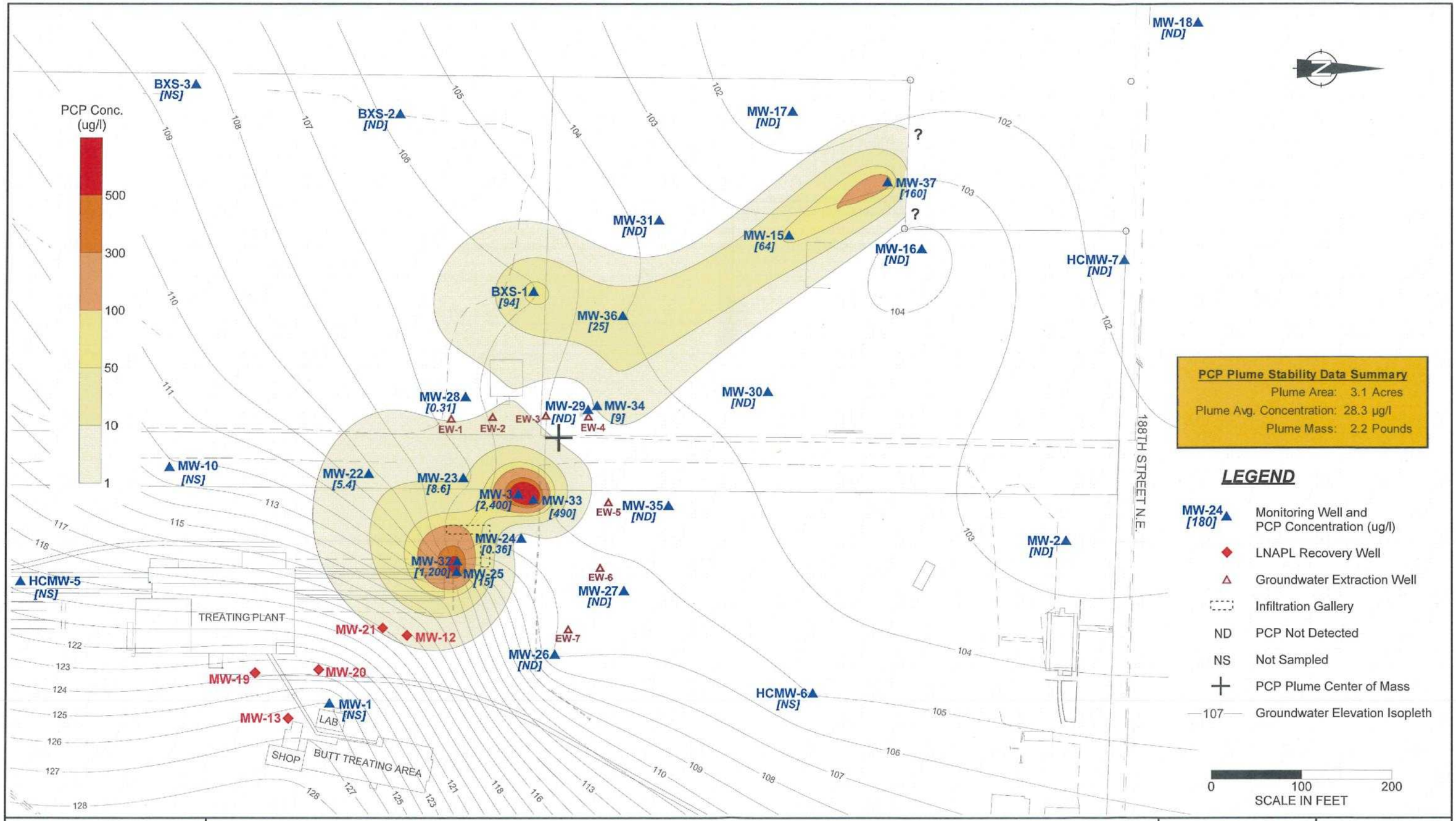
PREMIER ENVIRONMENTAL SERVICES, INC

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

Prepared By: JAR

Date: 08/28/13

Figure 14



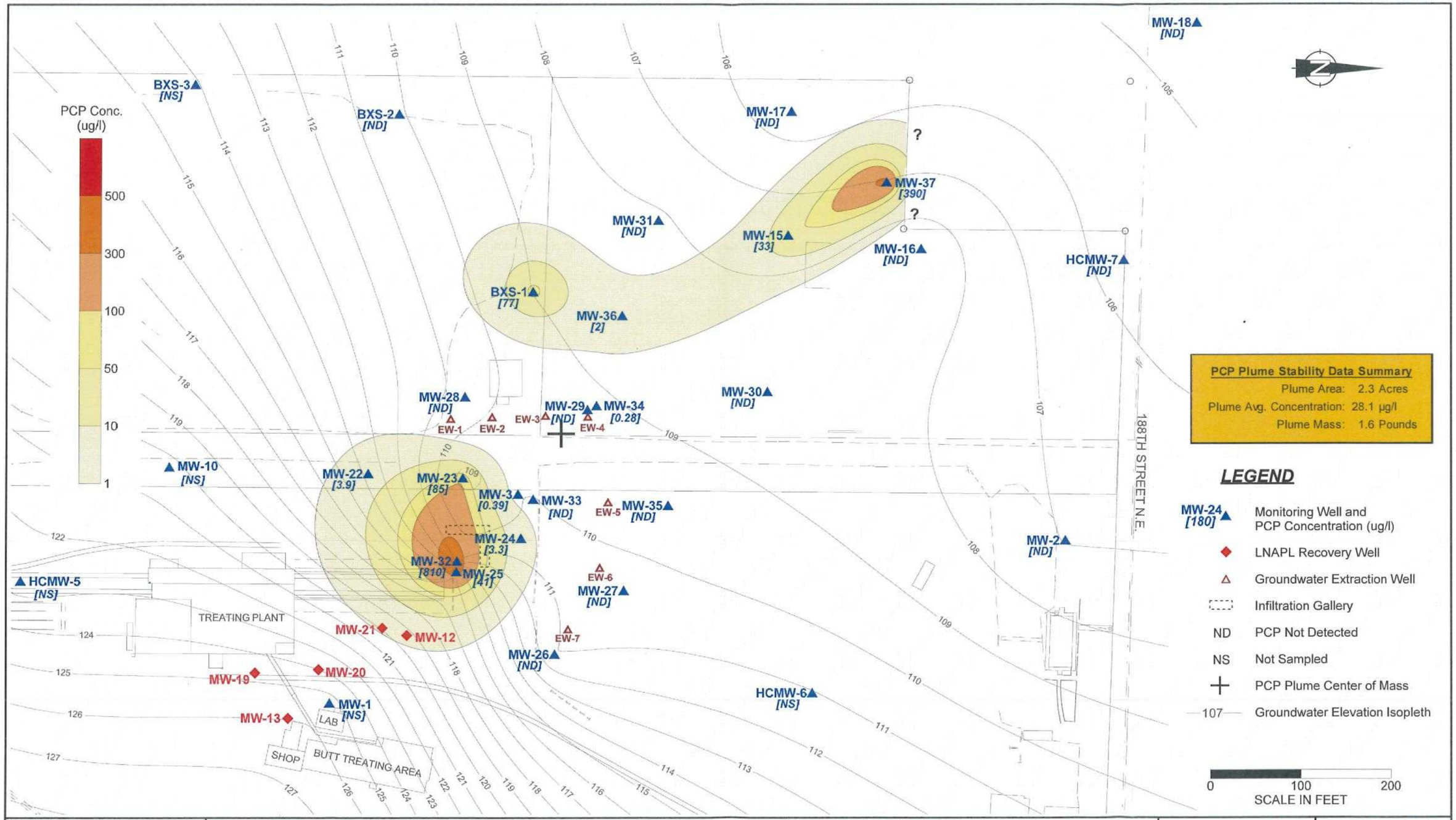
PREMIER ENVIRONMENTAL SERVICES, INC

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

Prepared By: JAR

Date: 08/28/13

Figure 15



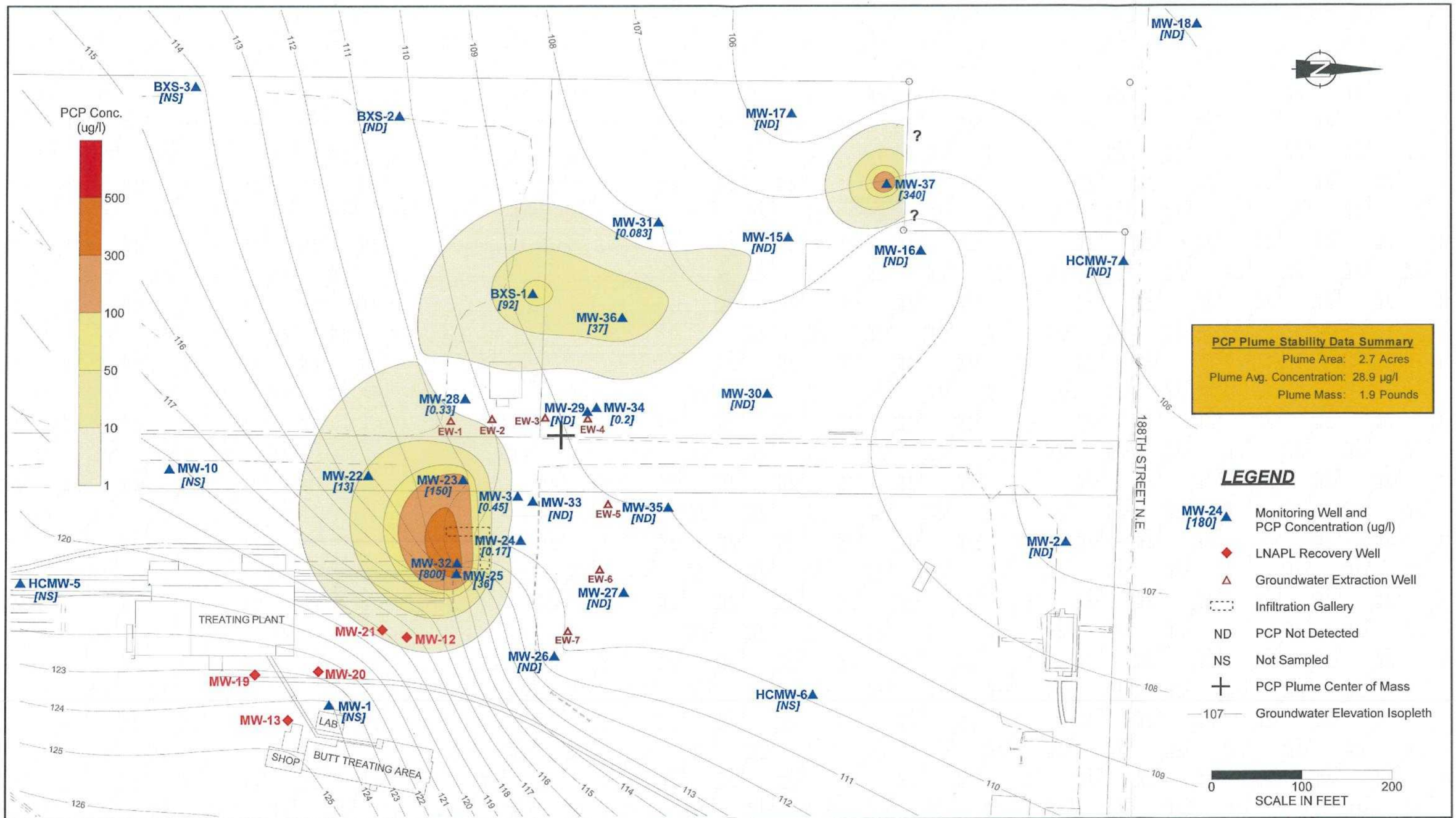
PREMIER ENVIRONMENTAL SERVICES, INC

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

Prepared By: JAR

Date: 08/28/13

Figure 16



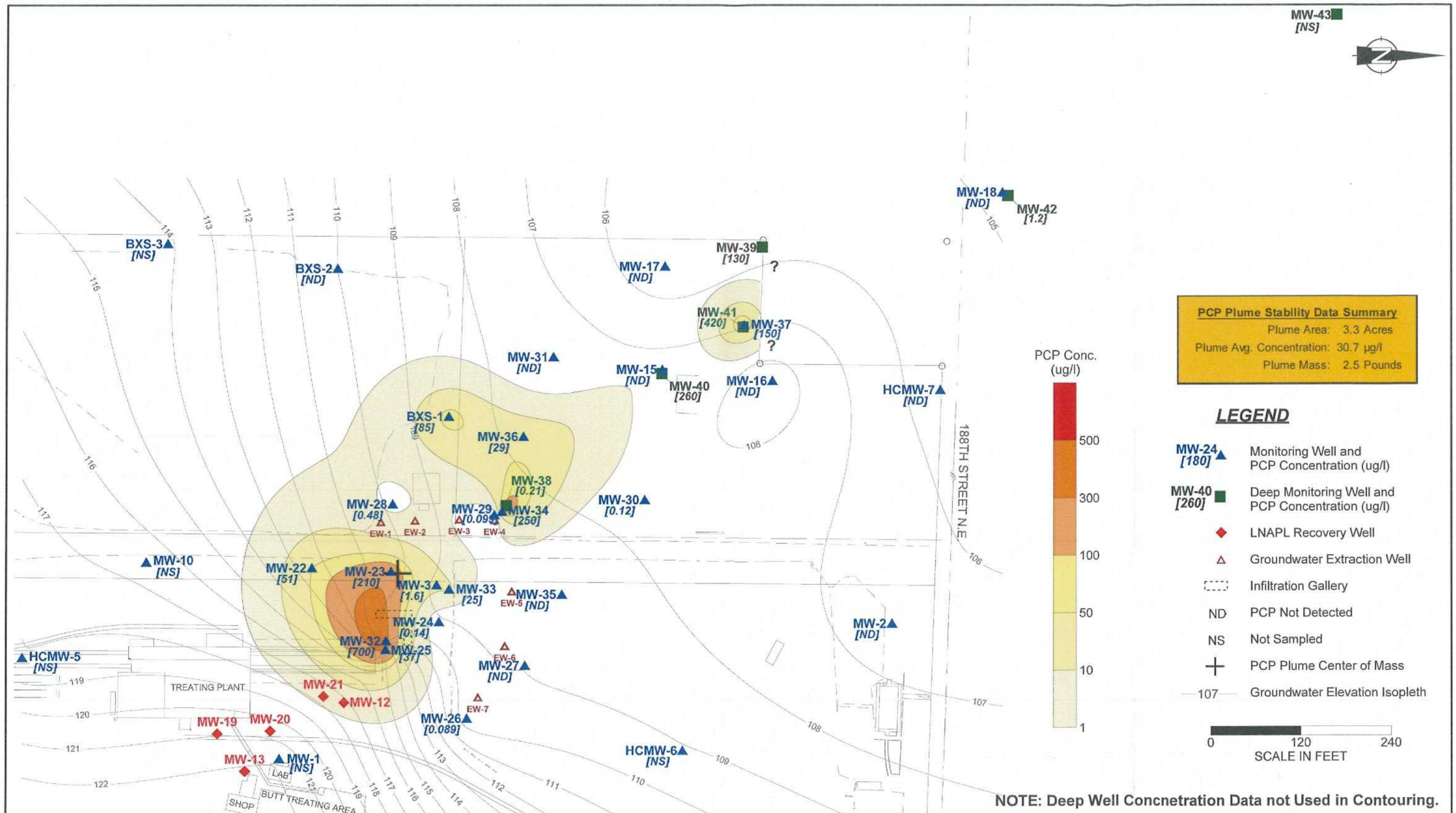
PREMIER ENVIRONMENTAL SERVICES, INC

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

Prepared By: JAR

Date: 08/28/13

Figure 17



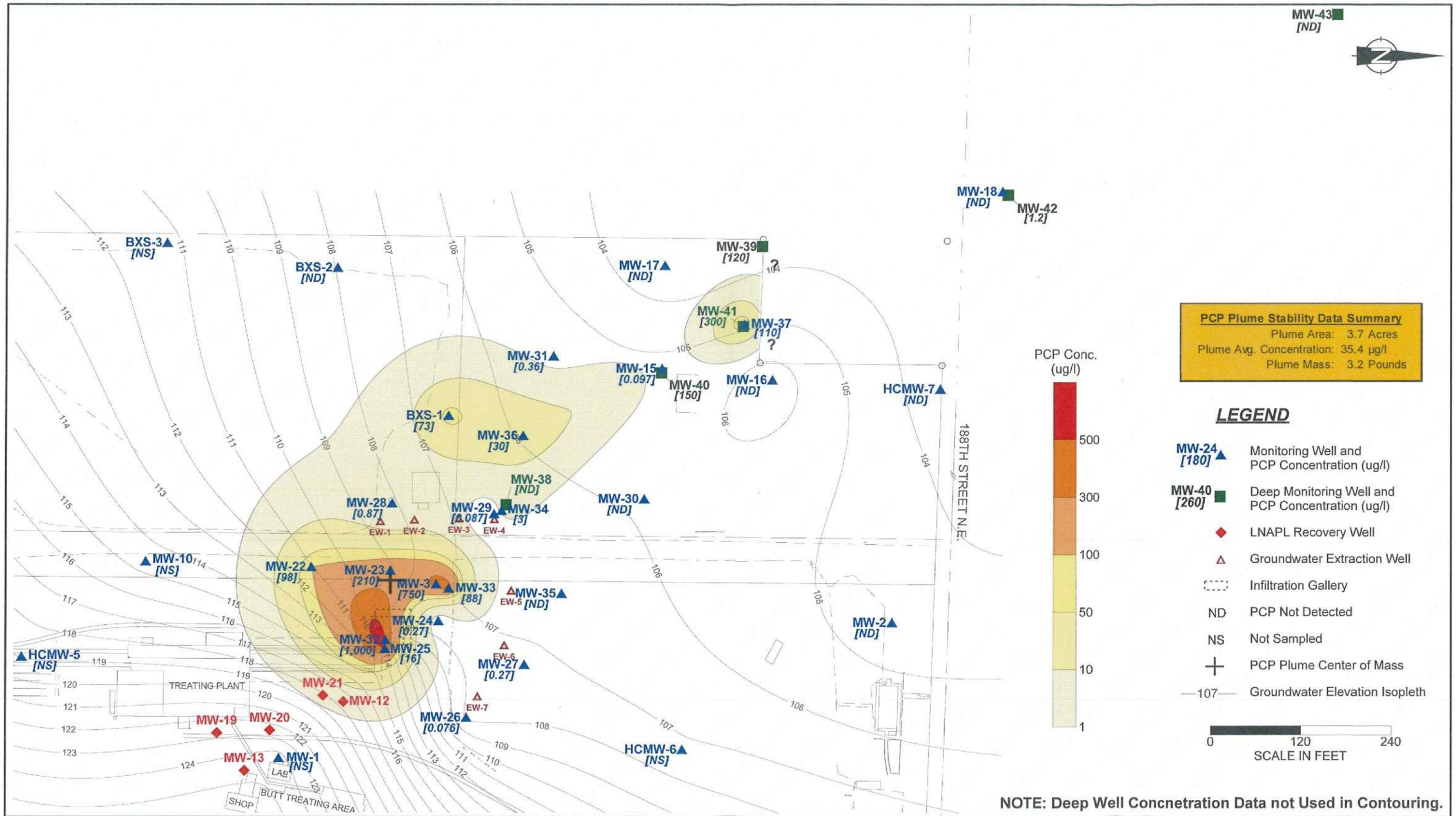
PREMIER ENVIRONMENTAL SERVICES, INC

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

Prepared By: JAR

Date: 08/28/13

Figure 18



NOTE: Deep Well Concnetration Data not Used in Contouring.

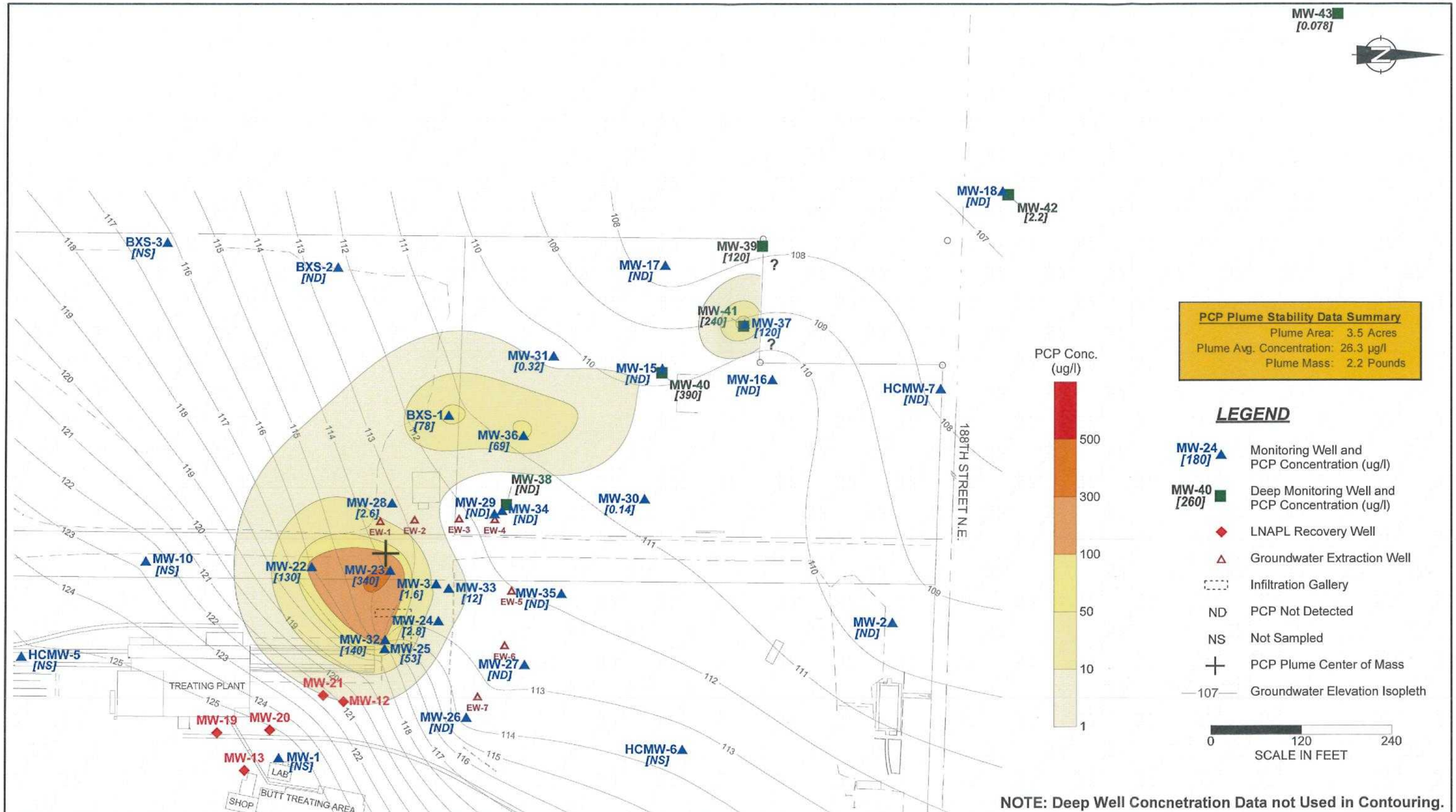
PREMIER ENVIRONMENTAL SERVICES, INC

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

Prepared By: JAR

Date: 08/28/13

Figure 19



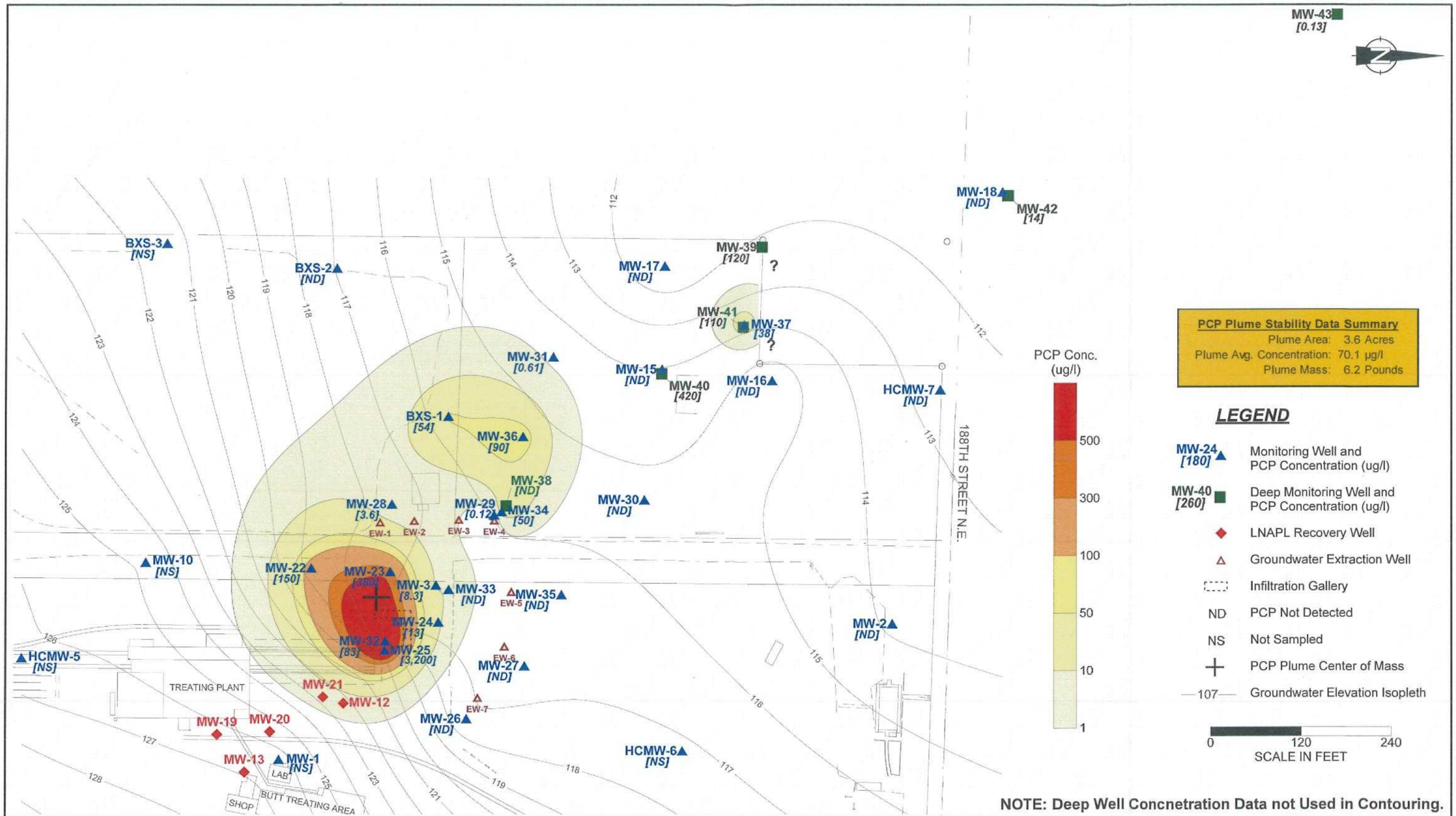
PREMIER ENVIRONMENTAL SERVICES, INC

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

Prepared By: JAR

Date: 08/28/13

Figure 20



NOTE: Deep Well Concnetration Data not Used in Contouring.

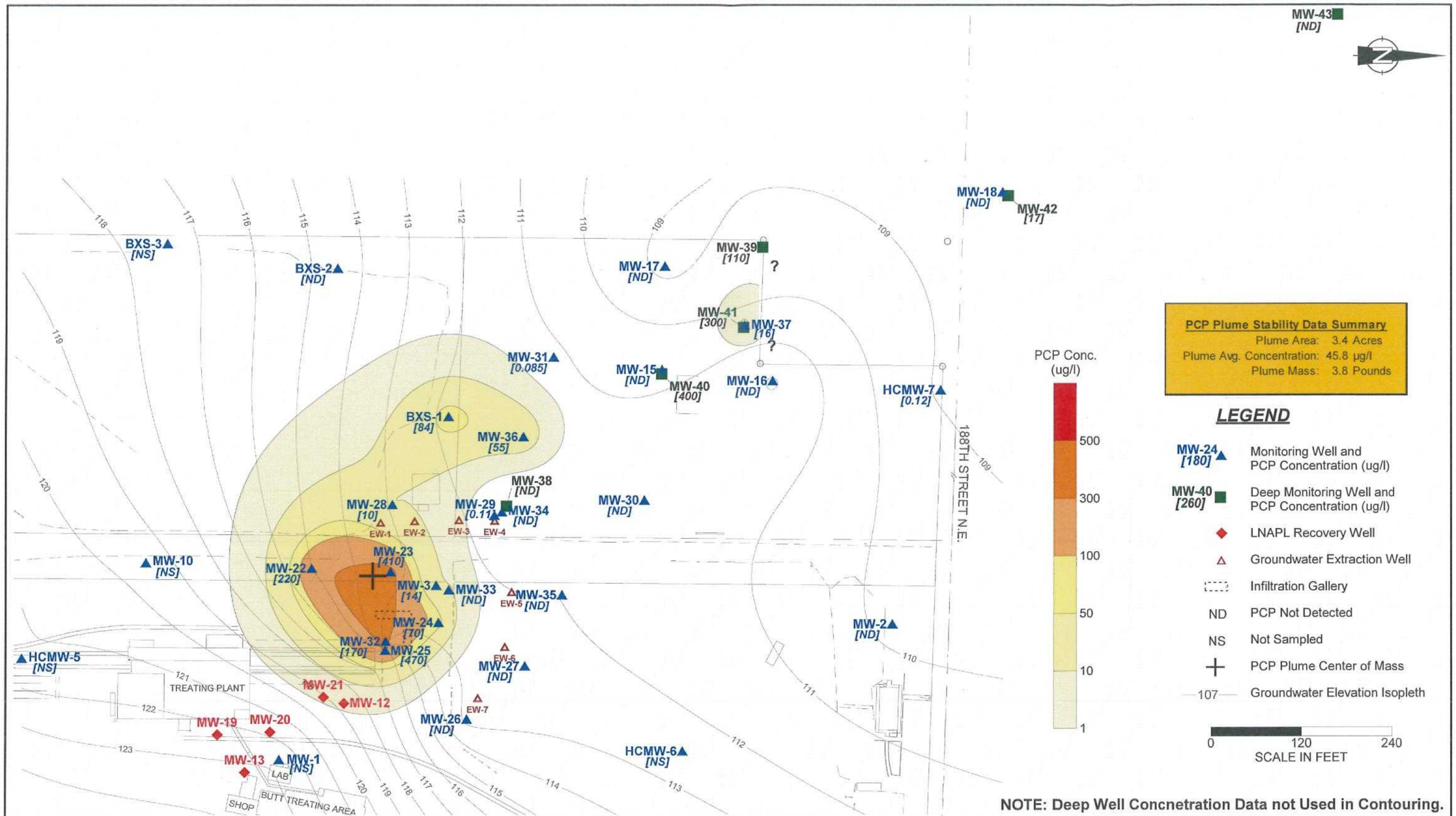
EARTHCON
Environmental Challenges
BUSINESS SOLUTIONS

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

Prepared By: JAR

Date: 08/28/13

Figure 21



NOTE: Deep Well Concnetration Data not Used in Contouring.

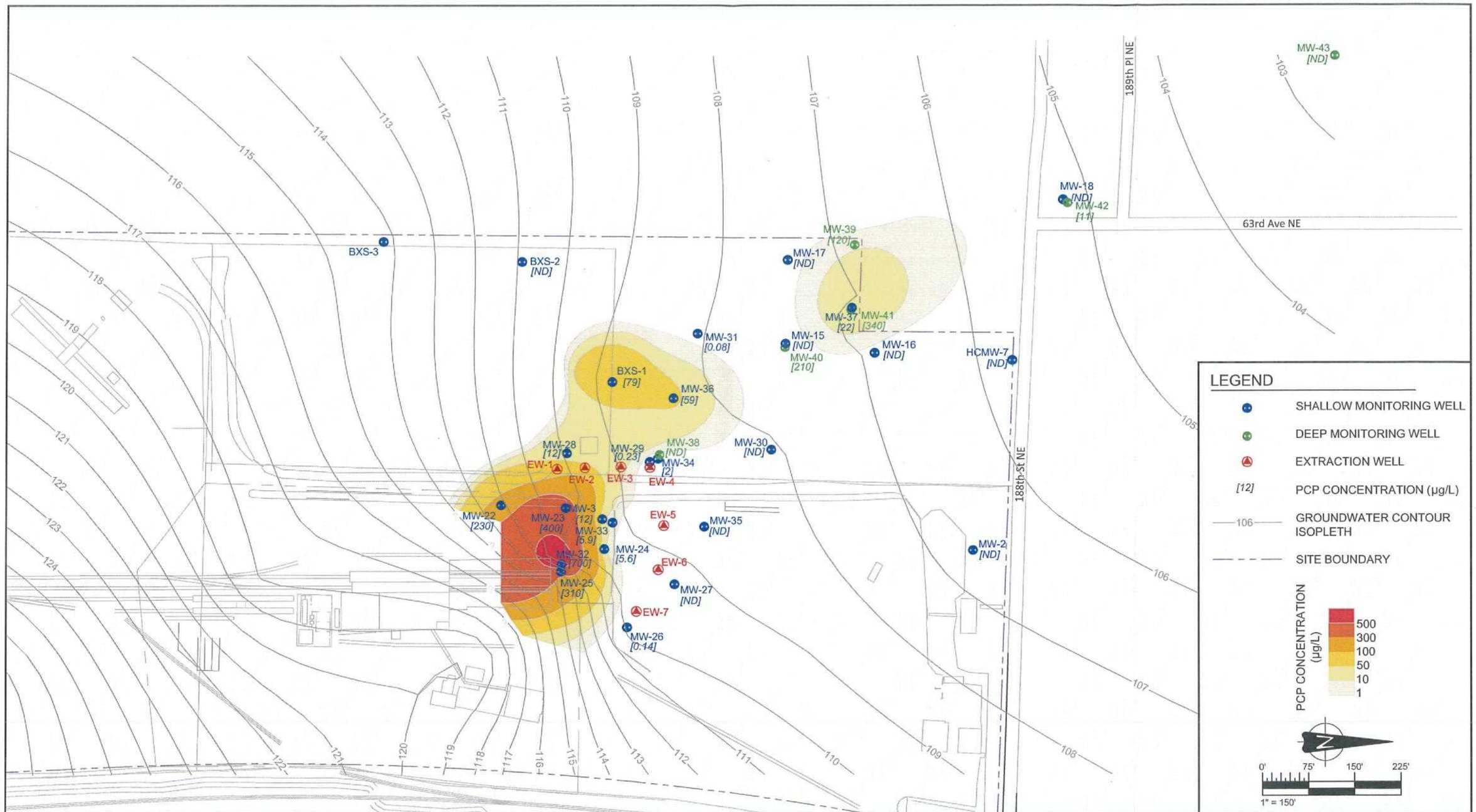
EARTHCON
Environmental Challenges
BUSINESS SOLUTIONS

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

Prepared By: KMG

Date: 08/28/13

Figure 22



NOTES:
UNITS µg/L
ND Undetected
NA Not Analyzed

Baxter

CLIENT: J.H. BAXTER

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

amec

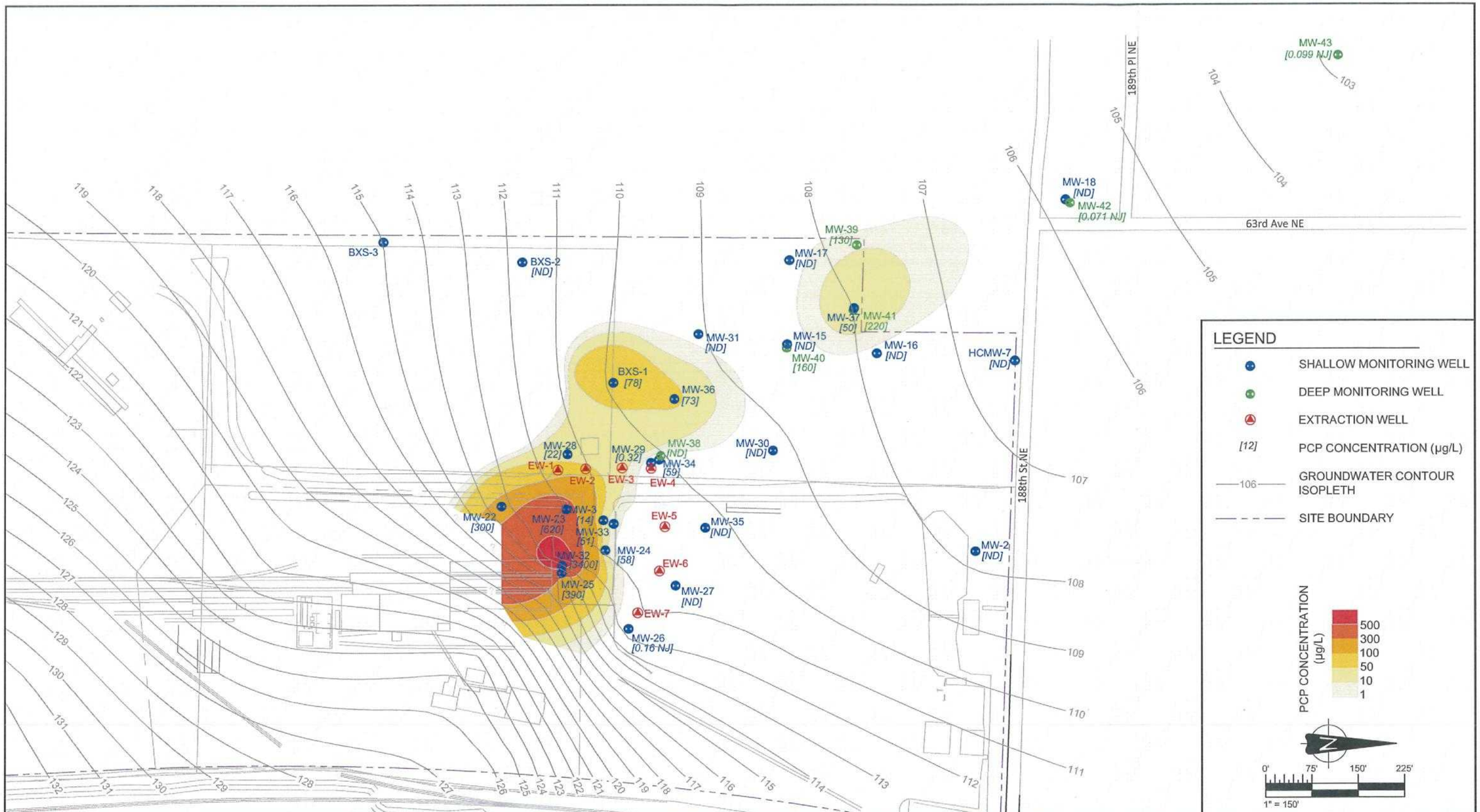
DWN BY:	PM
CHK'D BY:	SB
DATUM:	-
PROJECTION:	-
SCALE:	1"=150'

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

TITLE: PENTACHLOROPHENOL ISOPLETH MAP
NOVEMBER 2011

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

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



NOTES:

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

CLIENT: J.H. BAXTER

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

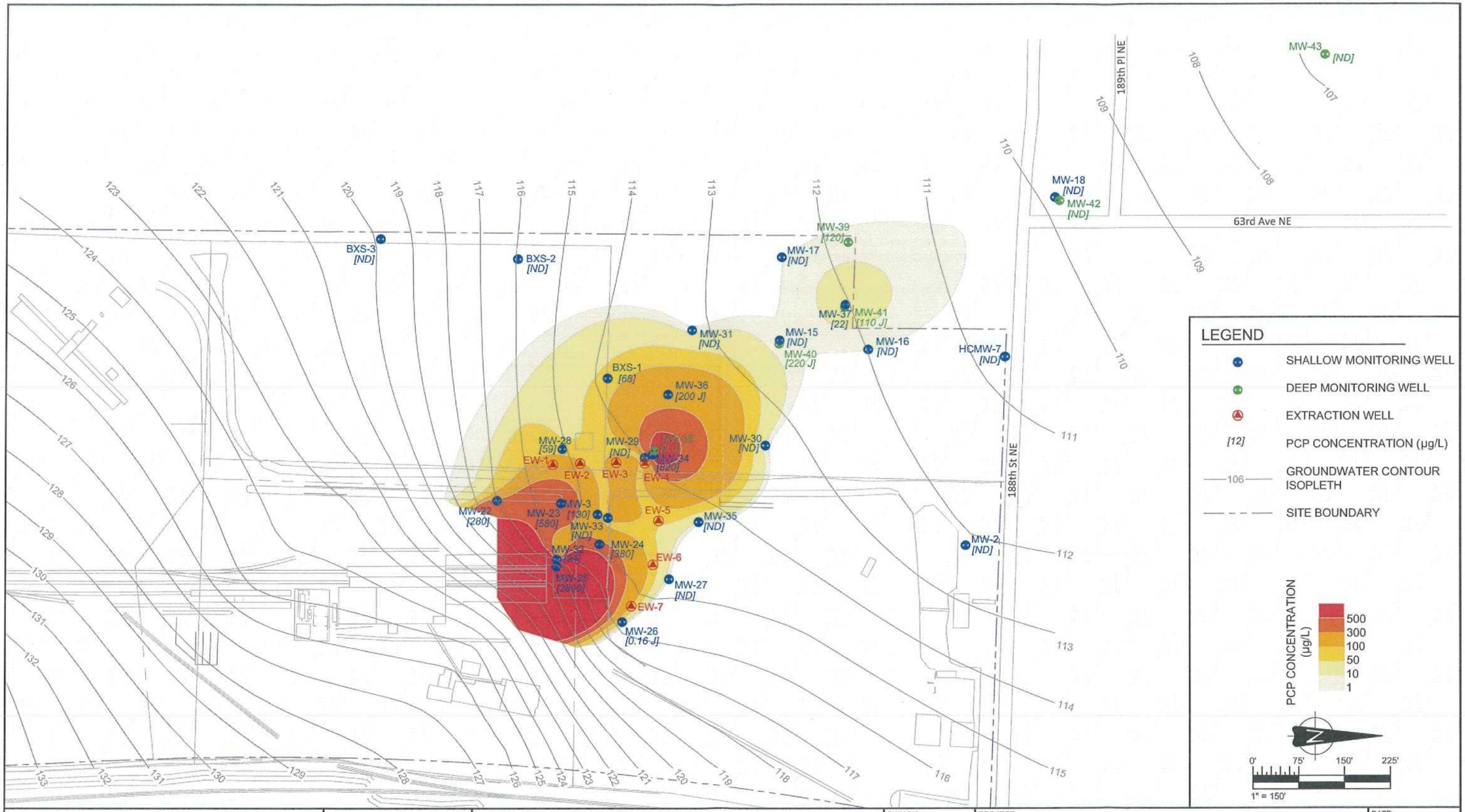
DWN BY:	PM
CHK'D BY:	SB
DATUM:	-
PROJECTION:	-
SCALE:	1"=150'

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

TITLE: PENTACHLOROPHENOL ISOPLETH MAP
FEBRUARY 2012

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

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



NOTES:

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

CLIENT: J.H. BAXTER

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

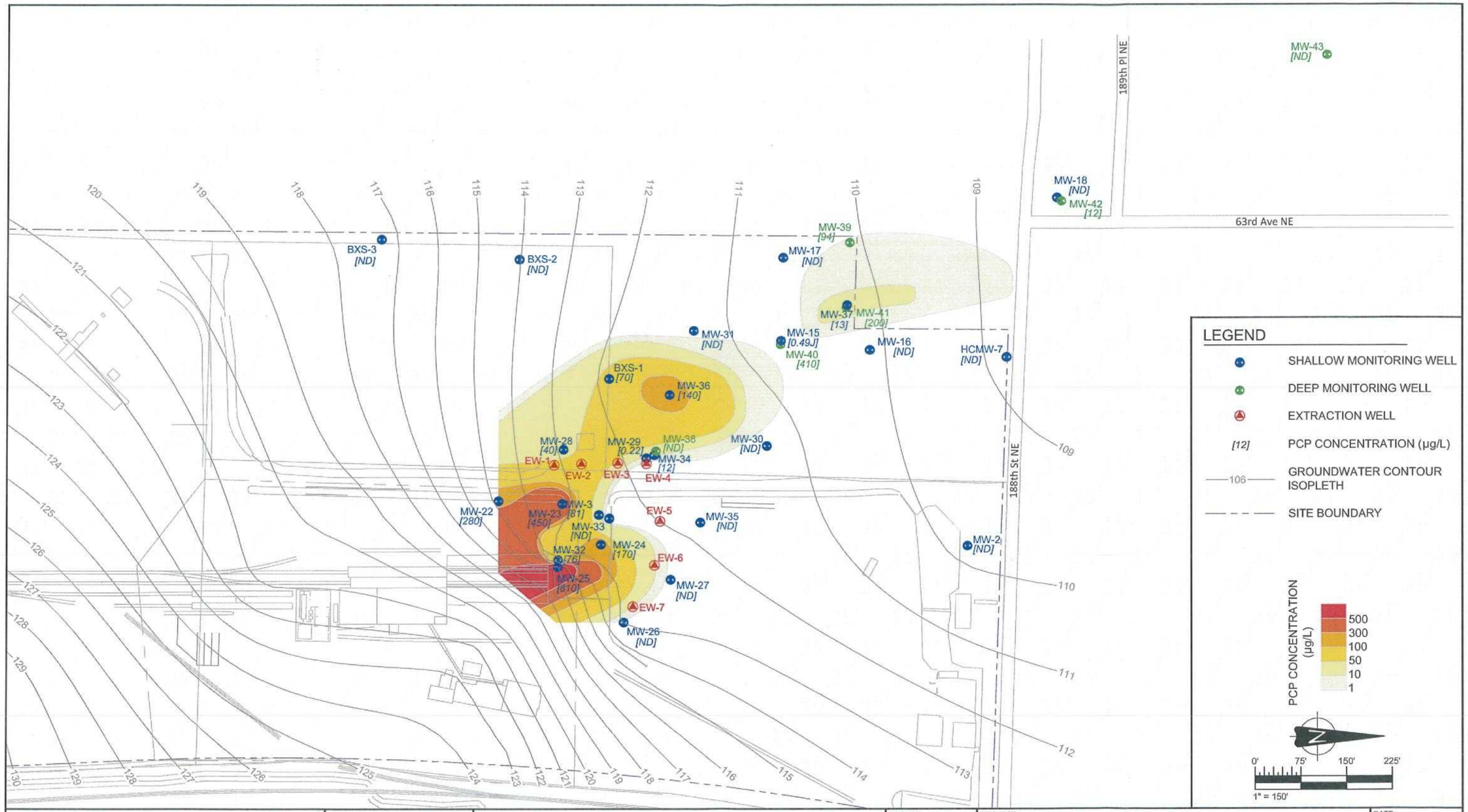
DWN BY:	PM
CHK'D BY:	SB
DATUM:	-
PROJECTION:	-
SCALE:	1"=150'

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

TITLE: PENTACHLOROPHENOL ISOPLETH MAP MAY 2012

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

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



NOTES:

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

CLIENT: J.H. BAXTER

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

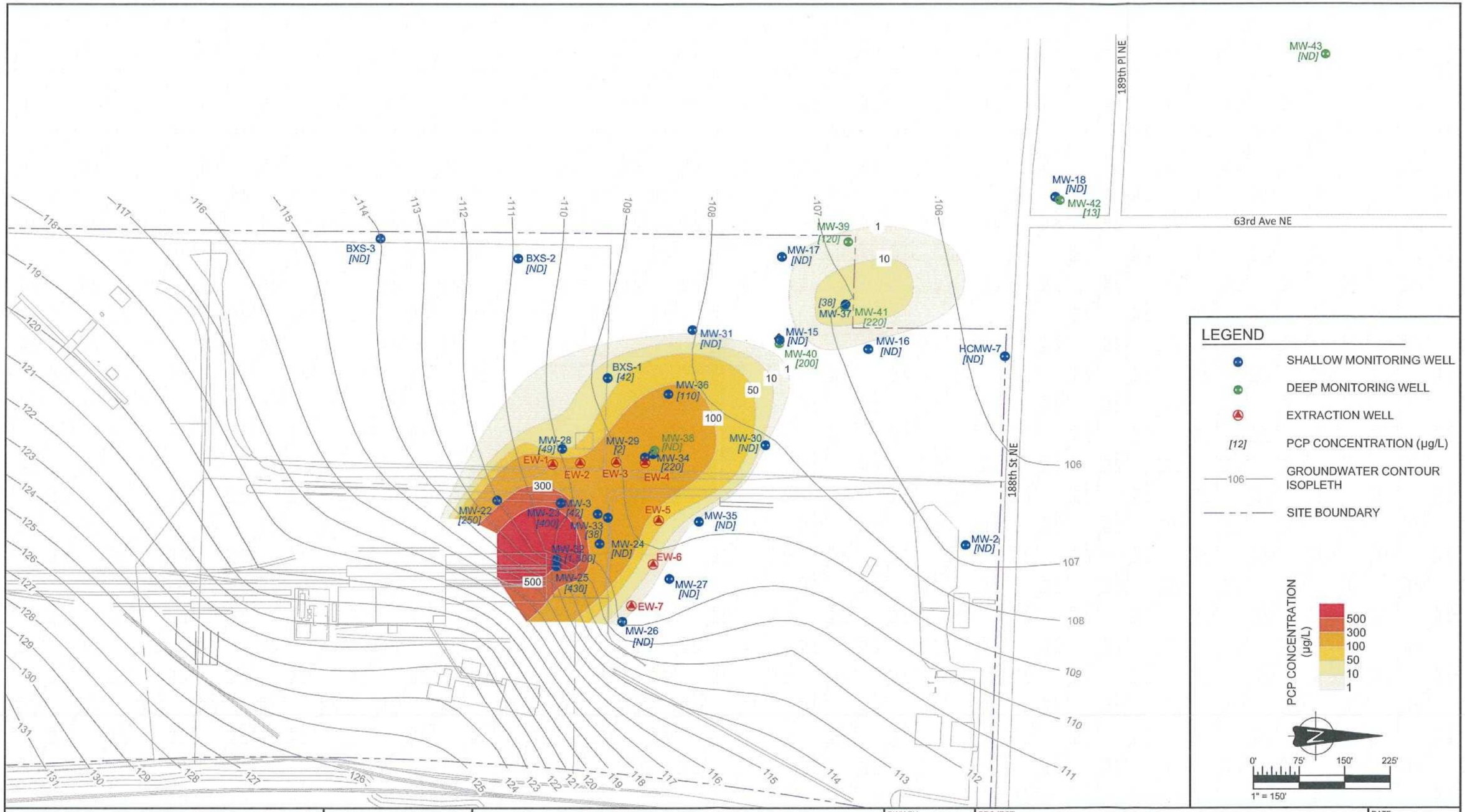
DWN BY:	PM
CHK'D BY:	SB
DATUM:	-
PROJECTION:	-
SCALE:	1"=150'

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

TITLE: PENTACHLOROPHENOL ISOPLETH MAP
AUGUST 2012

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

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



NOTES:

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

CLIENT: J.H. BAXTER

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

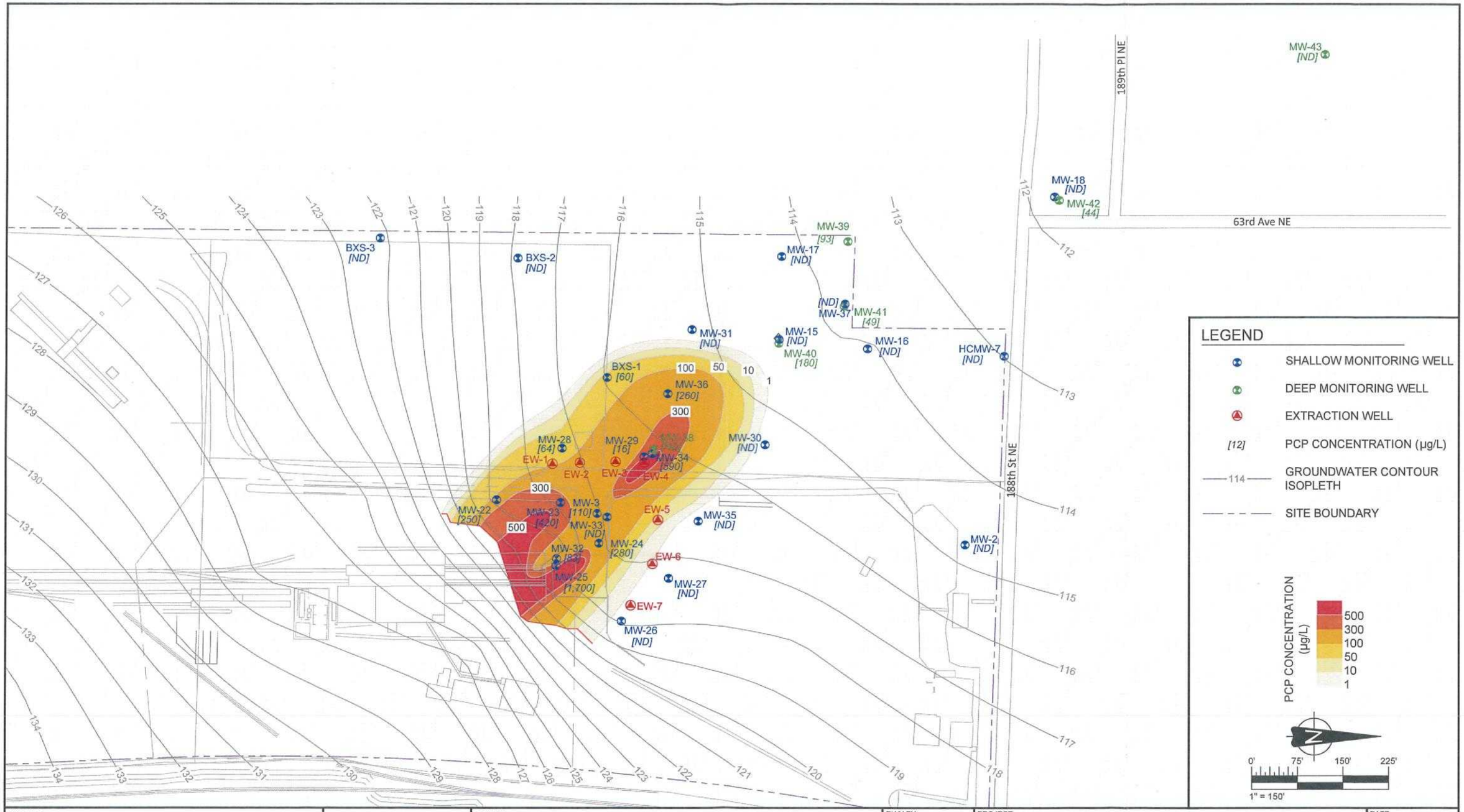
DWN BY:	PM
CHK'D BY:	SB
DATUM:	-
PROJECTION:	-
SCALE:	1"=150'

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

TITLE: PENTACHLOROPHENOL ISOPLETH MAP
NOVEMBER 2012

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

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



NOTES:

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

CLIENT: J.H. BAXTER

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

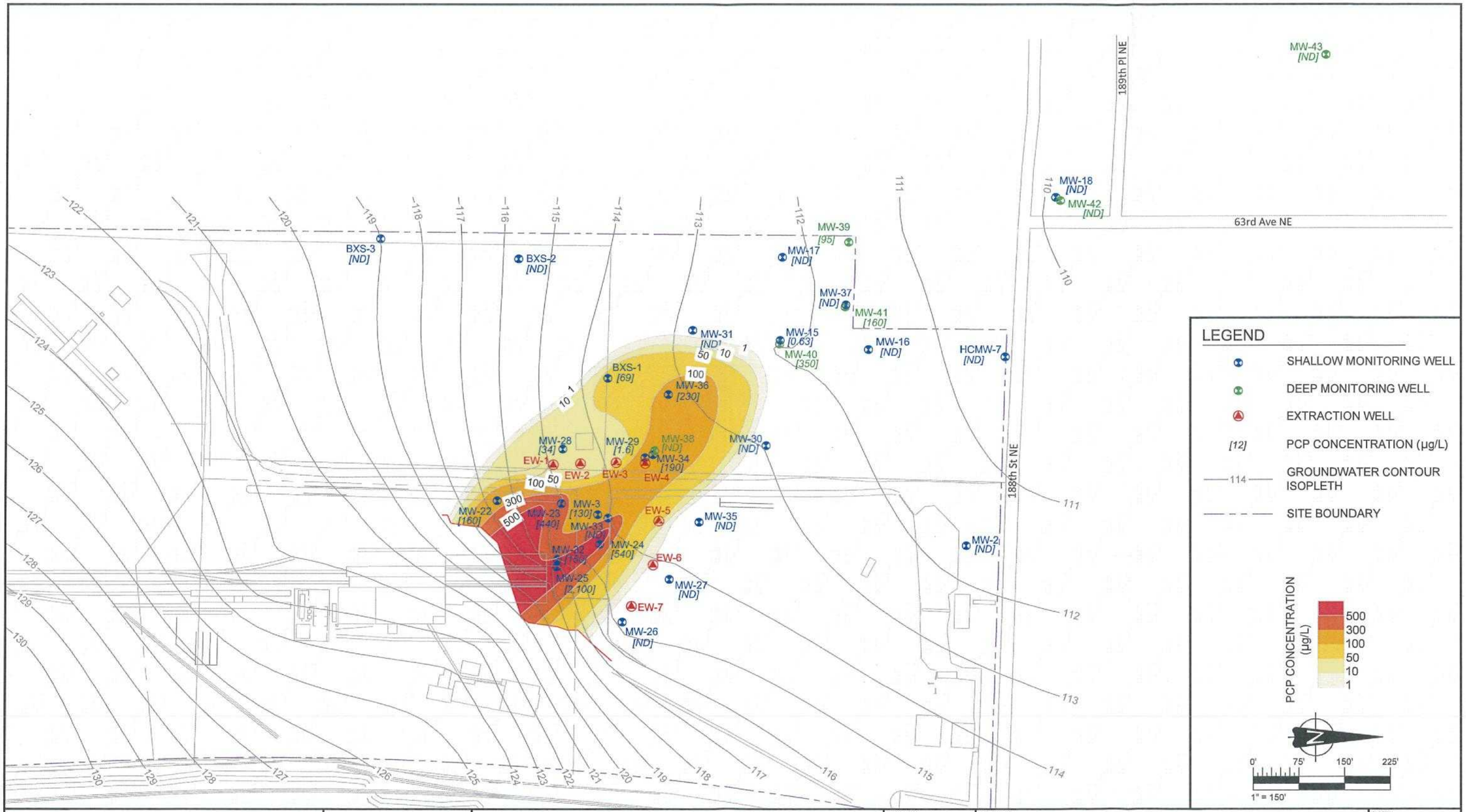
DWN BY:	PM
CHK'D BY:	SB
DATUM:	-
PROJECTION:	-
SCALE:	1"=150'

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

TITLE: PENTACHLOROPHENOL ISOPLETH MAP FEBRUARY 2013

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

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



NOTES:

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

CLIENT: J.H. BAXTER

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

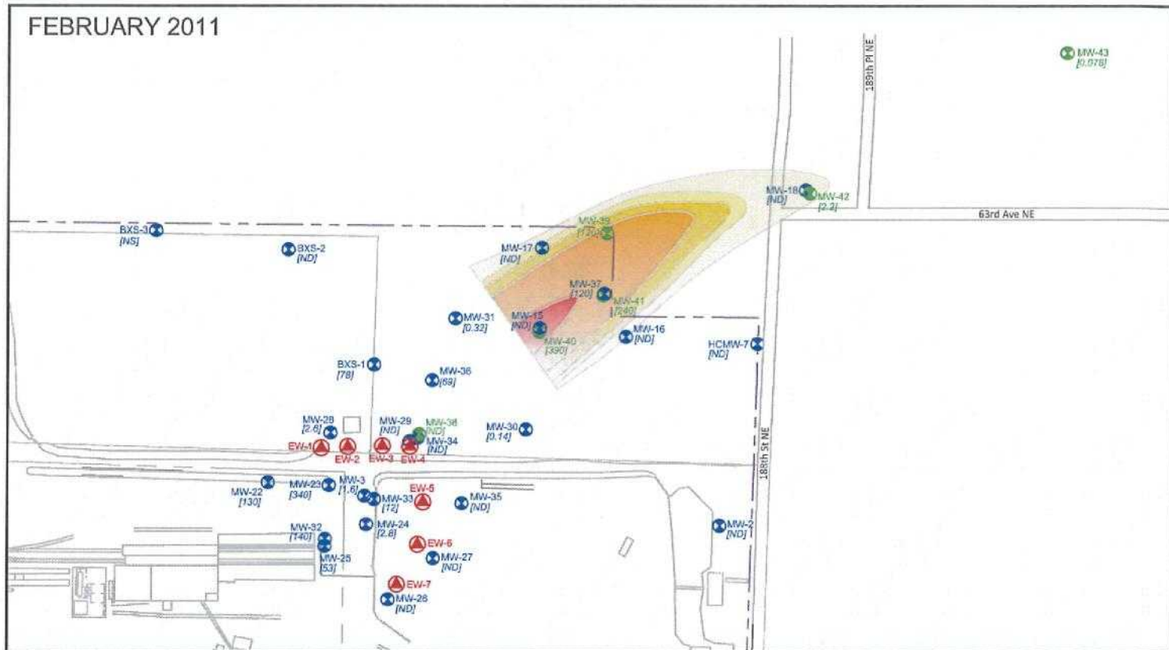
DWN BY:	PM
CHK'D BY:	SB
DATUM:	-
PROJECTION:	-
SCALE:	1"=150'

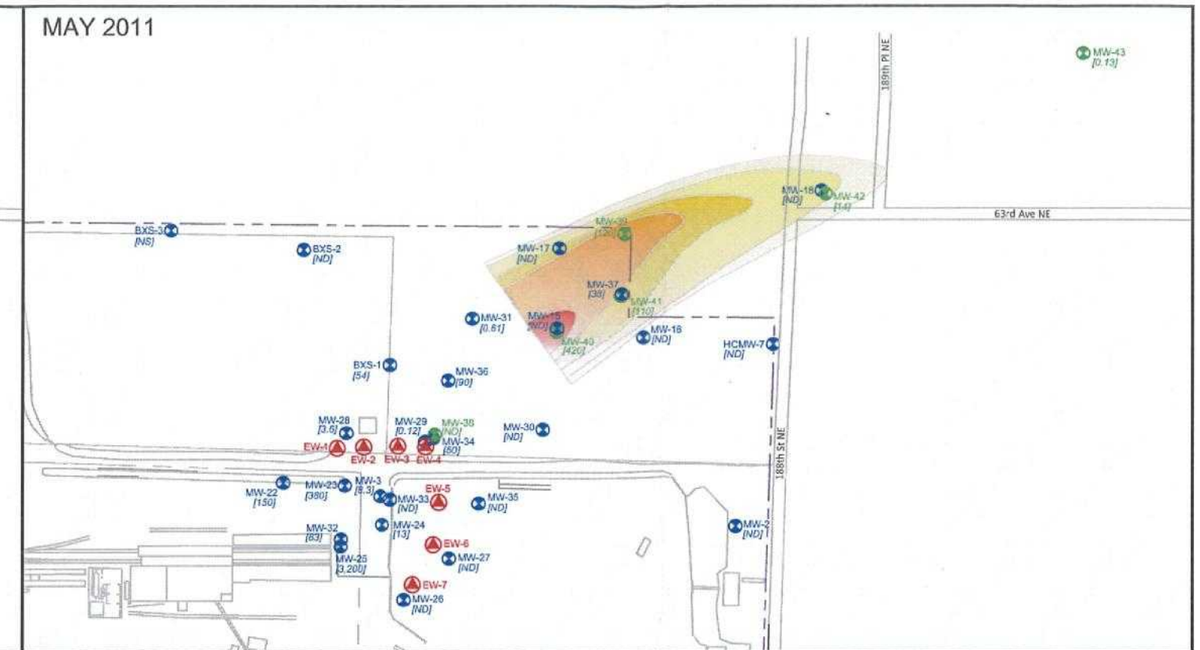
PROJECT: FORMER J.H. BAXTER AND CO.
WOOD TREATING FACILITY
ARLINGTON, WA

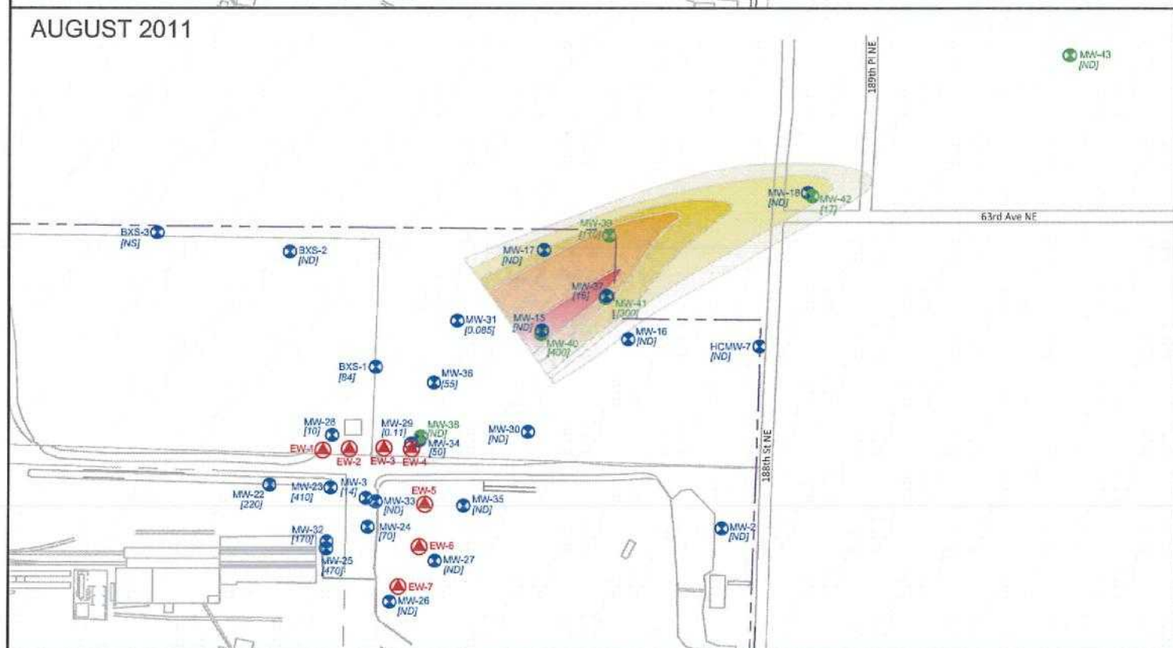
TITLE: PENTACHLOROPHENOL ISOPLETH MAP
JUNE 2013

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

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







LEGEND

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

PCP CONCENTRATION (µg/L)

500
300
100
50
10
1

NOTES:

UNITS	µg/L
ND	Undetected
NA	Not Analyzed

N

0' 175' 250' 325'

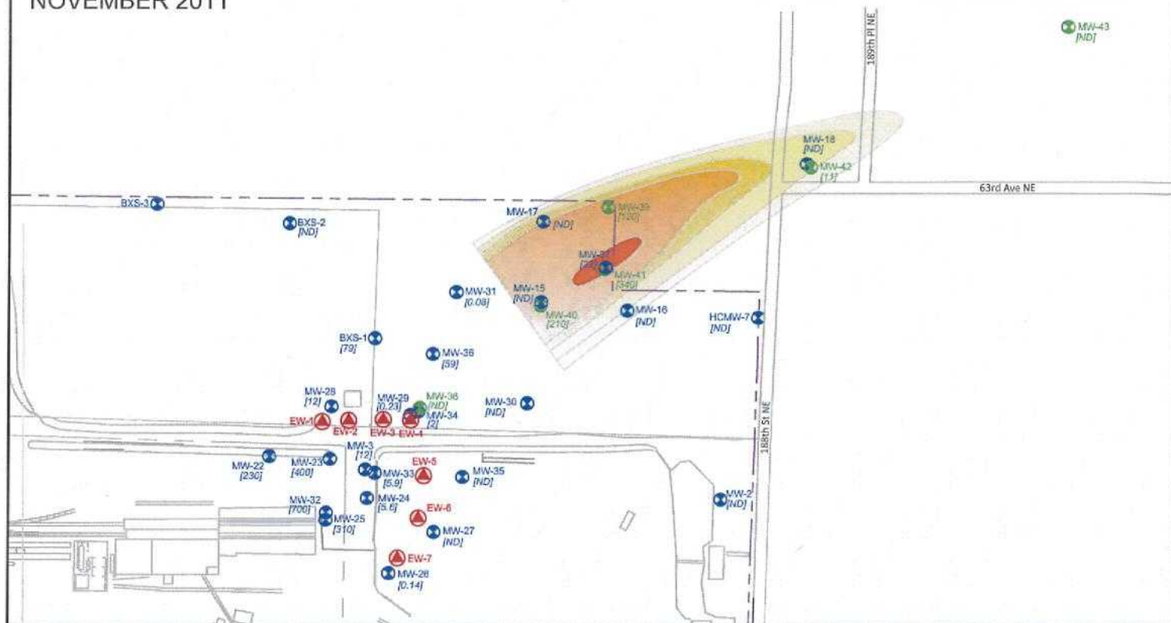
1" = 250'

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

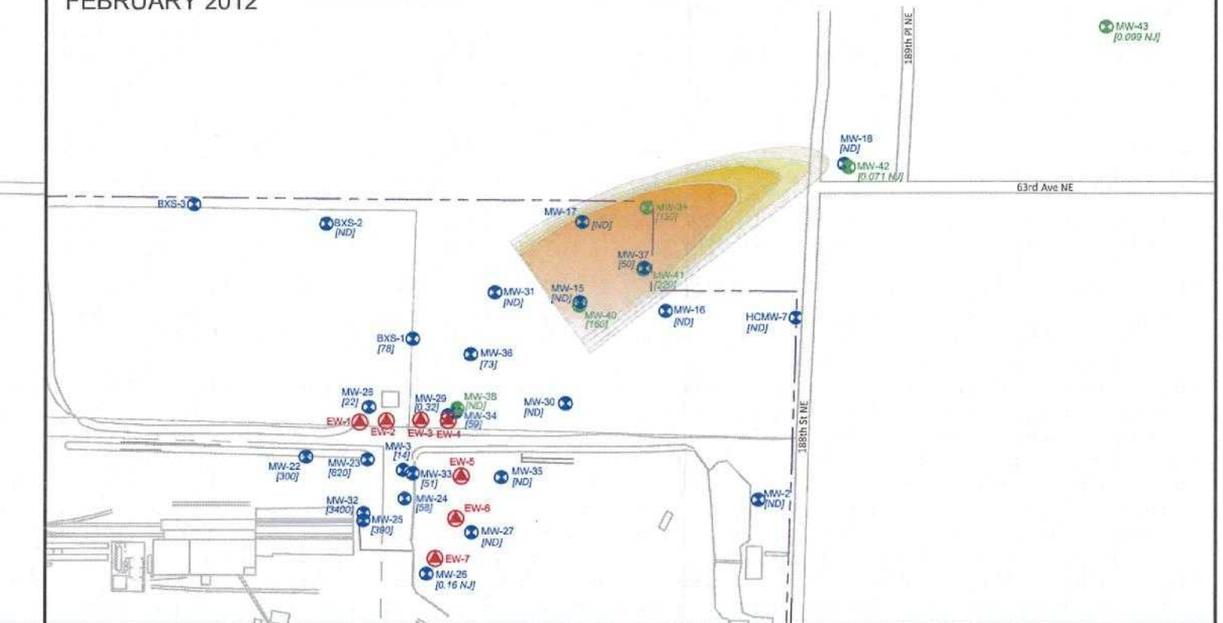
DATE: AUGUST 2013
PROJECT NO: 361M125611
REV. NO.: A
FIGURE No. 30

K:\12000\12500\12561\125611\DWG\2Q2013\Figure 30 – PCP Concentration – 2Q2013.dwg – – – Aug. 28, 2013 1:17pm – stephane.descombes

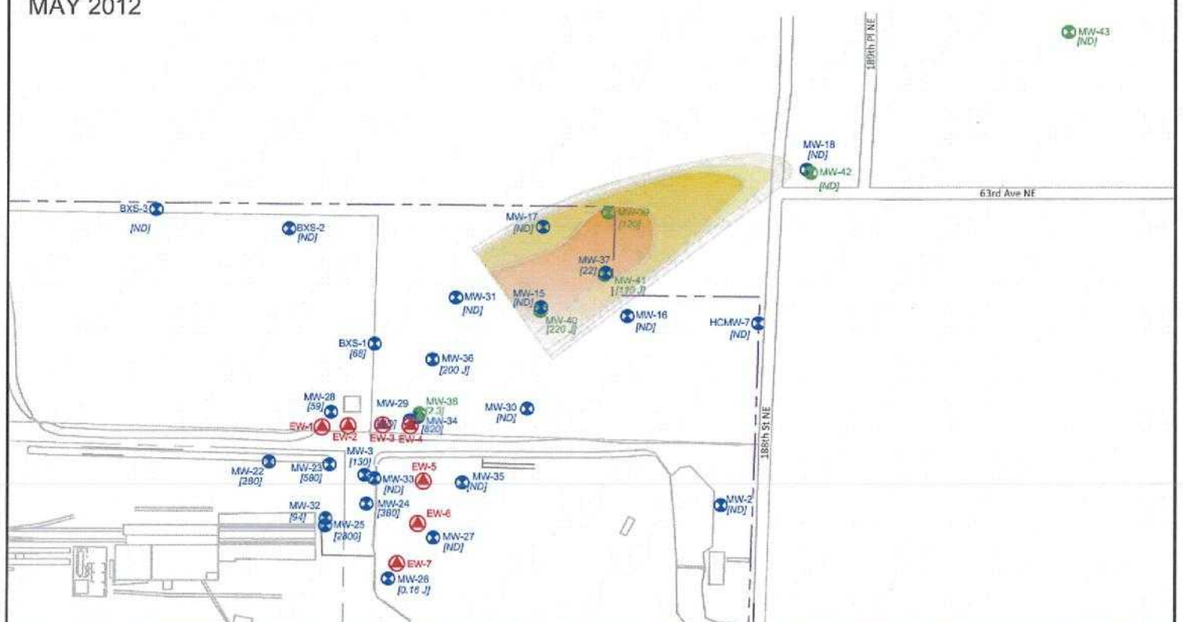
NOVEMBER 2011



FEBRUARY 2012



MAY 2012



LEGEND

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

PCP CONCENTRATION (µg/L)

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

NOTES:

UNITS	µg/L
ND	Undetected
NA	Not Analyzed

N

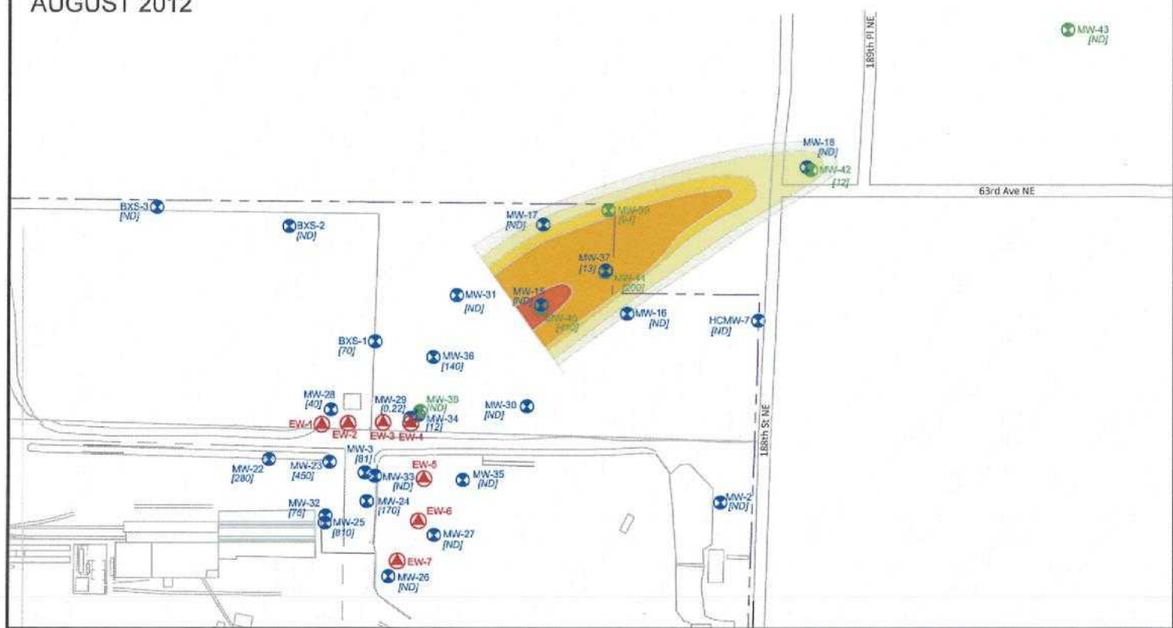
0' 175' 250' 325'

1" = 250'

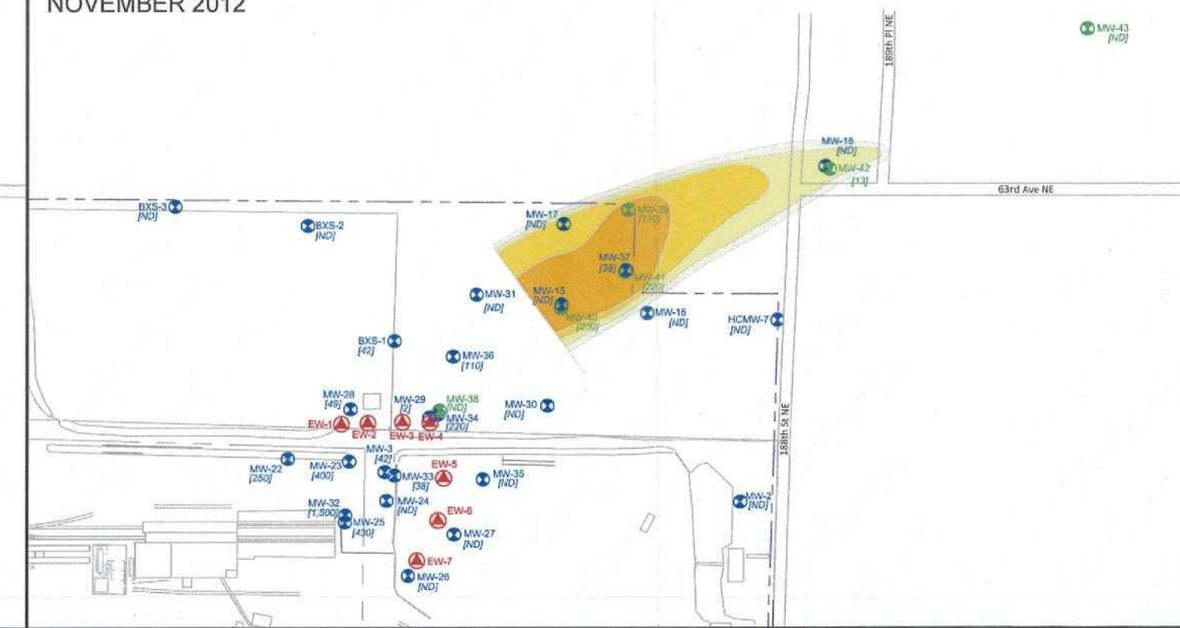
CLIENT: J.H. BAXTER	DWN BY: PM/SD	PROJECT: FORMER J.H. BAXTER AND CO. WOOD TREATING FACILITY ARLINGTON, WA	DATE: AUGUST 2013
	CHK'D BY: SB		PROJECT NO: 361M125611
	DATUM: -	TITLE: PENTACHLOROPHENOL ISOPLETH MAP NOVEMBER 2011 & FEBRUARY & MAY 2012 DEEPER ZONE ONLY	REV. NO.: A
AMEC 7376 S.W. Durham Road Portland, OR. U.S.A. 97224	PROJECTION: -		FIGURE No. 31
	SCALE: 1"=250'		

K:\12000\12500\12561\125611\DWG\2Q2013\Figure 31 – PCP Concentration – 2Q2013.dwg – – – Aug. 29, 2013 12:17pm – stephane.descombes

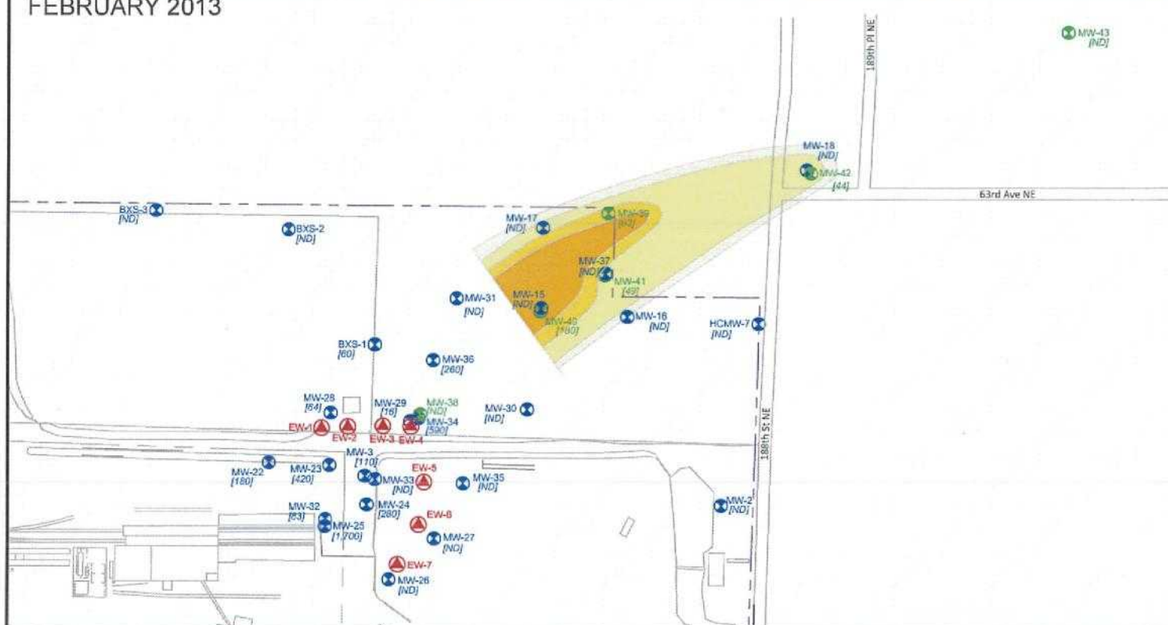
AUGUST 2012



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

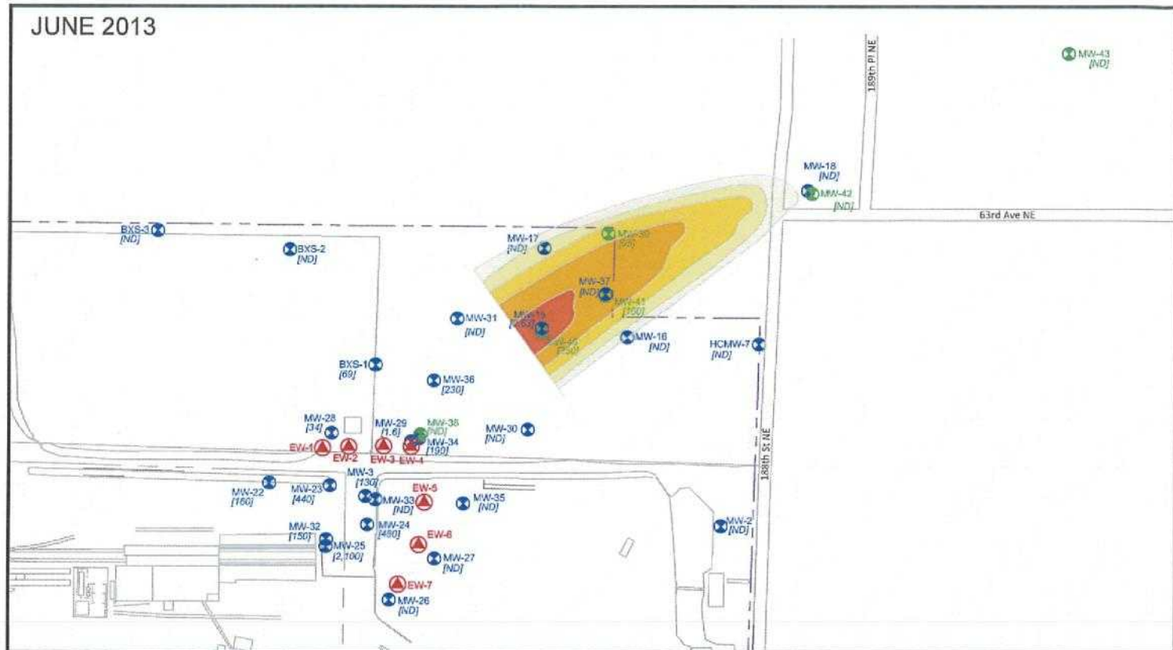
0' 175' 250' 325'

1" = 250'

CLIENT: J.H. BAXTER	DWN BY: PM/SD	PROJECT: FORMER J.H. BAXTER AND CO. WOOD TREATING FACILITY ARLINGTON, WA	DATE: AUGUST 2013
	CHK'D BY: SB		PROJECT NO: 361M125611
	DATUM: -	TITLE: PENTACHLOROPHENOL ISOPLETH MAP AUGUST 2012 & NOVEMBER 2012 & FEBRUARY 2013 DEEPER ZONE ONLY	REV. NO.: A
AMEC 7376 S.W. Durham Road Portland, OR. U.S.A. 97224	PROJECTION: -		FIGURE No. 32
	SCALE: 1"=250'		

K:\12000\12500\12561\125611\DWG\2Q2013\Figure 32 – PCP Concentration – 2Q2013.dwg – – – Aug. 28, 2013 1:33pm – stephane.descombes

JUNE 2013



LEGEND

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

PCP CONCENTRATION (µg/L)

500
300
100
50
10
1

NOTES:

UNITS	µg/L
ND	Undetected
NA	Not Analyzed

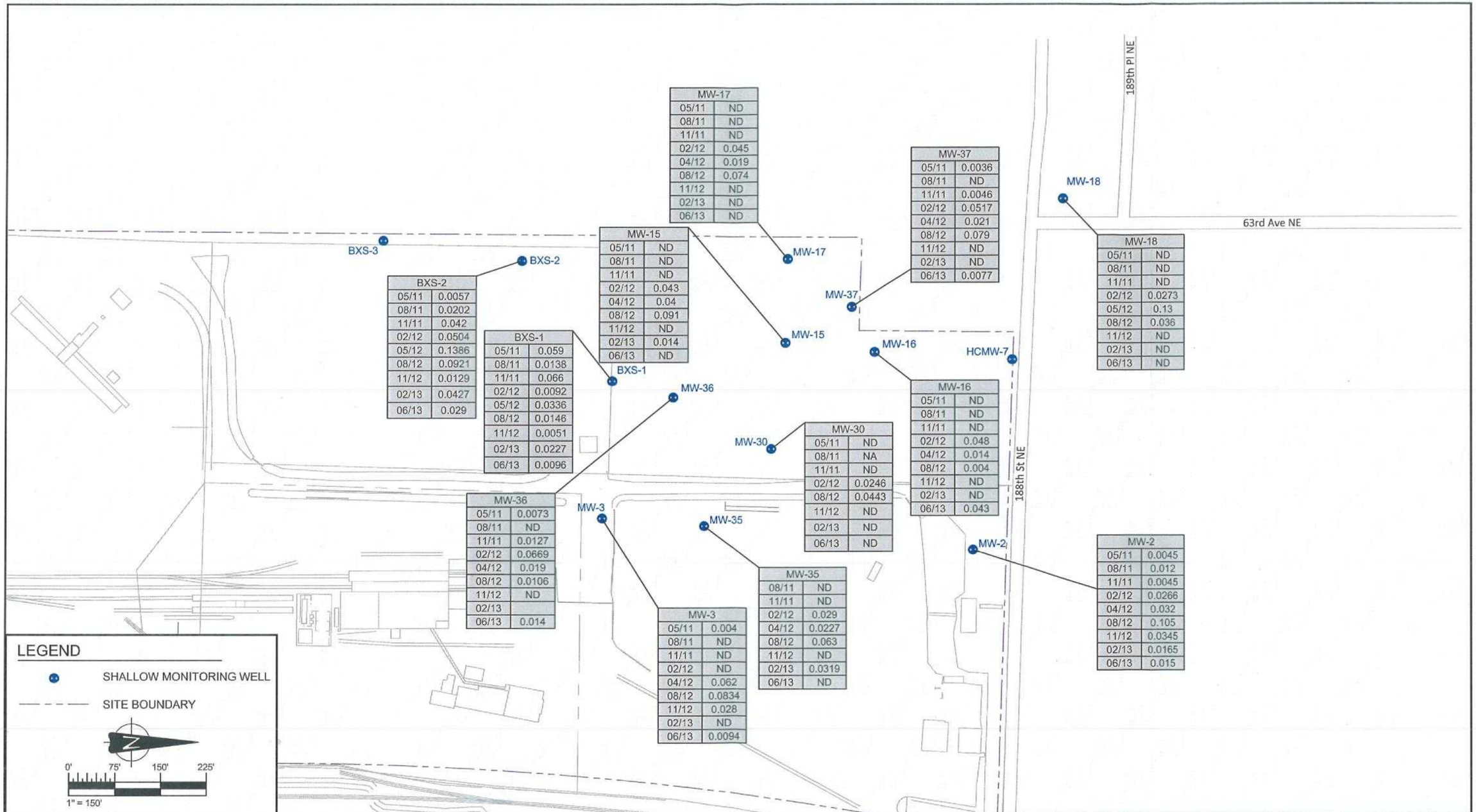
N

0' 175' 250' 325'

1" = 250'

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

K:\12000\12500\12561\125611\DWG\2Q2013\Figure 33 – PCP Concentration – 2Q2013.dwg – – – Dec. 06, 2013 2:26pm – stephane.descombes



MW-17	
05/11	ND
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

MW-37	
05/11	0.0036
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

MW-18	
05/11	ND
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

MW-15	
05/11	ND
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

BXS-2	
05/11	0.0057
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

BXS-1	
05/11	0.059
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

MW-16	
05/11	ND
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

MW-30	
05/11	ND
08/11	NA
11/11	ND
02/12	0.0246
08/12	0.0443
11/12	ND
02/13	ND
06/13	ND

MW-36	
05/11	0.0073
08/11	ND
11/11	0.0127
02/12	0.0669
04/12	0.019
08/12	0.0106
11/12	ND
02/13	
06/13	0.014

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

MW-3	
05/11	0.004
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

MW-2	
05/11	0.0045
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

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: TOTAL PAHs IN GROUNDWATER MAY 2011 - JUNE 2013

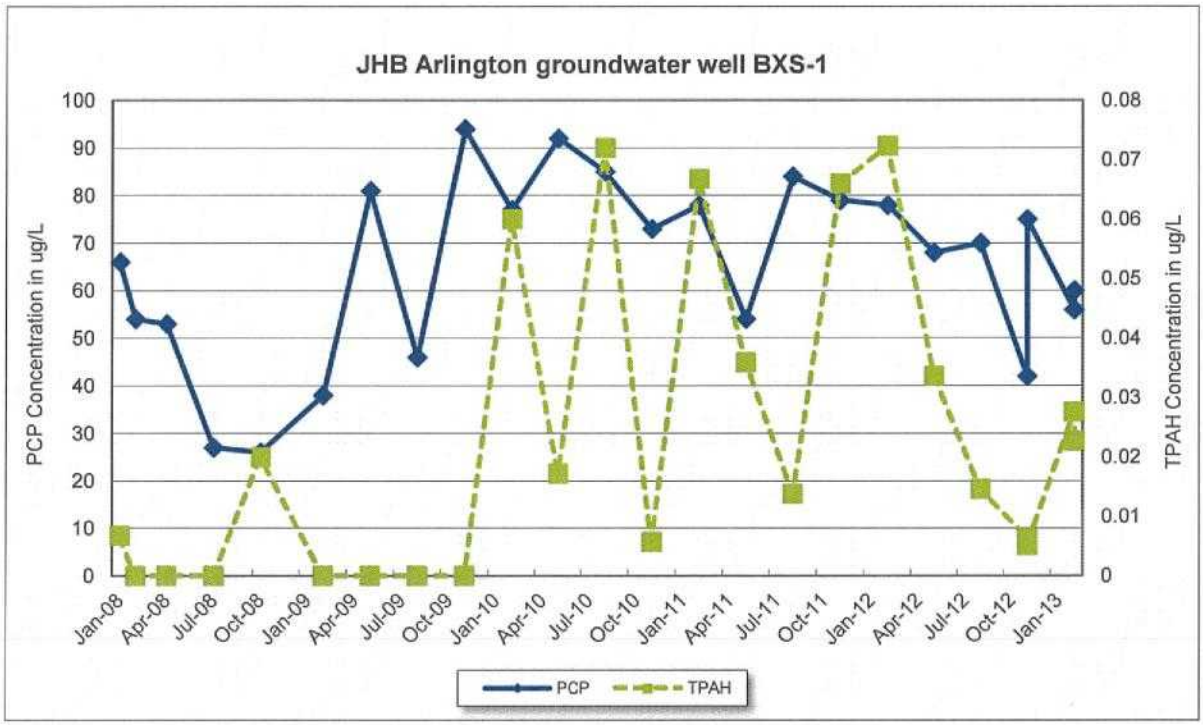
DATE: AUGUST 2013
PROJECT NO.: 361M125611
REV. NO.: A
FIGURE NO.: 34

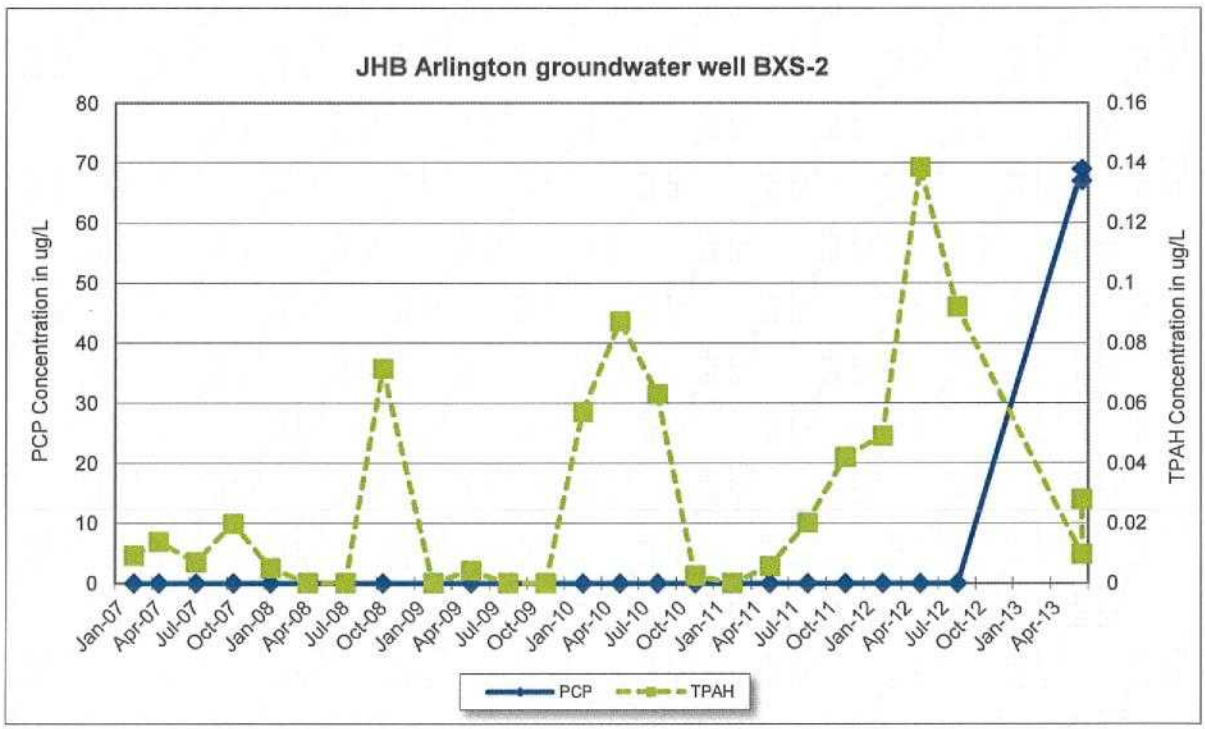
K:\12000\12500\12561\125611\DWG\2Q2013\Figure 7-29-34 - 2Q2013.dwg - -34 - Dec. 06, 2013 10:53am - stephane.descombes

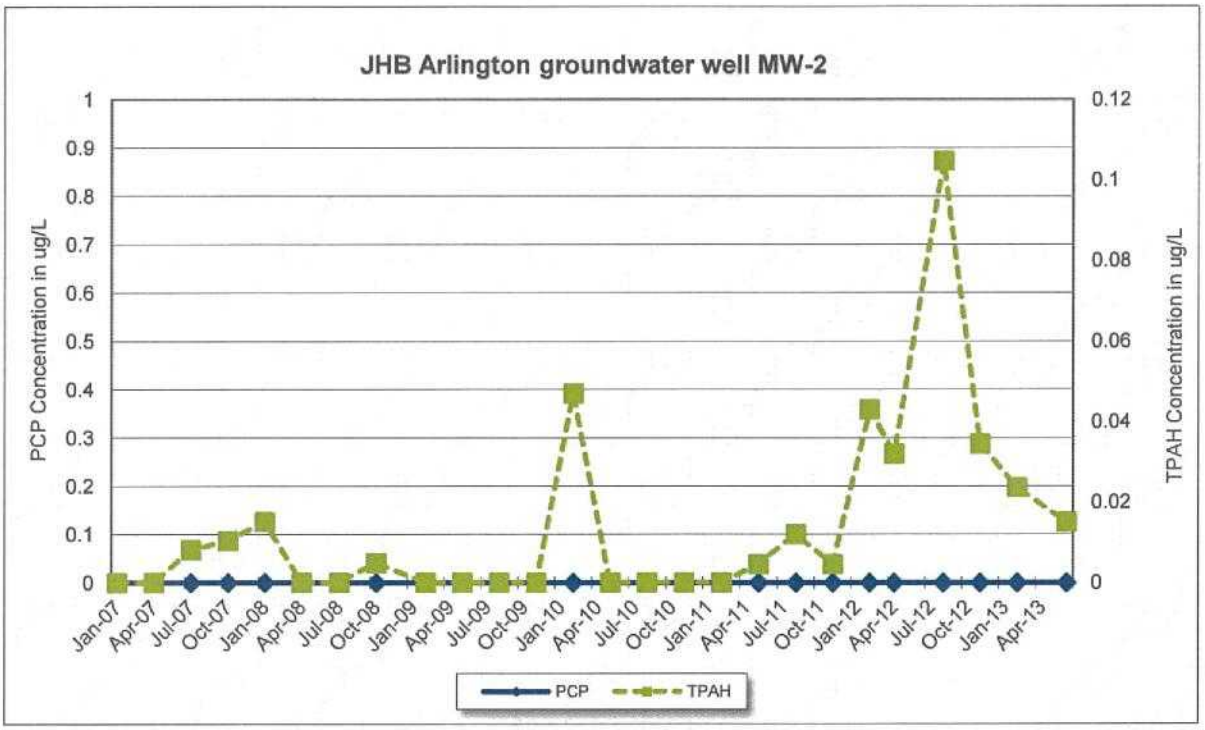
APPENDIX A

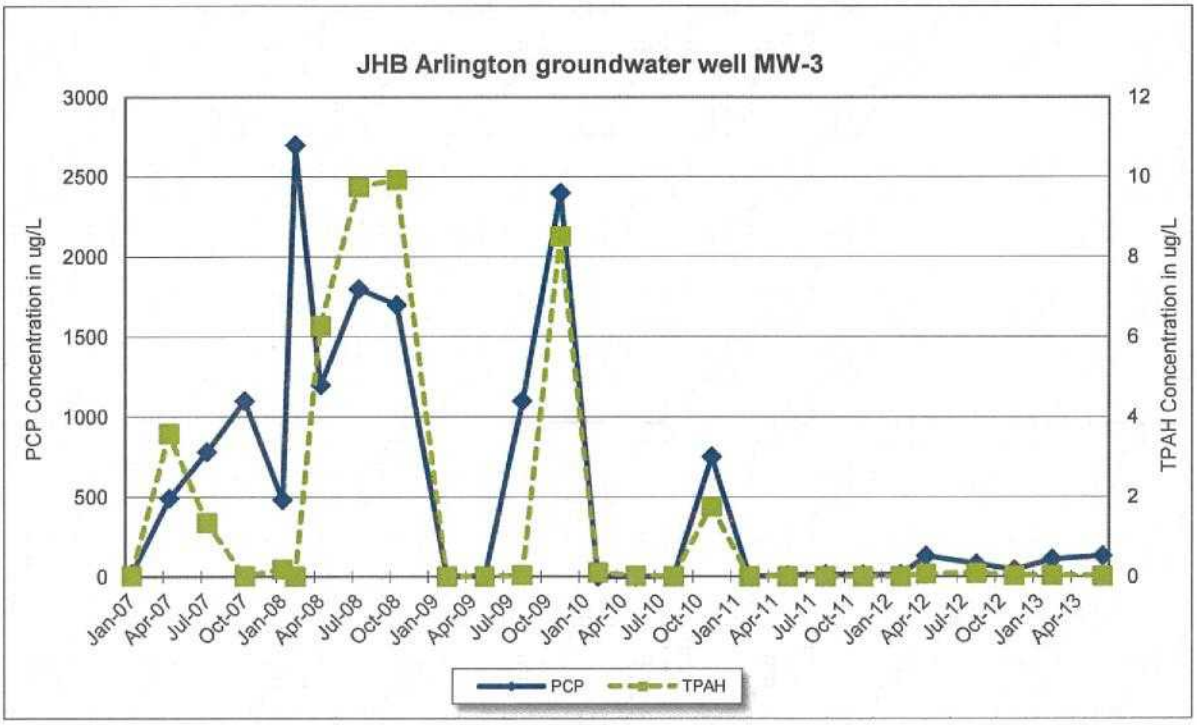
APPENDIX A

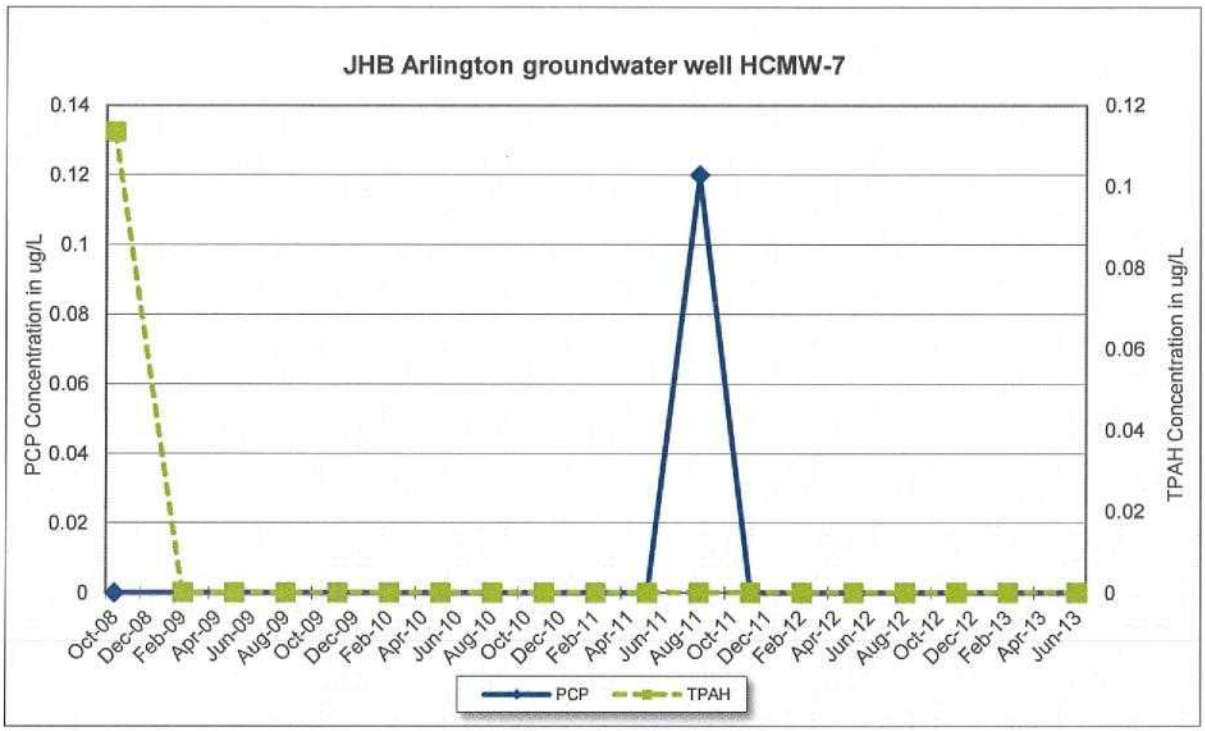
Time Series Plots – PCP and TPAH in Groundwater

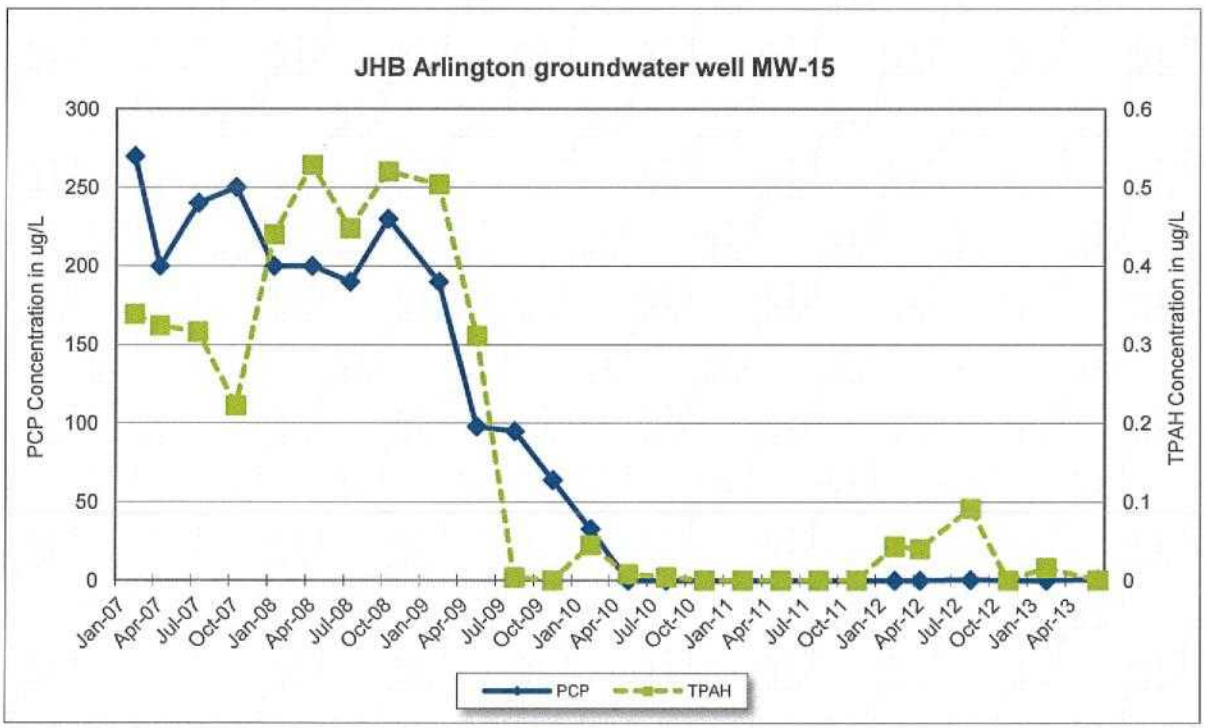

JHB Arlington groundwater well BXS-1
PCP Concentration in ug/L
TPAH Concentration in ug/L
100
90
80
70
60
50
40
30
20
10
0
0.08
0.07
0.06
0.05
0.04
0.03
0.02
0.01
0
Jan-08
Apr-08
Jul-08
Oct-08
Jan-09
Apr-09
Jul-09
Oct-09
Jan-10
Apr-10
Jul-10
Oct-10
Jan-11
Apr-11
Jul-11
Oct-11
Jan-12
Apr-12
Jul-12
Oct-12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

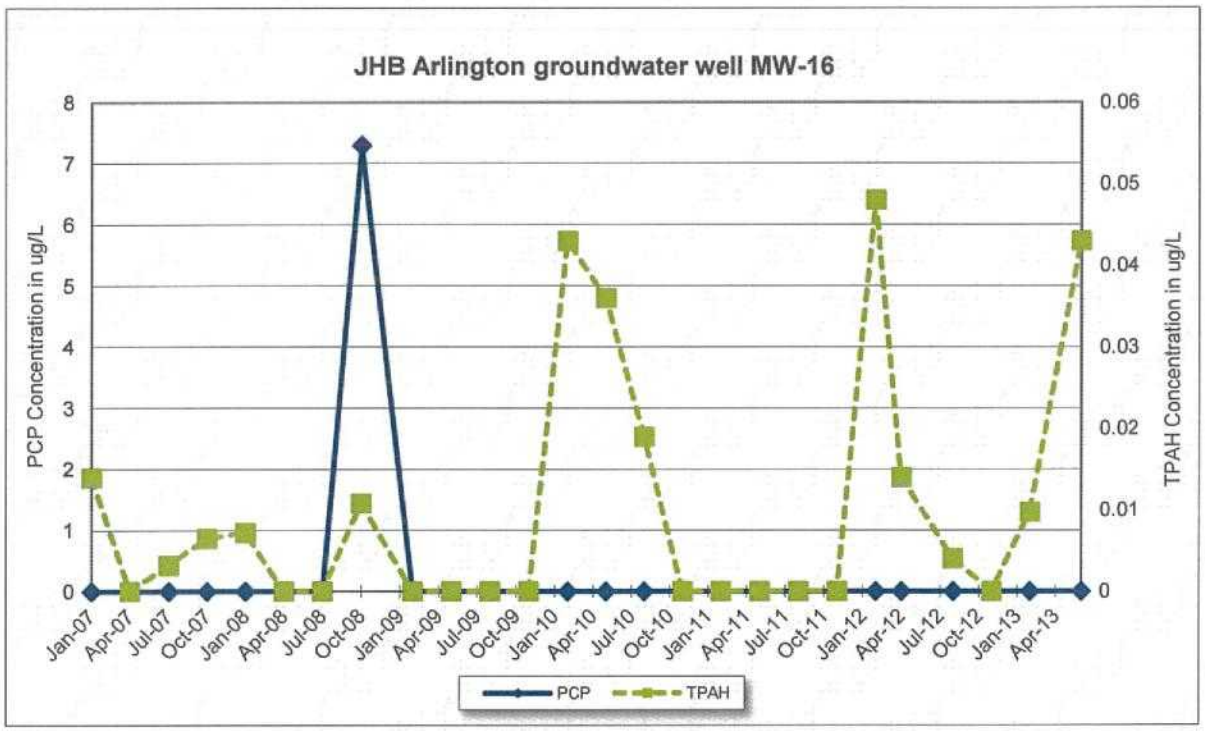

JHB Arlington groundwater well BXS-2
PCP Concentration in ug/L
TPAH Concentration in ug/L
80
70
60
50
40
30
20
10
0
0.16
0.14
0.12
0.1
0.08
0.06
0.04
0.02
0
Jan-07
Apr-07
Jul-07
Oct-07
Jan-08
Apr-08
Jul-08
Oct-08
Jan-09
Apr-09
Jul-09
Oct-09
Jan-10
Apr-10
Jul-10
Oct-10
Jan-11
Apr-11
Jul-11
Oct-11
Jan-12
Apr-12
Jul-12
Oct-12
Jan-13
Apr-13
PCP
TPAH

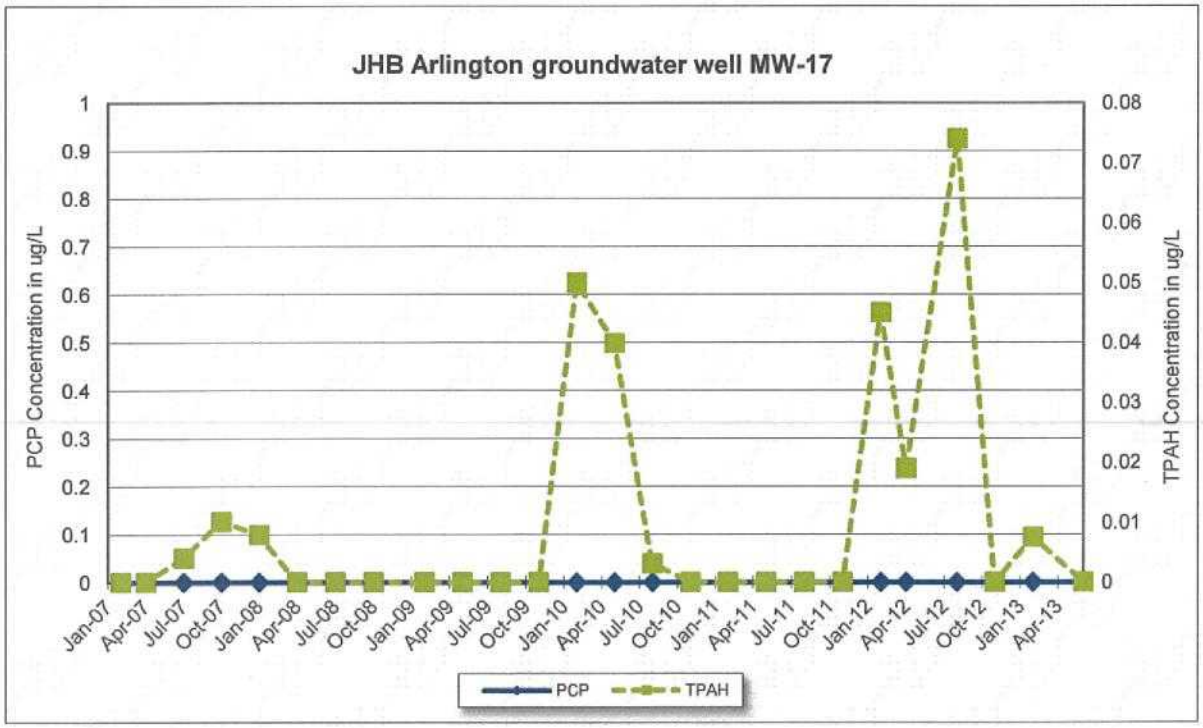

JHB Arlington groundwater well MW-2
PCP Concentration in ug/L
TPAH Concentration in ug/L
1
0.9
0.8
0.7
0.6
0.5
0.4
0.3
0.2
0.1
0
0.12
0.1
0.08
0.06
0.04
0.02
0
Jan-07
Apr-07
Jul-07
Oct-07
Jan-08
Apr-08
Jul-08
Oct-08
Jan-09
Apr-09
Jul-09
Oct-09
Jan-10
Apr-10
Jul-10
Oct-10
Jan-11
Apr-11
Jul-11
Oct-11
Jan-12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

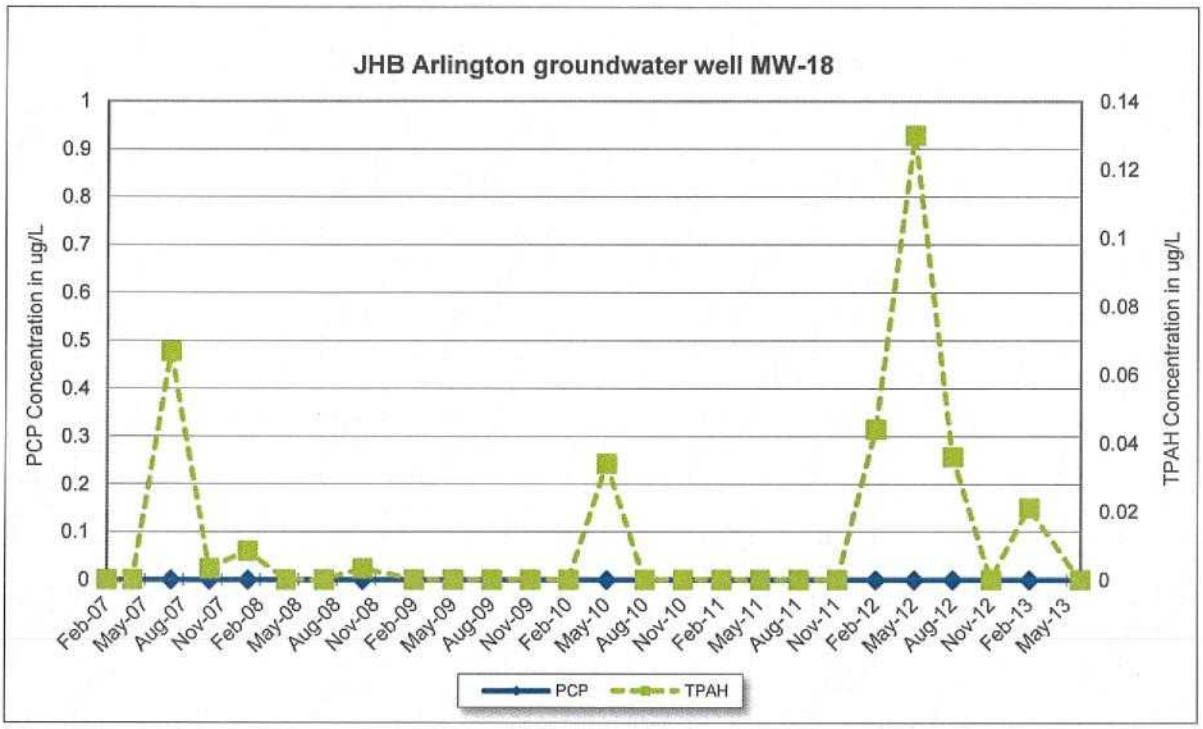

JHB Arlington groundwater well MW-3
PCP Concentration in ug/L
TPAH Concentration in ug/L
3000
2500
2000
1500
1000
500
0
12
10
8
6
4
2
0
Jan-07
Apr-07
Jul-07
Oct-07
Jan-08
Apr-08
Jul-08
Oct-08
Jan-09
Apr-09
Jul-09
Oct-09
Jan-10
Apr-10
Jul-10
Oct-10
Jan-11
Apr-11
Jul-11
Oct-11
Jan-12
Apr-12
Jul-12
Oct-12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

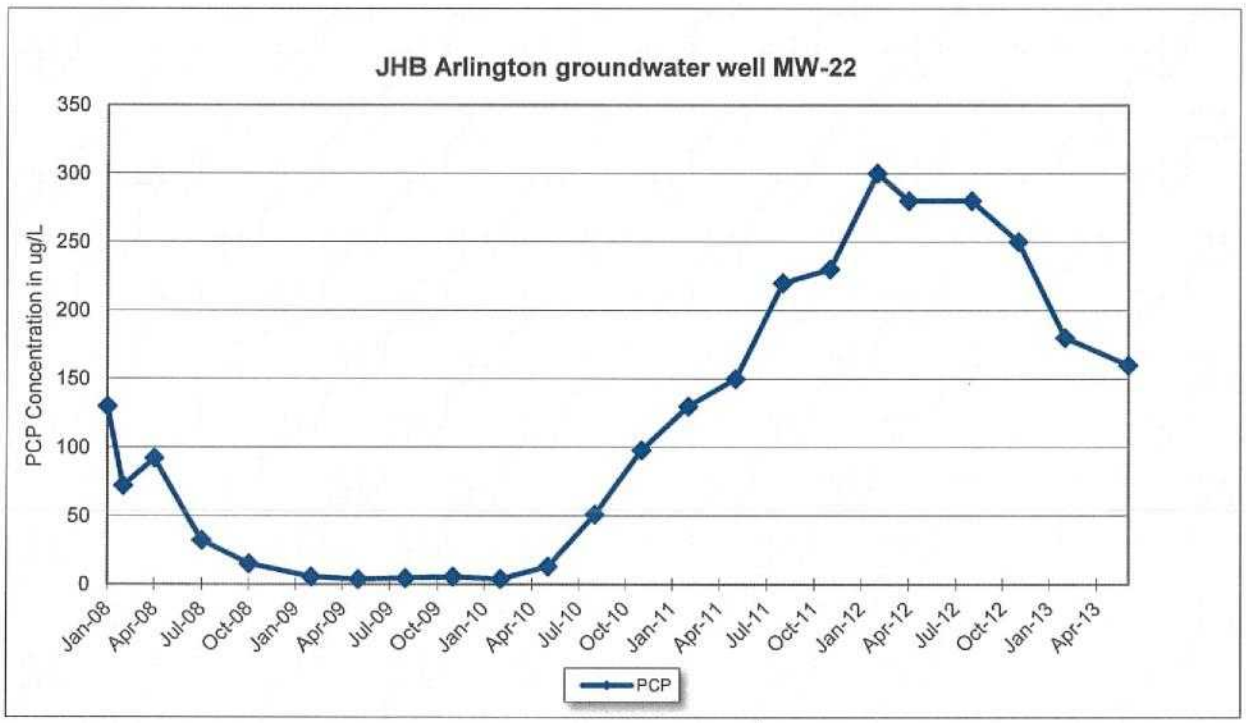

JHB Arlington groundwater well HCMW-7
PCP Concentration in ug/L
TPAH Concentration in ug/L
0.14
0.12
0.1
0.08
0.06
0.04
0.02
0
Oct-08
Dec-08
Feb-09
Apr-09
Jun-09
Aug-09
Oct-09
Dec-09
Feb-10
Apr-10
Jun-10
Aug-10
Oct-10
Dec-10
Feb-11
Apr-11
Jun-11
Aug-11
Oct-11
Dec-11
Feb-12
Apr-12
Jun-12
Aug-12
Oct-12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

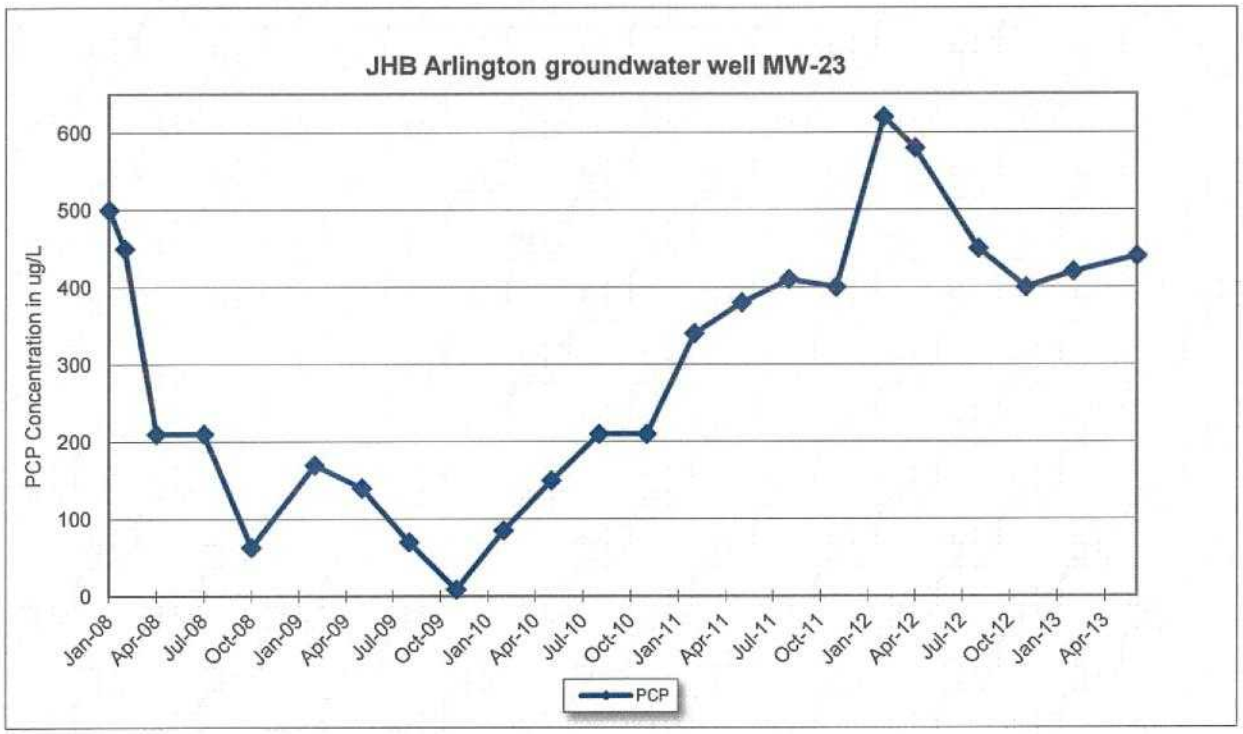

JHB Arlington groundwater well MW-15
PCP Concentration in ug/L
TPAH Concentration in ug/L
300
250
200
150
100
50
0
0.6
0.5
0.4
0.3
0.2
0.1
0
Jan-07
Apr-07
Jul-07
Oct-07
Jan-08
Apr-08
Jul-08
Oct-08
Jan-09
Apr-09
Jul-09
Oct-09
Jan-10
Apr-10
Jul-10
Oct-10
Jan-11
Apr-11
Jul-11
Oct-11
Jan-12
Apr-12
Jul-12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

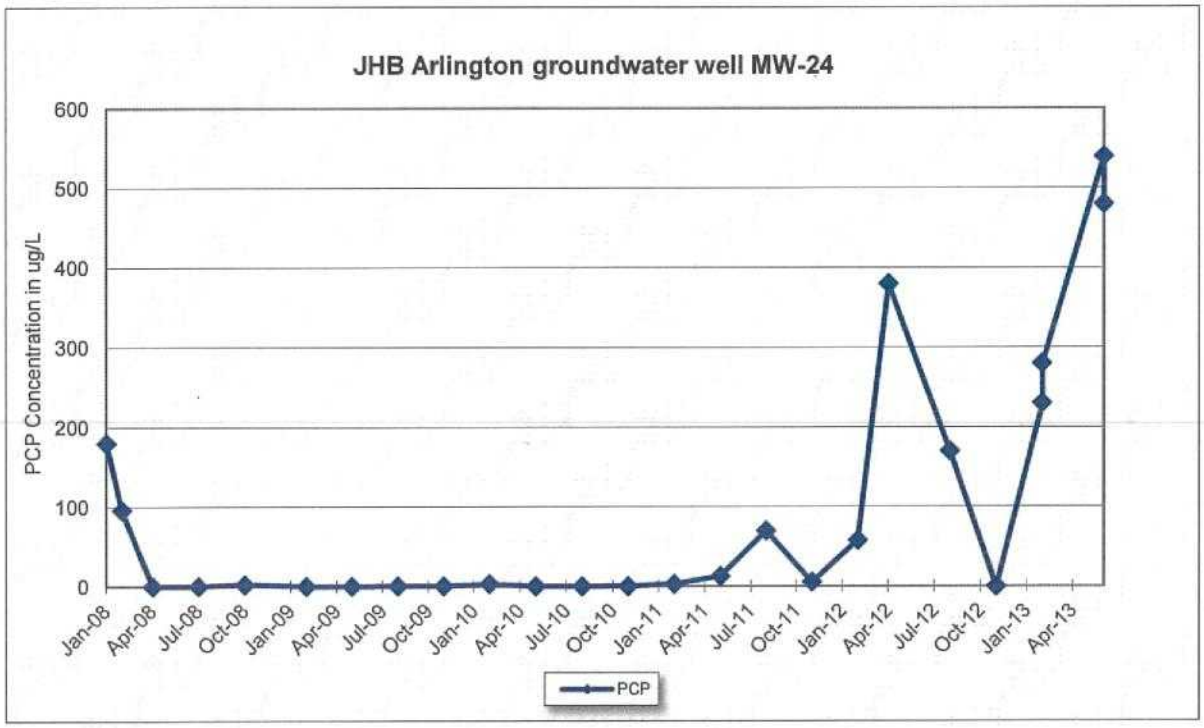

JHB Arlington groundwater well MW-16
PCP Concentration in ug/L
TPAH Concentration in ug/L
0
1
2
3
4
5
6
7
8
0
0.01
0.02
0.03
0.04
0.05
0.06
Jan-07
Apr-07
Jul-07
Oct-07
Jan-08
Apr-08
Jul-08
Oct-08
Jan-09
Apr-09
Jul-09
Oct-09
Jan-10
Apr-10
Jul-10
Oct-10
Jan-11
Apr-11
Jul-11
Oct-11
Jan-12
Apr-12
Jul-12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

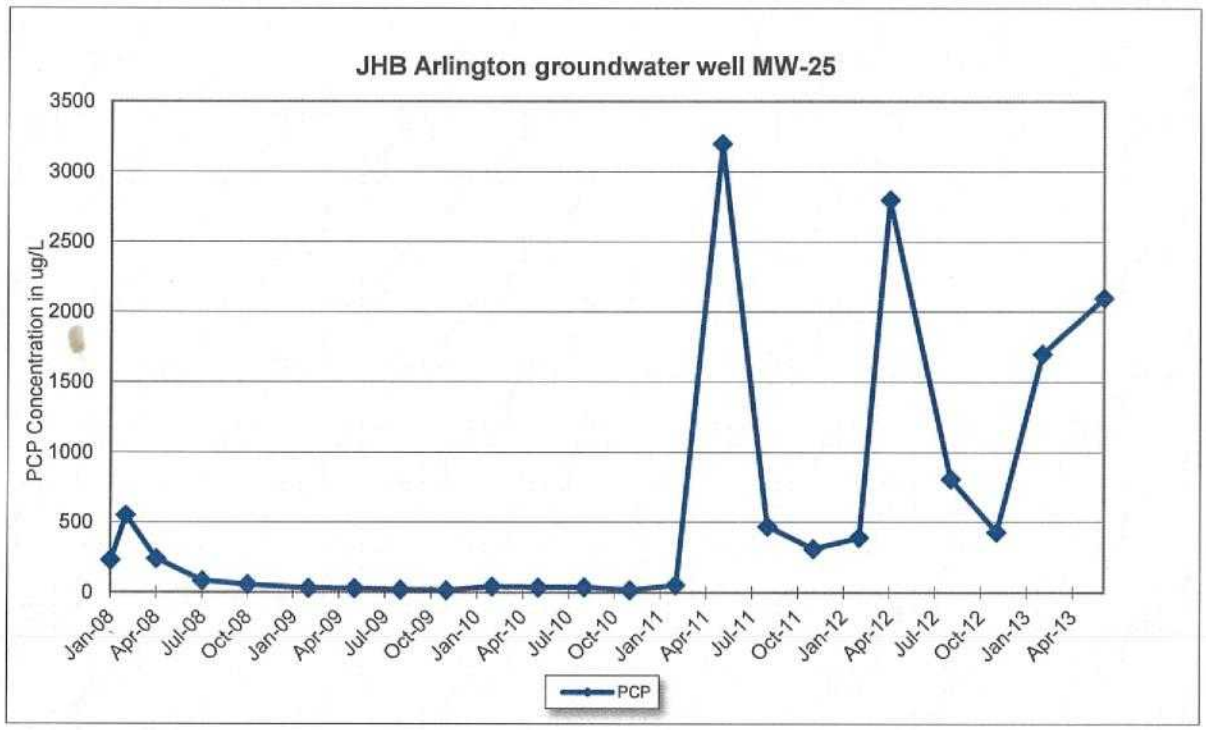

JHB Arlington groundwater well MW-17
PCP Concentration in ug/L
TPAH Concentration in ug/L
0
0.1
0.2
0.3
0.4
0.5
0.6
0.7
0.8
0.9
1
0
0.01
0.02
0.03
0.04
0.05
0.06
0.07
0.08
Jan-07
Apr-07
Jul-07
Oct-07
Jan-08
Apr-08
Jul-08
Oct-08
Jan-09
Apr-09
Jul-09
Oct-09
Jan-10
Apr-10
Jul-10
Oct-10
Jan-11
Apr-11
Jul-11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

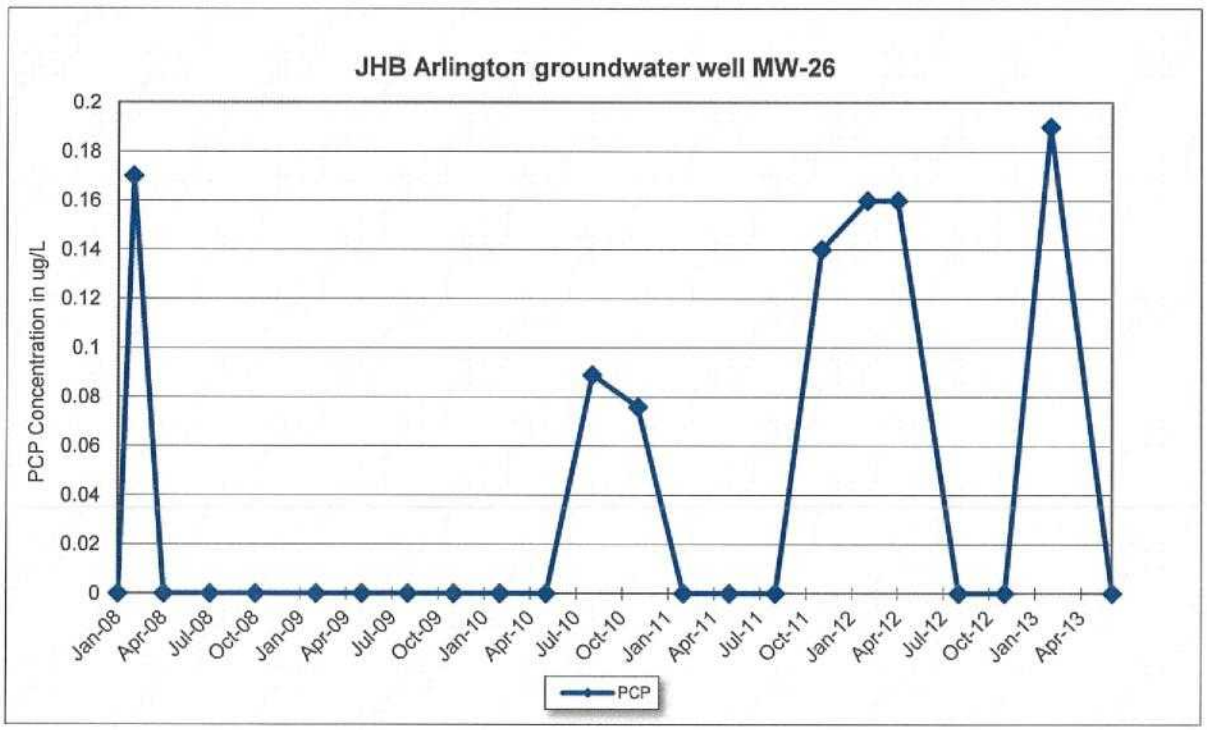

JHB Arlington groundwater well MW-18
PCP Concentration in ug/L
TPAH Concentration in ug/L
1
0.9
0.8
0.7
0.6
0.5
0.4
0.3
0.2
0.1
0
0.14
0.12
0.1
0.08
0.06
0.04
0.02
0
Feb-07
May-07
Aug-07
Nov-07
Feb-08
May-08
Aug-08
Nov-08
Feb-09
May-09
Aug-09
Nov-09
Feb-10
May-10
Aug-10
Nov-10
Feb-11
May-11
Aug-11
Nov-11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

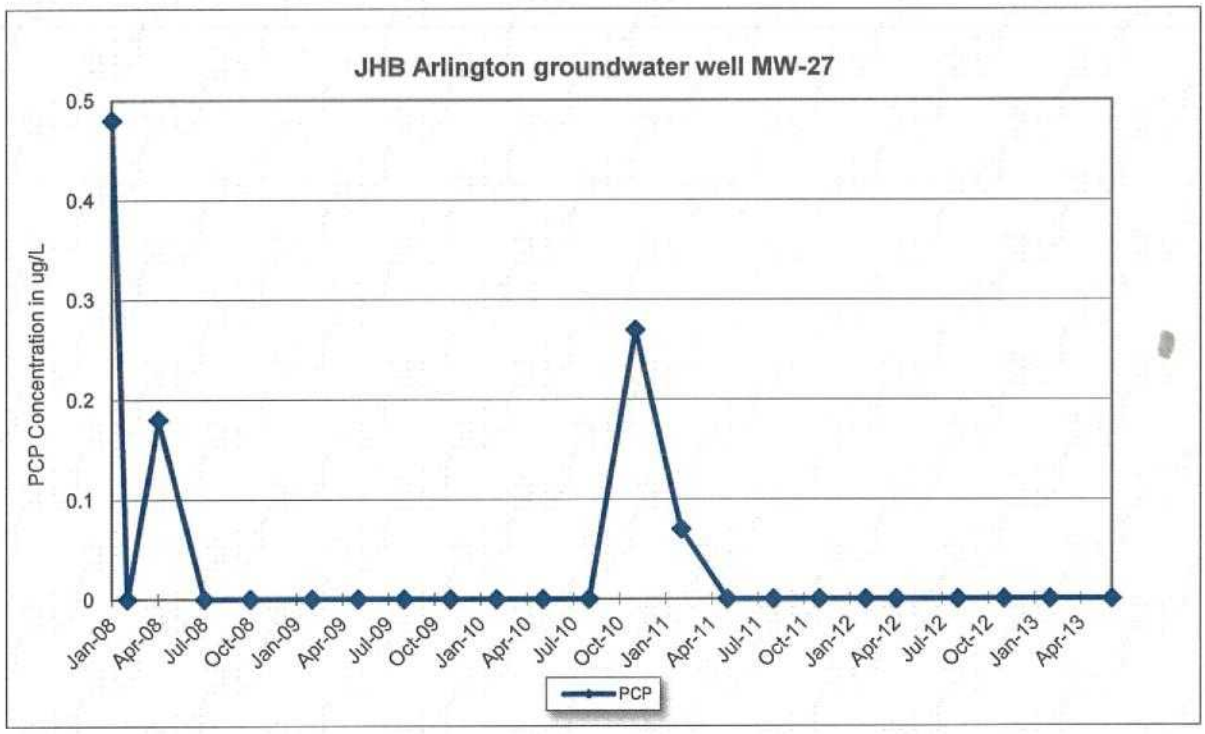

JHB Arlington groundwater well MW-22
PCP Concentration in ug/L
350
300
250
200
150
100
50
0
Jan-08
Apr-08
Jul-08
Oct-08
Jan-09
Apr-09
Jul-09
Oct-09
Jan-10
Apr-10
Jul-10
Oct-10
Jan-11
Apr-11
Jul-11
Oct-11
Jan-12
Apr-12
Jul-12
Oct-12
Jan-13
Apr-13
PCP

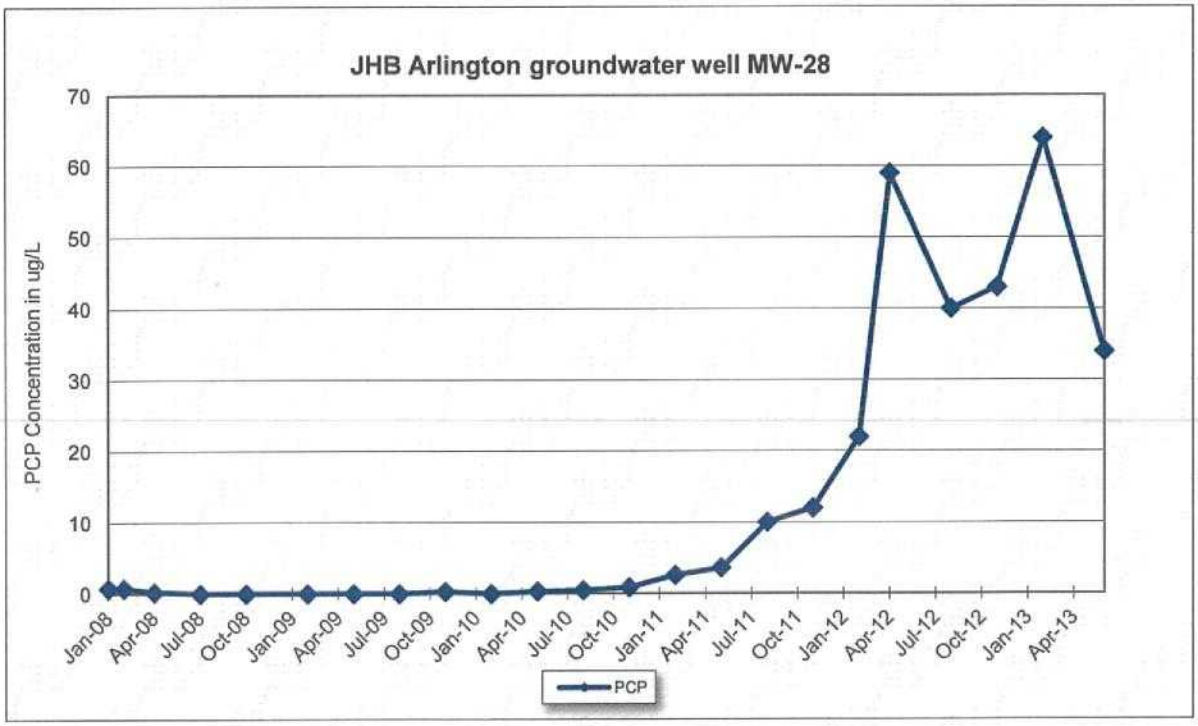

JHB Arlington groundwater well MW-23
PCP Concentration in ug/L
0
100
200
300
400
500
600
Jan-08
Apr-08
Jul-08
Oct-08
Jan-09
Apr-09
Jul-09
Oct-09
Jan-10
Apr-10
Jul-10
Oct-10
Jan-11
Apr-11
Jul-11
Oct-11
Jan-12
Apr-12
Jul-12
Oct-12
Jan-13
Apr-13
PCP

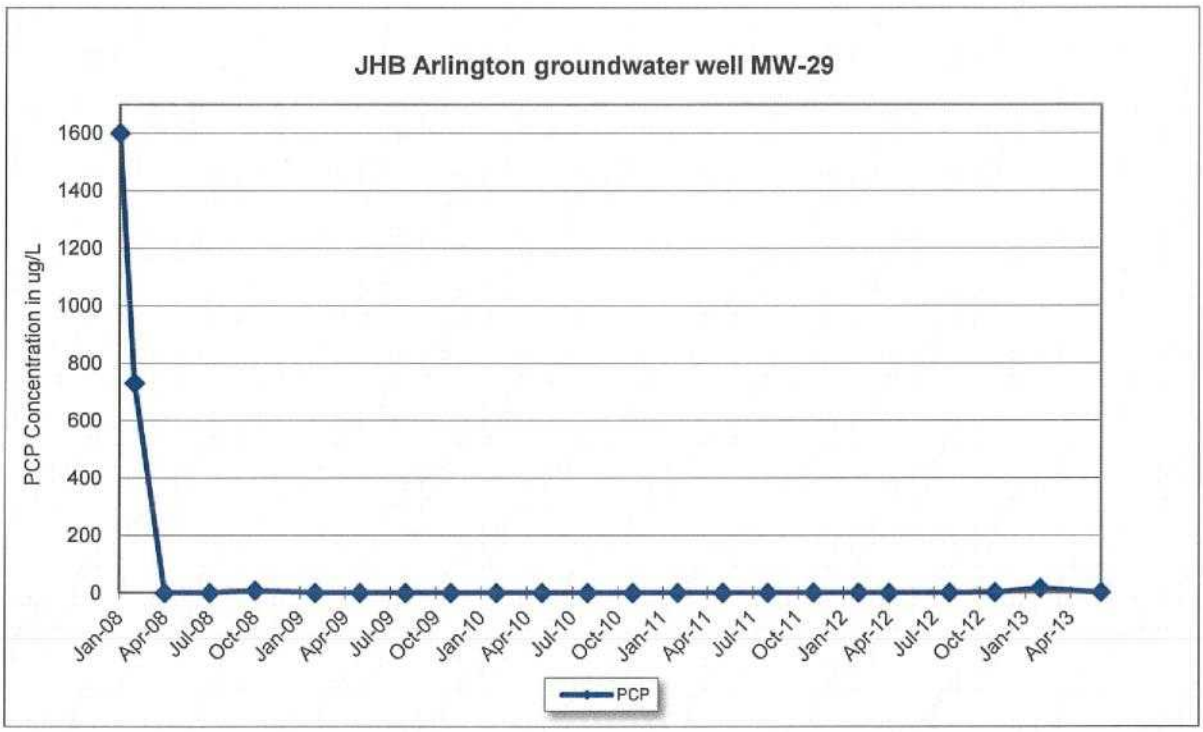

JHB Arlington groundwater well MW-24
PCP Concentration in ug/L
0
100
200
300
400
500
600
Jan-08
Apr-08
Jul-08
Oct-08
Jan-09
Apr-09
Jul-09
Oct-09
Jan-10
Apr-10
Jul-10
Oct-10
Jan-11
Apr-11
Jul-11
Oct-11
Jan-12
Apr-12
Jul-12
Oct-12
Jan-13
Apr-13
PCP

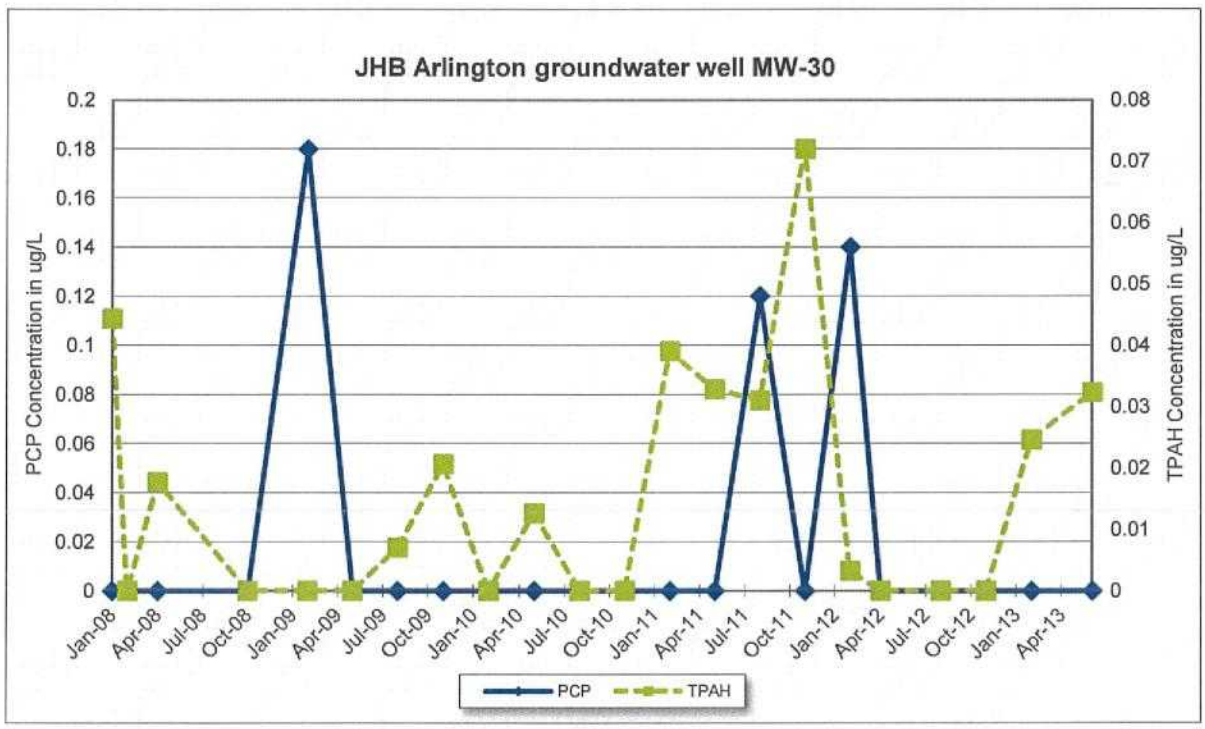

JHB Arlington groundwater well MW-25
PCP Concentration in ug/L
3500
3000
2500
2000
1500
1000
500
0
Jan-08
Apr-08
Jul-08
Oct-08
Jan-09
Apr-09
Jul-09
Oct-09
Jan-10
Apr-10
Jul-10
Oct-10
Jan-11
Apr-11
Jul-11
Oct-11
Jan-12
Apr-12
Jul-12
Oct-12
Jan-13
Apr-13
PCP

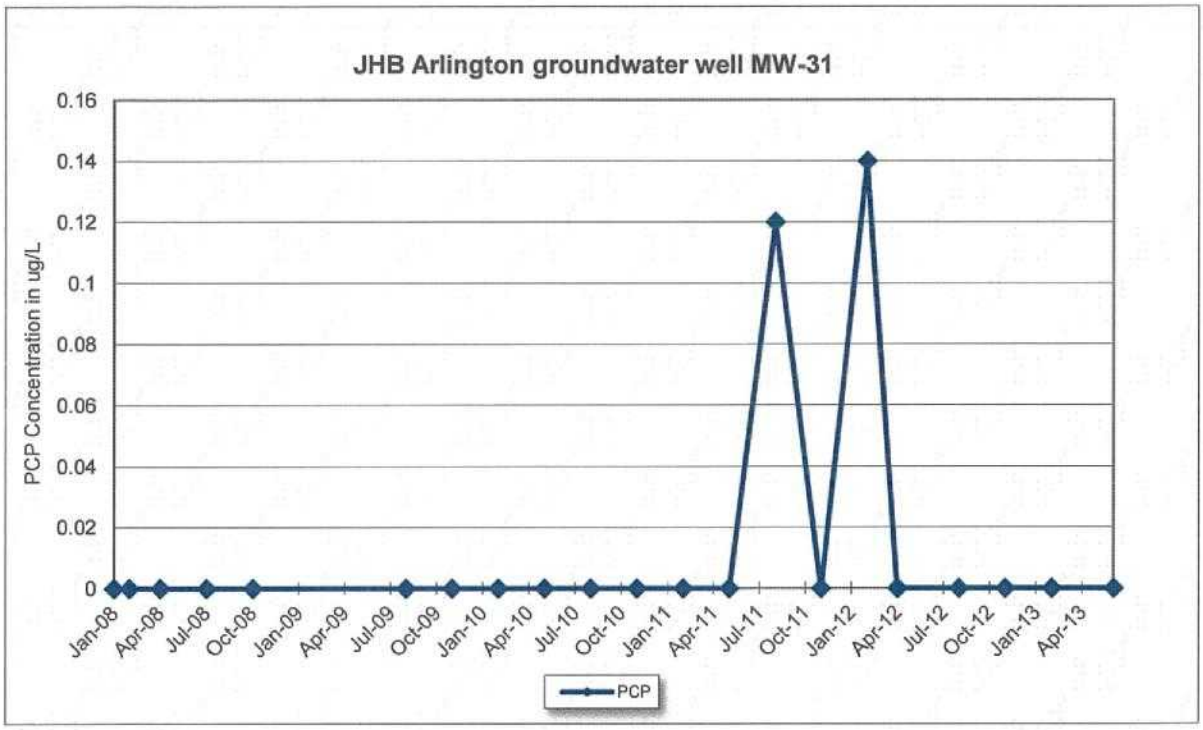

JHB Arlington groundwater well MW-26
PCP Concentration in ug/L
0.2
0.18
0.16
0.14
0.12
0.1
0.08
0.06
0.04
0.02
0
Jan-08
Apr-08
Jul-08
Oct-08
Jan-09
Apr-09
Jul-09
Oct-09
Jan-10
Apr-10
Jul-10
Oct-10
Jan-11
Apr-11
Jul-11
Oct-11
Jan-12
Apr-12
Jul-12
Oct-12
Jan-13
Apr-13
PCP

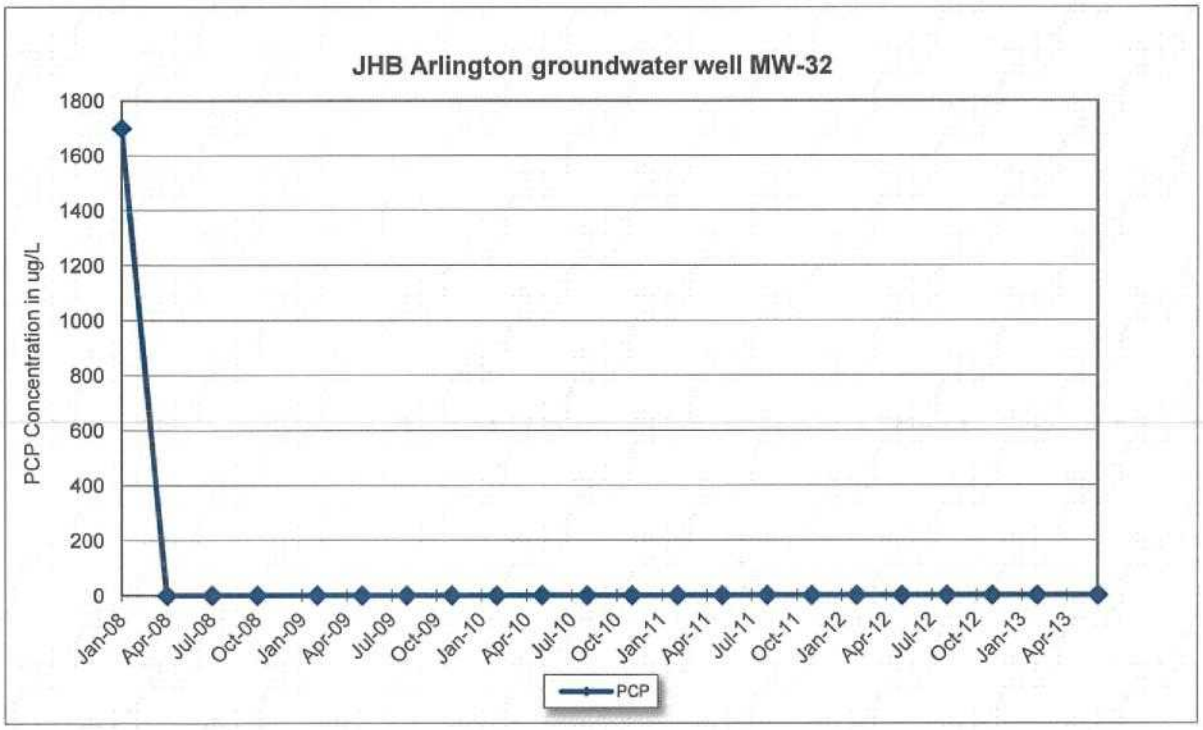

JHB Arlington groundwater well MW-27
PCP Concentration in ug/L
0.5
0.4
0.3
0.2
0.1
0
Jan-08
Apr-08
Jul-08
Oct-08
Jan-09
Apr-09
Jul-09
Oct-09
Jan-10
Apr-10
Jul-10
Oct-10
Jan-11
Apr-11
Jul-11
Oct-11
Jan-12
Apr-12
Jul-12
Oct-12
Jan-13
Apr-13
PCP

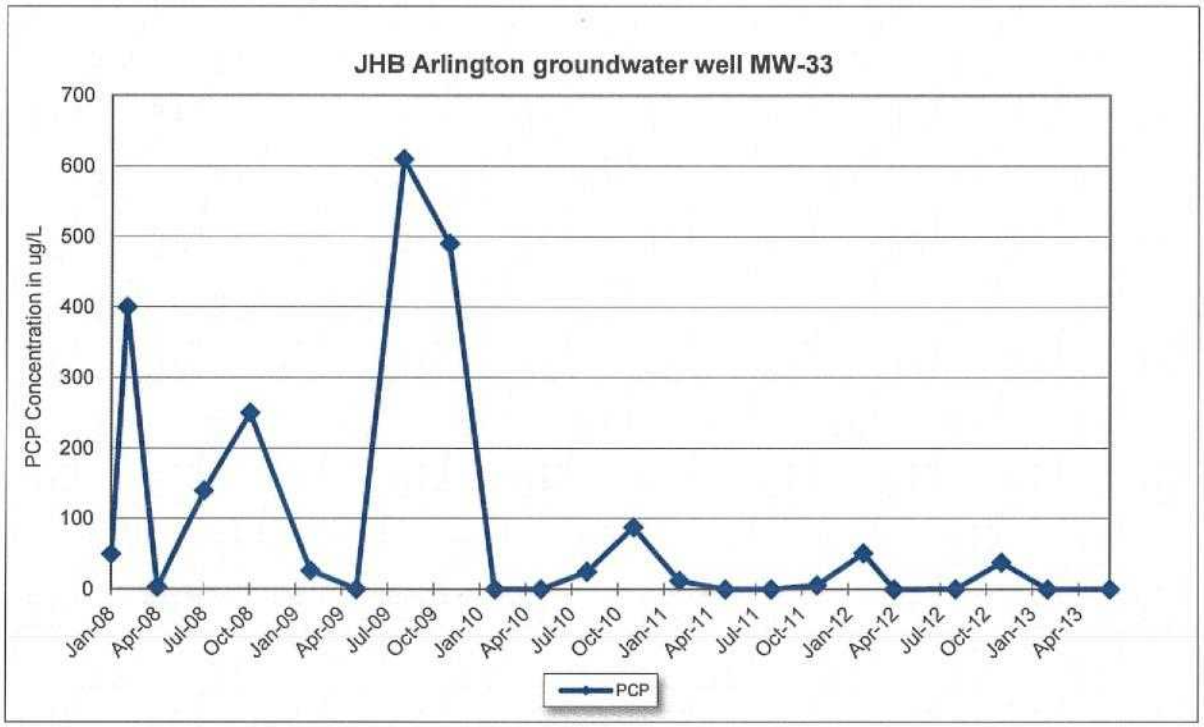

JHB Arlington groundwater well MW-28
PCP Concentration in ug/L
70
60
50
40
30
20
10
0
Jan-08
Apr-08
Jul-08
Oct-08
Jan-09
Apr-09
Jul-09
Oct-09
Jan-10
Apr-10
Jul-10
Oct-10
Jan-11
Apr-11
Jul-11
Oct-11
Jan-12
Apr-12
Jul-12
Oct-12
Jan-13
Apr-13
PCP

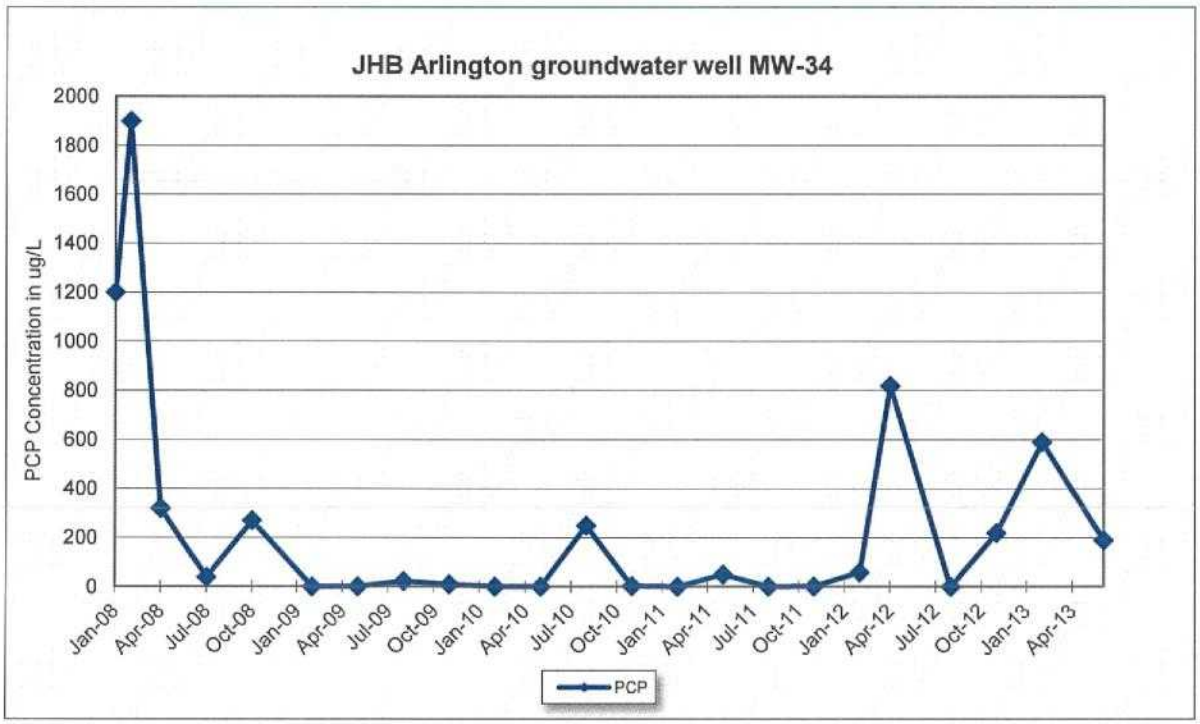

JHB Arlington groundwater well MW-29
PCP Concentration in ug/L
1600
1400
1200
1000
800
600
400
200
0
Jan-08
Apr-08
Jul-08
Oct-08
Jan-09
Apr-09
Jul-09
Oct-09
Jan-10
Apr-10
Jul-10
Oct-10
Jan-11
Apr-11
Jul-11
Oct-11
Jan-12
Apr-12
Jul-12
Oct-12
Jan-13
Apr-13
PCP

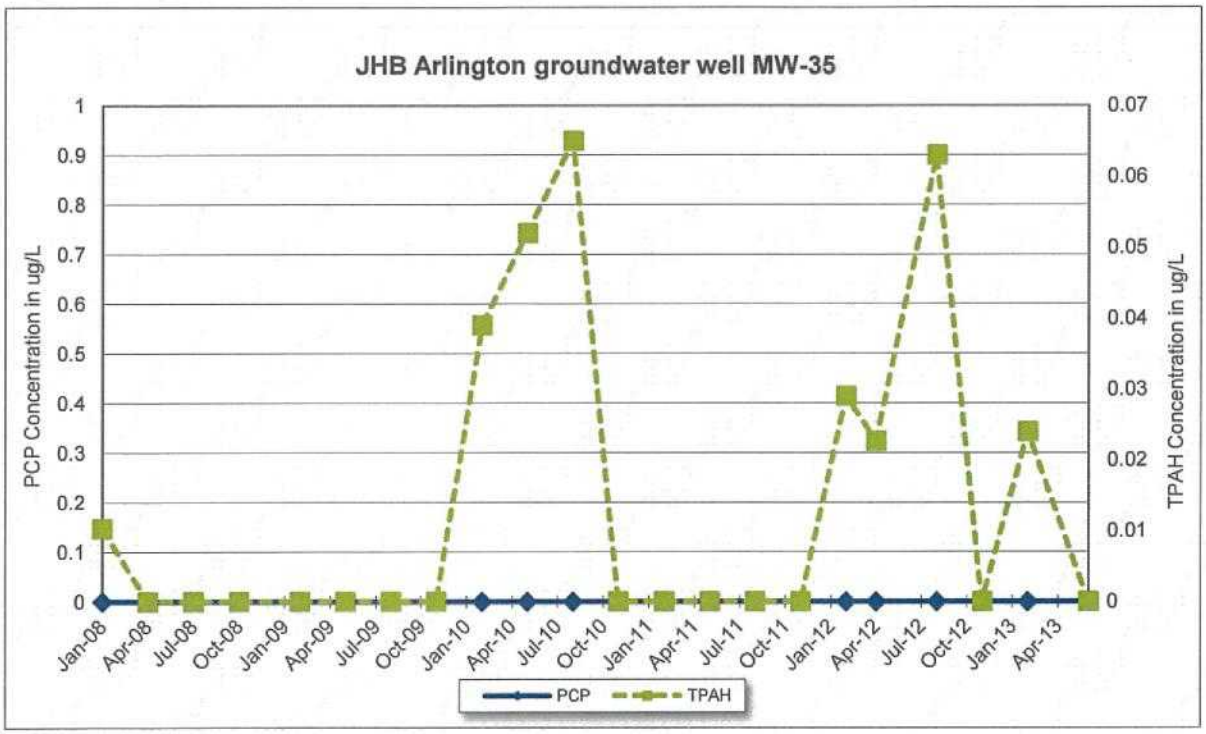

JHB Arlington groundwater well MW-30
PCP Concentration in ug/L
TPAH Concentration in ug/L
0.2
0.18
0.16
0.14
0.12
0.1
0.08
0.06
0.04
0.02
0
0.08
0.07
0.06
0.05
0.04
0.03
0.02
0.01
0
Jan-08
Apr-08
Jul-08
Oct-08
Jan-09
Apr-09
Jul-09
Oct-09
Jan-10
Apr-10
Jul-10
Oct-10
Jan-11
Apr-11
Jul-11
Oct-11
Jan-12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

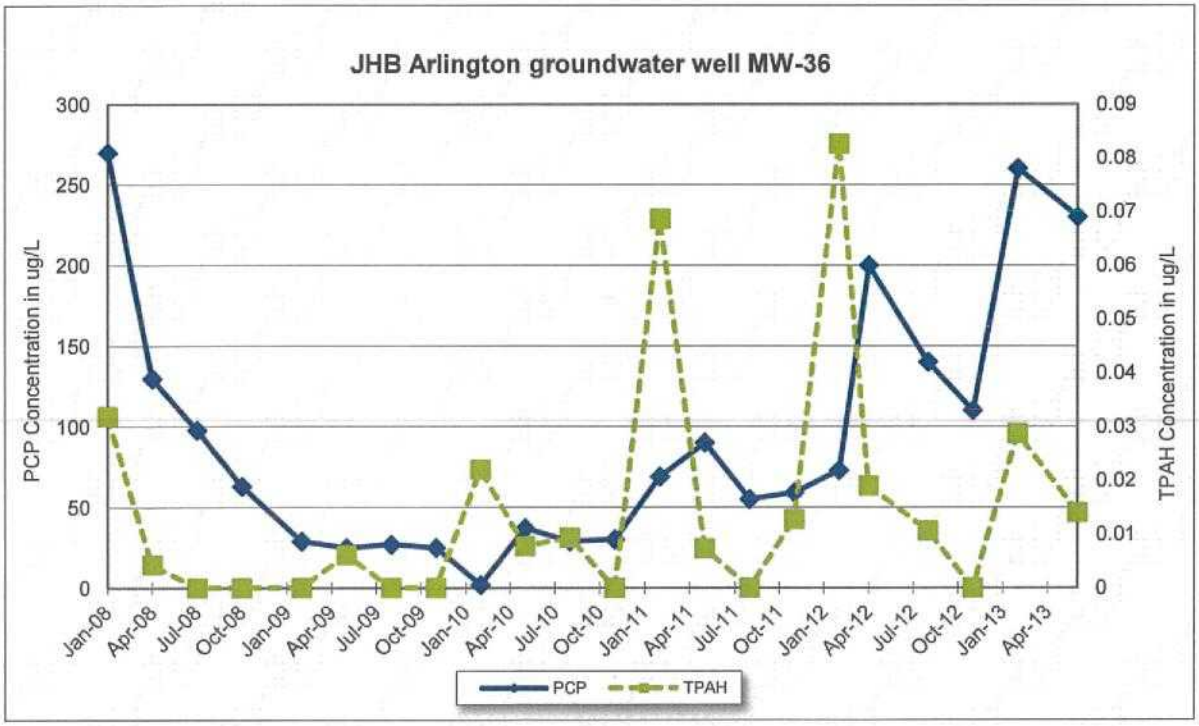

JHB Arlington groundwater well MW-31
PCP Concentration in ug/L
0.16
0.14
0.12
0.1
0.08
0.06
0.04
0.02
0
Jan-08
Apr-08
Jul-08
Oct-08
Jan-09
Apr-09
Jul-09
Oct-09
Jan-10
Apr-10
Jul-10
Oct-10
Jan-11
Apr-11
Jul-11
Oct-11
Jan-12
Apr-12
Jul-12
Oct-12
Jan-13
Apr-13
PCP

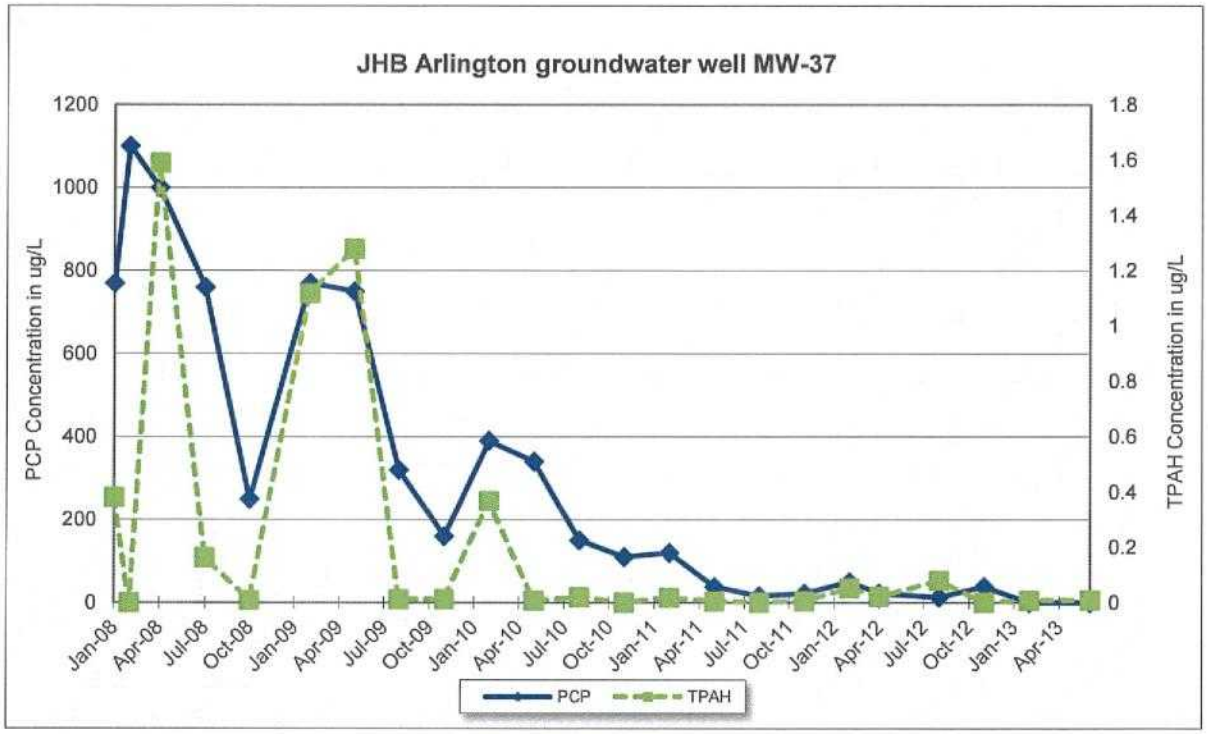

JHB Arlington groundwater well MW-32
PCP Concentration in ug/L
1800
1600
1400
1200
1000
800
600
400
200
0
Jan-08
Apr-08
Jul-08
Oct-08
Jan-09
Apr-09
Jul-09
Oct-09
Jan-10
Apr-10
Jul-10
Oct-10
Jan-11
Apr-11
Jul-11
Oct-11
Jan-12
Apr-12
Jul-12
Oct-12
Jan-13
Apr-13
PCP

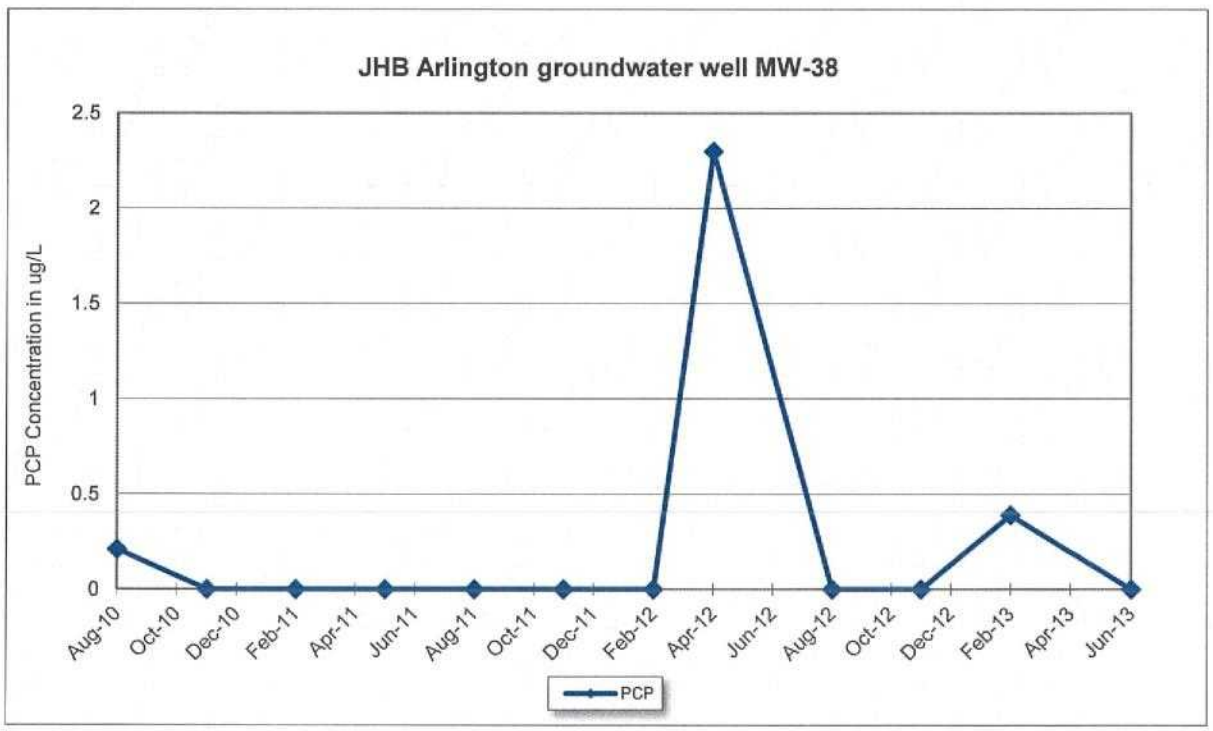

JHB Arlington groundwater well MW-33
PCP Concentration in ug/L
700
600
500
400
300
200
100
0
Jan-08
Apr-08
Jul-08
Oct-08
Jan-09
Apr-09
Jul-09
Oct-09
Jan-10
Apr-10
Jul-10
Oct-10
Jan-11
Apr-11
Jul-11
Oct-11
Jan-12
Apr-12
Jul-12
Oct-12
Jan-13
Apr-13
PCP

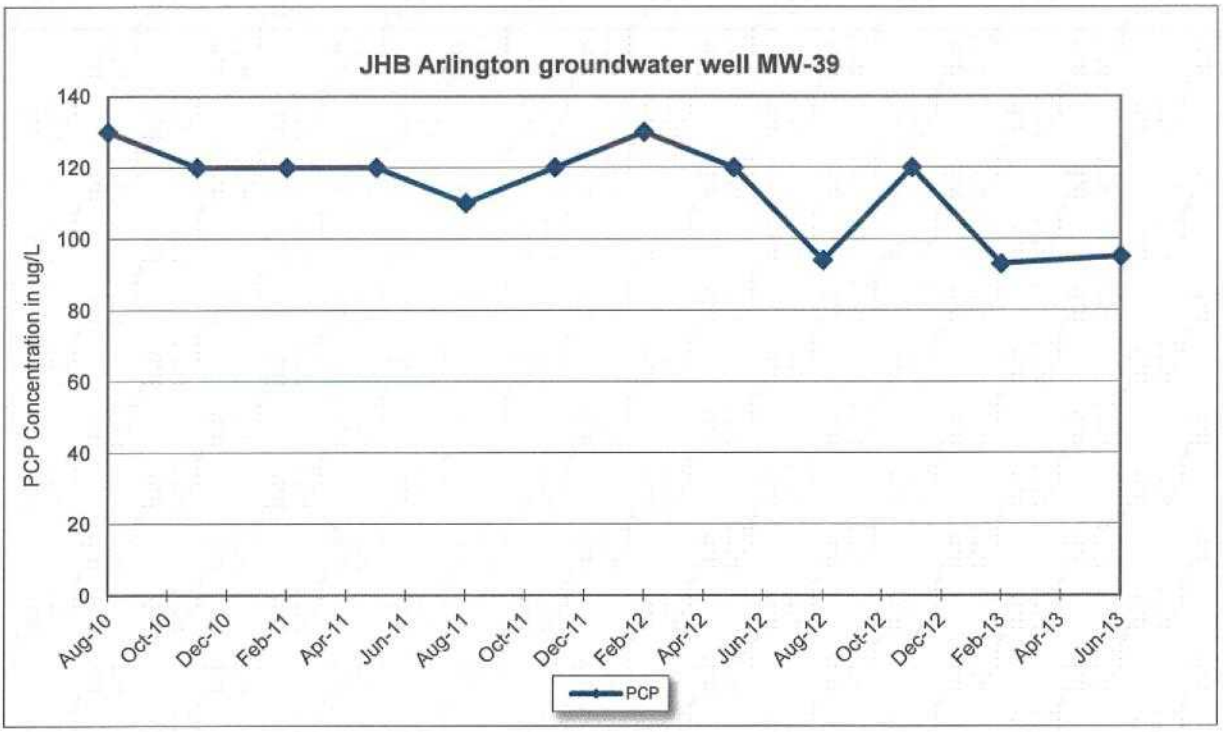

JHB Arlington groundwater well MW-34
PCP Concentration in ug/L
2000
1800
1600
1400
1200
1000
800
600
400
200
0
Jan-08
Apr-08
Jul-08
Oct-08
Jan-09
Apr-09
Jul-09
Oct-09
Jan-10
Apr-10
Jul-10
Oct-10
Jan-11
Apr-11
Jul-11
Oct-11
Jan-12
Apr-12
Jul-12
Oct-12
Jan-13
Apr-13
PCP

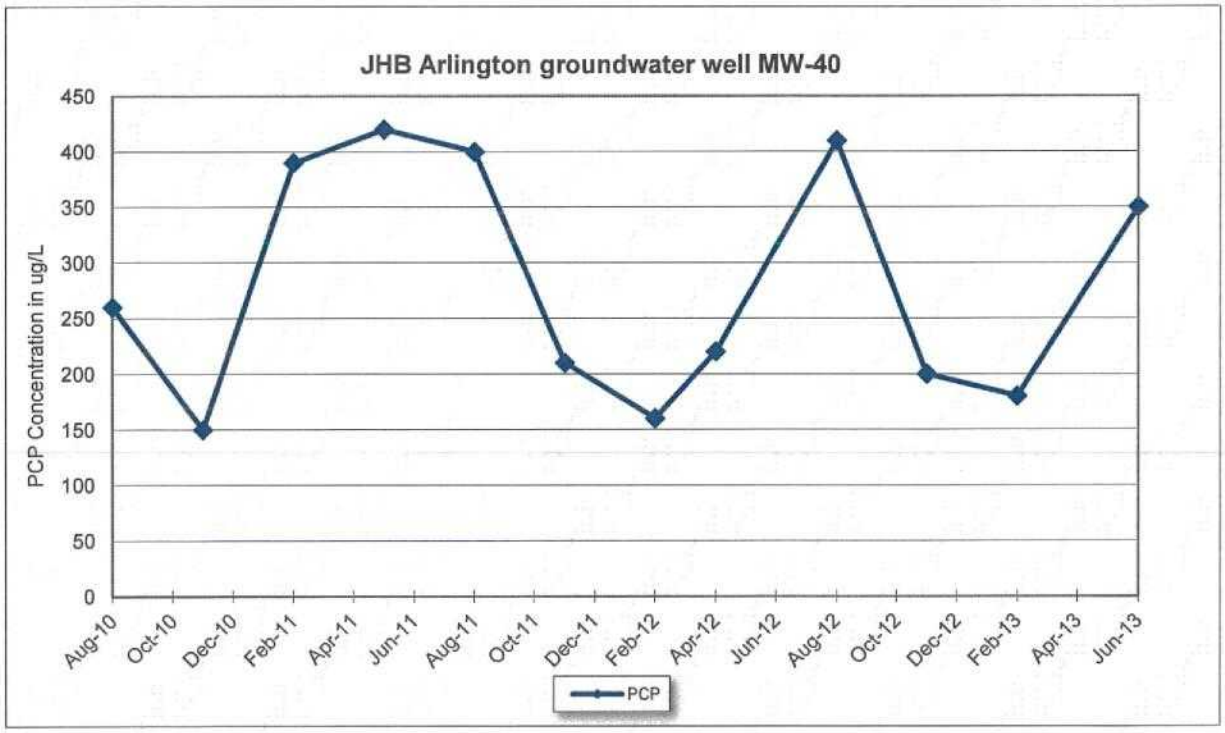

JHB Arlington groundwater well MW-35
PCP Concentration in ug/L
TPAH Concentration in ug/L
1
0.9
0.8
0.7
0.6
0.5
0.4
0.3
0.2
0.1
0
0.07
0.06
0.05
0.04
0.03
0.02
0.01
0
Jan-08
Apr-08
Jul-08
Oct-08
Jan-09
Apr-09
Jul-09
Oct-09
Jan-10
Apr-10
Jul-10
Oct-10
Jan-11
Apr-11
Jul-11
Oct-11
Jan-12
Apr-12
Jul-12
Oct-12
Jan-13
Apr-13
PCP
TPAH

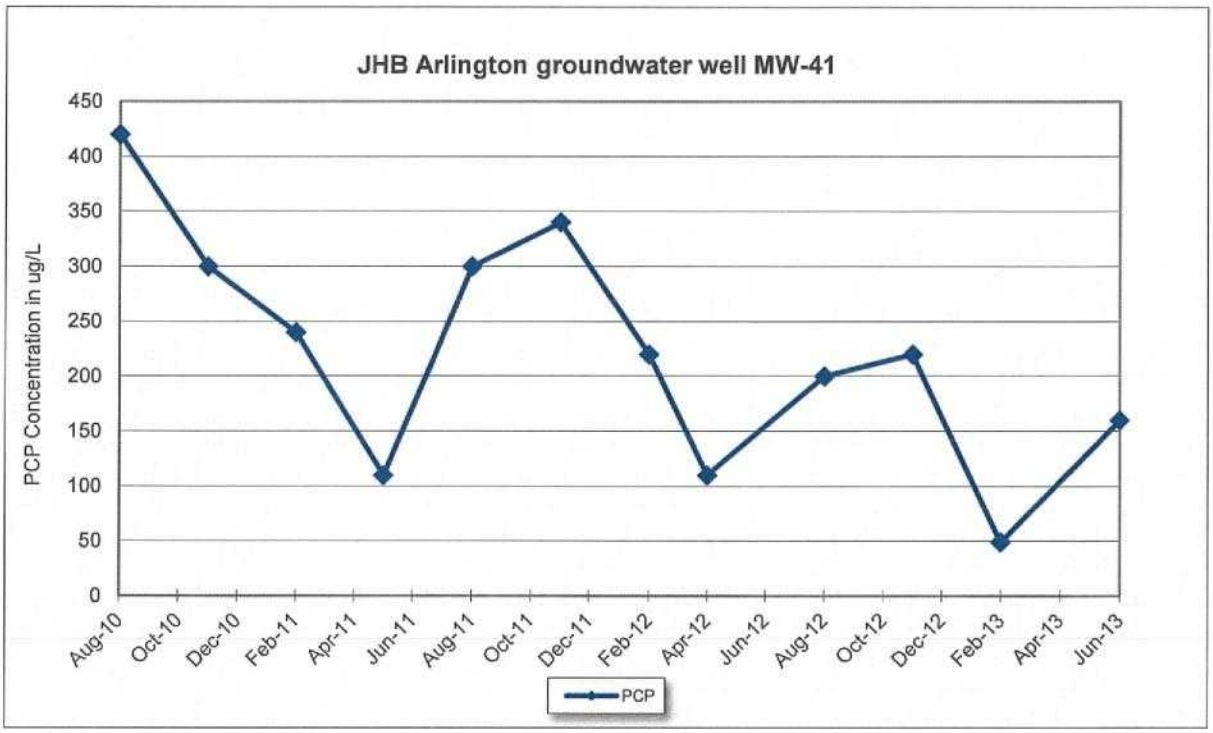

JHB Arlington groundwater well MW-36
PCP Concentration in ug/L
TPAH Concentration in ug/L
300
250
200
150
100
50
0
0.09
0.08
0.07
0.06
0.05
0.04
0.03
0.02
0.01
0
Jan-08
Apr-08
Jul-08
Oct-08
Jan-09
Apr-09
Jul-09
Oct-09
Jan-10
Apr-10
Jul-10
Oct-10
Jan-11
Apr-11
Jul-11
Oct-11
Jan-12
Apr-12
Jul-12
Oct-12
Jan-13
Apr-13
PCP
TPAH

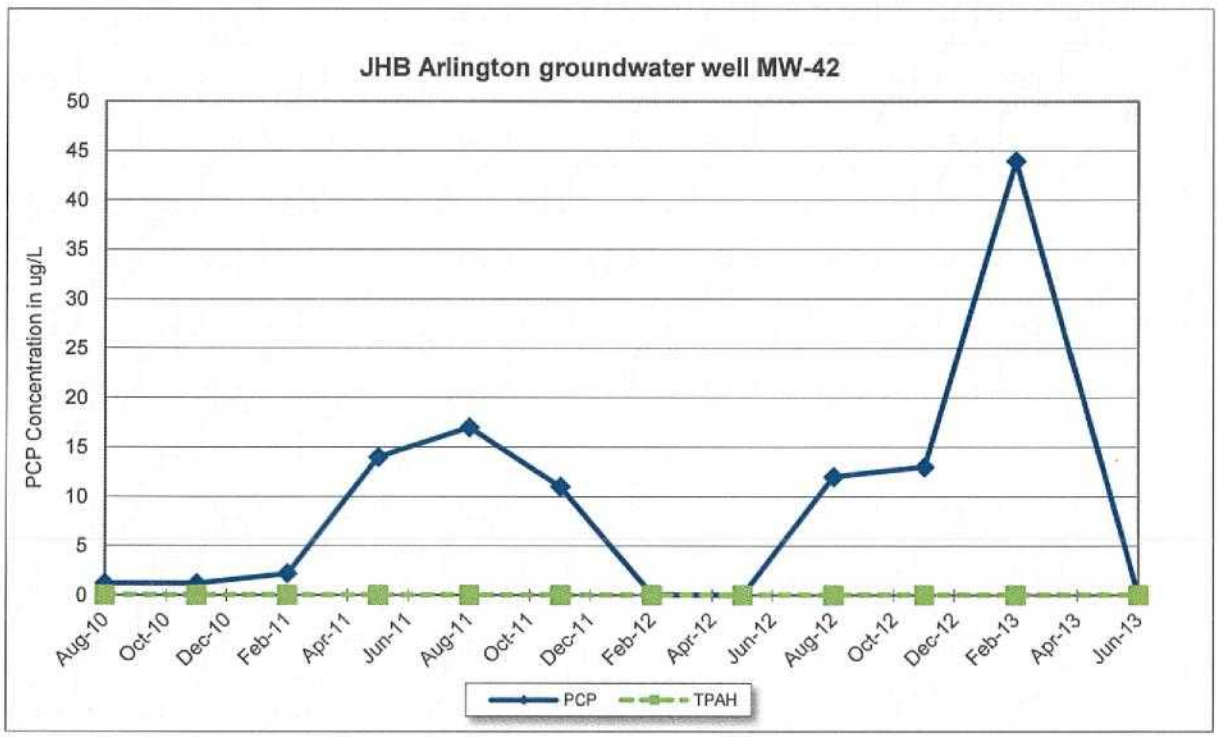

JHB Arlington groundwater well MW-37
PCP Concentration in ug/L
TPAH Concentration in ug/L
1200
1000
800
600
400
200
0
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
Jan-08
Apr-08
Jul-08
Oct-08
Jan-09
Apr-09
Jul-09
Oct-09
Jan-10
Apr-10
Jul-10
Oct-10
Jan-11
Apr-11
Jul-11
Oct-11
Jan-12
Apr-12
Jul-12
Oct-12
Jan-13
Apr-13
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
PCP


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


JHB Arlington groundwater well MW-40
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
PCP


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


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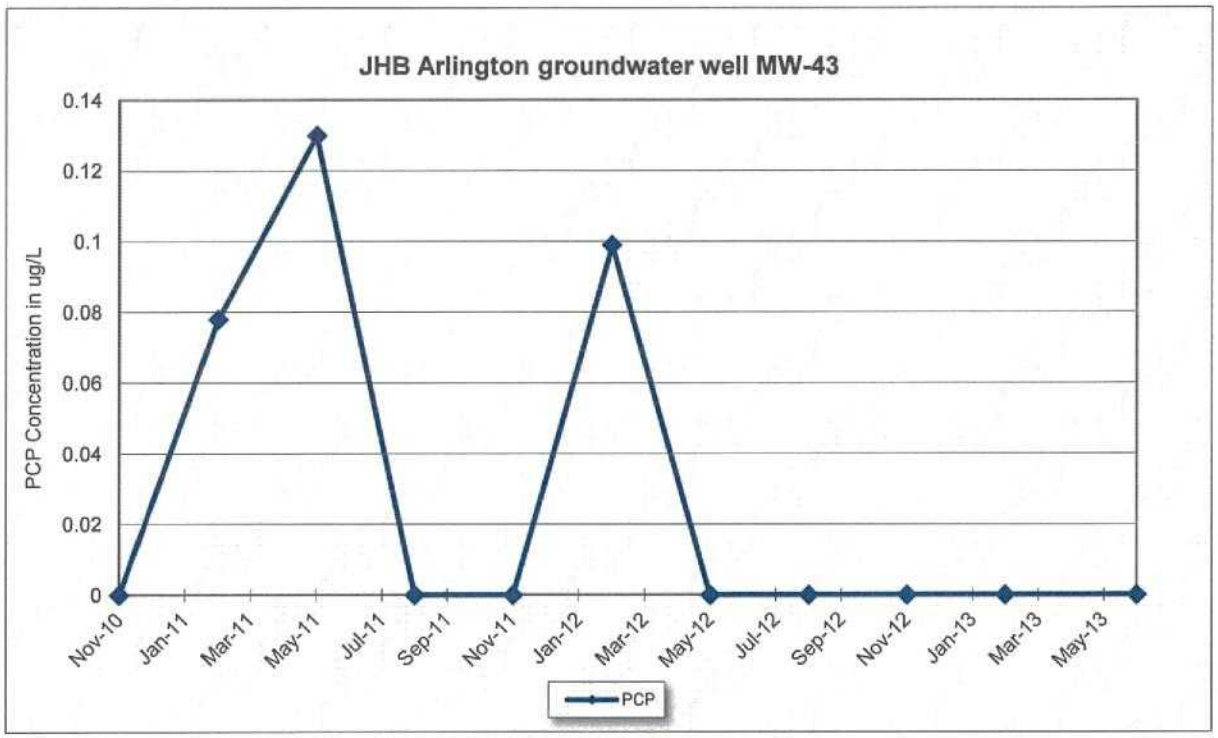
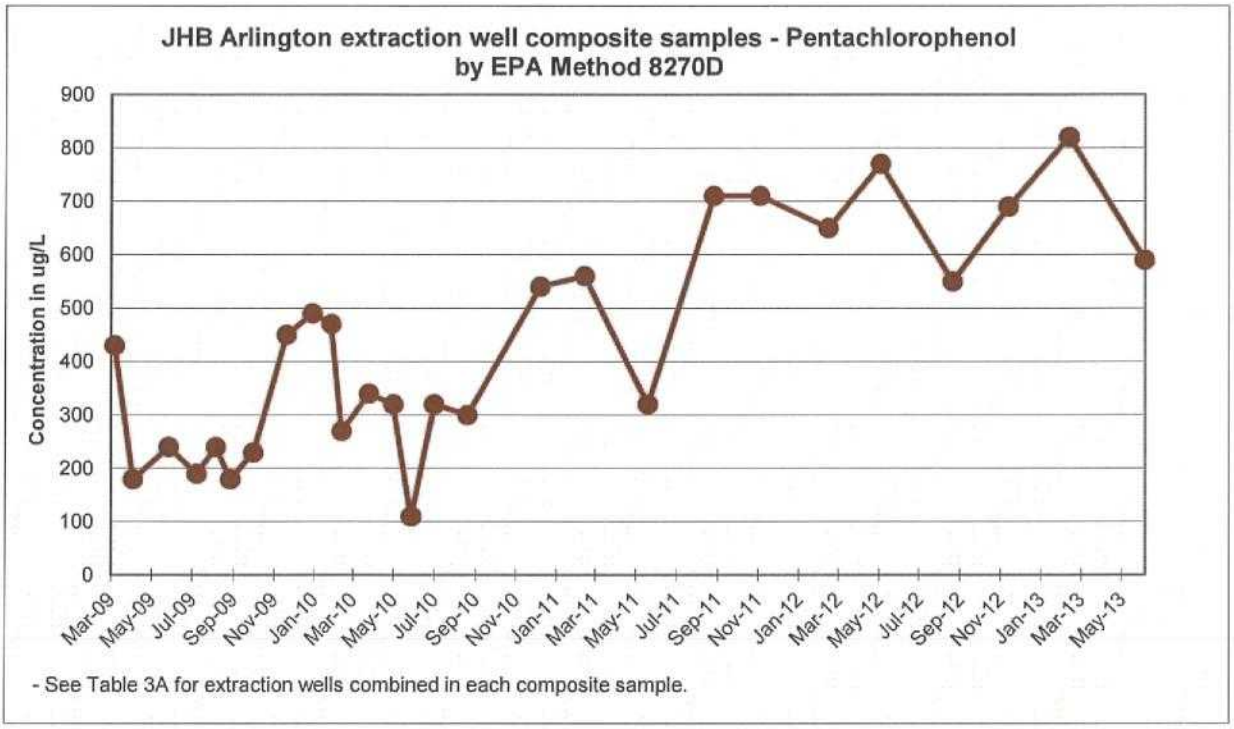
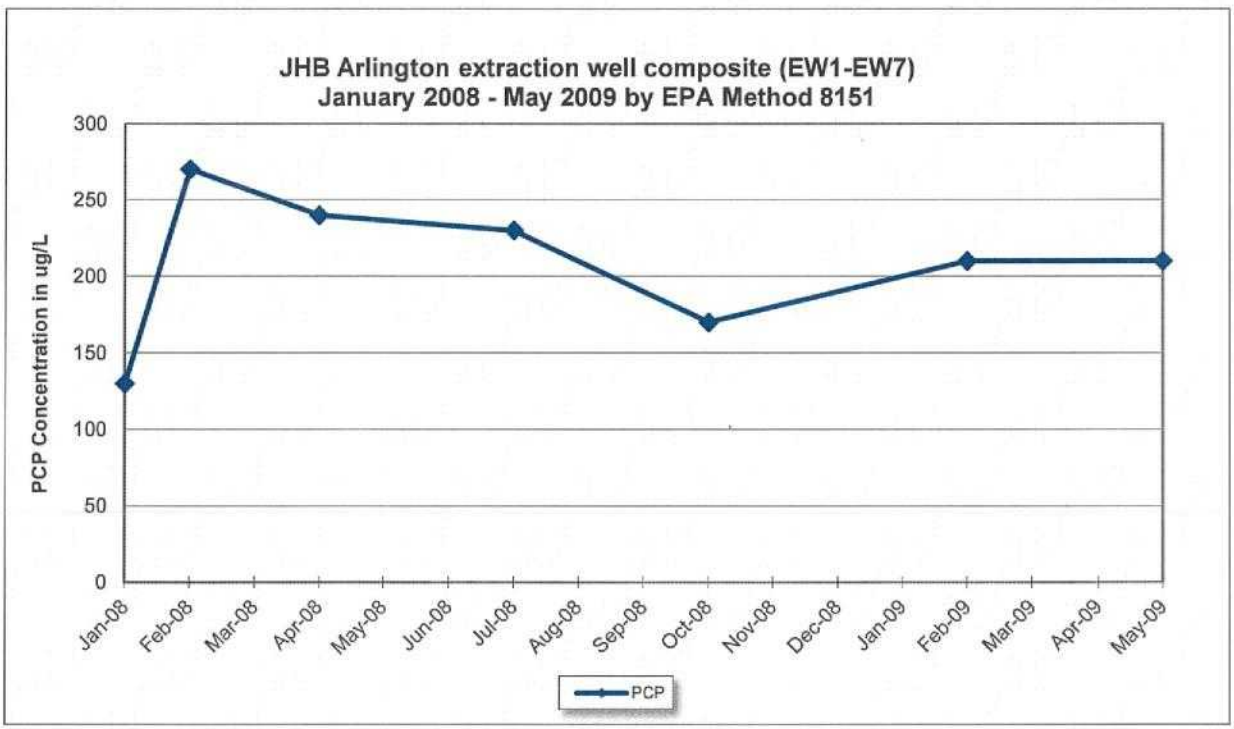
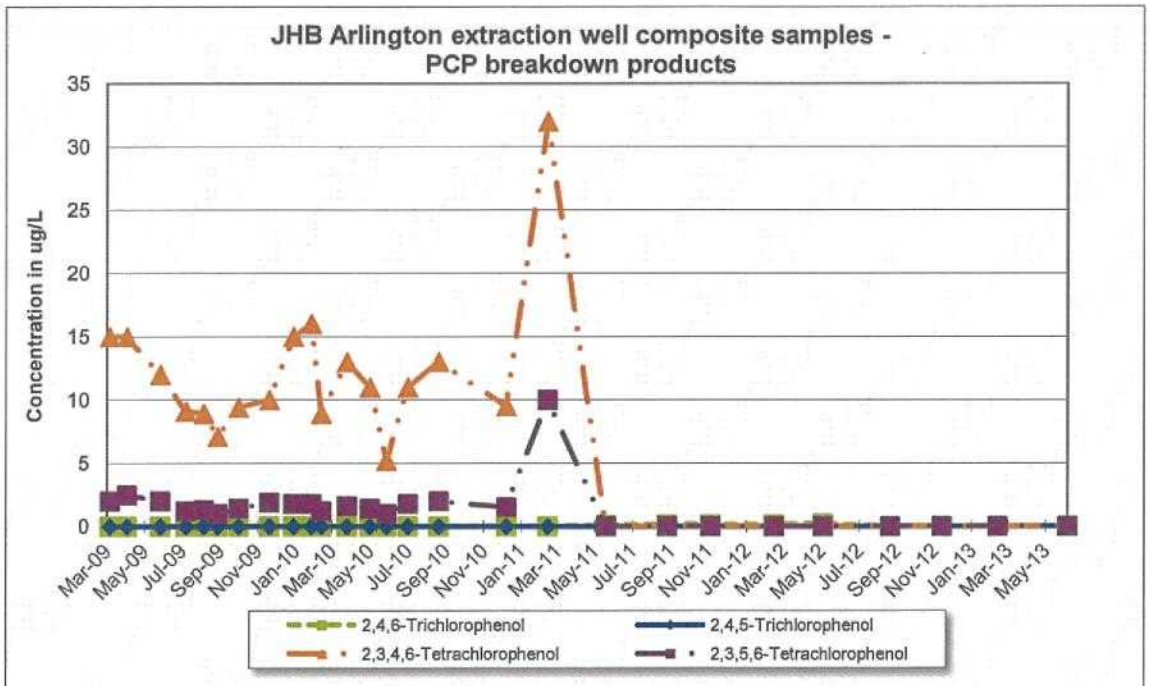
Feb-13
Apr-13
Jun-13
PCP
TPAH


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



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





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

APPENDIX B

APPENDIX B

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

(CD Contains Full Version of Lab Reports)

June 21, 2013

Analytical Report for Service Request No: K1305356

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

RE: J.H. Baxter-Arlington

Dear Scott:

Enclosed are the results of the sample submitted to our laboratory on June 06, 2013. For your reference, these analyses have been assigned our service request number K1305356.

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

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

Respectfully submitted,

ALS Group USA Corp. dba ALS Environmental

Chris Leaf
Project Manager

CL/mj

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

Environmental www.alsglobal.com
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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	1704427-08-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.:**	K1305356
Project:	J.H. Baxter-Arlington	**Date Received:**	6/6/2013
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 6/6/2013. 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.

Chlorinated Phenols by EPA Method 8151

Elevated Detection Limits:
Sample EW 1-4 Comp required a dilution due to the presence of elevated levels of target analyte. The reporting limits were adjusted to reflect the dilution.

Matrix Spike Recovery Exceptions:
The control criteria for matrix spike recovery of Pentachlorophenol for sample EW 1-4 Comp were not applicable. The analysis of this sample required a dilution such that the added spike concentration was diluted below the reporting limit. No further corrective action was required.

The control criteria for the matrix spike recovery of Tetrachlorophenols, Total for sample EW 1-4 Comp were not applicable. The chromatogram indicated non-target matrix background components contributed to the reported matrix spike concentrations. Thus, the reported recoveries contained a high bias. Based on the magnitude of background contribution, the interference appeared to be minimal.

Calibration Verification Exceptions:
The analysis of Chlorinated Phenols by EPA 8151M requires the use of dual column confirmation. When the Continuing Calibration Verification (CCV) criterion is met for both columns, the lower of the two sample results is generally reported. The primary evaluation criteria were not met on the confirmation column for 2,4,5-Trichlorophenol in CCV 0617R063 and 0617R074. The results were reported from the column with an acceptable CCV. The data quality was not affected. No further corrective action was necessary.

The analysis of Chlorinated Phenols by EPA 8151M requires the use of dual column confirmation. When the Continuing Calibration Verification (CCV) criterion is met for both columns, the lower of the two sample results is generally reported. The primary evaluation criteria were not met on the confirmation column for 2,3,5,6-Tetrachlorophenol in CCV 0617P074. The results were reported from the column with an acceptable CCV. The data quality was not affected. No further corrective action was necessary.

No anomalies associated with the analysis of this sample were observed.

Approved by_____

Chain of Custody

SR# K1305356

COC Set ___ of ___

Page 1 OF 1 COC# ___

Columbia Analytical Services

29637 CHAIN OF CUSTODY

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 / 7D	8270D / PAH SIM				Remarks
1 EW 1-4 comp.	6-4	1050		H_2O	2	X					PCP + Breakdown Products
2											
3											
4											
5											
6											
7											
8											
9											
10											
11											

Report Requirements

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

Invoice Information

P.O.#
Bill To: JH BAXTER

Turnaround Requirements

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

Requested Report Date

Circle which metals are to be analyzed

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

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

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

Questions Please Call: STEVE BARNETT
503-639-3400

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

Relinquished By:		Received By:		Relinquished By:		Received By:	
Signature	Date/Time 6-5-13 0715	Signature	Date/Time 6/6/13 920	Signature	Date/Time	Signature	Date/Time
Printed Name SCOTT THIELKE	Firm JH BAXTER	Printed Name	Firm ALS	Printed Name	Firm	Printed Name	Firm

PC CL

Cooler Receipt and Preservation Form

Client / Project: JH Baxter Service Request K13 053560

Received: 6/6/13 Opened: 6/6/13 By: BST Unloaded: 6/6/13 By: BST

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

Raw Cooler Temp	Corrected Cooler Temp	Raw Temp Blank	Corrected Temp Blank	Corr. Factor	Thermometer ID	Cooler/COC ID NA	Tracking Number NA	Filed
1.6	1.3	1.2	0.9	-0.3	332		8684 6030 8791	
2.4	2.2	2.0	1.8	-0.2	294		8020 1659 7478	
1.6	1.3	2.4	2.1	-0.3	298		8020 1659 7467	
0.6	0.4	1.0	0.8	-0.2	331		8020 1659 7489	

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: BT 6/6/13

Sample ID	Bottle Count Bottle Type	Out of Temp	Head-space	Broke	pH	Reagent	Volume added	Reagent Lot Number	Initials	Time
MW-17	1x40mL			X		NA for	K13	0535K	CL	6/7/13

Notes, Discrepancies, & Resolutions: Rec'd 1x 1L 8270 for MW-41, COC only has PCP listed.

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: K1305356

Cover Page - Organic Analysis Data Package
Chlorinated Phenols

Sample Name	Lab Code	Date Collected	Date Received
EW 1-4 Comp	K1305356-001	06/04/2013	06/06/2013
EW 1-4 CompMS	KWG1305587-1	06/04/2013	06/06/2013
EW 1-4 CompDMS	KWG1305587-2	06/04/2013	06/06/2013

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: Lorin E Portwood

Name: Lorin Portwood

Date: 6/21/13

Title:

ALS Group USA, Corp. dba ALS Environmental

Analytical Results

Client:	JH Baxter & Company	**Service Request:**	K1305356
Project:	J.H. Baxter-Arlington	**Date Collected:**	06/04/2013
Sample Matrix:	Water	**Date Received:**	06/06/2013

Chlorinated Phenols

Sample Name:	EW 1-4 Comp	**Units:**	ug/L
Lab Code:	K1305356-001	**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	06/06/13	06/13/13	KWG1305587	
2,4,5-Trichlorophenol	ND	U	1.0	0.19	1	06/06/13	06/13/13	KWG1305587	
Tetrachlorophenols, Total†	ND	Ui	2.4	2.0	1	06/06/13	06/13/13	KWG1305587	
Pentachlorophenol	**590**	D	25	8.0	50	06/06/13	06/18/13	KWG1305587	

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

† Analyte Comments

Tetrachlorophenols, Total	This analyte cannot be separated from 2,3,4,6-Tetrachlorophenol.

Comments:

ALS Group USA, Corp. dba ALS Environmental

Analytical Results

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

Service Request: K1305356
Date Collected: NA
Date Received: NA

Chlorinated Phenols

Sample Name: Method Blank
Lab Code: KWG1305587-4

Units: ug/L
Basis: NA

Extraction Method: Method
Analysis Method: 8151M

Level: Low

Analyte Name	Result	Q	MRL	MDL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Note
2,4,6-Trichlorophenol	ND	U	0.50	0.14	1	06/06/13	06/13/13	KWG1305587	
2,4,5-Trichlorophenol	ND	U	1.0	0.19	1	06/06/13	06/13/13	KWG1305587	
Tetrachlorophenols, Total	ND	U	1.0	0.25	1	06/06/13	06/13/13	KWG1305587	
Pentachlorophenol	ND	U	0.50	0.16	1	06/06/13	06/13/13	KWG1305587	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
4-Bromo-2,6-dichlorophenol	77	33-114	06/13/13	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: K1305356

Surrogate Recovery Summary
Chlorinated Phenols

Extraction Method: Method
Analysis Method: 8151M

Units: Percent
Level: Low

Sample Name	Lab Code	Sur1
EW 1-4 Comp	K1305356-001	79
Method Blank	KWG1305587-4	77
EW 1-4 CompMS	KWG1305587-1	77
EW 1-4 CompDMS	KWG1305587-2	87
Lab Control Sample	KWG1305587-3	88

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:**	K1305356
Project:	J.H. Baxter-Arlington	**Date Extracted:**	06/06/2013
Sample Matrix:	Water	**Date Analyzed:**	06/13/2013 - 06/18/2013

Matrix Spike/Duplicate Matrix Spike Summary
Chlorinated Phenols

Sample Name:	EW 1-4 Comp	**Units:**	ug/L
Lab Code:	K1305356-001	**Basis:**	NA
Extraction Method:	Method	**Level:**	Low
Analysis Method:	8151M	**Extraction Lot:**	KWG1305587

		EW 1-4 CompMS KWG1305587-1 Matrix Spike			EW 1-4 CompDMS KWG1305587-2 Duplicate Matrix Spike					
Analyte Name	**Sample Result**	**Result**	**Spike Amount**	**%Rec**	**Result**	**Spike Amount**	**%Rec**	**%Rec Limits**	**RPD**	**RPD Limit**
2,4,6-Trichlorophenol	ND	6.19	10.0	62	7.09	10.0	71	26-100	14	30
2,4,5-Trichlorophenol	ND	5.72	10.0	57	6.81	10.0	68	10-103	17	30
Tetrachlorophenols, Total	ND	11.5	20.0	58 #	13.5	20.0	67 #	70-130	16	30
Pentachlorophenol	590	631	10.0	436 #	673	10.0	852 #	40-106	6	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
Project: J.H. Baxter-Arlington
Sample Matrix: Water

Service Request: K1305356
Date Extracted: 06/06/2013
Date Analyzed: 06/13/2013

Lab Control Spike Summary
Chlorinated Phenols

Extraction Method: Method
Analysis Method: 8151M

Units: ug/L
Basis: NA
Level: Low
Extraction Lot: KWG1305587

	Lab Control Sample KWG1305587-3 Lab Control Spike			
Analyte Name	**Result**	**Spike Amount**	**%Rec**	**%Rec Limits**
2,4,6-Trichlorophenol	7.22	10.0	72	30-86
2,4,5-Trichlorophenol	6.63	10.0	66	19-94
Tetrachlorophenols, Total	15.2	20.0	76	70-130
Pentachlorophenol	8.88	10.0	89	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:**	K1305356
Project:	J.H. Baxter-Arlington	**Date Extracted:**	06/06/2013
Sample Matrix:	Water	**Date Analyzed:**	06/13/2013
		Time Analyzed:	11:13

Method Blank Summary
Chlorinated Phenols

Sample Name:	Method Blank	**Instrument ID:**	GC16
Lab Code:	KWG1305587-4	**File ID:**	J:\GC16\DATA\061213P2\0612P143.D
Extraction Method:	Method	**Level:**	Low
Analysis Method:	8151M	**Extraction Lot:**	KWG1305587

This Method Blank applies to the following analyses:

Sample Name	Lab Code	File ID	Date Analyzed	Time Analyzed
Lab Control Sample	KWG1305587-3	J:\GC16\DATA\061213P2\0612P142.D	06/13/13	10:53
EW 1-4 Comp	K1305356-001	J:\GC16\DATA\061213P2\0612P144.D	06/13/13	11:32
EW 1-4 CompMS	KWG1305587-1	J:\GC16\DATA\061213P2\0612P145.D	06/13/13	11:52
EW 1-4 CompDMS	KWG1305587-2	J:\GC16\DATA\061213P2\0612P146.D	06/13/13	12:11
EW 1-4 Comp	K1305356-001	J:\GC16\DATA\061713P\0617P069.D	06/18/13	18:25
EW 1-4 CompMS	KWG1305587-1	J:\GC16\DATA\061713P\0617P070.D	06/18/13	18:45
EW 1-4 CompDMS	KWG1305587-2	J:\GC16\DATA\061713P\0617P071.D	06/18/13	19:05

ALS Group USA, Corp. dba ALS Environmental

QA/QC Report

Client:	JH Baxter & Company	**Service Request:**	K1305356
Project:	J.H. Baxter-Arlington	**Date Extracted:**	06/06/2013
Sample Matrix:	Water	**Date Analyzed:**	06/13/2013
		Time Analyzed:	10:53

Lab Control Sample Summary
Chlorinated Phenols

Sample Name:	Lab Control Sample	**Instrument ID:**	GC16
Lab Code:	KWG1305587-3	**File ID:**	J:\GC16\DATA\061213P2\0612P142.D
Extraction Method:	Method	**Level:**	Low
Analysis Method:	8151M	**Extraction Lot:**	KWG1305587

This Lab Control Sample applies to the following analyses:

Sample Name	Lab Code	File ID	Date Analyzed	Time Analyzed
Method Blank	KWG1305587-4	J:\GC16\DATA\061213P2\0612P143.D	06/13/13	11:13
EW 1-4 Comp	K1305356-001	J:\GC16\DATA\061213P2\0612P144.D	06/13/13	11:32
EW 1-4 CompMS	KWG1305587-1	J:\GC16\DATA\061213P2\0612P145.D	06/13/13	11:52
EW 1-4 CompDMS	KWG1305587-2	J:\GC16\DATA\061213P2\0612P146.D	06/13/13	12:11
EW 1-4 Comp	K1305356-001	J:\GC16\DATA\061713P\0617P069.D	06/18/13	18:25
EW 1-4 CompMS	KWG1305587-1	J:\GC16\DATA\061713P\0617P070.D	06/18/13	18:45
EW 1-4 CompDMS	KWG1305587-2	J:\GC16\DATA\061713P\0617P071.D	06/18/13	19:05

ALS Group USA, Corp. dba ALS Environmental

QA/QC Results

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

Service Request: K1305356
Calibration Date: 06/04/2013

Initial Calibration Summary
Chlorinated Phenols

Calibration ID: CAL12508
Instrument ID: GC16

Column: Rtx-1701

Level ID	File ID	Level ID	File ID
A	J:\GC16\DATA\060413P\0604P004.D	F	J:\GC16\DATA\060413P\0604P010.D
B	J:\GC16\DATA\060413P\0604P005.D	G	J:\GC16\DATA\060413P\0604P011.D
C	J:\GC16\DATA\060413P\0604P007.D	H	J:\GC16\DATA\060413P\0604P012.D
D	J:\GC16\DATA\060413P\0604P008.D		
E	J:\GC16\DATA\060413P\0604P009.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	46600	B	5.0	45800	C	25	45400	D	50	45800	E	75	45700
	F	100	43700	G	130	44400	H	150	42700						
2,4,6-Trichlorophenol	A	2.3	55600	B	4.7	52600	C	23	44200	D	47	41700	E	70	40600
	F	93	37800	G	120	37900	H	140	35900						
2,4,5-Trichlorophenol	A	2.3	30700	B	4.7	28900	C	23	23400	D	47	21600	E	70	20700
	F	93	19300	G	120	19100	H	140	18200						
2,3,4,5-Tetrachlorophenol	A	2.4	60200	B	4.7	56600	C	24	47100	D	47	44000	E	71	42600
	F	94	39900	G	120	40000	H	140	38200						
2,3,5,6-Tetrachlorophenol	A	2.4	71500	B	4.7	68200	C	24	59200	D	47	56600	E	71	55400
	F	94	52000	G	120	52200	H	140	50200						
Pentachlorophenol	A	2.4	90800	B	4.8	86700	C	24	71600	D	48	66600	E	71	63500
	F	95	60300	G	120	60500	H	140	58100						

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

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

Service Request: K1305356
Calibration Date: 06/04/2013

Initial Calibration Summary
Chlorinated Phenols

Calibration ID: CAL12508
Instrument ID: GC16

Column: Rtx-1701

Analyte Name	Compound Type	Calibration Evaluation				
		Fit Type	Eval.	Eval. Result	Q	Control Criteria
4-Bromo-2,6-dichlorophenol	SURR	AverageRF	% RSD	2.9		≤ 20
2,4,6-Trichlorophenol	MS	Quadratic	COD	0.999		≥ 0.99
2,4,5-Trichlorophenol	MS	Quadratic	COD	0.999		≥ 0.99
2,3,4,5-Tetrachlorophenol	MS	Quadratic	COD	0.999		≥ 0.99
2,3,5,6-Tetrachlorophenol	MS	Quadratic	COD	1.000		≥ 0.99
Pentachlorophenol	MS	Quadratic	COD	0.999		≥ 0.99

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: K1305356
Calibration Date: 06/04/2013
Date Analyzed: 06/04/2013

Second Source Calibration Verification
Chlorinated Phenols

Calibration Type: External Standard
Analysis Method: 8151M

Calibration ID: CAL12508
Units: ug/L

File ID: J:\GC16\DATA\060413P\0604P014.D

Column ID: Rtx-1701

Analyte Name	Expected	Result	Average RF	SSV RF	%D	%Drift	Criteria	Curve Fit
2,4,6-Trichlorophenol	23	24	43300	45200	NA	3	± 20 %	Quadratic
2,4,5-Trichlorophenol	23	26	22700	25300	NA	11	± 20 %	Quadratic
2,3,4,5-Tetrachlorophenol	24	26	46100	50200	NA	9	± 20 %	Quadratic
2,3,5,6-Tetrachlorophenol	24	26	58100	63500	NA	8	± 20 %	Quadratic
Pentachlorophenol	24	28	69800	79800	NA	16	± 20 %	Quadratic

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: K1305356
Calibration Date: 06/04/2013

Initial Calibration Summary
Chlorinated Phenols

Calibration ID: CAL12508
Instrument ID: GC16

Column: Rtx-35

Level ID	File ID
A	J:\GC16\DATA\060413P\0604P004.D\0604R004.D
B	J:\GC16\DATA\060413P\0604P005.D\0604R005.D
C	J:\GC16\DATA\060413P\0604P007.D\0604R007.D
D	J:\GC16\DATA\060413P\0604P008.D\0604R008.D
E	J:\GC16\DATA\060413P\0604P009.D\0604R009.D
F	J:\GC16\DATA\060413P\0604P010.D\0604R010.D
G	J:\GC16\DATA\060413P\0604P011.D\0604R011.D
H	J:\GC16\DATA\060413P\0604P012.D\0604R012.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	47500	B	5.0	45900	C	25	42200	D	50	40800	E	75	40100
	F	100	37700	G	130	37800	H	150	36200						
2,4,6-Trichlorophenol	A	2.3	55600	B	4.7	51800	C	23	41500	D	47	38200	E	70	36400
	F	93	34000	G	120	33600	H	140	32000						
2,4,5-Trichlorophenol	A	2.3	21700	B	4.7	20700	C	23	16500	D	47	15300	E	70	14900
	F	93	14300	G	120	14000	H	140	13300						
2,3,4,5-Tetrachlorophenol	A	2.4	57400	B	4.7	54000	C	24	43200	D	47	38700	E	71	36900
	F	94	34900	G	120	34600	H	140	33000						
2,3,5,6-Tetrachlorophenol	A	2.4	71600	B	4.7	68200	C	24	56800	D	47	52700	E	71	50900
	F	94	47300	G	120	47100	H	140	44900						
Pentachlorophenol	A	2.4	86400	B	4.8	78900	C	24	63400	D	48	56700	E	71	54600
	F	95	51300	G	120	50900	H	140	48800						

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

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

Service Request: K1305356
Calibration Date: 06/04/2013

Initial Calibration Summary
Chlorinated Phenols

Calibration ID: CAL12508
Instrument ID: GC16

Column: Rtx-35

Analyte Name	Compound Type	Calibration Evaluation				
		Fit Type	Eval.	Eval. Result	Q	Control Criteria
4-Bromo-2,6-dichlorophenol	SURR	AverageRF	% RSD	9.8		≤ 20
2,4,6-Trichlorophenol	MS	Quadratic	COD	0.999		≥ 0.99
2,4,5-Trichlorophenol	MS	Quadratic	COD	1.000		≥ 0.99
2,3,4,5-Tetrachlorophenol	MS	Quadratic	COD	0.999		≥ 0.99
2,3,5,6-Tetrachlorophenol	MS	Quadratic	COD	0.999		≥ 0.99
Pentachlorophenol	MS	Quadratic	COD	0.999		≥ 0.99

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: K1305356
Calibration Date: 06/04/2013
Date Analyzed: 06/04/2013

Second Source Calibration Verification
Chlorinated Phenols

Calibration Type: External Standard
Analysis Method: 8151M

Calibration ID: CAL12508
Units: ug/L

File ID: J:\GC16\DATA\060413P\0604P014.D\0604R014.D

Column ID: Rtx-35

Analyte Name	Expected	Result	Average RF	SSV RF	%D	%Drift	Criteria	Curve Fit
2,4,6-Trichlorophenol	23	25	40400	43300	NA	7	± 20 %	Quadratic
2,4,5-Trichlorophenol	23	27	16400	18500	NA	14	± 20 %	Quadratic
2,3,4,5-Tetrachlorophenol	24	26	41600	45700	NA	11	± 20 %	Quadratic
2,3,5,6-Tetrachlorophenol	24	26	54900	60900	NA	10	± 20 %	Quadratic
Pentachlorophenol	24	28	61400	70800	NA	18	± 20 %	Quadratic

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: K1305356
Date Analyzed: 06/13/2013

Continuing Calibration Verification Summary
Chlorinated Phenols

Calibration Type: External Standard
Analysis Method: 8151M

Calibration Date: 06/04/2013
Calibration ID: CAL12508
Analysis Lot: KWG1305826
Units: ug/L

File ID: J:\GC16\DATA\061213P2\0612P140.D

Column ID: Rtx-1701

Analyte Name	Expected	Result	Average RF	CCV RF	%D	%Drift	Criteria	Curve Fit
4-Bromo-2,6-dichlorophenol	50	56	45000	50000	11	NA	± 20 %	AverageRF
2,4,6-Trichlorophenol	47	51	43300	45200	NA	9	± 20 %	Quadratic
2,4,5-Trichlorophenol	47	50	22700	23200	NA	8	± 20 %	Quadratic
2,3,4,5-Tetrachlorophenol	47	53	46100	48700	NA	11	± 20 %	Quadratic
2,3,5,6-Tetrachlorophenol	47	52	58100	62300	NA	11	± 20 %	Quadratic
Pentachlorophenol	48	53	69800	73700	NA	12	± 20 %	Quadratic

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: K1305356
Date Analyzed: 06/13/2013

Continuing Calibration Verification Summary
Chlorinated Phenols

Calibration Type: External Standard
Analysis Method: 8151M

Calibration Date: 06/04/2013
Calibration ID: CAL12508
Analysis Lot: KWG1305826
Units: ug/L

File ID: J:\GC16\DATA\061213P2\0612P140.D\0612R140.D

Column ID: Rtx-35

Analyte Name	Expected	Result	Average RF	CCV RF	%D	%Drift	Criteria	Curve Fit
4-Bromo-2,6-dichlorophenol	50	54	41000	44300	8	NA	± 20 %	AverageRF
2,4,6-Trichlorophenol	47	50	40400	40800	NA	8	± 20 %	Quadratic
2,4,5-Trichlorophenol	47	47	16400	15700	NA	2	± 20 %	Quadratic
2,3,4,5-Tetrachlorophenol	47	52	41600	42400	NA	10	± 20 %	Quadratic
2,3,5,6-Tetrachlorophenol	47	51	54900	57100	NA	9	± 20 %	Quadratic
Pentachlorophenol	48	53	61400	62800	NA	11	± 20 %	Quadratic

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: K1305356
Date Analyzed: 06/13/2013

Continuing Calibration Verification Summary
Chlorinated Phenols

Calibration Type: External Standard
Analysis Method: 8151M

Calibration Date: 06/04/2013
Calibration ID: CAL12508
Analysis Lot: KWG1305826
Units: ug/L

File ID: J:\GC16\DATA\061213P2\0612P153.D

Column ID: Rtx-1701

Analyte Name	Expected	Result	Average RF	CCV RF	%D	%Drift	Criteria	Curve Fit
4-Bromo-2,6-dichlorophenol	50	51	45000	46200	3	NA	± 20 %	AverageRF
2,4,6-Trichlorophenol	47	47	43300	41900	NA	0	± 20 %	Quadratic
2,4,5-Trichlorophenol	47	47	22700	21700	NA	0	± 20 %	Quadratic
2,3,4,5-Tetrachlorophenol	47	49	46100	45500	NA	4	± 20 %	Quadratic
2,3,5,6-Tetrachlorophenol	47	49	58100	58200	NA	3	± 20 %	Quadratic
Pentachlorophenol	48	50	69800	69300	NA	5	± 20 %	Quadratic

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: K1305356
Date Analyzed: 06/13/2013

Continuing Calibration Verification Summary
Chlorinated Phenols

Calibration Type: External Standard
Analysis Method: 8151M

Calibration Date: 06/04/2013
Calibration ID: CAL12508
Analysis Lot: KWG1305826
Units: ug/L

File ID: J:\GC16\DATA\061213P2\0612P153.D\0612R153.D

Column ID: Rtx-35

Analyte Name	Expected	Result	Average RF	CCV RF	%D	%Drift	Criteria	Curve Fit
4-Bromo-2,6-dichlorophenol	50	50	41000	40800	-1	NA	± 20 %	AverageRF
2,4,6-Trichlorophenol	47	46	40400	37600	NA	-2	± 20 %	Quadratic
2,4,5-Trichlorophenol	47	43	16400	14300	NA	-8	± 20 %	Quadratic
2,3,4,5-Tetrachlorophenol	47	48	41600	39900	NA	3	± 20 %	Quadratic
2,3,5,6-Tetrachlorophenol	47	47	54900	53000	NA	0	± 20 %	Quadratic
Pentachlorophenol	48	49	61400	59000	NA	3	± 20 %	Quadratic

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: K1305356
Date Analyzed: 06/18/2013

Continuing Calibration Verification Summary
Chlorinated Phenols

Calibration Type: External Standard
Analysis Method: 8151M

Calibration Date: 06/04/2013
Calibration ID: CAL12508
Analysis Lot: KWG1305945
Units: ug/L

File ID: J:\GC16\DATA\061713P\0617P063.D

Column ID: Rtx-1701

Analyte Name	Expected	Result	Average RF	CCV RF	%D	%Drift	Criteria	Curve Fit
4-Bromo-2,6-dichlorophenol	50	55	45000	49200	9	NA	± 20 %	AverageRF
2,4,6-Trichlorophenol	47	52	43300	45800	NA	10	± 20 %	Quadratic
2,4,5-Trichlorophenol	47	44	22700	20700	NA	-5	± 20 %	Quadratic
2,3,4,5-Tetrachlorophenol	47	48	46100	44700	NA	2	± 20 %	Quadratic
2,3,5,6-Tetrachlorophenol	47	55	58100	65300	NA	16	± 20 %	Quadratic
Pentachlorophenol	48	48	69800	66700	NA	1	± 20 %	Quadratic

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: K1305356
Date Analyzed: 06/18/2013

Continuing Calibration Verification Summary
Chlorinated Phenols

Calibration Type: External Standard
Analysis Method: 8151M

Calibration Date: 06/04/2013
Calibration ID: CAL12508
Analysis Lot: KWG1305945
Units: ug/L

File ID: J:\GC16\DATA\061713P\0617P063.D\0617R063.D

Column ID: Rtx-35

Analyte Name	Expected	Result	Average RF	CCV RF	%D	%Drift	Criteria	Curve Fit
4-Bromo-2,6-dichlorophenol	50	52	41000	42700	4	NA	± 20 %	AverageRF
2,4,6-Trichlorophenol	47	49	40400	39600	NA	4	± 20 %	Quadratic
2,4,5-Trichlorophenol	47	33	16400	11300	NA	-29 *	± 20 %	Quadratic
2,3,4,5-Tetrachlorophenol	47	48	41600	39800	NA	2	± 20 %	Quadratic
2,3,5,6-Tetrachlorophenol	47	52	54900	57600	NA	10	± 20 %	Quadratic
Pentachlorophenol	48	47	61400	57000	NA	0	± 20 %	Quadratic

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: K1305356
Date Analyzed: 06/18/2013

Continuing Calibration Verification Summary
Chlorinated Phenols

Calibration Type: External Standard
Analysis Method: 8151M

Calibration Date: 06/04/2013
Calibration ID: CAL12508
Analysis Lot: KWG1305945
Units: ug/L

File ID: J:\GC16\DATA\061713P\0617P074.D

Column ID: Rtx-1701

Analyte Name	Expected	Result	Average RF	CCV RF	%D	%Drift		Criteria	Curve Fit
4-Bromo-2,6-dichlorophenol	50	55	45000	49400	10	NA		± 20 %	AverageRF
2,4,6-Trichlorophenol	47	52	43300	46200	NA	12		± 20 %	Quadratic
2,4,5-Trichlorophenol	47	44	22700	20400	NA	-6		± 20 %	Quadratic
2,3,4,5-Tetrachlorophenol	47	47	46100	44400	NA	1		± 20 %	Quadratic
2,3,5,6-Tetrachlorophenol	47	57	58100	67800	NA	21	*	± 20 %	Quadratic
Pentachlorophenol	48	47	69800	66100	NA	0		± 20 %	Quadratic

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: K1305356
Date Analyzed: 06/18/2013

Continuing Calibration Verification Summary
Chlorinated Phenols

Calibration Type: External Standard
Analysis Method: 8151M

Calibration Date: 06/04/2013
Calibration ID: CAL12508
Analysis Lot: KWG1305945
Units: ug/L

File ID: J:\GC16\DATA\061713P\0617P074.D\0617R074.D

Column ID: Rtx-35

Analyte Name	Expected	Result	Average RF	CCV RF	%D	%Drift	Criteria	Curve Fit
4-Bromo-2,6-dichlorophenol	50	52	41000	42900	5	NA	± 20 %	AverageRF
2,4,6-Trichlorophenol	47	49	40400	39900	NA	5	± 20 %	Quadratic
2,4,5-Trichlorophenol	47	30	16400	10400	NA	-35 *	± 20 %	Quadratic
2,3,4,5-Tetrachlorophenol	47	48	41600	39700	NA	2	± 20 %	Quadratic
2,3,5,6-Tetrachlorophenol	47	53	54900	59000	NA	13	± 20 %	Quadratic
Pentachlorophenol	48	47	61400	57000	NA	0	± 20 %	Quadratic

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

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

Service Request: K1305356

Analysis Run Log
Chlorinated Phenols

Analysis Method: 8151M

Analysis Lot: KWG1305826
Instrument ID: GC16
Column: Rtx-1701

File ID	Sample Name	Lab Code	Date Analysis Started	Start Time	Q	Date Analysis Finished	Finish Time
0612P103.D	Continuing Calibration Verification	KWG1305826-1	6/12/2013	22:12		6/12/2013	22:27
0612P104.D	Instrument Blank	KWG1305826-2	6/12/2013	22:32		6/12/2013	22:47
0612P105.D	ZZZZZZ	ZZZZZZ	6/12/2013	22:51		6/12/2013	23:06
0612P106.D	ZZZZZZ	ZZZZZZ	6/12/2013	23:11		6/12/2013	23:26
0612P107.D	ZZZZZZ	ZZZZZZ	6/12/2013	23:30		6/12/2013	23:45
0612P108.D	ZZZZZZ	ZZZZZZ	6/12/2013	23:50		6/13/2013	00:05
0612P109.D	ZZZZZZ	ZZZZZZ	6/13/2013	00:09		6/13/2013	00:24
0612P110.D	ZZZZZZ	ZZZZZZ	6/13/2013	00:29		6/13/2013	00:44
0612P111.D	ZZZZZZ	ZZZZZZ	6/13/2013	00:48		6/13/2013	01:03
0612P112.D	ZZZZZZ	ZZZZZZ	6/13/2013	01:08		6/13/2013	01:23
0612P113.D	ZZZZZZ	ZZZZZZ	6/13/2013	01:27		6/13/2013	01:42
0612P114.D	ZZZZZZ	ZZZZZZ	6/13/2013	01:47		6/13/2013	02:02
0612P115.D	ZZZZZZ	ZZZZZZ	6/13/2013	02:06		6/13/2013	02:21
0612P116.D	Continuing Calibration Verification	KWG1305826-3	6/13/2013	02:26		6/13/2013	02:41
0612P117.D	Instrument Blank	KWG1305826-4	6/13/2013	02:45		6/13/2013	03:00
0612P118.D	ZZZZZZ	ZZZZZZ	6/13/2013	03:05		6/13/2013	03:20
0612P119.D	ZZZZZZ	ZZZZZZ	6/13/2013	03:24		6/13/2013	03:39
0612P120.D	ZZZZZZ	ZZZZZZ	6/13/2013	03:44		6/13/2013	03:59
0612P121.D	ZZZZZZ	ZZZZZZ	6/13/2013	04:03		6/13/2013	04:18
0612P122.D	ZZZZZZ	ZZZZZZ	6/13/2013	04:23		6/13/2013	04:38
0612P123.D	ZZZZZZ	ZZZZZZ	6/13/2013	04:42		6/13/2013	04:57
0612P124.D	ZZZZZZ	ZZZZZZ	6/13/2013	05:02		6/13/2013	05:17
0612P125.D	ZZZZZZ	ZZZZZZ	6/13/2013	05:21		6/13/2013	05:36
0612P126.D	ZZZZZZ	ZZZZZZ	6/13/2013	05:41		6/13/2013	05:56
0612P127.D	ZZZZZZ	ZZZZZZ	6/13/2013	06:00		6/13/2013	06:15
0612P128.D	ZZZZZZ	ZZZZZZ	6/13/2013	06:20		6/13/2013	06:35
0612P129.D	Continuing Calibration Verification	KWG1305826-5	6/13/2013	06:39		6/13/2013	06:54
0612P130.D	Instrument Blank	KWG1305826-6	6/13/2013	06:59		6/13/2013	07:14
0612P131.D	ZZZZZZ	ZZZZZZ	6/13/2013	07:18		6/13/2013	07:33
0612P132.D	ZZZZZZ	ZZZZZZ	6/13/2013	07:38		6/13/2013	07:53
0612P133.D	ZZZZZZ	ZZZZZZ	6/13/2013	07:57		6/13/2013	08:12
0612P134.D	ZZZZZZ	ZZZZZZ	6/13/2013	08:17		6/13/2013	08:32
0612P135.D	ZZZZZZ	ZZZZZZ	6/13/2013	08:36		6/13/2013	08:51
0612P136.D	ZZZZZZ	ZZZZZZ	6/13/2013	08:56		6/13/2013	09:11

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: K1305356

Analysis Run Log
Chlorinated Phenols

Analysis Method: 8151M

Analysis Lot: KWG1305826
Instrument ID: GC16
Column: Rtx-1701

File ID	Sample Name	Lab Code	Date Analysis Started	Start Time	Q	Date Analysis Finished	Finish Time
0612P137.D	ZZZZZZ	ZZZZZZ	6/13/2013	09:15		6/13/2013	09:30
0612P138.D	ZZZZZZ	ZZZZZZ	6/13/2013	09:35		6/13/2013	09:50
0612P139.D	ZZZZZZ	ZZZZZZ	6/13/2013	09:54		6/13/2013	10:09
0612P140.D	Continuing Calibration Verification	KWG1305826-7	6/13/2013	10:14		6/13/2013	10:29
0612P141.D	Instrument Blank	KWG1305826-8	6/13/2013	10:33		6/13/2013	10:48
0612P142.D	Lab Control Sample	KWG1305587-3	6/13/2013	10:53		6/13/2013	11:08
0612P143.D	Method Blank	KWG1305587-4	6/13/2013	11:13		6/13/2013	11:28
0612P144.D	EW 1-4 Comp	K1305356-001	6/13/2013	11:32		6/13/2013	11:47
0612P145.D	EW 1-4 CompMS	KWG1305587-1	6/13/2013	11:52		6/13/2013	12:07
0612P146.D	EW 1-4 CompDMS	KWG1305587-2	6/13/2013	12:11		6/13/2013	12:26
0612P147.D	ZZZZZZ	ZZZZZZ	6/13/2013	12:50		6/13/2013	13:05
0612P148.D	ZZZZZZ	ZZZZZZ	6/13/2013	13:10		6/13/2013	13:25
0612P149.D	ZZZZZZ	ZZZZZZ	6/13/2013	13:29		6/13/2013	13:44
0612P150.D	ZZZZZZ	ZZZZZZ	6/13/2013	13:49		6/13/2013	14:04
0612P151.D	ZZZZZZ	ZZZZZZ	6/13/2013	14:08		6/13/2013	14:23
0612P152.D	ZZZZZZ	ZZZZZZ	6/13/2013	14:28		6/13/2013	14:43
0612P153.D	Continuing Calibration Verification	KWG1305826-9	6/13/2013	14:47		6/13/2013	15:02
0612P154.D	Instrument Blank	KWG1305826-10	6/13/2013	15:07		6/13/2013	15:22
0612P155.D	ZZZZZZ	ZZZZZZ	6/13/2013	15:26		6/13/2013	15:41
0612P156.D	ZZZZZZ	ZZZZZZ	6/13/2013	16:06		6/13/2013	16:21
0612P157.D	ZZZZZZ	ZZZZZZ	6/13/2013	16:25		6/13/2013	16:40
0612P158.D	ZZZZZZ	ZZZZZZ	6/13/2013	16:45		6/13/2013	17:00
0612P159.D	ZZZZZZ	ZZZZZZ	6/13/2013	17:04		6/13/2013	17:19
0612P160.D	ZZZZZZ	ZZZZZZ	6/13/2013	17:24		6/13/2013	17:39
0612P161.D	ZZZZZZ	ZZZZZZ	6/13/2013	17:43		6/13/2013	17:58
0612P162.D	ZZZZZZ	ZZZZZZ	6/13/2013	18:03		6/13/2013	18:18
0612P163.D	Continuing Calibration Verification	KWG1305826-11	6/13/2013	18:22		6/13/2013	18:37
0612P164.D	Instrument Blank	KWG1305826-12	6/13/2013	18:42		6/13/2013	18:57

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: K1305356

Analysis Run Log
Chlorinated Phenols

Analysis Method: 8151M

Analysis Lot: KWG1305945
Instrument ID: GC16
Column: Rtx-1701

File ID	Sample Name	Lab Code	Date Analysis Started	Start Time	Q	Date Analysis Finished	Finish Time
0617P016.D	Continuing Calibration Verification	KWG1305945-1	6/18/2013	00:47		6/18/2013	01:02
0617P017.D	Instrument Blank	KWG1305945-2	6/18/2013	01:07		6/18/2013	01:22
0617P018.D	ZZZZZZ	ZZZZZZ	6/18/2013	01:26		6/18/2013	01:41
0617P019.D	ZZZZZZ	ZZZZZZ	6/18/2013	01:46		6/18/2013	02:01
0617P020.D	ZZZZZZ	ZZZZZZ	6/18/2013	02:05		6/18/2013	02:20
0617P021.D	ZZZZZZ	ZZZZZZ	6/18/2013	02:25		6/18/2013	02:40
0617P022.D	ZZZZZZ	ZZZZZZ	6/18/2013	02:44		6/18/2013	02:59
0617P023.D	ZZZZZZ	ZZZZZZ	6/18/2013	03:04		6/18/2013	03:19
0617P024.D	ZZZZZZ	ZZZZZZ	6/18/2013	03:23		6/18/2013	03:38
0617P025.D	ZZZZZZ	ZZZZZZ	6/18/2013	03:43		6/18/2013	03:58
0617P026.D	ZZZZZZ	ZZZZZZ	6/18/2013	04:02		6/18/2013	04:17
0617P027.D	ZZZZZZ	ZZZZZZ	6/18/2013	04:22		6/18/2013	04:37
0617P028.D	ZZZZZZ	ZZZZZZ	6/18/2013	04:42		6/18/2013	04:57
0617P029.D	Continuing Calibration Verification	KWG1305945-3	6/18/2013	05:01		6/18/2013	05:16
0617P030.D	Instrument Blank	KWG1305945-4	6/18/2013	05:21		6/18/2013	05:36
0617P031.D	ZZZZZZ	ZZZZZZ	6/18/2013	05:40		6/18/2013	05:55
0617P032.D	ZZZZZZ	ZZZZZZ	6/18/2013	06:00		6/18/2013	06:15
0617P033.D	ZZZZZZ	ZZZZZZ	6/18/2013	06:19		6/18/2013	06:34
0617P034.D	ZZZZZZ	ZZZZZZ	6/18/2013	06:39		6/18/2013	06:54
0617P035.D	ZZZZZZ	ZZZZZZ	6/18/2013	06:58		6/18/2013	07:13
0617P036.D	ZZZZZZ	ZZZZZZ	6/18/2013	07:18		6/18/2013	07:33
0617P037.D	ZZZZZZ	ZZZZZZ	6/18/2013	07:38		6/18/2013	07:53
0617P038.D	ZZZZZZ	ZZZZZZ	6/18/2013	07:57		6/18/2013	08:12
0617P039.D	ZZZZZZ	ZZZZZZ	6/18/2013	08:17		6/18/2013	08:32
0617P040.D	Continuing Calibration Verification	KWG1305945-5	6/18/2013	08:37		6/18/2013	08:52
0617P041.D	Instrument Blank	KWG1305945-6	6/18/2013	08:56		6/18/2013	09:11
0617P043.D	ZZZZZZ	ZZZZZZ	6/18/2013	09:36		6/18/2013	09:51
0617P044.D	ZZZZZZ	ZZZZZZ	6/18/2013	09:55		6/18/2013	10:10
0617P045.D	ZZZZZZ	ZZZZZZ	6/18/2013	10:15		6/18/2013	10:30
0617P046.D	ZZZZZZ	ZZZZZZ	6/18/2013	10:35		6/18/2013	10:50
0617P047.D	ZZZZZZ	ZZZZZZ	6/18/2013	10:54		6/18/2013	11:09
0617P048.D	ZZZZZZ	ZZZZZZ	6/18/2013	11:14		6/18/2013	11:29
0617P049.D	ZZZZZZ	ZZZZZZ	6/18/2013	11:33		6/18/2013	11:48
0617P050.D	ZZZZZZ	ZZZZZZ	6/18/2013	11:53		6/18/2013	12:08

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: K1305356

Analysis Run Log
Chlorinated Phenols

Analysis Method: 8151M

Analysis Lot: KWG1305945
Instrument ID: GC16
Column: Rtx-1701

File ID	Sample Name	Lab Code	Date Analysis Started	Start Time	Q	Date Analysis Finished	Finish Time
0617P051.D	ZZZZZZ	ZZZZZZ	6/18/2013	12:13		6/18/2013	12:28
0617P052.D	ZZZZZZ	ZZZZZZ	6/18/2013	12:32		6/18/2013	12:47
0617P053.D	ZZZZZZ	ZZZZZZ	6/18/2013	12:52		6/18/2013	13:07
0617P054.D	Continuing Calibration Verification	KWG1305945-7	6/18/2013	13:11		6/18/2013	13:26
0617P055.D	Instrument Blank	KWG1305945-8	6/18/2013	13:31		6/18/2013	13:46
0617P056.D	ZZZZZZ	ZZZZZZ	6/18/2013	14:10		6/18/2013	14:25
0617P057.D	ZZZZZZ	ZZZZZZ	6/18/2013	14:30		6/18/2013	14:45
0617P058.D	ZZZZZZ	ZZZZZZ	6/18/2013	14:49		6/18/2013	15:04
0617P059.D	ZZZZZZ	ZZZZZZ	6/18/2013	15:09		6/18/2013	15:24
0617P060.D	ZZZZZZ	ZZZZZZ	6/18/2013	15:29		6/18/2013	15:44
0617P061.D	ZZZZZZ	ZZZZZZ	6/18/2013	15:48		6/18/2013	16:03
0617P062.D	ZZZZZZ	ZZZZZZ	6/18/2013	16:08		6/18/2013	16:23
0617P063.D	Continuing Calibration Verification	KWG1305945-9	6/18/2013	16:27		6/18/2013	16:42
0617P064.D	Instrument Blank	KWG1305945-10	6/18/2013	16:47		6/18/2013	17:02
0617P065.D	ZZZZZZ	ZZZZZZ	6/18/2013	17:07		6/18/2013	17:22
0617P066.D	ZZZZZZ	ZZZZZZ	6/18/2013	17:26		6/18/2013	17:41
0617P067.D	ZZZZZZ	ZZZZZZ	6/18/2013	17:46		6/18/2013	18:01
0617P068.D	ZZZZZZ	ZZZZZZ	6/18/2013	18:06		6/18/2013	18:21
0617P069.D	EW 1-4 Comp	K1305356-001	6/18/2013	18:25		6/18/2013	18:40
0617P070.D	EW 1-4 CompMS	KWG1305587-1	6/18/2013	18:45		6/18/2013	19:00
0617P071.D	EW 1-4 CompDMS	KWG1305587-2	6/18/2013	19:05		6/18/2013	19:20
0617P072.D	ZZZZZZ	ZZZZZZ	6/18/2013	19:24		6/18/2013	19:39
0617P074.D	Continuing Calibration Verification	KWG1305945-11	6/18/2013	20:03		6/18/2013	20:18
0617P075.D	Instrument Blank	KWG1305945-12	6/18/2013	20:23		6/18/2013	20:38
0617P076.D	ZZZZZZ	ZZZZZZ	6/18/2013	20:43		6/18/2013	20:58
0617P077.D	ZZZZZZ	ZZZZZZ	6/18/2013	21:02		6/18/2013	21:17
0617P078.D	Continuing Calibration Verification	KWG1305945-13	6/18/2013	21:22		6/18/2013	21:37
0617P079.D	Instrument Blank	KWG1305945-14	6/18/2013	21:42		6/18/2013	21:57

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: K1305356
Date Extracted: 06/06/2013

Extraction Prep Log
Chlorinated Phenols

Extraction Method: Method
Analysis Method: 8151M

Extraction Lot: KWG1305587
Level: Low

Sample Name	Lab Code	Date Collected	Date Received	Sample Amount	Final Volume	% Solids	Note
EW 1-4 Comp	K1305356-001	06/04/13	06/06/13	5mL	1mL	NA	
EW 1-4 CompDL	K1305356-001	06/04/13	06/06/13	5mL	1mL	NA	
Method Blank	KWG1305587-4	NA	NA	5mL	1mL	NA	
EW 1-4 CompMS	KWG1305587-1	06/04/13	06/06/13	5mL	1mL	NA	
EW 1-4 CompDMS	KWG1305587-2	06/04/13	06/06/13	5mL	1mL	NA	
Lab Control Sample	KWG1305587-3	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: K1305356
Date Collected: 06/04/2013
Date Received: 06/06/2013
Date Extracted: 06/06/2013

Chlorinated Phenols

Sample Name: EW 1-4 Comp
Lab Code: K1305356-001

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	25	8.0	590	610	3.3	D	50	06/18/13

June 21, 2013

Analytical Report for Service Request No: K1305359

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 June 06, 2013. For your reference, these analyses have been assigned our service request number K1305359.

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/tj

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

Environmental
www.alsglobal.com
RIGHT SOLUTIONS RIGHT PARTNER

Acronyms

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

Inorganic Data Qualifiers

*	The result is an outlier. See case narrative.
#	The control limit criteria is not applicable. See case narrative.
B	The analyte was found in the associated method blank at a level that is significant relative to the sample result as defined by the DOD or NELAC standards.
E	The result is an estimate amount because the value exceeded the instrument calibration range.
J	The result is an estimated value.
U	The analyte was analyzed for, but was not detected ("Non-detect") at or above the MRL/MDL. *DOD-QSM 4.1 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 4.1 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 4.1 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.:**	K1305359
Project:	J.H. Baxter-Arlington	**Date Received:**	6/6/2013
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

Three water samples were received for analysis at ALS Environmental on 6/6/2013. 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

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

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

Polynuclear Aromatic Hydrocarbons by EPA Method 8270

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

No anomalies associated with the analysis of this sample were observed.

Approved by_____

Chain of Custody

Columbia Analytical Services

29637 CHAIN OF CUSTODY

SR# K1305359

COC Set ___ of ___

Page 1 OF 1 COC# ___

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

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

Sample ID	Date	Time	Lab ID	Matrix	Number of Containers	8151A Modified / PCP only	8270D / PAH SIM	7D			Remarks
BXS-1	6-4	0807		H_2O	2	X	X				
BXS-2	6-4	0910									
BXS-5	6-4	0807									

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: [signature]	Date/Time: 6-5-13 0715	Signature: [signature]	Date/Time: 6/6/13 920	Signature:	Date/Time:	Signature:	Date/Time:
Printed Name: SCOTT THIELKE	Firm: JHBAXTER	Printed Name: [illegible]	Firm: ACL	Printed Name:	Firm:	Printed Name:	Firm:

8

PC CL

Cooler Receipt and Preservation Form

5359 CL 6/7

Client / Project: JH Baxter Service Request K13 053560

Received: 6/6/13 Opened: 6/6/13 By: BST Unloaded: 6/6/13 By: BST

. Samples were received via? *Mail* *FedEx* *UPS* *DHL* *PDX* *Courier* *Hand Delivered*

. Samples were received in: (circle) *Cooler* *Box* *Envelope* *Other* _____ *NA*

. Were custody seals on coolers? NA Y N If yes, how many and where? 1 front

If present, were custody seals intact? Y N If present, were they signed and dated? Y N

Raw Cooler Temp	Corrected Cooler Temp	Raw Temp Blank	Corrected Temp Blank	Corr. Factor	Thermometer ID	Cooler/COC ID (NA)	Tracking Number (NA)	Filed
1.6	1.3	1.2	0.9	-0.3	332		8684 6030 8791	
2.4	2.2	2.0	1.8	-0.2	294		8020 1659 7478	
1.6	1.3	2.4	2.1	-0.3	298		8020 1659 7467	
0.6	0.4	1.0	0.8	-0.2	331		8020 1659 7489	

. Packing material: *Inserts* *Baggies* *Bubble Wrap* *Gel Packs* *Wet Ice* *Dry Ice* *Sleeves* _____

Were custody papers properly filled out (ink, signed, etc.)? NA Y N

Did all bottles arrive in good condition (unbroken)? *Indicate in the table below.* NA Y N

Were all sample labels complete (i.e analysis, preservation, etc.)? NA Y N

. Did all sample labels and tags agree with custody papers? *Indicate major discrepancies in the table on page 2.* NA Y N

. Were appropriate bottles/containers and volumes received for the tests indicated? NA Y N

). Were the pH-preserved bottles (*see SMO GEN SOP*) received at the appropriate pH? *Indicate in the table below* NA Y N

.: Were VOA vials received without headspace? *Indicate in the table below.* NA Y N

:. Was C12/Res negative? NA Y N

Sample ID on Bottle	Sample ID on COC	Identified by: BST 6/6/13

Sample ID	Bottle Count Bottle Type	Out of Temp	Head-space	Broke	pH	Reagent	Volume added	Reagent Lot Number	Initials	Time
~~MW 17~~	~~1x40mL~~			~~X~~		NA CL 6/7/13				

otes, Discrepancies, & Resolutions: Rec'd 1x 1L 8270 for MW-41, COC only has PCP listed.

Pentachlorophenol

Organic Analysis:
Pentachlorophenol

Summary Package

Sample and QC Results

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

Service Request: K1305359

Cover Page - Organic Analysis Data Package
Pentachlorophenol

Sample Name	Lab Code	Date Collected	Date Received
BXS-1	K1305359-001	06/04/2013	06/06/2013
BXS-2	K1305359-002	06/04/2013	06/06/2013
BXS-5	K1305359-003	06/04/2013	06/06/2013

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: Lorna S. Portwood

Name: Lorna Portwood

Date: 6/21/13

Title:

ALS Group USA, Corp. dba ALS Environmental

Analytical Results

Client:	JH Baxter & Company	**Service Request:**	K1305359
Project:	J.H. Baxter-Arlington	**Date Collected:**	06/04/2013
Sample Matrix:	Water	**Date Received:**	06/06/2013

Pentachlorophenol

Sample Name:	BXS-1	**Units:**	ug/L
Lab Code:	K1305359-001	**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	69	D	5.0	1.6	10	06/07/13	06/18/13	KWG1305590	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
4-Bromo-2,6-dichlorophenol	110	33-114	06/15/13	Acceptable

Comments:

ALS Group USA, Corp. dba ALS Environmental

Analytical Results

Client:	JH Baxter & Company	**Service Request:**	K1305359
Project:	J.H. Baxter-Arlington	**Date Collected:**	06/04/2013
Sample Matrix:	Water	**Date Received:**	06/06/2013

Pentachlorophenol

Sample Name:	BXS-2	**Units:**	ug/L
Lab Code:	K1305359-002	**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	06/07/13	06/18/13	KWG1305590	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
4-Bromo-2,6-dichlorophenol	102	33-114	06/18/13	Acceptable

Comments:

ALS Group USA, Corp. dba ALS Environmental

Analytical Results

Client:	JH Baxter & Company	**Service Request:**	K1305359
Project:	J.H. Baxter-Arlington	**Date Collected:**	06/04/2013
Sample Matrix:	Water	**Date Received:**	06/06/2013

Pentachlorophenol

Sample Name:	BXS-5	**Units:**	ug/L
Lab Code:	K1305359-003	**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	67	D	5.0	1.6	10	06/07/13	06/18/13	KWG1305590	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
4-Bromo-2,6-dichlorophenol	88	33-114	06/18/13	Acceptable

Comments:

ALS Group USA, Corp. dba ALS Environmental

Analytical Results

Client:	JH Baxter & Company	**Service Request:**	K1305359
Project:	J.H. Baxter-Arlington	**Date Collected:**	NA
Sample Matrix:	Water	**Date Received:**	NA

Pentachlorophenol

Sample Name:	Method Blank	**Units:**	ug/L
Lab Code:	KWG1305590-4	**Basis:**	NA
Extraction Method:	Method Mod	**Level:**	Low
Analysis Method:	8151M		

Analyte Name	Result	Q	MRL	MDL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Note
Pentachlorophenol	ND	U	0.50	0.16	1	06/07/13	06/18/13	KWG1305590	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
4-Bromo-2,6-dichlorophenol	80	33-114	06/18/13	Acceptable

Comments:

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

Service Request: K1305359

Surrogate Recovery Summary
Pentachlorophenol

Extraction Method: Method
Analysis Method: 8151M

Units: Percent
Level: Low

Sample Name	Lab Code	Sur1
BXS-1	K1305359-001	110
BXS-2	K1305359-002	102
BXS-5	K1305359-003	88 D
Batch QC	K1305379-005	89
Method Blank	KWG1305590-4	80
Batch QCMS	KWG1305590-1	82
Batch QCDMS	KWG1305590-2	94
Lab Control Sample	KWG1305590-3	89

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:**	K1305359
Project:	J.H. Baxter-Arlington	**Date Extracted:**	06/07/2013
Sample Matrix:	Water	**Date Analyzed:**	06/18/2013

Matrix Spike/Duplicate Matrix Spike Summary
Pentachlorophenol

Sample Name:	Batch QC	**Units:**	ug/L
Lab Code:	K1305379-005	**Basis:**	NA
Extraction Method:	Method Mod	**Level:**	Low
Analysis Method:	8151M	**Extraction Lot:**	KWG1305590

		Batch QCMS KWG1305590-1 Matrix Spike			Batch QCDMS KWG1305590-2 Duplicate Matrix Spike					
Analyte Name	**Sample Result**	**Result**	**Spike Amount**	**%Rec**	**Result**	**Spike Amount**	**%Rec**	**%Rec Limits**	**RPD**	**RPD Limit**
Pentachlorophenol	ND	8.72	10.0	87	10.6	10.0	106	40-106	20	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:**	K1305359
Project:	J.H. Baxter-Arlington	**Date Extracted:**	06/07/2013
Sample Matrix:	Water	**Date Analyzed:**	06/18/2013

Lab Control Spike Summary
Pentachlorophenol

Extraction Method:	Method Mod	**Units:**	ug/L
Analysis Method:	8151M	**Basis:**	NA
		Level:	Low
		Extraction Lot:	KWG1305590

	Lab Control Sample KWG1305590-3 Lab Control Spike			
Analyte Name	**Result**	**Spike Amount**	**%Rec**	**%Rec Limits**
Pentachlorophenol	10.4	10.0	104	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:**	K1305359
Project:	J.H. Baxter-Arlington	**Date Extracted:**	06/07/2013
Sample Matrix:	Water	**Date Analyzed:**	06/18/2013
		Time Analyzed:	10:54

Method Blank Summary
Pentachlorophenol

Sample Name:	Method Blank	**Instrument ID:**	GC16
Lab Code:	KWG1305590-4	**File ID:**	J:\GC16\DATA\061713P\0617P047.D
Extraction Method:	Method Mod	**Level:**	Low
Analysis Method:	8151M	**Extraction Lot:**	KWG1305590

This Method Blank applies to the following analyses:

Sample Name	Lab Code	File ID	Date Analyzed	Time Analyzed
BXS-1	K1305359-001	J:\GC16\DATA\061413\0614F037.D	06/15/13	01:38
Lab Control Sample	KWG1305590-3	J:\GC16\DATA\061713P\0617P046.D	06/18/13	10:35
BXS-1	K1305359-001	J:\GC16\DATA\061713P\0617P048.D	06/18/13	11:14
BXS-2	K1305359-002	J:\GC16\DATA\061713P\0617P049.D	06/18/13	11:33
BXS-5	K1305359-003	J:\GC16\DATA\061713P\0617P050.D	06/18/13	11:53
Batch QC	K1305379-005	J:\GC16\DATA\061713P\0617P051.D	06/18/13	12:13
Batch QCMS	KWG1305590-1	J:\GC16\DATA\061713P\0617P052.D	06/18/13	12:32
Batch QCDMS	KWG1305590-2	J:\GC16\DATA\061713P\0617P053.D	06/18/13	12:52

ALS Group USA, Corp. dba ALS Environmental

QA/QC Report

Client:	JH Baxter & Company	**Service Request:**	K1305359
Project:	J.H. Baxter-Arlington	**Date Extracted:**	06/07/2013
Sample Matrix:	Water	**Date Analyzed:**	06/18/2013
		Time Analyzed:	10:35

Lab Control Sample Summary
Pentachlorophenol

Sample Name:	Lab Control Sample	**Instrument ID:**	GC16
Lab Code:	KWG1305590-3	**File ID:**	J:\GC16\DATA\061713P\0617P046.D
Extraction Method:	Method Mod	**Level:**	Low
Analysis Method:	8151M	**Extraction Lot:**	KWG1305590

This Lab Control Sample applies to the following analyses:

Sample Name	Lab Code	File ID	Date Analyzed	Time Analyzed
BXS-1	K1305359-001	J:\GC16\DATA\061413\0614F037.D	06/15/13	01:38
Method Blank	KWG1305590-4	J:\GC16\DATA\061713P\0617P047.D	06/18/13	10:54
BXS-1	K1305359-001	J:\GC16\DATA\061713P\0617P048.D	06/18/13	11:14
BXS-2	K1305359-002	J:\GC16\DATA\061713P\0617P049.D	06/18/13	11:33
BXS-5	K1305359-003	J:\GC16\DATA\061713P\0617P050.D	06/18/13	11:53
Batch QC	K1305379-005	J:\GC16\DATA\061713P\0617P051.D	06/18/13	12:13
Batch QCMS	KWG1305590-1	J:\GC16\DATA\061713P\0617P052.D	06/18/13	12:32
Batch QCDMS	KWG1305590-2	J:\GC16\DATA\061713P\0617P053.D	06/18/13	12:52

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

Service Request: K1305359
Calibration Date: 06/04/2013

Initial Calibration Summary
Pentachlorophenol

Calibration ID: CAL12508
Instrument ID: GC16

Column: Rtx-1701

Level ID	File ID	Level ID	File ID
A	J:\GC16\DATA\060413P\0604P004.D	F	J:\GC16\DATA\060413P\0604P010.D
B	J:\GC16\DATA\060413P\0604P005.D	G	J:\GC16\DATA\060413P\0604P011.D
C	J:\GC16\DATA\060413P\0604P007.D	H	J:\GC16\DATA\060413P\0604P012.D
D	J:\GC16\DATA\060413P\0604P008.D		
E	J:\GC16\DATA\060413P\0604P009.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	90800	B	4.8	86700	C	24	71600	D	48	66600	E	71	63500
	F	95	60300	G	120	60500	H	140	58100						
4-Bromo-2,6-dichlorophenol	A	2.5	46600	B	5.0	45800	C	25	45400	D	50	45800	E	75	45700
	F	100	43700	G	130	44400	H	150	42700						

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

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

Service Request: K1305359
Calibration Date: 06/04/2013

Initial Calibration Summary
Pentachlorophenol

Calibration ID: CAL12508
Instrument ID: GC16

Column: Rtx-1701

Analyte Name	Compound Type	Calibration Evaluation					
		Fit Type	Eval.	Eval. Result	Q	Control Criteria	
Pentachlorophenol	MS	Quadratic	COD	0.999		≥ 0.99	
4-Bromo-2,6-dichlorophenol	SURR	AverageRF	% RSD	2.9		≤ 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: K1305359
Calibration Date: 06/04/2013
Date Analyzed: 06/04/2013

Second Source Calibration Verification
Pentachlorophenol

Calibration Type: External Standard
Analysis Method: 8151M

Calibration ID: CAL12508
Units: ug/L

File ID: J:\GC16\DATA\060413P\0604P014.D

Column ID: Rtx-1701

Analyte Name	Expected	Result	Average RF	SSV RF	%D	%Drift	Criteria	Curve Fit
Pentachlorophenol	24	28	69800	79800	NA	16	± 20 %	Quadratic

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: K1305359
Calibration Date: 06/04/2013

Initial Calibration Summary
Pentachlorophenol

Calibration ID: CAL12508
Instrument ID: GC16

Column: Rtx-35

Level ID	File ID	Level ID	File ID
A	J:\GC16\DATA\060413P\0604P004.D\0604R004.D	F	J:\GC16\DATA\060413P\0604P010.D\0604R010.D
B	J:\GC16\DATA\060413P\0604P005.D\0604R005.D	G	J:\GC16\DATA\060413P\0604P011.D\0604R011.D
C	J:\GC16\DATA\060413P\0604P007.D\0604R007.D	H	J:\GC16\DATA\060413P\0604P012.D\0604R012.D
D	J:\GC16\DATA\060413P\0604P008.D\0604R008.D		
E	J:\GC16\DATA\060413P\0604P009.D\0604R009.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	86400	B	4.8	78900	C	24	63400	D	48	56700	E	71	54600
	F	95	51300	G	120	50900	H	140	48800						
4-Bromo-2,6-dichlorophenol	A	2.5	47500	B	5.0	45900	C	25	42200	D	50	40800	E	75	40100
	F	100	37700	G	130	37800	H	150	36200						

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

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

Service Request: K1305359
Calibration Date: 06/04/2013

Initial Calibration Summary
Pentachlorophenol

Calibration ID: CAL12508
Instrument ID: GC16

Column: Rtx-35

		Calibration Evaluation					
Analyte Name	**Compound Type**	**Fit Type**	**Eval.**	**Eval. Result**	**Q**	**Control Criteria**	
Pentachlorophenol	MS	Quadratic	COD	0.999		≥ 0.99	
4-Bromo-2,6-dichlorophenol	SURR	AverageRF	% RSD	9.8		≤ 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: K1305359
Calibration Date: 06/04/2013
Date Analyzed: 06/04/2013

Second Source Calibration Verification
Pentachlorophenol

Calibration Type: External Standard
Analysis Method: 8151M

Calibration ID: CAL12508
Units: ug/L

File ID: J:\GC16\DATA\060413P\0604P014.D\0604R014.D

Column ID: Rtx-35

Analyte Name	Expected	Result	Average RF	SSV RF	%D	%Drift	Criteria	Curve Fit
Pentachlorophenol	24	28	61400	70800	NA	18	± 20 %	Quadratic

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: K1305359
Date Analyzed: 06/14/2013

Continuing Calibration Verification Summary
Pentachlorophenol

Calibration Type: External Standard
Analysis Method: 8151M

Calibration Date: 06/04/2013
Calibration ID: CAL12508
Analysis Lot: KWG1305995
Units: ug/L

File ID: J:\GC16\DATA\061413\0614F029.D

Column ID: Rtx-1701

Analyte Name	Expected	Result	Average RF	CCV RF	%D	%Drift	Criteria	Curve Fit
Pentachlorophenol	48	54	69800	74100	NA	13	± 20 %	Quadratic
4-Bromo-2,6-dichlorophenol	50	57	45000	51100	14	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: K1305359
Date Analyzed: 06/14/2013

Continuing Calibration Verification Summary
Pentachlorophenol

Calibration Type: External Standard
Analysis Method: 8151M

Calibration Date: 06/04/2013
Calibration ID: CAL12508
Analysis Lot: KWG1305995
Units: ug/L

File ID: J:\GC16\DATA\061413\0614F029.D\0614R029.D

Column ID: Rtx-35

Analyte Name	Expected	Result	Average RF	CCV RF	%D	%Drift	Criteria	Curve Fit
Pentachlorophenol	48	51	61400	61300	NA	8	± 20 %	Quadratic
4-Bromo-2,6-dichlorophenol	50	53	41000	43700	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: K1305359
Date Analyzed: 06/15/2013

Continuing Calibration Verification Summary
Pentachlorophenol

Calibration Type: External Standard
Analysis Method: 8151M

Calibration Date: 06/04/2013
Calibration ID: CAL12508
Analysis Lot: KWG1305995
Units: ug/L

File ID: J:\GC16\DATA\061413\0614F043.D

Column ID: Rtx-1701

Analyte Name	Expected	Result	Average RF	CCV RF	%D	%Drift	Criteria	Curve Fit
Pentachlorophenol	48	53	69800	72900	NA	11	± 20 %	Quadratic
4-Bromo-2,6-dichlorophenol	50	57	45000	51700	15	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: K1305359
Date Analyzed: 06/15/2013

Continuing Calibration Verification Summary
Pentachlorophenol

Calibration Type: External Standard
Analysis Method: 8151M

Calibration Date: 06/04/2013
Calibration ID: CAL12508
Analysis Lot: KWG1305995
Units: ug/L

File ID: J:\GC16\DATA\061413\0614F043.D\0614R043.D

Column ID: Rtx-35

Analyte Name	Expected	Result	Average RF	CCV RF	%D	%Drift	Criteria	Curve Fit
Pentachlorophenol	48	50	61400	60200	NA	6	± 20 %	Quadratic
4-Bromo-2,6-dichlorophenol	50	53	41000	43600	6	NA	± 20 %	AverageRF

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

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

Service Request: K1305359
Date Analyzed: 06/18/2013

Continuing Calibration Verification Summary
Pentachlorophenol

Calibration Type: External Standard
Analysis Method: 8151M

Calibration Date: 06/04/2013
Calibration ID: CAL12508
Analysis Lot: KWG1305945
Units: ug/L

File ID: J:\GC16\DATA\061713P\0617P040.D

Column ID: Rtx-1701

Analyte Name	Expected	Result	Average RF	CCV RF	%D	%Drift	Criteria	Curve Fit
Pentachlorophenol	48	49	69800	67700	NA	2	± 20 %	Quadratic
4-Bromo-2,6-dichlorophenol	50	55	45000	49700	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: K1305359
Date Analyzed: 06/18/2013

Continuing Calibration Verification Summary
Pentachlorophenol

Calibration Type: External Standard
Analysis Method: 8151M

Calibration Date: 06/04/2013
Calibration ID: CAL12508
Analysis Lot: KWG1305945
Units: ug/L

File ID: J:\GC16\DATA\061713P\0617P040.D\0617R040.D

Column ID: Rtx-35

Analyte Name	Expected	Result	Average RF	CCV RF	%D	%Drift	Criteria	Curve Fit
Pentachlorophenol	48	48	61400	58300	NA	2	± 20 %	Quadratic
4-Bromo-2,6-dichlorophenol	50	53	41000	43300	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: K1305359
Date Analyzed: 06/18/2013

Continuing Calibration Verification Summary
Pentachlorophenol

Calibration Type: External Standard
Analysis Method: 8151M

Calibration Date: 06/04/2013
Calibration ID: CAL12508
Analysis Lot: KWG1305945
Units: ug/L

File ID: J:\GC16\DATA\061713P\0617P054.D

Column ID: Rtx-1701

Analyte Name	Expected	Result	Average RF	CCV RF	%D	%Drift	Criteria	Curve Fit
Pentachlorophenol	48	48	69800	66700	NA	1	± 20 %	Quadratic
4-Bromo-2,6-dichlorophenol	50	55	45000	49100	9	NA	± 20 %	AverageRF

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

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

Service Request: K1305359
Date Analyzed: 06/18/2013

Continuing Calibration Verification Summary
Pentachlorophenol

Calibration Type: External Standard
Analysis Method: 8151M

Calibration Date: 06/04/2013
Calibration ID: CAL12508
Analysis Lot: KWG1305945
Units: ug/L

File ID: J:\GC16\DATA\061713P\0617P054.D\0617R054.D

Column ID: Rtx-35

Analyte Name	Expected	Result	Average RF	CCV RF	%D	%Drift	Criteria	Curve Fit
Pentachlorophenol	48	48	61400	57400	NA	0	± 20 %	Quadratic
4-Bromo-2,6-dichlorophenol	50	52	41000	42600	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: K1305359

Analysis Run Log
Pentachlorophenol

Analysis Method: 8151M

Analysis Lot: KWG1305945
Instrument ID: GC16
Column: Rtx-1701

File ID	Sample Name	Lab Code	Date Analysis Started	Start Time	Q	Date Analysis Finished	Finish Time
0617P016.D	Continuing Calibration Verification	KWG1305945-1	6/18/2013	00:47		6/18/2013	01:02
0617P017.D	Instrument Blank	KWG1305945-2	6/18/2013	01:07		6/18/2013	01:22
0617P018.D	ZZZZZZ	ZZZZZZ	6/18/2013	01:26		6/18/2013	01:41
0617P019.D	ZZZZZZ	ZZZZZZ	6/18/2013	01:46		6/18/2013	02:01
0617P020.D	ZZZZZZ	ZZZZZZ	6/18/2013	02:05		6/18/2013	02:20
0617P021.D	ZZZZZZ	ZZZZZZ	6/18/2013	02:25		6/18/2013	02:40
0617P022.D	ZZZZZZ	ZZZZZZ	6/18/2013	02:44		6/18/2013	02:59
0617P023.D	ZZZZZZ	ZZZZZZ	6/18/2013	03:04		6/18/2013	03:19
0617P024.D	ZZZZZZ	ZZZZZZ	6/18/2013	03:23		6/18/2013	03:38
0617P025.D	ZZZZZZ	ZZZZZZ	6/18/2013	03:43		6/18/2013	03:58
0617P026.D	ZZZZZZ	ZZZZZZ	6/18/2013	04:02		6/18/2013	04:17
0617P027.D	ZZZZZZ	ZZZZZZ	6/18/2013	04:22		6/18/2013	04:37
0617P028.D	ZZZZZZ	ZZZZZZ	6/18/2013	04:42		6/18/2013	04:57
0617P029.D	Continuing Calibration Verification	KWG1305945-3	6/18/2013	05:01		6/18/2013	05:16
0617P030.D	Instrument Blank	KWG1305945-4	6/18/2013	05:21		6/18/2013	05:36
0617P031.D	ZZZZZZ	ZZZZZZ	6/18/2013	05:40		6/18/2013	05:55
0617P032.D	ZZZZZZ	ZZZZZZ	6/18/2013	06:00		6/18/2013	06:15
0617P033.D	ZZZZZZ	ZZZZZZ	6/18/2013	06:19		6/18/2013	06:34
0617P034.D	ZZZZZZ	ZZZZZZ	6/18/2013	06:39		6/18/2013	06:54
0617P035.D	ZZZZZZ	ZZZZZZ	6/18/2013	06:58		6/18/2013	07:13
0617P036.D	ZZZZZZ	ZZZZZZ	6/18/2013	07:18		6/18/2013	07:33
0617P037.D	ZZZZZZ	ZZZZZZ	6/18/2013	07:38		6/18/2013	07:53
0617P038.D	ZZZZZZ	ZZZZZZ	6/18/2013	07:57		6/18/2013	08:12
0617P039.D	ZZZZZZ	ZZZZZZ	6/18/2013	08:17		6/18/2013	08:32
0617P040.D	Continuing Calibration Verification	KWG1305945-5	6/18/2013	08:37		6/18/2013	08:52
0617P041.D	Instrument Blank	KWG1305945-6	6/18/2013	08:56		6/18/2013	09:11
0617P043.D	ZZZZZZ	ZZZZZZ	6/18/2013	09:36		6/18/2013	09:51
0617P044.D	ZZZZZZ	ZZZZZZ	6/18/2013	09:55		6/18/2013	10:10
0617P045.D	ZZZZZZ	ZZZZZZ	6/18/2013	10:15		6/18/2013	10:30
0617P046.D	Lab Control Sample	KWG1305590-3	6/18/2013	10:35		6/18/2013	10:50
0617P047.D	Method Blank	KWG1305590-4	6/18/2013	10:54		6/18/2013	11:09
0617P048.D	BXS-1	K1305359-001	6/18/2013	11:14		6/18/2013	11:29
0617P049.D	BXS-2	K1305359-002	6/18/2013	11:33		6/18/2013	11:48
0617P050.D	BXS-5	K1305359-003	6/18/2013	11:53		6/18/2013	12:08

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: K1305359

Analysis Run Log
Pentachlorophenol

Analysis Method: 8151M

Analysis Lot: KWG1305945
Instrument ID: GC16
Column: Rtx-1701

File ID	Sample Name	Lab Code	Date Analysis Started	Start Time	Q	Date Analysis Finished	Finish Time
0617P051.D	Batch QC	K1305379-005	6/18/2013	12:13		6/18/2013	12:28
0617P052.D	Batch QCMS	KWG1305590-1	6/18/2013	12:32		6/18/2013	12:47
0617P053.D	Batch QCDMS	KWG1305590-2	6/18/2013	12:52		6/18/2013	13:07
0617P054.D	Continuing Calibration Verification	KWG1305945-7	6/18/2013	13:11		6/18/2013	13:26
0617P055.D	Instrument Blank	KWG1305945-8	6/18/2013	13:31		6/18/2013	13:46
0617P056.D	ZZZZZZ	ZZZZZZ	6/18/2013	14:10		6/18/2013	14:25
0617P057.D	ZZZZZZ	ZZZZZZ	6/18/2013	14:30		6/18/2013	14:45
0617P058.D	ZZZZZZ	ZZZZZZ	6/18/2013	14:49		6/18/2013	15:04
0617P059.D	ZZZZZZ	ZZZZZZ	6/18/2013	15:09		6/18/2013	15:24
0617P060.D	ZZZZZZ	ZZZZZZ	6/18/2013	15:29		6/18/2013	15:44
0617P061.D	ZZZZZZ	ZZZZZZ	6/18/2013	15:48		6/18/2013	16:03
0617P062.D	ZZZZZZ	ZZZZZZ	6/18/2013	16:08		6/18/2013	16:23
0617P063.D	Continuing Calibration Verification	KWG1305945-9	6/18/2013	16:27		6/18/2013	16:42
0617P064.D	Instrument Blank	KWG1305945-10	6/18/2013	16:47		6/18/2013	17:02
0617P065.D	ZZZZZZ	ZZZZZZ	6/18/2013	17:07		6/18/2013	17:22
0617P066.D	ZZZZZZ	ZZZZZZ	6/18/2013	17:26		6/18/2013	17:41
0617P067.D	ZZZZZZ	ZZZZZZ	6/18/2013	17:46		6/18/2013	18:01
0617P068.D	ZZZZZZ	ZZZZZZ	6/18/2013	18:06		6/18/2013	18:21
0617P069.D	ZZZZZZ	ZZZZZZ	6/18/2013	18:25		6/18/2013	18:40
0617P070.D	ZZZZZZ	ZZZZZZ	6/18/2013	18:45		6/18/2013	19:00
0617P071.D	ZZZZZZ	ZZZZZZ	6/18/2013	19:05		6/18/2013	19:20
0617P072.D	ZZZZZZ	ZZZZZZ	6/18/2013	19:24		6/18/2013	19:39
0617P074.D	Continuing Calibration Verification	KWG1305945-11	6/18/2013	20:03		6/18/2013	20:18
0617P075.D	Instrument Blank	KWG1305945-12	6/18/2013	20:23		6/18/2013	20:38
0617P076.D	ZZZZZZ	ZZZZZZ	6/18/2013	20:43		6/18/2013	20:58
0617P077.D	ZZZZZZ	ZZZZZZ	6/18/2013	21:02		6/18/2013	21:17
0617P078.D	Continuing Calibration Verification	KWG1305945-13	6/18/2013	21:22		6/18/2013	21:37
0617P079.D	Instrument Blank	KWG1305945-14	6/18/2013	21:42		6/18/2013	21:57

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: K1305359

Analysis Run Log
Pentachlorophenol

Analysis Method: 8151M

Analysis Lot: KWG1305995
Instrument ID: GC16
Column: Rtx-1701

File ID	Sample Name	Lab Code	Date Analysis Started	Start Time	Q	Date Analysis Finished	Finish Time
0614F029.D	Continuing Calibration Verification	KWG1305995-1	6/14/2013	23:02		6/14/2013	23:17
0614F030.D	Instrument Blank	KWG1305995-2	6/14/2013	23:21		6/14/2013	23:36
0614F037.D	BXS-1	K1305359-001	6/15/2013	01:38		6/15/2013	01:53
0614F043.D	Continuing Calibration Verification	KWG1305995-3	6/15/2013	03:36		6/15/2013	03:51
0614F044.D	Instrument Blank	KWG1305995-4	6/15/2013	03:56		6/15/2013	04:11

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: K1305359
Date Extracted: 06/07/2013

Extraction Prep Log
Pentachlorophenol

Extraction Method: Method
Analysis Method: 8151M

Extraction Lot: KWG1305590
Level: Low

Sample Name	Lab Code	Date Collected	Date Received	Sample Amount	Final Volume	% Solids	Note
BXS-1	K1305359-001	06/04/13	06/06/13	5mL	1mL	NA	
BXS-1DL	K1305359-001	06/04/13	06/06/13	5mL	1mL	NA	
BXS-2	K1305359-002	06/04/13	06/06/13	5mL	1mL	NA	
BXS-5	K1305359-003	06/04/13	06/06/13	5mL	1mL	NA	
Method Blank	KWG1305590-4	NA	NA	5mL	1mL	NA	
Batch QC	K1305379-005	NA	NA	5mL	1mL	NA	
Batch QCMS	KWG1305590-1	NA	NA	5mL	1mL	NA	
Batch QCDMS	KWG1305590-2	NA	NA	5mL	1mL	NA	
Lab Control Sample	KWG1305590-3	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: K1305359
Date Collected: 06/04/2013
Date Received: 06/06/2013
Date Extracted: 06/07/2013

Pentachlorophenol

Sample Name: BXS-1
Lab Code: K1305359-001
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	69	74	7.0	D	10	06/18/13

ALS Group USA, Corp. dba ALS Environmental

Confirmation Results

Client:	JH Baxter & Company	**Service Request:**	K1305359
Project:	J.H. Baxter-Arlington	**Date Collected:**	06/04/2013
Sample Matrix:	Water	**Date Received:**	06/06/2013
		Date Extracted:	06/07/2013

Pentachlorophenol

Sample Name:	BXS-5	**Units:**	ug/L
Lab Code:	K1305359-003	**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	67	69	2.9	D	10	06/18/13

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: K1305359

Cover Page - Organic Analysis Data Package
Polynuclear Aromatic Hydrocarbons

Sample Name	Lab Code	Date Collected	Date Received
BXS-1	K1305359-001	06/04/2013	06/06/2013
BXS-2	K1305359-002	06/04/2013	06/06/2013
BXS-5	K1305359-003	06/04/2013	06/06/2013

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 Degen

Date: 6/19/13

Title: SVM Supervisor

ALS Group USA, Corp. dba ALS Environmental

Analytical Results

Client:	JH Baxter & Company	**Service Request:**	K1305359
Project:	J.H. Baxter-Arlington	**Date Collected:**	06/04/2013
Sample Matrix:	Water	**Date Received:**	06/06/2013

Polynuclear Aromatic Hydrocarbons

Sample Name:	BXS-1	**Units:**	ug/L
Lab Code:	K1305359-001	**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	**0.0096**	J	0.019	0.0038	1	06/11/13	06/15/13	KWG1305602	
2-Methylnaphthalene	ND	U	0.019	0.0023	1	06/11/13	06/15/13	KWG1305602	
Acenaphthylene	ND	U	0.019	0.0034	1	06/11/13	06/15/13	KWG1305602	
Acenaphthene	ND	U	0.019	0.0044	1	06/11/13	06/15/13	KWG1305602	
Fluorene	ND	U	0.019	0.0038	1	06/11/13	06/15/13	KWG1305602	
Phenanthrene	ND	U	0.019	0.0050	1	06/11/13	06/15/13	KWG1305602	
Anthracene	ND	U	0.019	0.0036	1	06/11/13	06/15/13	KWG1305602	
Fluoranthene	ND	U	0.019	0.010	1	06/11/13	06/15/13	KWG1305602	
Pyrene	ND	U	0.019	0.0053	1	06/11/13	06/15/13	KWG1305602	
Benz(a)anthracene	ND	U	0.019	0.0026	1	06/11/13	06/15/13	KWG1305602	
Chrysene	ND	U	0.019	0.0034	1	06/11/13	06/15/13	KWG1305602	
Benzo(b)fluoranthene	ND	U	0.019	0.0041	1	06/11/13	06/15/13	KWG1305602	
Benzo(k)fluoranthene	ND	U	0.019	0.0030	1	06/11/13	06/15/13	KWG1305602	
Benzo(a)pyrene	ND	U	0.019	0.0043	1	06/11/13	06/15/13	KWG1305602	
Indeno(1,2,3-cd)pyrene	ND	U	0.019	0.0026	1	06/11/13	06/15/13	KWG1305602	
Dibenz(a,h)anthracene	ND	U	0.019	0.0025	1	06/11/13	06/15/13	KWG1305602	
Benzo(g,h,i)perylene	ND	U	0.019	0.0029	1	06/11/13	06/15/13	KWG1305602	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
Fluorene-d10	94	46-114	06/15/13	Acceptable
Fluoranthene-d10	98	51-121	06/15/13	Acceptable
Terphenyl-d14	77	58-140	06/15/13	Acceptable

Comments:

ALS Group USA, Corp. dba ALS Environmental

Analytical Results

Client:	JH Baxter & Company	**Service Request:**	K1305359
Project:	J.H. Baxter-Arlington	**Date Collected:**	06/04/2013
Sample Matrix:	Water	**Date Received:**	06/06/2013

Polynuclear Aromatic Hydrocarbons

Sample Name:	BXS-2	**Units:**	ug/L
Lab Code:	K1305359-002	**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	**0.029**		0.019	0.0038	1	06/11/13	06/15/13	KWG1305602	
2-Methylnaphthalene	ND	U	0.019	0.0023	1	06/11/13	06/15/13	KWG1305602	
Acenaphthylene	ND	U	0.019	0.0034	1	06/11/13	06/15/13	KWG1305602	
Acenaphthene	ND	U	0.019	0.0044	1	06/11/13	06/15/13	KWG1305602	
Fluorene	ND	U	0.019	0.0038	1	06/11/13	06/15/13	KWG1305602	
Phenanthrene	ND	U	0.019	0.0050	1	06/11/13	06/15/13	KWG1305602	
Anthracene	ND	U	0.019	0.0036	1	06/11/13	06/15/13	KWG1305602	
Fluoranthene	ND	U	0.019	0.010	1	06/11/13	06/15/13	KWG1305602	
Pyrene	ND	U	0.019	0.0053	1	06/11/13	06/15/13	KWG1305602	
Benz(a)anthracene	ND	U	0.019	0.0026	1	06/11/13	06/15/13	KWG1305602	
Chrysene	ND	U	0.019	0.0034	1	06/11/13	06/15/13	KWG1305602	
Benzo(b)fluoranthene	ND	U	0.019	0.0041	1	06/11/13	06/15/13	KWG1305602	
Benzo(k)fluoranthene	ND	U	0.019	0.0030	1	06/11/13	06/15/13	KWG1305602	
Benzo(a)pyrene	ND	U	0.019	0.0043	1	06/11/13	06/15/13	KWG1305602	
Indeno(1,2,3-cd)pyrene	ND	U	0.019	0.0026	1	06/11/13	06/15/13	KWG1305602	
Dibenz(a,h)anthracene	ND	U	0.019	0.0025	1	06/11/13	06/15/13	KWG1305602	
Benzo(g,h,i)perylene	ND	U	0.019	0.0029	1	06/11/13	06/15/13	KWG1305602	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
Fluorene-d10	83	46-114	06/15/13	Acceptable
Fluoranthene-d10	87	51-121	06/15/13	Acceptable
Terphenyl-d14	67	58-140	06/15/13	Acceptable

Comments:

ALS Group USA, Corp. dba ALS Environmental

Analytical Results

Client:	JH Baxter & Company	**Service Request:**	K1305359
Project:	J.H. Baxter-Arlington	**Date Collected:**	06/04/2013
Sample Matrix:	Water	**Date Received:**	06/06/2013

Polynuclear Aromatic Hydrocarbons

Sample Name:	BXS-5	**Units:**	ug/L
Lab Code:	K1305359-003	**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	**0.028**		0.020	0.0038	1	06/11/13	06/15/13	KWG1305602	
2-Methylnaphthalene	ND	U	0.020	0.0023	1	06/11/13	06/15/13	KWG1305602	
Acenaphthylene	ND	U	0.020	0.0034	1	06/11/13	06/15/13	KWG1305602	
Acenaphthene	ND	U	0.020	0.0044	1	06/11/13	06/15/13	KWG1305602	
Fluorene	ND	U	0.020	0.0038	1	06/11/13	06/15/13	KWG1305602	
Phenanthrene	ND	U	0.020	0.0050	1	06/11/13	06/15/13	KWG1305602	
Anthracene	ND	U	0.020	0.0036	1	06/11/13	06/15/13	KWG1305602	
Fluoranthene	ND	U	0.020	0.010	1	06/11/13	06/15/13	KWG1305602	
Pyrene	ND	U	0.020	0.0053	1	06/11/13	06/15/13	KWG1305602	
Benz(a)anthracene	ND	U	0.020	0.0026	1	06/11/13	06/15/13	KWG1305602	
Chrysene	ND	U	0.020	0.0034	1	06/11/13	06/15/13	KWG1305602	
Benzo(b)fluoranthene	ND	U	0.020	0.0041	1	06/11/13	06/15/13	KWG1305602	
Benzo(k)fluoranthene	ND	U	0.020	0.0030	1	06/11/13	06/15/13	KWG1305602	
Benzo(a)pyrene	ND	U	0.020	0.0043	1	06/11/13	06/15/13	KWG1305602	
Indeno(1,2,3-cd)pyrene	ND	U	0.020	0.0026	1	06/11/13	06/15/13	KWG1305602	
Dibenz(a,h)anthracene	ND	U	0.020	0.0025	1	06/11/13	06/15/13	KWG1305602	
Benzo(g,h,i)perylene	ND	U	0.020	0.0029	1	06/11/13	06/15/13	KWG1305602	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
Fluorene-d10	93	46-114	06/15/13	Acceptable
Fluoranthene-d10	95	51-121	06/15/13	Acceptable
Terphenyl-d14	77	58-140	06/15/13	Acceptable

Comments:

ALS Group USA, Corp. dba ALS Environmental

Analytical Results

Client:	JH Baxter & Company	**Service Request:**	K1305359
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:	KWG1305602-3	**Basis:**	NA
Extraction Method:	EPA 3520C	**Level:**	Low
Analysis Method:	8270D SIM		

Analyte Name	Result	Q	MRL	MDL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Note
Naphthalene	ND	U	0.019	0.0038	1	06/11/13	06/15/13	KWG1305602	
2-Methylnaphthalene	ND	U	0.019	0.0023	1	06/11/13	06/15/13	KWG1305602	
Acenaphthylene	ND	U	0.019	0.0034	1	06/11/13	06/15/13	KWG1305602	
Acenaphthene	ND	U	0.019	0.0044	1	06/11/13	06/15/13	KWG1305602	
Fluorene	ND	U	0.019	0.0038	1	06/11/13	06/15/13	KWG1305602	
Phenanthrene	ND	U	0.019	0.0050	1	06/11/13	06/15/13	KWG1305602	
Anthracene	ND	U	0.019	0.0036	1	06/11/13	06/15/13	KWG1305602	
Fluoranthene	ND	U	0.019	0.010	1	06/11/13	06/15/13	KWG1305602	
Pyrene	ND	U	0.019	0.0053	1	06/11/13	06/15/13	KWG1305602	
Benz(a)anthracene	ND	U	0.019	0.0026	1	06/11/13	06/15/13	KWG1305602	
Chrysene	ND	U	0.019	0.0034	1	06/11/13	06/15/13	KWG1305602	
Benzo(b)fluoranthene	ND	U	0.019	0.0041	1	06/11/13	06/15/13	KWG1305602	
Benzo(k)fluoranthene	ND	U	0.019	0.0030	1	06/11/13	06/15/13	KWG1305602	
Benzo(a)pyrene	ND	U	0.019	0.0043	1	06/11/13	06/15/13	KWG1305602	
Indeno(1,2,3-cd)pyrene	ND	U	0.019	0.0026	1	06/11/13	06/15/13	KWG1305602	
Dibenz(a,h)anthracene	ND	U	0.019	0.0025	1	06/11/13	06/15/13	KWG1305602	
Benzo(g,h,i)perylene	ND	U	0.019	0.0029	1	06/11/13	06/15/13	KWG1305602	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
Fluorene-d10	94	46-114	06/15/13	Acceptable
Fluoranthene-d10	91	51-121	06/15/13	Acceptable
Terphenyl-d14	78	58-140	06/15/13	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: K1305359

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	K1305359-001	94	98	77
BXS-2	K1305359-002	83	87	67
BXS-5	K1305359-003	93	95	77
Method Blank	KWG1305602-3	94	91	78
Lab Control Sample	KWG1305602-1	88	92	70
Duplicate Lab Control Sample	KWG1305602-2	88	91	70

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: K1305359
Date Analyzed: 06/15/2013
Time Analyzed: 07:46

Internal Standard Area and RT Summary
Polynuclear Aromatic Hydrocarbons

File ID: J:\MS11\DATA\061513\0615F002.D
Instrument ID: MS11
Analysis Method: 8270D SIM

Lab Code: KWG1305807-2
Analysis Lot: KWG1305807

		Naphthalene-d8		Acenaphthene-d10		Phenanthrene-d10	
		Area	RT	Area	RT	Area	RT
	Results ==>	96,930	5.03	52,791	6.45	112,192	7.69
	Upper Limit ==>	193,860	5.53	105,582	6.95	224,384	8.19
	Lower Limit ==>	48,465	4.53	26,396	5.95	56,096	7.19
	ICAL Result ==>	86,829	5.01	48,957	6.42	100,720	7.65
Associated Analyses							
Method Blank	KWG1305602-3	91,957	5.04	44,795	6.46	106,069	7.70
Lab Control Sample	KWG1305602-1	95,157	5.04	49,821	6.45	104,327	7.69
Duplicate Lab Control Sample	KWG1305602-2	91,630	5.04	48,563	6.45	103,618	7.69
BXS-1	K1305359-001	87,426	5.04	48,183	6.46	99,767	7.70
BXS-2	K1305359-002	89,452	5.04	50,912	6.46	101,142	7.70
BXS-5	K1305359-003	87,258	5.04	48,955	6.46	103,075	7.70

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

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

Service Request: K1305359
Date Analyzed: 06/15/2013
Time Analyzed: 07:46

Internal Standard Area and RT Summary
Polynuclear Aromatic Hydrocarbons

File ID: J:\MS11\DATA\061513\0615F002.D
Instrument ID: MS11
Analysis Method: 8270D SIM

Lab Code: KWG1305807-2
Analysis Lot: KWG1305807

		Chrysene-d12		Perylene-d12	
		Area	RT	Area	RT
	Results ==>	140,069	10.58	137,540	14.54
	Upper Limit ==>	280,138	11.08	275,080	15.04
	Lower Limit ==>	70,035	10.08	68,770	14.04
	ICAL Result ==>	126,514	10.49	115,879	14.33
Associated Analyses					
Method Blank	KWG1305602-3	121,193	10.59	109,045	14.55
Lab Control Sample	KWG1305602-1	130,570	10.59	125,602	14.54
Duplicate Lab Control Sample	KWG1305602-2	127,429	10.59	120,807	14.55
BXS-1	K1305359-001	130,581	10.59	121,472	14.55
BXS-2	K1305359-002	130,402	10.59	128,668	14.56
BXS-5	K1305359-003	129,117	10.59	121,934	14.55

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:**	K1305359
Project:	J.H. Baxter-Arlington	**Date Extracted:**	06/11/2013
Sample Matrix:	Water	**Date Analyzed:**	06/15/2013

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

Extraction Method:	EPA 3520C	**Units:**	ug/L
Analysis Method:	8270D SIM	**Basis:**	NA
		Level:	Low
		Extraction Lot:	KWG1305602

	Lab Control Sample KWG1305602-1 Lab Control Spike			Duplicate Lab Control Sample KWG1305602-2 Duplicate Lab Control Spike					
Analyte Name	**Result**	**Spike Amount**	**%Rec**	**Result**	**Spike Amount**	**%Rec**	**%Rec Limits**	**RPD**	**RPD Limit**
Naphthalene	2.45	2.50	98	2.39	2.50	96	39-110	2	30
2-Methylnaphthalene	2.31	2.50	93	2.38	2.50	95	39-115	3	30
Acenaphthylene	2.60	2.50	104	2.58	2.50	103	44-115	1	30
Acenaphthene	2.57	2.50	103	2.56	2.50	102	44-113	0	30
Fluorene	2.74	2.50	110	2.70	2.50	108	48-118	2	30
Phenanthrene	2.59	2.50	104	2.51	2.50	100	47-120	3	30
Anthracene	2.76	2.50	110	2.70	2.50	108	44-117	2	30
Fluoranthene	2.83	2.50	113	2.77	2.50	111	48-128	2	30
Pyrene	2.61	2.50	104	2.58	2.50	103	42-133	1	30
Benz(a)anthracene	2.68	2.50	107	2.62	2.50	105	48-125	3	30
Chrysene	2.81	2.50	112	2.76	2.50	110	50-128	2	30
Benzo(b)fluoranthene	2.80	2.50	112	2.78	2.50	111	49-131	1	30
Benzo(k)fluoranthene	2.97	2.50	119	2.95	2.50	118	54-131	1	30
Benzo(a)pyrene	2.85	2.50	114	2.82	2.50	113	43-134	1	30
Indeno(1,2,3-cd)pyrene	2.88	2.50	115	2.80	2.50	112	45-133	3	30
Dibenz(a,h)anthracene	2.81	2.50	112	2.74	2.50	109	49-133	3	30
Benzo(g,h,i)perylene	2.74	2.50	110	2.68	2.50	107	51-124	2	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:**	K1305359
Project:	J.H. Baxter-Arlington	**Date Extracted:**	06/11/2013
Sample Matrix:	Water	**Date Analyzed:**	06/15/2013
		Time Analyzed:	08:13

Method Blank Summary
Polynuclear Aromatic Hydrocarbons

Sample Name:	Method Blank	**Instrument ID:**	MS11
Lab Code:	KWG1305602-3	**File ID:**	J:\MS11\DATA\061513\0615F003.D
Extraction Method:	EPA 3520C	**Level:**	Low
Analysis Method:	8270D SIM	**Extraction Lot:**	KWG1305602

This Method Blank applies to the following analyses:

Sample Name	Lab Code	File ID	Date Analyzed	Time Analyzed
Lab Control Sample	KWG1305602-1	J:\MS11\DATA\061513\0615F004.D	06/15/13	08:39
Duplicate Lab Control Sample	KWG1305602-2	J:\MS11\DATA\061513\0615F005.D	06/15/13	09:06
BXS-1	K1305359-001	J:\MS11\DATA\061513\0615F015.D	06/15/13	13:30
BXS-2	K1305359-002	J:\MS11\DATA\061513\0615F016.D	06/15/13	13:57
BXS-5	K1305359-003	J:\MS11\DATA\061513\0615F017.D	06/15/13	14:23

ALS Group USA, Corp. dba ALS Environmental

QA/QC Report

Client:	JH Baxter & Company	**Service Request:**	K1305359
Project:	J.H. Baxter-Arlington	**Date Extracted:**	06/11/2013
Sample Matrix:	Water	**Date Analyzed:**	06/15/2013
		Time Analyzed:	08:39

Lab Control Sample Summary
Polynuclear Aromatic Hydrocarbons

Sample Name:	Lab Control Sample	**Instrument ID:**	MS11
Lab Code:	KWG1305602-1	**File ID:**	J:\MS11\DATA\061513\0615F004.D
Extraction Method:	EPA 3520C	**Level:**	Low
Analysis Method:	8270D SIM	**Extraction Lot:**	KWG1305602

This Lab Control Sample applies to the following analyses:

Sample Name	Lab Code	File ID	Date Analyzed	Time Analyzed
Method Blank	KWG1305602-3	J:\MS11\DATA\061513\0615F003.D	06/15/13	08:13
BXS-1	K1305359-001	J:\MS11\DATA\061513\0615F015.D	06/15/13	13:30
BXS-2	K1305359-002	J:\MS11\DATA\061513\0615F016.D	06/15/13	13:57
BXS-5	K1305359-003	J:\MS11\DATA\061513\0615F017.D	06/15/13	14:23

ALS Group USA, Corp. dba ALS Environmental

QA/QC Results

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

Service Request: K1305359
Date Analyzed: 06/15/2013
Time Analyzed: 07:20

Tune Summary
Polynuclear Aromatic Hydrocarbons

File ID: J:\MS11\DATA\061513\0615F001.D
Instrument ID: MS11
Column:

Analysis Method: 8270D SIM
Analysis Lot: KWG1305807

Target Mass	Relative to Mass	Lower Limit%	Upper Limit%	Relative Abundance %	Raw Abundance	Result Pass/Fail
51	198	10	80	49.5	91128	PASS
68	69	0	2	0.0	0	PASS
69	198	0	100	46.4	85400	PASS
70	69	0	2	0.0	0	PASS
127	198	10	80	47.2	86872	PASS
197	198	0	2	0.0	0	PASS
198	442	30	100	43.4	184064	PASS
199	198	5	9	7.2	13194	PASS
275	198	10	60	39.3	72296	PASS
365	442	1	50	2.9	12419	PASS
441	443	0	100	74.4	61440	PASS
442	442	100	100	100.0	424064	PASS
443	442	15	24	19.5	82624	PASS

Sample Name	Lab Code	File ID	Date Analyzed	Time Analyzed	Q
Continuing Calibration Verification	KWG1305807-2	J:\MS11\DATA\061513\0615F002.D	06/15/2013	07:46	
Method Blank	KWG1305602-3	J:\MS11\DATA\061513\0615F003.D	06/15/2013	08:13	
Lab Control Sample	KWG1305602-1	J:\MS11\DATA\061513\0615F004.D	06/15/2013	08:39	
Duplicate Lab Control Sample	KWG1305602-2	J:\MS11\DATA\061513\0615F005.D	06/15/2013	09:06	
BXS-1	K1305359-001	J:\MS11\DATA\061513\0615F015.D	06/15/2013	13:30	
BXS-2	K1305359-002	J:\MS11\DATA\061513\0615F016.D	06/15/2013	13:57	
BXS-5	K1305359-003	J:\MS11\DATA\061513\0615F017.D	06/15/2013	14:23	

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

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

Service Request: K1305359
Calibration Date: 05/30/2013

Initial Calibration Summary
Polynuclear Aromatic Hydrocarbons

Calibration ID: CAL12500
Instrument ID: MS11

Column: MS

Level ID	File ID	Level ID	File ID
A	J:\MS11\DATA\053013\0530F007.D	G	J:\MS11\DATA\053013\0530F013.D
B	J:\MS11\DATA\053013\0530F008.D	H	J:\MS11\DATA\053013\0530F014.D
C	J:\MS11\DATA\053013\0530F009.D	I	J:\MS11\DATA\053013\0530F015.D
D	J:\MS11\DATA\053013\0530F010.D	J	J:\MS11\DATA\053013\0530F016.D
E	J:\MS11\DATA\053013\0530F011.D		
F	J:\MS11\DATA\053013\0530F012.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	1.05	B	4.0	1.03	C	8.0	1.04	D	20	0.989	E	100	0.938
	F	200	0.953	G	400	0.935	H	1000	0.860	I	1600	0.852	J	2000	0.826
2-Methylnaphthalene	A	2.0	0.725	B	4.0	0.659	C	8.0	0.689	D	20	0.688	E	100	0.661
	F	200	0.672	G	400	0.664	H	1000	0.620	I	1600	0.630	J	2000	0.608
Acenaphthylene	A	2.0	1.81	B	4.0	1.80	C	8.0	1.78	D	20	1.79	E	100	1.76
	F	200	1.80	G	400	1.82	H	1000	1.69	I	1600	1.68	J	2000	1.63
Acenaphthene	A	2.0	1.06	B	4.0	1.09	C	8.0	1.07	D	20	1.06	E	100	1.04
	F	200	1.04	G	400	1.04	H	1000	0.992	I	1600	0.995	J	2000	0.967
Fluorene	A	2.0	1.33	B	4.0	1.16	C	8.0	1.38	D	20	1.31	E	100	1.33
	F	200	1.34	G	400	1.30	H	1000	1.22	I	1600	1.23	J	2000	1.18
Phenanthrene	A	2.0	1.01	B	4.0	1.08	C	8.0	1.04	D	20	0.967	E	100	0.958
	F	200	0.974	G	400	0.970	H	1000	0.882	I	1600	0.864	J	2000	0.820
Anthracene	A	2.0	0.876	B	4.0	0.921	C	8.0	0.948	D	20	0.930	E	100	0.918
	F	200	0.951	G	400	0.969	H	1000	0.884	I	1600	0.875	J	2000	0.841
Fluoranthene	A	2.0	1.12	B	4.0	1.10	C	8.0	1.08	D	20	1.04	E	100	1.12
	F	200	1.15	G	400	1.15	H	1000	1.01	I	1600	0.985	J	2000	0.943
Pyrene	A	2.0	1.09	B	4.0	1.01	C	8.0	1.06	D	20	1.01	E	100	0.985
	F	200	0.976	G	400	0.972	H	1000	0.911	I	1600	0.902	J	2000	0.868
Benz(a)anthracene	A	2.0	1.08	B	4.0	0.994	C	8.0	0.947	D	20	0.879	E	100	0.836
	F	200	0.856	G	400	0.890	H	1000	0.884	I	1600	0.898	J	2000	0.870
Chrysene	A	2.0	0.856	B	4.0	0.896	C	8.0	0.895	D	20	0.858	E	100	0.833
	F	200	0.856	G	400	0.865	H	1000	0.849	I	1600	0.835	J	2000	0.819
Benzo(b)fluoranthene	A	2.0	0.960	B	4.0	0.938	C	8.0	0.924	D	20	0.930	E	100	0.952
	F	200	1.01	G	400	1.03	H	1000	1.00	I	1600	0.980	J	2000	0.946
Benzo(k)fluoranthene	A	2.0	0.936	B	4.0	0.921	C	8.0	0.912	D	20	0.887	E	100	0.917
	F	200	0.971	G	400	0.997	H	1000	0.951	I	1600	0.945	J	2000	0.895
Benzo(a)pyrene	A	2.0	0.872	B	4.0	0.879	C	8.0	0.783	D	20	0.776	E	100	0.796
	F	200	0.834	G	400	0.874	H	1000	0.863	I	1600	0.861	J	2000	0.838

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: K1305359
Calibration Date: 05/30/2013

Initial Calibration Summary
Polynuclear Aromatic Hydrocarbons

Calibration ID: CAL12500
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	0.755	B	4.0	0.759	C	8.0	0.656	D	20	0.617	E	100	0.671
	F	200	0.716	G	400	0.719	H	1000	0.701	I	1600	0.699	J	2000	0.668
Dibenz(a,h)anthracene	A	2.0	0.742	B	4.0	0.905	C	8.0	0.775	D	20	0.707	E	100	0.781
	F	200	0.803	G	400	0.806	H	1000	0.800	I	1600	0.790	J	2000	0.780
Benzo(g,h,i)perylene	A	2.0	0.922	B	4.0	0.952	C	8.0	0.960	D	20	0.907	E	100	0.918
	F	200	0.927	G	400	0.906	H	1000	0.844	I	1600	0.820	J	2000	0.790
Fluorene-d10	A	2.0	1.18	B	4.0	1.02	C	8.0	1.18	D	20	1.13	E	100	1.14
	F	200	1.17	G	400	1.15	H	1000	1.11	I	1600	1.11	J	2000	1.07
Fluoranthene-d10	A	2.0	1.01	B	4.0	0.996	C	8.0	1.01	D	20	0.975	E	100	1.01
	F	200	1.09	G	400	1.10	H	1000	1.03	I	1600	1.02	J	2000	0.978
Terphenyl-d14	A	2.0	0.781	B	4.0	0.822	C	8.0	0.813	D	20	0.816	E	100	0.764
	F	200	0.770	G	400	0.770	H	1000	0.739	I	1600	0.736	J	2000	0.715

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: K1305359
Calibration Date: 05/30/2013

Initial Calibration Summary
Polynuclear Aromatic Hydrocarbons

Calibration ID: CAL12500
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	8.7		≤20	0.948		0.70
2-Methylnaphthalene	MS	AverageRF	% RSD	5.3		≤20	0.662		0.40
Acenaphthylene	MS	AverageRF	% RSD	3.7		≤20	1.76		0.90
Acenaphthene	MS	AverageRF	% RSD	3.7		≤20	1.03		0.90
Fluorene	MS	AverageRF	% RSD	5.9		≤20	1.28		0.90
Phenanthrene	MS	AverageRF	% RSD	8.5		≤20	0.957		0.70
Anthracene	MS	AverageRF	% RSD	4.5		≤20	0.911		0.70
Fluoranthene	MS	AverageRF	% RSD	6.8		≤20	1.07		0.60
Pyrene	MS	AverageRF	% RSD	7.2		≤20	0.979		0.60
Benz(a)anthracene	MS	AverageRF	% RSD	8.1		≤20	0.913		0.80
Chrysene	MS	AverageRF	% RSD	2.9		≤20	0.856		0.70
Benzo(b)fluoranthene	MS	AverageRF	% RSD	3.8		≤20	0.967		0.70
Benzo(k)fluoranthene	MS	AverageRF	% RSD	3.6		≤20	0.933		0.70
Benzo(a)pyrene	MS	AverageRF	% RSD	4.7		≤20	0.838		0.70
Indeno(1,2,3-cd)pyrene	MS	AverageRF	% RSD	6.4		≤20	0.696		0.50
Dibenz(a,h)anthracene	MS	AverageRF	% RSD	6.5		≤20	0.789		0.40
Benzo(g,h,i)perylene	MS	AverageRF	% RSD	6.4		≤20	0.895		0.50
Fluorene-d10	SURR	AverageRF	% RSD	4.5		≤20	1.13		0.01
Fluoranthene-d10	SURR	AverageRF	% RSD	4.2		≤20	1.02		0.01
Terphenyl-d14	SURR	AverageRF	% RSD	4.7		≤20	0.773		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: K1305359
Calibration Date: 05/30/2013
Date Analyzed: 05/30/2013

Second Source Calibration Verification
Polynuclear Aromatic Hydrocarbons

Calibration Type: Internal Standard
Analysis Method: 8270D SIM

Calibration ID: CAL12500
Units: ng/ml

File ID: J:\MS11\DATA\053013\0530F018.D

Analyte Name	Expected	Result	Average RF	SSV RF	%D	%Drift	Criteria	Curve Fit
Naphthalene	400	390	0.948	0.924	-3	NA	± 30 %	AverageRF
2-Methylnaphthalene	400	380	0.662	0.633	-4	NA	± 30 %	AverageRF
Acenaphthylene	400	400	1.76	1.75	0	NA	± 30 %	AverageRF
Acenaphthene	400	390	1.03	1.00	-3	NA	± 30 %	AverageRF
Fluorene	400	410	1.28	1.31	3	NA	± 30 %	AverageRF
Phenanthrene	400	400	0.957	0.945	-1	NA	± 30 %	AverageRF
Anthracene	400	400	0.911	0.917	1	NA	± 30 %	AverageRF
Fluoranthene	400	420	1.07	1.13	5	NA	± 30 %	AverageRF
Pyrene	400	380	0.979	0.936	-4	NA	± 30 %	AverageRF
Benz(a)anthracene	400	380	0.913	0.864	-5	NA	± 30 %	AverageRF
Chrysene	400	400	0.856	0.846	-1	NA	± 30 %	AverageRF
Benzo(b)fluoranthene	400	420	0.967	1.02	6	NA	± 30 %	AverageRF
Benzo(k)fluoranthene	400	430	0.933	0.997	7	NA	± 30 %	AverageRF
Benzo(a)pyrene	400	410	0.838	0.855	2	NA	± 30 %	AverageRF
Indeno(1,2,3-cd)pyrene	400	390	0.696	0.674	-3	NA	± 30 %	AverageRF
Dibenz(a,h)anthracene	400	390	0.789	0.773	-2	NA	± 30 %	AverageRF
Benzo(g,h,i)perylene	400	390	0.895	0.873	-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: K1305359
Date Analyzed: 06/15/2013

Continuing Calibration Verification Summary
Polynuclear Aromatic Hydrocarbons

Calibration Type: Internal Standard
Analysis Method: 8270D SIM

Calibration Date: 05/30/2013
Calibration ID: CAL12500
Analysis Lot: KWG1305807
Units: ng/ml

File ID: J:\MS11\DATA\061513\0615F002.D

Analyte Name	Expected	Result	Min RF	Average RF	CCV RF	%D	%Drift	Criteria	Curve Fit
Naphthalene	400	410	0.70	0.948	0.969	2	NA	± 20 %	AverageRF
2-Methylnaphthalene	400	410	0.40	0.662	0.677	2	NA	± 20 %	AverageRF
Acenaphthylene	400	420	0.90	1.76	1.83	4	NA	± 20 %	AverageRF
Acenaphthene	400	420	0.90	1.03	1.09	6	NA	± 20 %	AverageRF
Fluorene	400	430	0.90	1.28	1.38	8	NA	± 20 %	AverageRF
Phenanthrene	400	410	0.70	0.957	0.970	1	NA	± 20 %	AverageRF
Anthracene	400	410	0.70	0.911	0.932	2	NA	± 20 %	AverageRF
Fluoranthene	400	430	0.60	1.07	1.15	7	NA	± 20 %	AverageRF
Pyrene	400	400	0.60	0.979	0.985	1	NA	± 20 %	AverageRF
Benz(a)anthracene	400	420	0.80	0.913	0.950	4	NA	± 20 %	AverageRF
Chrysene	400	430	0.70	0.856	0.917	7	NA	± 20 %	AverageRF
Benzo(b)fluoranthene	400	440	0.70	0.967	1.06	9	NA	± 20 %	AverageRF
Benzo(k)fluoranthene	400	450	0.70	0.933	1.06	13	NA	± 20 %	AverageRF
Benzo(a)pyrene	400	440	0.70	0.838	0.926	11	NA	± 20 %	AverageRF
Indeno(1,2,3-cd)pyrene	400	460	0.50	0.696	0.801	15	NA	± 20 %	AverageRF
Dibenz(a,h)anthracene	400	450	0.40	0.789	0.882	12	NA	± 20 %	AverageRF
Benzo(g,h,i)perylene	400	420	0.50	0.895	0.949	6	NA	± 20 %	AverageRF
Fluorene-d10	400	410	0.01	1.13	1.16	3	NA	± 20 %	AverageRF
Fluoranthene-d10	400	430	0.01	1.02	1.09	6	NA	± 20 %	AverageRF
Terphenyl-d14	400	400	0.01	0.773	0.781	1	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: K1305359

Analysis Run Log
Polynuclear Aromatic Hydrocarbons

Analysis Method: 8270D SIM

Analysis Lot: KWG1305807
Instrument ID: MS11

File ID	Sample Name	Lab Code	Date Analysis Started	Start Time	Q	Date Analysis Finished	Finish Time
0615F001.D	GC/MS Tuning - Decafluorotriphenylph	KWG1305807-1	6/15/2013	07:20		6/15/2013	07:40
0615F002.D	Continuing Calibration Verification	KWG1305807-2	6/15/2013	07:46		6/15/2013	08:06
0615F003.D	Method Blank	KWG1305602-3	6/15/2013	08:13		6/15/2013	08:33
0615F004.D	Lab Control Sample	KWG1305602-1	6/15/2013	08:39		6/15/2013	08:59
0615F005.D	Duplicate Lab Control Sample	KWG1305602-2	6/15/2013	09:06		6/15/2013	09:26
0615F006.D	ZZZZZZ	ZZZZZZ	6/15/2013	09:32		6/15/2013	09:52
0615F007.D	ZZZZZZ	ZZZZZZ	6/15/2013	09:59		6/15/2013	10:19
0615F008.D	ZZZZZZ	ZZZZZZ	6/15/2013	10:25		6/15/2013	10:45
0615F009.D	ZZZZZZ	ZZZZZZ	6/15/2013	10:52		6/15/2013	11:12
0615F010.D	ZZZZZZ	ZZZZZZ	6/15/2013	11:18		6/15/2013	11:38
0615F011.D	ZZZZZZ	ZZZZZZ	6/15/2013	11:44		6/15/2013	12:04
0615F012.D	ZZZZZZ	ZZZZZZ	6/15/2013	12:11		6/15/2013	12:31
0615F013.D	ZZZZZZ	ZZZZZZ	6/15/2013	12:37		6/15/2013	12:57
0615F014.D	ZZZZZZ	ZZZZZZ	6/15/2013	13:04		6/15/2013	13:24
0615F015.D	BXS-1	K1305359-001	6/15/2013	13:30		6/15/2013	13:50
0615F016.D	BXS-2	K1305359-002	6/15/2013	13:57		6/15/2013	14:17
0615F017.D	BXS-5	K1305359-003	6/15/2013	14:23		6/15/2013	14:43

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
Sample Matrix: Water

Service Request: K1305359
Date Extracted: 06/11/2013

Extraction Prep Log
Polynuclear Aromatic Hydrocarbons

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

Extraction Lot: KWG1305602
Level: Low

Sample Name	Lab Code	Date Collected	Date Received	Sample Amount	Final Volume	% Solids	Note
BXS-1	K1305359-001	06/04/13	06/06/13	1080ml	5ml	NA	
BXS-2	K1305359-002	06/04/13	06/06/13	1080ml	5ml	NA	
BXS-5	K1305359-003	06/04/13	06/06/13	1050ml	5ml	NA	
Method Blank	KWG1305602-3	NA	NA	1080ml	5ml	NA	
Lab Control Sample	KWG1305602-1	NA	NA	1000ml	5ml	NA	
Duplicate Lab Control Sample	KWG1305602-2	NA	NA	1000ml	5ml	NA	

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

June 29, 2013 Analytical Report for Service Request No: K1305362

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 June 06, 2013. For your reference, these analyses have been assigned our service request number K1305362.

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

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

Respectfully submitted,

ALS Group USA Corp. dba ALS Environmental

Chris Leaf
Project Manager

CL/mj

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

Environmental www.alsglobal.com
RIGHT SOLUTIONS RIGHT PARTNER

Acronyms

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

Inorganic Data Qualifiers

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

Metals Data Qualifiers

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

Organic Data Qualifiers

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

Additional Petroleum Hydrocarbon Specific Qualifiers

F	The chromatographic fingerprint of the sample matches the elution pattern of the calibration standard.
L	The chromatographic fingerprint of the sample resembles a petroleum product, but the elution pattern indicates the presence of a greater amount of lighter molecular weight constituents than the calibration standard.
H	The chromatographic fingerprint of the sample resembles a petroleum product, but the elution pattern indicates the presence of a greater amount of heavier molecular weight constituents than the calibration standard.
O	The chromatographic fingerprint of the sample resembles an oil, but does not match the calibration standard.
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:	J.H. Baxter	**Service Request No.:**	K1305362
Project:	J. H. Baxter - Arlington	**Date Received:**	6/6/2013
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 6/6/2013. Sample MW-17 arrived broken upon initial sample inspection. The remaining samples were received in good condition and consistent with the accompanying chain of custody form. For all samples requesting EPA Method 8151A Modified, Pentachlorophenol was assigned based on historical data. The exceptions are also noted on the cooler receipt and preservation form included in this data package. The samples were stored in a refrigerator at 4°C upon receipt at the laboratory.

Pentachlorophenol by EPA Method 8151

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

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.

Surrogate Exceptions:
The control criteria for 4-Bromo-2, 6-dichlorophenol in several field samples were not applicable. The analysis of the sample required a dilution, which resulted in a surrogate concentration below the reporting limit. No further corrective action was appropriate.

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

Polynuclear Aromatic Hydrocarbons by EPA Method 8270

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

SR# K1305362

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
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	6-3	0940		H_2O	1	X					
MW-15	6-3	0852			2	X	X				
MW-16	6-2	1753			2	X	X				
MW-17	6-3	0935			2	X	X				
MW-18	6-3	0810			2	X	X				
MW-2	6-3	1112			2	X	X				
MW-22	6-3	1204			1	X					
MW-23	6-3	1225			1	X					
MW-24	6-3	1415			1	X					
MW-25	6-3	1325			1	X					
MW-26	6-3	1528			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
X Standard (10-15 working days)
___ Provide Fax Results

Requested Report Date

Circle (only) 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; w/ 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: 05-13 0715	Signature:	Date/Time: 5/16/13 920	Signature	Date/Time	Signature	Date/Time
Printed Name: Scott Thielke	Firm: JHBaxter	Printed Name: Bonnie	Firm: ACS	Printed Name	Firm	Printed Name	Firm

8

Columbia Analytical Services

29637 CHAIN OF CUSTODY

SR# K1355632

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
Company Address: 85 N. BAXTER RD
City/State/Zip: EUGENE OR 97402
E-Mail Address:
Phone #: FAX #:
Sampler Signature:

Sample ID	Date	Time	Lab ID	Matrix	Number of Containers	8151A Modified / 7D	8270D / PAH SIM				Remarks
1 MW-38	6-3	1036		H_2O	1	X					1
2 MW-39	6-2	1622			1	X					2
3 MW-40	6-2	1517			1	X					3
4 MW-41	6-2	1508			1	X					4
5 MW-42	6-3	0817			1	X					5
6 MW-43	6-3	0910			1	X					6
7 MW-44	6-3	1615			1	X					7
8 Field Blank Rinsate	6-3	1700			2	X	X				8
9 MW-3	6-3	1336			2	X	X				9 No Phos Cond. on field blank
10											10
11											11

Report Requirements

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

Invoice Information

P.O.#:
Bill To: JH BAXTER

Turnaround Requirements

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

Requested Report Date

Circle which metals are to be analyzed

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

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

Special Instructions/Comments: QUESTIONS PLEASE CALL: STEVE BARNETT 503-639-3700

*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	Date/Time 6-5-13 0715	Signature	Date/Time 6/6/13 920	Signature	Date/Time	Signature	Date/Time
Printed Name SCOTT THIELKE	Firm JH BAXTER	Printed Name	Firm	Printed Name	Firm	Printed Name	Firm

Columbia Analytical Services

29637 CHAIN OF CUSTODY

SR# K1305632

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 8151	8270D / PAH SIM				Remarks
1 MW-27	6-3	1505		H_2O	1	X					1
2 MW-28	6-3	1545			1	X					2
3 MW-29	6-3	1138			1	X					3
4 MW-30	6-2	1803			2	X	X				4
5 MW-31	6-2	1745			1	X					5
6 MW-32	6-3	1303			1	X					6
7 MW-33	6-3	1444			1	X					7
8 MW-34	6-3	1110			1	X					8
9 MW-35	6-3	1436			2	X	X				9
10 MW-36	6-3	1545			2	X	X				10
11 MW-37	6-2	1652			2	X	X				11

10

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 Co 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 On

Questions Please Call: STEVE BARNETT 503-659-3400

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

Relinquished By:		Received By:		Relinquished By:		Received By:	
Signature: Scott Thielke	Date/Time: 6-5-13 0715	Signature: [illegible]	Date/Time: 6/6/13 0920	Signature:	Date/Time:	Signature:	Date/Time:
Printed Name: SCOTT THIELKE	Firm: JH BAXTER	Printed Name: [illegible]	Firm: ACS	Printed Name:	Firm:	Printed Name:	Firm:

PC CL

Cooler Receipt and Preservation Form

Client / Project: JH Baxter Service Request K13 05362

Received: 6/6/13 Opened: 6/6/13 By: BST Unloaded: 6/6/13 By: BST

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

   If present, were custody seals intact? Y N If present, were they signed and dated? Y N

Raw Cooler Temp	Corrected Cooler Temp	Raw Temp Blank	Corrected Temp Blank	Corr. Factor	Thermometer ID	Cooler/COC ID NA	Tracking Number NA	Filed
1.6	1.3	1.2	0.9	-0.3	332		8684 6030 8791	
2.4	2.2	2.0	1.8	-0.2	294		8020 1659 7478	
1.6	1.3	2.4	2.1	-0.3	298		8020 1659 7467	
0.6	0.4	1.0	0.8	-0.2	331		8020 1659 7489	

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: BST 6/6/13

Sample ID	Bottle Count Bottle Type	Out of Temp	Head-space	Broke	pH	Reagent	Volume added	Reagent Lot Number	Initials	Time
MW-17	1x40mL			X						

Notes, Discrepancies, & Resolutions: Rec'd 1x 1L 8270 for MW-41, COC only has PCP listed. Sent email notice of broken sample on 6/7/13 - CL Sent email 6/11/13 re historical work. All samples logged for PCP only when 8151A requested no degradate required as none listed on COC. CL 6/13/13

Pentachlorophenol

Organic Analysis:
Pentachlorophenol

Summary Package

Sample and QC Results

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

Service Request: K1305362

Cover Page - Organic Analysis Data Package
Pentachlorophenol

Sample Name	Lab Code	Date Collected	Date Received
HCMW-7	K1305362-001	06/03/2013	06/06/2013
MW-15	K1305362-002	06/03/2013	06/06/2013
MW-16	K1305362-003	06/02/2013	06/06/2013
MW-18	K1305362-005	06/03/2013	06/06/2013
MW-2	K1305362-006	06/03/2013	06/06/2013
MW-22	K1305362-007	06/03/2013	06/06/2013
MW-23	K1305362-008	06/03/2013	06/06/2013
MW-24	K1305362-009	06/03/2013	06/06/2013
MW-25	K1305362-010	06/03/2013	06/06/2013
MW-26	K1305362-011	06/03/2013	06/06/2013
MW-38	K1305362-012	06/03/2013	06/06/2013
MW-39	K1305362-013	06/02/2013	06/06/2013
MW-40	K1305362-014	06/02/2013	06/06/2013
MW-41	K1305362-015	06/02/2013	06/06/2013
MW-42	K1305362-016	06/03/2013	06/06/2013
MW-43	K1305362-017	06/03/2013	06/06/2013
MW-44	K1305362-018	06/03/2013	06/06/2013
Field Blank Rinsate	K1305362-019	06/03/2013	06/06/2013
MW-3	K1305362-020	06/03/2013	06/06/2013
MW-27	K1305362-021	06/03/2013	06/06/2013
MW-28	K1305362-022	06/03/2013	06/06/2013
MW-29	K1305362-023	06/03/2013	06/06/2013
MW-30	K1305362-024	06/02/2013	06/06/2013
MW-31	K1305362-025	06/03/2013	06/06/2013
MW-32	K1305362-026	06/03/2013	06/06/2013
MW-33	K1305362-027	06/03/2013	06/06/2013
MW-34	K1305362-028	06/03/2013	06/06/2013
MW-35	K1305362-029	06/03/2013	06/06/2013
MW-36	K1305362-030	06/03/2013	06/06/2013
MW-37	K1305362-031	06/02/2013	06/06/2013
HCMW-7MS	KWG1305589-1	06/03/2013	06/06/2013
HCMW-7DMS	KWG1305589-2	06/03/2013	06/06/2013

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: Shane Miller

Date: 6/21/13 Title: _____

ALS Group USA, Corp. dba ALS Environmental

Analytical Results

Client:	JH Baxter & Company	**Service Request:**	K1305362
Project:	J.H. Baxter-Arlington	**Date Collected:**	06/03/2013
Sample Matrix:	Water	**Date Received:**	06/06/2013

Pentachlorophenol

Sample Name:	HCMW-7	**Units:**	ug/L
Lab Code:	K1305362-001	**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	U	0.50	0.16	1	06/06/13	06/18/13	KWG1305589	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
4-Bromo-2,6-dichlorophenol	83	33-114	06/18/13	Acceptable

Comments:

ALS Group USA, Corp. dba ALS Environmental

Analytical Results

Client:	JH Baxter & Company	**Service Request:**	K1305362
Project:	J.H. Baxter-Arlington	**Date Collected:**	06/03/2013
Sample Matrix:	Water	**Date Received:**	06/06/2013

Pentachlorophenol

Sample Name:	MW-15	**Units:**	ug/L
Lab Code:	K1305362-002	**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	**0.63**		0.50	0.16	1	06/06/13	06/18/13	KWG1305589	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
4-Bromo-2,6-dichlorophenol	92	33-114	06/18/13	Acceptable

Comments:

ALS Group USA, Corp. dba ALS Environmental

Analytical Results

Client:	JH Baxter & Company	**Service Request:**	K1305362
Project:	J.H. Baxter-Arlington	**Date Collected:**	06/02/2013
Sample Matrix:	Water	**Date Received:**	06/06/2013

Pentachlorophenol

Sample Name:	MW-16	**Units:**	ug/L
Lab Code:	K1305362-003	**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	U	0.50	0.16	1	06/06/13	06/18/13	KWG1305589	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
4-Bromo-2,6-dichlorophenol	82	33-114	06/18/13	Acceptable

Comments:

ALS Group USA, Corp. dba ALS Environmental

Analytical Results

Client:	JH Baxter & Company	**Service Request:**	K1305362
Project:	J.H. Baxter-Arlington	**Date Collected:**	06/03/2013
Sample Matrix:	Water	**Date Received:**	06/06/2013

Pentachlorophenol

Sample Name:	MW-18	**Units:**	ug/L
Lab Code:	K1305362-005	**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	U	0.50	0.16	1	06/06/13	06/18/13	KWG1305589	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
4-Bromo-2,6-dichlorophenol	89	33-114	06/18/13	Acceptable

Comments:

ALS Group USA, Corp. dba ALS Environmental

Analytical Results

Client:	JH Baxter & Company	**Service Request:**	K1305362
Project:	J.H. Baxter-Arlington	**Date Collected:**	06/03/2013
Sample Matrix:	Water	**Date Received:**	06/06/2013

Pentachlorophenol

Sample Name:	MW-2	**Units:**	ug/L
Lab Code:	K1305362-006	**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	06/06/13	06/18/13	KWG1305589	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
4-Bromo-2,6-dichlorophenol	81	33-114	06/18/13	Acceptable

Comments:

Analytical Results

Client:	JH Baxter & Company	**Service Request:**	K1305362
Project:	J.H. Baxter-Arlington	**Date Collected:**	06/03/2013
Sample Matrix:	Water	**Date Received:**	06/06/2013

Pentachlorophenol

Sample Name:	MW-22	**Units:**	ug/L
Lab Code:	K1305362-007	**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	**160**	D	5.0	1.6	10	06/06/13	06/18/13	KWG1305589	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
4-Bromo-2,6-dichlorophenol	87	33-114	06/18/13	Acceptable

Comments:

ALS Group USA, Corp. dba ALS Environmental

Analytical Results

Client:	JH Baxter & Company	**Service Request:**	K1305362
Project:	J.H. Baxter-Arlington	**Date Collected:**	06/03/2013
Sample Matrix:	Water	**Date Received:**	06/06/2013

Pentachlorophenol

Sample Name:	MW-23	**Units:**	ug/L
Lab Code:	K1305362-008	**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	440	D	25	8.0	50	06/06/13	06/18/13	KWG1305589	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
4-Bromo-2,6-dichlorophenol	90	33-114	06/18/13	Acceptable

Comments:

ALS Group USA, Corp. dba ALS Environmental

Analytical Results

Client:	JH Baxter & Company	**Service Request:**	K1305362
Project:	J.H. Baxter-Arlington	**Date Collected:**	06/03/2013
Sample Matrix:	Water	**Date Received:**	06/06/2013

Pentachlorophenol

Sample Name:	MW-24	**Units:**	ug/L
Lab Code:	K1305362-009	**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	**540**	D	25	8.0	50	06/06/13	06/18/13	KWG1305589	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
4-Bromo-2,6-dichlorophenol	76	33-114	06/18/13	Acceptable

Comments:

ALS Group USA, Corp. dba ALS Environmental

Analytical Results

Client:	JH Baxter & Company	**Service Request:**	K1305362
Project:	J.H. Baxter-Arlington	**Date Collected:**	06/03/2013
Sample Matrix:	Water	**Date Received:**	06/06/2013

Pentachlorophenol

Sample Name:	MW-25	**Units:**	ug/L
Lab Code:	K1305362-010	**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	**2100**	D	250	80	500	06/06/13	06/18/13	KWG1305589	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
4-Bromo-2,6-dichlorophenol	64	33-114	06/18/13	Acceptable

Comments:

ALS Group USA, Corp. dba ALS Environmental

Analytical Results

Client:	JH Baxter & Company	**Service Request:**	K1305362
Project:	J.H. Baxter-Arlington	**Date Collected:**	06/03/2013
Sample Matrix:	Water	**Date Received:**	06/06/2013

Pentachlorophenol

Sample Name:	MW-26	**Units:**	ug/L
Lab Code:	K1305362-011	**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	ND	U	0.50	0.16	1	06/06/13	06/18/13	KWG1305589	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
4-Bromo-2,6-dichlorophenol	76	33-114	06/18/13	Acceptable

Comments:

ALS Group USA, Corp. dba ALS Environmental

Analytical Results

Client:	JH Baxter & Company	**Service Request:**	K1305362
Project:	J.H. Baxter-Arlington	**Date Collected:**	06/03/2013
Sample Matrix:	Water	**Date Received:**	06/06/2013

Pentachlorophenol

Sample Name:	MW-38	**Units:**	ug/L
Lab Code:	K1305362-012	**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	ND	U	0.50	0.16	1	06/06/13	06/18/13	KWG1305589	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
4-Bromo-2,6-dichlorophenol	76	33-114	06/18/13	Acceptable

Comments:

ALS Group USA, Corp. dba ALS Environmental

Analytical Results

Client:	JH Baxter & Company	**Service Request:**	K1305362
Project:	J.H. Baxter-Arlington	**Date Collected:**	06/02/2013
Sample Matrix:	Water	**Date Received:**	06/06/2013

Pentachlorophenol

Sample Name:	MW-39	**Units:**	ug/L
Lab Code:	K1305362-013	**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	95	D	5.0	1.6	10	06/06/13	06/18/13	KWG1305589	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
4-Bromo-2,6-dichlorophenol	72	33-114	06/18/13	Acceptable

Comments:

ALS Group USA, Corp. dba ALS Environmental

Analytical Results

Client:	JH Baxter & Company	**Service Request:**	K1305362
Project:	J.H. Baxter-Arlington	**Date Collected:**	06/02/2013
Sample Matrix:	Water	**Date Received:**	06/06/2013

Pentachlorophenol

Sample Name:	MW-40	**Units:**	ug/L
Lab Code:	K1305362-014	**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	**350**	D	25	8.0	50	06/06/13	06/18/13	KWG1305589	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
4-Bromo-2,6-dichlorophenol	81	33-114	06/18/13	Acceptable

Comments:

ALS Group USA, Corp. dba ALS Environmental

Analytical Results

Client:	JH Baxter & Company	**Service Request:**	K1305362
Project:	J.H. Baxter-Arlington	**Date Collected:**	06/02/2013
Sample Matrix:	Water	**Date Received:**	06/06/2013

Pentachlorophenol

Sample Name:	MW-41	**Units:**	ug/L
Lab Code:	K1305362-015	**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	**160**	D	5.0	1.6	10	06/06/13	06/18/13	KWG1305589	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
4-Bromo-2,6-dichlorophenol	80	33-114	06/18/13	Acceptable

Comments:

ALS Group USA, Corp. dba ALS Environmental

Analytical Results

Client:	JH Baxter & Company	**Service Request:**	K1305362
Project:	J.H. Baxter-Arlington	**Date Collected:**	06/03/2013
Sample Matrix:	Water	**Date Received:**	06/06/2013

Pentachlorophenol

Sample Name:	MW-42	**Units:**	ug/L
Lab Code:	K1305362-016	**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	ND	U	0.50	0.16	1	06/06/13	06/18/13	KWG1305589	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
4-Bromo-2,6-dichlorophenol	81	33-114	06/18/13	Acceptable

Comments:

ALS Group USA, Corp. dba ALS Environmental

Analytical Results

Client:	JH Baxter & Company	**Service Request:**	K1305362
Project:	J.H. Baxter-Arlington	**Date Collected:**	06/03/2013
Sample Matrix:	Water	**Date Received:**	06/06/2013

Pentachlorophenol

Sample Name:	MW-43	**Units:**	ug/L
Lab Code:	K1305362-017	**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	ND	U	0.50	0.16	1	06/06/13	06/18/13	KWG1305589	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
4-Bromo-2,6-dichlorophenol	78	33-114	06/18/13	Acceptable

Comments:

ALS Group USA, Corp. dba ALS Environmental

Analytical Results

Client:	JH Baxter & Company	**Service Request:**	K1305362
Project:	J.H. Baxter-Arlington	**Date Collected:**	06/03/2013
Sample Matrix:	Water	**Date Received:**	06/06/2013

Pentachlorophenol

Sample Name:	MW-44	**Units:**	ug/L
Lab Code:	K1305362-018	**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	**480**	D	25	8.0	50	06/06/13	06/19/13	KWG1305589	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
4-Bromo-2,6-dichlorophenol	63	33-114	06/19/13	Acceptable

Comments:

ALS Group USA, Corp. dba ALS Environmental

Analytical Results

Client:	JH Baxter & Company	**Service Request:**	K1305362
Project:	J.H. Baxter-Arlington	**Date Collected:**	06/03/2013
Sample Matrix:	Water	**Date Received:**	06/06/2013

Pentachlorophenol

Sample Name:	Field Blank Rinsate	**Units:**	ug/L
Lab Code:	K1305362-019	**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	ND	U	0.50	0.16	1	06/06/13	06/18/13	KWG1305589	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
4-Bromo-2,6-dichlorophenol	70	33-114	06/18/13	Acceptable

Comments:

Analytical Results

Client:	JH Baxter & Company	**Service Request:**	K1305362
Project:	J.H. Baxter-Arlington	**Date Collected:**	06/03/2013
Sample Matrix:	Water	**Date Received:**	06/06/2013

Pentachlorophenol

Sample Name:	MW-3	**Units:**	ug/L
Lab Code:	K1305362-020	**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	**130**	D	5.0	1.6	10	06/06/13	06/18/13	KWG1305589	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
4-Bromo-2,6-dichlorophenol	78	33-114	06/18/13	Acceptable

Comments:

ALS Group USA, Corp. dba ALS Environmental

Analytical Results

Client:	JH Baxter & Company	**Service Request:**	K1305362
Project:	J.H. Baxter-Arlington	**Date Collected:**	06/03/2013
Sample Matrix:	Water	**Date Received:**	06/06/2013

Pentachlorophenol

Sample Name:	MW-27	**Units:**	ug/L
Lab Code:	K1305362-021	**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	ND	U	0.50	0.16	1	06/06/13	06/18/13	KWG1305589	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
4-Bromo-2,6-dichlorophenol	80	33-114	06/18/13	Acceptable

Comments:

ALS Group USA, Corp. dba ALS Environmental

Analytical Results

Client:	JH Baxter & Company	**Service Request:**	K1305362
Project:	J.H. Baxter-Arlington	**Date Collected:**	06/03/2013
Sample Matrix:	Water	**Date Received:**	06/06/2013

Pentachlorophenol

Sample Name:	MW-28	**Units:**	ug/L
Lab Code:	K1305362-022	**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	**34**	D	2.5	0.80	5	06/06/13	06/18/13	KWG1305587	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
4-Bromo-2,6-dichlorophenol	81	33-114	06/13/13	Acceptable

Comments:

ALS Group USA, Corp. dba ALS Environmental

Analytical Results

Client:	JH Baxter & Company	**Service Request:**	K1305362
Project:	J.H. Baxter-Arlington	**Date Collected:**	06/03/2013
Sample Matrix:	Water	**Date Received:**	06/06/2013

Pentachlorophenol

Sample Name:	MW-29	**Units:**	ug/L
Lab Code:	K1305362-023	**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	**1.6**		0.50	0.16	1	06/06/13	06/13/13	KWG1305587	

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

Comments:

ALS Group USA, Corp. dba ALS Environmental

Analytical Results

Client:	JH Baxter & Company	**Service Request:**	K1305362
Project:	J.H. Baxter-Arlington	**Date Collected:**	06/02/2013
Sample Matrix:	Water	**Date Received:**	06/06/2013

Pentachlorophenol

Sample Name:	MW-30	**Units:**	ug/L
Lab Code:	K1305362-024	**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	ND	U	0.50	0.16	1	06/06/13	06/13/13	KWG1305587	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
4-Bromo-2,6-dichlorophenol	83	33-114	06/13/13	Acceptable

Comments:

Analytical Results

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

Service Request: K1305362
Date Collected: 06/03/2013
Date Received: 06/06/2013

Pentachlorophenol

Sample Name: MW-31
Lab Code: K1305362-025

Units: ug/L
Basis: NA

Extraction Method: Method
Analysis Method: 8151M

Level: Low

Analyte Name	Result	Q	MRL	MDL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Note
Pentachlorophenol	ND	U	0.50	0.16	1	06/06/13	06/13/13	KWG1305587	

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

Comments:

ALS Group USA, Corp. dba ALS Environmental

Analytical Results

Client:	JH Baxter & Company	**Service Request:**	K1305362
Project:	J.H. Baxter-Arlington	**Date Collected:**	06/03/2013
Sample Matrix:	Water	**Date Received:**	06/06/2013

Pentachlorophenol

Sample Name:	MW-32	**Units:**	ug/L
Lab Code:	K1305362-026	**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	**150**	D	5.0	1.6	10	06/06/13	06/20/13	KWG1305587	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
4-Bromo-2,6-dichlorophenol	84	33-114	06/20/13	Acceptable

Comments:

ALS Group USA, Corp. dba ALS Environmental

Analytical Results

Client:	JH Baxter & Company	**Service Request:**	K1305362
Project:	J.H. Baxter-Arlington	**Date Collected:**	06/03/2013
Sample Matrix:	Water	**Date Received:**	06/06/2013

Pentachlorophenol

Sample Name:	MW-33	**Units:**	ug/L
Lab Code:	K1305362-027	**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	ND	U	0.50	0.16	1	06/06/13	06/13/13	KWG1305587	

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

Comments:

ALS Group USA, Corp. dba ALS Environmental

Analytical Results

Client:	JH Baxter & Company	**Service Request:**	K1305362
Project:	J.H. Baxter-Arlington	**Date Collected:**	06/03/2013
Sample Matrix:	Water	**Date Received:**	06/06/2013

Pentachlorophenol

Sample Name:	MW-34	**Units:**	ug/L
Lab Code:	K1305362-028	**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	**190**	D	25	8.0	50	06/06/13	06/18/13	KWG1305587	

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

Comments:

ALS Group USA, Corp. dba ALS Environmental

Analytical Results

Client:	JH Baxter & Company	**Service Request:**	K1305362
Project:	J.H. Baxter-Arlington	**Date Collected:**	06/03/2013
Sample Matrix:	Water	**Date Received:**	06/06/2013

Pentachlorophenol

Sample Name:	MW-35	**Units:**	ug/L
Lab Code:	K1305362-029	**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	ND	U	0.50	0.16	1	06/06/13	06/13/13	KWG1305587	

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

Comments:

ALS Group USA, Corp. dba ALS Environmental

Analytical Results

Client:	JH Baxter & Company	**Service Request:**	K1305362
Project:	J.H. Baxter-Arlington	**Date Collected:**	06/03/2013
Sample Matrix:	Water	**Date Received:**	06/06/2013

Pentachlorophenol

Sample Name:	MW-36	**Units:**	ug/L
Lab Code:	K1305362-030	**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	**230**	D	25	8.0	50	06/06/13	06/18/13	KWG1305587	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
4-Bromo-2,6-dichlorophenol	87	33-114	06/13/13	Acceptable

Comments:

ALS Group USA, Corp. dba ALS Environmental

Analytical Results

Client:	JH Baxter & Company	**Service Request:**	K1305362
Project:	J.H. Baxter-Arlington	**Date Collected:**	06/02/2013
Sample Matrix:	Water	**Date Received:**	06/06/2013

Pentachlorophenol

Sample Name:	MW-37	**Units:**	ug/L
Lab Code:	K1305362-031	**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	ND	U	0.50	0.16	1	06/06/13	06/13/13	KWG1305587	

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

Comments:

ALS Group USA, Corp. dba ALS Environmental

Analytical Results

Client:	JH Baxter & Company	**Service Request:**	K1305362
Project:	J.H. Baxter-Arlington	**Date Collected:**	NA
Sample Matrix:	Water	**Date Received:**	NA

Pentachlorophenol

Sample Name:	Method Blank	**Units:**	ug/L
Lab Code:	KWG1305587-4	**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	06/06/13	06/13/13	KWG1305587	

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

Comments:

Analytical Results

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

Service Request: K1305362
Date Collected: NA
Date Received: NA

Pentachlorophenol

Sample Name: Method Blank
Lab Code: KWG1305589-4

Units: ug/L
Basis: NA

Extraction Method: METHOD
Analysis Method: 8151M

Level: Low

Analyte Name	Result	Q	MRL	MDL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Note
Pentachlorophenol	ND	U	0.50	0.16	1	06/06/13	06/18/13	KWG1305589	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
4-Bromo-2,6-dichlorophenol	81	33-114	06/18/13	Acceptable

Comments:

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

Service Request: K1305362

Surrogate Recovery Summary
Pentachlorophenol

Extraction Method: Method
Analysis Method: 8151M

Units: Percent
Level: Low

Sample Name	Lab Code	Sur1
Batch QC	K1305356-001	79
HCMW-7	K1305362-001	83
MW-15	K1305362-002	92
MW-16	K1305362-003	82
MW-18	K1305362-005	89
MW-2	K1305362-006	81
MW-22	K1305362-007	87 D
MW-23	K1305362-008	90 D #
MW-24	K1305362-009	76 D #
MW-25	K1305362-010	64 D #
MW-26	K1305362-011	76
MW-38	K1305362-012	76
MW-39	K1305362-013	72 D
MW-40	K1305362-014	81 D #
MW-41	K1305362-015	80 D
MW-42	K1305362-016	81
MW-43	K1305362-017	78
MW-44	K1305362-018	63 D #
Field Blank Rinsate	K1305362-019	70
MW-3	K1305362-020	78 D
MW-27	K1305362-021	80
MW-28	K1305362-022	81
MW-29	K1305362-023	79
MW-30	K1305362-024	83
MW-31	K1305362-025	78
MW-32	K1305362-026	84 D
MW-33	K1305362-027	79
MW-34	K1305362-028	76
MW-35	K1305362-029	72
MW-36	K1305362-030	87
MW-37	K1305362-031	77
Method Blank	KWG1305587-4	77
Method Blank	KWG1305589-4	81
Batch QCMS	KWG1305587-1	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.

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

Service Request: K1305362

Surrogate Recovery Summary
Pentachlorophenol

Extraction Method: Method
Analysis Method: 8151M

Units: Percent
Level: Low

Sample Name	Lab Code	Sur1
Batch QCDMS	KWG1305587-2	87
HCMW-7MS	KWG1305589-1	85
HCMW-7DMS	KWG1305589-2	95
Lab Control Sample	KWG1305587-3	88
Lab Control Sample	KWG1305589-3	93

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:**	K1305362
Project:	J.H. Baxter-Arlington	**Date Extracted:**	06/06/2013
Sample Matrix:	Water	**Date Analyzed:**	06/18/2013

Matrix Spike/Duplicate Matrix Spike Summary
Pentachlorophenol

Sample Name:	Batch QC	**Units:**	ug/L
Lab Code:	K1305356-001	**Basis:**	NA
Extraction Method:	Method	**Level:**	Low
Analysis Method:	8151M	**Extraction Lot:**	KWG1305587

		Batch QCMS KWG1305587-1 Matrix Spike			Batch QCDMS KWG1305587-2 Duplicate Matrix Spike					
Analyte Name	**Sample Result**	**Result**	**Spike Amount**	**%Rec**	**Result**	**Spike Amount**	**%Rec**	**%Rec Limits**	**RPD**	**RPD Limit**
Pentachlorophenol	590	631	10.0	436 #	673	10.0	852 #	40-106	6	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:**	K1305362
Project:	J.H. Baxter-Arlington	**Date Extracted:**	06/06/2013
Sample Matrix:	Water	**Date Analyzed:**	06/18/2013

Matrix Spike/Duplicate Matrix Spike Summary
Pentachlorophenol

Sample Name:	HCMW-7	**Units:**	ug/L
Lab Code:	K1305362-001	**Basis:**	NA
Extraction Method:	METHOD	**Level:**	Low
Analysis Method:	8151M	**Extraction Lot:**	KWG1305589

		HCMW-7MS KWG1305589-1 Matrix Spike			HCMW-7DMS KWG1305589-2 Duplicate Matrix Spike					
Analyte Name	**Sample Result**	**Result**	**Spike Amount**	**%Rec**	**Result**	**Spike Amount**	**%Rec**	**%Rec Limits**	**RPD**	**RPD Limit**
Pentachlorophenol	ND	9.59	10.0	96	10.2	10.0	102	40-106	6	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:**	K1305362
Project:	J.H. Baxter-Arlington	**Date Extracted:**	06/06/2013
Sample Matrix:	Water	**Date Analyzed:**	06/13/2013

Lab Control Spike Summary
Pentachlorophenol

Extraction Method:	Method	**Units:**	ug/L
Analysis Method:	8151M	**Basis:**	NA
		Level:	Low
		Extraction Lot:	KWG1305587

	Lab Control Sample KWG1305587-3 Lab Control Spike			
Analyte Name	**Result**	**Spike Amount**	**%Rec**	**%Rec Limits**
Pentachlorophenol	8.88	10.0	89	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:**	K1305362
Project:	J.H. Baxter-Arlington	**Date Extracted:**	06/06/2013
Sample Matrix:	Water	**Date Analyzed:**	06/18/2013

Lab Control Spike Summary
Pentachlorophenol

Extraction Method:	METHOD	**Units:**	ug/L
Analysis Method:	8151M	**Basis:**	NA
		Level:	Low
		Extraction Lot:	KWG1305589

	Lab Control Sample KWG1305589-3 Lab Control Spike			
Analyte Name	**Result**	**Spike Amount**	**%Rec**	**%Rec Limits**
Pentachlorophenol	9.16	10.0	92	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:**	K1305362
Project:	J.H. Baxter-Arlington	**Date Extracted:**	06/06/2013
Sample Matrix:	Water	**Date Analyzed:**	06/13/2013
		Time Analyzed:	11:13

Method Blank Summary
Pentachlorophenol

Sample Name:	Method Blank	**Instrument ID:**	GC16
Lab Code:	KWG1305587-4	**File ID:**	J:\GC16\DATA\061213P2\0612P143.D
Extraction Method:	Method	**Level:**	Low
Analysis Method:	8151M	**Extraction Lot:**	KWG1305587

This Method Blank applies to the following analyses:

Sample Name	Lab Code	File ID	Date Analyzed	Time Analyzed
Lab Control Sample	KWG1305587-3	J:\GC16\DATA\061213P2\0612P142.D	06/13/13	10:53
Batch QC	K1305356-001	J:\GC16\DATA\061213P2\0612P144.D	06/13/13	11:32
Batch QCMS	KWG1305587-1	J:\GC16\DATA\061213P2\0612P145.D	06/13/13	11:52
Batch QCDMS	KWG1305587-2	J:\GC16\DATA\061213P2\0612P146.D	06/13/13	12:11
MW-28	K1305362-022	J:\GC16\DATA\061213P2\0612P151.D	06/13/13	14:08
MW-29	K1305362-023	J:\GC16\DATA\061213P2\0612P152.D	06/13/13	14:28
MW-30	K1305362-024	J:\GC16\DATA\061213P2\0612P155.D	06/13/13	15:26
MW-31	K1305362-025	J:\GC16\DATA\061213P2\0612P156.D	06/13/13	16:06
MW-33	K1305362-027	J:\GC16\DATA\061213P2\0612P158.D	06/13/13	16:45
MW-34	K1305362-028	J:\GC16\DATA\061213P2\0612P159.D	06/13/13	17:04
MW-35	K1305362-029	J:\GC16\DATA\061213P2\0612P160.D	06/13/13	17:24
MW-36	K1305362-030	J:\GC16\DATA\061213P2\0612P161.D	06/13/13	17:43
MW-37	K1305362-031	J:\GC16\DATA\061213P2\0612P162.D	06/13/13	18:03
Batch QC	K1305356-001	J:\GC16\DATA\061713P\0617P069.D	06/18/13	18:25
Batch QCMS	KWG1305587-1	J:\GC16\DATA\061713P\0617P070.D	06/18/13	18:45
Batch QCDMS	KWG1305587-2	J:\GC16\DATA\061713P\0617P071.D	06/18/13	19:05
MW-28	K1305362-022	J:\GC16\DATA\061713P\0617P072.D	06/18/13	19:24
MW-34	K1305362-028	J:\GC16\DATA\061713P\0617P076.D	06/18/13	20:43
MW-36	K1305362-030	J:\GC16\DATA\061713P\0617P077.D	06/18/13	21:02
MW-32	K1305362-026	J:\GC16\DATA\062013\0620F010.D	06/20/13	14:45

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QA/QC Report

Client:	JH Baxter & Company	**Service Request:**	K1305362
Project:	J.H. Baxter-Arlington	**Date Extracted:**	06/06/2013
Sample Matrix:	Water	**Date Analyzed:**	06/18/2013
		Time Analyzed:	01:46

Method Blank Summary
Pentachlorophenol

Sample Name:	Method Blank	**Instrument ID:**	GC16
Lab Code:	KWG1305589-4	**File ID:**	J:\GC16\DATA\061713P\0617P019.D
Extraction Method:	METHOD	**Level:**	Low
Analysis Method:	8151M	**Extraction Lot:**	KWG1305589

This Method Blank applies to the following analyses:

Sample Name	Lab Code	File ID	Date Analyzed	Time Analyzed
Lab Control Sample	KWG1305589-3	J:\GC16\DATA\061713P\0617P018.D	06/18/13	01:26
HCMW-7	K1305362-001	J:\GC16\DATA\061713P\0617P020.D	06/18/13	02:05
HCMW-7MS	KWG1305589-1	J:\GC16\DATA\061713P\0617P021.D	06/18/13	02:25
HCMW-7DMS	KWG1305589-2	J:\GC16\DATA\061713P\0617P022.D	06/18/13	02:44
MW-15	K1305362-002	J:\GC16\DATA\061713P\0617P023.D	06/18/13	03:04
MW-16	K1305362-003	J:\GC16\DATA\061713P\0617P024.D	06/18/13	03:23
MW-18	K1305362-005	J:\GC16\DATA\061713P\0617P025.D	06/18/13	03:43
MW-2	K1305362-006	J:\GC16\DATA\061713P\0617P026.D	06/18/13	04:02
MW-22	K1305362-007	J:\GC16\DATA\061713P\0617P027.D	06/18/13	04:22
MW-23	K1305362-008	J:\GC16\DATA\061713P\0617P028.D	06/18/13	04:42
MW-24	K1305362-009	J:\GC16\DATA\061713P\0617P031.D	06/18/13	05:40
MW-25	K1305362-010	J:\GC16\DATA\061713P\0617P032.D	06/18/13	06:00
MW-26	K1305362-011	J:\GC16\DATA\061713P\0617P033.D	06/18/13	06:19
MW-38	K1305362-012	J:\GC16\DATA\061713P\0617P034.D	06/18/13	06:39
MW-39	K1305362-013	J:\GC16\DATA\061713P\0617P035.D	06/18/13	06:58
MW-40	K1305362-014	J:\GC16\DATA\061713P\0617P036.D	06/18/13	07:18
MW-41	K1305362-015	J:\GC16\DATA\061713P\0617P037.D	06/18/13	07:38
MW-42	K1305362-016	J:\GC16\DATA\061713P\0617P038.D	06/18/13	07:57
MW-43	K1305362-017	J:\GC16\DATA\061713P\0617P039.D	06/18/13	08:17
Field Blank Rinsate	K1305362-019	J:\GC16\DATA\061713P\0617P043.D	06/18/13	09:36
MW-3	K1305362-020	J:\GC16\DATA\061713P\0617P044.D	06/18/13	09:55
MW-27	K1305362-021	J:\GC16\DATA\061713P\0617P045.D	06/18/13	10:15
MW-44	K1305362-018	J:\GC16\DATA\061813\0618F007.D	06/19/13	13:01

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QA/QC Report

Client:	JH Baxter & Company	**Service Request:**	K1305362
Project:	J.H. Baxter-Arlington	**Date Extracted:**	06/06/2013
Sample Matrix:	Water	**Date Analyzed:**	06/13/2013
		Time Analyzed:	10:53

Lab Control Sample Summary
Pentachlorophenol

Sample Name:	Lab Control Sample	**Instrument ID:**	GC16
Lab Code:	KWG1305587-3	**File ID:**	J:\GC16\DATA\061213P2\0612P142.D
Extraction Method:	Method	**Level:**	Low
Analysis Method:	8151M	**Extraction Lot:**	KWG1305587

This Lab Control Sample applies to the following analyses:

Sample Name	Lab Code	File ID	Date Analyzed	Time Analyzed
Method Blank	KWG1305587-4	J:\GC16\DATA\061213P2\0612P143.D	06/13/13	11:13
Batch QC	K1305356-001	J:\GC16\DATA\061213P2\0612P144.D	06/13/13	11:32
Batch QCMS	KWG1305587-1	J:\GC16\DATA\061213P2\0612P145.D	06/13/13	11:52
Batch QCDMS	KWG1305587-2	J:\GC16\DATA\061213P2\0612P146.D	06/13/13	12:11
MW-28	K1305362-022	J:\GC16\DATA\061213P2\0612P151.D	06/13/13	14:08
MW-29	K1305362-023	J:\GC16\DATA\061213P2\0612P152.D	06/13/13	14:28
MW-30	K1305362-024	J:\GC16\DATA\061213P2\0612P155.D	06/13/13	15:26
MW-31	K1305362-025	J:\GC16\DATA\061213P2\0612P156.D	06/13/13	16:06
MW-33	K1305362-027	J:\GC16\DATA\061213P2\0612P158.D	06/13/13	16:45
MW-34	K1305362-028	J:\GC16\DATA\061213P2\0612P159.D	06/13/13	17:04
MW-35	K1305362-029	J:\GC16\DATA\061213P2\0612P160.D	06/13/13	17:24
MW-36	K1305362-030	J:\GC16\DATA\061213P2\0612P161.D	06/13/13	17:43
MW-37	K1305362-031	J:\GC16\DATA\061213P2\0612P162.D	06/13/13	18:03
Batch QC	K1305356-001	J:\GC16\DATA\061713P\0617P069.D	06/18/13	18:25
Batch QCMS	KWG1305587-1	J:\GC16\DATA\061713P\0617P070.D	06/18/13	18:45
Batch QCDMS	KWG1305587-2	J:\GC16\DATA\061713P\0617P071.D	06/18/13	19:05
MW-28	K1305362-022	J:\GC16\DATA\061713P\0617P072.D	06/18/13	19:24
MW-34	K1305362-028	J:\GC16\DATA\061713P\0617P076.D	06/18/13	20:43
MW-36	K1305362-030	J:\GC16\DATA\061713P\0617P077.D	06/18/13	21:02
MW-32	K1305362-026	J:\GC16\DATA\062013\0620F010.D	06/20/13	14:45

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QA/QC Report

Client:	JH Baxter & Company	**Service Request:**	K1305362
Project:	J.H. Baxter-Arlington	**Date Extracted:**	06/06/2013
Sample Matrix:	Water	**Date Analyzed:**	06/18/2013
		Time Analyzed:	01:26

Lab Control Sample Summary
Pentachlorophenol

Sample Name:	Lab Control Sample	**Instrument ID:**	GC16
Lab Code:	KWG1305589-3	**File ID:**	J:\GC16\DATA\061713P\0617P018.D
Extraction Method:	METHOD	**Level:**	Low
Analysis Method:	8151M	**Extraction Lot:**	KWG1305589

This Lab Control Sample applies to the following analyses:

Sample Name	Lab Code	File ID	Date Analyzed	Time Analyzed
Method Blank	KWG1305589-4	J:\GC16\DATA\061713P\0617P019.D	06/18/13	01:46
HCMW-7	K1305362-001	J:\GC16\DATA\061713P\0617P020.D	06/18/13	02:05
HCMW-7MS	KWG1305589-1	J:\GC16\DATA\061713P\0617P021.D	06/18/13	02:25
HCMW-7DMS	KWG1305589-2	J:\GC16\DATA\061713P\0617P022.D	06/18/13	02:44
MW-15	K1305362-002	J:\GC16\DATA\061713P\0617P023.D	06/18/13	03:04
MW-16	K1305362-003	J:\GC16\DATA\061713P\0617P024.D	06/18/13	03:23
MW-18	K1305362-005	J:\GC16\DATA\061713P\0617P025.D	06/18/13	03:43
MW-2	K1305362-006	J:\GC16\DATA\061713P\0617P026.D	06/18/13	04:02
MW-22	K1305362-007	J:\GC16\DATA\061713P\0617P027.D	06/18/13	04:22
MW-23	K1305362-008	J:\GC16\DATA\061713P\0617P028.D	06/18/13	04:42
MW-24	K1305362-009	J:\GC16\DATA\061713P\0617P031.D	06/18/13	05:40
MW-25	K1305362-010	J:\GC16\DATA\061713P\0617P032.D	06/18/13	06:00
MW-26	K1305362-011	J:\GC16\DATA\061713P\0617P033.D	06/18/13	06:19
MW-38	K1305362-012	J:\GC16\DATA\061713P\0617P034.D	06/18/13	06:39
MW-39	K1305362-013	J:\GC16\DATA\061713P\0617P035.D	06/18/13	06:58
MW-40	K1305362-014	J:\GC16\DATA\061713P\0617P036.D	06/18/13	07:18
MW-41	K1305362-015	J:\GC16\DATA\061713P\0617P037.D	06/18/13	07:38
MW-42	K1305362-016	J:\GC16\DATA\061713P\0617P038.D	06/18/13	07:57
MW-43	K1305362-017	J:\GC16\DATA\061713P\0617P039.D	06/18/13	08:17
Field Blank Rinsate	K1305362-019	J:\GC16\DATA\061713P\0617P043.D	06/18/13	09:36
MW-3	K1305362-020	J:\GC16\DATA\061713P\0617P044.D	06/18/13	09:55
MW-27	K1305362-021	J:\GC16\DATA\061713P\0617P045.D	06/18/13	10:15
MW-44	K1305362-018	J:\GC16\DATA\061813\0618F007.D	06/19/13	13:01

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

Service Request: K1305362
Calibration Date: 06/04/2013

Initial Calibration Summary
Pentachlorophenol

Calibration ID: CAL12508
Instrument ID: GC16

Column: Rtx-1701

Level ID	File ID	Level ID	File ID
A	J:\GC16\DATA\060413P\0604P004.D	F	J:\GC16\DATA\060413P\0604P010.D
B	J:\GC16\DATA\060413P\0604P005.D	G	J:\GC16\DATA\060413P\0604P011.D
C	J:\GC16\DATA\060413P\0604P007.D	H	J:\GC16\DATA\060413P\0604P012.D
D	J:\GC16\DATA\060413P\0604P008.D		
E	J:\GC16\DATA\060413P\0604P009.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	90800	B	4.8	86700	C	24	71600	D	48	66600	E	71	63500
	F	95	60300	G	120	60500	H	140	58100						
4-Bromo-2,6-dichlorophenol	A	2.5	46600	B	5.0	45800	C	25	45400	D	50	45800	E	75	45700
	F	100	43700	G	130	44400	H	150	42700						

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

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

Service Request: K1305362
Calibration Date: 06/04/2013

Initial Calibration Summary
Pentachlorophenol

Calibration ID: CAL12508
Instrument ID: GC16

Column: Rtx-1701

Analyte Name	Compound Type	Calibration Evaluation				
		Fit Type	Eval.	Eval. Result	Q	Control Criteria
Pentachlorophenol	MS	Quadratic	COD	0.999		≥ 0.99
4-Bromo-2,6-dichlorophenol	SURR	AverageRF	% RSD	2.9		≤ 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: K1305362
Calibration Date: 06/04/2013
Date Analyzed: 06/04/2013

Second Source Calibration Verification
Pentachlorophenol

Calibration Type: External Standard
Analysis Method: 8151M

Calibration ID: CAL12508
Units: ug/L

File ID: J:\GC16\DATA\060413P\0604P014.D

Column ID: Rtx-1701

Analyte Name	Expected	Result	Average RF	SSV RF	%D	%Drift	Criteria	Curve Fit
Pentachlorophenol	24	28	69800	79800	NA	16	± 20 %	Quadratic

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: K1305362
Calibration Date: 06/04/2013

Initial Calibration Summary
Pentachlorophenol

Calibration ID: CAL12508
Instrument ID: GC16

Column: Rtx-35

Level ID	File ID
A	J:\GC16\DATA\060413P\0604P004.D\0604R004.D
B	J:\GC16\DATA\060413P\0604P005.D\0604R005.D
C	J:\GC16\DATA\060413P\0604P007.D\0604R007.D
D	J:\GC16\DATA\060413P\0604P008.D\0604R008.D
E	J:\GC16\DATA\060413P\0604P009.D\0604R009.D
F	J:\GC16\DATA\060413P\0604P010.D\0604R010.D
G	J:\GC16\DATA\060413P\0604P011.D\0604R011.D
H	J:\GC16\DATA\060413P\0604P012.D\0604R012.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	86400	B	4.8	78900	C	24	63400	D	48	56700	E	71	54600
	F	95	51300	G	120	50900	H	140	48800						
4-Bromo-2,6-dichlorophenol	A	2.5	47500	B	5.0	45900	C	25	42200	D	50	40800	E	75	40100
	F	100	37700	G	130	37800	H	150	36200						

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

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

Service Request: K1305362
Calibration Date: 06/04/2013

Initial Calibration Summary
Pentachlorophenol

Calibration ID: CAL12508
Instrument ID: GC16

Column: Rtx-35

Analyte Name	Compound Type	Calibration Evaluation				
		Fit Type	Eval.	Eval. Result	Q	Control Criteria
Pentachlorophenol	MS	Quadratic	COD	0.999		≥ 0.99
4-Bromo-2,6-dichlorophenol	SURR	AverageRF	% RSD	9.8		≤ 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: K1305362
Calibration Date: 06/04/2013
Date Analyzed: 06/04/2013

Second Source Calibration Verification
Pentachlorophenol

Calibration Type: External Standard
Analysis Method: 8151M

Calibration ID: CAL12508
Units: ug/L

File ID: J:\GC16\DATA\060413P\0604P014.D\0604R014.D

Column ID: Rtx-35

Analyte Name	Expected	Result	Average RF	SSV RF	%D	%Drift	Criteria	Curve Fit
Pentachlorophenol	24	28	61400	70800	NA	18	± 20 %	Quadratic

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: K1305362
Date Analyzed: 06/13/2013

Continuing Calibration Verification Summary
Pentachlorophenol

Calibration Type: External Standard
Analysis Method: 8151M

Calibration Date: 06/04/2013
Calibration ID: CAL12508
Analysis Lot: KWG1305826
Units: ug/L

File ID: J:\GC16\DATA\061213P2\0612P140.D

Column ID: Rtx-1701

Analyte Name	Expected	Result	Average RF	CCV RF	%D	%Drift	Criteria	Curve Fit
Pentachlorophenol	48	53	69800	73700	NA	12	± 20 %	Quadratic
4-Bromo-2,6-dichlorophenol	50	56	45000	50000	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: K1305362
Date Analyzed: 06/13/2013

Continuing Calibration Verification Summary
Pentachlorophenol

Calibration Type: External Standard
Analysis Method: 8151M

Calibration Date: 06/04/2013
Calibration ID: CAL12508
Analysis Lot: KWG1305826
Units: ug/L

File ID: J:\GC16\DATA\061213P2\0612P140.D\0612R140.D

Column ID: Rtx-35

Analyte Name	Expected	Result	Average RF	CCV RF	%D	%Drift	Criteria	Curve Fit
Pentachlorophenol	48	53	61400	62800	NA	11	± 20 %	Quadratic
4-Bromo-2,6-dichlorophenol	50	54	41000	44300	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: K1305362
Date Analyzed: 06/13/2013

Continuing Calibration Verification Summary
Pentachlorophenol

Calibration Type: External Standard
Analysis Method: 8151M

Calibration Date: 06/04/2013
Calibration ID: CAL12508
Analysis Lot: KWG1305826
Units: ug/L

File ID: J:\GC16\DATA\061213P2\0612P153.D

Column ID: Rtx-1701

Analyte Name	Expected	Result	Average RF	CCV RF	%D	%Drift	Criteria	Curve Fit
Pentachlorophenol	48	50	69800	69300	NA	5	± 20 %	Quadratic
4-Bromo-2,6-dichlorophenol	50	51	45000	46200	3	NA	± 20 %	AverageRF

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

ALS Group USA, Corp. dba ALS Environmental

QA/QC Results

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

Service Request: K1305362
Date Analyzed: 06/13/2013

Continuing Calibration Verification Summary
Pentachlorophenol

Calibration Type: External Standard
Analysis Method: 8151M

Calibration Date: 06/04/2013
Calibration ID: CAL12508
Analysis Lot: KWG1305826
Units: ug/L

File ID: J:\GC16\DATA\061213P2\0612P153.D\0612R153.D

Column ID: Rtx-35

Analyte Name	Expected	Result	Average RF	CCV RF	%D	%Drift	Criteria	Curve Fit
Pentachlorophenol	48	49	61400	59000	NA	3	± 20 %	Quadratic
4-Bromo-2,6-dichlorophenol	50	50	41000	40800	-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: K1305362
Date Analyzed: 06/13/2013

Continuing Calibration Verification Summary
Pentachlorophenol

Calibration Type: External Standard
Analysis Method: 8151M

Calibration Date: 06/04/2013
Calibration ID: CAL12508
Analysis Lot: KWG1305826
Units: ug/L

File ID: J:\GC16\DATA\061213P2\0612P163.D

Column ID: Rtx-1701

Analyte Name	Expected	Result	Average RF	CCV RF	%D	%Drift	Criteria	Curve Fit
Pentachlorophenol	48	50	69800	70000	NA	6	± 20 %	Quadratic
4-Bromo-2,6-dichlorophenol	50	55	45000	49600	10	NA	± 20 %	AverageRF

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

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

Service Request: K1305362
Date Analyzed: 06/13/2013

Continuing Calibration Verification Summary
Pentachlorophenol

Calibration Type: External Standard
Analysis Method: 8151M

Calibration Date: 06/04/2013
Calibration ID: CAL12508
Analysis Lot: KWG1305826
Units: ug/L

File ID: J:\GC16\DATA\061213P2\0612P163.D\0612R163.D

Column ID: Rtx-35

Analyte Name	Expected	Result	Average RF	CCV RF	%D	%Drift	Criteria	Curve Fit
Pentachlorophenol	48	50	61400	59700	NA	5	± 20 %	Quadratic
4-Bromo-2,6-dichlorophenol	50	53	41000	43400	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: K1305362
Date Analyzed: 06/18/2013

Continuing Calibration Verification Summary
Pentachlorophenol

Calibration Type: External Standard
Analysis Method: 8151M

Calibration Date: 06/04/2013
Calibration ID: CAL12508
Analysis Lot: KWG1305945
Units: ug/L

File ID: J:\GC16\DATA\061713P\0617P016.D

Column ID: Rtx-1701

Analyte Name	Expected	Result	Average RF	CCV RF	%D	%Drift	Criteria	Curve Fit
Pentachlorophenol	48	47	69800	65800	NA	-1	± 20 %	Quadratic
4-Bromo-2,6-dichlorophenol	50	53	45000	47900	6	NA	± 20 %	AverageRF

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

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

Service Request: K1305362
Date Analyzed: 06/18/2013

Continuing Calibration Verification Summary
Pentachlorophenol

Calibration Type: External Standard
Analysis Method: 8151M

Calibration Date: 06/04/2013
Calibration ID: CAL12508
Analysis Lot: KWG1305945
Units: ug/L

File ID: J:\GC16\DATA\061713P\0617P016.D\0617R016.D

Column ID: Rtx-35

Analyte Name	Expected	Result	Average RF	CCV RF	%D	%Drift	Criteria	Curve Fit
Pentachlorophenol	48	50	61400	60300	NA	6	± 20 %	Quadratic
4-Bromo-2,6-dichlorophenol	50	52	41000	42400	3	NA	± 20 %	AverageRF

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

ALS Group USA, Corp. dba ALS Environmental

QA/QC Results

Client:	JH Baxter & Company	**Service Request:**	K1305362
Project:	J.H. Baxter-Arlington	**Date Analyzed:**	06/18/2013

Continuing Calibration Verification Summary
Pentachlorophenol

Calibration Type:	External Standard	**Calibration Date:**	06/04/2013
Analysis Method:	8151M	**Calibration ID:**	CAL12508
		Analysis Lot:	KWG1305945
		Units:	ug/L
File ID:	J:\GC16\DATA\061713P\0617P029.D	**Column ID:**	Rtx-1701

Analyte Name	Expected	Result	Average RF	CCV RF	%D	%Drift	Criteria	Curve Fit
Pentachlorophenol	48	47	69800	65600	NA	-1	± 20 %	Quadratic
4-Bromo-2,6-dichlorophenol	50	53	45000	47500	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: K1305362
Date Analyzed: 06/18/2013

Continuing Calibration Verification Summary
Pentachlorophenol

Calibration Type: External Standard
Analysis Method: 8151M

Calibration Date: 06/04/2013
Calibration ID: CAL12508
Analysis Lot: KWG1305945
Units: ug/L

File ID: J:\GC16\DATA\061713P\0617P029.D\0617R029.D

Column ID: Rtx-35

Analyte Name	Expected	Result	Average RF	CCV RF	%D	%Drift	Criteria	Curve Fit
Pentachlorophenol	48	47	61400	56700	NA	-1	± 20 %	Quadratic
4-Bromo-2,6-dichlorophenol	50	51	41000	41800	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: K1305362
Date Analyzed: 06/18/2013

Continuing Calibration Verification Summary
Pentachlorophenol

Calibration Type: External Standard
Analysis Method: 8151M

Calibration Date: 06/04/2013
Calibration ID: CAL12508
Analysis Lot: KWG1305945
Units: ug/L

File ID: J:\GC16\DATA\061713P\0617P040.D

Column ID: Rtx-1701

Analyte Name	Expected	Result	Average RF	CCV RF	%D	%Drift	Criteria	Curve Fit
Pentachlorophenol	48	49	69800	67700	NA	2	± 20 %	Quadratic
4-Bromo-2,6-dichlorophenol	50	55	45000	49700	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: K1305362
Date Analyzed: 06/18/2013

Continuing Calibration Verification Summary
Pentachlorophenol

Calibration Type: External Standard
Analysis Method: 8151M

Calibration Date: 06/04/2013
Calibration ID: CAL12508
Analysis Lot: KWG1305945
Units: ug/L

File ID: J:\GC16\DATA\061713P\0617P040.D\0617R040.D

Column ID: Rtx-35

Analyte Name	Expected	Result	Average RF	CCV RF	%D	%Drift	Criteria	Curve Fit
Pentachlorophenol	48	48	61400	58300	NA	2	± 20 %	Quadratic
4-Bromo-2,6-dichlorophenol	50	53	41000	43300	5	NA	± 20 %	AverageRF

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

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

Service Request: K1305362
Date Analyzed: 06/18/2013

Continuing Calibration Verification Summary
Pentachlorophenol

Calibration Type: External Standard
Analysis Method: 8151M

Calibration Date: 06/04/2013
Calibration ID: CAL12508
Analysis Lot: KWG1305945
Units: ug/L

File ID: J:\GC16\DATA\061713P\0617P054.D

Column ID: Rtx-1701

Analyte Name	Expected	Result	Average RF	CCV RF	%D	%Drift	Criteria	Curve Fit
Pentachlorophenol	48	48	69800	66700	NA	1	± 20 %	Quadratic
4-Bromo-2,6-dichlorophenol	50	55	45000	49100	9	NA	± 20 %	AverageRF

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

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

Service Request: K1305362
Date Analyzed: 06/18/2013

Continuing Calibration Verification Summary
Pentachlorophenol

Calibration Type: External Standard
Analysis Method: 8151M

Calibration Date: 06/04/2013
Calibration ID: CAL12508
Analysis Lot: KWG1305945
Units: ug/L

File ID: J:\GC16\DATA\061713P\0617P054.D\0617R054.D

Column ID: Rtx-35

Analyte Name	Expected	Result	Average RF	CCV RF	%D	%Drift	Criteria	Curve Fit
Pentachlorophenol	48	48	61400	57400	NA	0	± 20 %	Quadratic
4-Bromo-2,6-dichlorophenol	50	52	41000	42600	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: K1305362
Date Analyzed: 06/18/2013

Continuing Calibration Verification Summary
Pentachlorophenol

Calibration Type: External Standard
Analysis Method: 8151M

Calibration Date: 06/04/2013
Calibration ID: CAL12508
Analysis Lot: KWG1305945
Units: ug/L

File ID: J:\GC16\DATA\061713P\0617P063.D

Column ID: Rtx-1701

Analyte Name	Expected	Result	Average RF	CCV RF	%D	%Drift	Criteria	Curve Fit
Pentachlorophenol	48	48	69800	66700	NA	1	± 20 %	Quadratic
4-Bromo-2,6-dichlorophenol	50	55	45000	49200	9	NA	± 20 %	AverageRF

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

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

Service Request: K1305362
Date Analyzed: 06/18/2013

Continuing Calibration Verification Summary
Pentachlorophenol

Calibration Type: External Standard
Analysis Method: 8151M

Calibration Date: 06/04/2013
Calibration ID: CAL12508
Analysis Lot: KWG1305945
Units: ug/L

File ID: J:\GC16\DATA\061713P\0617P063.D\0617R063.D

Column ID: Rtx-35

Analyte Name	Expected	Result	Average RF	CCV RF	%D	%Drift	Criteria	Curve Fit
Pentachlorophenol	48	47	61400	57000	NA	0	± 20 %	Quadratic
4-Bromo-2,6-dichlorophenol	50	52	41000	42700	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: K1305362
Date Analyzed: 06/18/2013

Continuing Calibration Verification Summary
Pentachlorophenol

Calibration Type: External Standard
Analysis Method: 8151M

Calibration Date: 06/04/2013
Calibration ID: CAL12508
Analysis Lot: KWG1305945
Units: ug/L

File ID: J:\GC16\DATA\061713P\0617P074.D

Column ID: Rtx-1701

Analyte Name	Expected	Result	Average RF	CCV RF	%D	%Drift	Criteria	Curve Fit
Pentachlorophenol	48	47	69800	66100	NA	0	± 20 %	Quadratic
4-Bromo-2,6-dichlorophenol	50	55	45000	49400	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: K1305362
Date Analyzed: 06/18/2013

Continuing Calibration Verification Summary
Pentachlorophenol

Calibration Type: External Standard
Analysis Method: 8151M

Calibration Date: 06/04/2013
Calibration ID: CAL12508
Analysis Lot: KWG1305945
Units: ug/L

File ID: J:\GC16\DATA\061713P\0617P074.D\0617R074.D

Column ID: Rtx-35

Analyte Name	Expected	Result	Average RF	CCV RF	%D	%Drift	Criteria	Curve Fit
Pentachlorophenol	48	47	61400	57000	NA	0	± 20 %	Quadratic
4-Bromo-2,6-dichlorophenol	50	52	41000	42900	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: K1305362
Date Analyzed: 06/18/2013

Continuing Calibration Verification Summary
Pentachlorophenol

Calibration Type: External Standard
Analysis Method: 8151M

Calibration Date: 06/04/2013
Calibration ID: CAL12508
Analysis Lot: KWG1305945
Units: ug/L

File ID: J:\GC16\DATA\061713P\0617P078.D

Column ID: Rtx-1701

Analyte Name	Expected	Result	Average RF	CCV RF	%D	%Drift	Criteria	Curve Fit
Pentachlorophenol	48	47	69800	65300	NA	-2	± 20 %	Quadratic
4-Bromo-2,6-dichlorophenol	50	54	45000	48900	9	NA	± 20 %	AverageRF

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

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

Service Request: K1305362
Date Analyzed: 06/18/2013

Continuing Calibration Verification Summary
Pentachlorophenol

Calibration Type: External Standard
Analysis Method: 8151M

Calibration Date: 06/04/2013
Calibration ID: CAL12508
Analysis Lot: KWG1305945
Units: ug/L

File ID: J:\GC16\DATA\061713P\0617P078.D\0617R078.D

Column ID: Rtx-35

Analyte Name	Expected	Result	Average RF	CCV RF	%D	%Drift	Criteria	Curve Fit
Pentachlorophenol	48	46	61400	56100	NA	-2	± 20 %	Quadratic
4-Bromo-2,6-dichlorophenol	50	52	41000	42600	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: K1305362
Date Analyzed: 06/19/2013

Continuing Calibration Verification Summary
Pentachlorophenol

Calibration Type: External Standard
Analysis Method: 8151M

Calibration Date: 06/04/2013
Calibration ID: CAL12508
Analysis Lot: KWG1305996
Units: ug/L

File ID: J:\GC16\DATA\061813\0618F005.D

Column ID: Rtx-1701

Analyte Name	Expected	Result	Average RF	CCV RF	%D	%Drift	Criteria	Curve Fit
Pentachlorophenol	48	45	69800	62500	NA	-6	± 20 %	Quadratic
4-Bromo-2,6-dichlorophenol	50	51	45000	46300	3	NA	± 20 %	AverageRF

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

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

Service Request: K1305362
Date Analyzed: 06/19/2013

Continuing Calibration Verification Summary
Pentachlorophenol

Calibration Type: External Standard
Analysis Method: 8151M

Calibration Date: 06/04/2013
Calibration ID: CAL12508
Analysis Lot: KWG1305996
Units: ug/L

File ID: J:\GC16\DATA\061813\0618F005.D\0618R005.D

Column ID: Rtx-35

Analyte Name	Expected	Result	Average RF	CCV RF	%D	%Drift	Criteria	Curve Fit
Pentachlorophenol	48	46	61400	55000	NA	-4	± 20 %	Quadratic
4-Bromo-2,6-dichlorophenol	50	50	41000	41300	1	NA	± 20 %	AverageRF

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

QA/QC Results

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

Service Request: K1305362
Date Analyzed: 06/19/2013

Continuing Calibration Verification Summary
Pentachlorophenol

Calibration Type: External Standard
Analysis Method: 8151M

Calibration Date: 06/04/2013
Calibration ID: CAL12508
Analysis Lot: KWG1305996
Units: ug/L

File ID: J:\GC16\DATA\061813\0618F009.D

Column ID: Rtx-1701

Analyte Name	Expected	Result	Average RF	CCV RF	%D	%Drift	Criteria	Curve Fit
Pentachlorophenol	48	43	69800	61200	NA	-8	± 20 %	Quadratic
4-Bromo-2,6-dichlorophenol	50	51	45000	45500	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: K1305362
Date Analyzed: 06/19/2013

Continuing Calibration Verification Summary
Pentachlorophenol

Calibration Type: External Standard
Analysis Method: 8151M

Calibration Date: 06/04/2013
Calibration ID: CAL12508
Analysis Lot: KWG1305996
Units: ug/L

File ID: J:\GC16\DATA\061813\0618F009.D\0618R009.D

Column ID: Rtx-35

Analyte Name	Expected	Result	Average RF	CCV RF	%D	%Drift	Criteria	Curve Fit
Pentachlorophenol	48	44	61400	53700	NA	-7	± 20 %	Quadratic
4-Bromo-2,6-dichlorophenol	50	50	41000	40600	-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: K1305362
Date Analyzed: 06/20/2013

Continuing Calibration Verification Summary
Pentachlorophenol

Calibration Type: External Standard
Analysis Method: 8151M

Calibration Date: 06/04/2013
Calibration ID: CAL12508
Analysis Lot: KWG1306019
Units: ug/L

File ID: J:\GC16\DATA\062013\0620F007.D

Column ID: Rtx-1701

Analyte Name	Expected	Result	Average RF	CCV RF	%D	%Drift	Criteria	Curve Fit
Pentachlorophenol	48	49	69800	68700	NA	4	± 20 %	Quadratic
4-Bromo-2,6-dichlorophenol	50	52	45000	46900	4	NA	± 20 %	AverageRF

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

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

Service Request: K1305362
Date Analyzed: 06/20/2013

Continuing Calibration Verification Summary
Pentachlorophenol

Calibration Type: External Standard
Analysis Method: 8151M

Calibration Date: 06/04/2013
Calibration ID: CAL12508
Analysis Lot: KWG1306019
Units: ug/L

File ID: J:\GC16\DATA\062013\0620F007.D\0620R007.D

Column ID: Rtx-35

Analyte Name	Expected	Result	Average RF	CCV RF	%D	%Drift	Criteria	Curve Fit
Pentachlorophenol	48	49	61400	59200	NA	4	± 20 %	Quadratic
4-Bromo-2,6-dichlorophenol	50	50	41000	41200	0	NA	± 20 %	AverageRF

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

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

Service Request: K1305362
Date Analyzed: 06/20/2013

Continuing Calibration Verification Summary
Pentachlorophenol

Calibration Type: External Standard
Analysis Method: 8151M

Calibration Date: 06/04/2013
Calibration ID: CAL12508
Analysis Lot: KWG1306019
Units: ug/L

File ID: J:\GC16\DATA\062013\0620F012.D

Column ID: Rtx-1701

Analyte Name	Expected	Result	Average RF	CCV RF	%D	%Drift	Criteria	Curve Fit
Pentachlorophenol	48	51	69800	71400	NA	8	± 20 %	Quadratic
4-Bromo-2,6-dichlorophenol	50	55	45000	49500	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: K1305362
Date Analyzed: 06/20/2013

Continuing Calibration Verification Summary
Pentachlorophenol

Calibration Type: External Standard
Analysis Method: 8151M

Calibration Date: 06/04/2013
Calibration ID: CAL12508
Analysis Lot: KWG1306019
Units: ug/L

File ID: J:\GC16\DATA\062013\0620F012.D\0620R012.D

Column ID: Rtx-35

Analyte Name	Expected	Result	Average RF	CCV RF	%D	%Drift	Criteria	Curve Fit
Pentachlorophenol	48	51	61400	61200	NA	8	± 20 %	Quadratic
4-Bromo-2,6-dichlorophenol	50	53	41000	43400	6	NA	± 20 %	AverageRF

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

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

Service Request: K1305362

Analysis Run Log
Pentachlorophenol

Analysis Method: 8151M

Analysis Lot: KWG1305826
Instrument ID: GC16
Column: Rtx-1701

File ID	Sample Name	Lab Code	Date Analysis Started	Start Time	Q	Date Analysis Finished	Finish Time
0612P103.D	Continuing Calibration Verification	KWG1305826-1	6/12/2013	22:12		6/12/2013	22:27
0612P104.D	Instrument Blank	KWG1305826-2	6/12/2013	22:32		6/12/2013	22:47
0612P105.D	ZZZZZZ	ZZZZZZ	6/12/2013	22:51		6/12/2013	23:06
0612P106.D	ZZZZZZ	ZZZZZZ	6/12/2013	23:11		6/12/2013	23:26
0612P107.D	ZZZZZZ	ZZZZZZ	6/12/2013	23:30		6/12/2013	23:45
0612P108.D	ZZZZZZ	ZZZZZZ	6/12/2013	23:50		6/13/2013	00:05
0612P109.D	ZZZZZZ	ZZZZZZ	6/13/2013	00:09		6/13/2013	00:24
0612P110.D	ZZZZZZ	ZZZZZZ	6/13/2013	00:29		6/13/2013	00:44
0612P111.D	ZZZZZZ	ZZZZZZ	6/13/2013	00:48		6/13/2013	01:03
0612P112.D	ZZZZZZ	ZZZZZZ	6/13/2013	01:08		6/13/2013	01:23
0612P113.D	ZZZZZZ	ZZZZZZ	6/13/2013	01:27		6/13/2013	01:42
0612P114.D	ZZZZZZ	ZZZZZZ	6/13/2013	01:47		6/13/2013	02:02
0612P115.D	ZZZZZZ	ZZZZZZ	6/13/2013	02:06		6/13/2013	02:21
0612P116.D	Continuing Calibration Verification	KWG1305826-3	6/13/2013	02:26		6/13/2013	02:41
0612P117.D	Instrument Blank	KWG1305826-4	6/13/2013	02:45		6/13/2013	03:00
0612P118.D	ZZZZZZ	ZZZZZZ	6/13/2013	03:05		6/13/2013	03:20
0612P119.D	ZZZZZZ	ZZZZZZ	6/13/2013	03:24		6/13/2013	03:39
0612P120.D	ZZZZZZ	ZZZZZZ	6/13/2013	03:44		6/13/2013	03:59
0612P121.D	ZZZZZZ	ZZZZZZ	6/13/2013	04:03		6/13/2013	04:18
0612P122.D	ZZZZZZ	ZZZZZZ	6/13/2013	04:23		6/13/2013	04:38
0612P123.D	ZZZZZZ	ZZZZZZ	6/13/2013	04:42		6/13/2013	04:57
0612P124.D	ZZZZZZ	ZZZZZZ	6/13/2013	05:02		6/13/2013	05:17
0612P125.D	ZZZZZZ	ZZZZZZ	6/13/2013	05:21		6/13/2013	05:36
0612P126.D	ZZZZZZ	ZZZZZZ	6/13/2013	05:41		6/13/2013	05:56
0612P127.D	ZZZZZZ	ZZZZZZ	6/13/2013	06:00		6/13/2013	06:15
0612P128.D	ZZZZZZ	ZZZZZZ	6/13/2013	06:20		6/13/2013	06:35
0612P129.D	Continuing Calibration Verification	KWG1305826-5	6/13/2013	06:39		6/13/2013	06:54
0612P130.D	Instrument Blank	KWG1305826-6	6/13/2013	06:59		6/13/2013	07:14
0612P131.D	ZZZZZZ	ZZZZZZ	6/13/2013	07:18		6/13/2013	07:33
0612P132.D	ZZZZZZ	ZZZZZZ	6/13/2013	07:38		6/13/2013	07:53
0612P133.D	ZZZZZZ	ZZZZZZ	6/13/2013	07:57		6/13/2013	08:12
0612P134.D	ZZZZZZ	ZZZZZZ	6/13/2013	08:17		6/13/2013	08:32
0612P135.D	ZZZZZZ	ZZZZZZ	6/13/2013	08:36		6/13/2013	08:51
0612P136.D	ZZZZZZ	ZZZZZZ	6/13/2013	08:56		6/13/2013	09:11

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: K1305362

Analysis Run Log
Pentachlorophenol

Analysis Method: 8151M

Analysis Lot: KWG1305826
Instrument ID: GC16
Column: Rtx-1701

File ID	Sample Name	Lab Code	Date Analysis Started	Start Time	Q	Date Analysis Finished	Finish Time
0612P137.D	ZZZZZZ	ZZZZZZ	6/13/2013	09:15		6/13/2013	09:30
0612P138.D	ZZZZZZ	ZZZZZZ	6/13/2013	09:35		6/13/2013	09:50
0612P139.D	ZZZZZZ	ZZZZZZ	6/13/2013	09:54		6/13/2013	10:09
0612P140.D	Continuing Calibration Verification	KWG1305826-7	6/13/2013	10:14		6/13/2013	10:29
0612P141.D	Instrument Blank	KWG1305826-8	6/13/2013	10:33		6/13/2013	10:48
0612P142.D	Lab Control Sample	KWG1305587-3	6/13/2013	10:53		6/13/2013	11:08
0612P143.D	Method Blank	KWG1305587-4	6/13/2013	11:13		6/13/2013	11:28
0612P144.D	Batch QC	K1305356-001	6/13/2013	11:32		6/13/2013	11:47
0612P145.D	Batch QCMS	KWG1305587-1	6/13/2013	11:52		6/13/2013	12:07
0612P146.D	Batch QCDMS	KWG1305587-2	6/13/2013	12:11		6/13/2013	12:26
0612P147.D	ZZZZZZ	ZZZZZZ	6/13/2013	12:50		6/13/2013	13:05
0612P148.D	ZZZZZZ	ZZZZZZ	6/13/2013	13:10		6/13/2013	13:25
0612P149.D	ZZZZZZ	ZZZZZZ	6/13/2013	13:29		6/13/2013	13:44
0612P150.D	ZZZZZZ	ZZZZZZ	6/13/2013	13:49		6/13/2013	14:04
0612P151.D	MW-28	K1305362-022	6/13/2013	14:08		6/13/2013	14:23
0612P152.D	MW-29	K1305362-023	6/13/2013	14:28		6/13/2013	14:43
0612P153.D	Continuing Calibration Verification	KWG1305826-9	6/13/2013	14:47		6/13/2013	15:02
0612P154.D	Instrument Blank	KWG1305826-10	6/13/2013	15:07		6/13/2013	15:22
0612P155.D	MW-30	K1305362-024	6/13/2013	15:26		6/13/2013	15:41
0612P156.D	MW-31	K1305362-025	6/13/2013	16:06		6/13/2013	16:21
0612P157.D	ZZZZZZ	ZZZZZZ	6/13/2013	16:25		6/13/2013	16:40
0612P158.D	MW-33	K1305362-027	6/13/2013	16:45		6/13/2013	17:00
0612P159.D	MW-34	K1305362-028	6/13/2013	17:04		6/13/2013	17:19
0612P160.D	MW-35	K1305362-029	6/13/2013	17:24		6/13/2013	17:39
0612P161.D	MW-36	K1305362-030	6/13/2013	17:43		6/13/2013	17:58
0612P162.D	MW-37	K1305362-031	6/13/2013	18:03		6/13/2013	18:18
0612P163.D	Continuing Calibration Verification	KWG1305826-11	6/13/2013	18:22		6/13/2013	18:37
0612P164.D	Instrument Blank	KWG1305826-12	6/13/2013	18:42		6/13/2013	18:57

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: K1305362

Analysis Run Log
Pentachlorophenol

Analysis Method: 8151M

Analysis Lot: KWG1305945
Instrument ID: GC16
Column: Rtx-1701

File ID	Sample Name	Lab Code	Date Analysis Started	Start Time	Q	Date Analysis Finished	Finish Time
0617P016.D	Continuing Calibration Verification	KWG1305945-1	6/18/2013	00:47		6/18/2013	01:02
0617P017.D	Instrument Blank	KWG1305945-2	6/18/2013	01:07		6/18/2013	01:22
0617P018.D	Lab Control Sample	KWG1305589-3	6/18/2013	01:26		6/18/2013	01:41
0617P019.D	Method Blank	KWG1305589-4	6/18/2013	01:46		6/18/2013	02:01
0617P020.D	HCMW-7	K1305362-001	6/18/2013	02:05		6/18/2013	02:20
0617P021.D	HCMW-7MS	KWG1305589-1	6/18/2013	02:25		6/18/2013	02:40
0617P022.D	HCMW-7DMS	KWG1305589-2	6/18/2013	02:44		6/18/2013	02:59
0617P023.D	MW-15	K1305362-002	6/18/2013	03:04		6/18/2013	03:19
0617P024.D	MW-16	K1305362-003	6/18/2013	03:23		6/18/2013	03:38
0617P025.D	MW-18	K1305362-005	6/18/2013	03:43		6/18/2013	03:58
0617P026.D	MW-2	K1305362-006	6/18/2013	04:02		6/18/2013	04:17
0617P027.D	MW-22	K1305362-007	6/18/2013	04:22		6/18/2013	04:37
0617P028.D	MW-23	K1305362-008	6/18/2013	04:42		6/18/2013	04:57
0617P029.D	Continuing Calibration Verification	KWG1305945-3	6/18/2013	05:01		6/18/2013	05:16
0617P030.D	Instrument Blank	KWG1305945-4	6/18/2013	05:21		6/18/2013	05:36
0617P031.D	MW-24	K1305362-009	6/18/2013	05:40		6/18/2013	05:55
0617P032.D	MW-25	K1305362-010	6/18/2013	06:00		6/18/2013	06:15
0617P033.D	MW-26	K1305362-011	6/18/2013	06:19		6/18/2013	06:34
0617P034.D	MW-38	K1305362-012	6/18/2013	06:39		6/18/2013	06:54
0617P035.D	MW-39	K1305362-013	6/18/2013	06:58		6/18/2013	07:13
0617P036.D	MW-40	K1305362-014	6/18/2013	07:18		6/18/2013	07:33
0617P037.D	MW-41	K1305362-015	6/18/2013	07:38		6/18/2013	07:53
0617P038.D	MW-42	K1305362-016	6/18/2013	07:57		6/18/2013	08:12
0617P039.D	MW-43	K1305362-017	6/18/2013	08:17		6/18/2013	08:32
0617P040.D	Continuing Calibration Verification	KWG1305945-5	6/18/2013	08:37		6/18/2013	08:52
0617P041.D	Instrument Blank	KWG1305945-6	6/18/2013	08:56		6/18/2013	09:11
0617P043.D	Field Blank Rinsate	K1305362-019	6/18/2013	09:36		6/18/2013	09:51
0617P044.D	MW-3	K1305362-020	6/18/2013	09:55		6/18/2013	10:10
0617P045.D	MW-27	K1305362-021	6/18/2013	10:15		6/18/2013	10:30
0617P046.D	ZZZZZZ	ZZZZZZ	6/18/2013	10:35		6/18/2013	10:50
0617P047.D	ZZZZZZ	ZZZZZZ	6/18/2013	10:54		6/18/2013	11:09
0617P048.D	ZZZZZZ	ZZZZZZ	6/18/2013	11:14		6/18/2013	11:29
0617P049.D	ZZZZZZ	ZZZZZZ	6/18/2013	11:33		6/18/2013	11:48
0617P050.D	ZZZZZZ	ZZZZZZ	6/18/2013	11:53		6/18/2013	12:08

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: K1305362

Analysis Run Log
Pentachlorophenol

Analysis Method: 8151M

Analysis Lot: KWG1305945
Instrument ID: GC16
Column: Rtx-1701

File ID	Sample Name	Lab Code	Date Analysis Started	Start Time	Q	Date Analysis Finished	Finish Time
0617P051.D	ZZZZZZ	ZZZZZZ	6/18/2013	12:13		6/18/2013	12:28
0617P052.D	ZZZZZZ	ZZZZZZ	6/18/2013	12:32		6/18/2013	12:47
0617P053.D	ZZZZZZ	ZZZZZZ	6/18/2013	12:52		6/18/2013	13:07
0617P054.D	Continuing Calibration Verification	KWG1305945-7	6/18/2013	13:11		6/18/2013	13:26
0617P055.D	Instrument Blank	KWG1305945-8	6/18/2013	13:31		6/18/2013	13:46
0617P056.D	ZZZZZZ	ZZZZZZ	6/18/2013	14:10		6/18/2013	14:25
0617P057.D	ZZZZZZ	ZZZZZZ	6/18/2013	14:30		6/18/2013	14:45
0617P058.D	ZZZZZZ	ZZZZZZ	6/18/2013	14:49		6/18/2013	15:04
0617P059.D	ZZZZZZ	ZZZZZZ	6/18/2013	15:09		6/18/2013	15:24
0617P060.D	ZZZZZZ	ZZZZZZ	6/18/2013	15:29		6/18/2013	15:44
0617P061.D	ZZZZZZ	ZZZZZZ	6/18/2013	15:48		6/18/2013	16:03
0617P062.D	ZZZZZZ	ZZZZZZ	6/18/2013	16:08		6/18/2013	16:23
0617P063.D	Continuing Calibration Verification	KWG1305945-9	6/18/2013	16:27		6/18/2013	16:42
0617P064.D	Instrument Blank	KWG1305945-10	6/18/2013	16:47		6/18/2013	17:02
0617P065.D	ZZZZZZ	ZZZZZZ	6/18/2013	17:07		6/18/2013	17:22
0617P066.D	ZZZZZZ	ZZZZZZ	6/18/2013	17:26		6/18/2013	17:41
0617P067.D	ZZZZZZ	ZZZZZZ	6/18/2013	17:46		6/18/2013	18:01
0617P068.D	ZZZZZZ	ZZZZZZ	6/18/2013	18:06		6/18/2013	18:21
0617P069.D	Batch QC	K1305356-001	6/18/2013	18:25		6/18/2013	18:40
0617P070.D	Batch QCMS	KWG1305587-1	6/18/2013	18:45		6/18/2013	19:00
0617P071.D	Batch QCDMS	KWG1305587-2	6/18/2013	19:05		6/18/2013	19:20
0617P072.D	MW-28	K1305362-022	6/18/2013	19:24		6/18/2013	19:39
0617P074.D	Continuing Calibration Verification	KWG1305945-11	6/18/2013	20:03		6/18/2013	20:18
0617P075.D	Instrument Blank	KWG1305945-12	6/18/2013	20:23		6/18/2013	20:38
0617P076.D	MW-34	K1305362-028	6/18/2013	20:43		6/18/2013	20:58
0617P077.D	MW-36	K1305362-030	6/18/2013	21:02		6/18/2013	21:17
0617P078.D	Continuing Calibration Verification	KWG1305945-13	6/18/2013	21:22		6/18/2013	21:37
0617P079.D	Instrument Blank	KWG1305945-14	6/18/2013	21:42		6/18/2013	21:57

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: K1305362

Analysis Run Log
Pentachlorophenol

Analysis Method: 8151M

Analysis Lot: KWG1305996
Instrument ID: GC16
Column: Rtx-1701

File ID	Sample Name	Lab Code	Date Analysis Started	Start Time	Q	Date Analysis Finished	Finish Time
0618F005.D	Continuing Calibration Verification	KWG1305996-1	6/19/2013	12:22		6/19/2013	12:37
0618F006.D	Instrument Blank	KWG1305996-2	6/19/2013	12:42		6/19/2013	12:57
0618F007.D	MW-44	K1305362-018	6/19/2013	13:01		6/19/2013	13:16
0618F009.D	Continuing Calibration Verification	KWG1305996-3	6/19/2013	13:40		6/19/2013	13:55
0618F010.D	Instrument Blank	KWG1305996-4	6/19/2013	14:00		6/19/2013	14:15

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: K1305362

Analysis Run Log
Pentachlorophenol

Analysis Method: 8151M

Analysis Lot: KWG1306019
Instrument ID: GC16
Column: Rtx-1701

File ID	Sample Name	Lab Code	Date Analysis Started	Start Time	Q	Date Analysis Finished	Finish Time
0620F007.D	Continuing Calibration Verification	KWG1306019-1	6/20/2013	13:46		6/20/2013	14:01
0620F008.D	Instrument Blank	KWG1306019-2	6/20/2013	14:06		6/20/2013	14:21
0620F010.D	MW-32	K1305362-026	6/20/2013	14:45		6/20/2013	15:00
0620F012.D	Continuing Calibration Verification	KWG1306019-3	6/20/2013	15:24		6/20/2013	15:39
0620F013.D	Instrument Blank	KWG1306019-4	6/20/2013	15:44		6/20/2013	15:59

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: K1305362
Date Extracted: 06/06/2013

Extraction Prep Log
Pentachlorophenol

Extraction Method: Method
Analysis Method: 8151M

Extraction Lot: KWG1305587
Level: Low

Sample Name	Lab Code	Date Collected	Date Received	Sample Amount	Final Volume	% Solids	Note
MW-28	K1305362-022	06/03/13	06/06/13	5mL	1mL	NA	
MW-28DL	K1305362-022	06/03/13	06/06/13	5mL	1mL	NA	
MW-29	K1305362-023	06/03/13	06/06/13	5mL	1mL	NA	
MW-30	K1305362-024	06/02/13	06/06/13	5mL	1mL	NA	
MW-31	K1305362-025	06/03/13	06/06/13	5mL	1mL	NA	
MW-32	K1305362-026	06/03/13	06/06/13	5mL	1mL	NA	
MW-33	K1305362-027	06/03/13	06/06/13	5mL	1mL	NA	
MW-34	K1305362-028	06/03/13	06/06/13	5mL	1mL	NA	
MW-34DL	K1305362-028	06/03/13	06/06/13	5mL	1mL	NA	
MW-35	K1305362-029	06/03/13	06/06/13	5mL	1mL	NA	
MW-36	K1305362-030	06/03/13	06/06/13	5mL	1mL	NA	
MW-36DL	K1305362-030	06/03/13	06/06/13	5mL	1mL	NA	
MW-37	K1305362-031	06/02/13	06/06/13	5mL	1mL	NA	
Method Blank	KWG1305587-4	NA	NA	5mL	1mL	NA	
Batch QCDL	K1305356-001	NA	NA	5mL	1mL	NA	
Batch QC	K1305356-001	NA	NA	5mL	1mL	NA	
Batch QCMS	KWG1305587-1	NA	NA	5mL	1mL	NA	
Batch QCDMS	KWG1305587-2	NA	NA	5mL	1mL	NA	
Lab Control Sample	KWG1305587-3	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: K1305362
Date Extracted: 06/06/2013

Extraction Prep Log
Pentachlorophenol

Extraction Method: METHOD
Analysis Method: 8151M

Extraction Lot: KWG1305589
Level: Low

Sample Name	Lab Code	Date Collected	Date Received	Sample Amount	Final Volume	% Solids	Note
HCMW-7	K1305362-001	06/03/13	06/06/13	5mL	1mL	NA	
MW-15	K1305362-002	06/03/13	06/06/13	5mL	1mL	NA	
MW-16	K1305362-003	06/02/13	06/06/13	5mL	1mL	NA	
MW-18	K1305362-005	06/03/13	06/06/13	5mL	1mL	NA	
MW-2	K1305362-006	06/03/13	06/06/13	5mL	1mL	NA	
MW-22	K1305362-007	06/03/13	06/06/13	5mL	1mL	NA	
MW-23	K1305362-008	06/03/13	06/06/13	5mL	1mL	NA	
MW-24	K1305362-009	06/03/13	06/06/13	5mL	1mL	NA	
MW-25	K1305362-010	06/03/13	06/06/13	5mL	1mL	NA	
MW-26	K1305362-011	06/03/13	06/06/13	5mL	1mL	NA	
MW-38	K1305362-012	06/03/13	06/06/13	5mL	1mL	NA	
MW-39	K1305362-013	06/02/13	06/06/13	5mL	1mL	NA	
MW-40	K1305362-014	06/02/13	06/06/13	5mL	1mL	NA	
MW-41	K1305362-015	06/02/13	06/06/13	5mL	1mL	NA	
MW-42	K1305362-016	06/03/13	06/06/13	5mL	1mL	NA	
MW-43	K1305362-017	06/03/13	06/06/13	5mL	1mL	NA	
MW-44	K1305362-018	06/03/13	06/06/13	5mL	1mL	NA	
Field Blank Rinsate	K1305362-019	06/03/13	06/06/13	5mL	1mL	NA	
MW-3	K1305362-020	06/03/13	06/06/13	5mL	1mL	NA	
MW-27	K1305362-021	06/03/13	06/06/13	5mL	1mL	NA	
Method Blank	KWG1305589-4	NA	NA	5mL	1mL	NA	
HCMW-7MS	KWG1305589-1	06/03/13	06/06/13	5mL	1mL	NA	
HCMW-7DMS	KWG1305589-2	06/03/13	06/06/13	5mL	1mL	NA	
Lab Control Sample	KWG1305589-3	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: K1305362
Date Collected: 06/03/2013
Date Received: 06/06/2013
Date Extracted: 06/06/2013

Pentachlorophenol

Sample Name: MW-15
Lab Code: K1305362-002
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	0.63	0.64	1.6		1	06/18/13

ALS Group USA, Corp. dba ALS Environmental

Confirmation Results

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

Service Request: K1305362
Date Collected: 06/03/2013
Date Received: 06/06/2013
Date Extracted: 06/06/2013

Pentachlorophenol

Sample Name: MW-22
Lab Code: K1305362-007
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	160	160	0.0	D	10	06/18/13

ALS Group USA, Corp. dba ALS Environmental

Confirmation Results

Client:	JH Baxter & Company	**Service Request:**	K1305362
Project:	J.H. Baxter-Arlington	**Date Collected:**	06/03/2013
Sample Matrix:	Water	**Date Received:**	06/06/2013
		Date Extracted:	06/06/2013

Pentachlorophenol

Sample Name:	MW-23	**Units:**	ug/L
Lab Code:	K1305362-008	**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	440	450	2.2	D	50	06/18/13

ALS Group USA, Corp. dba ALS Environmental

Confirmation Results

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

Service Request: K1305362
Date Collected: 06/03/2013
Date Received: 06/06/2013
Date Extracted: 06/06/2013

Pentachlorophenol

Sample Name: MW-24
Lab Code: K1305362-009
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	25	8.0	540	560	3.6	D	50	06/18/13

ALS Group USA, Corp. dba ALS Environmental

Confirmation Results

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

Service Request: K1305362
Date Collected: 06/03/2013
Date Received: 06/06/2013
Date Extracted: 06/06/2013

Pentachlorophenol

Sample Name: MW-25
Lab Code: K1305362-010
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	250	80	2100	2200	4.7	D	500	06/18/13

ALS Group USA, Corp. dba ALS Environmental

Confirmation Results

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

Service Request: K1305362
Date Collected: 06/02/2013
Date Received: 06/06/2013
Date Extracted: 06/06/2013

Pentachlorophenol

Sample Name: MW-39
Lab Code: K1305362-013
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	95	98	3.1	D	10	06/18/13

ALS Group USA, Corp. dba ALS Environmental

Confirmation Results

Client:	JH Baxter & Company	**Service Request:**	K1305362
Project:	J.H. Baxter-Arlington	**Date Collected:**	06/02/2013
Sample Matrix:	Water	**Date Received:**	06/06/2013
		Date Extracted:	06/06/2013

Pentachlorophenol

Sample Name:	MW-40	**Units:**	ug/L
Lab Code:	K1305362-014	**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	25	8.0	350	350	0.0	D	50	06/18/13

ALS Group USA, Corp. dba ALS Environmental

Confirmation Results

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

Service Request: K1305362
Date Collected: 06/02/2013
Date Received: 06/06/2013
Date Extracted: 06/06/2013

Pentachlorophenol

Sample Name: MW-41
Lab Code: K1305362-015
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	160	170	6.1	D	10	06/18/13

ALS Group USA, Corp. dba ALS Environmental

Confirmation Results

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

Service Request: K1305362
Date Collected: 06/03/2013
Date Received: 06/06/2013
Date Extracted: 06/06/2013

Pentachlorophenol

Sample Name: MW-44
Lab Code: K1305362-018
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	25	8.0	480	480	0.0	D	50	06/19/13

ALS Group USA, Corp. dba ALS Environmental

Confirmation Results

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

Service Request: K1305362
Date Collected: 06/03/2013
Date Received: 06/06/2013
Date Extracted: 06/06/2013

Pentachlorophenol

Sample Name: MW-3
Lab Code: K1305362-020
Extraction Method: METHOD
Analysis Method: 8151M

Units: ug/L
Basis: NA
Level: Low

Analyte Name	MRL	MDL	Primary Result	Confirmation Result	RPD	Q	Dilution Factor	Date Analyzed
Pentachlorophenol	5.0	1.6	130	130	0.0	D	10	06/18/13

ALS Group USA, Corp. dba ALS Environmental

Confirmation Results

Client:	JH Baxter & Company	**Service Request:**	K1305362
Project:	J.H. Baxter-Arlington	**Date Collected:**	06/03/2013
Sample Matrix:	Water	**Date Received:**	06/06/2013
		Date Extracted:	06/06/2013

Pentachlorophenol

Sample Name:	MW-28	**Units:**	ug/L
Lab Code:	K1305362-022	**Basis:**	NA
Extraction Method:	Method	**Level:**	Low
Analysis Method:	8151M		

Analyte Name	MRL	MDL	Primary Result	Confirmation Result	RPD	Q	Dilution Factor	Date Analyzed
Pentachlorophenol	2.5	0.80	34	35	2.9	D	5	06/18/13

ALS Group USA, Corp. dba ALS Environmental

Confirmation Results

Client:	JH Baxter & Company	**Service Request:**	K1305362
Project:	J.H. Baxter-Arlington	**Date Collected:**	06/03/2013
Sample Matrix:	Water	**Date Received:**	06/06/2013
		Date Extracted:	06/06/2013

Pentachlorophenol

Sample Name:	MW-29	**Units:**	ug/L
Lab Code:	K1305362-023	**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	1.6	1.6	0.0		1	06/13/13

ALS Group USA, Corp. dba ALS Environmental

Confirmation Results

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

Service Request: K1305362
Date Collected: 06/03/2013
Date Received: 06/06/2013
Date Extracted: 06/06/2013

Pentachlorophenol

Sample Name: MW-32
Lab Code: K1305362-026
Extraction Method: Method
Analysis Method: 8151M

Units: ug/L
Basis: NA
Level: Low

Analyte Name	MRL	MDL	Primary Result	Confirmation Result	RPD	Q	Dilution Factor	Date Analyzed
Pentachlorophenol	5.0	1.6	150	150	0.0	D	10	06/20/13

ALS Group USA, Corp. dba ALS Environmental

Confirmation Results

Client:	JH Baxter & Company	**Service Request:**	K1305362
Project:	J.H. Baxter-Arlington	**Date Collected:**	06/03/2013
Sample Matrix:	Water	**Date Received:**	06/06/2013
		Date Extracted:	06/06/2013

Pentachlorophenol

Sample Name:	MW-34	**Units:**	ug/L
Lab Code:	K1305362-028	**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	190	190	0.0	D	50	06/18/13

ALS Group USA, Corp. dba ALS Environmental

Confirmation Results

Client:	JH Baxter & Company	**Service Request:**	K1305362
Project:	J.H. Baxter-Arlington	**Date Collected:**	06/03/2013
Sample Matrix:	Water	**Date Received:**	06/06/2013
		Date Extracted:	06/06/2013

Pentachlorophenol

Sample Name:	MW-36	**Units:**	ug/L
Lab Code:	K1305362-030	**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	230	240	4.3	D	50	06/18/13

Polynuclear Aromatic Hydrocarbons

Organic Analysis:
Polynuclear Aromatic Hydrocarbons

Summary Package

Sample and QC Results

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

Service Request: K1305362

Cover Page - Organic Analysis Data Package
Polynuclear Aromatic Hydrocarbons

Sample Name	Lab Code	Date Collected	Date Received
MW-15	K1305362-002	06/03/2013	06/06/2013
MW-16	K1305362-003	06/02/2013	06/06/2013
MW-17	K1305362-004	06/03/2013	06/06/2013
MW-18	K1305362-005	06/03/2013	06/06/2013
MW-2	K1305362-006	06/03/2013	06/06/2013
MW-41	K1305362-015	06/02/2013	06/06/2013
Field Blank Rinsate	K1305362-019	06/03/2013	06/06/2013
MW-3	K1305362-020	06/03/2013	06/06/2013
MW-30	K1305362-024	06/02/2013	06/06/2013
MW-35	K1305362-029	06/03/2013	06/06/2013
MW-36	K1305362-030	06/03/2013	06/06/2013
MW-37	K1305362-031	06/02/2013	06/06/2013

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: [illegible]

Name: Carl Degner

Date: 6/19/13

Title: SVOC Supervisor

ALS Group USA, Corp. dba ALS Environmental

Analytical Results

Client:	JH Baxter & Company	**Service Request:**	K1305362
Project:	J.H. Baxter-Arlington	**Date Collected:**	06/03/2013
Sample Matrix:	Water	**Date Received:**	06/06/2013

Polynuclear Aromatic Hydrocarbons

Sample Name:	MW-15	**Units:**	ug/L
Lab Code:	K1305362-002	**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	**0.040**		0.020	0.0038	1	06/07/13	06/14/13	KWG1305500	
2-Methylnaphthalene	**0.0027**	J	0.020	0.0023	1	06/07/13	06/14/13	KWG1305500	
Acenaphthylene	ND	U	0.020	0.0034	1	06/07/13	06/14/13	KWG1305500	
Acenaphthene	ND	U	0.020	0.0044	1	06/07/13	06/14/13	KWG1305500	
Fluorene	ND	U	0.020	0.0038	1	06/07/13	06/14/13	KWG1305500	
Phenanthrene	ND	U	0.020	0.0050	1	06/07/13	06/14/13	KWG1305500	
Anthracene	ND	U	0.020	0.0036	1	06/07/13	06/14/13	KWG1305500	
Fluoranthene	ND	U	0.020	0.010	1	06/07/13	06/14/13	KWG1305500	
Pyrene	ND	U	0.020	0.0053	1	06/07/13	06/14/13	KWG1305500	
Benz(a)anthracene	ND	U	0.020	0.0026	1	06/07/13	06/14/13	KWG1305500	
Chrysene	ND	U	0.020	0.0034	1	06/07/13	06/14/13	KWG1305500	
Benzo(b)fluoranthene	ND	U	0.020	0.0041	1	06/07/13	06/14/13	KWG1305500	
Benzo(k)fluoranthene	ND	U	0.020	0.0030	1	06/07/13	06/14/13	KWG1305500	
Benzo(a)pyrene	ND	U	0.020	0.0043	1	06/07/13	06/14/13	KWG1305500	
Indeno(1,2,3-cd)pyrene	ND	U	0.020	0.0026	1	06/07/13	06/14/13	KWG1305500	
Dibenz(a,h)anthracene	ND	U	0.020	0.0025	1	06/07/13	06/14/13	KWG1305500	
Benzo(g,h,i)perylene	ND	U	0.020	0.0029	1	06/07/13	06/14/13	KWG1305500	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
Fluorene-d10	90	46-114	06/14/13	Acceptable
Fluoranthene-d10	92	51-121	06/14/13	Acceptable
Terphenyl-d14	83	58-140	06/14/13	Acceptable

Comments:

ALS Group USA, Corp. dba ALS Environmental

Analytical Results

Client:	JH Baxter & Company	**Service Request:**	K1305362
Project:	J.H. Baxter-Arlington	**Date Collected:**	06/02/2013
Sample Matrix:	Water	**Date Received:**	06/06/2013

Polynuclear Aromatic Hydrocarbons

Sample Name:	MW-16	**Units:**	ug/L
Lab Code:	K1305362-003	**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	**0.043**		0.020	0.0038	1	06/07/13	06/14/13	KWG1305500	
2-Methylnaphthalene	**0.0031**	J	0.020	0.0023	1	06/07/13	06/14/13	KWG1305500	
Acenaphthylene	ND	U	0.020	0.0034	1	06/07/13	06/14/13	KWG1305500	
Acenaphthene	ND	U	0.020	0.0044	1	06/07/13	06/14/13	KWG1305500	
Fluorene	ND	U	0.020	0.0038	1	06/07/13	06/14/13	KWG1305500	
Phenanthrene	ND	U	0.020	0.0050	1	06/07/13	06/14/13	KWG1305500	
Anthracene	ND	U	0.020	0.0036	1	06/07/13	06/14/13	KWG1305500	
Fluoranthene	ND	U	0.020	0.010	1	06/07/13	06/14/13	KWG1305500	
Pyrene	ND	U	0.020	0.0053	1	06/07/13	06/14/13	KWG1305500	
Benz(a)anthracene	ND	U	0.020	0.0026	1	06/07/13	06/14/13	KWG1305500	
Chrysene	ND	U	0.020	0.0034	1	06/07/13	06/14/13	KWG1305500	
Benzo(b)fluoranthene	ND	U	0.020	0.0041	1	06/07/13	06/14/13	KWG1305500	
Benzo(k)fluoranthene	ND	U	0.020	0.0030	1	06/07/13	06/14/13	KWG1305500	
Benzo(a)pyrene	ND	U	0.020	0.0043	1	06/07/13	06/14/13	KWG1305500	
Indeno(1,2,3-cd)pyrene	ND	U	0.020	0.0026	1	06/07/13	06/14/13	KWG1305500	
Dibenz(a,h)anthracene	ND	U	0.020	0.0025	1	06/07/13	06/14/13	KWG1305500	
Benzo(g,h,i)perylene	ND	U	0.020	0.0029	1	06/07/13	06/14/13	KWG1305500	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
Fluorene-d10	93	46-114	06/14/13	Acceptable
Fluoranthene-d10	95	51-121	06/14/13	Acceptable
Terphenyl-d14	85	58-140	06/14/13	Acceptable

Comments:

ALS Group USA, Corp. dba ALS Environmental

Analytical Results

Client:	JH Baxter & Company	**Service Request:**	K1305362
Project:	J.H. Baxter-Arlington	**Date Collected:**	06/03/2013
Sample Matrix:	Water	**Date Received:**	06/06/2013

Polynuclear Aromatic Hydrocarbons

Sample Name:	MW-17	**Units:**	ug/L
Lab Code:	K1305362-004	**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	**0.035**		0.020	0.0038	1	06/07/13	06/14/13	KWG1305500	
2-Methylnaphthalene	ND	U	0.020	0.0023	1	06/07/13	06/14/13	KWG1305500	
Acenaphthylene	ND	U	0.020	0.0034	1	06/07/13	06/14/13	KWG1305500	
Acenaphthene	ND	U	0.020	0.0044	1	06/07/13	06/14/13	KWG1305500	
Fluorene	ND	U	0.020	0.0038	1	06/07/13	06/14/13	KWG1305500	
Phenanthrene	ND	U	0.020	0.0050	1	06/07/13	06/14/13	KWG1305500	
Anthracene	ND	U	0.020	0.0036	1	06/07/13	06/14/13	KWG1305500	
Fluoranthene	ND	U	0.020	0.010	1	06/07/13	06/14/13	KWG1305500	
Pyrene	ND	U	0.020	0.0053	1	06/07/13	06/14/13	KWG1305500	
Benz(a)anthracene	ND	U	0.020	0.0026	1	06/07/13	06/14/13	KWG1305500	
Chrysene	ND	U	0.020	0.0034	1	06/07/13	06/14/13	KWG1305500	
Benzo(b)fluoranthene	ND	U	0.020	0.0041	1	06/07/13	06/14/13	KWG1305500	
Benzo(k)fluoranthene	ND	U	0.020	0.0030	1	06/07/13	06/14/13	KWG1305500	
Benzo(a)pyrene	ND	U	0.020	0.0043	1	06/07/13	06/14/13	KWG1305500	
Indeno(1,2,3-cd)pyrene	ND	U	0.020	0.0026	1	06/07/13	06/14/13	KWG1305500	
Dibenz(a,h)anthracene	ND	U	0.020	0.0025	1	06/07/13	06/14/13	KWG1305500	
Benzo(g,h,i)perylene	ND	U	0.020	0.0029	1	06/07/13	06/14/13	KWG1305500	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
Fluorene-d10	87	46-114	06/14/13	Acceptable
Fluoranthene-d10	91	51-121	06/14/13	Acceptable
Terphenyl-d14	80	58-140	06/14/13	Acceptable

Comments:

ALS Group USA, Corp. dba ALS Environmental

Analytical Results

Client:	JH Baxter & Company	**Service Request:**	K1305362
Project:	J.H. Baxter-Arlington	**Date Collected:**	06/03/2013
Sample Matrix:	Water	**Date Received:**	06/06/2013

Polynuclear Aromatic Hydrocarbons

Sample Name:	MW-18	**Units:**	ug/L
Lab Code:	K1305362-005	**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	**0.051**		0.020	0.0038	1	06/07/13	06/14/13	KWG1305500	
2-Methylnaphthalene	**0.0045**	J	0.020	0.0023	1	06/07/13	06/14/13	KWG1305500	
Acenaphthylene	ND	U	0.020	0.0034	1	06/07/13	06/14/13	KWG1305500	
Acenaphthene	ND	U	0.020	0.0044	1	06/07/13	06/14/13	KWG1305500	
Fluorene	ND	U	0.020	0.0038	1	06/07/13	06/14/13	KWG1305500	
Phenanthrene	ND	U	0.020	0.0050	1	06/07/13	06/14/13	KWG1305500	
Anthracene	ND	U	0.020	0.0036	1	06/07/13	06/14/13	KWG1305500	
Fluoranthene	ND	U	0.020	0.010	1	06/07/13	06/14/13	KWG1305500	
Pyrene	ND	U	0.020	0.0053	1	06/07/13	06/14/13	KWG1305500	
Benz(a)anthracene	ND	U	0.020	0.0026	1	06/07/13	06/14/13	KWG1305500	
Chrysene	ND	U	0.020	0.0034	1	06/07/13	06/14/13	KWG1305500	
Benzo(b)fluoranthene	ND	U	0.020	0.0041	1	06/07/13	06/14/13	KWG1305500	
Benzo(k)fluoranthene	ND	U	0.020	0.0030	1	06/07/13	06/14/13	KWG1305500	
Benzo(a)pyrene	ND	U	0.020	0.0043	1	06/07/13	06/14/13	KWG1305500	
Indeno(1,2,3-cd)pyrene	ND	U	0.020	0.0026	1	06/07/13	06/14/13	KWG1305500	
Dibenz(a,h)anthracene	ND	U	0.020	0.0025	1	06/07/13	06/14/13	KWG1305500	
Benzo(g,h,i)perylene	ND	U	0.020	0.0029	1	06/07/13	06/14/13	KWG1305500	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
Fluorene-d10	91	46-114	06/14/13	Acceptable
Fluoranthene-d10	96	51-121	06/14/13	Acceptable
Terphenyl-d14	87	58-140	06/14/13	Acceptable

Comments:

ALS Group USA, Corp. dba ALS Environmental

Analytical Results

Client:	JH Baxter & Company	**Service Request:**	K1305362
Project:	J.H. Baxter-Arlington	**Date Collected:**	06/03/2013
Sample Matrix:	Water	**Date Received:**	06/06/2013

Polynuclear Aromatic Hydrocarbons

Sample Name:	MW-2	**Units:**	ug/L
Lab Code:	K1305362-006	**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	**0.025**		0.020	0.0038	1	06/07/13	06/14/13	KWG1305500	
2-Methylnaphthalene	**0.0029**	J	0.020	0.0023	1	06/07/13	06/14/13	KWG1305500	
Acenaphthylene	ND	U	0.020	0.0034	1	06/07/13	06/14/13	KWG1305500	
Acenaphthene	ND	U	0.020	0.0044	1	06/07/13	06/14/13	KWG1305500	
Fluorene	ND	U	0.020	0.0038	1	06/07/13	06/14/13	KWG1305500	
Phenanthrene	ND	U	0.020	0.0050	1	06/07/13	06/14/13	KWG1305500	
Anthracene	**0.015**	J	0.020	0.0036	1	06/07/13	06/14/13	KWG1305500	
Fluoranthene	ND	U	0.020	0.010	1	06/07/13	06/14/13	KWG1305500	
Pyrene	ND	U	0.020	0.0053	1	06/07/13	06/14/13	KWG1305500	
Benz(a)anthracene	ND	U	0.020	0.0026	1	06/07/13	06/14/13	KWG1305500	
Chrysene	ND	U	0.020	0.0034	1	06/07/13	06/14/13	KWG1305500	
Benzo(b)fluoranthene	ND	U	0.020	0.0041	1	06/07/13	06/14/13	KWG1305500	
Benzo(k)fluoranthene	ND	U	0.020	0.0030	1	06/07/13	06/14/13	KWG1305500	
Benzo(a)pyrene	ND	U	0.020	0.0043	1	06/07/13	06/14/13	KWG1305500	
Indeno(1,2,3-cd)pyrene	ND	U	0.020	0.0026	1	06/07/13	06/14/13	KWG1305500	
Dibenz(a,h)anthracene	ND	U	0.020	0.0025	1	06/07/13	06/14/13	KWG1305500	
Benzo(g,h,i)perylene	ND	U	0.020	0.0029	1	06/07/13	06/14/13	KWG1305500	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
Fluorene-d10	91	46-114	06/14/13	Acceptable
Fluoranthene-d10	96	51-121	06/14/13	Acceptable
Terphenyl-d14	83	58-140	06/14/13	Acceptable

Comments:

ALS Group USA, Corp. dba ALS Environmental

Analytical Results

Client:	JH Baxter & Company	**Service Request:**	K1305362
Project:	J.H. Baxter-Arlington	**Date Collected:**	06/02/2013
Sample Matrix:	Water	**Date Received:**	06/06/2013

Polynuclear Aromatic Hydrocarbons

Sample Name:	MW-41	**Units:**	ug/L
Lab Code:	K1305362-015	**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	**0.054**		0.020	0.0038	1	06/07/13	06/15/13	KWG1305500	
2-Methylnaphthalene	**0.0043**	J	0.020	0.0023	1	06/07/13	06/15/13	KWG1305500	
Acenaphthylene	ND	U	0.020	0.0034	1	06/07/13	06/15/13	KWG1305500	
Acenaphthene	ND	U	0.020	0.0044	1	06/07/13	06/15/13	KWG1305500	
Fluorene	ND	U	0.020	0.0038	1	06/07/13	06/15/13	KWG1305500	
Phenanthrene	ND	U	0.020	0.0050	1	06/07/13	06/15/13	KWG1305500	
Anthracene	**0.0071**	J	0.020	0.0036	1	06/07/13	06/15/13	KWG1305500	
Fluoranthene	ND	U	0.020	0.010	1	06/07/13	06/15/13	KWG1305500	
Pyrene	ND	U	0.020	0.0053	1	06/07/13	06/15/13	KWG1305500	
Benz(a)anthracene	ND	U	0.020	0.0026	1	06/07/13	06/15/13	KWG1305500	
Chrysene	ND	U	0.020	0.0034	1	06/07/13	06/15/13	KWG1305500	
Benzo(b)fluoranthene	ND	U	0.020	0.0041	1	06/07/13	06/15/13	KWG1305500	
Benzo(k)fluoranthene	ND	U	0.020	0.0030	1	06/07/13	06/15/13	KWG1305500	
Benzo(a)pyrene	ND	U	0.020	0.0043	1	06/07/13	06/15/13	KWG1305500	
Indeno(1,2,3-cd)pyrene	ND	U	0.020	0.0026	1	06/07/13	06/15/13	KWG1305500	
Dibenz(a,h)anthracene	ND	U	0.020	0.0025	1	06/07/13	06/15/13	KWG1305500	
Benzo(g,h,i)perylene	ND	U	0.020	0.0029	1	06/07/13	06/15/13	KWG1305500	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
Fluorene-d10	91	46-114	06/15/13	Acceptable
Fluoranthene-d10	90	51-121	06/15/13	Acceptable
Terphenyl-d14	76	58-140	06/15/13	Acceptable

Comments:

ALS Group USA, Corp. dba ALS Environmental

Analytical Results

Client:	JH Baxter & Company	**Service Request:**	K1305362
Project:	J.H. Baxter-Arlington	**Date Collected:**	06/03/2013
Sample Matrix:	Water	**Date Received:**	06/06/2013

Polynuclear Aromatic Hydrocarbons

Sample Name:	Field Blank Rinsate	**Units:**	ug/L
Lab Code:	K1305362-019	**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	**0.022**		0.020	0.0038	1	06/07/13	06/15/13	KWG1305500	
2-Methylnaphthalene	**0.011**	J	0.020	0.0023	1	06/07/13	06/15/13	KWG1305500	
Acenaphthylene	ND	U	0.020	0.0034	1	06/07/13	06/15/13	KWG1305500	
Acenaphthene	ND	Ui	0.033	0.033	1	06/07/13	06/15/13	KWG1305500	
Fluorene	**0.0043**	J	0.020	0.0038	1	06/07/13	06/15/13	KWG1305500	
Phenanthrene	**0.0060**	J	0.020	0.0050	1	06/07/13	06/15/13	KWG1305500	
Anthracene	ND	U	0.020	0.0036	1	06/07/13	06/15/13	KWG1305500	
Fluoranthene	ND	U	0.020	0.010	1	06/07/13	06/15/13	KWG1305500	
Pyrene	ND	U	0.020	0.0053	1	06/07/13	06/15/13	KWG1305500	
Benz(a)anthracene	ND	U	0.020	0.0026	1	06/07/13	06/15/13	KWG1305500	
Chrysene	ND	U	0.020	0.0034	1	06/07/13	06/15/13	KWG1305500	
Benzo(b)fluoranthene	ND	U	0.020	0.0041	1	06/07/13	06/15/13	KWG1305500	
Benzo(k)fluoranthene	ND	U	0.020	0.0030	1	06/07/13	06/15/13	KWG1305500	
Benzo(a)pyrene	ND	U	0.020	0.0043	1	06/07/13	06/15/13	KWG1305500	
Indeno(1,2,3-cd)pyrene	ND	U	0.020	0.0026	1	06/07/13	06/15/13	KWG1305500	
Dibenz(a,h)anthracene	ND	U	0.020	0.0025	1	06/07/13	06/15/13	KWG1305500	
Benzo(g,h,i)perylene	ND	U	0.020	0.0029	1	06/07/13	06/15/13	KWG1305500	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
Fluorene-d10	89	46-114	06/15/13	Acceptable
Fluoranthene-d10	96	51-121	06/15/13	Acceptable
Terphenyl-d14	83	58-140	06/15/13	Acceptable

Comments:

ALS Group USA, Corp. dba ALS Environmental

Analytical Results

Client:	JH Baxter & Company	**Service Request:**	K1305362
Project:	J.H. Baxter-Arlington	**Date Collected:**	06/03/2013
Sample Matrix:	Water	**Date Received:**	06/06/2013

Polynuclear Aromatic Hydrocarbons

Sample Name:	MW-3	**Units:**	ug/L
Lab Code:	K1305362-020	**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	**0.021**		0.020	0.0038	1	06/07/13	06/15/13	KWG1305500	
2-Methylnaphthalene	**0.0025**	J	0.020	0.0023	1	06/07/13	06/15/13	KWG1305500	
Acenaphthylene	ND	U	0.020	0.0034	1	06/07/13	06/15/13	KWG1305500	
Acenaphthene	ND	U	0.020	0.0044	1	06/07/13	06/15/13	KWG1305500	
Fluorene	ND	U	0.020	0.0038	1	06/07/13	06/15/13	KWG1305500	
Phenanthrene	ND	U	0.020	0.0050	1	06/07/13	06/15/13	KWG1305500	
Anthracene	**0.0094**	J	0.020	0.0036	1	06/07/13	06/15/13	KWG1305500	
Fluoranthene	ND	U	0.020	0.010	1	06/07/13	06/15/13	KWG1305500	
Pyrene	ND	U	0.020	0.0053	1	06/07/13	06/15/13	KWG1305500	
Benz(a)anthracene	ND	U	0.020	0.0026	1	06/07/13	06/15/13	KWG1305500	
Chrysene	ND	U	0.020	0.0034	1	06/07/13	06/15/13	KWG1305500	
Benzo(b)fluoranthene	ND	U	0.020	0.0041	1	06/07/13	06/15/13	KWG1305500	
Benzo(k)fluoranthene	ND	U	0.020	0.0030	1	06/07/13	06/15/13	KWG1305500	
Benzo(a)pyrene	ND	U	0.020	0.0043	1	06/07/13	06/15/13	KWG1305500	
Indeno(1,2,3-cd)pyrene	ND	U	0.020	0.0026	1	06/07/13	06/15/13	KWG1305500	
Dibenz(a,h)anthracene	ND	U	0.020	0.0025	1	06/07/13	06/15/13	KWG1305500	
Benzo(g,h,i)perylene	ND	U	0.020	0.0029	1	06/07/13	06/15/13	KWG1305500	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
Fluorene-d10	91	46-114	06/15/13	Acceptable
Fluoranthene-d10	92	51-121	06/15/13	Acceptable
Terphenyl-d14	75	58-140	06/15/13	Acceptable

Comments:

ALS Group USA, Corp. dba ALS Environmental

Analytical Results

Client:	JH Baxter & Company	**Service Request:**	K1305362
Project:	J.H. Baxter-Arlington	**Date Collected:**	06/02/2013
Sample Matrix:	Water	**Date Received:**	06/06/2013

Polynuclear Aromatic Hydrocarbons

Sample Name:	MW-30	**Units:**	ug/L
Lab Code:	K1305362-024	**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	**0.022**		0.020	0.0038	1	06/07/13	06/15/13	KWG1305500	
2-Methylnaphthalene	**0.0047**	J	0.020	0.0023	1	06/07/13	06/15/13	KWG1305500	
Acenaphthylene	ND	U	0.020	0.0034	1	06/07/13	06/15/13	KWG1305500	
Acenaphthene	ND	U	0.020	0.0044	1	06/07/13	06/15/13	KWG1305500	
Fluorene	ND	U	0.020	0.0038	1	06/07/13	06/15/13	KWG1305500	
Phenanthrene	ND	U	0.020	0.0050	1	06/07/13	06/15/13	KWG1305500	
Anthracene	ND	U	0.020	0.0036	1	06/07/13	06/15/13	KWG1305500	
Fluoranthene	ND	U	0.020	0.010	1	06/07/13	06/15/13	KWG1305500	
Pyrene	ND	U	0.020	0.0053	1	06/07/13	06/15/13	KWG1305500	
Benz(a)anthracene	ND	U	0.020	0.0026	1	06/07/13	06/15/13	KWG1305500	
Chrysene	ND	U	0.020	0.0034	1	06/07/13	06/15/13	KWG1305500	
Benzo(b)fluoranthene	ND	U	0.020	0.0041	1	06/07/13	06/15/13	KWG1305500	
Benzo(k)fluoranthene	ND	U	0.020	0.0030	1	06/07/13	06/15/13	KWG1305500	
Benzo(a)pyrene	ND	U	0.020	0.0043	1	06/07/13	06/15/13	KWG1305500	
Indeno(1,2,3-cd)pyrene	ND	U	0.020	0.0026	1	06/07/13	06/15/13	KWG1305500	
Dibenz(a,h)anthracene	ND	U	0.020	0.0025	1	06/07/13	06/15/13	KWG1305500	
Benzo(g,h,i)perylene	ND	U	0.020	0.0029	1	06/07/13	06/15/13	KWG1305500	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
Fluorene-d10	98	46-114	06/15/13	Acceptable
Fluoranthene-d10	98	51-121	06/15/13	Acceptable
Terphenyl-d14	80	58-140	06/15/13	Acceptable

Comments:

ALS Group USA, Corp. dba ALS Environmental

Analytical Results

Client:	JH Baxter & Company	**Service Request:**	K1305362
Project:	J.H. Baxter-Arlington	**Date Collected:**	06/03/2013
Sample Matrix:	Water	**Date Received:**	06/06/2013

Polynuclear Aromatic Hydrocarbons

Sample Name:	MW-35	**Units:**	ug/L
Lab Code:	K1305362-029	**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	**0.018**	J	0.020	0.0038	1	06/07/13	06/15/13	KWG1305500	
2-Methylnaphthalene	ND	U	0.020	0.0023	1	06/07/13	06/15/13	KWG1305500	
Acenaphthylene	ND	U	0.020	0.0034	1	06/07/13	06/15/13	KWG1305500	
Acenaphthene	ND	U	0.020	0.0044	1	06/07/13	06/15/13	KWG1305500	
Fluorene	ND	U	0.020	0.0038	1	06/07/13	06/15/13	KWG1305500	
Phenanthrene	ND	U	0.020	0.0050	1	06/07/13	06/15/13	KWG1305500	
Anthracene	ND	U	0.020	0.0036	1	06/07/13	06/15/13	KWG1305500	
Fluoranthene	ND	U	0.020	0.010	1	06/07/13	06/15/13	KWG1305500	
Pyrene	ND	U	0.020	0.0053	1	06/07/13	06/15/13	KWG1305500	
Benz(a)anthracene	ND	U	0.020	0.0026	1	06/07/13	06/15/13	KWG1305500	
Chrysene	ND	U	0.020	0.0034	1	06/07/13	06/15/13	KWG1305500	
Benzo(b)fluoranthene	ND	U	0.020	0.0041	1	06/07/13	06/15/13	KWG1305500	
Benzo(k)fluoranthene	ND	U	0.020	0.0030	1	06/07/13	06/15/13	KWG1305500	
Benzo(a)pyrene	ND	U	0.020	0.0043	1	06/07/13	06/15/13	KWG1305500	
Indeno(1,2,3-cd)pyrene	ND	U	0.020	0.0026	1	06/07/13	06/15/13	KWG1305500	
Dibenz(a,h)anthracene	ND	U	0.020	0.0025	1	06/07/13	06/15/13	KWG1305500	
Benzo(g,h,i)perylene	ND	U	0.020	0.0029	1	06/07/13	06/15/13	KWG1305500	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
Fluorene-d10	99	46-114	06/15/13	Acceptable
Fluoranthene-d10	100	51-121	06/15/13	Acceptable
Terphenyl-d14	82	58-140	06/15/13	Acceptable

Comments:

ALS Group USA, Corp. dba ALS Environmental

Analytical Results

Client:	JH Baxter & Company	**Service Request:**	K1305362
Project:	J.H. Baxter-Arlington	**Date Collected:**	06/03/2013
Sample Matrix:	Water	**Date Received:**	06/06/2013

Polynuclear Aromatic Hydrocarbons

Sample Name:	MW-36	**Units:**	ug/L
Lab Code:	K1305362-030	**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	**0.024**		0.020	0.0038	1	06/07/13	06/15/13	KWG1305500	
2-Methylnaphthalene	ND	U	0.020	0.0023	1	06/07/13	06/15/13	KWG1305500	
Acenaphthylene	ND	U	0.020	0.0034	1	06/07/13	06/15/13	KWG1305500	
Acenaphthene	ND	U	0.020	0.0044	1	06/07/13	06/15/13	KWG1305500	
Fluorene	**0.0066**	J	0.020	0.0038	1	06/07/13	06/15/13	KWG1305500	
Phenanthrene	ND	U	0.020	0.0050	1	06/07/13	06/15/13	KWG1305500	
Anthracene	**0.014**	J	0.020	0.0036	1	06/07/13	06/15/13	KWG1305500	
Fluoranthene	ND	U	0.020	0.010	1	06/07/13	06/15/13	KWG1305500	
Pyrene	ND	U	0.020	0.0053	1	06/07/13	06/15/13	KWG1305500	
Benz(a)anthracene	ND	U	0.020	0.0026	1	06/07/13	06/15/13	KWG1305500	
Chrysene	ND	U	0.020	0.0034	1	06/07/13	06/15/13	KWG1305500	
Benzo(b)fluoranthene	ND	U	0.020	0.0041	1	06/07/13	06/15/13	KWG1305500	
Benzo(k)fluoranthene	ND	U	0.020	0.0030	1	06/07/13	06/15/13	KWG1305500	
Benzo(a)pyrene	ND	U	0.020	0.0043	1	06/07/13	06/15/13	KWG1305500	
Indeno(1,2,3-cd)pyrene	ND	U	0.020	0.0026	1	06/07/13	06/15/13	KWG1305500	
Dibenz(a,h)anthracene	ND	U	0.020	0.0025	1	06/07/13	06/15/13	KWG1305500	
Benzo(g,h,i)perylene	ND	U	0.020	0.0029	1	06/07/13	06/15/13	KWG1305500	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
Fluorene-d10	96	46-114	06/15/13	Acceptable
Fluoranthene-d10	95	51-121	06/15/13	Acceptable
Terphenyl-d14	79	58-140	06/15/13	Acceptable

Comments:

ALS Group USA, Corp. dba ALS Environmental

Analytical Results

Client:	JH Baxter & Company	**Service Request:**	K1305362
Project:	J.H. Baxter-Arlington	**Date Collected:**	06/02/2013
Sample Matrix:	Water	**Date Received:**	06/06/2013

Polynuclear Aromatic Hydrocarbons

Sample Name:	MW-37	**Units:**	ug/L
Lab Code:	K1305362-031	**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	**0.018**	J	0.020	0.0038	1	06/07/13	06/15/13	KWG1305500	
2-Methylnaphthalene	ND	U	0.020	0.0023	1	06/07/13	06/15/13	KWG1305500	
Acenaphthylene	ND	U	0.020	0.0034	1	06/07/13	06/15/13	KWG1305500	
Acenaphthene	ND	U	0.020	0.0044	1	06/07/13	06/15/13	KWG1305500	
Fluorene	ND	U	0.020	0.0038	1	06/07/13	06/15/13	KWG1305500	
Phenanthrene	ND	U	0.020	0.0050	1	06/07/13	06/15/13	KWG1305500	
Anthracene	**0.0077**	J	0.020	0.0036	1	06/07/13	06/15/13	KWG1305500	
Fluoranthene	ND	U	0.020	0.010	1	06/07/13	06/15/13	KWG1305500	
Pyrene	ND	U	0.020	0.0053	1	06/07/13	06/15/13	KWG1305500	
Benz(a)anthracene	ND	U	0.020	0.0026	1	06/07/13	06/15/13	KWG1305500	
Chrysene	ND	U	0.020	0.0034	1	06/07/13	06/15/13	KWG1305500	
Benzo(b)fluoranthene	ND	U	0.020	0.0041	1	06/07/13	06/15/13	KWG1305500	
Benzo(k)fluoranthene	ND	U	0.020	0.0030	1	06/07/13	06/15/13	KWG1305500	
Benzo(a)pyrene	ND	U	0.020	0.0043	1	06/07/13	06/15/13	KWG1305500	
Indeno(1,2,3-cd)pyrene	ND	U	0.020	0.0026	1	06/07/13	06/15/13	KWG1305500	
Dibenz(a,h)anthracene	ND	U	0.020	0.0025	1	06/07/13	06/15/13	KWG1305500	
Benzo(g,h,i)perylene	ND	U	0.020	0.0029	1	06/07/13	06/15/13	KWG1305500	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
Fluorene-d10	93	46-114	06/15/13	Acceptable
Fluoranthene-d10	89	51-121	06/15/13	Acceptable
Terphenyl-d14	74	58-140	06/15/13	Acceptable

Comments:

ALS Group USA, Corp. dba ALS Environmental

Analytical Results

Client:	JH Baxter & Company	**Service Request:**	K1305362
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:	KWG1305500-5	**Basis:**	NA
Extraction Method:	EPA 3520C	**Level:**	Low
Analysis Method:	8270D SIM		

Analyte Name	Result	Q	MRL	MDL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Note
Naphthalene	**0.0055**	J	0.020	0.0038	1	06/07/13	06/11/13	KWG1305500	
2-Methylnaphthalene	**0.0041**	J	0.020	0.0023	1	06/07/13	06/11/13	KWG1305500	
Acenaphthylene	ND	U	0.020	0.0034	1	06/07/13	06/11/13	KWG1305500	
Acenaphthene	ND	U	0.020	0.0044	1	06/07/13	06/11/13	KWG1305500	
Fluorene	**0.0043**	J	0.020	0.0038	1	06/07/13	06/11/13	KWG1305500	
Phenanthrene	ND	U	0.020	0.0050	1	06/07/13	06/11/13	KWG1305500	
Anthracene	ND	U	0.020	0.0036	1	06/07/13	06/11/13	KWG1305500	
Fluoranthene	ND	U	0.020	0.010	1	06/07/13	06/11/13	KWG1305500	
Pyrene	ND	U	0.020	0.0053	1	06/07/13	06/11/13	KWG1305500	
Benz(a)anthracene	**0.0040**	J	0.020	0.0026	1	06/07/13	06/11/13	KWG1305500	
Chrysene	ND	U	0.020	0.0034	1	06/07/13	06/11/13	KWG1305500	
Benzo(b)fluoranthene	ND	U	0.020	0.0041	1	06/07/13	06/11/13	KWG1305500	
Benzo(k)fluoranthene	ND	U	0.020	0.0030	1	06/07/13	06/11/13	KWG1305500	
Benzo(a)pyrene	ND	U	0.020	0.0043	1	06/07/13	06/11/13	KWG1305500	
Indeno(1,2,3-cd)pyrene	**0.0043**	J	0.020	0.0026	1	06/07/13	06/11/13	KWG1305500	
Dibenz(a,h)anthracene	**0.0035**	J	0.020	0.0025	1	06/07/13	06/11/13	KWG1305500	
Benzo(g,h,i)perylene	**0.0070**	J	0.020	0.0029	1	06/07/13	06/11/13	KWG1305500	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
Fluorene-d10	92	46-114	06/11/13	Acceptable
Fluoranthene-d10	97	51-121	06/11/13	Acceptable
Terphenyl-d14	81	58-140	06/11/13	Acceptable

Comments:

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

Service Request: K1305362

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	K1305362-002	90	92	83
MW-16	K1305362-003	93	95	85
MW-17	K1305362-004	87	91	80
MW-18	K1305362-005	91	96	87
MW-2	K1305362-006	91	96	83
MW-41	K1305362-015	91	90	76
Field Blank Rinsate	K1305362-019	89	96	83
MW-3	K1305362-020	91	92	75
MW-30	K1305362-024	98	98	80
MW-35	K1305362-029	99	100	82
MW-36	K1305362-030	96	95	79
MW-37	K1305362-031	93	89	74
Method Blank	KWG1305500-5	92	97	81
Lab Control Sample	KWG1305500-3	92	99	75
Duplicate Lab Control Sample	KWG1305500-4	89	95	74

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.

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

Service Request: K1305362
Date Analyzed: 06/11/2013
Time Analyzed: 08:15

Internal Standard Area and RT Summary
Polynuclear Aromatic Hydrocarbons

File ID: J:\MS11\DATA\061113\0611F002.D
Instrument ID: MS11
Analysis Method: 8270D SIM

Lab Code: KWG1305649-2
Analysis Lot: KWG1305649

		Naphthalene-d8		Acenaphthene-d10		Phenanthrene-d10	
		Area	RT	Area	RT	Area	RT
	Results ==>	82,444	5.00	47,139	6.41	97,300	7.65
	Upper Limit ==>	164,888	5.50	94,278	6.91	194,600	8.15
	Lower Limit ==>	41,222	4.50	23,570	5.91	48,650	7.15
	ICAL Result ==>	86,829	5.01	48,957	6.42	100,720	7.65
Associated Analyses							
Method Blank	KWG1305500-5	74,029	5.00	42,655	6.41	89,696	7.65
Lab Control Sample	KWG1305500-3	76,320	5.00	43,580	6.41	90,057	7.64
Duplicate Lab Control Sample	KWG1305500-4	74,241	5.00	43,313	6.41	89,742	7.64

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

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

Service Request: K1305362
Date Analyzed: 06/11/2013
Time Analyzed: 08:15

Internal Standard Area and RT Summary
Polynuclear Aromatic Hydrocarbons

File ID: J:\MS11\DATA\061113\0611F002.D
Instrument ID: MS11
Analysis Method: 8270D SIM

Lab Code: KWG1305649-2
Analysis Lot: KWG1305649

		Chrysene-d12		Perylene-d12	
		Area	RT	Area	RT
	Results ==>	125,042	10.49	123,281	14.33
	Upper Limit ==>	250,084	10.99	246,562	14.83
	Lower Limit ==>	62,521	9.99	61,641	13.83
	ICAL Result ==>	126,514	10.49	115,879	14.33
Associated Analyses					
Method Blank	KWG1305500-5	104,848	10.48	100,046	14.33
Lab Control Sample	KWG1305500-3	112,850	10.48	106,321	14.33
Duplicate Lab Control Sample	KWG1305500-4	111,915	10.48	104,904	14.33

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: K1305362
Date Analyzed: 06/14/2013
Time Analyzed: 05:26

Internal Standard Area and RT Summary
Polynuclear Aromatic Hydrocarbons

File ID: J:\MS11\DATA\061413\0614F002.D
Instrument ID: MS11
Analysis Method: 8270D SIM

Lab Code: KWG1305798-2
Analysis Lot: KWG1305798

		Naphthalene-d8		Acenaphthene-d10		Phenanthrene-d10	
		Area	RT	Area	RT	Area	RT
	Results ==>	77,827	4.98	42,700	6.40	87,166	7.63
	Upper Limit ==>	155,654	5.48	85,400	6.90	174,332	8.13
	Lower Limit ==>	38,914	4.48	21,350	5.90	43,583	7.13
	ICAL Result ==>	86,829	5.01	48,957	6.42	100,720	7.65
Associated Analyses							
MW-15	K1305362-002	80,451	4.98	47,335	6.40	97,991	7.63
MW-16	K1305362-003	78,473	4.98	45,455	6.40	95,996	7.64
MW-17	K1305362-004	82,083	4.98	46,932	6.40	94,664	7.64
MW-18	K1305362-005	81,801	4.98	46,332	6.40	93,789	7.64
MW-2	K1305362-006	82,853	4.98	45,788	6.40	94,068	7.64

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

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

Service Request: K1305362
Date Analyzed: 06/14/2013
Time Analyzed: 05:26

Internal Standard Area and RT Summary
Polynuclear Aromatic Hydrocarbons

File ID: J:\MS11\DATA\061413\0614F002.D
Instrument ID: MS11
Analysis Method: 8270D SIM

Lab Code: KWG1305798-2
Analysis Lot: KWG1305798

		Chrysene-d12		Perylene-d12	
		Area	RT	Area	RT
	Results ==>	104,506	10.46	99,424	14.28
	Upper Limit ==>	209,012	10.96	198,848	14.78
	Lower Limit ==>	52,253	9.96	49,712	13.78
	ICAL Result ==>	126,514	10.49	115,879	14.33
Associated Analyses					
MW-15	K1305362-002	105,435	10.47	109,513	14.31
MW-16	K1305362-003	104,341	10.47	109,107	14.31
MW-17	K1305362-004	107,213	10.48	105,797	14.31
MW-18	K1305362-005	103,023	10.47	102,932	14.31
MW-2	K1305362-006	107,247	10.47	106,993	14.30

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: K1305362
Date Analyzed: 06/15/2013
Time Analyzed: 07:46

Internal Standard Area and RT Summary
Polynuclear Aromatic Hydrocarbons

File ID: J:\MS11\DATA\061513\0615F002.D
Instrument ID: MS11
Analysis Method: 8270D SIM

Lab Code: KWG1305807-2
Analysis Lot: KWG1305807

		Naphthalene-d8		Acenaphthene-d10		Phenanthrene-d10	
		Area	RT	Area	RT	Area	RT
	Results ==>	96,930	5.03	52,791	6.45	112,192	7.69
	Upper Limit ==>	193,860	5.53	105,582	6.95	224,384	8.19
	Lower Limit ==>	48,465	4.53	26,396	5.95	56,096	7.19
	ICAL Result ==>	86,829	5.01	48,957	6.42	100,720	7.65
Associated Analyses							
MW-37	K1305362-031	91,096	5.03	47,292	6.46	109,234	7.69
MW-36	K1305362-030	85,106	5.04	49,786	6.46	112,856	7.70
MW-35	K1305362-029	87,450	5.04	46,562	6.46	103,081	7.70
MW-30	K1305362-024	87,248	5.04	45,092	6.46	102,262	7.70
MW-3	K1305362-020	85,583	5.04	48,785	6.46	107,602	7.70
Field Blank Rinsate	K1305362-019	89,308	5.04	53,098	6.46	103,916	7.69
MW-41	K1305362-015	86,369	5.04	48,815	6.46	110,261	7.70

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

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

Service Request: K1305362
Date Analyzed: 06/15/2013
Time Analyzed: 07:46

Internal Standard Area and RT Summary
Polynuclear Aromatic Hydrocarbons

File ID: J:\MS11\DATA\061513\0615F002.D
Instrument ID: MS11
Analysis Method: 8270D SIM

Lab Code: KWG1305807-2
Analysis Lot: KWG1305807

		Chrysene-d12		Perylene-d12	
		Area	RT	Area	RT
	Results ==>	140,069	10.58	137,540	14.54
	Upper Limit ==>	280,138	11.08	275,080	15.04
	Lower Limit ==>	70,035	10.08	68,770	14.04
	ICAL Result ==>	126,514	10.49	115,879	14.33
Associated Analyses					
MW-37	K1305362-031	131,578	10.58	135,538	14.56
MW-36	K1305362-030	136,189	10.59	135,164	14.55
MW-35	K1305362-029	125,481	10.59	121,859	14.56
MW-30	K1305362-024	126,174	10.59	120,916	14.55
MW-3	K1305362-020	131,253	10.58	123,531	14.55
Field Blank Rinsate	K1305362-019	121,157	10.59	114,021	14.56
MW-41	K1305362-015	131,579	10.59	123,175	14.55

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: K1305362
Date Extracted: 06/07/2013
Date Analyzed: 06/11/2013

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: KWG1305500

	Lab Control Sample KWG1305500-3 Lab Control Spike			Duplicate Lab Control Sample KWG1305500-4 Duplicate Lab Control Spike					
Analyte Name	**Result**	**Spike Amount**	**%Rec**	**Result**	**Spike Amount**	**%Rec**	**%Rec Limits**	**RPD**	**RPD Limit**
Naphthalene	2.44	2.50	98	2.44	2.50	98	39-110	0	30
2-Methylnaphthalene	2.53	2.50	101	2.55	2.50	102	39-115	1	30
Acenaphthylene	2.55	2.50	102	2.55	2.50	102	44-115	0	30
Acenaphthene	2.51	2.50	101	2.51	2.50	100	44-113	0	30
Fluorene	2.60	2.50	104	2.64	2.50	106	48-118	2	30
Phenanthrene	2.54	2.50	102	2.53	2.50	101	47-120	0	30
Anthracene	2.68	2.50	107	2.74	2.50	109	44-117	2	30
Fluoranthene	2.81	2.50	112	2.87	2.50	115	48-128	2	30
Pyrene	2.60	2.50	104	2.60	2.50	104	42-133	0	30
Benz(a)anthracene	2.65	2.50	106	2.68	2.50	107	48-125	1	30
Chrysene	2.77	2.50	111	2.79	2.50	111	50-128	0	30
Benzo(b)fluoranthene	2.83	2.50	113	2.89	2.50	115	49-131	2	30
Benzo(k)fluoranthene	2.99	2.50	119	3.01	2.50	120	54-131	1	30
Benzo(a)pyrene	2.82	2.50	113	2.87	2.50	115	43-134	2	30
Indeno(1,2,3-cd)pyrene	2.98	2.50	119	3.01	2.50	120	45-133	1	30
Dibenz(a,h)anthracene	2.77	2.50	111	2.77	2.50	111	49-133	0	30
Benzo(g,h,i)perylene	2.68	2.50	107	2.70	2.50	108	51-124	1	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:**	K1305362
Project:	J.H. Baxter-Arlington	**Date Extracted:**	06/07/2013
Sample Matrix:	Water	**Date Analyzed:**	06/11/2013
		Time Analyzed:	10:02

Method Blank Summary
Polynuclear Aromatic Hydrocarbons

Sample Name:	Method Blank	**Instrument ID:**	MS11
Lab Code:	KWG1305500-5	**File ID:**	J:\MS11\DATA\061113\0611F006.D
Extraction Method:	EPA 3520C	**Level:**	Low
Analysis Method:	8270D SIM	**Extraction Lot:**	KWG1305500

This Method Blank applies to the following analyses:

Sample Name	Lab Code	File ID	Date Analyzed	Time Analyzed
Lab Control Sample	KWG1305500-3	J:\MS11\DATA\061113\0611F007.D	06/11/13	10:29
Duplicate Lab Control Sample	KWG1305500-4	J:\MS11\DATA\061113\0611F008.D	06/11/13	10:55
MW-15	K1305362-002	J:\MS11\DATA\061413\0614F021.D	06/14/13	13:49
MW-16	K1305362-003	J:\MS11\DATA\061413\0614F022.D	06/14/13	14:16
MW-17	K1305362-004	J:\MS11\DATA\061413\0614F023.D	06/14/13	14:42
MW-18	K1305362-005	J:\MS11\DATA\061413\0614F024.D	06/14/13	15:09
MW-2	K1305362-006	J:\MS11\DATA\061413\0614F025.D	06/14/13	15:35
MW-37	K1305362-031	J:\MS11\DATA\061513\0615F008.D	06/15/13	10:25
MW-36	K1305362-030	J:\MS11\DATA\061513\0615F009.D	06/15/13	10:52
MW-35	K1305362-029	J:\MS11\DATA\061513\0615F010.D	06/15/13	11:18
MW-30	K1305362-024	J:\MS11\DATA\061513\0615F011.D	06/15/13	11:44
MW-3	K1305362-020	J:\MS11\DATA\061513\0615F012.D	06/15/13	12:11
Field Blank Rinsate	K1305362-019	J:\MS11\DATA\061513\0615F013.D	06/15/13	12:37
MW-41	K1305362-015	J:\MS11\DATA\061513\0615F014.D	06/15/13	13:04

ALS Group USA, Corp. dba ALS Environmental

QA/QC Report

Client:	JH Baxter & Company	**Service Request:**	K1305362
Project:	J.H. Baxter-Arlington	**Date Extracted:**	06/07/2013
Sample Matrix:	Water	**Date Analyzed:**	06/11/2013
		Time Analyzed:	10:29

Lab Control Sample Summary
Polynuclear Aromatic Hydrocarbons

Sample Name:	Lab Control Sample	**Instrument ID:**	MS11
Lab Code:	KWG1305500-3	**File ID:**	J:\MS11\DATA\061113\0611F007.D
Extraction Method:	EPA 3520C	**Level:**	Low
Analysis Method:	8270D SIM	**Extraction Lot:**	KWG1305500

This Lab Control Sample applies to the following analyses:

Sample Name	Lab Code	File ID	Date Analyzed	Time Analyzed
Method Blank	KWG1305500-5	J:\MS11\DATA\061113\0611F006.D	06/11/13	10:02
MW-15	K1305362-002	J:\MS11\DATA\061413\0614F021.D	06/14/13	13:49
MW-16	K1305362-003	J:\MS11\DATA\061413\0614F022.D	06/14/13	14:16
MW-17	K1305362-004	J:\MS11\DATA\061413\0614F023.D	06/14/13	14:42
MW-18	K1305362-005	J:\MS11\DATA\061413\0614F024.D	06/14/13	15:09
MW-2	K1305362-006	J:\MS11\DATA\061413\0614F025.D	06/14/13	15:35
MW-37	K1305362-031	J:\MS11\DATA\061513\0615F008.D	06/15/13	10:25
MW-36	K1305362-030	J:\MS11\DATA\061513\0615F009.D	06/15/13	10:52
MW-35	K1305362-029	J:\MS11\DATA\061513\0615F010.D	06/15/13	11:18
MW-30	K1305362-024	J:\MS11\DATA\061513\0615F011.D	06/15/13	11:44
MW-3	K1305362-020	J:\MS11\DATA\061513\0615F012.D	06/15/13	12:11
Field Blank Rinsate	K1305362-019	J:\MS11\DATA\061513\0615F013.D	06/15/13	12:37
MW-41	K1305362-015	J:\MS11\DATA\061513\0615F014.D	06/15/13	13:04

ALS Group USA, Corp. dba ALS Environmental

QA/QC Results

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

Service Request: K1305362
Date Analyzed: 06/11/2013
Time Analyzed: 07:49

Tune Summary
Polynuclear Aromatic Hydrocarbons

File ID: J:\MS11\DATA\061113\0611F001.D
Instrument ID: MS11
Column:

Analysis Method: 8270D SIM
Analysis Lot: KWG1305649

Target Mass	Relative to Mass	Lower Limit%	Upper Limit%	Relative Abundance %	Raw Abundance	Result Pass/Fail
51	198	10	80	53.0	111728	PASS
68	69	0	2	0.0	0	PASS
69	198	0	100	47.4	99872	PASS
70	69	0	2	0.8	842	PASS
127	198	10	80	49.0	103176	PASS
197	198	0	2	0.0	0	PASS
198	442	30	100	47.4	210624	PASS
199	198	5	9	7.0	14753	PASS
275	198	10	60	37.1	78072	PASS
365	442	1	50	3.2	14283	PASS
441	443	0	100	73.1	63776	PASS
442	442	100	100	100.0	444736	PASS
443	442	15	24	19.6	87224	PASS

Sample Name	Lab Code	File ID	Date Analyzed	Time Analyzed	Q
Continuing Calibration Verification	KWG1305649-2	J:\MS11\DATA\061113\0611F002.D	06/11/2013	08:15	
Method Blank	KWG1305500-5	J:\MS11\DATA\061113\0611F006.D	06/11/2013	10:02	
Lab Control Sample	KWG1305500-3	J:\MS11\DATA\061113\0611F007.D	06/11/2013	10:29	
Duplicate Lab Control Sample	KWG1305500-4	J:\MS11\DATA\061113\0611F008.D	06/11/2013	10:55	

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: K1305362
Date Analyzed: 06/14/2013
Time Analyzed: 05:00

Tune Summary
Polynuclear Aromatic Hydrocarbons

File ID: J:\MS11\DATA\061413\0614F001.D
Instrument ID: MS11
Column:

Analysis Method: 8270D SIM
Analysis Lot: KWG1305798

Target Mass	Relative to Mass	Lower Limit%	Upper Limit%	Relative Abundance %	Raw Abundance	Result Pass/Fail
51	198	10	80	69.1	139392	PASS
68	69	0	2	0.0	0	PASS
69	198	0	100	57.7	116336	PASS
70	69	0	2	0.7	858	PASS
127	198	10	80	55.6	112112	PASS
197	198	0	2	0.0	0	PASS
198	442	30	100	63.3	201600	PASS
199	198	5	9	6.3	12746	PASS
275	198	10	60	33.1	66696	PASS
365	442	1	50	3.7	11643	PASS
441	443	0	100	72.5	46360	PASS
442	442	100	100	100.0	318272	PASS
443	442	15	24	20.1	63952	PASS

Sample Name	Lab Code	File ID	Date Analyzed	Time Analyzed	Q
Continuing Calibration Verification	KWG1305798-2	J:\MS11\DATA\061413\0614F002.D	06/14/2013	05:26	
MW-15	K1305362-002	J:\MS11\DATA\061413\0614F021.D	06/14/2013	13:49	
MW-16	K1305362-003	J:\MS11\DATA\061413\0614F022.D	06/14/2013	14:16	
MW-17	K1305362-004	J:\MS11\DATA\061413\0614F023.D	06/14/2013	14:42	
MW-18	K1305362-005	J:\MS11\DATA\061413\0614F024.D	06/14/2013	15:09	
MW-2	K1305362-006	J:\MS11\DATA\061413\0614F025.D	06/14/2013	15:35	

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: K1305362
Date Analyzed: 06/15/2013
Time Analyzed: 07:20

Tune Summary
Polynuclear Aromatic Hydrocarbons

File ID: J:\MS11\DATA\061513\0615F001.D
Instrument ID: MS11
Column:

Analysis Method: 8270D SIM
Analysis Lot: KWG1305807

Target Mass	Relative to Mass	Lower Limit%	Upper Limit%	Relative Abundance %	Raw Abundance	Result Pass/Fail
51	198	10	80	49.5	91128	PASS
68	69	0	2	0.0	0	PASS
69	198	0	100	46.4	85400	PASS
70	69	0	2	0.0	0	PASS
127	198	10	80	47.2	86872	PASS
197	198	0	2	0.0	0	PASS
198	442	30	100	43.4	184064	PASS
199	198	5	9	7.2	13194	PASS
275	198	10	60	39.3	72296	PASS
365	442	1	50	2.9	12419	PASS
441	443	0	100	74.4	61440	PASS
442	442	100	100	100.0	424064	PASS
443	442	15	24	19.5	82624	PASS

Sample Name	Lab Code	File ID	Date Analyzed	Time Analyzed	Q
Continuing Calibration Verification	KWG1305807-2	J:\MS11\DATA\061513\0615F002.D	06/15/2013	07:46	
MW-37	K1305362-031	J:\MS11\DATA\061513\0615F008.D	06/15/2013	10:25	
MW-36	K1305362-030	J:\MS11\DATA\061513\0615F009.D	06/15/2013	10:52	
MW-35	K1305362-029	J:\MS11\DATA\061513\0615F010.D	06/15/2013	11:18	
MW-30	K1305362-024	J:\MS11\DATA\061513\0615F011.D	06/15/2013	11:44	
MW-3	K1305362-020	J:\MS11\DATA\061513\0615F012.D	06/15/2013	12:11	
Field Blank Rinsate	K1305362-019	J:\MS11\DATA\061513\0615F013.D	06/15/2013	12:37	
MW-41	K1305362-015	J:\MS11\DATA\061513\0615F014.D	06/15/2013	13:04	

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: K1305362
Calibration Date: 05/30/2013

Initial Calibration Summary
Polynuclear Aromatic Hydrocarbons

Calibration ID: CAL12500
Instrument ID: MS11

Column: MS

Level ID	File ID	Level ID	File ID
A	J:\MS11\DATA\053013\0530F007.D	G	J:\MS11\DATA\053013\0530F013.D
B	J:\MS11\DATA\053013\0530F008.D	H	J:\MS11\DATA\053013\0530F014.D
C	J:\MS11\DATA\053013\0530F009.D	I	J:\MS11\DATA\053013\0530F015.D
D	J:\MS11\DATA\053013\0530F010.D	J	J:\MS11\DATA\053013\0530F016.D
E	J:\MS11\DATA\053013\0530F011.D		
F	J:\MS11\DATA\053013\0530F012.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	1.05	B	4.0	1.03	C	8.0	1.04	D	20	0.989	E	100	0.938
	F	200	0.953	G	400	0.935	H	1000	0.860	I	1600	0.852	J	2000	0.826
2-Methylnaphthalene	A	2.0	0.725	B	4.0	0.659	C	8.0	0.689	D	20	0.688	E	100	0.661
	F	200	0.672	G	400	0.664	H	1000	0.620	I	1600	0.630	J	2000	0.608
Acenaphthylene	A	2.0	1.81	B	4.0	1.80	C	8.0	1.78	D	20	1.79	E	100	1.76
	F	200	1.80	G	400	1.82	H	1000	1.69	I	1600	1.68	J	2000	1.63
Acenaphthene	A	2.0	1.06	B	4.0	1.09	C	8.0	1.07	D	20	1.06	E	100	1.04
	F	200	1.04	G	400	1.04	H	1000	0.992	I	1600	0.995	J	2000	0.967
Fluorene	A	2.0	1.33	B	4.0	1.16	C	8.0	1.38	D	20	1.31	E	100	1.33
	F	200	1.34	G	400	1.30	H	1000	1.22	I	1600	1.23	J	2000	1.18
Phenanthrene	A	2.0	1.01	B	4.0	1.08	C	8.0	1.04	D	20	0.967	E	100	0.958
	F	200	0.974	G	400	0.970	H	1000	0.882	I	1600	0.864	J	2000	0.820
Anthracene	A	2.0	0.876	B	4.0	0.921	C	8.0	0.948	D	20	0.930	E	100	0.918
	F	200	0.951	G	400	0.969	H	1000	0.884	I	1600	0.875	J	2000	0.841
Fluoranthene	A	2.0	1.12	B	4.0	1.10	C	8.0	1.08	D	20	1.04	E	100	1.12
	F	200	1.15	G	400	1.15	H	1000	1.01	I	1600	0.985	J	2000	0.943
Pyrene	A	2.0	1.09	B	4.0	1.01	C	8.0	1.06	D	20	1.01	E	100	0.985
	F	200	0.976	G	400	0.972	H	1000	0.911	I	1600	0.902	J	2000	0.868
Benz(a)anthracene	A	2.0	1.08	B	4.0	0.994	C	8.0	0.947	D	20	0.879	E	100	0.836
	F	200	0.856	G	400	0.890	H	1000	0.884	I	1600	0.898	J	2000	0.870
Chrysene	A	2.0	0.856	B	4.0	0.896	C	8.0	0.895	D	20	0.858	E	100	0.833
	F	200	0.856	G	400	0.865	H	1000	0.849	I	1600	0.835	J	2000	0.819
Benzo(b)fluoranthene	A	2.0	0.960	B	4.0	0.938	C	8.0	0.924	D	20	0.930	E	100	0.952
	F	200	1.01	G	400	1.03	H	1000	1.00	I	1600	0.980	J	2000	0.946
Benzo(k)fluoranthene	A	2.0	0.936	B	4.0	0.921	C	8.0	0.912	D	20	0.887	E	100	0.917
	F	200	0.971	G	400	0.997	H	1000	0.951	I	1600	0.945	J	2000	0.895
Benzo(a)pyrene	A	2.0	0.872	B	4.0	0.879	C	8.0	0.783	D	20	0.776	E	100	0.796
	F	200	0.834	G	400	0.874	H	1000	0.863	I	1600	0.861	J	2000	0.838

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: K1305362
Calibration Date: 05/30/2013

Initial Calibration Summary
Polynuclear Aromatic Hydrocarbons

Calibration ID: CAL12500
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	0.755	B	4.0	0.759	C	8.0	0.656	D	20	0.617	E	100	0.671
	F	200	0.716	G	400	0.719	H	1000	0.701	I	1600	0.699	J	2000	0.668
Dibenz(a,h)anthracene	A	2.0	0.742	B	4.0	0.905	C	8.0	0.775	D	20	0.707	E	100	0.781
	F	200	0.803	G	400	0.806	H	1000	0.800	I	1600	0.790	J	2000	0.780
Benzo(g,h,i)perylene	A	2.0	0.922	B	4.0	0.952	C	8.0	0.960	D	20	0.907	E	100	0.918
	F	200	0.927	G	400	0.906	H	1000	0.844	I	1600	0.820	J	2000	0.790
Fluorene-d10	A	2.0	1.18	B	4.0	1.02	C	8.0	1.18	D	20	1.13	E	100	1.14
	F	200	1.17	G	400	1.15	H	1000	1.11	I	1600	1.11	J	2000	1.07
Fluoranthene-d10	A	2.0	1.01	B	4.0	0.996	C	8.0	1.01	D	20	0.975	E	100	1.01
	F	200	1.09	G	400	1.10	H	1000	1.03	I	1600	1.02	J	2000	0.978
Terphenyl-d14	A	2.0	0.781	B	4.0	0.822	C	8.0	0.813	D	20	0.816	E	100	0.764
	F	200	0.770	G	400	0.770	H	1000	0.739	I	1600	0.736	J	2000	0.715

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

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

Service Request: K1305362
Calibration Date: 05/30/2013

Initial Calibration Summary
Polynuclear Aromatic Hydrocarbons

Calibration ID: CAL12500
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	8.7		≤20	0.948		0.70
2-Methylnaphthalene	MS	AverageRF	% RSD	5.3		≤20	0.662		0.40
Acenaphthylene	MS	AverageRF	% RSD	3.7		≤20	1.76		0.90
Acenaphthene	MS	AverageRF	% RSD	3.7		≤20	1.03		0.90
Fluorene	MS	AverageRF	% RSD	5.9		≤20	1.28		0.90
Phenanthrene	MS	AverageRF	% RSD	8.5		≤20	0.957		0.70
Anthracene	MS	AverageRF	% RSD	4.5		≤20	0.911		0.70
Fluoranthene	MS	AverageRF	% RSD	6.8		≤20	1.07		0.60
Pyrene	MS	AverageRF	% RSD	7.2		≤20	0.979		0.60
Benz(a)anthracene	MS	AverageRF	% RSD	8.1		≤20	0.913		0.80
Chrysene	MS	AverageRF	% RSD	2.9		≤20	0.856		0.70
Benzo(b)fluoranthene	MS	AverageRF	% RSD	3.8		≤20	0.967		0.70
Benzo(k)fluoranthene	MS	AverageRF	% RSD	3.6		≤20	0.933		0.70
Benzo(a)pyrene	MS	AverageRF	% RSD	4.7		≤20	0.838		0.70
Indeno(1,2,3-cd)pyrene	MS	AverageRF	% RSD	6.4		≤20	0.696		0.50
Dibenz(a,h)anthracene	MS	AverageRF	% RSD	6.5		≤20	0.789		0.40
Benzo(g,h,i)perylene	MS	AverageRF	% RSD	6.4		≤20	0.895		0.50
Fluorene-d10	SURR	AverageRF	% RSD	4.5		≤20	1.13		0.01
Fluoranthene-d10	SURR	AverageRF	% RSD	4.2		≤20	1.02		0.01
Terphenyl-d14	SURR	AverageRF	% RSD	4.7		≤20	0.773		0.01

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: K1305362
Calibration Date: 05/30/2013
Date Analyzed: 05/30/2013

Second Source Calibration Verification
Polynuclear Aromatic Hydrocarbons

Calibration Type: Internal Standard
Analysis Method: 8270D SIM

Calibration ID: CAL12500
Units: ng/ml

File ID: J:\MS11\DATA\053013\0530F018.D

Analyte Name	Expected	Result	Average RF	SSV RF	%D	%Drift	Criteria	Curve Fit
Naphthalene	400	390	0.948	0.924	-3	NA	± 30 %	AverageRF
2-Methylnaphthalene	400	380	0.662	0.633	-4	NA	± 30 %	AverageRF
Acenaphthylene	400	400	1.76	1.75	0	NA	± 30 %	AverageRF
Acenaphthene	400	390	1.03	1.00	-3	NA	± 30 %	AverageRF
Fluorene	400	410	1.28	1.31	3	NA	± 30 %	AverageRF
Phenanthrene	400	400	0.957	0.945	-1	NA	± 30 %	AverageRF
Anthracene	400	400	0.911	0.917	1	NA	± 30 %	AverageRF
Fluoranthene	400	420	1.07	1.13	5	NA	± 30 %	AverageRF
Pyrene	400	380	0.979	0.936	-4	NA	± 30 %	AverageRF
Benz(a)anthracene	400	380	0.913	0.864	-5	NA	± 30 %	AverageRF
Chrysene	400	400	0.856	0.846	-1	NA	± 30 %	AverageRF
Benzo(b)fluoranthene	400	420	0.967	1.02	6	NA	± 30 %	AverageRF
Benzo(k)fluoranthene	400	430	0.933	0.997	7	NA	± 30 %	AverageRF
Benzo(a)pyrene	400	410	0.838	0.855	2	NA	± 30 %	AverageRF
Indeno(1,2,3-cd)pyrene	400	390	0.696	0.674	-3	NA	± 30 %	AverageRF
Dibenz(a,h)anthracene	400	390	0.789	0.773	-2	NA	± 30 %	AverageRF
Benzo(g,h,i)perylene	400	390	0.895	0.873	-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: K1305362
Date Analyzed: 06/11/2013

Continuing Calibration Verification Summary
Polynuclear Aromatic Hydrocarbons

Calibration Type: Internal Standard
Analysis Method: 8270D SIM

Calibration Date: 05/30/2013
Calibration ID: CAL12500
Analysis Lot: KWG1305649
Units: ng/ml

File ID: J:\MS11\DATA\061113\0611F002.D

Analyte Name	Expected	Result	Min RF	Average RF	CCV RF	%D	%Drift	Criteria	Curve Fit
Naphthalene	400	400	0.70	0.948	0.953	0	NA	± 20 %	AverageRF
2-Methylnaphthalene	400	420	0.40	0.662	0.697	5	NA	± 20 %	AverageRF
Acenaphthylene	400	420	0.90	1.76	1.85	5	NA	± 20 %	AverageRF
Acenaphthene	400	420	0.90	1.03	1.07	4	NA	± 20 %	AverageRF
Fluorene	400	420	0.90	1.28	1.34	5	NA	± 20 %	AverageRF
Phenanthrene	400	390	0.70	0.957	0.941	-2	NA	± 20 %	AverageRF
Anthracene	400	420	0.70	0.911	0.965	6	NA	± 20 %	AverageRF
Fluoranthene	400	430	0.60	1.07	1.16	8	NA	± 20 %	AverageRF
Pyrene	400	390	0.60	0.979	0.962	-2	NA	± 20 %	AverageRF
Benz(a)anthracene	400	410	0.80	0.913	0.943	3	NA	± 20 %	AverageRF
Chrysene	400	430	0.70	0.856	0.912	7	NA	± 20 %	AverageRF
Benzo(b)fluoranthene	400	440	0.70	0.967	1.05	9	NA	± 20 %	AverageRF
Benzo(k)fluoranthene	400	440	0.70	0.933	1.02	9	NA	± 20 %	AverageRF
Benzo(a)pyrene	400	440	0.70	0.838	0.914	9	NA	± 20 %	AverageRF
Indeno(1,2,3-cd)pyrene	400	480	0.50	0.696	0.835	20	NA	± 20 %	AverageRF
Dibenz(a,h)anthracene	400	450	0.40	0.789	0.884	12	NA	± 20 %	AverageRF
Benzo(g,h,i)perylene	400	430	0.50	0.895	0.956	7	NA	± 20 %	AverageRF
Fluorene-d10	400	410	0.01	1.13	1.16	3	NA	± 20 %	AverageRF
Fluoranthene-d10	400	440	0.01	1.02	1.12	9	NA	± 20 %	AverageRF
Terphenyl-d14	400	390	0.01	0.773	0.760	-2	NA	± 20 %	AverageRF

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

† SPCC Compound **‡ CCC Compound**

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

Service Request: K1305362
Date Analyzed: 06/14/2013

Continuing Calibration Verification Summary
Polynuclear Aromatic Hydrocarbons

Calibration Type: Internal Standard
Analysis Method: 8270D SIM

Calibration Date: 05/30/2013
Calibration ID: CAL12500
Analysis Lot: KWG1305798
Units: ng/ml

File ID: J:\MS11\DATA\061413\0614F002.D

Analyte Name	Expected	Result	Min RF	Average RF	CCV RF	%D	%Drift	Criteria	Curve Fit
Naphthalene	400	400	0.70	0.948	0.938	-1	NA	± 20 %	AverageRF
2-Methylnaphthalene	400	400	0.40	0.662	0.667	1	NA	± 20 %	AverageRF
Acenaphthylene	400	410	0.90	1.76	1.78	2	NA	± 20 %	AverageRF
Acenaphthene	400	410	0.90	1.03	1.05	2	NA	± 20 %	AverageRF
Fluorene	400	410	0.90	1.28	1.31	3	NA	± 20 %	AverageRF
Phenanthrene	400	390	0.70	0.957	0.930	-3	NA	± 20 %	AverageRF
Anthracene	400	410	0.70	0.911	0.927	2	NA	± 20 %	AverageRF
Fluoranthene	400	420	0.60	1.07	1.14	6	NA	± 20 %	AverageRF
Pyrene	400	420	0.60	0.979	1.03	5	NA	± 20 %	AverageRF
Benz(a)anthracene	400	390	0.80	0.913	0.901	-1	NA	± 20 %	AverageRF
Chrysene	400	420	0.70	0.856	0.896	5	NA	± 20 %	AverageRF
Benzo(b)fluoranthene	400	420	0.70	0.967	1.00	4	NA	± 20 %	AverageRF
Benzo(k)fluoranthene	400	430	0.70	0.933	1.00	7	NA	± 20 %	AverageRF
Benzo(a)pyrene	400	390	0.70	0.838	0.817	-2	NA	± 20 %	AverageRF
Indeno(1,2,3-cd)pyrene	400	390	0.50	0.696	0.672	-3	NA	± 20 %	AverageRF
Dibenz(a,h)anthracene	400	370	0.40	0.789	0.722	-8	NA	± 20 %	AverageRF
Benzo(g,h,i)perylene	400	460	0.50	0.895	1.03	15	NA	± 20 %	AverageRF
Fluorene-d10	400	410	0.01	1.13	1.15	2	NA	± 20 %	AverageRF
Fluoranthene-d10	400	430	0.01	1.02	1.11	8	NA	± 20 %	AverageRF
Terphenyl-d14	400	420	0.01	0.773	0.812	5	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: K1305362
Date Analyzed: 06/15/2013

Continuing Calibration Verification Summary
Polynuclear Aromatic Hydrocarbons

Calibration Type: Internal Standard
Analysis Method: 8270D SIM

Calibration Date: 05/30/2013
Calibration ID: CAL12500
Analysis Lot: KWG1305807
Units: ng/ml

File ID: J:\MS11\DATA\061513\0615F002.D

Analyte Name	Expected	Result	Min RF	Average RF	CCV RF	%D	%Drift	Criteria	Curve Fit
Naphthalene	400	410	0.70	0.948	0.969	2	NA	± 20 %	AverageRF
2-Methylnaphthalene	400	410	0.40	0.662	0.677	2	NA	± 20 %	AverageRF
Acenaphthylene	400	420	0.90	1.76	1.83	4	NA	± 20 %	AverageRF
Acenaphthene	400	420	0.90	1.03	1.09	6	NA	± 20 %	AverageRF
Fluorene	400	430	0.90	1.28	1.38	8	NA	± 20 %	AverageRF
Phenanthrene	400	410	0.70	0.957	0.970	1	NA	± 20 %	AverageRF
Anthracene	400	410	0.70	0.911	0.932	2	NA	± 20 %	AverageRF
Fluoranthene	400	430	0.60	1.07	1.15	7	NA	± 20 %	AverageRF
Pyrene	400	400	0.60	0.979	0.985	1	NA	± 20 %	AverageRF
Benz(a)anthracene	400	420	0.80	0.913	0.950	4	NA	± 20 %	AverageRF
Chrysene	400	430	0.70	0.856	0.917	7	NA	± 20 %	AverageRF
Benzo(b)fluoranthene	400	440	0.70	0.967	1.06	9	NA	± 20 %	AverageRF
Benzo(k)fluoranthene	400	450	0.70	0.933	1.06	13	NA	± 20 %	AverageRF
Benzo(a)pyrene	400	440	0.70	0.838	0.926	11	NA	± 20 %	AverageRF
Indeno(1,2,3-cd)pyrene	400	460	0.50	0.696	0.801	15	NA	± 20 %	AverageRF
Dibenz(a,h)anthracene	400	450	0.40	0.789	0.882	12	NA	± 20 %	AverageRF
Benzo(g,h,i)perylene	400	420	0.50	0.895	0.949	6	NA	± 20 %	AverageRF
Fluorene-d10	400	410	0.01	1.13	1.16	3	NA	± 20 %	AverageRF
Fluoranthene-d10	400	430	0.01	1.02	1.09	6	NA	± 20 %	AverageRF
Terphenyl-d14	400	400	0.01	0.773	0.781	1	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: K1305362

Analysis Run Log
Polynuclear Aromatic Hydrocarbons

Analysis Method: 8270D SIM

Analysis Lot: KWG1305649
Instrument ID: MS11

File ID	Sample Name	Lab Code	Date Analysis Started	Start Time	Q	Date Analysis Finished	Finish Time
0611F001.D	GC/MS Tuning - Decafluorotriphenylph	KWG1305649-1	6/11/2013	07:49		6/11/2013	08:08
0611F002.D	Continuing Calibration Verification	KWG1305649-2	6/11/2013	08:15		6/11/2013	08:34
0611F003.D	ZZZZZZ	ZZZZZZ	6/11/2013	08:43		6/11/2013	09:03
0611F004.D	ZZZZZZ	ZZZZZZ	6/11/2013	09:09		6/11/2013	09:29
0611F005.D	ZZZZZZ	ZZZZZZ	6/11/2013	09:36		6/11/2013	09:56
0611F006.D	Method Blank	KWG1305500-5	6/11/2013	10:02		6/11/2013	10:22
0611F007.D	Lab Control Sample	KWG1305500-3	6/11/2013	10:29		6/11/2013	10:49
0611F008.D	Duplicate Lab Control Sample	KWG1305500-4	6/11/2013	10:55		6/11/2013	11:15
0611F009.D	ZZZZZZ	ZZZZZZ	6/11/2013	11:22		6/11/2013	11:42
0611F010.D	ZZZZZZ	ZZZZZZ	6/11/2013	11:48		6/11/2013	12:08
0611F011.D	ZZZZZZ	ZZZZZZ	6/11/2013	12:15		6/11/2013	12:35
0611F012.D	ZZZZZZ	ZZZZZZ	6/11/2013	12:41		6/11/2013	13:01
0611F013.D	ZZZZZZ	ZZZZZZ	6/11/2013	13:08		6/11/2013	13:28
0611F014.D	ZZZZZZ	ZZZZZZ	6/11/2013	13:34		6/11/2013	13:54
0611F015.D	ZZZZZZ	ZZZZZZ	6/11/2013	14:01		6/11/2013	14:20
0611F016.D	ZZZZZZ	ZZZZZZ	6/11/2013	14:27		6/11/2013	14:47
0611F017.D	ZZZZZZ	ZZZZZZ	6/11/2013	14:54		6/11/2013	15:13
0611F018.D	ZZZZZZ	ZZZZZZ	6/11/2013	15:21		6/11/2013	15:40
0611F019.D	ZZZZZZ	ZZZZZZ	6/11/2013	15:47		6/11/2013	16:07
0611F020.D	ZZZZZZ	ZZZZZZ	6/11/2013	16:14		6/11/2013	16:34
0611F021.D	ZZZZZZ	ZZZZZZ	6/11/2013	16:40		6/11/2013	17:00
0611F022.D	ZZZZZZ	ZZZZZZ	6/11/2013	17:07		6/11/2013	17:27
0611F023.D	ZZZZZZ	ZZZZZZ	6/11/2013	17:33		6/11/2013	17:53
0611F024.D	ZZZZZZ	ZZZZZZ	6/11/2013	18:00		6/11/2013	18:20
0611F025.D	ZZZZZZ	ZZZZZZ	6/11/2013	18:26		6/11/2013	18:46
0611F026.D	ZZZZZZ	ZZZZZZ	6/11/2013	18:53		6/11/2013	19:13
0611F027.D	ZZZZZZ	ZZZZZZ	6/11/2013	19:19		6/11/2013	19:39
0611F028.D	ZZZZZZ	ZZZZZZ	6/11/2013	19:46		6/11/2013	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: K1305362

Analysis Run Log
Polynuclear Aromatic Hydrocarbons

Analysis Method: 8270D SIM

Analysis Lot: KWG1305798
Instrument ID: MS11

File ID	Sample Name	Lab Code	Date Analysis Started	Start Time	Q	Date Analysis Finished	Finish Time
0614F001.D	GC/MS Tuning - Decafluorotriphenylph	KWG1305798-1	6/14/2013	05:00		6/14/2013	05:19
0614F002.D	Continuing Calibration Verification	KWG1305798-2	6/14/2013	05:26		6/14/2013	05:46
0614F004.D	ZZZZZZ	ZZZZZZ	6/14/2013	06:19		6/14/2013	06:39
0614F005.D	ZZZZZZ	ZZZZZZ	6/14/2013	06:45		6/14/2013	07:05
0614F006.D	ZZZZZZ	ZZZZZZ	6/14/2013	07:12		6/14/2013	07:32
0614F007.D	ZZZZZZ	ZZZZZZ	6/14/2013	07:39		6/14/2013	07:58
0614F010.D	ZZZZZZ	ZZZZZZ	6/14/2013	08:58		6/14/2013	09:18
0614F011.D	ZZZZZZ	ZZZZZZ	6/14/2013	09:25		6/14/2013	09:45
0614F012.D	ZZZZZZ	ZZZZZZ	6/14/2013	09:51		6/14/2013	10:11
0614F013.D	ZZZZZZ	ZZZZZZ	6/14/2013	10:18		6/14/2013	10:38
0614F014.D	ZZZZZZ	ZZZZZZ	6/14/2013	10:44		6/14/2013	11:04
0614F015.D	ZZZZZZ	ZZZZZZ	6/14/2013	11:10		6/14/2013	11:30
0614F016.D	ZZZZZZ	ZZZZZZ	6/14/2013	11:37		6/14/2013	11:57
0614F017.D	ZZZZZZ	ZZZZZZ	6/14/2013	12:03		6/14/2013	12:23
0614F018.D	ZZZZZZ	ZZZZZZ	6/14/2013	12:30		6/14/2013	12:50
0614F019.D	ZZZZZZ	ZZZZZZ	6/14/2013	12:56		6/14/2013	13:16
0614F020.D	ZZZZZZ	ZZZZZZ	6/14/2013	13:23		6/14/2013	13:43
0614F021.D	MW-15	K1305362-002	6/14/2013	13:49		6/14/2013	14:09
0614F022.D	MW-16	K1305362-003	6/14/2013	14:16		6/14/2013	14:36
0614F023.D	MW-17	K1305362-004	6/14/2013	14:42		6/14/2013	15:02
0614F024.D	MW-18	K1305362-005	6/14/2013	15:09		6/14/2013	15:29
0614F025.D	MW-2	K1305362-006	6/14/2013	15:35		6/14/2013	15:55
0614F026.D	ZZZZZZ	ZZZZZZ	6/14/2013	16:02		6/14/2013	16:22
0614F027.D	ZZZZZZ	ZZZZZZ	6/14/2013	16:28		6/14/2013	16:48

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: K1305362

Analysis Run Log
Polynuclear Aromatic Hydrocarbons

Analysis Method: 8270D SIM

Analysis Lot: KWG1305807
Instrument ID: MS11

File ID	Sample Name	Lab Code	Date Analysis Started	Start Time	Q	Date Analysis Finished	Finish Time
0615F001.D	GC/MS Tuning - Decafluorotriphenylph	KWG1305807-1	6/15/2013	07:20		6/15/2013	07:40
0615F002.D	Continuing Calibration Verification	KWG1305807-2	6/15/2013	07:46		6/15/2013	08:06
0615F003.D	ZZZZZZ	ZZZZZZ	6/15/2013	08:13		6/15/2013	08:33
0615F004.D	ZZZZZZ	ZZZZZZ	6/15/2013	08:39		6/15/2013	08:59
0615F005.D	ZZZZZZ	ZZZZZZ	6/15/2013	09:06		6/15/2013	09:26
0615F006.D	ZZZZZZ	ZZZZZZ	6/15/2013	09:32		6/15/2013	09:52
0615F007.D	ZZZZZZ	ZZZZZZ	6/15/2013	09:59		6/15/2013	10:19
0615F008.D	MW-37	K1305362-031	6/15/2013	10:25		6/15/2013	10:45
0615F009.D	MW-36	K1305362-030	6/15/2013	10:52		6/15/2013	11:12
0615F010.D	MW-35	K1305362-029	6/15/2013	11:18		6/15/2013	11:38
0615F011.D	MW-30	K1305362-024	6/15/2013	11:44		6/15/2013	12:04
0615F012.D	MW-3	K1305362-020	6/15/2013	12:11		6/15/2013	12:31
0615F013.D	Field Blank Rinsate	K1305362-019	6/15/2013	12:37		6/15/2013	12:57
0615F014.D	MW-41	K1305362-015	6/15/2013	13:04		6/15/2013	13:24
0615F015.D	ZZZZZZ	ZZZZZZ	6/15/2013	13:30		6/15/2013	13:50
0615F016.D	ZZZZZZ	ZZZZZZ	6/15/2013	13:57		6/15/2013	14:17
0615F017.D	ZZZZZZ	ZZZZZZ	6/15/2013	14:23		6/15/2013	14:43

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
Sample Matrix: Water

Service Request: K1305362
Date Extracted: 06/07/2013

Extraction Prep Log
Polynuclear Aromatic Hydrocarbons

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

Extraction Lot: KWG1305500
Level: Low

Sample Name	Lab Code	Date Collected	Date Received	Sample Amount	Final Volume	% Solids	Note
MW-15	K1305362-002	06/03/13	06/06/13	1050ml	5ml	NA	
MW-16	K1305362-003	06/02/13	06/06/13	1050ml	5ml	NA	
MW-17	K1305362-004	06/03/13	06/06/13	1050ml	5ml	NA	
MW-18	K1305362-005	06/03/13	06/06/13	1050ml	5ml	NA	
MW-2	K1305362-006	06/03/13	06/06/13	1010ml	5ml	NA	
MW-41	K1305362-015	06/02/13	06/06/13	1050ml	5ml	NA	
Field Blank Rinsate	K1305362-019	06/03/13	06/06/13	1050ml	5ml	NA	
MW-3	K1305362-020	06/03/13	06/06/13	1050ml	5ml	NA	
MW-30	K1305362-024	06/02/13	06/06/13	1050ml	5ml	NA	
MW-35	K1305362-029	06/03/13	06/06/13	1050ml	5ml	NA	
MW-36	K1305362-030	06/03/13	06/06/13	1050ml	5ml	NA	
MW-37	K1305362-031	06/02/13	06/06/13	1050ml	5ml	NA	
Method Blank	KWG1305500-5	NA	NA	1050ml	5ml	NA	
Lab Control Sample	KWG1305500-3	NA	NA	1000ml	5ml	NA	
Duplicate Lab Control Sample	KWG1305500-4	NA	NA	1000ml	5ml	NA	

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

APPENDIX C

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

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July 25, 2013

Project No. 361M125611.0001.4

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QUALITY ASSURANCE REVIEW

Site Investigation – Supplemental Groundwater Sampling and Remedial Action Pilot Study Performance Monitoring J. H. Baxter Arlington, Washington Facility

1.0 INTRODUCTION

AMEC Environment & Infrastructure, Inc. (AMEC) performed a Level III validation of the analytical data from groundwater samples collected at the J. H. Baxter Arlington, Washington facility. Thirty-two groundwater samples, two field duplicates, and one field blank were collected between June 2 and 4, 2013. The samples were submitted to ALS Environmental (ALS) located in Kelso, Washington, where they were analyzed for pentachlorophenol (PCP) and/or breakdown products by Modified United States Environmental Protection Agency (EPA) Method 8151A and/or polycyclic aromatic hydrocarbons (PAHs) by EPA Method 8270-selective ion monitoring (SIM). A list of these samples by field sample identification (ID), sample collection date, and ALS sample ID is presented in Table 1.

This data validation has been performed in accordance with:

- Baxter, 2002. Sampling and Analysis and Data Management Plan for the Site Investigation Work Plan J. H. Baxter Arlington Facility (SADMP)
- EPA, 2008. EPA Contract Laboratory Program (CLP) National Functional Guidelines for Superfund Organic Methods Data Review, EPA/540-R-08-01.
- EPA, 2001. Region 9 Superfund Data Evaluation/Validation Guidance, Version 1, R9QA/006.1, December, 2001.

The EPA CLP guidelines were written specifically for the CLP, and have been modified for the purposes of this data review where they differ from method-specific quality control (QC) requirements.

The laboratory's certified analytical report and supporting documentation were reviewed to assess the following:

- Data package and electronic data deliverable completeness
- Chain of custody (COC) compliance
- Holding time compliance

- Initial calibration (ICAL), initial calibration verification (ICV), and calibration verification standard (CVS) compliance with method-specified criteria
- Presence or absence of laboratory contamination as demonstrated by method blanks
- Accuracy and bias as demonstrated by recovery of surrogate spikes and laboratory control samples (LCSs)
- Analytical precision as relative percent difference (RPD) of analyte concentration between laboratory duplicates
- Sampling and analytical precision as RPD of analyte concentration between field duplicates
- Assessment of field contamination as demonstrated by field blanks
- Insofar as possible, the degree of conformance to method requirements and good laboratory practices

In general, it is important to recognize that no analytical data are guaranteed to be correct, even if all QC audits are passed. Strict QC serves to increase confidence in data, but any reported value may potentially contain error.

2.0 DEFINITIONS OF QUALIFIERS THAT MAY BE ADDED DURING VALIDATION

U The analyte was analyzed for, but was not detected above the reported sample quantitation limit.

J The analyte was positively identified; the associated numerical value is the approximate concentration of the analyte in the sample.

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

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

UJ The analyte was not detected above the reported sample quantitation limit. However, the reported quantitation limit is approximate and may or may not represent the actual limit of quantitation necessary to accurately and precisely measure the analyte in the sample.

R The sample result is rejected due to serious deficiencies in the ability to analyze the sample and meet quality control criteria. The presence or absence of the analyte cannot be verified.

3.0 DATA VALIDATION FINDINGS

3.1 CUSTODY, PRESERVATION, AND COMPLETENESS

Sample custody was maintained as required from sample collection to receipt at the laboratory. The samples were received intact, properly preserved, and at temperatures less than the EPA-recommended maximum of 6 degrees Celsius, with the following exception:

- According to the ALS's sample receipt documentation, one container of sample MW-17 was broken during transit. ALS was unable to perform the PCP analysis of this sample due to insufficient sample volume.

The laboratory reports are complete and contain results for the sample and tests requested on the COCs, except for the PCP analysis of sample MW-17.

3.2 PENTACHLOROPHENOL BY EPA METHOD 8151 MODIFIED

3.2.1 Holding Times

The samples were extracted within the method-required maximum holding time of seven days from collection and the sample extracts were analyzed within the method-required maximum holding time of 40 days from extraction.

3.2.2 Initial Calibration

Relative standard deviations (RSDs) were less than the EPA-recommended maximum of 20% and coefficients of determination were greater than the EPA-recommended minimum of 0.99 in the ICALs associated with the analysis of these samples.

3.2.3 Initial Calibration Verification

An ICV was analyzed after each ICAL. Percent differences or percent drifts (%Ds) from the ICAL were within the EPA-recommended 70% to 130% limits.

3.2.4 Calibration Verification

CVSs were analyzed at the beginning of each analytical shift and after every 10 samples. %Ds from the ICAL were less than the EPA-recommended maximum of 20%, with the following exceptions:

- The %D for 2,4,5-trichlorophenol was high at -29% (low analytical bias) on the confirmation column in the opening CVS associated with the analysis of sample

EW 1-4 Comp. 2,4,5-Trichlorophenol was not detected in this sample and the low bias on the confirmation column does not adversely affect data usability.

- The %D for 2,3,5,6-tetrachlorophenol was high at 21% (high analytical bias) on the primary analytical column and the %D for 2,4,5-trichlorophenol was high at -35% (low analytical bias) on the confirmation column in the closing CVS associated with the analysis of sample EW 1-4 Comp. These analytes were not detected in the associated sample and data usability is not adversely affected.

3.2.5 Blank Analyses

Laboratory Blanks

Laboratory blanks were analyzed at the required frequency of one per extraction batch. Target analytes were not detected in the laboratory blanks associated with the analysis of these samples.

Field Blank

Target analytes were not detected in the field rinsate blank associated with these samples.

3.2.6 Surrogate Analyses

Surrogate compounds were added to all samples, blanks, and QC samples as required. Recoveries of the surrogate compound 4-bromo-2,6-dichlorophenol were within the SADMP-specified 38% to 119% limits.

3.2.7 Laboratory Control Sample Analyses

The laboratory reported LCS/LCS duplicates (LCSDs) at the required frequency of one per extraction batch. Recovery and RPD values were compared to the SADMP criteria, or laboratory limits for analytes not listed in the SADMP. Recovery and RPD values are acceptable.

3.2.8 Matrix Spike/Matrix Spike Duplicate Analyses

Matrix spikes (MS)/MS duplicate (MSD) analyses were performed on samples EW 1-4 Comp and HCMW-7. Recovery and RPD values were compared to the SADMP criteria, or laboratory control limits for analytes not listed in the SADMP. Recovery and RPD values were acceptable, with the following exceptions:

- PCP recoveries were high at 436% in the MS and 852% in the MSD performed on sample EW 1-4 Comp. The background PCP concentration in the unspiked native sample, at 590 micrograms per liter (µg/L), was more than the spike concentration of 10 µg/L and it is not possible to evaluate data usability for this analyte based on MS recoveries.

3.2.9 Laboratory Reporting Limits

The SADMP-specified quantitation requirement goals were met for all samples that were analyzed undiluted.

3.2.10 Field Duplicates

Two field duplicates were analyzed for PCP. Sample BXS-5 is a field duplicate of sample BXS-1 and sample MW-44 is a field duplicate of MW-24. Field duplicate results are summarized in Table 2. RPDs between the primary and duplicate samples were less than the SADMP-specified maximum limit of 30%.

3.3 POLYCYCLIC AROMATIC HYDROCARBONS BY EPA METHOD 8270D SIM

3.3.1 Holding Times

The samples were extracted within the method-required maximum holding time of seven days from collection and the sample extracts were analyzed within the method-required maximum holding time of 40 days from extraction.

3.3.2 Instrument Tuning and Mass Calibration

The tuning compound decafluorotriphenylphosphine was analyzed at the beginning of each 12-hour analytical shift all relative abundance criteria meet method-specified limits.

3.3.3 Initial Calibration

RSDs were less than the method-specified maximum of 20% in the ICALs associated with the analysis of these samples. Additionally, RRFs were greater than the method-specified minimums of:

- 0.4 for dibenz(a,h)anthracene and 2-methylnaphthalene;
- 0.5 for benzo(g,h,i)perylene and indeno(1,2,3-cd)pyrene;
- 0.6 for fluoranthene and pyrene;
- 0.7 for anthracene, benzo(b)fluoranthene, benzo(k)fluoranthene, benzo(a)pyrene, chrysene, naphthalene, and phenanthrene;
- 0.8 for benzo(a)anthracene; and
- 0.9 for acenaphthene, acenaphthylene, and fluorene.

3.3.4 Initial Calibration Verification

An ICV was analyzed after each ICAL. RRFs were greater than the EPA-recommended minimums and %Ds from the ICAL were less than the EPA-recommended maximum of 30%.

3.3.5 Calibration Verification

CVSs were analyzed at the beginning of each12-hour analytical shift. RRFs were greater than the EPA-recommended minimums and %Ds from the ICAL were less than the EPA-recommended maximum of 20%.

3.3.6 Blank Analyses

Method Blanks

Method blanks were analyzed at the required frequency of one per extraction batch. Target analytes were not detected in the method blanks, with the following exceptions:

- Benzo(a)anthracene (0.0040 µg/L), benzo(g,h,i)perylene (0.0070 µg/L), dibenz(a,h)anthracene (0.0035 µg/L), fluorene (0.0043 µg/L), indeno(1,2,3-cd)pyrene (0.0043 µg/L), 2-methylnaphthalene (0.0041 µg/L), and naphthalene (0.0055 µg/L) were detected in the laboratory blank associated with the analysis of samples MW-2, MW-3, MW-15, MW-16, MW-17, MW-18, MW-30, MW-35, MW-36, MW-37, and MW-41. Data limitations are summarized below.
  - AMEC U qualified the detected fluorene (0.0066 µg/L) and naphthalene (0.024 µg/L) results from sample MW-36 because the concentrations detected in the sample were less than five times the concentrations detected in the blank. (U-MB)
  - AMEC U qualified the detected 2-methylnaphthalene result from samples MW-15 (0.0027 µg/L), MW-16 (0.0031 µg/L), MW-18 (0.0045 µg/L), and MW-41 (0.0043 µg/L) because the concentration detected in the sample was less than five times the concentration detected in the blank. (U-MB)
  - AMEC U qualified the detected 2-methylnaphthalene and naphthalene results from samples MW-2 (0.0029 µg/L and 0.025 µg/L), MW-3 (0.0025 µg/L and 0.021 µg/L), and MW-30 (0.0047 µg/L and 0.022 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 naphthalene results from samples MW-35 (0.018 µg/L) and MW-37 (0.018 µg/L) because the concentrations detected in the samples were less than five times the concentration detected in the blank. (U-MB)
  - The remaining analytes either were not detected in the associated samples, or were detected at concentrations greater than five times the concentrations detected in the blank. Data usability is not adversely affected.

Field Blank

One field blank, with the sample ID Field Blank/Rinsate, was analyzed for PAHs. Fluorene (0.0043 µg/L), 2-methylnaphthalene (0.011 µg/L), naphthalene (0.022 µg/L), and phenanthrene (0.0060 µg/L) were detected in the field blank. Samples MW-2, MW-3, MW-15, MW-17, MW-18, MW-35, and MW-36 were collected on the same day as the field blank. Data limitations are summarized below.

- AMEC U qualified the detected naphthalene results from samples MW-15 (0.040 µg/L), MW-17 (0.035 µg/L), and MW-18 (0.051 µg/L) because the concentrations detected in the samples were less than five times the concentration detected in the blank. (U-RB)
- The fluorene, 2-methylnaphthalene, and/or naphthalene detections in the remaining associated samples were previously qualified because of analyte detections in the associated method blank and further qualification because of blank contamination is not warranted.
- Phenanthrene was not detected in the associated samples and data usability is not adversely affected.

3.3.7 Surrogate Analyses

Surrogate compounds were added to all samples, blanks, and QC samples as required. Surrogate recoveries were within the SADMP-specified 31% to 97% limits for fluorene-d_{10}, 31% to 113% limits for fluoranthene-d_{10}, and 30% to 115% limits for terphenyl-d_{14}, with the following exceptions.

- Recoveries of the surrogate compound fluorene-d_{10} were high in samples MW-30 and MW-35 at 98% and 99%, respectively. These recoveries are greater than the SADMP-specified limits but they are within both the laboratory's current 46% to 114% limits and the EPA-recommended 70% to 130% limits. In AMEC's professional opinion, data usability is not adversely affected.

3.3.8 Internal Standard Evaluation

Internal standards (ISs) were added to all samples, blanks and QC samples as required. All IS recoveries were within the SADMP-specified -50% to +100% limits.

3.3.9 Laboratory Control Sample Analyses

The laboratory processed and analyzed LCS/LCSDs at the required frequency of one per extraction batch. Recovery and RPD values were compared to the SADMP criteria, or laboratory limits for analytes not listed in the SADMP. Recovery and RPD values are acceptable.

3.3.10 Matrix Spike/Matrix Spike Duplicate Analyses

Project-specific MS/MSDs were not performed on PAH samples from this project because of insufficient sample volume. The laboratory provided LCS and LCSD data to demonstrate acceptable analytical precision and accuracy.

3.3.11 Laboratory Reporting Limits

The SADMP reporting limit goals were met for all samples.

3.3.12 Field Duplicates

One field duplicate was analyzed for PAHs. Sample BXS-5 is a field duplicate of sample BXS-1. Field duplicate results are summarized in Table 2. RPDs between the primary and duplicate samples were less than the SADMP-specified maximum limit of 30%.

3.3.13 Data Reporting and Analytical Procedure

ALS J qualified detected analytes with concentrations between the MDL and the RL. AMEC agrees that these results are quantitatively uncertain and maintained ALS' J qualifiers.

3.4 OVERALL ASSESSMENT OF DATA USABILITY

The data are fully usable with the addition of the qualifiers specified in Section 3.3, which are summarized in Table 3

AMEC reviewed a total of 274 results from these samples. AMEC J qualified 6 results (2.2%) as estimated values because of analyte detections between the MDL and the RL and U qualified 17 results (6.2%) as being not detected because of analyte detections in the associated laboratory and field rinsate blanks. 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
EW 1-4 Comp	6/4/2013	K1305356-001	MS/MSD
BXS-1	6/4/2013	K1305359-001	
BXS-2	6/4/2013	K1305359-002	
BXS-5	6/4/2013	K1305359-003	Field duplicate of BXS-1
HCMW-7	6/3/2013	K13053625-001	PCP only
MW-15	6/3/2013	K13053625-002	
MW-16	6/2/2013	K13053625-003	
MW-17	6/3/2013	K13053625-004	Single bottle broken during transit
MW-18	6/3/2013	K13053625-005	
MW-2	6/3/2013	K13053625-006	
MW-22	6/3/2013	K13053625-007	PCP only
MW-23	6/3/2013	K13053625-008	PCP only
MW-24	6/3/2013	K13053625-009	PCP only
MW-25	6/3/2013	K13053625-010	PCP only
MW-26	6/3/2013	K13053625-011	PCP only
MW-38	6/3/2013	K13053625-012	PCP only
MW-39	6/2/2013	K13053625-013	PCP only
MW-40	6/2/2013	K13053625-014	PCP only
MW-41	6/2/2013	K13053625-015	PCP only
MW-42	6/3/2013	K13053625-016	PCP only
MW-43	6/3/2013	K13053625-017	PCP only
MW-44	6/3/2013	K13053625-018	PCP only, Field duplicate of MW-24
Field Blank/Rinsate	6/3/2013	K13053625-019	
MW-3	6/3/2013	K13053625-020	
MW-27	6/3/2013	K13053625-021	PCP only
MW-28	6/3/2013	K13053625-022	PCP only
MW-29	6/3/2013	K13053625-023	PCP only
MW-30	6/2/2013	K13053625-024	
MW-31	6/3/2013	K13053625-025	PCP only
MW-32	6/3/2013	K13053625-026	PCP only
MW-33	6/3/2013	K13053625-027	PCP only
MW-34	6/3/2013	K13053625-028	PCP only
MW-35	6/3/2013	K13053625-029	
MW-36	6/3/2013	K13053625-030	
MW-37	6/2/2013	K13053625-031	

Notes:
MS/MSD = matrix spike/matrix spike duplicate

PCP = pentachlorophenol

Table 2
Field Duplicate Detections
J.H. Baxter - Arlington

Analyte	Reporting Limit (µg/L)	Primary Sample (µg/L)	Field Duplicate (µg/L)	Relative Percent Difference	Notes
Samples MW-24 and MW-44					
Pentachlorophenol	25.0	540	480	12%	
Samples BXS-1 and BXS-5					
Pentachlorophenol	5.0	69	67	2.9%	
Naphthalene	0.019	0.0096 J	0.028	98%	±RL

Notes:
µg/L = micrograms per liter
± RL = The difference between analyte concentrations is less than the reporting limit.

Qualifier Definition:
J = The analyte was positively identified; the associated numerical value is the approximate concentration of the analyte in the sample.

Table 3
Qualifiers Added During Validation
J.H. Baxter - Arlington

Sample ID	Analyte	Concentration	Qualifiers and Reason Codes
BXS-1	Naphthalene	0.0096 µg/L	J DL
MW-2	Anthracene	0.015 µg/L	J DL
	2-Methylnaphthalene	0.0029 µg/L	U MB
	Naphthalene	0.025 µg/L	U MB
MW-3	Anthracene	0.0094 µg/L	J DL
	2-Methylnaphthalene	0.0025 µg/L	U MB
	Naphthalene	0.021 µg/L	U MB
MW-15	2-Methylnaphthalene	0.0027 µg/L	U MB
	Naphthalene	0.04 µg/L	U RB
MW-16	2-Methylnaphthalene	0.0031 µg/L	U MB
MW-17	Naphthalene	0.035 µg/L	U RB
MW-18	2-Methylnaphthalene	0.0045 µg/L	U MB
	Naphthalene	0.051 µg/L	U RB
MW-30	2-Methylnaphthalene	0.0047 µg/L	U MB
	Naphthalene	0.022 µg/L	U MB
MW-35	Naphthalene	0.018 µg/L	U MB
MW-36	Anthracene	0.014 µg/L	J DL
	Fluorene	0.0066 µg/L	U MB
	Naphthalene	0.024 µg/L	U MB
MW-37	Anthracene	0.0077 µg/L	J DL
	Naphthalene	0.018 µg/L	U MB
MW-41	Anthracene	0.0071 µg/L	J DL
	2-Methylnaphthalene	0.0043 µg/L	U MB

Notes:
µg/L = micrograms per liter

Qualifier Definitions:
J = The analyte was positively identified; the associated numerical value is the approximate concentration of the analyte in the sample.
U = The analyte was analyzed for, but was not detected above the reported sample quantitation limit.

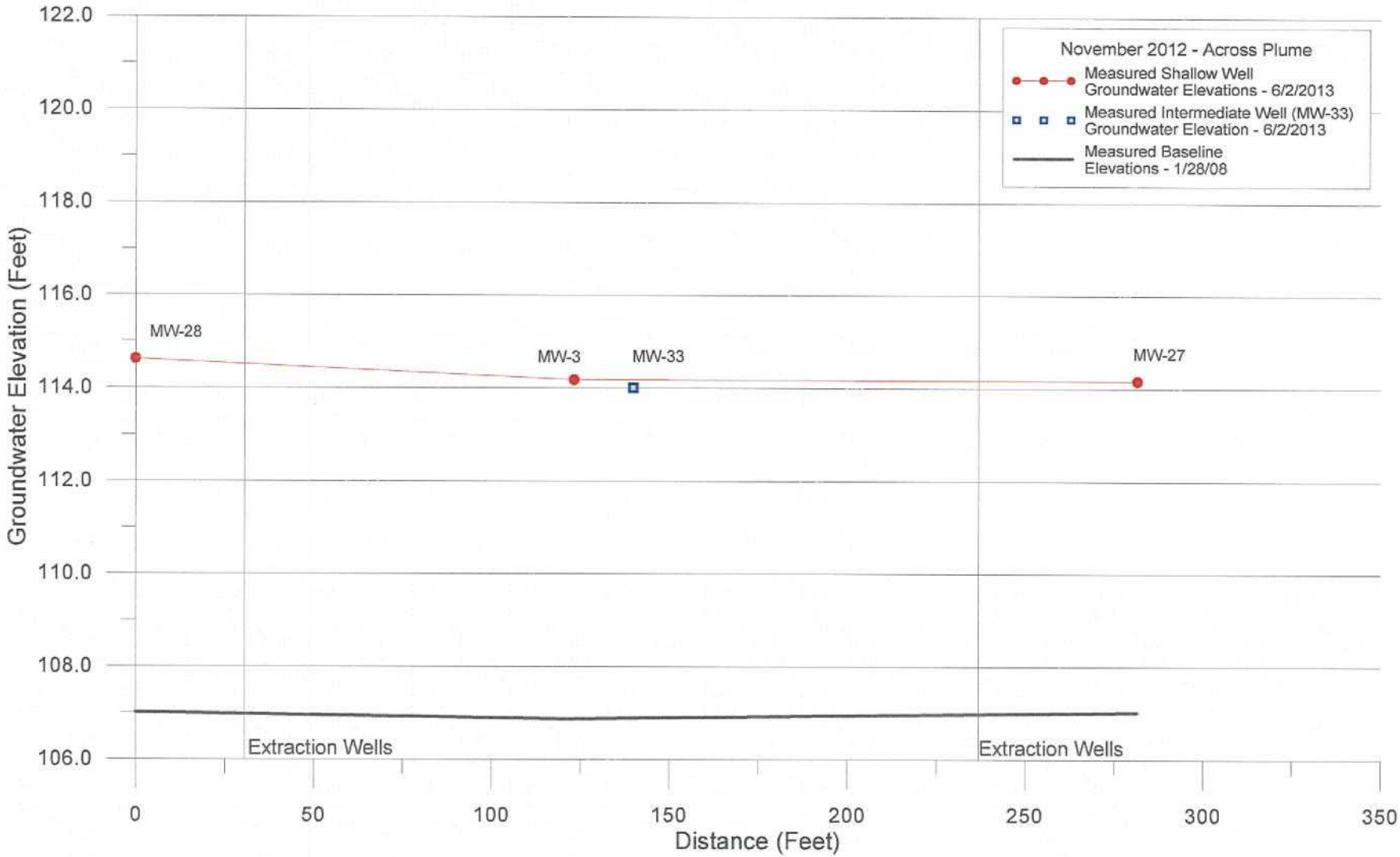
Reason Code Definitions:
DL = The analyte concentration is between the method detection limit and the reporting limit.
MB = The analyte was detected in the sample and the associated method blank. The concentration detected in the sample was less than five times the concentration detected in the blank.
RB = The analyte was detected in the sample and the associated equipment blank. The concentration detected in the sample was less than five times the concentration detected in the blank.

APPENDIX D

APPENDIX D

Other Figures – Second Quarter 2013

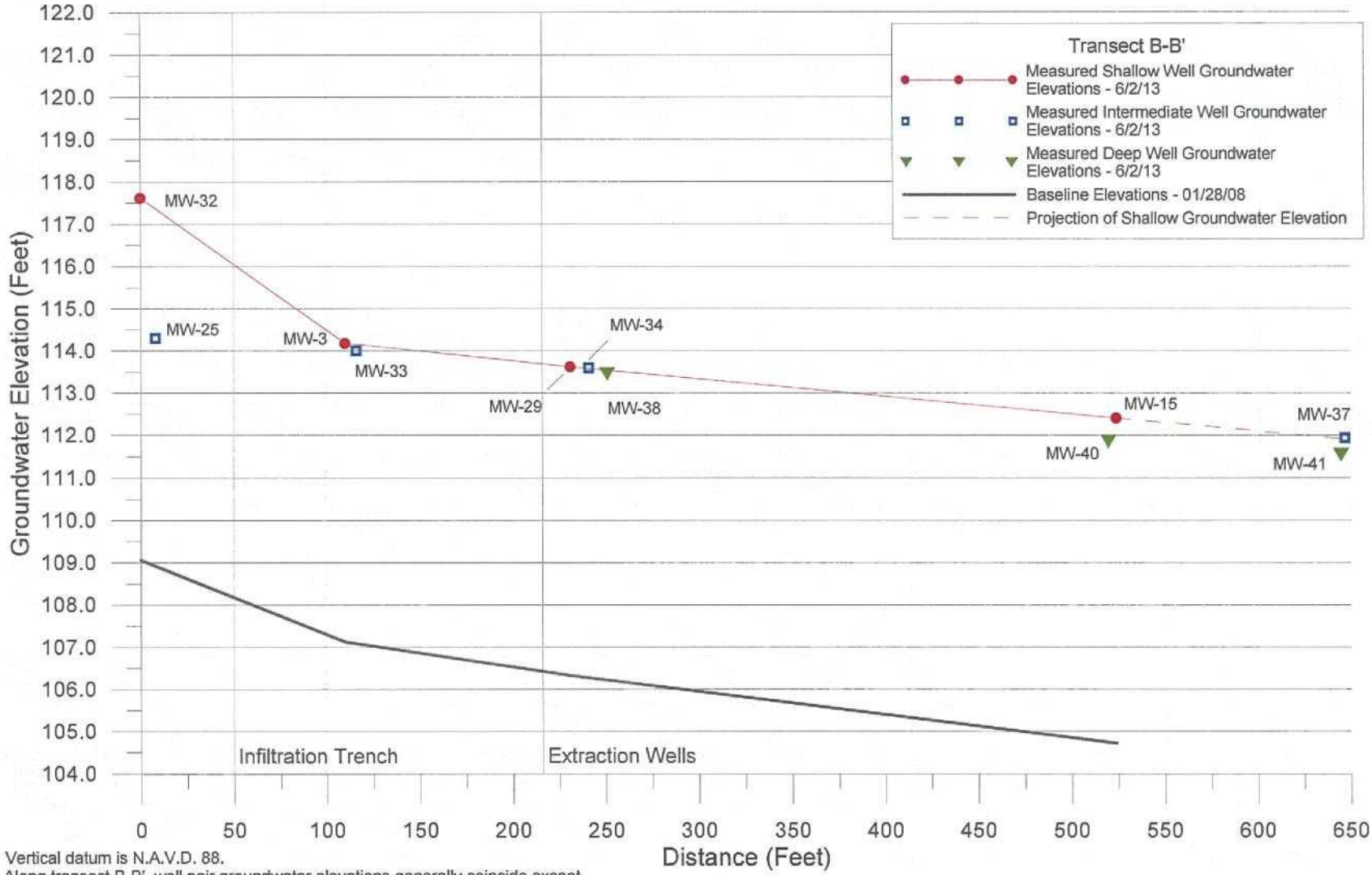
P:\12706 - JH Baxter Arlington\7000 Remediation\Performance Monitoring\Groundwater Cross Sections\GW_CrossSec_AA_12808_Baseline_2012.grf



Notes:
1. Vertical datum is N.A.V.D 88.
2. Along transect A-A', well pair groundwater elevations generally coincide, indicating minimal vertical gradient in the vicinity of MW-3 and MW-33.
3. Shallow wells are defined as wells with bottom-of-screen elevations above 90 feet mean sea level (msl). Intermediate wells are defined as wells with bottom-of-screen elevations beween 70 and 90 feet msl.

amec	SECOND QUARTER 2013 MONITORING EVENT (JUNE 2013) GROUNDWATER ELEVATION CROSS-SECTION A-A' Former J.H. Baxter and Co. Wood Treating Facility Arlington, Washington	Prepared By: ERO 6/13/13	Project No. 12706 Figure No. 1

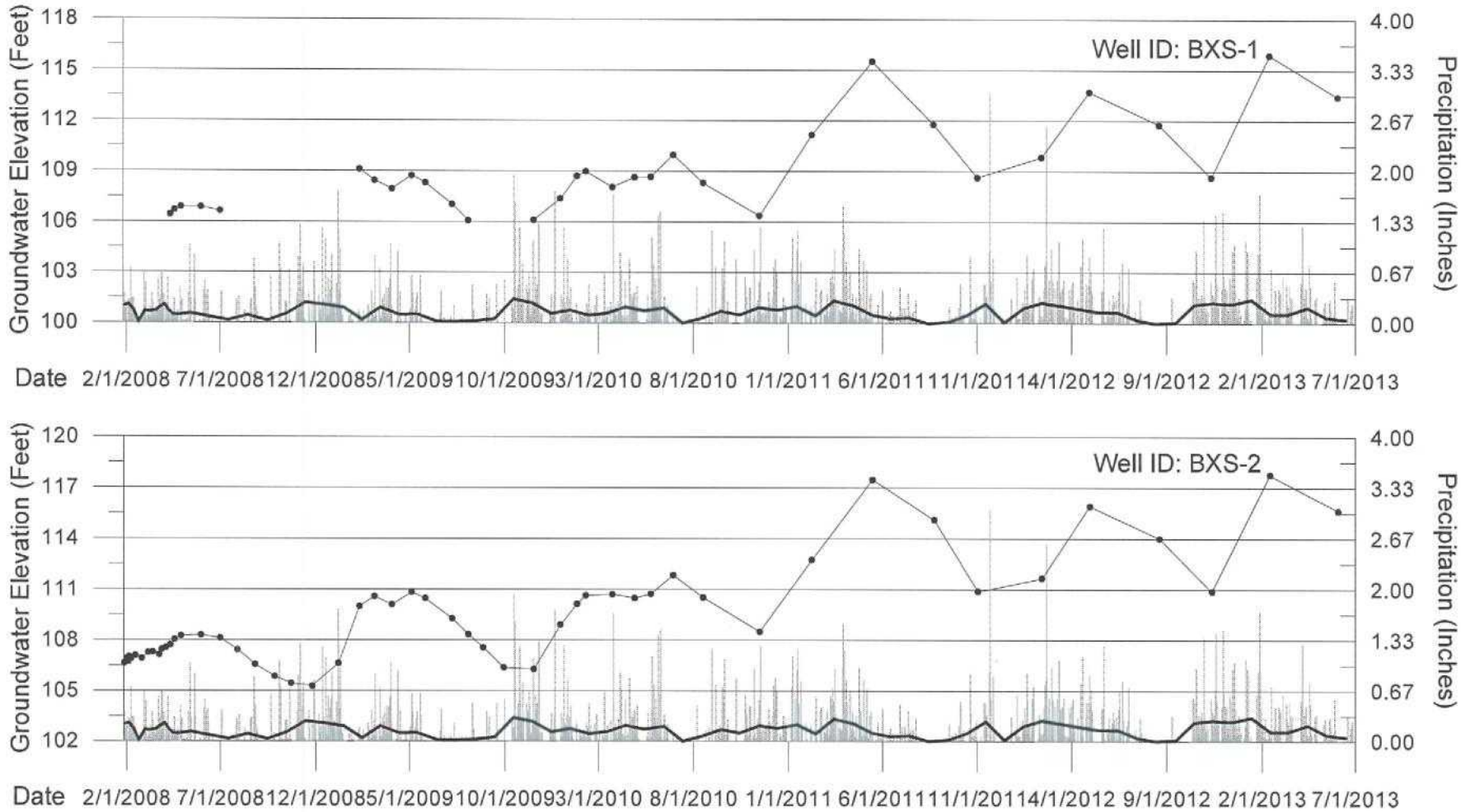
P:\12706 - JH Baxter Arlington\7000 Remediation\Performance Monitoring\Groundwater Cross Sections\GW_CrossSec_BB_12806_Baseline_2012.grf



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	SECOND QUARTER 2013 MONITORING EVENT (JUNE 2013) GROUNDWATER ELEVATION CROSS-SECTION B-B' Former J.H. Baxter and Co. Wood Treating Facility Arlington, Washington	Prepared By: ERO 6/13/13	Project No. 12706 Figure No. 2

P:\12706 - JH Baxter Arlington\7000 Remediation\Performance Monitoring\Water_Fluctuations O&M.grf



Notes:
1. Vertical datum is N.A.V.D 88.
2. Precipitation data source is the National Climatic Data Center (NCDC) Arlington, WA station (COOP ID: 450257).
3. Precipitation data include rain and/or melted snow.
4. Precipitation data from December 2010 through December 2011 are preliminary and are not final, quality-controlled data.
5. Precipitation is listed as zero for some unavailable June 2013 data points.

LEGEND
- Groundwater elevation time series
- Daily Precipitation (inches)
- Average precipitation between groundwater measurements (inches/day)

amec

GROUNDWATER ELEVATION VERSUS TIME: WELLS BXS-1 AND BXS-2
Former J.H. Baxter and Co. Wood Treating Facility
Arlington, Washington

Prepared By: ERO	Project No. 12706
7/9/13	Figure No. 3

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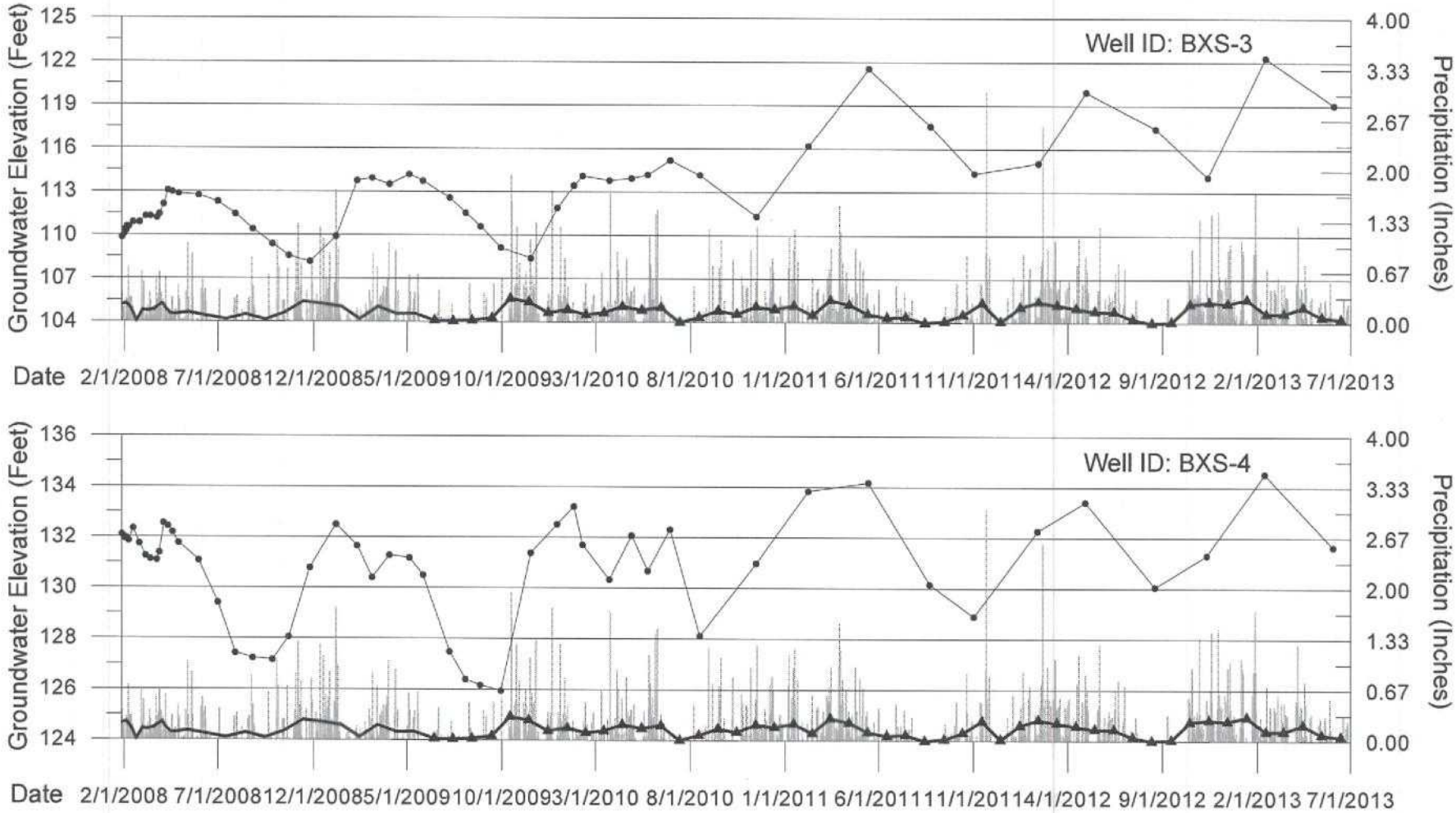

Notes:
1. Vertical datum is N.A.V.D 88.
2. Precipitation data source is the National Climatic Data Center (NCDC) Arlington, WA station (COOP ID: 450257).
3. Precipitation data include rain and/or melted snow.
4. Precipitation data from December 2010 through December 2011 are preliminary and are not final, quality-controlled data.
5. Precipitation is listed as zero for some unavailable June 2013 data points.

LEGEND
- Groundwater elevation time series
- Daily precipitation (inches)
- Average precipitation between groundwater measurements (inches/day)

amec

GROUNDWATER ELEVATION VERSUS TIME: WELLS BXS-3 AND BXS-4
Former J.H. Baxter and Co. Wood Treating Facility
Arlington, Washington

Prepared By: ERO	Project No. 12706
7/9/13	Figure No. 4

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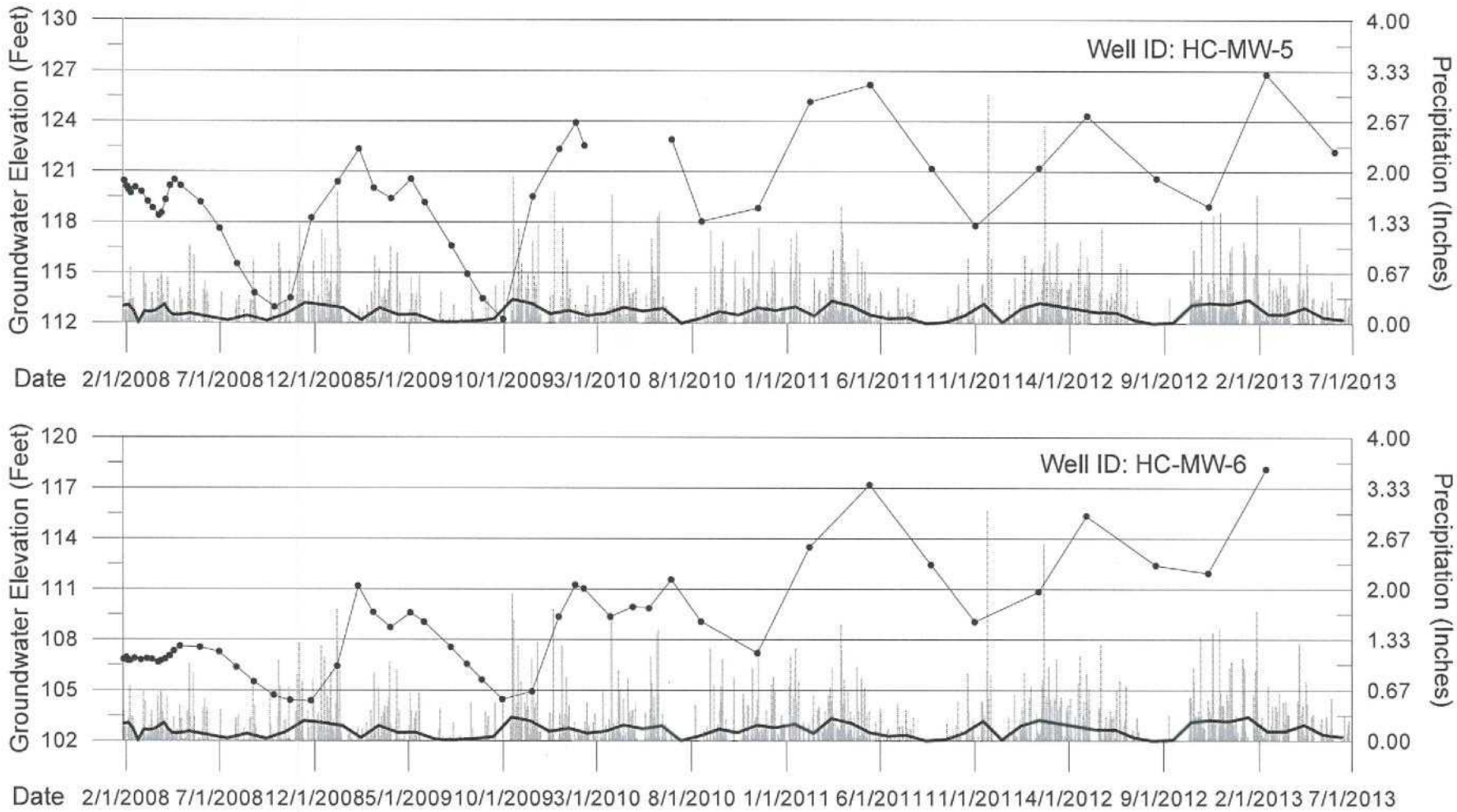

Notes:
1. Vertical datum is N.A.V.D 88.
2. Precipitation data source is the National Climatic Data Center (NCDC) Arlington, WA station (COOP ID: 450257).
3. Precipitation data include rain and/or melted snow.
4. Groundwater elevation was not collected at HC-MW-5 during the March and April 2010 sampling period due to damaged well monument lid that could not be opened.
5. Precipitation data from December 2010 through December 2011 are preliminary and are not final, quality-controlled data.
6. Precipitation is listed as zero for some unavailable June 2013 data points.

LEGEND
- Groundwater elevation time series
- Daily precipitation (inches)
- Average precipitation between groundwater measurements (inches/day)

amec	GROUNDWATER ELEVATION VERSUS TIME: WELLS HC-MW-5 AND HC-MW-6 Former J.H. Baxter and Co. Wood Treating Facility Arlington, Washington	Prepared By: ERO	Project No. 12706
		7/9/13	Figure No. 5

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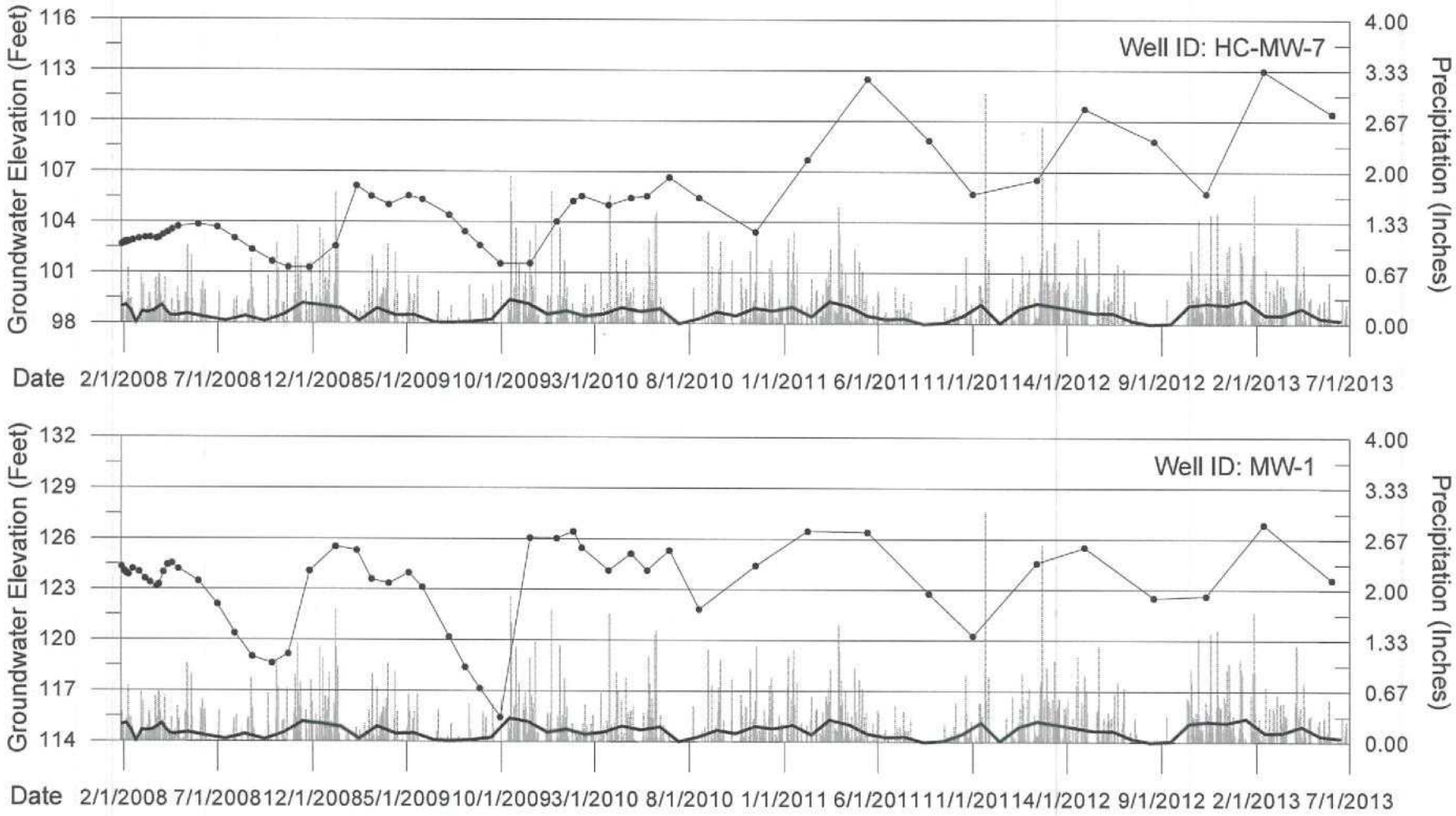

Notes:
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2. Precipitation data source is the National Climatic Data Center (NCDC) Arlington, WA station (COOP ID: 450257).
3. Precipitation data include rain and/or melted snow.
4. Precipitation data from December 2010 through December 2011 are preliminary and are not final, quality-controlled data.
5. Precipitation is listed as zero for some unavailable June 2013 data points.

LEGEND
- Groundwater elevation time series
- Daily precipitation (inches)
- Average precipitation between groundwater measurements (inches/day)

amec

GROUNDWATER ELEVATION VERSUS TIME: WELLS HC-MW-7 AND MW-1
Former J.H. Baxter and Co. Wood Treating Facility
Arlington, Washington

Prepared By: ERO	Project No. 12706
7/9/13	Figure No. 6

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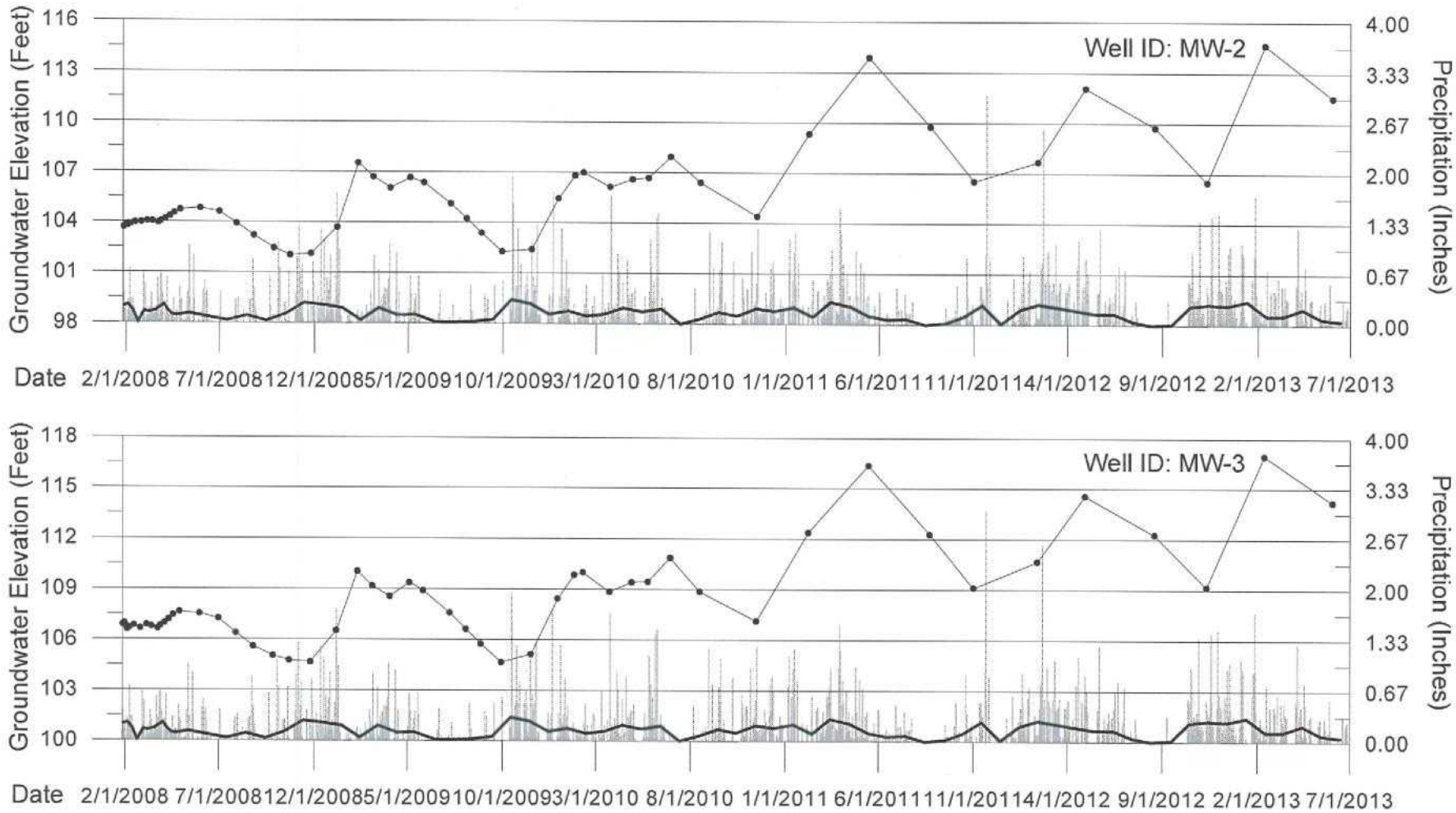

Notes:
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2. Precipitation data source is the National Climatic Data Center (NCDC) Arlington, WA station (COOP ID: 450257).
3. Precipitation data include rain and/or melted snow.
4. Precipitation data from December 2010 through December 2011 are preliminary and are not final, quality-controlled data.
5. Precipitation is listed as zero for some unavailable June 2013 data points.

LEGEND
- Groundwater elevation time series
- Daily precipitation (inches)
- Average precipitation between groundwater measurements (inches/day)

amec

GROUNDWATER ELEVATION VERSUS TIME: WELLS MW-2 AND MW-3
Former J.H. Baxter and Co. Wood Treating Facility
Arlington, Washington

Prepared By: ERO	Project No. 12706
7/9/13	Figure No. 7

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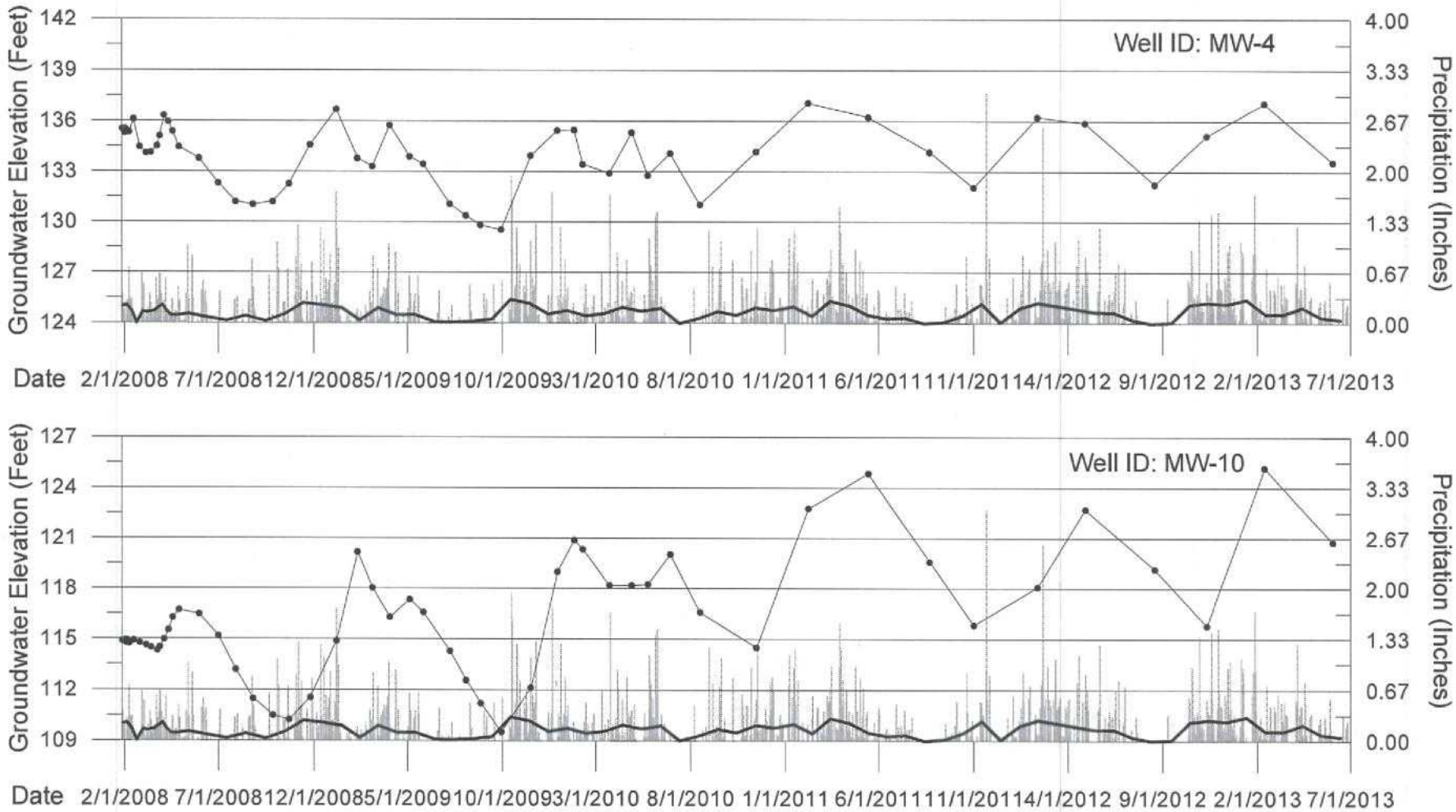

Notes:
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2. Precipitation data source is the National Climatic Data Center (NCDC) Arlington, WA station (COOP ID: 450257).
3. Precipitation data include rain and/or melted snow.
4. Precipitation data from December 2010 through December 2011 are preliminary and are not final, quality-controlled data.
5. Precipitation is listed as zero for some unavailable June 2013 data points.

LEGEND
- Precipitation time series
- Daily precipitation (inches)
- Average precipitation between groundwater measurements (inches/day)

amec

GROUNDWATER ELEVATION VERSUS TIME: WELLS MW-4 AND MW-10
Former J.H. Baxter and Co. Wood Treating Facility
Arlington, Washington

Prepared By: ERO	Project No. 12706
7/9/13	Figure No. 8

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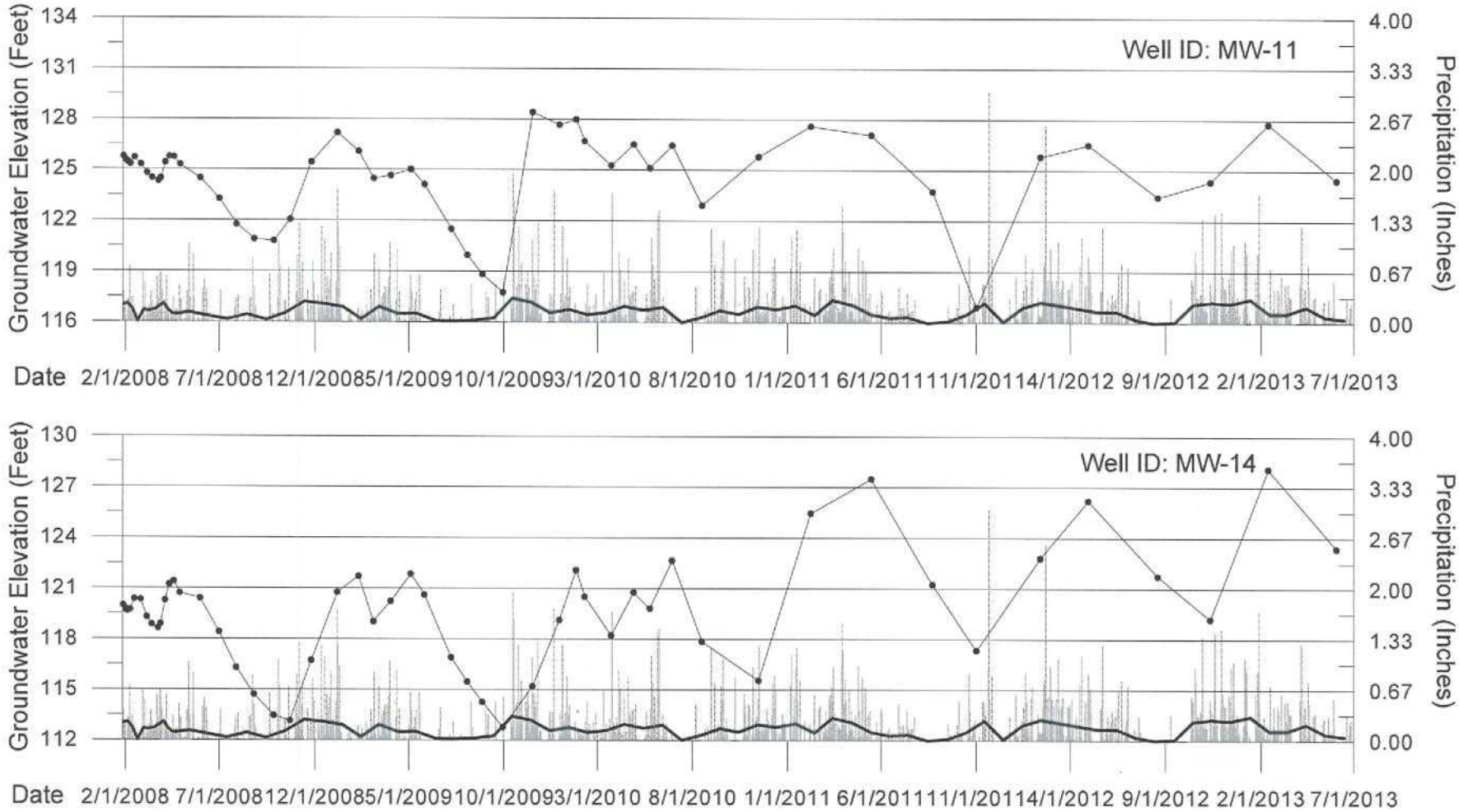

Notes:
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2. Precipitation data source is the National Climatic Data Center (NCDC) Arlington, WA station (COOP ID: 450257).
3. Precipitation data include rain and/or melted snow.
4. Precipitation data from December 2010 through December 2011 are preliminary and are not final, quality-controlled data.
5. Precipitation is listed as zero for some unavailable June 2013 data points.

LEGEND
- Groundwater elevation time series
- Daily precipitation (inches)
- Average precipitation between groundwater measurements (inches/day)

amec

GROUNDWATER ELEVATION VERSUS TIME: WELLS MW-11 AND MW-14
Former J.H. Baxter and Co. Wood Treating Facility
Arlington, Washington

Prepared By: ERO	Project No. 12706
7/9/13	Figure No. 9

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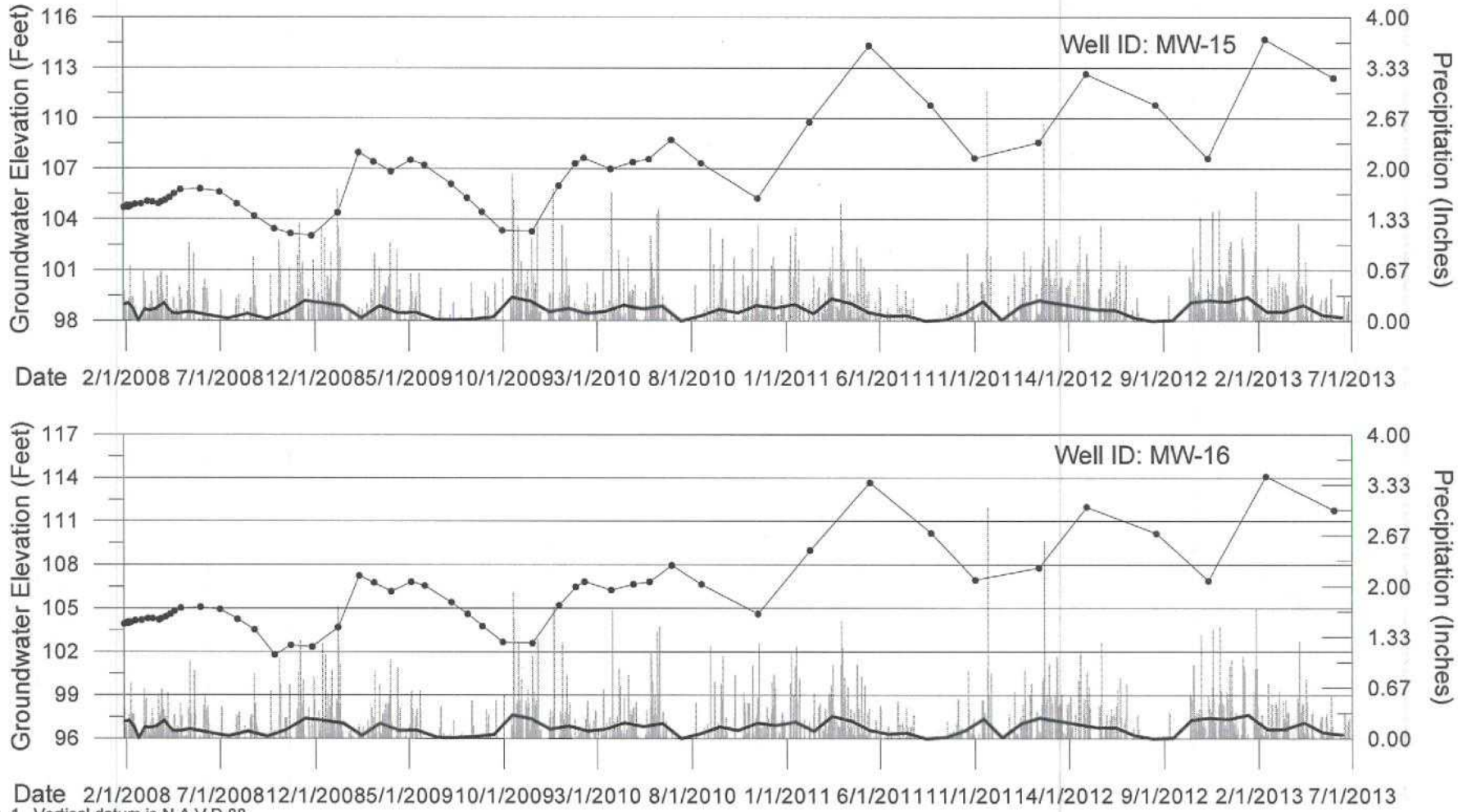

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2. Precipitation data source is the National Climatic Data Center (NCDC) Arlington, WA station (COOP ID: 450257).
3. Precipitation data include rain and/or melted snow.
4. Precipitation data from December 2010 through December 2011 are preliminary and are not final, quality-controlled data.
5. Precipitation is listed as zero for some unavailable June 2013 data points.
6. In May 2011, a suspected incorrect depth to water measurement occurred at MW-15. The 2nd Quarter 2011 groundwater elevation at MW-15 was estimated by calculating the average elevation difference between MW-15 and MW-40 for the 3rd Quarter 2010 through the 1st Quarter 2011 and adding this difference to the 2nd Quarter 2011 groundwater elevation measured at MW-40.

LEGEND
- Groundwater elevation time series
- Daily precipitation (inches)
- Average precipitation between groundwater measurements (inches/day)

amec

GROUNDWATER ELEVATION VERSUS TIME: WELLS MW-15 AND MW-16
Former J.H. Baxter and Co. Wood Treating Facility
Arlington, Washington

Prepared By: ERO	Project No. 12706
7/9/13	Figure No. 10

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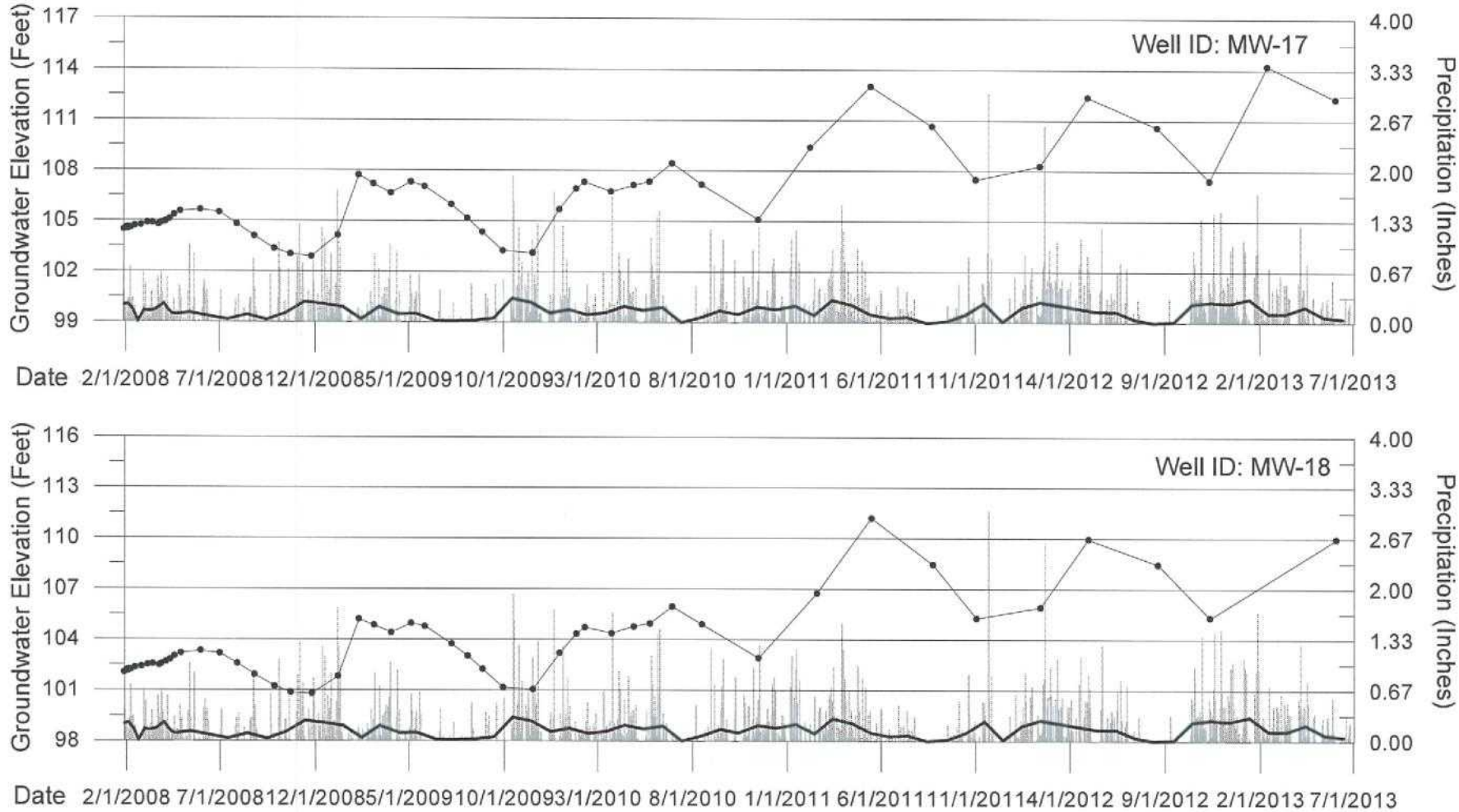

Notes:
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2. Precipitation data source is the National Climatic Data Center (NCDC) Arlington, WA station (COOP ID: 450257).
3. Precipitation data include rain and/or melted snow.
4. Precipitation data from December 2010 through December 2011 are preliminary and are not final, quality-controlled data.
5. Precipitation is listed as zero for some unavailable June 2013 data points.

LEGEND
- Groundwater elevation time series
- Daily precipitation (inches)
- Average precipitation between groundwater measurements (inches/day)

amec

GROUNDWATER ELEVATION VERSUS TIME: WELLS MW-17 AND MW-18
Former J.H. Baxter and Co. Wood Treating Facility
Arlington, Washington

Prepared By: ERO	Project No. 12706
7/9/13	Figure No. 11

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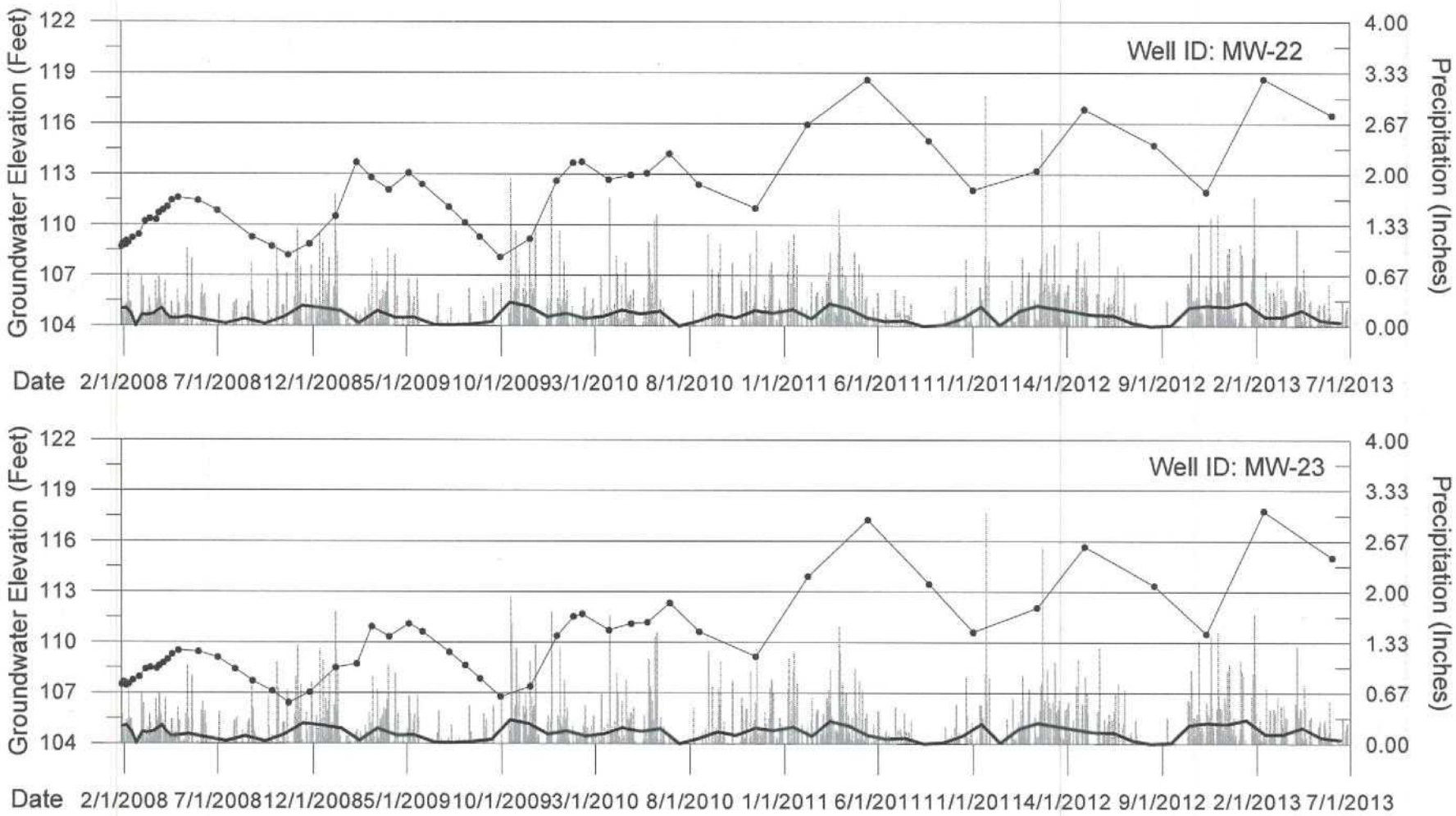

Notes:
1. Vertical datum is N.A.V.D 88.
2. Precipitation data source is the National Climatic Data Center (NCDC) Arlington, WA station (COOP ID: 450257).
3. Precipitation data include rain and/or melted snow.
4. Precipitation data from December 2010 through December 2011 are preliminary and are not final, quality-controlled data.
5. Precipitation is listed as zero for some unavailable June 2013 data points.

LEGEND
- Groundwater elevation time series
- Daily precipitation (inches)
- Average precipitation between groundwater measurements (inches/day)

amec

GROUNDWATER ELEVATION VERSUS TIME: WELLS MW-22 AND MW-23
Former J.H. Baxter and Co. Wood Treating Facility
Arlington, Washington

Prepared By: ERO	Project No. 12706
7/9/13	Figure No. 12

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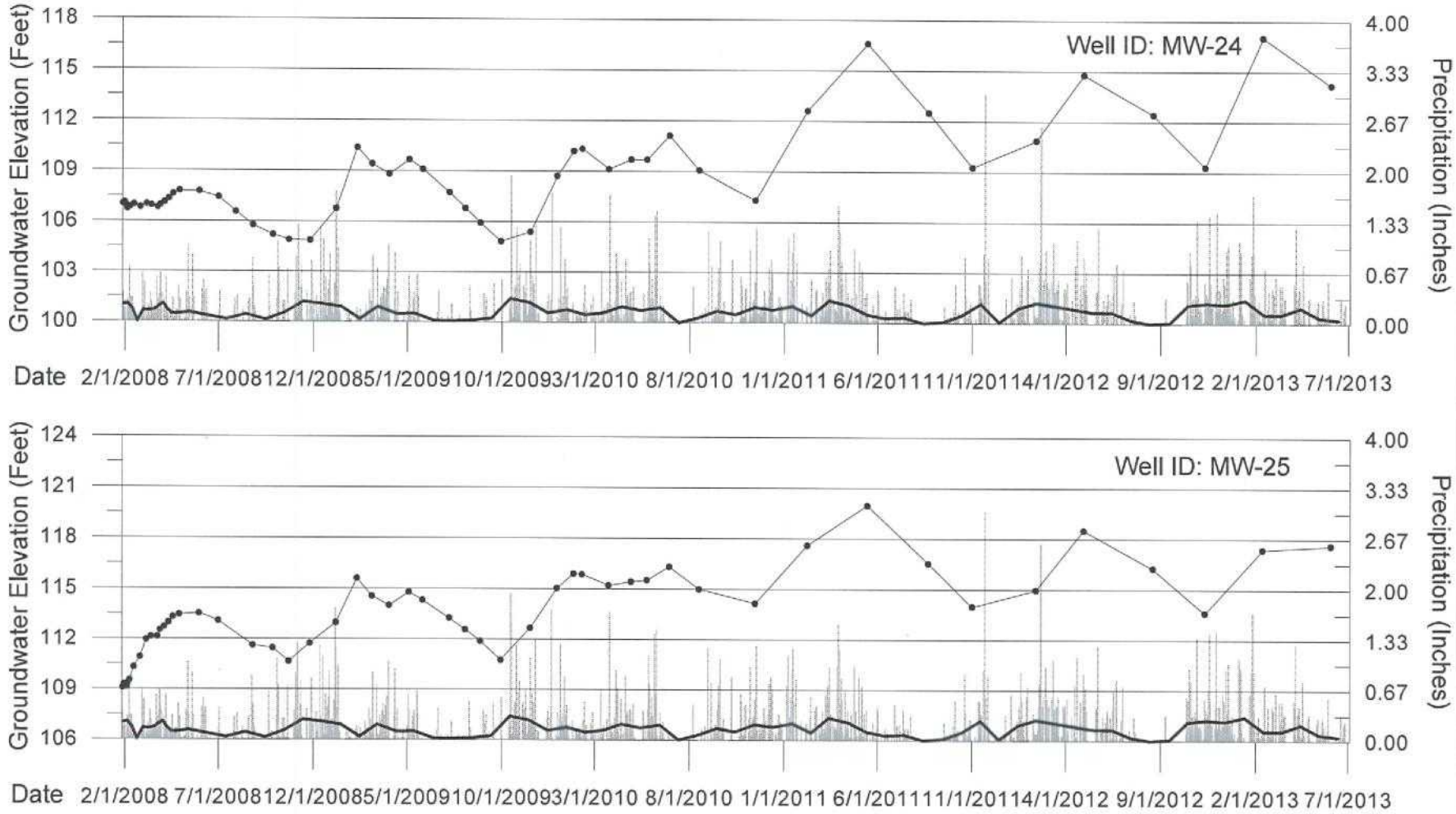

Notes:
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2. Precipitation data source is the National Climatic Data Center (NCDC) Arlington, WA station (COOP ID: 450257).
3. Precipitation data include rain and/or melted snow.
4. Precipitation data from December 2010 through December 2011 are preliminary and are not final, quality-controlled data.
5. Precipitation is listed as zero for some unavailable June 2013 data points.

LEGEND
- Groundwater elevation time series
- Daily precipitation (inches)
- Average precipitation between groundwater measurements (inches/day)

amec

GROUNDWATER ELEVATION VERSUS TIME: WELLS MW-24 AND MW-25
Former J.H. Baxter and Co. Wood Treating Facility
Arlington, Washington

Prepared By: ERO	Project No. 12706
7/9/13	Figure No. 13

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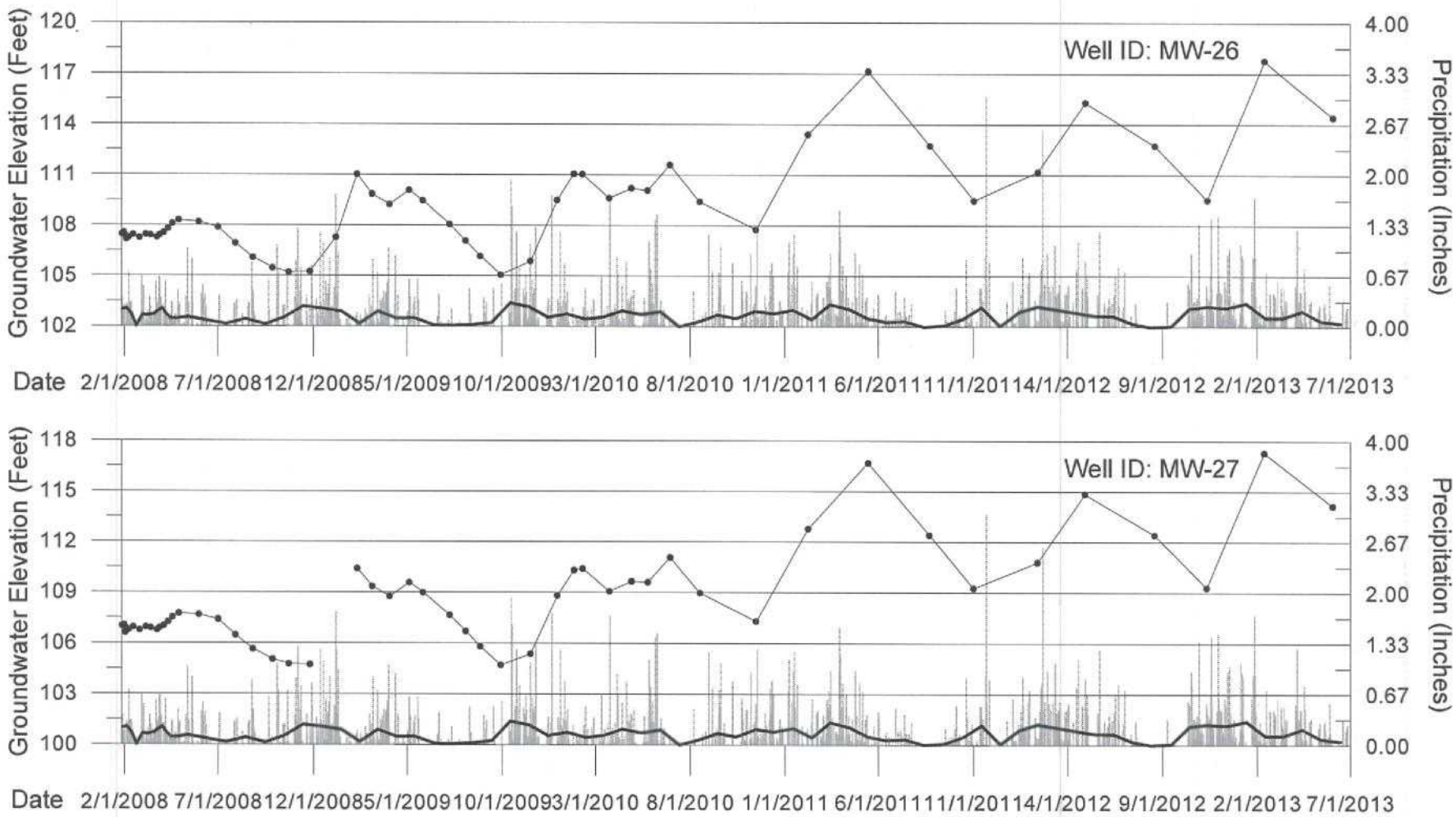

Notes:
1. Vertical datum is N.A.V.D 88.
2. Precipitation data source is the National Climatic Data Center (NCDC) Arlington, WA station (COOP ID: 450257).
3. Precipitation data include rain and/or melted snow.
4. Groundwater elevation was not collected at MW-27 during the December 2008 sampling period due to high surface water conditions surrounding the well.
5. Precipitation data from December 2010 through December 2011 are preliminary and are not final, quality-controlled data.
6. Precipitation is listed as zero for some unavailable June 2013 data points.

LEGEND
- Groundwater elevation time series
- Daily precipitation (inches)
- Average precipitation between groundwater measurements (inches/day)

amec

GROUNDWATER ELEVATION VERSUS TIME: WELLS MW-26 AND MW-27
Former J.H. Baxter and Co. Wood Treating Facility
Arlington, Washington

Prepared By: ERO	Project No. 12706
7/9/13	Figure No. 14

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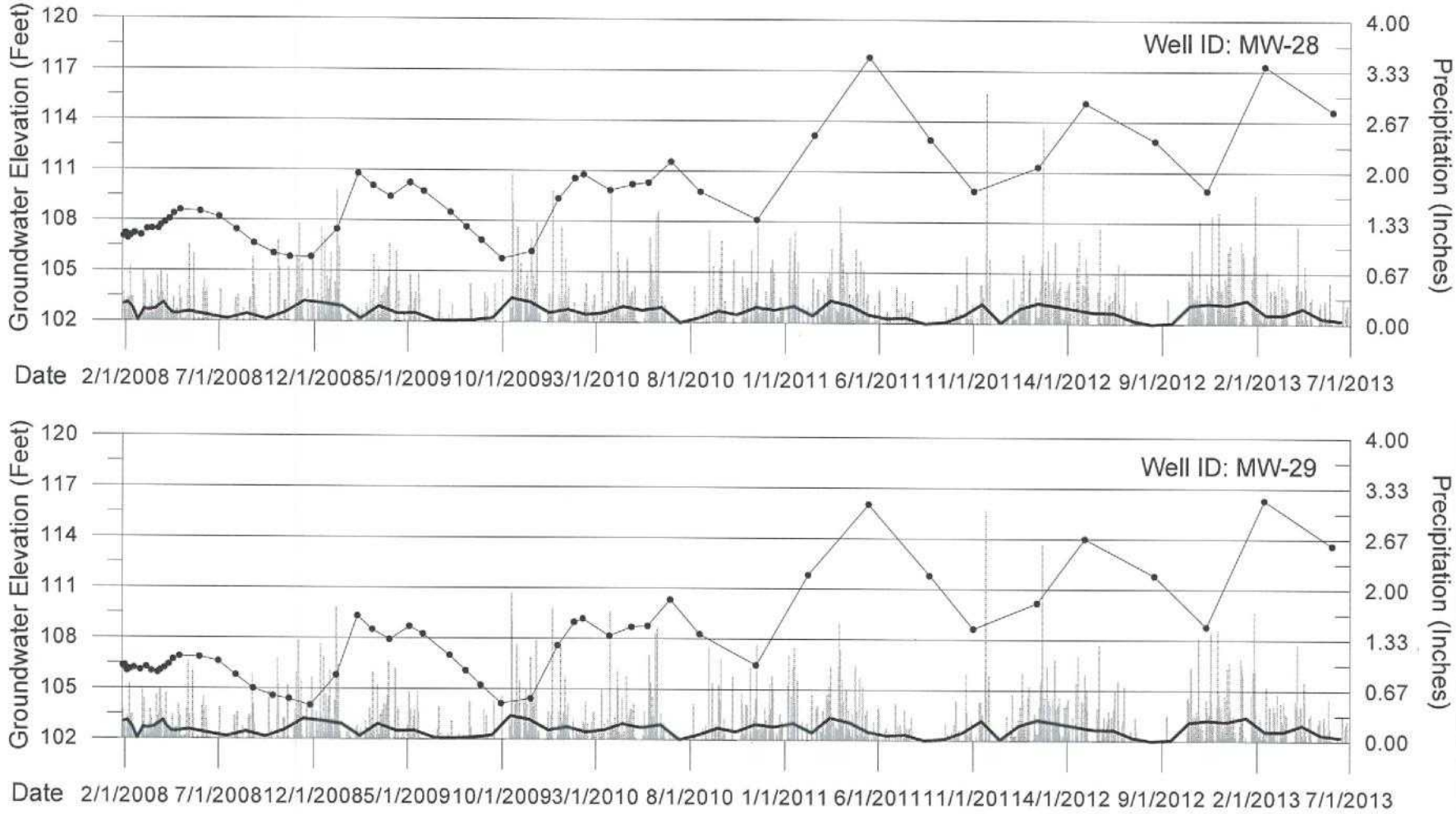

Notes:
1. Vertical datum is N.A.V.D 88.
2. Precipitation data source is the National Climatic Data Center (NCDC) Arlington, WA station (COOP ID: 450257).
3. Precipitation data include rain and/or melted snow.
4. Precipitation data from December 2010 through December 2011 are preliminary and are not final, quality-controlled data.
5. Precipitation is listed as zero for some unavailable June 2013 data points.

LEGEND
- Groundwater elevation time series
- Daily precipitation (inches)
- Average precipitation between groundwater measurements (inches/day)

amec

GROUNDWATER ELEVATION VERSUS TIME: WELLS MW-28 AND MW-29
Former J.H. Baxter and Co. Wood Treating Facility
Arlington, Washington

Prepared By: ERO	Project No. 12706
7/9/13	Figure No. 15

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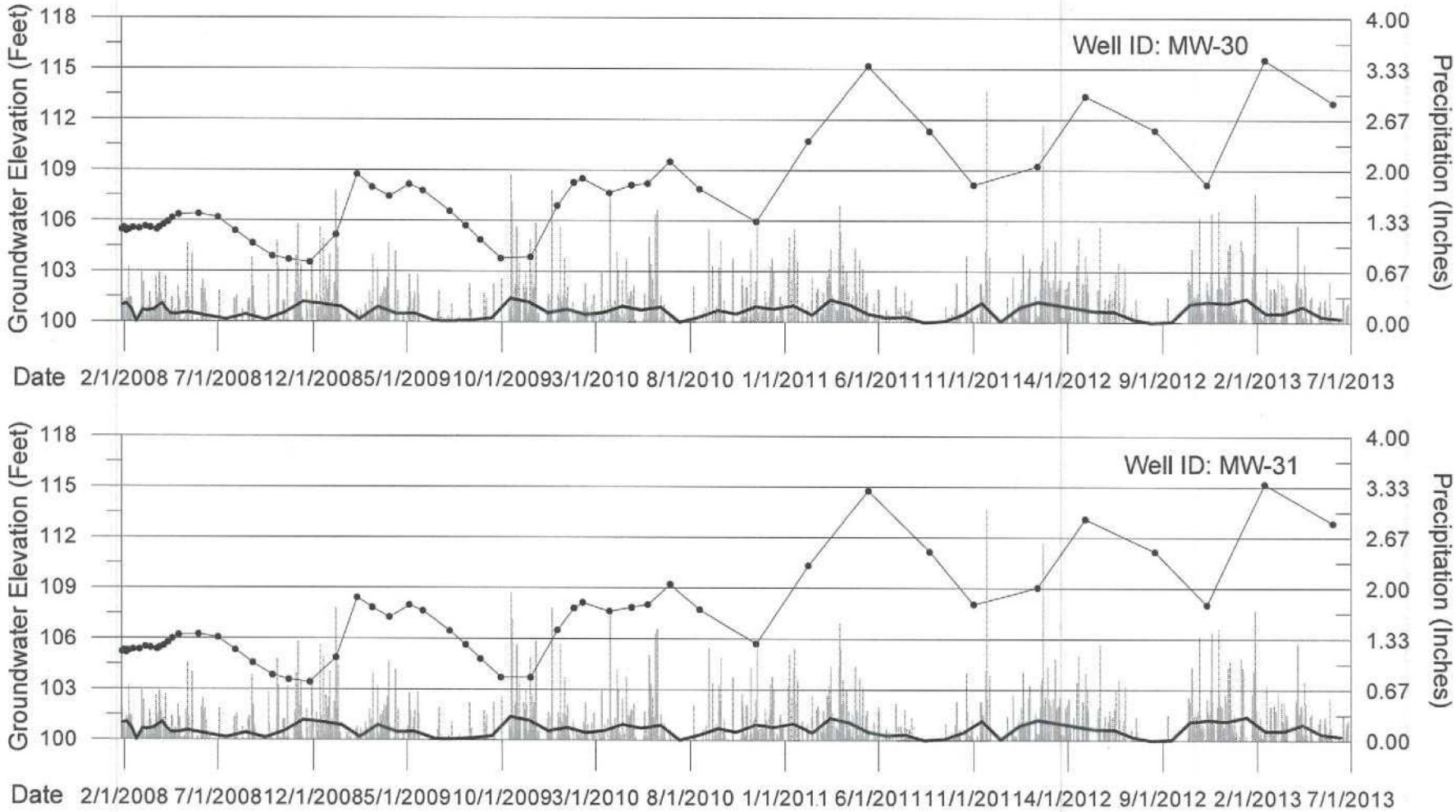

Notes:
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3. Precipitation data include rain and/or melted snow.
4. Precipitation data from December 2010 through December 2011 are preliminary and are not final, quality-controlled data.
5. Precipitation is listed as zero for some unavailable June 2013 data points.

LEGEND
- Groundwater elevation time series
- Daily precipitation (inches)
- Average precipitation between groundwater measurements (inches/day)

amec

GROUNDWATER ELEVATION VERSUS TIME: WELLS MW-30 AND MW-31
Former J.H. Baxter and Co. Wood Treating Facility
Arlington, Washington

Prepared By: ERO	Project No. 12706
7/9/13	Figure No. 16

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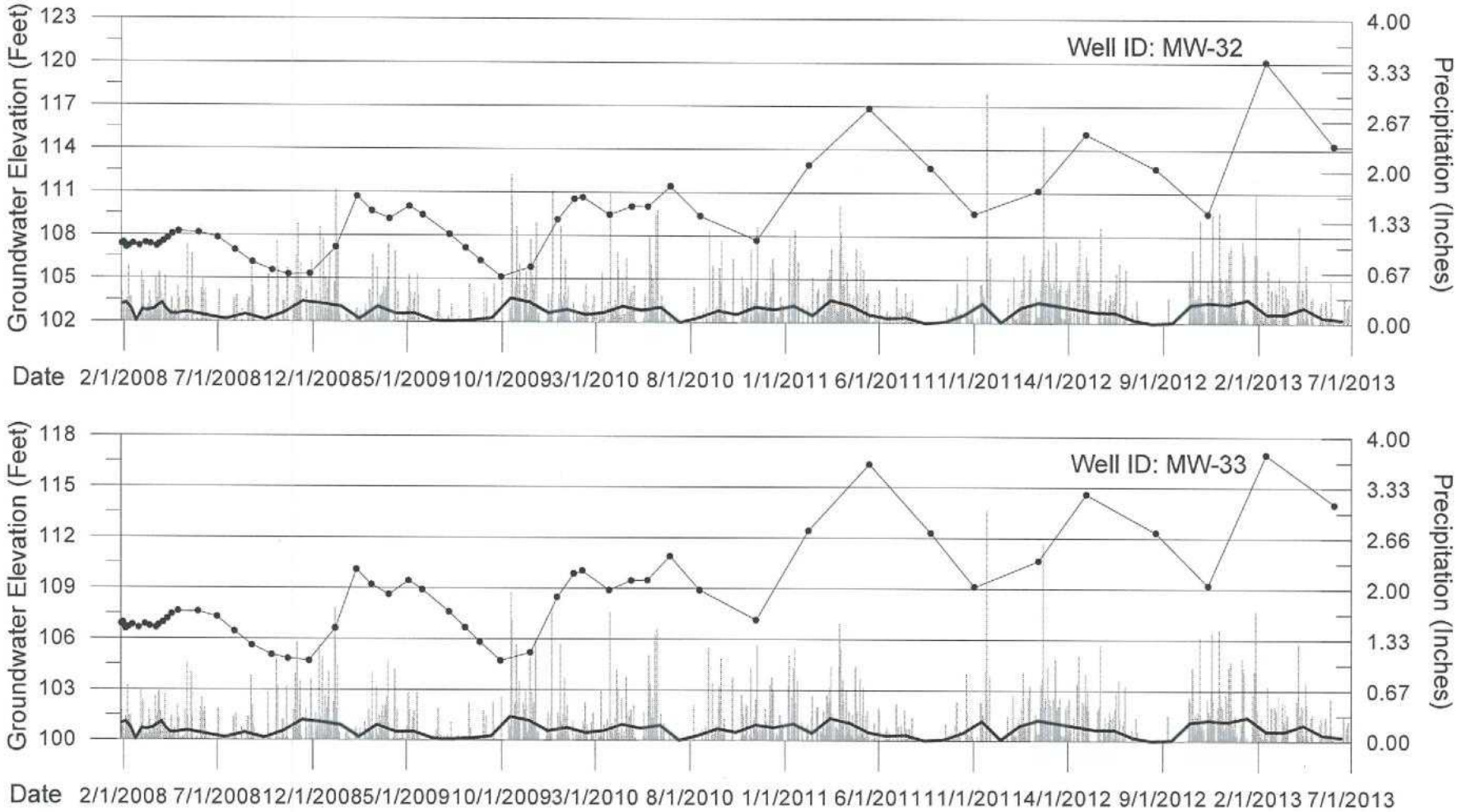

Notes:
1. Vertical datum is N.A.V.D 88.
2. Precipitation data source is the National Climatic Data Center (NCDC) Arlington, WA station (COOP ID: 450257).
3. Precipitation data include rain and/or melted snow.
4. Precipitation data from December 2010 through December 2011 are preliminary and are not final, quality-controlled data.
5. Precipitation is listed as zero for some unavailable June 2013 data points.

LEGEND
- Groundwater elevation time series
- Daily precipitation (inches)
- Average precipitation between groundwater measurements (inches/day)

amec

GROUNDWATER ELEVATION VERSUS TIME: WELLS MW-32 AND MW-33
Former J.H. Baxter and Co. Wood Treating Facility
Arlington, Washington

Prepared By: ERO	Project No. 12706
7/9/13	Figure No. 17

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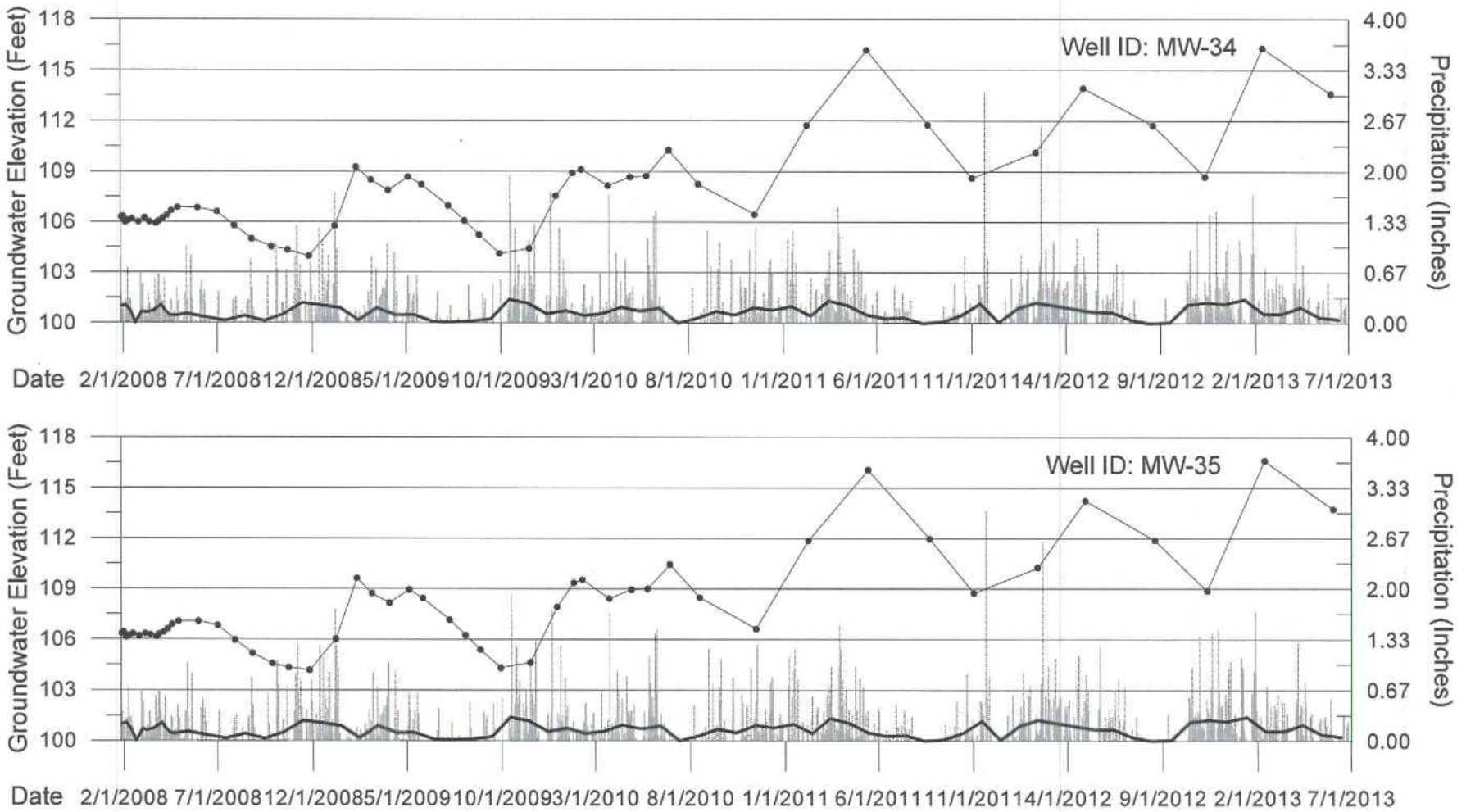

Notes:
1. Vertical datum is N.A.V.D 88.
2. Precipitation data source is the National Climatic Data Center (NCDC) Arlington, WA station (COOP ID: 450257).
3. Precipitation data include rain and/or melted snow.
4. Precipitation data from December 2010 through December 2011 are preliminary and are not final, quality-controlled data.
5. Precipitation is listed as zero for some unavailable June 2013 data points.

LEGEND
- Groundwater elevation time series
- Daily precipitation (inches)
- Average precipitation between groundwater measurements (inches/day)

amec

GROUNDWATER ELEVATION VERSUS TIME: WELLS MW-34 AND MW-35
Former J.H. Baxter and Co. Wood Treating Facility
Arlington, Washington

Prepared By: ERO	Project No. 12706
7/9/13	Figure No. 18

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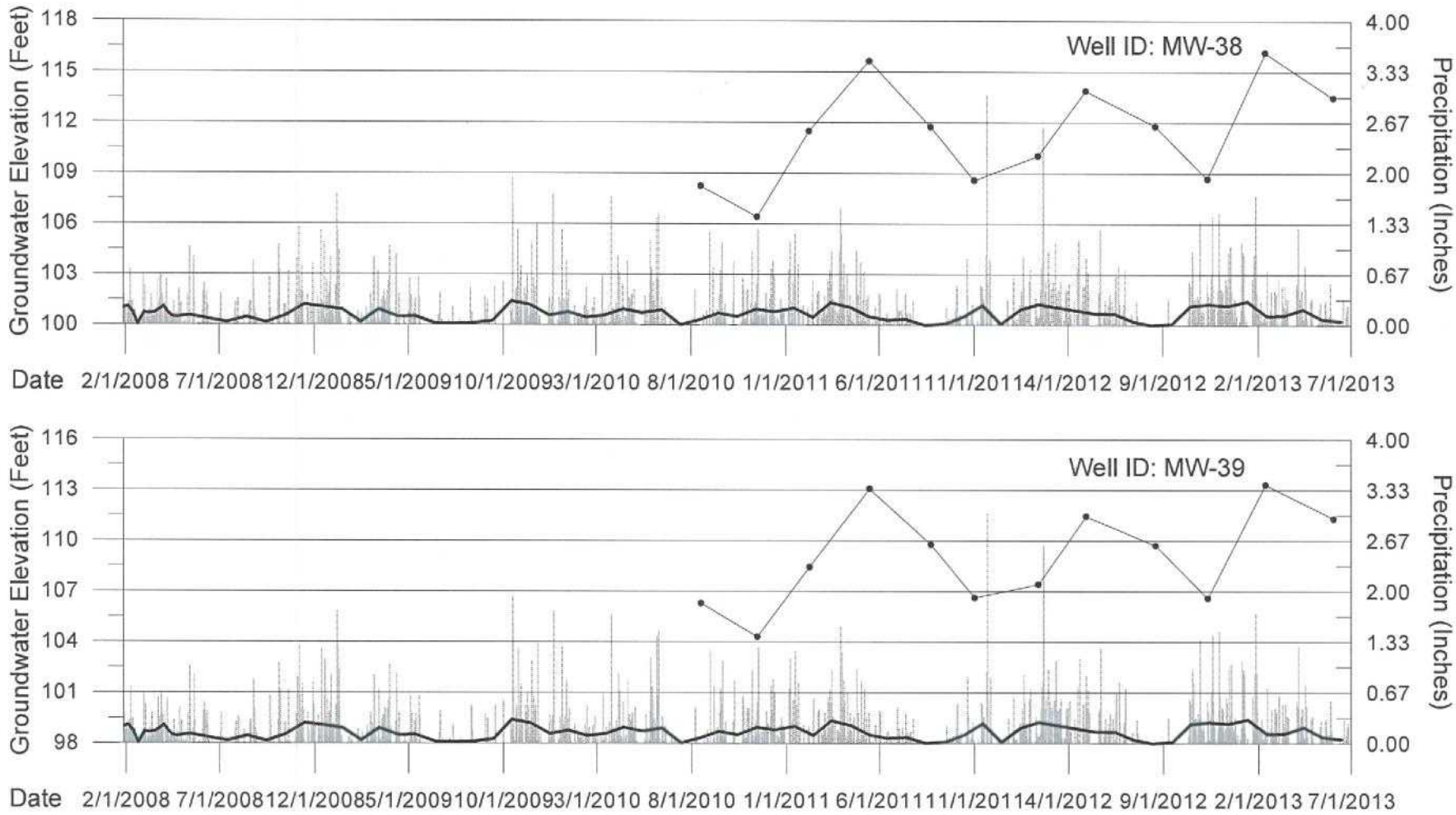

Notes:
1. Vertical datum is N.A.V.D 88.
2. Precipitation data source is the National Climatic Data Center (NCDC) Arlington, WA station (COOP ID: 450257).
3. Precipitation data include rain and/or melted snow.
4. Precipitation data from December 2010 through December 2011 are preliminary and are not final, quality-controlled data.
5. Precipitation is listed as zero for some unavailable June 2013 data points.

LEGEND
- Groundwater elevation time series
- Daily precipation (inches)
- Average precipitation between groundwater measurements (inches/day)

amec

GROUNDWATER ELEVATION VERSUS TIME: WELLS MW-38 AND MW-39
Former J.H. Baxter and Co. Wood Treating Facility
Arlington, Washington

Prepared By: ERO	Project No. 12706
7/9/13	Figure No. 20

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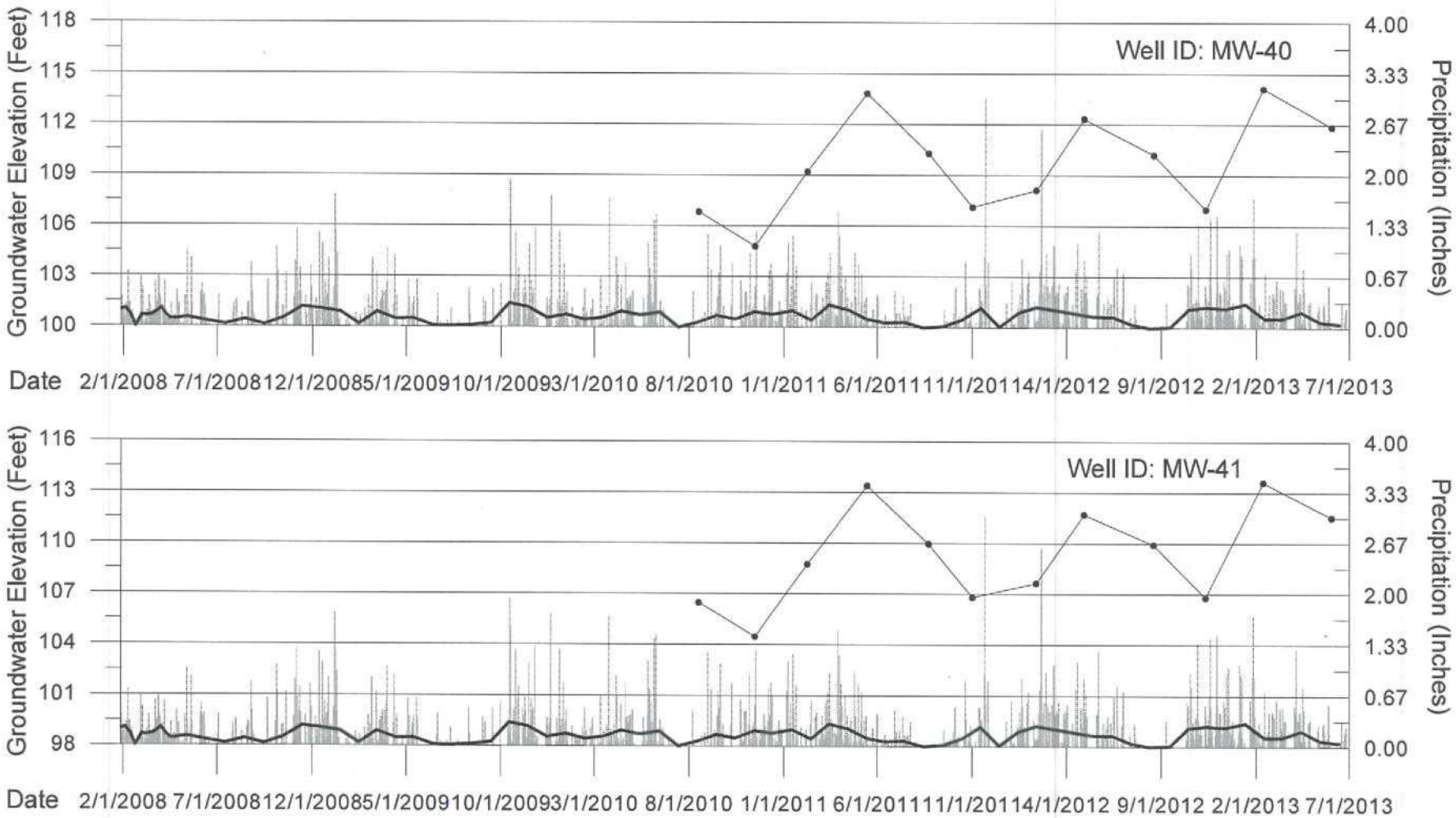

Notes:
1. Vertical datum is N.A.V.D 88.
2. Precipitation data source is the National Climatic Data Center (NCDC) Arlington, WA station (COOP ID: 450257).
3. Precipitation data include rain and/or melted snow.
4. Precipitation data from December 2010 through December 2011 are preliminary and are not final, quality-controlled data.
5. Precipitation is listed as zero for some unavailable June 2013 data points.

LEGEND
- Groundwater elevation time series
- Daily precipation (inches)
- Average precipitation between groundwater measurements (inches/day)

amec

GROUNDWATER ELEVATION VERSUS TIME: WELLS MW-40 AND MW-41
Former J.H. Baxter and Co. Wood Treating Facility
Arlington, Washington

Prepared By: ERO	Project No. 12706
7/9/13	Figure No. 21

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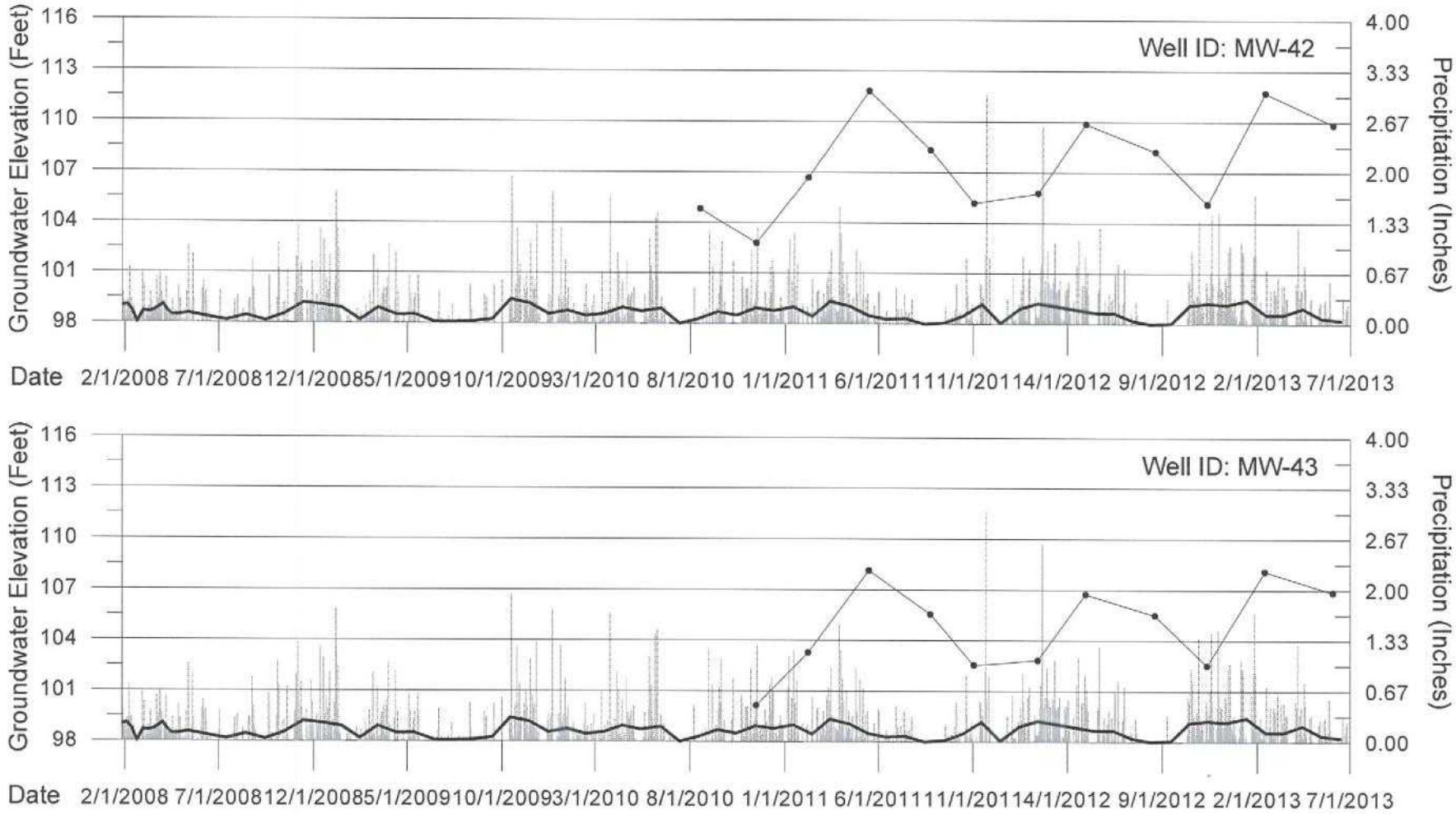

Notes:
1. Vertical datum is N.A.V.D 88.
2. Precipitation data source is the National Climatic Data Center (NCDC) Arlington, WA station (COOP ID: 450257).
3. Precipitation data include rain and/or melted snow.
4. Precipitation data from December 2010 through December 2011 are preliminary and are not final, quality-controlled data.
5. Precipitation is listed as zero for some unavailable June 2013 data points.

LEGEND
- Groundwater elevation time series
- Daily precipation (inches)
- Average precipitation between groundwater measurements (inches/day)

amec

GROUNDWATER ELEVATION VERSUS TIME: WELLS MW-42 AND MW-43
Former J.H. Baxter and Co. Wood Treating Facility
Arlington, Washington

Prepared By: ERO	Project No. 12706
7/9/13	Figure No. 22