American Environmental

December 9, 2016

Mr. Greg Waltz
Indiana Department of Environmental Management
LUST Section
100 North Senate Avenue
P.O. Box 6015
Indianapolis, Indiana 46206-6015

RE: Quarterly Monitoring Report (3rd quarter 2016)
Former Bigfoot #30
1559 East 10th Street
Jeffersonville, Indiana
IDEM Facility I.D. Number: 10441
IDEM Incident Number: 2005-12-505
American Environmental Corporation Project Number: J-254051

Dear Mr. Waltz:

On behalf of Mac's Convenience Stores, LLC (Mac's), American Environmental Corporation (American Environmental) is submitting the enclosed LUST Quarterly Monitoring Report for the facility referenced above. This Quarterly Report is being submitted to fulfill guidelines established by the Indiana Department of Environmental Management (IDEM) in the document, The Underground Storage Tank Rule, 329 IAC 9.

In preparing this report, American Environmental Corporation has applied generally acceptable professional practices and standards and has exercised its professional judgment, skills and care, in a manner consistent with that of other professionals performing similar work under similar conditions. All information, conclusions and recommendations contained in the report are necessarily governed by the site conditions and the scope of our engagement. American Environmental Corporation has made recommendations where it believes additional study or work is advisable and would bear upon the recommendations and conclusions herein. This warranty is in lieu of all other warranties, express or implied. American Environmental Corporation is not responsible for the independent conclusions, opinions or recommendations made by others, based upon the field exploration and laboratory data presented in this report.

If you have any questions or comments, please do not hesitate to contact us.

Sincerely,
AMERICAN ENVIRONMENTAL CORPORATION

Michael A. Hightchew, E.I.T.
Senior Project Engineer

Timothy J. Quinn, L.P.G.
Regional Manager

LUST QUARTERLY MONITORING

State Form XXXXX(XX-05)
329 IAC 9-5-7
Indiana Department of Environmental Management
Office of Land Quality
Leaking Underground Storage Tank Section

67-18
Indiana Department of Environmental Management
Leaking Underground Storage Tank Section
100 N. Senate Ave., Room 1101
Indianapolis, IN 46204-2251

INSTRUCTIONS:

1. This template is intended assist with the organization of the LUST Quarterly Corrective Action Progress Report (CAPR).

2. Depending on the nature of the project, some of the following sections or appendices may not be applicable. If this is the case do not leave the section blank, or omit or reorder the appendices. Instead enter "Not Applicable" or other explanation to indicate that the section does not apply or that information is not available, and why.

3. Ensure that text boxes are re-sized (as needed) in order to have all entered text visible.

4. Extra rows can be added to data entry tables (as needed) by copying the previous row and pasting it into the blank row beneath. Note, do not use the <Insert Row> function as it does not always maintain the original formatting of the table.

For Reporting Period Beginning **July 1, 2016** and Ending **September 30, 2016**

Facility Name:	Former Bigfoot #30
IDEM Project Manager:	Greg Walz

Facility ID:	10441
Incident #:	2005-12-505

	Guidance
☐	1994 UST Branch Guidance Manual
☑	RISC Default
☐	RISC Non-default

	Reporting Type
☐	Approved CAP
☑	Per IDEM Project Manager Request

Facility and Responsible Party Information		**Consultant Information**	
Site Name:	Former Bigfoot #30	Company Name:	American Environmental Corporation
Site Address:	1559 East 10th Street	Project Manager:	Michael A. Hightchew
City, State, Zip Code:	Jeffersonville, IN 47130	Office Address:	9127 Galene Drive
County:	Clark	Suite Number:	Suite D
Responsible Party:	Mac's Convenience Stores LLC	City, State, Zip Code:	Louisville, KY 40299
Contact Person:	Mr. Matt Jordan	Phone Number:	502-491-0144
Phone Number:	812-379-9227	Fax Number:	502-491-9271

Contaminants (check all that apply)			
☑	Gasoline	☑	Kerosene
☑	MTBE	☐	Virgin Hydrocarbon Oil
☑	Diesel	☐	Jet Fuel
☐	Waste Oil	☐	Hazardous

Corrective Action (check all that apply)			
☐	Pump and Treat	☐	Plume Stability
☐	Vapor Extraction	☐	MNA
☐	Air Sparging	☐	Excavation
☐	MPE / DPE	☐	Other

Affected Media (check all that apply)			
☑	Soil	☑	Groundwater

Signature

Please note, per 329 IAC 9-5-7, this document must be signed by one of the following professionals registered in the State of Indiana: 1) Professional Engineer, 2) Licensed Professional Geologist, 3) Certified Hazardous Materials Manager, or 4) Professional Soil Scientist.

Timothy J. Quinn

12/9/2016 (signature and date)

Timothy J. Quinn, LPG #1593 (printed name with Indiana professional registration indicated)

2.0 Summary of Quarterly Remediation Activities

2.1 Summary of Engineered Remediation System Operation *(if applicable)*
Indicate the type of system, dates of operation, and state if (and how long) the system was inoperable during the reporting period. Any laboratory analytical data generated during this reporting period related to the operation of the remediation system (i.e., influent/effluent sampling, emissions data) should be included in **APPENDIX A**.
Not Applicable

2.2 Groundwater Recovered *(if applicable)*		Groundwater Treated *(if applicable)*	
Ground Water Recovered During Reporting Period (gallons)	Not Applicable	**Ground Water Treated During Reporting Period (gallons)**	Not Applicable
Cumulative Total of Groundwater Recovered over Lifetime of System Operation (gallons)	Not Applicable	**Cumulative Total of Ground Water Treated over Lifetime of System Operation (gallons)**	Not Applicable
Final Disposition (i.e., disposal or discharge)	Not Applicable	**Final Disposition (i.e., disposal or discharge)**	Not Applicable

2.3 Free Product Recovered *(if applicable)*		2.4 Pounds VOCs Removed *(if applicable)*	
Free Product Recovered During Reporting Period (gallons)	Not Applicable	**VOCs removed (pounds) During Reporting Period**	Not Applicable
Cumulative Total of Free Product Recovered over Lifetime of System Operation (gallons)	Not Applicable	**Cumulative Total of VOCs Removed over Lifetime of System Operation (pounds)**	Not Applicable
Final Disposition	Not Applicable	**Indicate whether VOC emissions were treated or discharged directly into the atmosphere**	Not Applicable

2.5 ORC Application *(if applicable)*			
*All injection point locations should be included on **FIGURE 4***			
Number of Injection Points or Excavation Dimensions	Not Applicable	**Total Pounds ORC Applied This Reporting Period**	Not Applicable
Pounds of ORC per Injection Point or per Excavation	Not Applicable	**Cumulative Total of ORC Applied over Lifetime of Remediation Activity (pounds)**	Not Applicable

2.6 Soil Removal *(if applicable)*			
Excavation boundaries should be included on **FIGURE 4**. A table summarizing confirmatory soil sampling should be included (along with supporting laboratory data and chain-of-custody documentation and disposal receipts) in **APPENDIX A**. Please Note: For the purposes of ELTF Reimbursement the conversion factor for cu yds to tons is 1 cu yd = 1.36 tons			
Soil in Tons/Cubic Yards Removed During this Reporting Period	Not Applicable	**Date Removed**	Not Applicable
Cumulative Amount of Soil Removed to Date at this Facility as Part of Corrective Actions (tons)	Not Applicable		

2.7 Monitored Natural Attenuation (MNA)/Plume Stability *(if applicable)*
Indicate the length of time that MNA or Plume Stability monitoring has been occurring at this facility. Any data supporting a decreasing contaminant trend should be discussed in this section and included in **APPENDIX A**. All calculations supporting a default or non-default RISC demonstration of Plume Stability should be discussed in this section and included in **APPENDIX A**.
MNA parameters Hydrogen Sulfide (H2S), Soluble Ferrous Iron (Fe2+) and Dissolved Oxygen (DO) were collected from the on- and off-site monitoring wells on September 20, 2016. This is the 23rd quarter that MNA monitoring has occurred at this site. MNA parameters are included in Appendix A. The benzene concentration increased in montitoring wells MW-8, MW-11 and MW-16 and decreased in MW-10 and MW-18 decreased this quarter. The benzene concentration in MW-8 has fluctuated since sampling began. The benzene concentration has fluctuated in MW-11 since sampling began although the benzene concentration has remained relatively steady for 25 consecutive quarters. Trend charts depicting benzene concentrations over time for wells MW-8, MW-10, MW-11, MW-16 and MW-18 are provided in Appendix A.

3.0 Current Site Conditions

3.1 Soil

Provide any soil data collected during the reporting period. Tables have been provided at the end of this form.

Please include the following:
TABLE 1—Soil Analytical Data
FIGURE 1—Most Recent Soil Analytical Data on site map

All soil data should be reported in parts per million (ppm). Laboratory and supporting chain-of-custody documentation should be included in **APPENDIX B**. Historical soil analytical results should be summarized and included in table format in **APPENDIX C**.

Note: MS/MSD samples are not required during corrective action monitoring activities unless otherwise directed by IDEM staff. However, prior to requesting site closure (during confirmatory soil and ground water sampling) an MS/MSD sample (for all affected media) will be required. Exceptions may be made on a site-specific basis for facilities that demonstrated soil concentrations below the applicable IDEM action levels prior to the implementation of IDEM's Minimum Data Documentation Requirements. IDEM requests that, in addition to the required hardcopy reports, all sampling results are submitted electronically to LeakingUST@idem.in.gov. Guidance on formatting sampling results for electronic submittal is posted at www.in.gov/idem/land/lust/electronicreporting.html.

Not Applicable

3.2 Groundwater

Provide the most recent groundwater data available for the subject site. Tables have been provided at the end of this form.

Please include the following:
TABLE 2—Groundwater Elevations
TABLE 3—Groundwater Analytical Results
FIGURE 2—Most Recent Groundwater Analytical Data on site map
FIGURE 3—Groundwater Contour Map indicating groundwater flow direction

All groundwater data should be reported in parts per billion (ppb). Laboratory and supporting chain-of-custody documentation should be included in **APPENDIX B**. Historical groundwater analytical results should be summarized and included in table format in **APPENDIX C**.

Note: MS/MSD samples are not required during corrective action monitoring activities unless otherwise directed by IDEM staff. However, prior to requesting site closure (during confirmatory soil and ground water sampling) an MS/MSD sample (for all affected media) will be required. Exceptions may be made on a site-specific basis for facilities that demonstrated groundwater concentrations below the applicable IDEM action levels prior to the implementation of IDEM's Minimum Data Documentation Requirements. IDEM also requests that, in addition to the required hardcopy reports, all
sampling results are submitted electronically to LeakingUST@idem.in.gov. Guidance on formatting sampling results for electronic submittal is posted at www.in.gov/idem/land/lust/electronicreporting.html.

American Environmental gauged 20 monitoring wells and collected groundwater samples from 10 monitoring wells on September 20, 2016. All samples were submitted to ESC, located in Mt. Juliet, TN, for analysis of BTEX, MTBE, cPAH, lead and Naphthalene. The laboratory analytical results are included in Appendix B. The most recent groundwater analytical results are summarized in Table 3 and on Figures 2 and 3. Static water level measurements were recorded to the nearest 0.01 of a foot with an electronic water level indicator and groundwater elevations were calculated. The groundwater elevations are summarized in Table 2. The groundwater contour map indicating flow direction is shown in Figure 4. Historical groundwater elevation and laboratory analytical results are summarized in Appendix C.

The QA/QC evaluation revealed the following:
· The laboratory control samples were within laboratory acceptance limits.
· Surrogate spike recoveries were within the USEPA acceptance limits in all samples.
· No analytes were detected above the laboratory reporting limits in the trip blank.
· RPDs were calculated for analytes detected in both the MW-8 sample and the duplicate sample from MW-8.
The RPD for benzene was calculated to be 11.4%. This difference is acceptable based on the methodologies employed.
· All samples were analyzed within the USEPA holding times.

4.0 Conclusions

Briefly summarize all remediation activities that occurred at this facility during the most recent reporting period. Provide an estimate of the work that will be performed during the upcoming reporting period.

American Environmental gauged 20 monitoring wells and collected groundwater samples from 10 monitoring wells on June 21, 2016. All samples were submitted to ESC, located in Mt. Juliet, TN, for analysis of BTEX, MTBE, total lead, cPAH, and Naphthalene. MW-18 was not sampled inadvertantly.

During the most recent groundwater sampling event, benzene was detected above the RISC commercial default closure level (CDCL) for on site wells MW-8, MW-11 and MW-16. Benzene was detected below the CDCL in MW-10. Toluene was detected below the RDCL in MW-8 and MW-11. Ethylbenzene was detected below the RDCL in MW-8, MW-10, MW-11 and MW-16. Xylenes were detected below the RDCL in MW-8, MW-10 and MW-11. MTBE was detected below the RDCL in MW-1, MW-8, MW-10, MW-11, MW-16, MW-19 and MW-21.

The cPAH constituent naphthalene was detected below the RDCL in monitoring wells MW-1, MW-8, MW-10, MW-11, MW-13, MW-15, MW-16, MW-19 and MW-21.

This is the fifth quarterly groundwater monitoring event per the IDEM Closure Strategy Approval letter dated March 9, 2015. American Environmental submitted a CAP on May 19, 2008 and IDEM responded with a CAP Review letter dated August 26, 2008 indicating further review was necessary. American Environmental met with IDEM to discuss the project on November 25, 2008. IDEM then responded with a letter dated December 12, 2008 requesting another technology be recommended. American Environmental submitted a CAPA dated March 11, 2009. IDEM issued a CAP Review and IDEM Request for revised CAP dated May 26, 2009. American Environmental submitted a CAPA dated August 13, 2009. IDEM responded by letter dated October 27, 2009 stating an additional four quarters should be performed and then a new CAPA should be submitted. IDEM added MNA parameters to the COCs. American Environmental submitted a Status Review and CAPA dated December 10, 2010. IDEM requested by e-mail a cost estimate for ORC injections. American Environmental responded to the request on June 5, 2011. American Environmental met with the IDEM on September 7, 2011 to discuss the CAPA and submitted a Revised CAP Addendum dated October 19, 2011. IDEM responded with a CAPA Denial and Site Characterization Approval Suspension letter dated February 21, 2012. American Environmental submitted the FSI Report/ISC Approval Request dated June 14, 2012. IDEM responded with a FSI request dated October 26, 2012. American Environmental submitted an FSI/CAPA Approval Request dated February 27, 2013. IDEM responded with a Site Characterization Approval and Request for Continued Quarterly Monitoring dated April 29, 2013. IDEM approved the Closure Strategy of EAS injection by letter dated March 9, 2015. American Environmental was approved for the additonal analyses required to determine if the Electron Acceptor Solution injection was feasable in the area of MW-18. American Environmental submitted a Corrective Action Plan Addendum dated August 19, 2016.

5.0 Required Table Formats

Table 2. Groundwater Elevations 9/20/2016				
Monitoring Well ID	Top of Casing Elevation (ft)	Depth to Groundwater (ft)*	Free Product Thickness (ft)	Groundwater Elevation (ft)
MW-1	99.01	8.46	0	90.55
MW-2	98.14	7.75	0	90.39
MW-3	98.25	7.91	0	90.34
MW-4	98.33	7.94	0	90.39
MW-5	98.72	6.40	0	92.32
MW-6	100.63	10.30	0	90.33
MW-7	100.61	10.30	0	90.31
MW-8	100.38	10.04	0	90.34
MW-9	Destroyed			
MW-10	99.96	9.58	0	90.38
MW-11	100.00	9.83	0	90.17
MW-12	99.61	9.28	0	90.33
MW-13	99.79	9.45	0	90.34
MW-14	99.66	9.28	0	90.38
MW-15	98.12	7.85	0	90.27
MW-16	100.18	9.67	0	90.51
MW-17	99.19	8.80	0	90.39
MW-18	100.24	9.96	0	90.28
MW-19	99.14	8.87	0	90.27
MW-20	99.08	7.77	0	91.31
MW-21	99.62	9.25	0	90.37

Measured from top of casing

Table 3. Groundwater Analytical Results 9/20/2016														
Well ID	CONTAMINANTS OF CONCERN (COC) all units in µg/l													
	Benzene	Toluene	Ethyl-benzene	Xylenes	MTBE	Naphthalene	Benzo(a) anthracene	Benzo(a) pyrene	Benzo(b) fluoranthene	Benzo(k) fluoranthene	Chrysene	Dibenzo(a,h) anthracene	Indeno(1,2,3-cd) pyrene	Lead
MW-1	<0.5	<5	<0.5	<1.5	<1	<0.25	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	*7.9*
MW-2*	Not Sampled per IDEM Request													
MW-3*														
MW-4*														
MW-5*														
MW-6														
MW-7														
MW-8	**602**	<25	31.3	62.9	<5	4.41	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	*18.9*
MW-9	DESTROYED BY NEARBY SANITARY SEWER CONSTRUCTION													
MW-10	*24.7*	<5	1.71	4.95	33.5	1.57	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	*7.21*
MW-11	**364**	<25	30.2	21.7	30.5	*16.5*	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	*6.88*
MW-12	Not Sampled per IDEM Request													
MW-13	<0.5	<5	<0.5	<1.5	<1	<0.25	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	*<5*
MW-14	Not Sampled per IDEM Request													
MW-15*	Not Sampled													
MW-16	**68**	<5	1.47	2.64	6.62	4.94	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	*<5*
MW-17	<0.5	<5	<0.5	<1.5	<1	<0.25	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	*7.75*
MW-18	**62.7**	10.6	2.48	12.7	7.34	1.53	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	*5.7*
MW-19*	<0.5	<5	<0.5	<1.5	2.64	<0.5	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	*14.3*
MW-20*	Not Sampled per IDEM Request													
MW-21	<0.5	<5	<0.5	<1.5	2.19	<0.25	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	*15*
FD (MW-8)	**673**	45.6	28.4	58.8	33	4.23	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	*5.47*
CDCL	**52**	**8,200**	**10,000**	**20,000**	**720**	**2,000**	**3.9**	**0.39**	**3.9**	**39**	**390**	**0.39**	**3.9**	**42**
RDCL	*5*	*1,000*	*700*	*10,000*	*40*	*8.3*	*1.2*	*0.2*	*1.2*	*12*	*120*	*0.12*	*1.2*	*1.5*

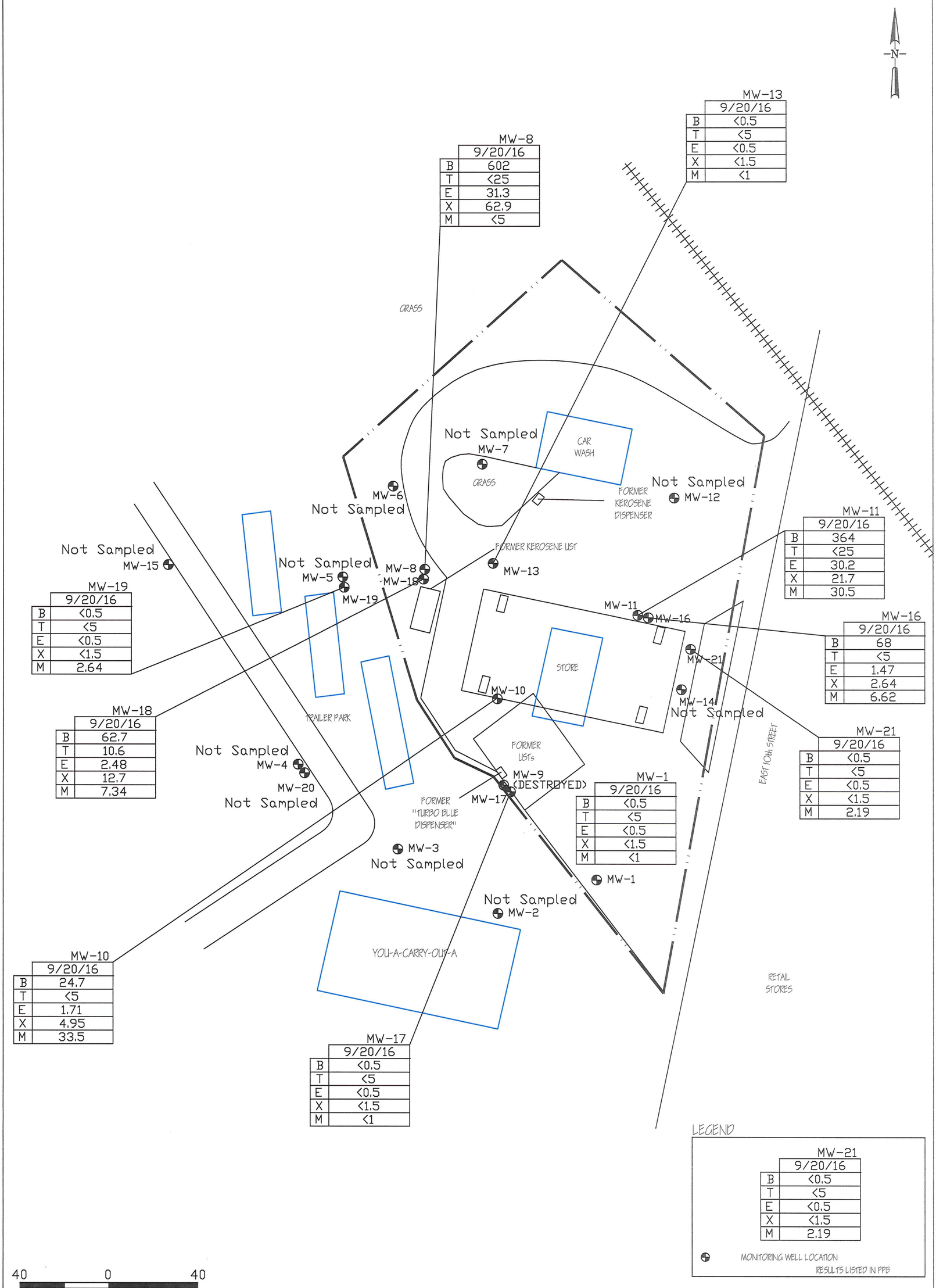
Bold = COC concentration greater than the 2006 RISC CDCL Cleanup Objective

Italics = COC concentration greater than the 2006 RISC RDCL Cleanup Objective

* = off-site well / FD = field duplicate

** = offsite well concentration greater than the 2006 RISC RDCL Cleanup Objective

MNA Parameters Former Bigfoot #30 Concentrations in parts per million, ppm				
Location	**Date**	**Dissolved Oxygen (DO)**	**Hydrogen Sulfide (H_2S)**	**Soluble Ferrous Iron (Fe^{2+})**
MW-1	9/20/2016	8.99	0.00	1.2
MW-2 (off-site)	9/20/2016	Not Sampled per IDEM Request		
MW-3 (off-site)	9/20/2016			
MW-4 (off-site)	9/20/2016			
MW-5 (off-site)	9/20/2016			
MW-6	9/20/2016			
MW-7	9/20/2016			
MW-8	9/20/2016	0.55	0.0	5.9
MW-9	9/20/2016	Destroyed by Nearby Sanitary Sewer Construction		
MW-10	9/20/2016	0.92	0.0	8.2
MW-11	9/20/2016	1.20	0.0	5.8
MW-12	9/20/2016	Not Sampled per IDEM Request		
MW-13	9/20/2016	2.60	0.0	0.0
MW-14	9/20/2016	Not Sampled per IDEM Request		
MW-15 (off-site)	9/20/2016	Not Sampled		
MW-16	9/20/2016	8.22	0.0	2.8
MW-17	9/20/2016	12.23	0.0	2.6
MW-18	9/20/2016	12.36	0.00	3.00
MW-19 (off-site)	9/20/2016	14.55	0.00	2.2
MW-20 (off-site)	9/20/2016	3.12	0.00	2.40
MW-21	9/20/2016	11.36	0.00	2.8
NS: Not Sampled due to insufficient volume of water in well				



American Environmental

Corporate Office
Indianapolis, Indiana
(317) 871-4090

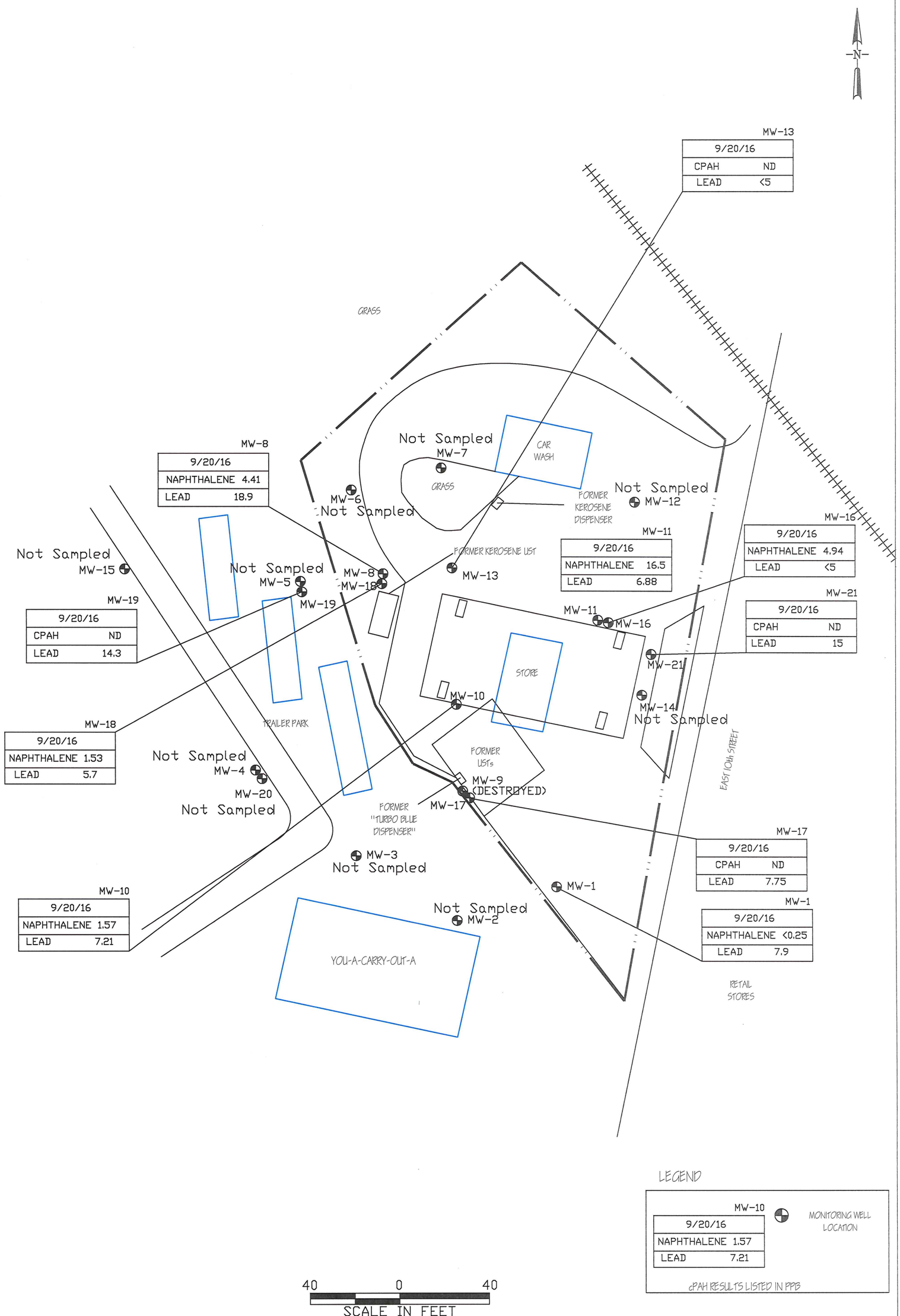
Regional Office
Louisville, Kentucky
(502) 491-0144

Regional Office
Springfield, Illinois
(217) 585-9517

GROUNDWATER BTEXM RESULTS, 9/20/2016 BIGFOOT #30

1559 EAST TENTH STREET
JEFFERSONVILLE, INDIANA

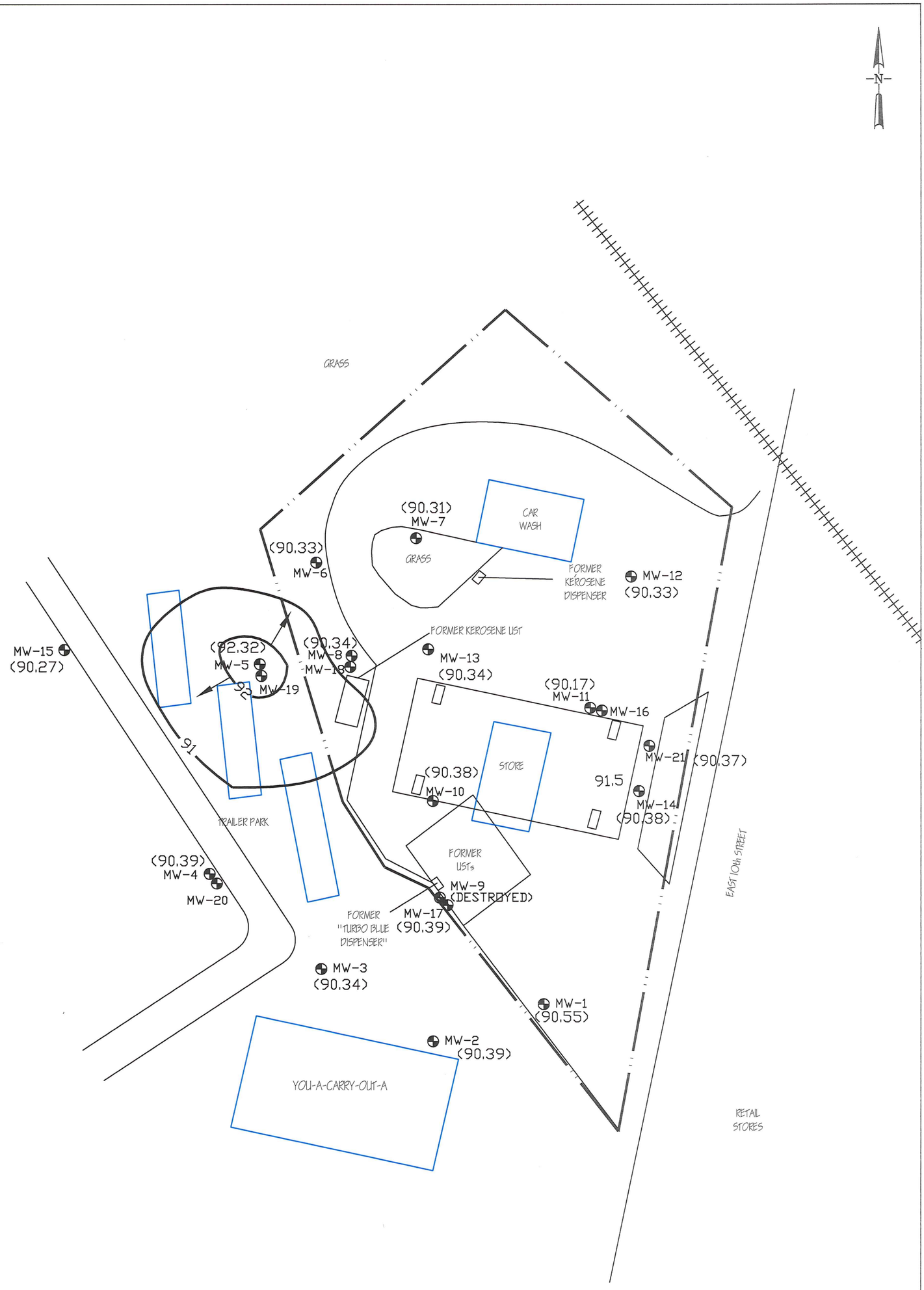
Project No.: 254051	SCALE: AS SHOWN
Drawing File: 254051	FIGURE: 2
Date: 11/30/2016	



American Environmental
Corporate Office Indianapolis, Indiana (317) 871-4090
Regional Office Louisville, Kentucky (502) 491-0144
Regional Office Springfield, Illinois (217) 585-9517

GROUNDWATER cPAH RESULTS& LEAD 9/ 20/ 2016
BIGFOOT #30
1559 EAST TENTH STREET
JEFFERSONVILLE, INDIANA

Project No.: 254051	SCALE: AS SHOWN
Drawing File: 254051	FIGURE: 3
Date: 11/30/2016	



American Environmental
Corporate Office
Indianapolis, Indiana
(317) 871-4090
Regional Office
Louisville, Kentucky
(502) 491-0144
Regional Office
Springfield, Illinois
(217) 585-9517

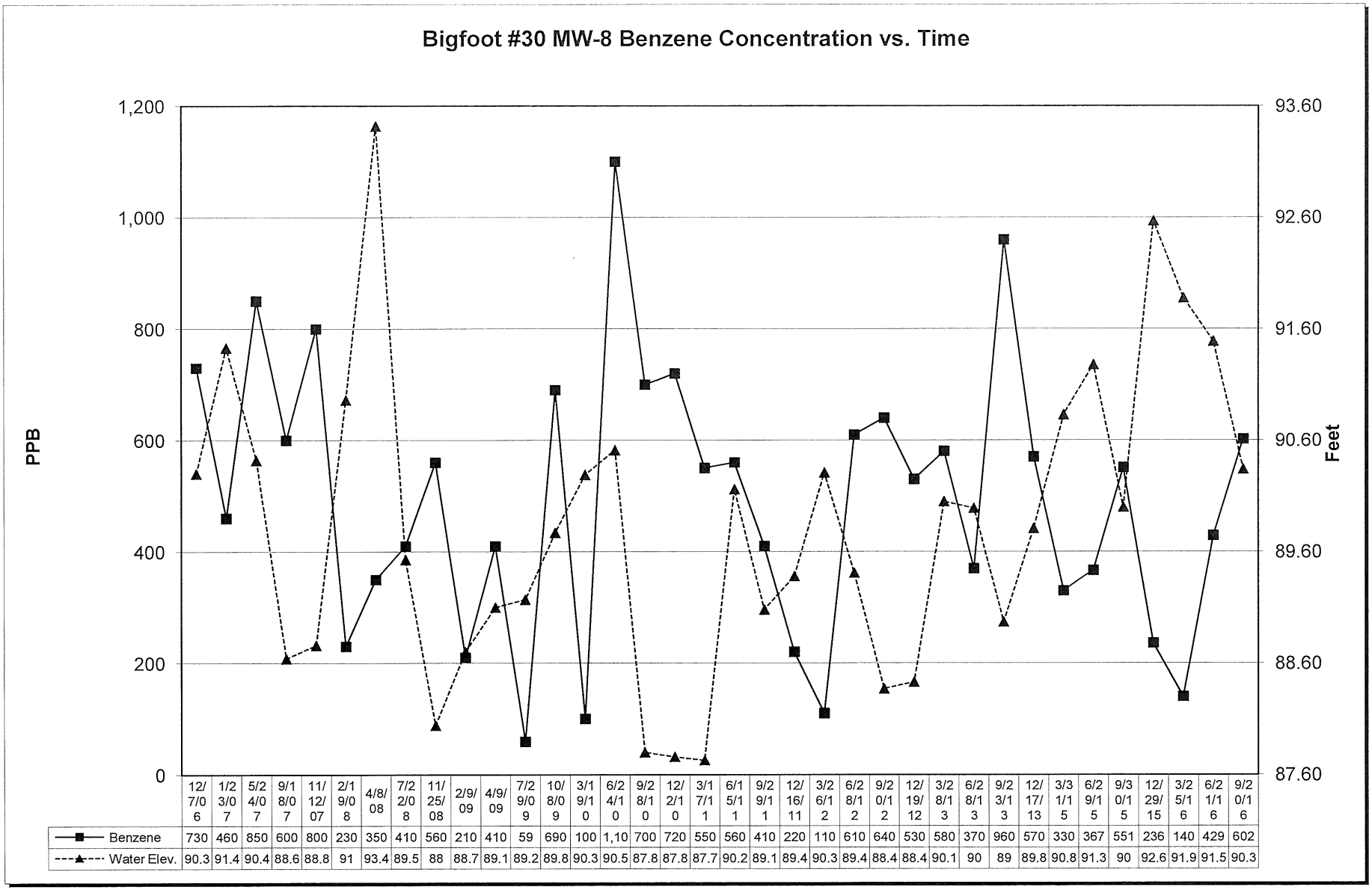
POTENTIOMETRIC MAP 9/20/2016
BIGFOOT #30
1559 EAST TENTH STREET
JEFFERSONVILLE, INDIANA

Project No.: 254051	SCALE: AS SHOWN
Drawing File: 254051	FIGURE: 4
Date: 11/30/2016	

APPENDIX A

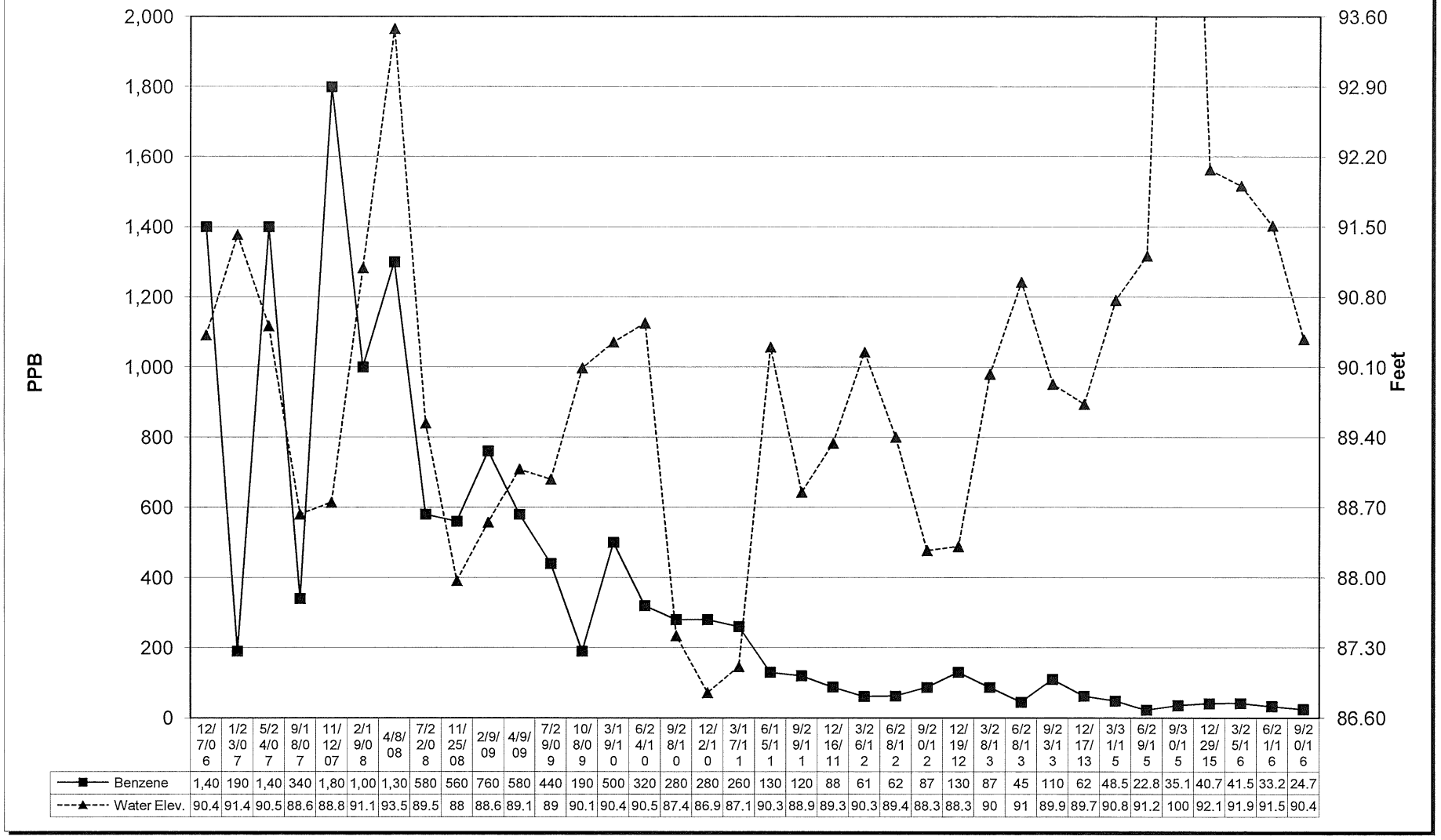
Remediation System Data (Not Applicable)
Influent/Effluent Laboratory Analytical Results (Not Applicable)
Air Laboratory Analytical Results (Not Applicable)
Air Calculation Spreadsheet (Not Applicable)
Monitored Natural Attenuation/Plume Stability
Trend Charts

Bigfoot #30 MW-8 Benzene Concentration vs. Time

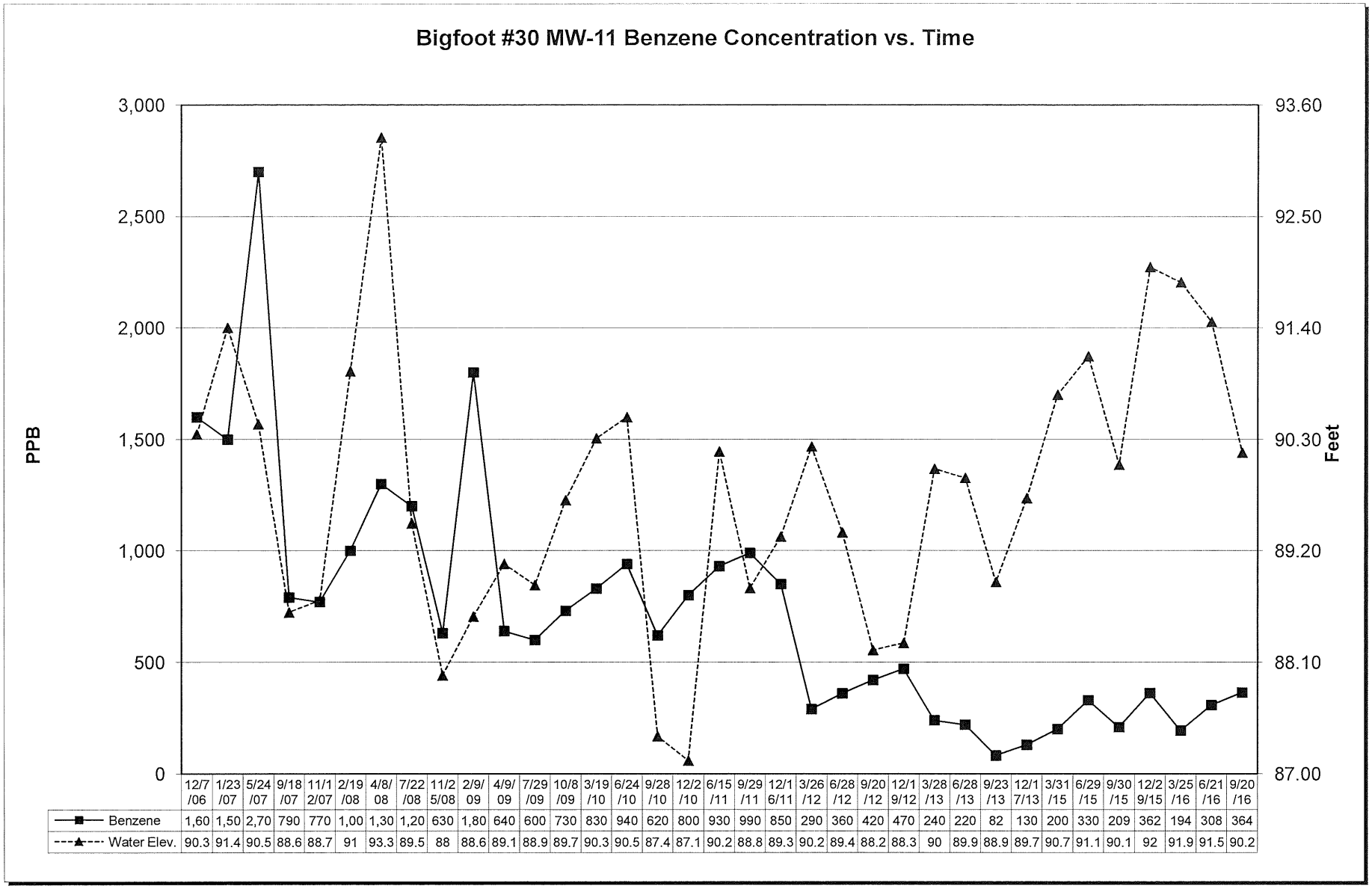


	12/7/06	1/23/07	5/24/07	9/18/07	11/12/07	2/19/08	4/8/08	7/22/08	11/25/08	2/9/09	4/9/09	7/29/09	10/8/09	3/19/10	6/24/10	9/28/10	12/2/10	3/17/11	6/15/11	9/29/11	12/16/11	3/26/12	6/28/12	9/20/12	12/19/12	3/28/13	6/28/13	9/23/13	12/17/13	3/31/15	6/29/15	9/30/15	12/29/15	3/25/16	6/21/16	9/20/16
Benzene	730	460	850	600	800	230	350	410	560	210	410	59	690	100	1,10	700	720	550	560	410	220	110	610	640	530	580	370	960	570	330	367	551	236	140	429	602
Water Elev.	90.3	91.4	90.4	88.6	88.8	91	93.4	89.5	88	88.7	89.1	89.2	89.8	90.3	90.5	87.8	87.8	87.7	90.2	89.1	89.4	90.3	89.4	88.4	88.4	90.1	90	89	89.8	90.8	91.3	90	92.6	91.9	91.5	90.3

Bigfoot #30 MW-10 Benzene Concentration vs. Time

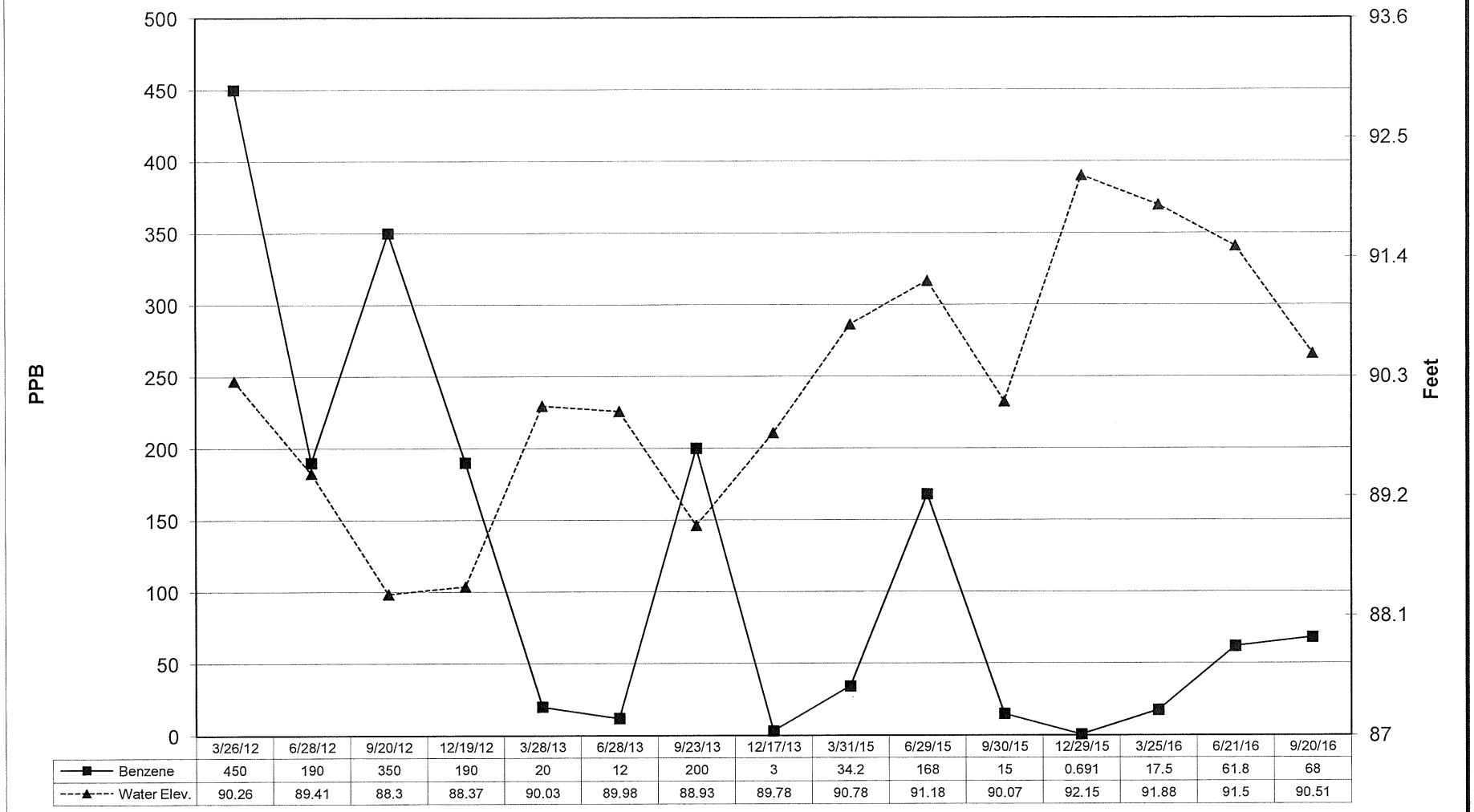


	12/7/06	1/23/07	5/24/07	9/18/07	11/12/07	2/19/08	4/8/08	7/22/08	11/25/08	2/9/09	4/9/09	7/29/09	10/8/09	3/19/10	6/24/10	9/28/10	12/2/10	3/17/11	6/15/11	9/29/11	12/16/11	3/26/12	6/28/12	9/20/12	12/19/12	3/28/13	6/28/13	9/23/13	12/17/13	3/31/15	6/29/15	9/30/15	12/29/15	3/25/16	6/21/16	9/20/16
Benzene	1,400	190	1,400	340	1,800	1,000	1,300	580	560	760	580	440	190	500	320	280	280	260	130	120	88	61	62	87	130	87	45	110	62	48.5	22.8	35.1	40.7	41.5	33.2	24.7
Water Elev.	90.4	91.4	90.5	88.6	88.8	91.1	93.5	89.5	88	88.6	89.1	89	90.1	90.4	90.5	87.4	86.9	87.1	90.3	88.9	89.3	90.3	89.4	88.3	88.3	90	91	89.9	89.7	90.8	91.2	100	92.1	91.9	91.5	90.4



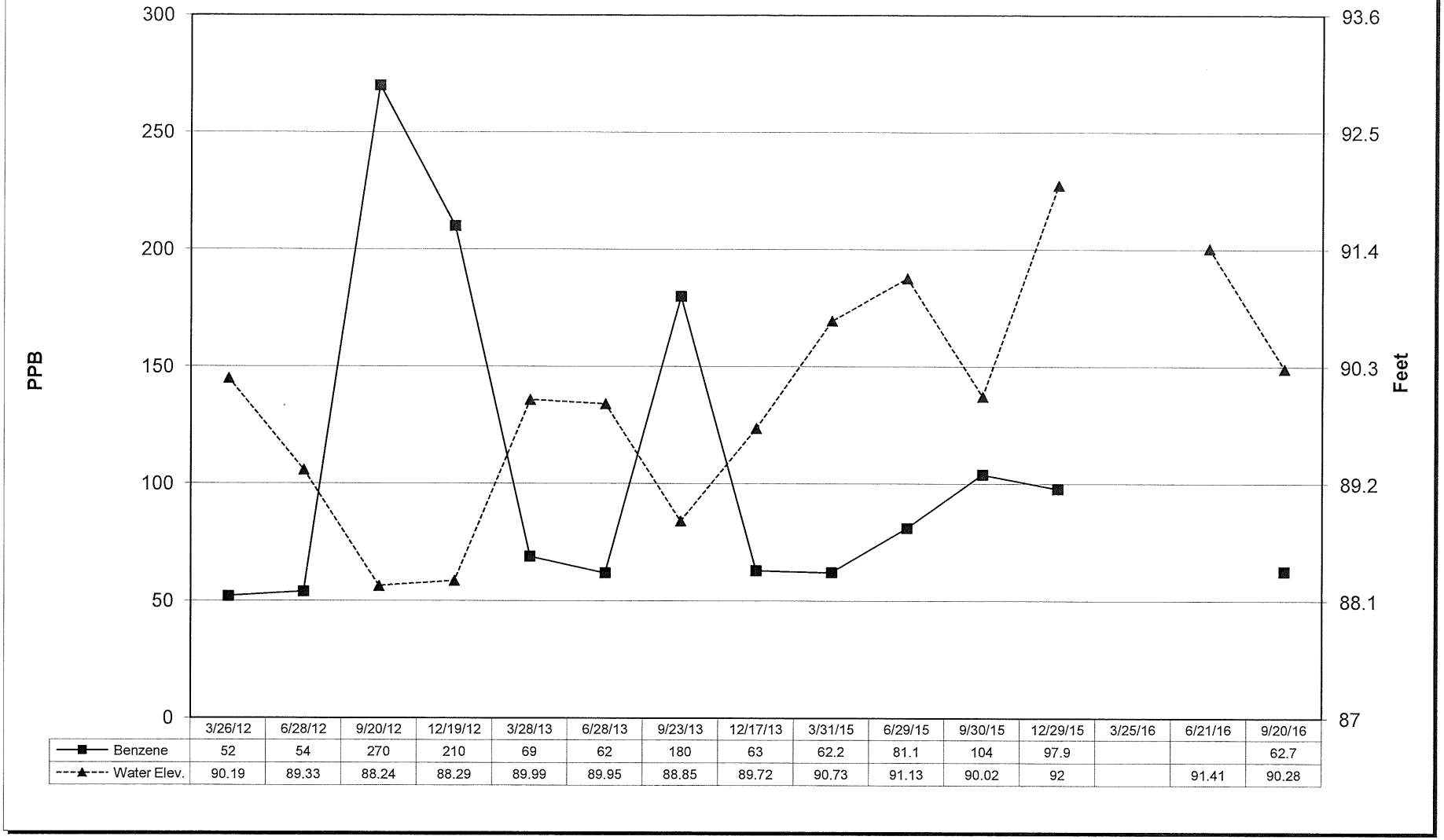
	12/7/06	1/23/07	5/24/07	9/18/07	11/12/07	2/19/08	4/8/08	7/22/08	11/25/08	2/9/09	4/9/09	7/29/09	10/8/09	3/19/10	6/24/10	9/28/10	12/2/10	6/15/11	9/29/11	12/16/11	3/26/12	6/28/12	9/20/12	12/19/12	3/28/13	6/28/13	9/23/13	12/17/13	3/31/15	6/29/15	9/30/15	12/29/15	3/25/16	6/21/16	9/20/16
Benzene	1,60	1,50	2,70	790	770	1,00	1,30	1,20	630	1,80	640	600	730	830	940	620	800	930	990	850	290	360	420	470	240	220	82	130	200	330	209	362	194	308	364
Water Elev.	90.3	91.4	90.5	88.6	88.7	91	93.3	89.5	88	88.6	89.1	88.9	89.7	90.3	90.5	87.4	87.1	90.2	88.8	89.3	90.2	89.4	88.2	88.3	90	89.9	88.9	89.7	90.7	91.1	90.1	92	91.9	91.5	90.2

Bigfoot #30 MW-16 Benzene Concentration vs. Time



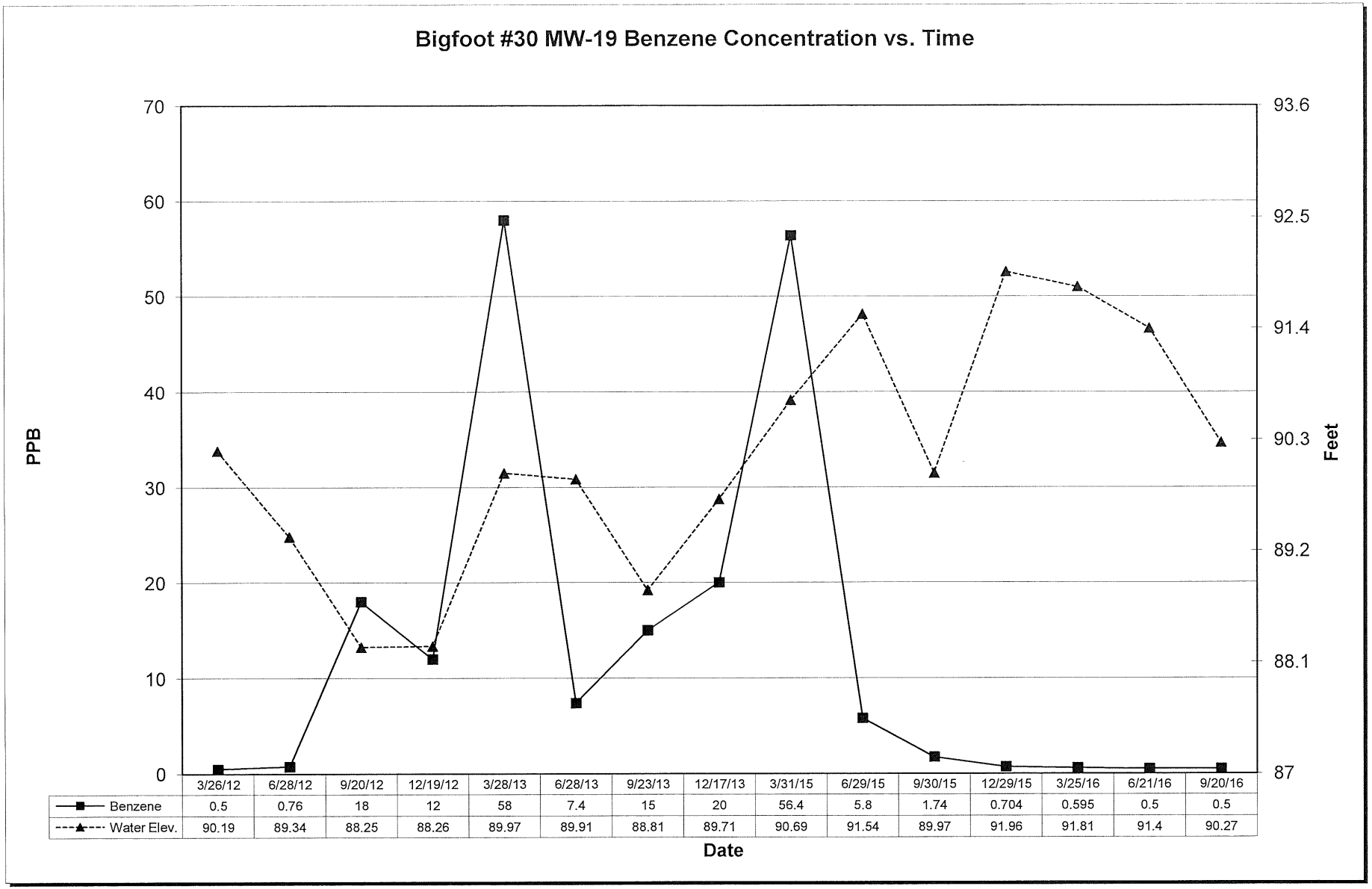
	3/26/12	6/28/12	9/20/12	12/19/12	3/28/13	6/28/13	9/23/13	12/17/13	3/31/15	6/29/15	9/30/15	12/29/15	3/25/16	6/21/16	9/20/16
Benzene	450	190	350	190	20	12	200	3	34.2	168	15	0.691	17.5	61.8	68
Water Elev.	90.26	89.41	88.3	88.37	90.03	89.98	88.93	89.78	90.78	91.18	90.07	92.15	91.88	91.5	90.51

Bigfoot #30 MW-18 Benzene Concentration vs. Time



	3/26/12	6/28/12	9/20/12	12/19/12	3/28/13	6/28/13	9/23/13	12/17/13	3/31/15	6/29/15	9/30/15	12/29/15	3/25/16	6/21/16	9/20/16
Benzene	52	54	270	210	69	62	180	63	62.2	81.1	104	97.9			62.7
Water Elev.	90.19	89.33	88.24	88.29	89.99	89.95	88.85	89.72	90.73	91.13	90.02	92		91.41	90.28

Bigfoot #30 MW-19 Benzene Concentration vs. Time



	3/26/12	6/28/12	9/20/12	12/19/12	3/28/13	6/28/13	9/23/13	12/17/13	3/31/15	6/29/15	9/30/15	12/29/15	3/25/16	6/21/16	9/20/16
Benzene	0.5	0.76	18	12	58	7.4	15	20	56.4	5.8	1.74	0.704	0.595	0.5	0.5
Water Elev.	90.19	89.34	88.25	88.26	89.97	89.91	88.81	89.71	90.69	91.54	89.97	91.96	91.81	91.4	90.27

Date

APPENDIX B

Groundwater Analytical Results

ANALYTICAL REPORT

September 29, 2016

American Environmental -KY CKR

Sample Delivery Group:	L860903
Samples Received:	09/21/2016
Project Number:	254051
Description:	Quarterly Monitoring / Macs 30
Site:	30
Report To:	Mike Hightchew 9127 Galene Drive, Suite D Louisville, KY 40299

Entire Report Reviewed By:

Jeff Carr
Technical Service Representative

Results relate only to the items tested or calibrated and are reported as rounded values. This test report shall not be reproduced, except in full, without written approval of the laboratory. Where applicable, sampling conducted by ESC is performed per guidance provided in laboratory standard operating procedures: 060302, 060303, and 060304.

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MW-1 L860903-01 GW

Collected by: Mike Hightchew
Collected date/time: 09/20/16 08:00
Received date/time: 09/21/16 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Metals (ICP) by Method 6010B	WG910154	1	09/26/16 11:27	09/26/16 17:05	ST
Semi Volatile Organic Compounds (GC/MS) by Method 8270C-SIM	WG911576	1	09/26/16 19:52	09/28/16 15:49	FMB
Volatile Organic Compounds (GC) by Method 8021	WG910966	1	09/27/16 09:34	09/27/16 09:34	ACG

MW-8 L860903-02 GW

Collected by: Mike Hightchew
Collected date/time: 09/20/16 08:10
Received date/time: 09/21/16 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Metals (ICP) by Method 6010B	WG910154	1	09/26/16 11:27	09/26/16 17:08	ST
Semi Volatile Organic Compounds (GC/MS) by Method 8270C-SIM	WG911576	1	09/26/16 19:52	09/28/16 16:11	FMB
Volatile Organic Compounds (GC) by Method 8021	WG910966	5	09/29/16 01:25	09/29/16 01:25	LRL

MW-10 L860903-03 GW

Collected by: Mike Hightchew
Collected date/time: 09/20/16 09:40
Received date/time: 09/21/16 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Metals (ICP) by Method 6010B	WG910154	1	09/26/16 11:27	09/26/16 17:11	ST
Semi Volatile Organic Compounds (GC/MS) by Method 8270C-SIM	WG911576	1	09/26/16 19:52	09/28/16 16:33	FMB
Volatile Organic Compounds (GC) by Method 8021	WG910966	1	09/27/16 11:25	09/27/16 11:25	ACG

MW-11 L860903-04 GW

Collected by: Mike Hightchew
Collected date/time: 09/20/16 09:10
Received date/time: 09/21/16 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Metals (ICP) by Method 6010B	WG910154	1	09/26/16 11:27	09/26/16 17:19	ST
Semi Volatile Organic Compounds (GC/MS) by Method 8270C-SIM	WG911576	1	09/26/16 19:52	09/28/16 19:49	FMB
Volatile Organic Compounds (GC) by Method 8021	WG910966	5	09/29/16 01:46	09/29/16 01:46	LRL

MW-13 L860903-05 GW

Collected by: Mike Hightchew
Collected date/time: 09/20/16 08:40
Received date/time: 09/21/16 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Metals (ICP) by Method 6010B	WG910154	1	09/26/16 11:27	09/26/16 17:22	ST
Semi Volatile Organic Compounds (GC/MS) by Method 8270C-SIM	WG911576	1	09/26/16 19:52	09/28/16 16:55	FMB
Volatile Organic Compounds (GC) by Method 8021	WG910966	1	09/27/16 12:09	09/27/16 12:09	ACG

MW-16 L860903-06 GW

Collected by: Mike Hightchew
Collected date/time: 09/20/16 09:00
Received date/time: 09/21/16 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Metals (ICP) by Method 6010B	WG910154	1	09/26/16 11:27	09/26/16 17:24	ST
Semi Volatile Organic Compounds (GC/MS) by Method 8270C-SIM	WG911576	1	09/26/16 19:52	09/28/16 17:17	FMB
Volatile Organic Compounds (GC) by Method 8021	WG910966	1	09/27/16 12:31	09/27/16 12:31	ACG

MW-17 L860903-07 GW

Collected by: Mike Hightchew | Collected date/time: 09/20/16 09:30 | Received date/time: 09/21/16 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Metals (ICP) by Method 6010B	WG910154	1	09/26/16 11:27	09/26/16 17:27	ST
Semi Volatile Organic Compounds (GC/MS) by Method 8270C-SIM	WG911576	1	09/26/16 19:52	09/28/16 17:38	FMB
Volatile Organic Compounds (GC) by Method 8021	WG910966	1	09/27/16 12:53	09/27/16 12:53	ACG

MW-18 L860903-08 GW

Collected by: Mike Hightchew | Collected date/time: 09/20/16 08:20 | Received date/time: 09/21/16 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Metals (ICP) by Method 6010B	WG910154	1	09/26/16 11:27	09/26/16 17:30	ST
Semi Volatile Organic Compounds (GC/MS) by Method 8270C-SIM	WG911576	1	09/26/16 19:52	09/28/16 18:00	FMB
Volatile Organic Compounds (GC) by Method 8021	WG910966	1	09/27/16 13:15	09/27/16 13:15	ACG

MW-19 L860903-09 GW

Collected by: Mike Hightchew | Collected date/time: 09/20/16 08:30 | Received date/time: 09/21/16 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Metals (ICP) by Method 6010B	WG910154	1	09/26/16 11:27	09/26/16 16:55	ST
Semi Volatile Organic Compounds (GC/MS) by Method 8270C-SIM	WG911576	2	09/26/16 19:52	09/29/16 11:13	FMB
Volatile Organic Compounds (GC) by Method 8021	WG910966	1	09/27/16 13:38	09/27/16 13:38	ACG

MW-21 L860903-10 GW

Collected by: Mike Hightchew | Collected date/time: 09/20/16 09:20 | Received date/time: 09/21/16 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Metals (ICP) by Method 6010B	WG910154	1	09/26/16 11:27	09/26/16 17:33	ST
Semi Volatile Organic Compounds (GC/MS) by Method 8270C-SIM	WG911576	1	09/26/16 19:52	09/28/16 18:22	FMB
Volatile Organic Compounds (GC) by Method 8021	WG910966	1	09/27/16 14:00	09/27/16 14:00	ACG

DUPLICATE L860903-11 GW

Collected by: Mike Hightchew | Collected date/time: 09/20/16 00:00 | Received date/time: 09/21/16 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Metals (ICP) by Method 6010B	WG910154	1	09/26/16 11:27	09/26/16 17:35	ST
Semi Volatile Organic Compounds (GC/MS) by Method 8270C-SIM	WG911576	1	09/26/16 19:52	09/28/16 18:44	FMB
Volatile Organic Compounds (GC) by Method 8021	WG910966	1	09/27/16 14:23	09/27/16 14:23	ACG
Volatile Organic Compounds (GC) by Method 8021	WG910966	10	09/29/16 02:07	09/29/16 02:07	LRL

TRIP BLANK L860903-12 GW

Collected by: Mike Hightchew | Collected date/time: 09/20/16 00:00 | Received date/time: 09/21/16 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Volatile Organic Compounds (GC) by Method 8021	WG910966	1	09/29/16 03:09	09/29/16 03:09	LRL

All sample aliquots were received at the correct temperature, in the proper containers, with the appropriate preservatives, and within method specified holding times. All MDL (LOD) and RDL (LOQ) values reported for environmental samples have been corrected for the dilution factor used in the analysis. All Method and Batch Quality Control are within established criteria except where addressed in this case narrative, a non-conformance form or properly qualified within the sample results. By my digital signature below, I affirm to the best of my knowledge, all problems/anomalies observed by the laboratory as having the potential to affect the quality of the data have been identified by the laboratory, and no information or data have been knowingly withheld that would affect the quality of the data.

Jeff Carr
Technical Service Representative

Metals (ICP) by Method 6010B

Analyte	Result	Qualifier	RDL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
Lead	7.90		5.00	1	09/26/2016 17:05	WG910154

Volatile Organic Compounds (GC) by Method 8021

Analyte	Result	Qualifier	RDL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
Benzene	ND		0.500	1	09/27/2016 09:34	WG910966
Toluene	ND		5.00	1	09/27/2016 09:34	WG910966
Ethylbenzene	ND		0.500	1	09/27/2016 09:34	WG910966
Total Xylene	ND		1.50	1	09/27/2016 09:34	WG910966
Methyl tert-butyl ether	ND		1.00	1	09/27/2016 09:34	WG910966
(S) a,a,a-Trifluorotoluene(PID)	*101*		*55.0-122*		*09/27/2016 09:34*	WG910966

Semi Volatile Organic Compounds (GC/MS) by Method 8270C-SIM

Analyte	Result	Qualifier	RDL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
Benzo(a)anthracene	ND		0.0500	1	09/28/2016 15:49	WG911576
Benzo(a)pyrene	ND		0.0500	1	09/28/2016 15:49	WG911576
Benzo(b)fluoranthene	ND		0.0500	1	09/28/2016 15:49	WG911576
Benzo(k)fluoranthene	ND		0.0500	1	09/28/2016 15:49	WG911576
Chrysene	ND		0.0500	1	09/28/2016 15:49	WG911576
Dibenz(a,h)anthracene	ND		0.0500	1	09/28/2016 15:49	WG911576
Indeno(1,2,3-cd)pyrene	ND		0.0500	1	09/28/2016 15:49	WG911576
Naphthalene	ND		0.250	1	09/28/2016 15:49	WG911576
(S) Nitrobenzene-d5	*124*		*33.8-179*		*09/28/2016 15:49*	WG911576
(S) 2-Fluorobiphenyl	*111*		*55.5-150*		*09/28/2016 15:49*	WG911576
(S) p-Terphenyl-d14	*103*		*46.2-163*		*09/28/2016 15:49*	WG911576

Metals (ICP) by Method 6010B

Analyte	Result	Qualifier	RDL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
Lead	18.9		5.00	1	09/26/2016 17:08	WG910154

Volatile Organic Compounds (GC) by Method 8021

Analyte	Result	Qualifier	RDL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
Benzene	602		2.50	5	09/29/2016 01:25	WG910966
Toluene	ND		25.0	5	09/29/2016 01:25	WG910966
Ethylbenzene	31.3		2.50	5	09/29/2016 01:25	WG910966
Total Xylene	62.9		7.50	5	09/29/2016 01:25	WG910966
Methyl tert-butyl ether	ND		5.00	5	09/29/2016 01:25	WG910966
(S) a,a,a-Trifluorotoluene(PID)	*115*		*55.0-122*		*09/29/2016 01:25*	WG910966

Semi Volatile Organic Compounds (GC/MS) by Method 8270C-SIM

Analyte	Result	Qualifier	RDL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
Benzo(a)anthracene	ND		0.0500	1	09/28/2016 16:11	WG911576
Benzo(a)pyrene	ND		0.0500	1	09/28/2016 16:11	WG911576
Benzo(b)fluoranthene	ND		0.0500	1	09/28/2016 16:11	WG911576
Benzo(k)fluoranthene	ND		0.0500	1	09/28/2016 16:11	WG911576
Chrysene	ND		0.0500	1	09/28/2016 16:11	WG911576
Dibenz(a,h)anthracene	ND		0.0500	1	09/28/2016 16:11	WG911576
Indeno(1,2,3-cd)pyrene	ND		0.0500	1	09/28/2016 16:11	WG911576
Naphthalene	4.41		0.250	1	09/28/2016 16:11	WG911576
(S) Nitrobenzene-d5	*158*		*33.8-179*		*09/28/2016 16:11*	WG911576
(S) 2-Fluorobiphenyl	*102*		*55.5-150*		*09/28/2016 16:11*	WG911576
(S) p-Terphenyl-d14	*106*		*46.2-163*		*09/28/2016 16:11*	WG911576

Metals (ICP) by Method 6010B

Analyte	Result	Qualifier	RDL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
Lead	7.21		5.00	1	09/26/2016 17:11	WG910154

Volatile Organic Compounds (GC) by Method 8021

Analyte	Result	Qualifier	RDL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
Benzene	24.7		0.500	1	09/27/2016 11:25	WG910966
Toluene	ND		5.00	1	09/27/2016 11:25	WG910966
Ethylbenzene	1.71		0.500	1	09/27/2016 11:25	WG910966
Total Xylene	4.95	B	1.50	1	09/27/2016 11:25	WG910966
Methyl tert-butyl ether	33.5		1.00	1	09/27/2016 11:25	WG910966
(S) a,a,a-Trifluorotoluene(PID)	*107*		*55.0-122*		*09/27/2016 11:25*	WG910966

Semi Volatile Organic Compounds (GC/MS) by Method 8270C-SIM

Analyte	Result	Qualifier	RDL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
Benzo(a)anthracene	ND		0.0500	1	09/28/2016 16:33	WG911576
Benzo(a)pyrene	ND		0.0500	1	09/28/2016 16:33	WG911576
Benzo(b)fluoranthene	ND		0.0500	1	09/28/2016 16:33	WG911576
Benzo(k)fluoranthene	ND		0.0500	1	09/28/2016 16:33	WG911576
Chrysene	ND		0.0500	1	09/28/2016 16:33	WG911576
Dibenz(a,h)anthracene	ND		0.0500	1	09/28/2016 16:33	WG911576
Indeno(1,2,3-cd)pyrene	ND		0.0500	1	09/28/2016 16:33	WG911576
Naphthalene	1.57		0.250	1	09/28/2016 16:33	WG911576
(S) Nitrobenzene-d5	*135*		*33.8-179*		*09/28/2016 16:33*	WG911576
(S) 2-Fluorobiphenyl	*108*		*55.5-150*		*09/28/2016 16:33*	WG911576
(S) p-Terphenyl-d14	*113*		*46.2-163*		*09/28/2016 16:33*	WG911576

Metals (ICP) by Method 6010B

Analyte	Result	Qualifier	RDL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
Lead	6.88		5.00	1	09/26/2016 17:19	WG910154

Volatile Organic Compounds (GC) by Method 8021

Analyte	Result	Qualifier	RDL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
Benzene	364		2.50	5	09/29/2016 01:46	WG910966
Toluene	ND		25.0	5	09/29/2016 01:46	WG910966
Ethylbenzene	30.2		2.50	5	09/29/2016 01:46	WG910966
Total Xylene	21.7		7.50	5	09/29/2016 01:46	WG910966
Methyl tert-butyl ether	30.5		5.00	5	09/29/2016 01:46	WG910966
(S) a,a,a-Trifluorotoluene(PID)	*115*		*55.0-122*		*09/29/2016 01:46*	WG910966

Semi Volatile Organic Compounds (GC/MS) by Method 8270C-SIM

Analyte	Result	Qualifier	RDL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
Benzo(a)anthracene	ND		0.0500	1	09/28/2016 19:49	WG911576
Benzo(a)pyrene	ND		0.0500	1	09/28/2016 19:49	WG911576
Benzo(b)fluoranthene	ND		0.0500	1	09/28/2016 19:49	WG911576
Benzo(k)fluoranthene	ND		0.0500	1	09/28/2016 19:49	WG911576
Chrysene	ND		0.0500	1	09/28/2016 19:49	WG911576
Dibenz(a,h)anthracene	ND		0.0500	1	09/28/2016 19:49	WG911576
Indeno(1,2,3-cd)pyrene	ND		0.0500	1	09/28/2016 19:49	WG911576
Naphthalene	16.5		0.250	1	09/28/2016 19:49	WG911576
(S) Nitrobenzene-d5	*120*		*33.8-179*		*09/28/2016 19:49*	WG911576
(S) 2-Fluorobiphenyl	*100*		*55.5-150*		*09/28/2016 19:49*	WG911576
(S) p-Terphenyl-d14	*107*		*46.2-163*		*09/28/2016 19:49*	WG911576

Metals (ICP) by Method 6010B

Analyte	Result	Qualifier	RDL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
Lead	ND		5.00	1	09/26/2016 17:22	WG910154

Volatile Organic Compounds (GC) by Method 8021

Analyte	Result	Qualifier	RDL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
Benzene	ND		0.500	1	09/27/2016 12:09	WG910966
Toluene	ND		5.00	1	09/27/2016 12:09	WG910966
Ethylbenzene	ND		0.500	1	09/27/2016 12:09	WG910966
Total Xylene	ND		1.50	1	09/27/2016 12:09	WG910966
Methyl tert-butyl ether	ND		1.00	1	09/27/2016 12:09	WG910966
(S) a,a,a-Trifluorotoluene(PID)	*99.3*		*55.0-122*		*09/27/2016 12:09*	WG910966

Semi Volatile Organic Compounds (GC/MS) by Method 8270C-SIM

Analyte	Result	Qualifier	RDL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
Benzo(a)anthracene	ND		0.0500	1	09/28/2016 16:55	WG911576
Benzo(a)pyrene	ND		0.0500	1	09/28/2016 16:55	WG911576
Benzo(b)fluoranthene	ND		0.0500	1	09/28/2016 16:55	WG911576
Benzo(k)fluoranthene	ND		0.0500	1	09/28/2016 16:55	WG911576
Chrysene	ND		0.0500	1	09/28/2016 16:55	WG911576
Dibenz(a,h)anthracene	ND		0.0500	1	09/28/2016 16:55	WG911576
Indeno(1,2,3-cd)pyrene	ND		0.0500	1	09/28/2016 16:55	WG911576
Naphthalene	ND		0.250	1	09/28/2016 16:55	WG911576
(S) Nitrobenzene-d5	*121*		*33.8-179*		*09/28/2016 16:55*	WG911576
(S) 2-Fluorobiphenyl	*101*		*55.5-150*		*09/28/2016 16:55*	WG911576
(S) p-Terphenyl-d14	*105*		*46.2-163*		*09/28/2016 16:55*	WG911576

Metals (ICP) by Method 6010B

Analyte	Result	Qualifier	RDL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
Lead	ND		5.00	1	09/26/2016 17:24	WG910154

Volatile Organic Compounds (GC) by Method 8021

Analyte	Result	Qualifier	RDL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
Benzene	68.0		0.500	1	09/27/2016 12:31	WG910966
Toluene	ND		5.00	1	09/27/2016 12:31	WG910966
Ethylbenzene	1.47		0.500	1	09/27/2016 12:31	WG910966
Total Xylene	2.64	B	1.50	1	09/27/2016 12:31	WG910966
Methyl tert-butyl ether	6.62		1.00	1	09/27/2016 12:31	WG910966
(S) a,a,a-Trifluorotoluene(PID)	*100*		*55.0-122*		*09/27/2016 12:31*	WG910966

Semi Volatile Organic Compounds (GC/MS) by Method 8270C-SIM

Analyte	Result	Qualifier	RDL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
Benzo(a)anthracene	ND		0.0500	1	09/28/2016 17:17	WG911576
Benzo(a)pyrene	ND		0.0500	1	09/28/2016 17:17	WG911576
Benzo(b)fluoranthene	ND		0.0500	1	09/28/2016 17:17	WG911576
Benzo(k)fluoranthene	ND		0.0500	1	09/28/2016 17:17	WG911576
Chrysene	ND		0.0500	1	09/28/2016 17:17	WG911576
Dibenz(a,h)anthracene	ND		0.0500	1	09/28/2016 17:17	WG911576
Indeno(1,2,3-cd)pyrene	ND		0.0500	1	09/28/2016 17:17	WG911576
Naphthalene	4.94		0.250	1	09/28/2016 17:17	WG911576
(S) Nitrobenzene-d5	*109*		*33.8-179*		*09/28/2016 17:17*	WG911576
(S) 2-Fluorobiphenyl	*101*		*55.5-150*		*09/28/2016 17:17*	WG911576
(S) p-Terphenyl-d14	*102*		*46.2-163*		*09/28/2016 17:17*	WG911576

Metals (ICP) by Method 6010B

Analyte	Result	Qualifier	RDL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
Lead	7.75		5.00	1	09/26/2016 17:27	WG910154

Volatile Organic Compounds (GC) by Method 8021

Analyte	Result	Qualifier	RDL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
Benzene	ND		0.500	1	09/27/2016 12:53	WG910966
Toluene	ND		5.00	1	09/27/2016 12:53	WG910966
Ethylbenzene	ND		0.500	1	09/27/2016 12:53	WG910966
Total Xylene	ND		1.50	1	09/27/2016 12:53	WG910966
Methyl tert-butyl ether	ND		1.00	1	09/27/2016 12:53	WG910966
(S) a,a,a-Trifluorotoluene(PID)	*98.7*		*55.0-122*		*09/27/2016 12:53*	WG910966

Semi Volatile Organic Compounds (GC/MS) by Method 8270C-SIM

Analyte	Result	Qualifier	RDL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
Benzo(a)anthracene	ND		0.0500	1	09/28/2016 17:38	WG911576
Benzo(a)pyrene	ND		0.0500	1	09/28/2016 17:38	WG911576
Benzo(b)fluoranthene	ND		0.0500	1	09/28/2016 17:38	WG911576
Benzo(k)fluoranthene	ND		0.0500	1	09/28/2016 17:38	WG911576
Chrysene	ND		0.0500	1	09/28/2016 17:38	WG911576
Dibenz(a,h)anthracene	ND		0.0500	1	09/28/2016 17:38	WG911576
Indeno(1,2,3-cd)pyrene	ND		0.0500	1	09/28/2016 17:38	WG911576
Naphthalene	ND		0.250	1	09/28/2016 17:38	WG911576
(S) Nitrobenzene-d5	*127*		*33.8-179*		*09/28/2016 17:38*	WG911576
(S) 2-Fluorobiphenyl	*108*		*55.5-150*		*09/28/2016 17:38*	WG911576
(S) p-Terphenyl-d14	*106*		*46.2-163*		*09/28/2016 17:38*	WG911576

Metals (ICP) by Method 6010B

Analyte	Result	Qualifier	RDL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
Lead	5.70		5.00	1	09/26/2016 17:30	WG910154

Volatile Organic Compounds (GC) by Method 8021

Analyte	Result	Qualifier	RDL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
Benzene	62.7		0.500	1	09/27/2016 13:15	WG910966
Toluene	10.6		5.00	1	09/27/2016 13:15	WG910966
Ethylbenzene	2.48		0.500	1	09/27/2016 13:15	WG910966
Total Xylene	12.7		1.50	1	09/27/2016 13:15	WG910966
Methyl tert-butyl ether	7.34		1.00	1	09/27/2016 13:15	WG910966
(S) a,a,a-Trifluorotoluene(PID)	*102*		*55.0-122*		*09/27/2016 13:15*	WG910966

Semi Volatile Organic Compounds (GC/MS) by Method 8270C-SIM

Analyte	Result	Qualifier	RDL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
Benzo(a)anthracene	ND		0.0500	1	09/28/2016 18:00	WG911576
Benzo(a)pyrene	ND		0.0500	1	09/28/2016 18:00	WG911576
Benzo(b)fluoranthene	ND		0.0500	1	09/28/2016 18:00	WG911576
Benzo(k)fluoranthene	ND		0.0500	1	09/28/2016 18:00	WG911576
Chrysene	ND		0.0500	1	09/28/2016 18:00	WG911576
Dibenz(a,h)anthracene	ND		0.0500	1	09/28/2016 18:00	WG911576
Indeno(1,2,3-cd)pyrene	ND		0.0500	1	09/28/2016 18:00	WG911576
Naphthalene	1.53		0.250	1	09/28/2016 18:00	WG911576
(S) Nitrobenzene-d5	*127*		*33.8-179*		*09/28/2016 18:00*	WG911576
(S) 2-Fluorobiphenyl	*106*		*55.5-150*		*09/28/2016 18:00*	WG911576
(S) p-Terphenyl-d14	*109*		*46.2-163*		*09/28/2016 18:00*	WG911576

Metals (ICP) by Method 6010B

Analyte	Result	Qualifier	RDL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
Lead	14.3		5.00	1	09/26/2016 16:55	WG910154

Volatile Organic Compounds (GC) by Method 8021

Analyte	Result	Qualifier	RDL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
Benzene	ND		0.500	1	09/27/2016 13:38	WG910966
Toluene	ND		5.00	1	09/27/2016 13:38	WG910966
Ethylbenzene	ND		0.500	1	09/27/2016 13:38	WG910966
Total Xylene	ND		1.50	1	09/27/2016 13:38	WG910966
Methyl tert-butyl ether	2.64		1.00	1	09/27/2016 13:38	WG910966
(S) a,a,a-Trifluorotoluene(PID)	*99.9*		*55.0-122*		*09/27/2016 13:38*	WG910966

Semi Volatile Organic Compounds (GC/MS) by Method 8270C-SIM

Analyte	Result	Qualifier	RDL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
Benzo(a)anthracene	ND		0.100	2	09/29/2016 11:13	WG911576
Benzo(a)pyrene	ND		0.100	2	09/29/2016 11:13	WG911576
Benzo(b)fluoranthene	ND		0.100	2	09/29/2016 11:13	WG911576
Benzo(k)fluoranthene	ND		0.100	2	09/29/2016 11:13	WG911576
Chrysene	ND		0.100	2	09/29/2016 11:13	WG911576
Dibenz(a,h)anthracene	ND		0.100	2	09/29/2016 11:13	WG911576
Indeno(1,2,3-cd)pyrene	ND		0.100	2	09/29/2016 11:13	WG911576
Naphthalene	ND		0.500	2	09/29/2016 11:13	WG911576
(S) Nitrobenzene-d5	*130*		*33.8-179*		*09/29/2016 11:13*	WG911576
(S) 2-Fluorobiphenyl	*109*		*55.5-150*		*09/29/2016 11:13*	WG911576
(S) p-Terphenyl-d14	*99.3*		*46.2-163*		*09/29/2016 11:13*	WG911576

Metals (ICP) by Method 6010B

Analyte	Result	Qualifier	RDL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
Lead	15.0		5.00	1	09/26/2016 17:33	WG910154

Volatile Organic Compounds (GC) by Method 8021

Analyte	Result	Qualifier	RDL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
Benzene	ND		0.500	1	09/27/2016 14:00	WG910966
Toluene	ND		5.00	1	09/27/2016 14:00	WG910966
Ethylbenzene	ND		0.500	1	09/27/2016 14:00	WG910966
Total Xylene	ND		1.50	1	09/27/2016 14:00	WG910966
Methyl tert-butyl ether	2.19		1.00	1	09/27/2016 14:00	WG910966
(S) α,α,α-Trifluorotoluene(PID)	*99.9*		*55.0-122*		*09/27/2016 14:00*	WG910966

Semi Volatile Organic Compounds (GC/MS) by Method 8270C-SIM

Analyte	Result	Qualifier	RDL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
Benzo(a)anthracene	ND		0.0500	1	09/28/2016 18:22	WG911576
Benzo(a)pyrene	ND		0.0500	1	09/28/2016 18:22	WG911576
Benzo(b)fluoranthene	ND		0.0500	1	09/28/2016 18:22	WG911576
Benzo(k)fluoranthene	ND		0.0500	1	09/28/2016 18:22	WG911576
Chrysene	ND		0.0500	1	09/28/2016 18:22	WG911576
Dibenz(a,h)anthracene	ND		0.0500	1	09/28/2016 18:22	WG911576
Indeno(1,2,3-cd)pyrene	ND		0.0500	1	09/28/2016 18:22	WG911576
Naphthalene	ND		0.250	1	09/28/2016 18:22	WG911576
(S) Nitrobenzene-d5	*128*		*33.8-179*		*09/28/2016 18:22*	WG911576
(S) 2-Fluorobiphenyl	*106*		*55.5-150*		*09/28/2016 18:22*	WG911576
(S) p-Terphenyl-d14	*105*		*46.2-163*		*09/28/2016 18:22*	WG911576

Metals (ICP) by Method 6010B

Analyte	Result	Qualifier	RDL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
Lead	5.47		5.00	1	09/26/2016 17:35	WG910154

Volatile Organic Compounds (GC) by Method 8021

Analyte	Result	Qualifier	RDL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
Benzene	673		5.00	10	09/29/2016 02:07	WG910966
Toluene	45.6		5.00	1	09/27/2016 14:23	WG910966
Ethylbenzene	28.4		0.500	1	09/27/2016 14:23	WG910966
Total Xylene	58.8		1.50	1	09/27/2016 14:23	WG910966
Methyl tert-butyl ether	33.0		1.00	1	09/27/2016 14:23	WG910966
(S) a,a,a-Trifluorotoluene(PID)	*146*	J1	*55.0-122*		*09/27/2016 14:23*	WG910966
(S) a,a,a-Trifluorotoluene(PID)	*115*		*55.0-122*		*09/29/2016 02:07*	WG910966

Sample Narrative:

8021 L860903-11 WG910966: Surrogate failure due to matrix interference.

Semi Volatile Organic Compounds (GC/MS) by Method 8270C-SIM

Analyte	Result	Qualifier	RDL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
Benzo(a)anthracene	ND		0.0500	1	09/28/2016 18:44	WG911576
Benzo(a)pyrene	ND		0.0500	1	09/28/2016 18:44	WG911576
Benzo(b)fluoranthene	ND		0.0500	1	09/28/2016 18:44	WG911576
Benzo(k)fluoranthene	ND		0.0500	1	09/28/2016 18:44	WG911576
Chrysene	ND		0.0500	1	09/28/2016 18:44	WG911576
Dibenz(a,h)anthracene	ND		0.0500	1	09/28/2016 18:44	WG911576
Indeno(1,2,3-cd)pyrene	ND		0.0500	1	09/28/2016 18:44	WG911576
Naphthalene	4.23		0.250	1	09/28/2016 18:44	WG911576
(S) Nitrobenzene-d5	*137*		*33.8-179*		*09/28/2016 18:44*	WG911576
(S) 2-Fluorobiphenyl	*100*		*55.5-150*		*09/28/2016 18:44*	WG911576
(S) p-Terphenyl-d14	*106*		*46.2-163*		*09/28/2016 18:44*	WG911576

Volatile Organic Compounds (GC) by Method 8021

Analyte	Result	Qualifier	RDL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
Benzene	ND		0.500	1	09/29/2016 03:09	WG910966
Toluene	ND		5.00	1	09/29/2016 03:09	WG910966
Ethylbenzene	ND		0.500	1	09/29/2016 03:09	WG910966
Total Xylene	ND		1.50	1	09/29/2016 03:09	WG910966
Methyl tert-butyl ether	ND		1.00	1	09/29/2016 03:09	WG910966
(S) a,a,a-Trifluorotoluene(PID)	*113*		*55.0-122*		*09/29/2016 03:09*	WG910966

Method Blank (MB)

(MB) R3166234-1 09/26/16 16:47

Analyte	MB Result	MB Qualifier	MB MDL	MB RDL
	ug/l		ug/l	ug/l
Lead	U		1.90	5.00

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R3166234-2 09/26/16 16:50 • (LCSD) R3166234-3 09/26/16 16:52

Analyte	Spike Amount	LCS Result	LCSD Result	LCS Rec.	LCSD Rec.	Rec. Limits	LCS Qualifier	LCSD Qualifier	RPD	RPD Limits
	ug/l	ug/l	ug/l	%	%	%			%	%
Lead	1000	1070	1050	107	105	80-120			1	20

L860903-09 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L860903-09 09/26/16 16:55 • (MS) R3166234-5 09/26/16 17:00 • (MSD) R3166234-6 09/26/16 17:02

Analyte	Spike Amount	Original Result	MS Result	MSD Result	MS Rec.	MSD Rec.	Dilution	Rec. Limits	MS Qualifier	MSD Qualifier	RPD	RPD Limits
	ug/l	ug/l	ug/l	ug/l	%	%		%			%	%
Lead	1000	14.3	1060	1060	104	105	1	75-125			1	20

Method Blank (MB)

(MB) R3166748-3 09/27/16 07:55

Analyte	MB Result	MB Qualifier	MB MDL	MB RDL
	ug/l		ug/l	ug/l
Benzene	U		0.190	0.500
Toluene	0.339	J	0.180	5.00
Ethylbenzene	U		0.160	0.500
Total Xylene	U		0.510	1.50
Methyl tert-butyl ether	U		0.340	1.00
(S) a,a,a-Trifluorotoluene(PID)	*99.4*			*55.0-122*

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R3166748-1 09/27/16 06:49 • (LCSD) R3166748-2 09/27/16 07:11

Analyte	Spike Amount	LCS Result	LCSD Result	LCS Rec.	LCSD Rec.	Rec. Limits	LCS Qualifier	LCSD Qualifier	RPD	RPD Limits
	ug/l	ug/l	ug/l	%	%	%			%	%
Benzene	50.0	51.3	52.5	103	105	70.0-130			2.34	20
Toluene	50.0	52.5	51.4	105	103	70.0-130			2.15	20
Ethylbenzene	50.0	53.7	53.5	107	107	70.0-130			0.350	20
Total Xylene	150	162	159	108	106	70.0-130			1.48	20
Methyl tert-butyl ether	50.0	47.4	47.2	94.7	94.5	70.0-130			0.250	20
(S) a,a,a-Trifluorotoluene(PID)				*101*	*99.5*	*55.0-122*				

L860903-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L860903-01 09/27/16 09:34 • (MS) R3166748-4 09/27/16 09:56 • (MSD) R3166748-5 09/27/16 10:19

Analyte	Spike Amount	Original Result	MS Result	MSD Result	MS Rec.	MSD Rec.	Dilution	Rec. Limits	MS Qualifier	MSD Qualifier	RPD	RPD Limits
	ug/l	ug/l	ug/l	ug/l	%	%		%			%	%
Benzene	100	ND	99.1	102	99.1	102	1	57.2-131			2.89	20
Toluene	100	ND	94.4	96.7	94.2	96.7	1	63.7-134			2.42	20
Ethylbenzene	100	ND	98.4	100	98.4	100	1	67.5-135			1.97	20
Total Xylene	300	ND	293	300	97.6	300	1	65.9-138			2.13	20
Methyl tert-butyl ether	100	ND	102	103	102	103	1	52.4-137			1.23	20
(S) a,a,a-Trifluorotoluene(PID)					*98.4*	*98.0*		*55.0-122*				

Method Blank (MB)

(MB) R3166747-3 09/28/16 11:28

Analyte	MB Result ug/l	MB Qualifier	MB MDL ug/l	MB RDL ug/l
Benzo(a)anthracene	U		0.00410	0.0500
Benzo(a)pyrene	U		0.0116	0.0500
Benzo(b)fluoranthene	U		0.00212	0.0500
Benzo(k)fluoranthene	U		0.0136	0.0500
Chrysene	U		0.0108	0.0500
Dibenz(a,h)anthracene	U		0.00396	0.0500
Indeno(1,2,3-cd)pyrene	U		0.0148	0.0500
Naphthalene	0.0421	J	0.0198	0.250
(S) Nitrobenzene-d5	*124*			*33.8-179*
(S) 2-Fluorobiphenyl	*108*			*55.5-150*
(S) p-Terphenyl-d14	*102*			*46.2-163*

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R3166747-1 09/28/16 10:44 • (LCSD) R3166747-2 09/28/16 11:06

Analyte	Spike Amount ug/l	LCS Result ug/l	LCSD Result ug/l	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Benzo(a)anthracene	2.00	2.07	2.11	104	106	63.1-147			1.89	20
Benzo(a)pyrene	2.00	2.22	2.26	111	113	62.2-150			1.89	20
Benzo(b)fluoranthene	2.00	2.15	2.23	108	112	58.4-148			3.58	20
Benzo(k)fluoranthene	2.00	2.06	2.07	103	103	60.5-154			0.210	20
Chrysene	2.00	2.18	2.24	109	112	64.8-155			2.70	20
Dibenz(a,h)anthracene	2.00	1.63	1.65	81.4	82.7	53.5-153			1.58	20
Indeno(1,2,3-cd)pyrene	2.00	1.69	1.73	84.5	86.7	57.0-155			2.65	20
Naphthalene	2.00	2.26	2.25	113	113	66.7-135			0.510	20
(S) Nitrobenzene-d5				*126*	*125*	*33.8-179*				
(S) 2-Fluorobiphenyl				*104*	*106*	*55.5-150*				
(S) p-Terphenyl-d14				*97.3*	*100*	*46.2-163*				

Abbreviations and Definitions

SDG	Sample Delivery Group.
MDL	Method Detection Limit.
RDL	Reported Detection Limit.
ND	Not detected at the Reporting Limit (or MDL where applicable).
U	Not detected at the Reporting Limit (or MDL where applicable).
RPD	Relative Percent Difference.
Original Sample	The non-spiked sample in the prep batch used to determine the Relative Percent Difference (RPD) from a quality control sample. The Original Sample may not be included within the reported SDG.
(S)	Surrogate (Surrogate Standard) - Analytes added to every blank, sample, Laboratory Control Sample/Duplicate and Matrix Spike/Duplicate; used to evaluate analytical efficiency by measuring recovery. Surrogates are not expected to be detected in all environmental media.
Rec.	Recovery.

Qualifier	Description
B	The same analyte is found in the associated blank.
J	The identification of the analyte is acceptable; the reported value is an estimate.
J1	Surrogate recovery limits have been exceeded; values are outside upper control limits.

ESC Lab Sciences is the only environmental laboratory accredited/certified to support your work nationwide from one location. One phone call, one point of contact, one laboratory. No other lab is as accessible or prepared to handle your needs throughout the country. Our capacity and capability from our single location laboratory is comparable to the collective totals of the network laboratories in our industry. The most significant benefit to our "one location" design is the design of our laboratory campus. The model is conducive to accelerated productivity, decreasing turn-around time, and preventing cross contamination, thus protecting sample integrity. Our focus on premium quality and prompt service allows us to be **YOUR LAB OF CHOICE.**
***** Not all certifications held by the laboratory are applicable to the results reported in the attached report.

State Accreditations

Alabama	40660	Nevada	TN-03-2002-34
Alaska	UST-080	New Hampshire	2975
Arizona	AZ0612	New Jersey–NELAP	TN002
Arkansas	88-0469	New Mexico	TN00003
California	01157CA	New York	11742
Colorado	TN00003	North Carolina	Env375
Conneticut	PH-0197	North Carolina [1]	DW21704
Florida	E87487	North Carolina [2]	41
Georgia	NELAP	North Dakota	R-140
Georgia [1]	923	Ohio–VAP	CL0069
Idaho	TN00003	Oklahoma	9915
Illinois	200008	Oregon	TN200002
Indiana	C-TN-01	Pennsylvania	68-02979
Iowa	364	Rhode Island	221
Kansas	E-10277	South Carolina	84004
Kentucky [1]	90010	South Dakota	n/a
Kentucky [2]	16	Tennessee [1 4]	2006
Louisiana	AI30792	Texas	T 104704245-07-TX
Maine	TN0002	Texas [5]	LAB0152
Maryland	324	Utah	6157585858
Massachusetts	M-TN003	Vermont	VT2006
Michigan	9958	Virginia	109
Minnesota	047-999-395	Washington	C1915
Mississippi	TN00003	West Virginia	233
Missouri	340	Wisconsin	9980939910
Montana	CERT0086	Wyoming	A2LA
Nebraska	NE-OS-15-05		

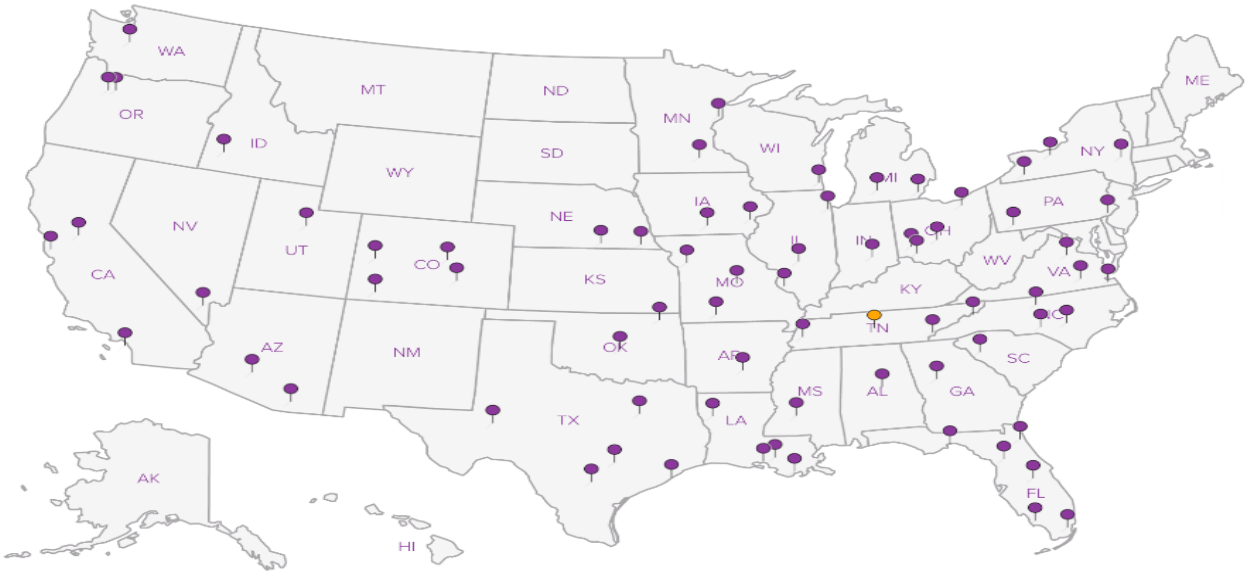
Third Party & Federal Accreditations

A2LA – ISO 17025	1461.01	AIHA	100789
A2LA – ISO 17025 [5]	1461.02	DOD	1461.01
Canada	1461.01	USDA	S-67674
EPA–Crypto	TN00003		

[1] Drinking Water [2] Underground Storage Tanks [3] Aquatic Toxicity [4] Chemical/Microbiological [5] Mold [n/a] Accreditation not applicable

Our Locations

ESC Lab Sciences has sixty-four client support centers that provide sample pickup and/or the delivery of sampling supplies. If you would like assistance from one of our support offices, please contact our main office. **ESC Lab Sciences performs all testing at our central laboratory.**



American Environmental -KY CKR

9127 Galene Drive, Suite D
Louisville, KY 40299

Billing Information:
Stacey Workman
8500 Georgetown Rd
Indianapolis, IN 46268

Report to: Mike Hightchew

Email To: mhightchew@aeckentucky.com

Project Description: Quarterly Monitoring / Macs BF 30

City/State Collected:

Phone: 502-491-0144
Fax: 502-491-9271

Client Project # 254051

Lab Project # AMELKYCKR-254051

Collected by (print): Mike Hightchew

Site/Facility ID # 30

P.O. #

Collected by (signature):

Immediately Packed on Ice N ___ Y X

Rush? (Lab MUST Be Notified)
___ Same Day 200%
___ Next Day 100%
___ Two Day 50%
___ Three Day 25%

Date Results Needed

Email? ___No X__Yes
FAX? ___No ___Yes

Analysis / Container / Preservative

Chain of Custody Page 1 of 2

ESC LABORATORY SCIENCES
YOUR LAB OF CHOICE
12065 Lebanon Rd
Mount Juliet, TN 37122
Phone: 615-758-5858
Phone: 800-767-5859
Fax: 615-758-5859

L# L860983
G227

Acctnum: AMELKYCKR
Template: T41698
Prelogin: P566482
TSR: 206 - Jeff Carr
PB: 8-30-16 GW
Shipped Via: FedEX Ground

Sample ID	Comp/Grab	Matrix *	Depth	Date	Time	No. of Cntrs	BTEXM (8021) 40mlAmb-HCl	BTEXM 40mlAmb-HCl-Blk	Lead - 6010 250mlHDPE-HNO3	PAHSIMLVI 40mlAmb-NoPres-WT	Rem./Contaminant	Sample # (lab only)
MW-1	Grab	GW		*9/20/16 6/20/16	800	6	X		X	X		-01
MW-8	↓	GW		↓	810	6	X		X	X		02
MW-10	↓	GW		↓	940	6	X		X	X		03
MW-11	↓	GW		↓	910	6	X		X	X		04
~~MW-12~~	—	~~GW~~		~~9/20/16~~	—	~~6~~	~~X~~		~~X~~	~~X~~		
MW-13	Grab	GW		~~6/20/16~~	840	6	X		X	X		05
MW-16	↓	GW		↓	900	6	X		X	X		06
MW-17	↓	GW		↓	930	6	X		X	X		07
MW-18	↓	GW		↓	820	6	X		X	X		08
MW-19	↓	GW		↓	830	6	X		X	X		09

* Matrix: SS - Soil GW - Groundwater WW - WasteWater DW - Drinking Water OT - Other_____

Remarks:

* Per Jeff CARR -JWW

pH _____ Temp _____

Flow _____ Other _____

Hold #

Relinquished by : (Signature)	Date:	Time:	Received by: (Signature)
	6/20/16	5pm	Fedex 6903 4759 7660
Relinquished by : (Signature)	Date:	Time:	Received by: (Signature)
Relinquished by : (Signature)	Date:	Time:	Received for lab by: (Signature)

Samples returned via: ☐ UPS ☒ FedEx ☐ Courier ☐ _____

Temp: 2.4 °C Bottles Received: 67

Date: 9-21-16 Time: 0900

Condition: BBB (lab use only)

COC Seal Intact: ___Y ___N ___NA

pH Checked: LL NCF:

American Environmental -KY CKR

9127 Galene Drive, Suite D
Louisville, KY 40299

Billing Information:
Stacey Workman
8500 Georgetown Rd
Indianapolis, IN 46268

Report to: Mike Hightchew

Email To: mhightchew@aeckentucky.com

Project Description: Quarterly Monitoring / Macs BF 30

City/State Collected:

Phone: 502-491-0144
Fax: 502-491-9271

Client Project # 254051

Lab Project # AMELKYCKR-254051

Collected by (print): Mike Hightchew

Site/Facility ID # 30

P.O. #

Collected by (signature): Mike Hightchew

Immediately Packed on Ice N ___ Y X

Rush? (Lab MUST Be Notified)
___ Same Day 200%
___ Next Day 100%
___ Two Day 50%
___ Three Day 25%

Date Results Needed

Email? ___No X__Yes
FAX? ___No ___Yes

Sample ID	Comp/Grab	Matrix *	Depth	Date *	Time	No. of Cntrs	BTEXM (8021) 40mlAmb-HCl	BTEXM 40mlAmb-HCl-Blk	Lead - 6010 250mlHDPE-HNO3	PAHSIMLVI 40mlAmb-NoPres-WT	Rem./Contaminant	Sample # (lab only)
~~MW-20~~		~~GW~~		6/20/16		~~6~~	~~X~~		~~X~~	~~X~~		
MW-21	Grab	GW		6/20/16	920	6	X		X	X		-10
DUPLICATE		GW				6	X		X	X		11
TRIP BLANK		GW				1		X				12

Analysis / Container / Preservative

Chain of Custody Page 2 of 2

ESC LAB SCIENCES
YOUR LAB OF CHOICE
12065 Lebanon Rd
Mount Juliet, TN 37122
Phone: 615-758-5858
Phone: 800-767-5859
Fax: 615-758-5859

L# L860903

Table #

Acctnum: AMELKYCKR
Template: T41698
Prelogin: P566482
TSR: 206 - Jeff Carr
PB: 8-30-16

Shipped Via: FedEx Ground

* Matrix: SS - Soil GW - Groundwater WW - WasteWater DW - Drinking Water OT - Other_____

Remarks:

* per Jeff Carr -SWW

pH _____ Temp _____

Flow _____ Other _____

Hold #

Relinquished by : (Signature)	Date:	Time:	Received by: (Signature)
Mike Hightchew	6/20/16	5PM	Fedex 6903 4759 7660
Relinquished by : (Signature)	Date:	Time:	Received by: (Signature)
Relinquished by : (Signature)	Date:	Time:	Received for lab by: (Signature)

Samples returned via: ☐ UPS ☒ FedEx ☐ Courier ☐ ____

Temp: 2.4 °C Bottles Received: 67

Date: 6-21-16 Time: 0900

Condition: NB9 (OK) (lab use only)

COC Seal Intact: X Y ___N ___NA

pH Checked: 12 NCF:

ESC
L·A·B S·C·I·E·N·C·E·S
YOUR LAB OF CHOICE

Cooler Receipt Form

Client: A MELKYCKR	SDG# L860903
Cooler Received/Opened On: **9/21/16**	Temperature Upon Receipt: 2.8 °c
Received By: **Rickey Mosley**	
Signature: Rickey Mosley	

Receipt Check List	Yes	No	N/A
Were custody seals on outside of cooler and intact?	✓		
Were custody papers properly filled out?	✓		
Did all bottles arrive in good condition?	✓		
Were correct bottles used for the analyses requested?	✓		
Was sufficient amount of sample sent in each bottle?	✓		
Were all applicable sample containers correctly preserved and checked for preservation? (Any not in accepted range noted on COC)	✓		
If applicable, was an observable VOA headspace present?		✓	
Non Conformance Generated. (If yes see attached NCF)			

APPENDIX C

Historical Groundwater Elevations
Historical Groundwater Analytical Results
Historical MNA Parameters

Historical Groundwater Elevations Former Bigfoot #30					
Location	Date	Top of Casing Elevation (ft)	Depth to Groundwater* (ft)	Free Product Thickness (ft)	Groundwater Elevation (ft)
MW-1	9/20/2016	99.01	8.46	0	90.55
	6/21/2016		7.23		91.78
	3/25/2016		6.65		92.36
	12/29/2015		6.91		92.10
	9/30/2015		8.78		90.23
	6/29/2015		7.66		91.35
	3/31/2015		7.91		91.10
	12/17/2013		9.03		89.98
	9/23/2013		9.96		89.05
	6/28/2013		9.18		89.83
	3/28/2013		8.74		90.27
	12/19/2012		10.60		88.41
	9/20/2012		10.59		88.42
	6/28/2012		9.36		89.65
	3/26/2012		9.41		89.60
	12/16/2011		9.30		89.71
	9/29/2011		9.50		89.51
	6/15/2011		8.46		90.55
	3/17/2011		12.26		86.75
	12/2/2010		12.88		86.13
	9/28/2010		11.29		87.72
	6/24/2010		8.07		90.94
	3/19/2010		8.33		90.68
	10/8/2009		9.00		90.01
	7/29/2009		9.75		89.26
	4/9/2009		9.65		89.36
	2/9/2009		9.99		89.02
	11/25/2008		10.83		88.18
	7/22/2008		9.13		89.88
	4/8/2008		5.10		93.91
	2/19/2008		7.51		91.50
	11/12/2007		10.05		88.96
	9/18/2007		10.19		88.82
	5/24/2007		8.05		90.96
	1/23/2007		7.02		91.99
	12/7/2006		7.99		91.02
MW-2 (off-site)	9/20/2016	98.14	7.75	0	90.39
	6/21/2016		6.61		91.53
	3/25/2016		6.25		91.89
	12/29/2015		5.94		92.20
	9/30/2015		8.00		90.14
	6/29/2015		6.96		91.18
	3/31/2015		6.91		91.23
	12/17/2013		8.45		89.69
	9/23/2013		9.24		88.90
	6/28/2013		8.18		89.96
	3/28/2013		8.15		89.99
	12/19/2012		9.85		88.29
	9/20/2012		9.95		88.19
	6/28/2012		8.71		89.43
	3/26/2012		7.97		90.17
	12/16/2011		8.83		89.31
	9/29/2011		9.27		88.87
	6/15/2011		7.85		90.29
	3/17/2011		11.77		86.37
	12/2/2010		12.26		85.88
	9/28/2010		10.61		87.53
	6/24/2010		7.56		90.58
	3/19/2010		7.80		90.34
	10/8/2009		8.39		89.75
	7/29/2009		9.15		88.99
	4/9/2009		9.14		89.00
	2/9/2009		9.64		88.50
	11/25/2008		10.18		87.96
	7/22/2008		8.54		89.60
	4/8/2008		4.82		93.32
	2/19/2008		7.20		90.94
	11/12/2007		9.41		88.73
	9/18/2007		9.51		88.63
	5/24/2007		7.65		90.49
	1/23/2007		6.75		91.39
	12/7/2006		7.73		90.41

Historical Groundwater Elevations Former Bigfoot #30					
Location	Date	Top of Casing Elevation (ft)	Depth to Groundwater* (ft)	Free Product Thickness (ft)	Groundwater Elevation (ft)
MW-3 (off-site)	9/20/2016	98.25	7.91	0	90.34
	6/21/2016		6.72		91.53
	3/25/2016		6.34		91.91
	12/29/2015		6.24		92.01
	9/30/2015		8.07		90.18
	6/29/2015		7.04		91.21
	3/31/2015		7.45		90.80
	12/17/2013		8.50		89.75
	9/23/2013		9.32		88.93
	6/28/2013		8.25		90.00
	3/28/2013		8.21		90.04
	12/19/2012		9.02		89.23
	9/20/2012		9.92		88.33
	6/28/2012		8.82		89.43
	3/26/2012		8.05		90.20
	12/16/2011		8.93		89.32
	9/29/2011		9.36		88.89
	6/15/2011		7.94		90.31
	3/17/2011		11.90		86.35
	12/2/2010		12.39		85.86
	9/28/2010		10.73		87.52
	6/24/2010		7.64		90.61
	3/19/2010		7.89		90.36
	10/8/2009		8.45		89.80
	7/29/2009		9.26		88.99
	4/9/2009		9.23		89.02
	2/9/2009		9.73		88.52
	11/25/2008		10.28		87.97
	7/22/2008		8.64		89.61
	4/8/2008		4.91		93.34
	2/19/2008		7.31		90.94
	11/12/2007		9.52		88.73
	9/18/2007		9.62		88.63
	5/24/2007		7.77		90.48
	1/23/2007		6.90		91.35
	12/7/2006		7.87		90.38
MW-4 (off-site)	9/20/2016	98.33	7.94	0	90.39
	6/21/2016		6.82		91.51
	3/25/2016		6.43		91.90
	12/29/2015		6.15		92.18
	9/30/2015		8.18		90.15
	6/29/2015		7.09		91.24
	3/31/2015		7.53		90.80
	12/17/2013		8.62		89.71
	9/23/2013		9.41		88.92
	6/28/2013		8.27		90.06
	3/28/2013		8.30		90.03
	12/19/2012		10.00		88.33
	9/20/2012		10.04		88.29
	6/28/2012		8.99		89.34
	3/26/2012		8.11		90.22
	12/16/2011		9.08		89.25
	9/29/2011		9.52		88.81
	6/15/2011		8.10		90.23
	3/17/2011		12.02		86.31
	12/2/2010		12.54		85.79
	9/28/2010		10.90		87.43
	6/24/2010		7.82		90.51
	3/19/2010		8.03		90.30
	10/8/2009		8.60		89.73
	7/29/2009		9.33		89.00
	4/9/2009		9.33		89.00
	2/9/2009		9.85		88.48
	11/25/2008		10.41		87.92
	7/22/2008		8.78		89.55
	4/8/2008		5.02		93.31
	2/19/2008		7.40		90.93
	11/12/2007		9.65		88.68
	9/18/2007		9.77		88.56
	5/24/2007		7.91		90.42
	1/23/2007		7.03		91.30
	12/7/2006		8.00		90.33

Historical Groundwater Elevations Former Bigfoot #30					
Location	Date	Top of Casing Elevation (ft)	Depth to Groundwater* (ft)	Free Product Thickness (ft)	Groundwater Elevation (ft)
MW-5 (off-site)	9/20/2016	98.72	6.40	0	92.32
	6/21/2016		5.23		93.49
	3/25/2016		6.94		91.78
	12/29/2015		6.57		92.15
	9/30/2015		8.72		90.00
	6/29/2015		8.04		90.68
	3/31/2015		8.00		90.72
	12/17/2013		9.41		89.31
	9/23/2013		9.90		88.82
	6/28/2013		8.81		89.91
	3/28/2013		8.78		89.94
	12/19/2012		10.48		88.24
	9/20/2012		10.52		88.20
	6/28/2012		9.45		89.27
	3/26/2012		8.59		90.13
	12/16/2011		9.49		89.23
	9/29/2011		10.00		88.72
	6/15/2011		7.62		91.10
	3/17/2011		12.62		86.10
	12/2/2010		13.14		85.58
	9/28/2010		11.44		87.28
	6/24/2010		8.26		90.46
	3/19/2010		8.46		90.26
	10/8/2009		9.07		89.65
	7/29/2009		9.79		88.93
	4/9/2009		9.70		89.02
	2/9/2009		10.23		88.49
	11/25/2008		10.83		87.89
	7/22/2008		9.23		89.49
	4/8/2008		5.49		93.23
	2/19/2008		7.82		90.90
	11/12/2007		10.07		88.65
	9/18/2007		10.19		88.53
	5/24/2007		8.34		90.38
	1/23/2007		7.39		91.33
	12/7/2006		8.44		90.28
MW-6	9/20/2016	100.63	10.30	0	90.33
	6/21/2016		9.28		91.35
	3/25/2016		8.90		91.73
	12/29/2015		8.58		92.05
	9/30/2015		10.60		90.03
	6/29/2015		9.53		91.10
	3/31/2015		9.91		90.72
	12/17/2013		10.95		89.68
	9/23/2013		11.80		88.83
	6/28/2013		10.73		89.90
	3/28/2013		10.69		89.94
	12/19/2012		12.36		88.27
	9/20/2012		12.42		88.21
	6/28/2012		11.35		89.28
	3/26/2012		10.45		90.18
	12/16/2011		11.34		89.29
	9/29/2011		11.88		88.75
	6/15/2011		10.52		90.11
	3/17/2011		13.87		86.76
	12/2/2010		13.89		86.74
	9/28/2010		13.40		87.23
	6/24/2010		10.16		90.47
	3/19/2010		10.37		90.26
	10/8/2009		11.00		89.63
	7/29/2009		11.74		88.89
	4/9/2009		11.59		89.04
	2/9/2009		12.13		88.50
	11/25/2008		12.73		87.90
	7/22/2008		11.17		89.46
	4/8/2008		7.40		93.23
	2/19/2008		9.71		90.92
	11/12/2007		11.97		88.66
	9/18/2007		12.11		88.52
	5/24/2007		10.24		90.39
	1/23/2007		9.27		91.36
	12/7/2006		10.36		90.27

Historical Groundwater Elevations Former Bigfoot #30					
Location	Date	Top of Casing Elevation (ft)	Depth to Groundwater* (ft)	Free Product Thickness (ft)	Groundwater Elevation (ft)
MW-7	9/20/2016	100.61	10.30	0	90.31
	6/21/2016		9.19		91.42
	3/25/2016		8.82		91.79
	12/29/2015		8.52		92.09
	9/30/2015		10.62		89.99
	6/29/2015		9.48		91.13
	3/31/2015		9.90		90.71
	12/17/2013		10.88		89.73
	9/23/2013		11.79		88.82
	6/28/2013		10.67		89.94
	3/28/2013		10.61		90.00
	12/19/2012		12.32		88.29
	9/20/2012		12.42		88.19
	6/28/2012		11.32		89.29
	3/26/2012		10.42		90.19
	12/16/2011		11.33		89.28
	9/29/2011		11.85		88.76
	6/15/2011		10.52		90.09
	3/17/2011		14.08		86.53
	12/2/2010		14.09		86.52
	9/28/2010		13.43		87.18
	6/24/2010		10.15		90.46
	3/19/2010		10.36		90.25
	10/8/2009		10.99		89.62
	7/29/2009		11.73		88.88
	4/9/2009		11.57		89.04
	2/9/2009		12.12		88.49
	11/25/2008		12.73		87.88
	7/22/2008		11.19		89.42
	4/8/2008		7.38		93.23
	2/19/2008		9.69		90.92
	11/12/2007		11.96		88.65
	9/18/2007		12.11		88.50
	5/24/2007		10.23		90.38
	1/23/2007		9.24		91.37
	12/7/2006		10.31		90.30
MW-8	9/20/2016	100.38	10.04	0	90.34
	6/21/2016		8.89		91.49
	3/25/2016		8.50		91.88
	12/29/2015		7.81		92.57
	9/30/2015		10.38		90.00
	6/29/2015		9.10		91.28
	3/31/2015		9.55		90.83
	12/17/2013		10.57		89.81
	9/23/2013		11.41		88.97
	6/28/2013		10.39		89.99
	3/28/2013		10.33		90.05
	12/19/2012		11.95		88.43
	9/20/2012		12.01		88.37
	6/28/2012		10.97		89.41
	3/26/2012		10.07		90.31
	12/16/2011		11.00		89.38
	9/29/2011		11.30		89.08
	6/15/2011		10.22		90.16
	3/17/2011		12.65		87.73
	12/2/2010		12.52		87.86
	9/28/2010		12.58		87.80
	6/24/2010		9.87		90.51
	3/19/2010		10.09		90.29
	10/8/2009		10.61		89.77
	7/29/2009		11.21		89.17
	4/9/2009		11.28		89.10
	2/9/2009		11.68		88.70
	11/25/2008		12.34		88.04
	7/22/2008		10.85		89.53
	4/8/2008		6.96		93.42
	2/19/2008		9.42		90.96
	11/12/2007		11.62		88.76
	9/18/2007		11.74		88.64
	5/24/2007		9.96		90.42
	1/23/2007		8.95		91.43
	12/7/2006		10.08		90.30

Historical Groundwater Elevations Former Bigfoot #30					
Location	Date	Top of Casing Elevation (ft)	Depth to Groundwater* (ft)	Free Product Thickness (ft)	Groundwater Elevation (ft)
MW-9	12/19/2012	DESTROYED			
	9/20/2012	99.23	10.80	0	88.43
	6/28/2012		8.34		90.89
	3/26/2012		5.94		93.29
	12/16/2011		5.22		94.01
	9/29/2011		8.49		90.74
	6/15/2011		5.92		93.31
	3/17/2011		4.57		94.66
	12/2/2010		6.82		92.41
	9/28/2010		11.65		87.58
	6/24/2010		7.06		92.17
	3/19/2010		8.14		91.09
	10/8/2009		6.89		92.34
	7/29/2009		7.16		92.07
	4/9/2009		8.52		90.71
	2/9/2009		8.69		90.54
	11/25/2008		11.13		88.10
	7/22/2008		9.16		90.07
	4/8/2008		3.72		95.51
	2/19/2008		5.69		93.54
	11/12/2007		9.13		90.10
	9/18/2007		10.49		88.74
	5/24/2007		8.21		91.02
	1/23/2007		7.02		92.21
	12/7/2006		7.91		91.32
MW-10	9/20/2016	99.96	9.58	0	90.38
	6/21/2016		8.45		91.51
	3/25/2016		8.05		91.91
	12/29/2015		7.89		92.07
	9/30/2015		9.88		90.08
	6/29/2015		8.75		91.21
	3/31/2015		9.19		90.77
	12/17/2013		10.23		89.73
	9/23/2013		10.03		89.93
	6/28/2013		9.01		90.95
	3/28/2013		9.93		90.03
	12/19/2012		11.65		88.31
	9/20/2012		11.69		88.27
	6/28/2012		10.56		89.40
	3/26/2012		9.71		90.25
	12/16/2011		10.62		89.34
	9/29/2011		11.11		88.85
	6/15/2011		9.66		90.30
	3/17/2011		12.85		87.11
	12/2/2010		13.11		86.85
	9/28/2010		12.54		87.42
	6/24/2010		9.42		90.54
	3/19/2010		9.61		90.35
	10/8/2009		9.87		90.09
	7/29/2009		10.98		88.98
	4/9/2009		10.88		89.08
	2/9/2009		11.41		88.55
	11/25/2008		11.99		87.97
	7/22/2008		10.42		89.54
	4/8/2008		6.48		93.48
	2/19/2008		8.87		91.09
	11/12/2007		11.21		88.75
	9/18/2007		11.33		88.63
	5/24/2007		9.45		90.51
	1/23/2007		8.54		91.42
	12/7/2006		9.54		90.42

Historical Groundwater Elevations Former Bigfoot #30					
Location	Date	Top of Casing Elevation (ft)	Depth to Groundwater* (ft)	Free Product Thickness (ft)	Groundwater Elevation (ft)
MW-11	9/20/2016	100.00	9.83	0	90.17
	6/21/2016		8.54		91.46
	3/25/2016		8.15		91.85
	12/29/2015		8.00		92.00
	9/30/2015		9.95		90.05
	6/29/2015		8.88		91.12
	3/31/2015		9.26		90.74
	12/17/2013		10.28		89.72
	9/23/2013		11.11		88.89
	6/28/2013		10.08		89.92
	3/28/2013		9.99		90.01
	12/19/2012		11.71		88.29
	9/20/2012		11.78		88.22
	6/28/2012		10.62		89.38
	3/26/2012		9.77		90.23
	12/16/2011		10.66		89.34
	9/29/2011		11.17		88.83
	6/15/2011		9.82		90.18
	3/17/2011		DRY		--
	12/2/2010		12.87		87.13
	9/28/2010		12.63		87.37
	6/24/2010		9.48		90.52
	3/19/2010		9.69		90.31
	10/8/2009		10.30		89.70
	7/29/2009		11.14		88.86
	4/9/2009		10.93		89.07
	2/9/2009		11.45		88.55
	11/25/2008		12.03		87.97
	7/22/2008		10.53		89.47
	4/8/2008		6.72		93.28
	2/19/2008		9.03		90.97
	11/12/2007		11.29		88.71
	9/18/2007		11.41		88.59
	5/24/2007		9.55		90.45
	1/23/2007		8.60		91.40
	12/7/2006		9.65		90.35
MW-12	9/20/2016	99.61	9.28	0	90.33
	6/21/2016		8.21		91.40
	3/25/2016		7.73		91.88
	12/29/2015		7.52		92.09
	9/30/2015		9.56		90.05
	6/29/2015		8.49		91.12
	3/31/2015		8.87		90.74
	12/17/2013		9.84		89.77
	9/23/2013		10.69		88.92
	6/28/2013		9.62		89.99
	3/28/2013		9.56		90.05
	12/19/2012		11.26		88.35
	9/20/2012		11.33		88.28
	6/28/2012		10.22		89.39
	3/26/2012		9.35		90.26
	12/16/2011		10.25		89.36
	9/29/2011		10.76		88.85
	6/15/2011		9.46		90.15
	3/17/2011		13.45		86.16
	12/2/2010		14.01		85.60
	9/28/2010		12.32		87.29
	6/24/2010		9.08		90.53
	3/19/2010		9.29		90.32
	10/8/2009		9.93		89.68
	7/29/2009		10.74		88.87
	4/9/2009		10.51		89.10
	2/9/2009		11.03		88.58
	11/25/2008		11.64		87.97
	7/22/2008		10.17		89.44
	4/8/2008		6.31		93.30
	2/19/2008		8.61		91.00
	11/12/2007		10.87		88.74
	9/18/2007		11.01		88.60
	5/24/2007		9.14		90.47
	1/23/2007		8.17		91.44
	12/7/2006		9.16		90.45

Historical Groundwater Elevations Former Bigfoot #30					
Location	Date	Top of Casing Elevation (ft)	Depth to Groundwater* (ft)	Free Product Thickness (ft)	Groundwater Elevation (ft)
MW-13	9/20/2016	99.79	9.45	0	90.34
	6/21/2016		8.37		91.42
	3/25/2016		7.95		91.84
	12/29/2015		6.80		92.99
	9/30/2015		9.58		90.21
	6/29/2015		8.62		91.17
	3/31/2015		9.09		90.70
	12/17/2013		10.08		89.71
	9/23/2013		10.89		88.90
	6/28/2013		9.81		89.98
	3/28/2013		9.78		90.01
	12/19/2012		11.52		88.27
	9/20/2012		11.53		88.26
	6/28/2012		10.43		89.36
	3/26/2012		9.57		90.22
	12/16/2011		10.48		89.31
	9/29/2011		11.00		88.79
	6/15/2011		9.63		90.16
	3/17/2011		13.59		86.20
	12/2/2010		13.97		85.82
	9/28/2010		12.48		87.31
	6/24/2010		9.26		90.53
	3/19/2010		9.46		90.33
	10/8/2009		9.75		90.04
	7/29/2009		9.91		89.88
	4/9/2009		10.66		89.13
	2/9/2009		11.18		88.61
	11/25/2008		11.78		88.01
	7/22/2008		10.25		89.54
	4/8/2008		6.27		93.52
	2/19/2008		8.79		91.00
	11/12/2007		11.07		88.72
	9/18/2007		11.22		88.57
	5/24/2007		9.30		90.49
	1/23/2007		8.37		91.42
	12/7/2006		9.33		90.46
MW-14	9/20/2016	99.66	9.28	0	90.38
	6/21/2016		8.08		91.58
	3/25/2016		7.69		91.97
	12/29/2015		6.67		92.99
	9/30/2015		9.49		90.17
	6/29/2015		8.20		91.46
	3/31/2015		8.76		90.90
	12/17/2013		9.59		90.07
	9/23/2013		10.50		89.16
	6/28/2013		9.30		90.36
	3/28/2013		9.47		90.19
	12/19/2012		11.21		88.45
	9/20/2012		11.29		88.37
	6/28/2012		10.20		89.46
	3/26/2012		9.15		90.51
	12/16/2011		10.12		89.54
	9/29/2011		10.58		89.08
	6/15/2011		9.34		90.32
	3/17/2011		12.69		86.97
	12/2/2010		13.79		85.87
	9/28/2010		12.18		87.48
	6/24/2010		9.01		90.65
	3/19/2010		9.23		90.43
	10/8/2009		9.71		89.95
	7/29/2009		8.97		90.69
	4/9/2009		10.37		89.29
	2/9/2009		10.82		88.84
	11/25/2008		10.99		88.67
	7/22/2008		10.04		89.62
	4/8/2008		6.12		93.54
	2/19/2008		8.51		91.15
	11/12/2007		10.87		88.79
	9/18/2007		10.99		88.67
	5/24/2007		9.12		90.54
	1/23/2007		8.08		91.58
	12/7/2006		9.15		90.51

Historical Groundwater Elevations Former Bigfoot #30					
Location	Date	Top of Casing Elevation (ft)	Depth to Groundwater* (ft)	Free Product Thickness (ft)	Groundwater Elevation (ft)
MW-15 (off-site)	9/20/2016	98.12	7.85	0	90.27
	6/21/2016		6.75		91.37
	3/25/2016		6.29		91.83
	12/29/2015		8.16		89.96
	9/30/2015		8.09		90.03
	6/29/2015		7.42		90.70
	3/31/2015		7.48		90.64
	12/17/2013		8.51		89.61
	9/23/2013		9.32		88.80
	6/28/2013		8.26		89.86
	3/28/2013		8.20		89.92
	12/19/2012		10.62		87.50
	9/20/2012		9.93		88.19
	6/28/2012		8.88		89.24
	3/26/2012		8.02		90.10
	12/16/2011		8.98		89.14
	9/29/2011		9.46		88.66
	6/15/2011		7.98		90.14
	3/17/2011		12.04		86.08
	12/2/2010		12.50		85.62
	9/28/2010		10.84		87.28
	6/24/2010		7.68		90.44
	3/19/2010		7.90		90.22
	10/8/2009		8.47		89.65
	7/29/2009		9.00		89.12
	4/9/2009		9.18		88.94
	2/9/2009		9.72		88.40
	11/25/2008		10.27		87.85
	7/22/2008		8.65		89.47
	4/8/2008		4.94		93.18
	2/19/2008		7.29		90.83
	11/12/2007		9.50		88.62
	9/18/2007		9.64		88.48
	5/24/2007		7.80		90.32
	1/23/2007		6.89		91.23
	12/7/2006		7.86		90.26
MW-16	9/20/2016	100.18	9.67	0	90.51
	6/21/2016		8.68		91.50
	3/25/2016		8.30		91.88
	12/29/2015		8.03		92.15
	9/30/2015		10.11		90.07
	6/29/2015		9.00		91.18
	3/31/2015		9.40		90.78
	12/17/2013		10.40		89.78
	9/23/2013		11.25		88.93
	6/28/2013		10.20		89.98
	3/28/2013		10.15		90.03
	12/19/2012		11.81		88.37
	9/20/2012		11.88		88.30
	6/28/2012		10.77		89.41
	3/26/2012		9.92		90.26
MW-17	9/20/2016	99.19	8.80	0	90.39
	6/21/2016		7.65		91.54
	3/25/2016		7.28		91.91
	12/29/2015		7.20		91.99
	9/30/2015		9.05		90.14
	6/29/2015		7.99		91.20
	3/31/2015		8.40		90.79
	12/17/2013		9.45		89.74
	9/23/2013		10.27		88.92
	6/28/2013		9.18		90.01
	3/28/2013		9.14		90.05
	12/19/2012		10.87		88.32
	9/20/2012		10.88		88.31
	6/28/2012		9.75		89.44
	3/26/2012		8.93		90.26

Historical Groundwater Elevations Former Bigfoot #30					
Location	Date	Top of Casing Elevation (ft)	Depth to Groundwater* (ft)	Free Product Thickness (ft)	Groundwater Elevation (ft)
MW-18	9/20/2016	100.24	9.96	0	90.28
	6/21/2016		8.83		91.41
	3/25/2016		Couldn't gauge		---
	12/29/2015		8.24		92.00
	9/30/2015		10.22		90.02
	6/29/2015		9.11		91.13
	3/31/2015		9.51		90.73
	12/17/2013		10.52		89.72
	9/23/2013		11.39		88.85
	6/28/2013		10.29		89.95
	3/28/2013		10.25		89.99
	12/19/2012		11.95		88.29
	9/20/2012		12.00		88.24
	6/28/2012		10.91		89.33
	3/26/2012		10.05		90.19
MW-19 (off-site)	9/20/2016	99.14	8.87	0	90.27
	6/21/2016		7.74		91.40
	3/25/2016		7.33		91.81
	12/29/2015		7.18		91.96
	9/30/2015		9.17		89.97
	6/29/2015		7.60		91.54
	3/31/2015		8.45		90.69
	12/17/2013		9.43		89.71
	9/23/2013		10.33		88.81
	6/28/2013		9.23		89.91
	3/28/2013		9.19		89.95
	12/19/2012		10.89		88.25
	9/20/2012		10.93		88.21
	6/28/2012		9.82		89.32
	3/26/2012		8.98		90.16
MW-20 (off-site)	9/20/2016	99.08	7.77	0	91.31
	6/21/2016		6.63		92.45
	3/25/2016		6.24		92.84
	12/29/2015		6.14		92.94
	9/30/2015		8.01		91.07
	6/29/2015		6.95		92.13
	3/31/2015		8.22		90.86
	12/17/2013		8.42		90.66
	9/23/2013		9.23		89.85
	6/28/2013		8.16		90.92
	3/28/2013		8.11		90.97
	12/19/2012		9.82		89.26
	9/20/2012		9.83		89.25
	6/28/2012		8.74		90.34
	3/26/2012		7.89		91.19
MW-21	9/20/2016	99.62	9.25	0	90.37
	6/21/2016		8.23		91.39
	3/25/2016		7.94		91.68
	12/29/2015		6.01		93.61
	9/30/2015		9.73		89.89
	6/29/2015		8.72		90.90
	3/31/2015		8.72		90.90
	12/17/2013		9.85		89.77
	9/23/2013		10.70		88.92
	6/28/2013		9.66		89.96
	3/28/2013		9.61		90.01
*Measured from top of casing					

Historical Groundwater Analyses Results
Former Bigfoot #30
Concentrations in parts per billion, ppb

Location	Date	Benzene	Toluene	Ethyl-benzene	Xylenes	MTBE	Naphthalene	Benzo(a) anthracene	Benzo(a) pyrene	Benzo(b) fluoranthene	Benzo(k) fluoranthene	Chrysene	Dibenzo(a,h) anthracene	Indeno(1,2,3-cd) pyrene	Lead
MW-1	9/20/2016	<0.5	<5	<0.5	<1.5	<1	0.275	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	*7.9*
	6/21/2016	<0.5	<5	<0.5	<1.5	6.6	0.275	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	*<5*
	3/25/2016	<0.5	<5	<0.5	<1.5	5.59	<0.25	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	*<5*
	12/29/2015	<0.5	<5	<0.5	<1.5	5.41	<0.25	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	*<5*
	9/30/2015	<0.5	<5	<0.5	<1.5	6.15	<0.25	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	*7.12*
	6/29/2015	<0.5	<5	<0.5	<1.5	4.78	<0.25	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	*18.7*
	3/31/2015	<0.5	<5	<0.5	<1.5	3.72	<0.25	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	*10.8*
	12/17/2013	<0.5	<5	<0.5	<1.5	7.6	<0.25	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	*<5*
	9/23/2013	<0.5	<5	<0.5	<1.5	6.2	<0.25	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	*9*
	6/28/2013	<0.5	<5	<0.5	<1.5	6.2	<0.25	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	*<5*
	3/28/2013	<0.5	<5	<0.5	<1.5	5.3	<0.25	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	*<5*
	12/19/2012	<0.5	<5	<0.5	<1.5	7.3	<0.25	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	*<5*
	9/20/2012	<0.5	<5	<0.5	<1.5	8.9	<0.25	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	*<5*
	6/28/2012	<0.5	<5	<0.5	<1.5	5.9	<0.25	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	*10*
	3/26/2012	<0.5	<5	<0.5	<1.5	5.9	<0.25	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	*6.8*
	12/16/2011	<0.5	<5	<0.5	<1.5	3.2	<0.25	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	
	9/29/2011	<0.5	<5	<0.5	<1.5	<1	<0.25	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	
	6/15/2011	<0.5	<5	<0.5	<1.5	3.5	<0.25	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	
	3/17/2011	0.78	<5	<0.5	<1.5	<1	NOT SAMPLED DUE TO INSUFFICIENT VOLUME OF WATER IN WELL								
	12/2/2010	<0.5	<5	<0.5	<1.5	6.9									
	9/28/2010	<0.5	<5	<0.5	<1.5	8.1	<1	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	
	6/24/2010	<0.5	<5	<0.5	<1.5	8	3	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	
	3/19/2010	<0.5	<5	<0.5	<1.5	5.9	<1	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	
	10/8/2009	<0.5	<5	<0.5	<1.5	8.1	<1	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	
	7/29/2009	<0.5	<5	<0.5	<1.5	9.1	<1	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	
	4/9/2009	<0.5	<5	<0.5	<1.5	4.6	<0.05	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	NS
	2/9/2009	<0.5	<5	<0.5	<1.5	5.5	<0.05	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	
	11/25/2008	<0.5	<5	<0.5	<1.5	8.1	0.14	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	
	7/22/2008	<0.5	<5	<0.5	<1.5	14	<0.05	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	
	4/8/2008	<0.5	<5	<0.5	<1.5	14	<0.05	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	
	2/19/2008	<0.5	<5	<0.5	<1.5	12	<1.1	<1.1	<1.1	<1.1	<1.1	<1.1	<1.1	<1.1	
	11/12/2007	<0.5	<5	<0.5	<1.5	13	<0.05	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	
	9/18/2007	<0.5	<5	<0.5	<1.5	14	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	
	5/24/2007	<0.5	<5	<0.5	<1.5	13	<1	<1	<1	<1	<1	<1	<1	<1	
	1/23/2007	<0.5	<5	<0.5	<1.5	13	4.7	<1	<1	<1	<1	<1	<1	<1	
	12/7/2006	<0.5	<5	<0.5	<1.5	16	<1	<1	<1	<1	<1	<1	<1	<1	

Historical Groundwater Analyses Results
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Concentrations in parts per billion, ppb

Location	Date	Benzene	Toluene	Ethyl-benzene	Xylenes	MTBE	Naphthalene	Benzo(a) anthracene	Benzo(a) pyrene	Benzo(b) fluoranthene	Benzo(k) fluoranthene	Chrysene	Dibenzo(a,h) anthracene	Indeno(1,2,3-cd) pyrene	Lead
MW-2 (off-site)	9/20/2016	Not sampled per IDEM request													
	6/21/2016														
	3/25/2016														
	12/29/2015	<0.5	<5	<0.5	<1.5	<1	<0.25	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<5
	9/30/2015	Not sampled per IDEM request													
	6/29/2015														
	3/31/2015														
	12/17/2013	<0.5	<5	<0.5	<1.5	<1	<0.25	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<5
	9/23/2013	Not sampled per IDEM request													
	6/28/2013														
	3/28/2013														
	12/19/2012	<0.5	<5	<0.5	<1.5	<1	<0.25	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<5
	9/20/2012	<0.5	<5	<0.5	<1.5	<1	<0.25	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<5
	6/28/2012	<0.5	<5	<0.5	<1.5	<1	<0.25	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	6.7
	3/26/2012	<0.5	<5	<0.5	<1.5	<1	<0.25	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<5
	12/16/2011	<0.5	<5	<0.5	<1.5	<1	<0.25	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	
	9/29/2011	<0.5	<5	<0.5	<1.5	<1	<0.25	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	
	6/15/2011	<0.5	<5	<0.5	<1.5	<1	<0.25	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	
	3/17/2011	<0.5	<5	<0.5	<1.5	<1	<1	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	
	12/2/2010	<0.5	<5	<0.5	<1.5	<1	<1	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	
	9/28/2010	<0.5	<5	<0.5	<1.5	<1	<1	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	
	6/24/2010	<0.5	<5	<0.5	<1.5	<1	<1	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	
	3/19/2010	<0.5	<5	<0.5	<1.5	<1	<1	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	
	10/8/2009	<0.5	<5	<0.5	<1.5	<1	<1	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	
	7/29/2009	<0.5	<5	<0.5	<1.5	<1	<1	<0.01	0.044	<0.01	<0.01	<0.01	<0.01	<0.01	
	4/9/2009	<0.5	<5	<0.5	<1.5	<1	<0.05	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	NS
	2/9/2009	<0.5	<5	<0.5	<1.5	<1	<0.05	0.011	0.011	0.03	0.016	0.092	<0.01	<0.01	
	11/25/2008	<0.5	<5	<0.5	<1.5	<1	<0.05	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	
	7/22/2008	<0.5	<5	<0.5	<1.5	<1	<0.05	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	
	4/8/2008	<0.5	<5	<0.5	<1.5	<1	<0.05	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	
	2/19/2008	<0.5	<5	<0.5	<1.5	<1	<1.1	<1.1	<1.1	<1.1	<1.1	<1.1	<1.1	<1.1	
	11/12/2007	<0.5	<5	<0.5	<1.5	<1	<0.05	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	
	9/18/2007	<0.5	<5	<0.5	<1.5	<1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	
	5/24/2007	<0.5	<5	<0.5	<1.5	<1	<1	<1	<1	<1	<1	<1	<1	<1	
	1/23/2007	<0.5	<5	<0.5	<1.5	<1	<1	<1	<1	<1	<1	<1	<1	<1	
	12/7/2006	<0.5	<5	<0.5	<1.5	<1	<1	<1	<1	<1	<1	<1	<1	<1	

Historical Groundwater Analyses Results
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Concentrations in parts per billion, ppb

Location	Date	Benzene	Toluene	Ethyl-benzene	Xylenes	MTBE	Naphthalene	Benzo(a) anthracene	Benzo(a) pyrene	Benzo(b) fluoranthene	Benzo(k) fluoranthene	Chrysene	Dibenzo(a,h) anthracene	Indeno(1,2,3-cd) pyrene	Lead
MW-3 (off-site)	9/20/2016	Not sampled per IDEM request													
	6/21/2016														
	3/25/2016														
	12/29/2015	<0.5	<5	<0.5	<1.5	<1	<0.25	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	*11.2*
	9/30/2015	Not sampled per IDEM request													
	6/29/2015														
	3/31/2015														
	12/17/2013	<0.5	<5	<0.5	<1.5	<1	<0.25	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	*<5*
	9/23/2013	Not sampled per IDEM request													
	6/28/2013														
	3/28/2013														
	12/19/2012	<0.5	<5	<0.5	<1.5	<1	<0.25	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	*<5*
	9/20/2012	<0.5	<5	<0.5	<1.5	<1	<0.25	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	*<5*
	6/28/2012	<0.5	<5	<0.5	<1.5	<1	<0.25	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	*11*
	3/26/2012	<0.5	<5	<0.5	<1.5	<1	<0.25	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	*<5*
	12/16/2011	<0.5	<5	<0.5	<1.5	<1	<0.25	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	NS
	9/29/2011	<0.5	<5	<0.5	<1.5	<1	<0.25	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	
	6/15/2011	<0.5	<5	<0.5	<1.5	<1	<0.25	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	
	3/17/2011	<0.5	<5	<0.5	<1.5	<1	<1	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	
	12/2/2010	<0.5	<5	<0.5	<1.5	<1	<1	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	
	9/28/2010	<0.5	<5	<0.5	<1.5	<1	<1	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	
	6/24/2010	<0.5	<5	<0.5	<1.5	<1	<1	0.035	0.025	0.028	0.012	0.022	<0.01	0.018	
	3/19/2010	<0.5	<5	<0.5	<1.5	<1	<1	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	
	10/8/2009	<0.5	<5	<0.5	<1.5	<1	<1	0.01	<0.01	<0.01	<0.01	0.025	<0.01	<0.01	
	7/29/2009	<0.5	<5	<0.5	<1.5	<1	<1	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	
	4/9/2009	<0.5	<5	<0.5	<1.5	<1	<0.05	0.024	0.028	0.042	0.016	0.03	<0.01	<0.01	
	2/9/2009	<0.5	<5	<0.5	<1.5	<1	<0.05	0.25	0.14	0.18	0.089	0.27	<0.01	0.098	
	11/25/2008	<0.5	<5	<0.5	<1.5	<1	0.13	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	
	7/22/2008	<0.5	<5	<0.5	<1.5	<1	<0.05	0.05	0.037	0.053	0.023	0.05	<0.01	0.022	
	4/8/2008	<0.5	<5	<0.5	<1.5	<1	<0.05	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	
	2/19/2008	<0.5	<5	<0.5	<1.5	<1	<1.3	<1.3	<1.3	<1.3	<1.3	<1.3	<1.3	<1.3	
	11/12/2007	<0.5	<5	<0.5	<1.5	<1	<0.05	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	
	9/18/2007	<0.5	<5	<0.5	<1.5	<1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	
	5/24/2007	<0.5	<5	<0.5	<1.5	<1	<1	<1	<1	<1	<1	<1	<1	<1	
	1/23/2007	<0.5	<5	<0.5	<1.5	<1	<1	<1	<1	<1	<1	<1	<1	<1	
	12/7/2006	<0.5	<5	<0.5	<1.5	<1	<1	<1	<1	<1	<1	<1	<1	<1	

Historical Groundwater Analyses Results
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Concentrations in parts per billion, ppb

Location	Date	Benzene	Toluene	Ethyl-benzene	Xylenes	MTBE	Naphthalene	Benzo(a) anthracene	Benzo(a) pyrene	Benzo(b) fluoranthene	Benzo(k) fluoranthene	Chrysene	Dibenzo(a,h) anthracene	Indeno(1,2,3-cd) pyrene	Lead
MW-4 (off-site)	9/20/2016	Not sampled per IDEM request													
	6/21/2016														
	3/25/2016														
	12/29/2015	<0.5	<5	<0.5	<1.5	<1	<0.25	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	*8.99*
	9/30/2015	Not sampled per IDEM request													
	6/29/2015														
	3/31/2015														
	12/17/2013	<0.5	<5	<0.5	<1.5	<1	<0.25	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	*<5*
	9/23/2013	Not sampled per IDEM request													
	6/28/2013														
	3/28/2013														
	12/19/2012	<0.5	<5	<0.5	<1.5	<1	<0.25	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	*<5*
	9/20/2012	<0.5	<5	<0.5	<1.5	<1	<0.25	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	*<5*
	6/28/2012	<0.5	<5	<0.5	<1.5	<1	<0.25	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	*9.6*
	3/26/2012	<0.5	<5	<0.5	<1.5	<1	<0.25	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	*<5*
	12/16/2011	<0.5	<5	<0.5	<1.5	<1	<0.25	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	
	9/29/2011	<0.5	<5	<0.5	<1.5	<1	<0.25	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	
	6/15/2011	<0.5	<5	<0.5	<1.5	<1	<0.25	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	
	3/17/2011	<0.5	<5	<0.5	<1.5	<1	<1	<0.01	<0.01	<0.01	<0.01	0.01	<0.01	<0.01	
	12/2/2010	<0.5	<5	<0.5	<1.5	<1	<1	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	
	9/28/2010	<0.5	<5	<0.5	<1.5	<1	<1	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	
	6/24/2010	<0.5	<5	<0.5	<1.5	<1	<1	0.015	<0.01	0.011	<0.01	0.01	<0.01	0.012	
	3/19/2010	<0.5	<5	<0.5	<1.5	<1	<1	0.016	0.018	0.024	0.011	0.024	<0.01	0.023	
	10/8/2009	<0.5	<5	<0.5	<1.5	<1	<1	0.02	<0.01	<0.01	<0.01	0.039	0.04	0.034	
	7/29/2009	<0.5	<5	<0.5	<1.5	<1	<1	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	
	4/9/2009	<0.5	<5	<0.5	<1.5	<1	<0.05	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	NS
	2/9/2009	<0.5	<5	<0.5	<1.5	<1	<0.05	<0.01	0.018	0.044	0.016	0.058	<0.01	0.022	
	11/25/2008	<0.5	<5	<0.5	<1.5	<1	0.10	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	
	7/22/2008	<0.5	<5	<0.5	<1.5	<1	<0.05	<0.01	0.019	0.043	0.015	0.035	<0.01	<0.01	
	4/8/2008	<0.5	<5	<0.5	<1.5	<1	<0.05	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	
	2/19/2008	<0.5	<5	<0.5	<1.5	<1	<1.2	<1.2	<1.2	<1.2	<1.2	<1.2	<1.2	<1.2	
	11/12/2007	<0.5	<5	<0.5	<1.5	<1	0.055	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	
	9/18/2007	<0.5	<5	<0.5	<1.5	<1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	
	5/24/2007	<0.5	<5	<0.5	<1.5	<1	<1	<1	<1	<1	<1	<1	<1	<1	
	1/23/2007	<0.5	<5	<0.5	<1.5	<1	<1	<1	<1	<1	<1	<1	<1	<1	
	12/7/2006	<0.5	<5	<0.5	<1.5	<1	<1	<1	<1	<1	<1	<1	<1	<1	

Historical Groundwater Analyses Results
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Location	Date	Benzene	Toluene	Ethyl-benzene	Xylenes	MTBE	Naphthalene	Benzo(a) anthracene	Benzo(a) pyrene	Benzo(b) fluoranthene	Benzo(k) fluoranthene	Chrysene	Dibenzo(a,h) anthracene	Indeno(1,2,3-cd) pyrene	Lead
MW-5 (off-site)	9/20/2016	Not sampled per IDEM request													
	6/21/2016														
	3/25/2016														
	12/29/2015	<0.5	<5	<0.5	<1.5	<1	<0.25	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	*16.8*
	9/30/2015	Not sampled per IDEM request													
	6/29/2015														
	3/31/2015														
	12/17/2013	<0.5	<5	<0.5	<1.5	<1	<0.25	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	*<5*
	9/23/2013	Not sampled per IDEM request													
	6/28/2013														
	3/28/2013														
	12/19/2012	<0.5	<5	<0.5	<1.5	<1	<0.25	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	*<5*
	9/20/2012	<0.5	<5	<0.5	<1.5	<1	<0.25	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	*<5*
	6/28/2012	<0.5	<5	<0.5	<1.5	<1	<0.25	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	*9.8*
	3/26/2012	<0.5	<5	<0.5	<1.5	<1	<0.25	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	*<5*
	12/16/2011	<0.5	<5	<0.5	<1.5	<1	<0.25	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	
	9/29/2011	<0.5	<5	<0.5	<1.5	<1	<0.25	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	
	6/15/2011	<0.5	<5	<0.5	<1.5	<1	<0.25	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	
	3/17/2011	<0.5	<5	<0.5	<1.5	<1	<1	0.071	0.012	0.024	<0.01	<0.01	<0.01	0.015	
	12/2/2010	<0.5	<5	<0.5	<1.5	<1	NOT SAMPLED DUE TO INSUFFICIENT VOLUME OF WATER IN WELL								
	9/28/2010	<0.5	<5	<0.5	<1.5	<1	<1	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	
	6/24/2010	<0.5	<5	<0.5	<1.5	<1	<1	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	
	3/19/2010	<0.5	<5	<0.5	<1.5	<1	<1	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	
	10/8/2009	<0.5	<5	<0.5	<1.5	<1	<1	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	
	7/29/2009	<0.5	<5	<0.5	<1.5	<1	<1	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	
	4/9/2009	<0.5	<5	<0.5	<1.5	<1	<0.05	<0.01	<0.01	<0.01	<0.01	0.012	<0.01	<0.01	NS
	2/9/2009	<0.5	<5	<0.5	<1.5	<1	<0.05	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	
	11/25/2008	<0.5	<5	<0.5	<1.5	<1	<0.05	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	
	7/22/2008	<0.5	<5	<0.5	<1.5	<1	0.56	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	
	4/8/2008	<0.5	<5	<0.5	<1.5	<1	<0.05	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	
	2/19/2008	<0.5	<5	<0.5	<1.5	<1	<1	<1	<1	<1	<1	<1	<1	<1	
	11/12/2007	<0.5	<5	<0.5	<1.5	<1	<0.05	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	
	9/18/2007	<0.5	<5	<0.5	<1.5	<1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	
	5/24/2007	<0.5	<5	<0.5	<1.5	<1	<1	<1	<1	<1	<1	<1	<1	<1	
	1/23/2007	<0.5	<5	<0.5	<1.5	<1	<1	<1	<1	<1	<1	<1	<1	<1	
	12/7/2006	<0.5	<5	<0.5	<1.5	<1	<1	<1	<1	<1	<1	<1	<1	<1	

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Location	Date	Benzene	Toluene	Ethyl-benzene	Xylenes	MTBE	Naphthalene	Benzo(a) anthracene	Benzo(a) pyrene	Benzo(b) fluoranthene	Benzo(k) fluoranthene	Chrysene	Dibenzo(a,h) anthracene	Indeno(1,2,3-cd) pyrene	Lead
MW-6	9/20/2016	Not sampled per IDEM request													
	6/21/2016														
	3/25/2016														
	12/29/2015	<0.5	<5	<0.5	<1.5	<1	<0.25	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	*11.7*
	9/30/2015	Not sampled per IDEM request													
	6/29/2015														
	3/31/2015														
	12/17/2013	<0.5	<5	<0.5	<1.5	<1	<0.25	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	*<5*
	9/23/2013	Not sampled per IDEM request													
	6/28/2013														
	3/28/2013														
	12/19/2012	<0.5	<5	<0.5	<1.5	<1	<0.25	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	*<5*
	9/20/2012	<0.5	<5	<0.5	<1.5	<1	<0.25	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	*<5*
	6/28/2012	<0.5	<5	<0.5	<1.5	<1	<0.25	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	*21*
	3/26/2012	<0.5	<5	<0.5	<1.5	<1	<0.25	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	*<5*
	12/16/2011	<0.5	<5	<0.5	<1.5	<1	<0.25	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	NS
	9/29/2011	<0.5	<5	<0.5	<1.5	<1	<0.25	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	
	6/15/2011	<0.5	<5	<0.5	<1.5	<1	<0.25	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	
	3/17/2011	<0.5	<5	<0.5	<1.5	<1	NOT SAMPLED DUE TO INSUFFICIENT VOLUME OF WATER IN WELL								
	12/2/2010	<0.5	<5	<0.5	<1.5	<1									
	9/28/2010	<0.5	<5	<0.5	<1.5	<1									
	6/24/2010	<0.5	<5	<0.5	<1.5	<1	<1	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	
	3/19/2010	<0.5	<5	<0.5	<1.5	<1	<1	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	
	10/8/2009	<0.5	<5	<0.5	<1.5	<1	<1	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	
	7/29/2009	<0.5	<5	<0.5	<1.5	<1	<1	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	
	4/9/2009	<0.5	<5	<0.5	<1.5	<1	<0.05	<0.01	<0.01	<0.01	<0.01	0.015	<0.01	<0.01	
	2/9/2009	<0.5	<5	<0.5	<1.5	<1	<0.05	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	
	11/25/2008	<0.5	<5	1	5.5	<1	<0.05	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	
	7/22/2008	<0.5	<5	<0.5	<1.5	<1	<0.05	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	
	4/8/2008	<0.5	<5	<0.5	<1.5	<1	<0.05	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	
	2/19/2008	<0.5	<5	<0.5	<1.5	<1	<1	<1	<1	<1	<1	<1	<1	<1	
	11/12/2007	<0.5	<5	<0.5	<1.5	<1	<0.05	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	
	9/18/2007	<0.5	<5	<0.5	<1.5	<1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	
	5/24/2007	<0.5	<5	<0.5	<1.5	<1	<1	<1	<1	<1	<1	<1	<1	<1	
	1/23/2007	<0.5	<5	<0.5	<1.5	<1	<1	<1	<1	<1	<1	<1	<1	<1	
	12/7/2006	0.72	<5	<0.5	<1.5	<1	<1	<1	<1	<1	<1	<1	<1	<1	

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Location	Date	Benzene	Toluene	Ethyl-benzene	Xylenes	MTBE	Naphthalene	Benzo(a) anthracene	Benzo(a) pyrene	Benzo(b) fluoranthene	Benzo(k) fluoranthene	Chrysene	Dibenzo(a,h) anthracene	Indeno(1,2,3-cd) pyrene	Lead
MW-7	9/20/2016	Not sampled per IDEM request													
	6/21/2016														
	3/25/2016														
	12/29/2015	<0.5	<5	<0.5	<1.5	<1	<0.25	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	*<5*
	9/30/2015	Not sampled per IDEM request													
	6/29/2015														
	3/31/2015														
	12/17/2013	<0.5	<5	<0.5	<1.5	<1	<0.25	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	*<5*
	9/23/2013	Not sampled per IDEM request													
	6/28/2013														
	3/28/2013														
	12/19/2012	<0.5	<5	<0.5	<1.5	<1	<0.25	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	*<5*
	9/20/2012	<0.5	<5	<0.5	<1.5	<1	<0.25	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	*<5*
	6/28/2012	<0.5	<5	<0.5	<1.5	<1	<0.25	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	*9.2*
	3/26/2012	<0.5	<5	<0.5	<1.5	<1	<0.25	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	*<5*
	12/16/2011	<0.5	<5	<0.5	<1.5	<1	<0.25	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	NS
	9/29/2011	<0.5	<5	<0.5	<1.5	<1	<0.25	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	
	6/15/2011	<0.5	<5	<0.5	<1.5	<1	<0.25	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	
	3/17/2011	<0.5	<5	<0.5	<1.5	<1	NOT SAMPLED DUE TO INSUFFICIENT VOLUME OF WATER IN WELL								
	12/2/2010	<0.5	<5	<0.5	<1.5	<1									
	9/28/2010	<0.5	<5	<0.5	<1.5	<1	<1	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	
	6/24/2010	<0.5	<5	<0.5	<1.5	<1	<1	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	
	3/19/2010	<0.5	<5	<0.5	<1.5	<1	<1	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	
	10/8/2009	SAMPLE BROKE DURING SHIPMENT					<1	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	
	7/29/2009	<0.5	<5	<0.5	<1.5	<1	<1	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	
	4/9/2009	<0.5	<5	<0.5	<1.5	<1	<0.05	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	
	2/9/2009	<0.5	<5	<0.5	<1.5	<1	<0.05	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	
	11/25/2008	<0.5	<5	0.86	4	<1	<0.05	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	
	7/22/2008	<0.5	<5	<0.5	<1.5	<1	<0.05	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	
	4/8/2008	<0.5	<5	<0.5	<1.5	<1	<0.05	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	
	2/19/2008	<0.5	<5	<0.5	<1.5	<1	<1	<1	<1	<1	<1	<1	<1	<1	
	11/12/2007	<0.5	<5	<0.5	<1.5	<1	<0.05	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	
	9/18/2007	<0.5	<5	<0.5	<1.5	<1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	
	5/24/2007	<0.5	<5	<0.5	<1.5	<1	<1	<1	<1	<1	<1	<1	<1	<1	
	1/23/2007	<0.5	<5	<0.5	<1.5	<1	<1	<1	<1	<1	<1	<1	<1	<1	
	12/7/2006	<0.5	<5	<0.5	<1.5	<1	<1	<1	<1	<1	<1	<1	<1	<1	

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Location	Date	Benzene	Toluene	Ethyl-benzene	Xylenes	MTBE	Naphthalene	Benzo(a) anthracene	Benzo(a) pyrene	Benzo(b) fluoranthene	Benzo(k) fluoranthene	Chrysene	Dibenzo(a,h) anthracene	Indeno(1,2,3-cd) pyrene	Lead
MW-8	9/20/2016	602	<25	31.3	62.9	<5	4.41	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	*18.9*
	6/21/2016	**429**	30.7	21.4	36.3	16.4	2.87	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<5
	3/25/2016	**140**	5.79	10.5	13.7	<1	0.68	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<5
	12/29/2015	**236**	<25	12.1	19.4	9.4	0.743	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<5
	9/30/2015	**551**	62.9	37.5	75	43	3.2	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<5
	6/29/2015	**367**	25.1	19	32.2	15.7	1.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	*11.4*
	3/31/2015	**330**	<25	25.8	43.5	15.1	1.06	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<5
	12/17/2013	**570**	13	26	37	11	1.7	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<5
	9/23/2013	**960**	68	65	92	40	2.2	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	*5.2*
	6/28/2013	**370**	<5	22	26	40	0.73	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	*8.2*
	3/28/2013	**580**	<25	34	49	21	0.84	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<5
	12/19/2012	**530**	<25	48	43	16	5.3	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<5
	9/20/2012	**640**	<50	40	46	27	1.9	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<5
	6/28/2012	**610**	47	46	47	20	0.72	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	*18*
	3/26/2012	**110**	<25	4.1	<7.5	<5	0.25	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	*5.7*
	12/16/2011	**220**	<50	21	28	25	1.4	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	
	9/29/2011	**410**	25	18	19	7	1.4	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	
	6/15/2011	**560**	<50	32	31	16	0.97	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	
	3/17/2011	**550**	<50	22	28	25	<1	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	
	12/2/2010	**720**	61	45	46	*80*	<1	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	
	9/28/2010	**700**	51	58	58	33	1.7	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	
	6/24/2010	**1,100**	<100	110	120	<20	2	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	
	3/19/2010	**100**	6.8	11	7.9	4.8	<1	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	
	10/8/2009	**690**	<50	77	65	37	1.1	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	
	7/29/2009	**59**	<5	15	5.1	6.3	<1	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	
	4/9/2009	**410**	<100	54	<30	<20	0.52	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	NS
	2/9/2009	**210**	35	39	24	21	0.89	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	
	11/25/2008	**560**	<25	140	38	15	4.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	
	7/22/2008	**410**	<25	61	28	16	2	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	
	4/8/2008	**340**	<120	120	85	30	1.1	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	
	2/19/2008	**230**	<250	60	<75	*<50*	4.4	<1	<1	<1	<1	<1	<1	<1	
	11/12/2007	**800**	<120	160	94	35	*25*	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	
	9/18/2007	**600**	<25	220	110	22	*74*	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	
	5/24/2007	**850**	<250	310	140	*70*	*30*	<1	<1	<1	<1	<1	<1	<1	
	1/23/2007	**460**	<500	200	<150	*<100*	*130*	<1	<1	<1	<1	<1	<1	<1	
	12/7/2006	**730**	<120	390	210	*67*	*200*	<10	<10	<10	<10	<10	<10	<10	

Historical Groundwater Analyses Results
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Location	Date	Benzene	Toluene	Ethyl-benzene	Xylenes	MTBE	Naphthalene	Benzo(a) anthracene	Benzo(a) pyrene	Benzo(b) fluoranthene	Benzo(k) fluoranthene	Chrysene	Dibenzo(a,h) anthracene	Indeno(1,2,3-cd) pyrene	Lead
MW-9	12/19/2012	DESTROYED													
	9/20/2012	<0.5	<5	<0.5	<1.5	5.1	<0.25	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<5
	6/28/2012	<0.5	<5	<0.5	<1.5	<1	<0.25	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	9.2
	3/26/2012	<0.5	<5	<0.5	<1.5	<1	<0.25	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<5
	12/16/2011	<0.5	<5	<0.5	<1.5	<1	<0.25	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	
	9/29/2011	<0.5	<5	<0.5	<1.5	<1	<0.25	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	
	6/15/2011	<0.5	<5	<0.5	<1.5	<1	<0.25	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	
	3/17/2011	<0.5	<5	<0.5	<1.5	<1	<1	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	
	12/2/2010	<0.5	<5	<0.5	<1.5	<1	<1	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	
	9/28/2010	0.51	<5	<0.5	<1.5	<1	<1	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	
	6/24/2010	<0.5	<5	<0.5	<1.5	<1	<1	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	
	3/19/2010	<0.5	<5	<0.5	<1.5	<1	<1	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	
	10/8/2009	<0.5	<5	<0.5	<1.5	<1	<1	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	
	7/29/2009	<0.5	<5	<0.5	<1.5	<1	<1	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	
	4/9/2009	<0.5	<5	<0.5	<1.5	<1	<0.05	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	NS
	2/9/2009	<0.5	<5	<0.5	<1.5	<1	0.31	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	
	11/25/2008	<0.5	<5	0.67	2.7	<1	<0.05	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	
	7/22/2008	<0.5	<5	1.6	1.7	<1	<0.05	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	
	4/8/2008	<0.5	<5	<0.5	<1.5	<1	0.052	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	
	2/19/2008	0.82	<5	<0.5	<1.5	<1	<1	<1	<1	<1	<1	<1	<1	<1	
	11/12/2007	<0.5	<5	<0.5	<1.5	<1	<0.05	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	
	9/18/2007	<0.5	<5	<0.5	<1.5	3	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	
	5/24/2007	<0.5	<5	<0.5	<1.5	1.5	<1	<1	<1	<1	<1	<1	<1	<1	
	1/23/2007	<0.5	<5	<0.5	<1.5	<1	<1	<1	<1	<1	<1	<1	<1	<1	
	12/7/2006	<0.5	<5	<0.5	<1.5	1.7	<1	<1	<1	<1	<1	<1	<1	<1	

Historical Groundwater Analyses Results
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Location	Date	Benzene	Toluene	Ethyl-benzene	Xylenes	MTBE	Naphthalene	Benzo(a) anthracene	Benzo(a) pyrene	Benzo(b) fluoranthene	Benzo(k) fluoranthene	Chrysene	Dibenzo(a,h) anthracene	Indeno(1,2,3-cd) pyrene	Lead
MW-10	9/20/2016	*24.7*	<5	1.71	4.95	33.5	1.57	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	*7.21*
	6/21/2016	*33.2*	<5	1.68	5.65	47.4	2.07	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	*<5*
	3/25/2016	*41.5*	<5	14.2	5.79	<1	2.33	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	*<5*
	12/29/2015	*40.7*	<5	38.5	11.7	<1	34	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	*<5*
	9/30/2015	*35.1*	5.01	2.37	7.24	28.4	1.63	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	*<5*
	6/29/2015	*22.8*	<5	39	15.5	28.9	*17.7*	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	*15.8*
	3/31/2015	*48.5*	<5	9.2	9.83	*41.6*	3.83	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	*<5*
	12/17/2013	**62**	<5	16	13	45	6.4	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	*<5*
	9/23/2013	**110**	<5	28	20	*84*	*14*	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	*<5*
	6/28/2013	*45*	<5	89	49	*56*	*48*	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	*<5*
	3/28/2013	**87**	<5	29	18	73	8.4	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	*<5*
	12/19/2012	**130**	7.3	24	26	76	19	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	*<5*
	9/20/2012	**87**	<5	10	16	76	7.4	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	*22*
	6/28/2012	**62**	6.2	6.9	6	25	3.6	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	*<5*
	3/26/2012	**61**	<25	110	83	*30*	*58*	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	*<5*
	12/16/2011	**88**	5	62	28	78	45	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	NS
	9/29/2011	**120**	11	180	140	48	79	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	
	6/15/2011	**130**	<50	210	90	*87*	*82*	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	
	3/17/2011	**260**	<25	220	210	*400*	NOT SAMPLED DUE TO INSUFFICIENT VOLUME OF WATER IN WELL								
	12/2/2010	**280**	29	88	99	*290*	<1	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	
	9/28/2010	**280**	<25	72	28	*90*	NOT SAMPLED DUE TO INSUFFICIENT VOLUME OF WATER IN WELL								
	6/24/2010	**320**	26	360	250	*160*	*53*	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	
	3/19/2010	**500**	40	380	97	*270*	*41*	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	
	10/8/2009	**190**	54	360	320	*310*	*52*	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	
	7/29/2009	**440**	<50	260	220	*210*	*44*	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	
	4/9/2009	**580**	<100	140	95	*93*	*29*	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	
	2/9/2009	**760**	<50	130	110	*230*	*12*	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	
	11/25/2008	**560**	<50	170	110	*66*	*31*	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	
	7/22/2008	**580**	<120	430	910	*160*	*49*	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	
	4/8/2008	**1,300**	<500	*1,000*	1,200	*220*	*48*	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	
	2/19/2008	**1,000**	210	*1,000*	3,000	*320*	*140*	<1.1	<1.1	<1.1	<1.1	<1.1	<1.1	<1.1	
	11/12/2007	**1,800**	<250	290	320	*240*	*64*	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	
	9/18/2007	**340**	<5	140	23	*60*	*14*	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	
	5/24/2007	**1,400**	<50	*800*	350	*230*	*60*	<1	<1	<1	<1	<1	<1	<1	
	1/23/2007	**190**	<500	<50	<150	*160*	*150*	<1	<1	<1	<1	<1	<1	<1	
	12/7/2006	**1,400**	340	*980*	1,600	*240*	*82*	<1	<1	<1	<1	<1	<1	<1	

Historical Groundwater Analyses Results
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Location	Date	Benzene	Toluene	Ethyl-benzene	Xylenes	MTBE	Naphthalene	Benzo(a) anthracene	Benzo(a) pyrene	Benzo(b) fluoranthene	Benzo(k) fluoranthene	Chrysene	Dibenzo(a,h) anthracene	Indeno(1,2,3-cd) pyrene	Lead
MW-11	9/20/2016	**364**	<25	30.2	22	30.5	*16.5*	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	*6.88*
	6/21/2016	**308**	9.38	73.8	65.7	30	*12.1*	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	*<5*
	3/25/2016	**194**	<5	43.3	29	23	*13*	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	*<5*
	12/29/2015	**362**	<25	68.1	23.1	28.2	*74.7*	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	*<5*
	9/30/2015	**209**	<25	8.15	32	31.4	*96*	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	*44.5*
	6/29/2015	**330**	<5	128	43.8	22.1	*335*	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	*16.4*
	3/31/2015	**200**	6.74	51.9	32.6	25.3	90.8	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	*6.22*
	12/17/2013	**130**	<5	32	16	28	*530*	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	*<5*
	9/23/2013	**82**	<5	14	<1.5	2.6	*9*	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	*<5*
	6/28/2013	**220**	<5	77	16	*51*	*420*	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	*<5*
	3/28/2013	**240**	<25	49	22	58	180	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	*<5*
	12/19/2012	**470**	32	150	69	*45*	*1300*	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	*<5*
	9/20/2012	**420**	<25	140	39	*61*	*820*	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	---
	6/28/2012	**360**	<25	100	26	*54*	*660*	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	*<5*
	3/26/2012	**290**	<25	24	15	*25*	*200*	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	*8.3*
	12/16/2011	**850**	25	160	82	*72*	*820*	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	NS
	9/29/2011	**990**	30	290	110	53	640	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	
	6/15/2011	**930**	<250	180	350	*73*	*320*	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	
	3/17/2011	NOT SAMPLED WELL WAS DRY													
	12/2/2010	**800**	96	450	480	*150*	NOT SAMPLED DUE TO INSUFFICIENT VOLUME OF WATER IN WELL								
	9/28/2010	**620**	<50	150	60	*44*									
	6/24/2010	**940**	<50	420	400	*110*	*99*	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	
	3/19/2010	**830**	<50	360	240	40	*75*	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	
	10/8/2009	**730**	<50	160	150	*130*	*95*	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	
	7/29/2009	**600**	<50	190	190	*87*	*86*	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	
	4/9/2009	**640**	<50	160	170	*65*	*60*	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	
	2/9/2009	**1,800**	<50	550	570	*230*	*66*	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	
	11/25/2008	**630**	<50	250	280	*56*	*400*	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	
	7/22/2008	**1,200**	<250	400	320	*130*	*80*	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	
	4/8/2008	**1,300**	<25	590	610	*120*	*82*	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	
	2/19/2008	**1,000**	<5	310	75	*130*	*300*	<1.1	<1.1	<1.1	<1.1	<1.1	<1.1	<1.1	
	11/12/2007	**770**	<50	310	350	*99*	*410*	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	
	9/18/2007	**790**	<50	290	350	*130*	*440*	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	
	5/24/2007	**2,700**	<50	640	370	*540*	*490*	<1	<1	<1	<1	<1	<1	<1	
	1/23/2007	**1,500**	<120	<12	<38	*440*	*550*	<1	<1	<1	<1	<1	<1	<1	
	12/7/2006	**1,600**	<120	240	160	*540*	*800*	<1	<1	<1	<1	<1	<1	<1	

Historical Groundwater Analyses Results
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Location	Date	Benzene	Toluene	Ethyl-benzene	Xylenes	MTBE	Naphthalene	Benzo(a) anthracene	Benzo(a) pyrene	Benzo(b) fluoranthene	Benzo(k) fluoranthene	Chrysene	Dibenzo(a,h) anthracene	Indeno(1,2,3-cd) pyrene	Lead
MW-12	9/20/2016	Not sampled per IDEM request													
	6/21/2016														
	3/25/2016														
	12/29/2015	<0.5	<5	<0.5	<1.5	<1	<0.25	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	*<5*
	9/30/2015	<0.5	<5	<0.5	<1.5	<1	<0.25	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	*<5*
	6/29/2015	Not sampled per IDEM request													
	3/31/2015	<0.5	<5	<0.5	<1.5	<1	<0.25	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	*<5*
	12/17/2013	<0.5	<5	<0.5	<1.5	<1	<0.25	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	*<5*
	9/23/2013	<0.5	<5	<0.5	<1.5	<1	<0.25	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	*8.4*
	6/28/2013	<0.5	<5	<0.5	<1.5	<1	<0.25	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	*<5*
	3/28/2013	<0.5	<5	<0.5	<1.5	<1	<0.25	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	*5.6*
	12/19/2012	*13*	34	9	39	11	<0.25	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	*11*
	9/20/2012	<0.5	<5	<0.5	<1.5	<1	<0.25	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	*7.7*
	6/28/2012	<0.5	<5	<0.5	<1.5	<1	<0.25	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	*<5*
	3/26/2012	<0.5	<5	<0.5	<1.5	<1	<0.25	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	*<5*
	12/16/2011	<0.5	<5	<0.5	<1.5	<1	<0.25	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	
	9/29/2011	<0.5	<5	<0.5	<1.5	<1	<0.25	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	
	6/15/2011	<0.5	<5	<0.5	<1.5	1.4	<0.25	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	
	3/17/2011	<0.5	<5	<0.5	<1.5	<1	<1	<0.01	0.023	0.024	<0.01	<0.01	<0.01	0.024	
	12/2/2010	<0.5	<5	<0.5	<1.5	<1	NOT SAMPLED DUE TO INSUFFICIENT VOLUME OF WATER IN WELL								
	9/28/2010	<0.5	<5	<0.5	<1.5	<1	<1	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	
	6/24/2010	1.8	<5	0.92	<1.5	<1	3.4	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	
	3/19/2010	<0.5	<5	<0.5	<1.5	<1	<1	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	
	10/8/2009	<0.5	<5	<0.5	<1.5	<1	<1	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	0.033	
	7/29/2009	<0.5	<5	<0.5	<1.5	<1	<1	<0.01	0.076	0.035	0.013	<0.01	<0.01	0.044	
	4/9/2009	<0.5	<5	<0.5	<1.5	<1	<0.05	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	NS
	2/9/2009	<0.5	<5	<0.5	<1.5	<1	<0.05	<0.01	0.021	0.02	<0.01	0.012	<0.01	0.027	
	11/25/2008	<0.5	<5	0.59	2.9	<1	<0.05	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	
	7/22/2008	<0.5	<5	<0.5	<1.5	<1	<0.05	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	
	4/8/2008	<0.5	<5	<0.5	<1.5	<1	<0.05	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	
	2/19/2008	<0.5	<5	<0.5	<1.5	<1	<1.1	<1.1	<1.1	<1.1	<1.1	<1.1	<1.1	<1.1	
	11/12/2007	0.99	<5	<0.5	<1.5	<1	<0.05	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	
	9/18/2007	<0.5	<5	<0.5	<1.5	<1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	
	5/24/2007	<0.5	<5	<0.5	<1.5	<1	<1	<1	<1	<1	<1	<1	<1	<1	
	1/23/2007	<0.5	<5	<0.5	<1.5	<1	<1	<1	<1	<1	<1	<1	<1	<1	
	12/7/2006	<0.5	<5	<0.5	<1.5	<1	<1	<1	<1	<1	<1	<1	<1	<1	

Historical Groundwater Analyses Results
Former Bigfoot #30
Concentrations in parts per billion, ppb

Location	Date	Benzene	Toluene	Ethyl-benzene	Xylenes	MTBE	Naphthalene	Benzo(a) anthracene	Benzo(a) pyrene	Benzo(b) fluoranthene	Benzo(k) fluoranthene	Chrysene	Dibenzo(a,h) anthracene	Indeno(1,2,3-cd) pyrene	Lead
MW-13	9/20/2016	<0.5	<5	<0.5	<1.5	<1	<0.25	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	*<5*
	6/21/2016	<0.5	<5	<0.5	<1.5	<1	0.422	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	*<5*
	3/25/2016	<0.5	<5	<0.5	<1.5	<1	<0.25	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	*<5*
	12/29/2015	<0.5	<5	<0.5	<1.5	<1	<0.25	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	*<5*
	9/30/2015	<0.5	<5	<0.5	<1.5	<1	<0.25	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	*<5*
	6/29/2015	<0.5	<5	1.14	<1.5	<1	<0.25	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	*7.31*
	3/31/2015	0.535	<5	<0.5	<1.5	<1	<0.25	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	*<5*
	12/17/2013	<0.5	<5	<0.5	<1.5	<1	<0.25	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	*<5*
	9/23/2013	0.98	<5	<0.5	<1.5	<1	<0.25	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	*<5*
	6/28/2013	<0.5	<5	<0.5	<1.5	<1	<0.25	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	*<5*
	3/28/2013	0.63	<5	<0.5	<1.5	<1	<0.25	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	*<5*
	12/19/2012	1.3	<5	<0.5	<1.5	<1	<0.25	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	*<5*
	9/20/2012	2	<5	<0.5	<1.5	<1	<0.25	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	*<5*
	6/28/2012	2.6	<5	<0.5	<1.5	<1	6	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	**190**
	3/26/2012	1.3	<5	<0.5	<1.5	<1	<0.25	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	*<5*
	12/16/2011	1.9	<5	<0.5	<1.5	<1	<0.25	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	
	9/29/2011	8	<5	<0.5	<1.5	<1	<0.25	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	
	6/15/2011	0.8	<5	<0.5	<1.5	<1	<0.25	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	
	3/17/2011	2.3	<5	<0.5	<1.5	<1	<1	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	
	12/2/2010	*7.5*	<5	<0.5	<1.5	<1	NOT SAMPLED DUE TO INSUFFICIENT VOLUME OF WATER IN WELL								
	9/28/2010	**87**	<5	1	3.2	6.6	<1	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	
	6/24/2010	0.67	<5	<0.5	<1.5	<1	<1	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	
	3/19/2010	<0.5	<5	<0.5	<1.5	<1	<1	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	
	10/8/2009	<0.5	<5	<0.5	<1.5	3.3	<1	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	
	7/29/2009	<0.5	<5	<0.5	<1.5	<1	<1	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	
	4/9/2009	<0.5	<5	<0.5	<1.5	<1	<0.05	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	NS
	2/9/2009	<0.5	<5	<0.5	<1.5	<1	0.096	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	
	11/25/2008	<0.5	<5	<0.5	2	<1	<0.05	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	
	7/22/2008	<0.5	<5	<0.5	<1.5	2.9	<0.05	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	
	4/8/2008	<0.5	<5	<0.5	<1.5	<1	<0.05	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	
	2/19/2008	<0.5	<5	<0.5	<1.5	<1	<1	<1	<1	<1	<1	<1	<1	<1	
	11/12/2007	*24*	<25	2.7	<7.5	9.2	3.7	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	
	9/18/2007	5	<5	0.52	3.2	4.6	0.63	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	
	5/24/2007	<0.5	<5	4.4	<1.5	3.1	<1	<1	<1	<1	<1	<1	<1	<1	
	1/23/2007	<0.5	<5	<0.5	<1.5	<1	<1	<1	<1	<1	<1	<1	<1	<1	
	12/7/2006	*10*	<25	23	30	15	4.6	<1	<1	<1	<1	<1	<1	<1	

Historical Groundwater Analyses Results
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Location	Date	Benzene	Toluene	Ethyl-benzene	Xylenes	MTBE	Naphthalene	Benzo(a) anthracene	Benzo(a) pyrene	Benzo(b) fluoranthene	Benzo(k) fluoranthene	Chrysene	Dibenzo(a,h) anthracene	Indeno(1,2,3-cd) pyrene	Lead
MW-14	9/20/2016	*Not sampled per IDEM request*													
	6/21/2016														
	3/25/2016														
	12/29/2015	<0.5	<5	<0.5	<1.5	<1	<0.25	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<5
	9/30/2015	Not sampled per IDEM request													
	7/29/2015														
	3/31/2015														
	12/17/2013	<0.5	<5	<0.5	<1.5	<1	<0.25	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<5
	9/23/2013	Not sampled per IDEM request													
	6/28/2013														
	3/28/2013														
	12/19/2012	<0.5	<5	<0.5	<1.5	<1	<0.25	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<5
	9/20/2012	<0.5	<5	<0.5	<1.5	<1	<0.25	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<5
	6/28/2012	<0.5	<5	<0.5	<1.5	<1	<0.25	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<5
	3/26/2012	<0.5	<5	<0.5	<1.5	<1	<0.25	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<5
	12/16/2011	<0.5	<5	<0.5	<1.5	<1	<0.25	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	NS
	9/29/2011	<0.5	<5	<0.5	<1.5	<1	<0.25	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	
	6/15/2011	<0.5	<5	<0.5	<1.5	<1	<0.25	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	
	3/17/2011	<0.5	<5	<0.5	<1.5	<1	<1	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	
	12/2/2010	<0.5	<5	<0.5	<1.5	<1	NOT SAMPLED DUE TO INSUFFICIENT VOLUME OF WATER IN WELL								
	9/28/2010	<0.5	<5	<0.5	<1.5	1.3	<1	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	
	6/24/2010	<0.5	<5	<0.5	<1.5	<1	<1	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	
	3/19/2010	<0.5	<5	<0.5	<1.5	<1	<1	<0.01	0.011	<0.01	<0.01	<0.01	<0.01	<0.01	
	10/8/2009	<0.5	<5	<0.5	<1.5	<1	<1	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	
	7/29/2009	<0.5	<5	<0.5	<1.5	<1	<1	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	
	4/9/2009	<0.5	<5	<0.5	<1.5	1.4	<0.05	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	
	2/9/2009	<0.5	<5	<0.5	<1.5	<1	0.86	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	
	11/25/2008	<0.5	<5	<0.5	2	<1	<0.05	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	
	7/22/2008	<0.5	<5	<0.5	<1.5	2.1	<0.05	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	
	4/8/2008	<0.5	<5	<0.5	<1.5	<1	<0.05	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	
	2/19/2008	<0.5	<5	<0.5	<1.5	2.2	<1.1	<1.1	<1.1	<1.1	<1.1	<1.1	<1.1	<1.1	
	11/12/2007	<0.5	<5	<0.5	<1.5	4.5	<0.05	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	
	9/18/2007	<0.5	<5	<0.5	<1.5	3.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	
	5/24/2007	<0.5	<5	<0.5	<1.5	3.2	<1	<1	<1	<1	<1	<1	<1	<1	
	1/23/2007	<0.5	<5	<0.5	<1.5	4.4	1	<1	<1	<1	<1	<1	<1	<1	
	12/7/2006	<0.5	<5	<0.5	<1.5	5.1	<1	<1	<1	<1	<1	<1	<1	<1	

Historical Groundwater Analyses Results
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Location	Date	Benzene	Toluene	Ethyl-benzene	Xylenes	MTBE	Naphthalene	Benzo(a) anthracene	Benzo(a) pyrene	Benzo(b) fluoranthene	Benzo(k) fluoranthene	Chrysene	Dibenzo(a,h) anthracene	Indeno(1,2,3-cd) pyrene	Lead
MW-15 (off-site)	9/20/2016	Did not sample													
	6/21/2016	<0.5	<5	<0.5	<1.5	<1	0.275	<0.05	0.0768	0.151	0.0531	0.0761	<0.05	0.0733	**45.2**
	3/25/2016	<0.5	<5	<0.5	<1.5	<1	<0.25	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<5
	12/29/2015	<0.5	<5	<0.5	<1.5	<1	<0.25	0.0742	0.112	0.188	0.0681	0.086	<0.05	0.11	*26.4*
	9/30/2015	Not sampled per IDEM request													
	7/29/2015														
	3/31/2015														
	12/17/2013	<0.5	<5	<0.5	<1.5	<1	<0.25	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	7.3
	9/23/2013	Not sampled per IDEM request													
	6/28/2013														
	3/28/2013														
	12/19/2012	<0.5	<5	<0.5	<1.5	<1	<0.25	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	9
	9/20/2012	<0.5	<5	<0.5	<1.5	<1	<0.25	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<5
	6/28/2012	<0.5	<5	<0.5	<1.5	<1	<0.25	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<5
	3/26/2012	<0.5	<5	<0.5	<1.5	<1	<0.25	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<5
	12/16/2011	<0.5	<5	<0.5	<1.5	<1	<0.25	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	
	9/29/2011	<0.5	<5	<0.5	<1.5	<1	<0.25	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	
	6/15/2011	<0.5	<5	<0.5	<1.5	<1	<0.25	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	
	3/17/2011	<0.5	<5	<0.5	<1.5	<1	<1	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	
	12/2/2010	<0.5	<5	<0.5	<1.5	<1	NOT SAMPLED DUE TO INSUFFICIENT VOLUME OF WATER IN WELL								
	9/28/2010	<0.5	<5	<0.5	<1.5	<1	<1	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	
	6/24/2010	<0.5	<5	<0.5	<1.5	<1	<1	0.017	0.02	0.02	<0.01	0.018	<0.01	0.022	
	3/19/2010	<0.5	<5	<0.5	<1.5	<1	<1	0.11	0.19	0.29	0.12	0.22	*0.16*	0.22	
	10/8/2009	<0.5	<5	<0.5	<1.5	<1	<1	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	
	7/29/2009	<0.5	<5	<0.5	<1.5	<1	<1	<0.01	0.051	<0.01	<0.01	<0.01	<0.01	0.025	
	4/9/2009	<0.5	<5	<0.5	<1.5	<1	<0.05	<0.01	0.021	0.029	0.013	0.014	<0.01	0.02	NS
	2/9/2009	<0.5	<5	<0.5	<1.5	<1	<0.05	0.02	0.032	0.055	0.024	0.059	<0.01	0.04	
	11/25/2008	<0.5	<5	<0.5	<1.5	<1	0.059	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	
	7/22/2008	<0.5	<5	<0.5	<1.5	<1	<0.05	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	
	4/8/2008	<0.5	<5	<0.5	<1.5	<1	<0.05	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	
	2/19/2008	<0.5	<5	<0.5	<1.5	<1	<1.1	<1.1	<1.1	<1.1	<1.1	<1.1	<1.1	<1.1	
	11/12/2007	<0.5	<5	<0.5	<1.5	<1	0.063	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	
	9/18/2007	<0.5	<5	<0.5	<1.5	<1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	
	5/24/2007	<0.5	<5	<0.5	<1.5	<1	<1	<1	<1	<1	<1	<1	<1	<1	
	1/23/2007	<0.5	<5	<0.5	<1.5	<1	<1	<1	<1	<1	<1	<1	<1	<1	
	12/7/2006	<0.5	<5	<0.5	<1.5	<1	<1	1.1	<1	<1	<1	<1	<1	1.1	

Historical Groundwater Analyses Results Former Bigfoot #30 Concentrations in parts per billion, ppb															
Location	Date	Benzene	Toluene	Ethyl-benzene	Xylenes	MTBE	Naphthalene	Benzo(a) anthracene	Benzo(a) pyrene	Benzo(b) fluoranthene	Benzo(k) fluoranthene	Chrysene	Dibenzo(a,h) anthracene	Indeno(1,2,3-cd) pyrene	Lead
MW-16	9/20/2016	68	<5	1.47	2.64	6.62	4.94	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<5
	6/21/2016	**61.8**	<5	1.96	<1.5	3.98	6.73	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<5
	3/25/2016	*17.5*	<5	<0.5	<1.5	1.29	2.01	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<5
	12/29/2015	0.691	<5	<0.5	<1.5	<1	<1	<1	<1	<1	<1	<1	<1	<1	<5
	9/30/2015	*15*	<5	<0.5	2.27	2.67	3.92	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<5
	7/29/2015	**168**	<5	14.3	6.58	12.1	*51.3*	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	*11.2*
	3/31/2015	34.2	<5	3.03	<1.5	3.11	*25.3*	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<5
	12/17/2013	3.1	<5	<0.5	<1.5	<1	1	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	*5.2*
	9/23/2013	**200**	<5	56	21	39	*470*	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<5
	6/28/2013	*12*	<5	4.2	<1.5	1.8	6.6	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<5
	3/28/2013	*20*	<5	10	<1.5	2.4	7	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<5
	12/19/2012	**190**	<25	110	18	11	88	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	*<10*
	9/20/2012	**350**	6.1	200	130	23	170	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<5
	6/28/2012	**190**	<50	240	290	28	300	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<5
	3/26/2012	**450**	<50	*810*	1300	34	1100	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	*7.2*
MW-17	9/20/2016	<0.5	<5	<0.5	<1.5	<1	<0.25	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	*7.75*
	6/21/2016	<0.5	<5	<0.5	<1.5	<1	<0.25	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	*5.37*
	3/25/2016	<0.5	<5	<0.5	<1.5	<1	<0.25	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<5
	12/29/2015	<0.5	<5	<0.5	<1.5	<1	<0.25	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	*5.71*
	9/30/2015	<0.5	<5	<0.5	<1.5	1.77	<0.25	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	*29.3*
	6/29/2015	1.12	<5	*<0.5*	<1.5	<1	<0.25	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	*11.1*
	3/31/2015	<0.5	<5	<0.5	<1.5	<1	<0.25	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	*6.29*
	12/17/2013	<0.5	<5	<0.5	<1.5	1.1	<0.25	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<5
	9/23/2013	*14*	<5	<0.5	<1.5	1.4	<0.25	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	*14*
	6/28/2013	<0.5	<5	<0.5	<1.5	1.1	<0.25	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	*7*
	3/28/2013	<0.5	<5	<0.5	<1.5	1.8	<0.25	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	*7.6*
	12/19/2012	<0.5	<5	<0.5	<1.5	2	<0.25	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	*<5*
	9/20/2012	<0.5	<5	<0.5	<1.5	3	<0.25	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	*8.7*
	6/28/2012	<0.5	<5	<0.5	<1.5	3.9	<0.25	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	*<5*
	3/26/2012	<0.5	<5	<0.5	<1.5	3.9	<0.25	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	*20*
MW-18	9/20/2016	**62.7**	10.6	2.48	12.7	7.34	1.53	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	*5.7*
	6/21/2016	Did not sample													
	3/25/2016	Could not sample due to EAS sampler in well													
	12/29/2015	97.9	<5	13.9	23.5	<1	2.11	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<5
	9/30/2015	**104**	16.3	4.5	20.2	25.7	2.92	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	*19.9*
	6/29/2015	**81.1**	6.38	6.77	8.36	11.4	0.782	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	*17.3*
	3/31/2015	**62.2**	13	7.85	13	15.6	1.84	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<5
	12/17/2013	**63**	<5	6.1	9.9	14	1.1	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	*10*
	9/23/2013	**180**	25	8.6	16	13	2	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	*5.8*
	6/28/2013	**62**	<5	9.6	12	15	3.1	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<5
	3/28/2013	**69**	5.4	15	18	18	2.1	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	*7.8*
	12/19/2012	**210**	18	19	58	49	6	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<5
	9/20/2012	**270**	<25	17	48	32	2.6	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<5
	6/28/2012	**54**	14	18	16	10	4.1	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<5
	3/26/2012	52	<25	15	12	9	9.5	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	*13*

Historical Groundwater Analyses Results
Former Bigfoot #30
Concentrations in parts per billion, ppb

Location	Date	Benzene	Toluene	Ethyl-benzene	Xylenes	MTBE	Naphthalene	Benzo(a) anthracene	Benzo(a) pyrene	Benzo(b) fluoranthene	Benzo(k) fluoranthene	Chrysene	Dibenzo(a,h) anthracene	Indeno(1,2,3-cd) pyrene	Lead
MW-19 (off-site)	9/20/2016	<0.5	<5	<0.5	<1.5	2.64	<0.5	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	*14.3*
	6/21/2016	<0.5	<5	<0.5	<1.5	2.87	0.464	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	*<5*
	3/25/2016	0.595	<5	3.99	19.4	2.21	<0.25	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	*<5*
	12/29/2015	0.704	<5	13.9	23.5	<1	2.11	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	*<5*
	9/30/2015	1.74	<5	<0.5	<1.5	3.71	<0.25	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	*6.56*
	6/29/2015	**5.8**	<5	<0.5	1.72	7.27	<0.25	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	*10.9*
	3/31/2015	**56.4**	7.75	<0.5	3.92	12.2	<0.25	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	*<5*
	12/17/2013	**20**	<5	<0.5	<1.5	5.1	<0.25	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	*5.9*
	9/23/2013	**15**	<5	<0.5	<1.5	2.1	<0.25	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	*<5*
	6/28/2013	**7.4**	<5	1	<1.5	5.5	<0.25	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	*<5*
	3/28/2013	**58**	<5	1	<1.5	6.1	<0.25	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	*17*
	12/19/2012	**12**	<5	<0.5	<1.5	8.1	<0.25	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	*<5*
	9/20/2012	**18**	<5	<0.5	<1.5	4	<0.25	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	*<5*
	6/28/2012	0.76	<5	<0.5	<1.5	1.6	<0.25	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	*<5*
	3/26/2012	<0.5	<5	<0.5	<1.5	<1	<0.25	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	*12*
MW-20	9/20/2016	Not sampled per IDEM request													
	6/21/2016														
	3/25/2016														
	12/29/2015	<0.5	<5	<0.5	<1.5	<1.5	<0.25	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	*<5*
	9/30/2015	<0.5	<5	<0.5	<1.5	<1.5	<0.25	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	*<5*
	6/29/2015	Not sampled per IDEM request													
	3/31/2015	<0.5	<5	<0.5	<1.5	<1.5	<0.25	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	*<5*
	12/17/2013	<0.5	<5	<0.5	<1.5	<1.5	<0.25	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	*6.2*
	9/23/2013	<0.5	<5	<0.5	<1.5	1.5	<0.25	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	*<5*
	6/28/2013	<0.5	<5	<0.5	<1.5	1.5	<0.25	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	*<5*
	3/28/2013	<0.5	<5	<0.5	<1.5	1.5	<0.25	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	*6.3*
	12/19/2012	<0.5	<5	<0.5	<1.5	1.5	<0.25	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	*<5*
	9/20/2012	<0.5	<5	<0.5	<1.5	1.5	<0.25	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	8.9
	6/28/2012	<0.5	<5	<0.5	<1.5	1.4	<0.25	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	*<5*
	3/26/2012	<0.5	<5	<0.5	<1.5	<1	<0.25	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	*16*
MW-21	9/20/2016	<0.5	<5	<0.5	<1.5	2.19	0.284	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	*15*
	6/21/2016	<0.5	<5	<0.5	<1.5	2.76	0.284	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	*5.31*
	3/25/2016	<0.5	<5	4.11	20.4	2.77	<0.25	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	*17.4*
	12/29/2015	<0.5	<5	<0.5	<1.5	2.32	<0.25	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	6.19
	9/30/2015	<0.5	<5	<0.5	<1.5	2.95	<0.25	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	*9.29*
	6/29/2015	<0.5	<5	<0.5	<1.5	2.95	<0.25	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	*36.6*
	3/31/2015	<0.5	<5	<0.5	<1.5	1.82	<0.25	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	11
	12/17/2013	<0.5	<5	<0.5	<1.5	<1	<0.25	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	6.6
	9/23/2013	<0.5	<5	3.4	<1.5	4.4	<0.25	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	**120**
	6/28/2013	<0.5	<5	3.4	<1.5	4.4	<0.25	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	*<5*
	3/28/2013	<0.5	<5	<0.5	<1.5	3	<0.25	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	*12*

Historical Groundwater Analyses Results
Former Bigfoot #30
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Location	Date	Benzene	Toluene	Ethyl-benzene	Xylenes	MTBE	Naphthalene	Benzo(a) anthracene	Benzo(a) pyrene	Benzo(b) fluoranthene	Benzo(k) fluoranthene	Chrysene	Dibenzo(a,h) anthracene	Indeno(1,2,3-cd) pyrene	Lead
FD (MW-8)	9/20/2016	**673**	45.6	28.4	58.8	33	4.23	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	*5.47*
	6/21/2016	**464**	30.5	22.6	38.7	17.4	3.48	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	*<5*
	3/25/2016	**124**	16.4	15	35.5	8.74	0.82	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	*<5*
	12/29/2015	**197**	7.69	10.4	18.5	7.5	0.962	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	*<5*
FD (MW-10)	9/30/2015	*35*	<5	2.4	7.04	27.4	<0.25	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	*10.1*
FD (MW-10)	6/29/2015	*26.6*	<5	44.1	24.1	35.8	*17.5*	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	*21.4*
FD (MW-8)	3/31/2015	**249**	13.1	22.3	35.5	13.4	0.9	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	*12.2*
FD (MW-11)	12/17/2013	**150**	<5	37	15	40	*460*	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	*8*
FD (MW-8)	9/23/2013	**400**	<5	18	20	32	0.75	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	*5.2*
	6/28/2013	**400**	<5	18	20	32	0.75	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	*5.2*
FD (MW-10)	3/28/2013	**98**	6.8	28	20	85	7.4	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	*<5*
FD (MW-8)	12/19/2012	**510**	44	47	33	16	<0.25	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	*<10*
	9/20/2012	**740**	<50	40	47	23	1.9	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	*12*
	6/28/2012	**590**	39	41	41	18	0.69	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	---
	3/26/2012	**110**	<50	<5	<15	<10	0.28	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	*15*
	12/16/2011	180	7.2	17	21	16	1.1	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	
	9/29/2011	**420**	23	18	17	6.3	0.48	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	
	6/15/2011	**570**	<50	29	35	<10	1.1	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	
	3/17/2011	**510**	<25	18	19	25	<1	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	
	12/2/2010	**680**	60	44	45	*80*	<1	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	
	9/28/2010	**760**	<50	66	67	*48*	<1	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	
	6/24/2010	**810**	37	93	110	*72*	2	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	
	3/19/2010	**500**	33	52	38	24	<1	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	
	10/8/2009	**700**	61	81	69	*77*	<1	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	
	7/29/2009	**110**	<25	22	11	5.4	<1	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	
	4/9/2009	**320**	5.2	39	17	6.7	0.59	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	
	2/9/2009	**210**	<25	36	17	10	<0.05	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	NS
FD (MW-13)	11/25/2008	<0.5	<5	<0.5	<1.5	<1	<0.05	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	
FD (MW-8)	7/22/2008	**500**	<25	84	35	33	2.8	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	
	4/8/2008	**350**	<120	120	86	29	0.98	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	
FD (MW-10)	2/19/2008	**1,000**	210	*1,000*	3,000	*280*	*81*	<1	<1	<1	<1	<1	<1	<1	
	11/12/2007	**470**	63	220	230	*140*	*48*	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	
	9/18/2007	**340**	<5	140	22	*63*	*14*	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	
	5/24/2007	**1,100**	<25	680	300	*180*	*46*	<1	<1	<1	<1	<1	<1	<1	
	1/23/2007	**1,500**	<250	*1,000*	1,700	*270*	*140*	<1	<1	<1	<1	<1	<1	<1	
FD (MW-13)	12/7/2006	4.7	<5	19	14	6.1	2.3	<1	<1	<1	<1	<1	<1	<1	
CDCL		**52**	**8,200**	**10,000**	**20,000**	**720**	**2,000**	**3.9**	**0.39**	**3.9**	**39**	**390**	**0.39**	**3.9**	**42**
RDCL		*5*	*1,000*	*700*	*10,000*	*40*	*8.3*	*1.2*	*0.2*	*1.2*	*12*	*120*	*0.12*	*1.2*	*1.5*

RISC CDCL: Risk Integrated System of Closure Commercial Default Closure Level
RISC RDCL: Risk Integrated System of Closure Residential Default Closure Level
* Offsite well
MTBE: Methyl-Tertiary-Butyl-Ether / FD: field duplicate
The IDEM "Minimum Data Documentation Requirements" are provided in the attached laboratory report.

Historical MNA Parameters Former Bigfoot #30 Concentrations in parts per million, ppm				
Location	**Date**	**Dissolved Oxygen (DO)**	**Hydrogen Sulfide (H_2S)**	**Soluble Ferrous Iron (Fe^{2+})**
MW-1	9/20/2016	8.99	0.0	1.2
	6/21/2016	8.64	0.0	3.1
	3/25/2016	12.66	0.0	4.7
	12/29/2015	6.89	0.0	2.8
	9/30/2015	9.22	0.0	0.8
	6/29/2015	21.82	0.0	0.2
	3/31/2015	4.20	0.0	1.6
	12/17/2013	5.23	0.0	2.1
	9/23/2013	6.15	0.0	3.4
	6/28/2013	4.32	0.0	5
	3/28/2013	6.80	0.0	3.6
	12/19/2012	NS	0.0	1.2
	9/20/2012	NS	0.0	3
	6/28/2012	3.61	0.0	1.6
	3/26/2012	16.50	0.0	0
	12/16/2011	122.80	0.0	0.0
	9/29/2011	0.91	0.0	0.0
	6/15/2011	4.52	0.0	0.8
	3/16/2011	0.16	0.0	0.0
	12/3/2010	1.04	NS	NS
	9/29/2010	0.12	0.0	6.2
	6/25/2010	0.40	0.1	3.6
	3/19/2010	0.50	0.1	3.8
MW-2 (off-site)	9/20/2016	Not sampled at IDEM's request		
	6/21/2016			
	3/25/2016			
	12/29/2015	1.80	0.0	2.2
	9/30/2015	Not sampled at IDEM's request		
	6/29/2015			
	3/31/2015			
	12/17/2013	2.31	0.0	2.0
	9/23/2013	Not sampled at IDEM's request		
	6/28/2013			
	3/28/2013			
	12/19/2012	NS	0.0	1.8
	9/20/2012	NS	0.0	2.0
	6/28/2012	1.18	0.0	1.0
	3/26/2012	0.50	0.0	0.0
	12/16/2011	3.44	0.0	0.0
	9/29/2011	0.44	0.0	0.8
	6/15/2011	4.32	0.0	0.6
	3/16/2011	0.11	0.0	0.0
	12/3/2010	1.28	0.0	1.6
	9/29/2010	0.78	0.1	0.0
	6/25/2010	0.70	0.0	0.0
	3/19/2010	0.70	0.1	0.6

Historical MNA Parameters Former Bigfoot #30 Concentrations in parts per million, ppm				
Location	**Date**	**Dissolved Oxygen (DO)**	**Hydrogen Sulfide (H_2S)**	**Soluble Ferrous Iron (Fe^{2+})**
MW-3 (off-site)	9/20/2016	Not sampled at IDEM's request		
	6/21/2016			
	3/25/2016			
	12/29/2015	5.31	0.0	0.0
	9/30/2015	Not sampled at IDEM's request		
	6/29/2015			
	3/31/2015			
	12/17/2013	4.92	0.0	0.0
	9/23/2013	Not sampled at IDEM's request		
	6/28/2013			
	3/28/2013			
	12/19/2012	NS	0.10	0.0
	9/20/2012	NS	0.0	0.0
	6/28/2012	1.17	0.0	0.0
	3/26/2012	8.63	0.0	0.0
	12/16/2011	6.20	0.0	0.0
	9/29/2011	3.14	0.0	0.0
	6/15/2011	7.04	0.0	0.0
	3/16/2011	0.07	0.0	0.0
	12/3/2010	1.69	0.0	0.0
	9/29/2010	0.08	0.1	0.0
	6/25/2010	0.50	0.0	0.4
	3/19/2010	0.90	0.1	0.6
MW-4 (off-site)	9/20/2016	Not sampled at IDEM's request		
	6/21/2016			
	3/25/2016			
	12/29/2015	8.65	0.0	0.0
	9/30/2015	Not sampled at IDEM's request		
	6/29/2015			
	3/31/2015			
	12/17/2013	9.88	0.0	0.0
	9/23/2013	Not sampled at IDEM's request		
	6/28/2013			
	3/28/2013			
	12/19/2012	NS	0.0	0.0
	9/20/2012	NS	0.0	0.0
	6/28/2012	3.29	0.0	0.0
	3/26/2012	6.50	0.0	0.0
	12/16/2011	58.80	0.0	0.0
	9/29/2011	3.06	0.0	0.0
	6/15/2011	9.13	0.0	0.0
	3/16/2011	0.05	0.0	0.0
	12/3/2010	4.56	0.1	0.0
	9/29/2010	0.98	0.0	0.0
	6/25/2010	0.70	0.0	0.0
	3/19/2010	1.60	0.1	0.2

Historical MNA Parameters Former Bigfoot #30 Concentrations in parts per million, ppm				
Location	**Date**	**Dissolved Oxygen (DO)**	**Hydrogen Sulfide (H_2S)**	**Soluble Ferrous Iron (Fe^{2+})**
MW-5 (off-site)	9/20/2016	Not sampled at IDEM's request		
	6/21/2016			
	3/25/2016			
	12/29/2015	8.45	0.0	1.2
	9/30/2015	Not sampled at IDEM's request		
	6/29/2015			
	3/31/2015			
	12/17/2013	22.12	0.0	1.0
	9/23/2013	Not sampled at IDEM's request		
	6/28/2013			
	3/28/2013			
	12/19/2012	NS	0.0	0.0
	9/20/2012	NS	0.0	2.0
	6/28/2012	1.62	0.1	3.0
	3/26/2012	15.00	0.0	0.0
	12/16/2011	48.80	0.0	0.0
	9/29/2011	1.14	0.0	1.8
	6/15/2011	4.53	0.0	0.6
	3/16/2011	0.57	0.0	0.4
	12/3/2010	1.47	NS	NS
	9/29/2010	0.09	0.0	4.4
	6/25/2010	0.30	0.0	1.6
	3/19/2010	0.60	0.1	2.2
MW-6	9/20/2016	Not sampled at IDEM's request		
	6/21/2016			
	3/25/2016			
	12/29/2015	3.30	0.0	0.2
	9/30/2015	Not sampled at IDEM's request		
	6/29/2015			
	3/31/2015			
	12/17/2013	3.88	0.0	1.4
	9/23/2013	Not sampled at IDEM's request		
	6/28/2013			
	3/28/2013			
	12/19/2012	NS	0.0	0.0
	9/20/2012	NS	0.0	0.0
	6/28/2012	1.98	0.0	2.8
	3/26/2012	13.94	0.0	0.0
	12/16/2011	110.10	0.0	0.0
	9/29/2011	2.08	0.0	0.0
	6/15/2011	6.22	0.0	2.8
	3/16/2011	1.07	0.0	0.4
	12/3/2010	4.17	NS	0.6
	9/29/2010	0.29	0.1	3.8
	6/25/2010	0.30	0.1	3.2
	3/19/2010	0.50	0.1	3.8

Historical MNA Parameters Former Bigfoot #30 Concentrations in parts per million, ppm				
Location	**Date**	**Dissolved Oxygen (DO)**	**Hydrogen Sulfide (H_2S)**	**Soluble Ferrous Iron (Fe^{2+})**
MW-7	9/20/2016	Not sampled at IDEM's request		
	6/21/2016			
	3/25/2016			
	12/29/2015	4.48	0.0	0.0
	9/30/2015	Not sampled at IDEM's request		
	6/29/2015			
	3/31/2015			
	12/17/2013	6.65	0.0	0.0
	9/23/2013	Not sampled at IDEM's request		
	6/28/2013			
	3/28/2013			
	12/19/2012	NS	0.0	0.0
	9/20/2012	NS	0.0	0.0
	6/28/2012	1.82	0.0	0.0
	3/26/2012	12.64	0.0	0.0
	12/16/2011	12.69	0.0	0.0
	9/29/2011	2.55	0.1	0.0
	6/15/2011	4.18	0.0	0.0
	3/16/2011	1.20	0.0	0.4
	12/3/2010	4.74	NS	NS
	9/29/2010	1.29	0.0	0.0
	6/25/2010	1.40	0.0	0.0
	3/19/2010	0.90	0.0	0.0
MW-8	9/20/2016	0.55	0.0	5.9
	6/21/2016	19.66	0.0	1.9
	3/25/2016	7.99	0.0	3.3
	12/29/2015	2.40	0.0	1.8
	9/30/2015	9.20	0.0	3.4
	6/29/2015	2.10	0.0	2.4
	3/31/2015	1.10	0.0	1.2
	12/17/2013	13.11	0.0	2.1
	9/23/2013	3.20	0.0	2.2
	6/28/2013	2.90	0.0	4.6
	3/28/2013	12.69	0.0	1.2
	12/19/2012	NS	0.0	1.0
	9/20/2012	NS	0.0	2.4
	6/28/2012	2.65	0.1	3.2
	3/26/2012	14.86	0.0	3.0
	12/16/2011	20.30	0.1	2.4
	9/29/2011	0.41	0.5	2.6
	6/15/2011	2.96	0.3	6.2
	3/16/2011	0.40	0.5	4.6
	12/3/2010	0.31	0.3	2.8
	9/29/2010	0.07	0.3	5.8
	6/25/2010	0.30	0.1	3.6
	3/19/2010	0.40	0.1	3.4

Historical MNA Parameters Former Bigfoot #30 Concentrations in parts per million, ppm				
Location	**Date**	**Dissolved Oxygen (DO)**	**Hydrogen Sulfide (H_2S)**	**Soluble Ferrous Iron (Fe^{2+})**
MW-9	12/19/2012	DESTROYED		
	9/20/2012	NS	0.0	0.0
	6/28/2012	3.21	0.0	0.0
	3/26/2012	9.59	0.0	0.0
	12/16/2011	118.10	0.0	0.0
	9/29/2011	8.78	0.0	0.0
	6/15/2011	7.08	0.0	0.0
	3/16/2011	0.12	0.0	0.0
	12/3/2010	2.88	0.0	0.0
	9/29/2010	0.63	0.0	0.0
	6/25/2010	1.10	0.0	0.2
	3/19/2010	0.80	0.1	0.5
MW-10	9/20/2016	0.92	0.0	8.2
	6/21/2016	21.16	0.0	5.5
	3/25/2016	8.87	0.0	3.3
	12/29/2015	6.99	0.0	2.5
	9/30/2015	7.40	0.0	3.2
	6/29/2015	11.28	0.0	4.0
	3/31/2015	1.63	0.0	2.2
	12/17/2013	5.48	0.0	4.1
	9/23/2013	2.80	0.0	3.8
	6/28/2013	3.20	0.0	2.0
	3/28/2013	14.08	0.0	2.1
	12/19/2012	NS	0.0	1.6
	9/20/2012	NS	0.0	2.6
	6/28/2012	3.35	0.0	2.4
	3/26/2012	15.62	0.0	2.2
	12/16/2011	5.90	0.0	2.6
	9/29/2011	0.35	0.0	4.1
	6/15/2011	2.36	0.1	6.4
	3/16/2011	0.47	0.3	4.8
	12/3/2010	0.20	NS	NS
	9/29/2010	0.07	0.1	4.8
	6/25/2010	0.30	0.1	3.4
	3/19/2010	0.90	0.1	4.2

Historical MNA Parameters Former Bigfoot #30 Concentrations in parts per million, ppm				
Location	Date	Dissolved Oxygen (DO)	Hydrogen Sulfide (H_2S)	Soluble Ferrous Iron (Fe^{2+})
MW-11	9/20/2016	1.20	0.0	5.8
	6/21/2016	1.20	0.0	4.2
	3/25/2016	4.22	0.0	4.0
	12/29/2015	2.00	0.0	2.0
	9/30/2015	3.20	0.0	3.4
	6/29/2015	2.62	0.0	4.8
	3/31/2015	0.91	0.0	2.0
	12/17/2013	1.11	0.0	2.2
	9/23/2013	4.30	0.0	2.1
	6/28/2013	4.60	0.0	4.2
	3/28/2013	4.22	0.0	2.6
	12/19/2012	NS	0.0	1.8
	9/20/2012	NS	0.0	3.0
	6/28/2012	1.92	0.0	3.2
	3/26/2012	6.33	0.0	2.2
	12/16/2011	0.33	0.0	1.8
	9/29/2011	0.36	0.0	2.8
	6/15/2011	3.02	0.1	5.2
	3/16/2011	NS	NS	NS
	12/3/2010	0.67	NS	5.4
	9/29/2010	0.08	0.1	3.4
	6/25/2010	0.30	0.0	3.8
	3/19/2010	1.40	0.1	4.2
MW-12	9/20/2016	Not sampled at IDEM's request		
	3/25/2016			
	12/29/2015	4.11	0.0	0.0
	9/30/2015	5.20	0.0	0.0
	6/29/2015	Not sampled at IDEM's request		
	3/31/2015	0.92	0.0	0.4
	12/17/2013	4.34	0.0	0.6
	9/23/2013	6.10	0.0	1.0
	6/28/2013	5.10	0.0	0.00
	3/28/2013	5.06	0.0	1.2
	12/19/2012	NS	0.0	0.0
	9/20/2012	NS	0.0	0.0
	6/28/2012	1.56	0.0	0.0
	3/26/2012	14.51	0.0	2.8
	12/16/2011	2.72	0.0	1.8
	9/29/2011	0.37	0.0	0.0
	6/15/2011	3.71	0.0	1.8
	3/16/2011	2.48	0.0	0.0
	12/3/2010	1.36	0.0	1.2
	9/29/2010	0.53	0.1	0.0
	6/25/2010	0.50	0.0	0.0
	3/19/2010	0.70	0.0	0.0

Historical MNA Parameters Former Bigfoot #30 Concentrations in parts per million, ppm				
Location	**Date**	**Dissolved Oxygen (DO)**	**Hydrogen Sulfide (H_2S)**	**Soluble Ferrous Iron (Fe^{2+})**
MW-13	9/20/2016	2.60	0.0	0.0
	6/21/2016	16.44	0.0	2.4
	3/25/2016	6.67	0.0	1.8
	12/29/2015	8.81	0.0	0.8
	9/30/2015	9.42	0.0	1.2
	6/29/2015	14.77	0.0	0.0
	3/31/2015	3.32	0.0	0.2
	12/17/2013	18.97	0.0	0.6
	9/23/2013	7.80	0.0	2.4
	6/28/2013	7.60	0.0	0.00
	3/28/2013	16.98	0.0	0.0
	12/19/2012	NS	0.0	0.0
	9/20/2012	NS	0.0	0.0
	6/28/2012	2.97	0.0	1.1
	3/26/2012	18.68	0.0	0.0
	12/16/2011	25.70	0.0	0.0
	9/29/2011	3.62	0.0	0.0
	6/15/2011	3.92	0.1	0.4
	3/16/2011	0.39	0.1	1.2
	12/3/2010	4.41	NS	NS
	9/29/2010	0.12	0.0	2.8
	6/25/2010	0.80	0.0	0.0
	3/19/2010	1.20	0.1	0.0
MW-14	9/20/2016	Not sampled at IDEM's request		
	6/21/2016			
	3/25/2016			
	12/29/2015	4.44	0.0	0.0
	9/30/2015	Not sampled at IDEM's request		
	6/29/2015			
	3/31/2015			
	12/17/2013	6.22	0.0	0.8
	9/23/2013	Not sampled at IDEM's request		
	6/28/2013			
	3/28/2013			
	12/19/2012	NS	0.0	0.0
	9/20/2012	NS	0.0	0.0
	6/28/2012	1.62	0.0	0.0
	3/26/2012	11.46	0.0	0.8
	12/16/2011	7.95	0.0	0.0
	9/29/2011	5.22	0.0	0.0
	6/15/2011	2.52	0.0	0.0
	3/16/2011	10.02	0.0	0.0
	12/3/2010	6.10	0.1	0.0
	9/29/2010	0.88	0.0	0.0
	6/25/2010	1.50	0.0	0.0
	3/19/2010	0.50	0.1	0.0

Historical MNA Parameters Former Bigfoot #30 Concentrations in parts per million, ppm				
Location	**Date**	**Dissolved Oxygen (DO)**	**Hydrogen Sulfide (H_2S)**	**Soluble Ferrous Iron (Fe^{2+})**
MW-15 (off-site)	9/20/2016	Not Sampled		
	6/21/2016	89.97	0.0	0.0
	3/25/2016	16.55	0.0	0.0
	12/29/2015	23.50	0.0	0.0
	9/30/2015	Not sampled at IDEM's request		
	6/29/2015			
	3/31/2015			
	12/17/2013	7.68	0.0	0.0
	9/23/2013	Not sampled at IDEM's request		
	6/28/2013			
	3/28/2013			
	12/19/2012	NS	0.0	0.0
	9/20/2012	NS	0.0	0.0
	6/28/2012	3.58	0.0	0.0
	3/26/2012	5.74	0.0	0.6
	12/16/2011	103.00	0.0	0.0
	9/29/2011	6.69	0.0	0.0
	6/15/2011	5.83	0.0	0.0
	3/16/2011	0.08	0.0	0.0
	12/3/2010	6.91	NS	NS
	9/29/2010	1.12	0.0	0.0
	6/25/2010	2.40	0.0	0.0
	3/19/2010	3.90	0.1	0.0
MW-16	9/20/2016	8.22	0.0	2.8
	6/21/2016	7.55	0.0	1.4
	3/25/2016	4.66	0.0	1.4
	12/29/2015	3.38	0.0	1.1
	9/30/2015	5.86	0.0	2.0
	6/29/2015	6.88	0.0	1.8
	3/31/2015	1.11	0.0	1.6
	12/17/2013	8.97	0.0	2.2
	9/23/2013	4.18	0.0	1.0
	6/28/2013	3.88	0.0	3.0
	3/28/2013	4.44	0.0	3.0
	12/19/2012	NS	0.0	1.2
	9/20/2012	NS	0.0	0.0
	6/28/2012	2.07	0.0	3.4
	3/26/2012	15.61	0.0	2.6

Historical MNA Parameters Former Bigfoot #30 Concentrations in parts per million, ppm				
Location	**Date**	**Dissolved Oxygen (DO)**	**Hydrogen Sulfide (H_2S)**	**Soluble Ferrous Iron (Fe^{2+})**
MW-17	9/20/2016	12.23	0.0	2.6
	6/21/2016	11.16	0.0	1.7
	3/25/2016	4.63	0.0	2.8
	12/29/2015	5.80	0.0	1.9
	9/30/2015	6.14	0.0	2.4
	6/29/2015	5.11	0.0	1.2
	3/31/2015	3.34	0.0	2.0
	12/17/2013	2.99	0.0	3.0
	9/23/2013	6.12	0.0	0.0
	6/28/2013	6.01	0.0	3.2
	3/28/2013	5.26	0.0	3.2
	12/19/2012	NS	0.0	2.0
	9/20/2012	NS	0.0	2.4
	6/28/2012	3.26	0.0	1.5
	3/26/2012	13.64	0.0	2.4
MW-18	9/20/2016	12.36	0.0	3.0
	6/21/2016	Not Sampled		
	3/25/2016	Unable to sample due to EAS sampler		
	12/29/2015	1.10	0.0	2.6
	9/30/2015	4.68	0.0	3.2
	6/29/2015	6.00	0.0	3.4
	3/31/2015	0.94	0.0	2.0
	12/17/2013	9.87	0.0	2.4
	9/23/2013	5.90	0.0	3.0
	6/28/2013	6.60	0.0	3.60
	3/28/2013	5.88	0.0	3.2
	12/19/2012	NS	0.0	2.0
	9/20/2012	NS	0.0	1.0
	6/28/2012	2.91	0.0	2.8
	3/26/2012	16.85	0.0	3.2
MW-19 (off-site)	9/20/2016	14.55	0.0	2.2
	6/21/2016	7.84	0.0	2.7
	3/25/2016	8.23	0.0	4.1
	12/29/2015	9.60	0.0	3.8
	9/30/2015	4.82	0.0	2.8
	6/29/2015	8.20	0.0	1.2
	3/31/2015	1.20	0.0	1.2
	12/17/2013	10.13	0.0	1.4
	9/23/2013	5.66	0.0	3.6
	6/28/2013	5.48	0.0	3.4
	3/28/2013	5.11	0.0	2.6
	12/19/2012	NS	0.0	1.2
	9/20/2012	NS	0.0	2.2
	6/28/2012	2.31	0.0	3.6
	3/26/2012	17.20	0.0	3.4

Historical MNA Parameters Former Bigfoot #30 Concentrations in parts per million, ppm				
Location	**Date**	**Dissolved Oxygen (DO)**	**Hydrogen Sulfide (H_2S)**	**Soluble Ferrous Iron (Fe^{2+})**
MW-20 (off-site)	9/20/2016	3.12	0.0	2.4
	6/21/2016	Not sampled at IDEM's request		
	3/25/2016			
	12/29/2015	3.97	0.0	0.0
	9/30/2015	6.36	0.0	1.2
	6/29/2015	Not sampled at IDEM's request		
	3/31/2015	8.43	0.0	0.0
	12/17/2013	8.88	0.0	0.0
	9/23/2013	4.22	0.0	0.0
	6/28/2013	4.02	0.0	1.8
	3/28/2013	4.33	0.0	0.0
	12/19/2012	NS	0.0	0.0
	9/20/2012	NS	0.0	3.0
	6/28/2012	3.51	0.0	1.0
	3/26/2012	7.16	0.0	1.0
MW-21	9/20/2016	11.36	0.0	2.8
	6/21/2016	8.96	0.0	3.2
	3/25/2016	5.89	0.0	3.1
	12/29/2015	1.45	0.0	3.6
	9/30/2015	6.34	0.0	1.8
	6/29/2015	9.22	0.0	2.2
	3/31/2015	0.84	0.0	2.6
	12/17/2013	13.99	0.0	3.0
	9/23/2013	8.00	0.0	2.0
	6/28/2013	7.55	0.1	3.0
	3/28/2013	6.97	0.0	3.2

NS: Not Sampled due to insufficient volume of water in well