American Environmental

December 9, 2016

Mr. Douglas Bartz
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)
Circle K #2392 (Formerly Jr. Food Mart)
2345 Covert Avenue
Evansville, Indiana
Facility I.D. Number: 17692
LUST Incident Number: 199407543 & 199307029dis
American Environmental Corporation Project Number: J-311040

Dear Mr. Bartz:

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

Corporate Office
8500 Georgetown Road
Indianapolis, IN 46268
317-871-4090
317-871-4094 Fax

Regional Office
9127 Galene Dr., Suite D
Louisville, KY 40299
502-491-0144
502-491-9271 Fax

Regional Office
3700 W. Grand Ave, Suite A
Springfield, IL 62711
217-585-9517
217-585-9518 Fax

Regional Office
4305 Muhlhauser Rd, Suite 3
Fairfield, OH 45014
513-874-7740
513-874-7756 Fax

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:	Mac's Circle K 2392 (Formerly Jr. Food Mart)
IDEM Project Manager:	Douglas Bartz

Facility ID:	17692
Incident #:	199407543 & 199307029dis

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:	Mac's Circle K 2392 (Formerly Jr. Food Mart)	Company Name:	American Environmental Corporation
Site Address:	2345 Covert Avenue	Project Manager:	Michael A. Hightchew
City, State, Zip Code:	Evansville, Indiana	Office Address:	9127 Galene Drive
County:	Vanderburgh	Suite Number:	Suite D
Responsible Party:	Mac's Convenience Stores LLC	City, State, Zip Code:	Louisville, KY 40299
Contact Person:	Mr. Matthew 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

12/8/2016 (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**.

The remedial system wells and piping were installed in October and November 2014. The remediation trailer was installed on site on January 20, 2015. Vectren completed the electrical service on February 11, 2015. The remediation system was temporarily started on March 3, 2015, and discharge samples were collected. The SVE-air sparge system was fully operational on April 9, 2015.

2.2 Groundwater Recovered *(if applicable)*		Groundwater Treated *(if applicable)*	
Ground Water Recovered During Reporting Period (gallons)	73,914	Ground Water Treated During Reporting Period (gallons)	0
Cumulative Total of Groundwater Recovered over Lifetime of System Operation (gallons)	593,618	Cumulative Total of Ground Water Treated over Lifetime of System Operation (gallons)	593,618
Final Disposition (i.e., disposal or discharge)	Discharge	Final Disposition (i.e., disposal or discharge)	Discharge

2.3 Free Product Recovered *(if applicable)*		2.4 Pounds VOCs Removed *(if applicable)*	
Free Product Recovered During Reporting Period (gallons)	0	VOCs removed (pounds) During Reporting Period	1
Cumulative Total of Free Product Recovered over Lifetime of System Operation (gallons)	0	Cumulative Total of VOCs Removed over Lifetime of System Operation (pounds)	174
Final Disposition	Not Applicable	Indicate whether VOC emissions were treated or discharged directly into the atmosphere	Discharged

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**.

This is the 19th full quarterly sampling event of the entire monitoring well network since the quarterly sampling resumed the first quarter of 2012. A portion of the wells were sampled on March 15, 2011. The benzene concentration in MW-8, MW-16R and MW-17 decreased this quarter and increased in MW-2, MW-7, MW-18 and MW-19. Trend charts depicting benzene concentrations over time for wells MW-2, MW-7, MW-8, MW-15, MW-16, MW-17, MW-18 and MW-19 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.

Laboratory results can be found in Appendix B.

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 20 monitoring wells on September 22, 2016. All samples were submitted to ESC, located in Mt. Juliet, TN, for analysis of BTEX and MTBE. It should be noted that MW-14 was apparently destroyed during sewer line work off site. The laboratory analytical results are included in Appendix B. The most recent groundwater analytical results are summarized in Table 3 and on Figure 2. 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 3. 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-16R sample and the duplicate sample from MW-16R.
The RPD for benzene was calculated to be 7.2%. 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 20 monitoring wells on September 22, 2016. All samples were submitted to ESC, located in Mt. Juliet, TN, for analysis of BTEX, MTBE and naphthalene.

During the most recent groundwater sampling event, benzene was detected above the RISC commercial default closure level (CDCL) for on site wells MW-2, MW-7, MW-16R and MW-18. Toluene exceeded the CDCL in MW-16R. Ethylbenzene exceeded the RDCL in MW-7, MW-16R and MW-18. Xylenes exceeded the RDCL in MW-16R. MTBE did not exceed the RDCL in any of the wells. Naphthalene's detection limit exceeded the RDCL in MW-2, MW-7, MW-16R and MW-18.

Quarterly groundwater monitoring will continue in the fourth quarter of 2016. Hinderliter Environmental Services submitted a CAP on April 20, 2007 and IDEM responded with a Review of CAP letter dated May 15, 2007. Hinderliter submitted Information requested from IDEM for a Revised CAP dated October 16, 2007. IDEM responded with a Revised CAP Approval letter dated November 17, 2008. American Environmental submitted a CAP Modification dated March 15, 2012. IDEM responded with a CAPA Denial Letter/FSI Request dated May 18, 2012. American Environmental submitted the FSI/CAPA on October 10, 2012. IDEM responded with a ISC Approval and Additional CAPA Information Request Letter dated January 16, 2013. American Environmental responded with a CAPA dated September 5, 2013. IDEM approved the CAPA by letter dated December 5, 2013. American Environmental installed the remediation system wells and system piping in October and November 2014. The system was delivered to the site on January 20, 2015. The system was fully operational on April 9, 2015.

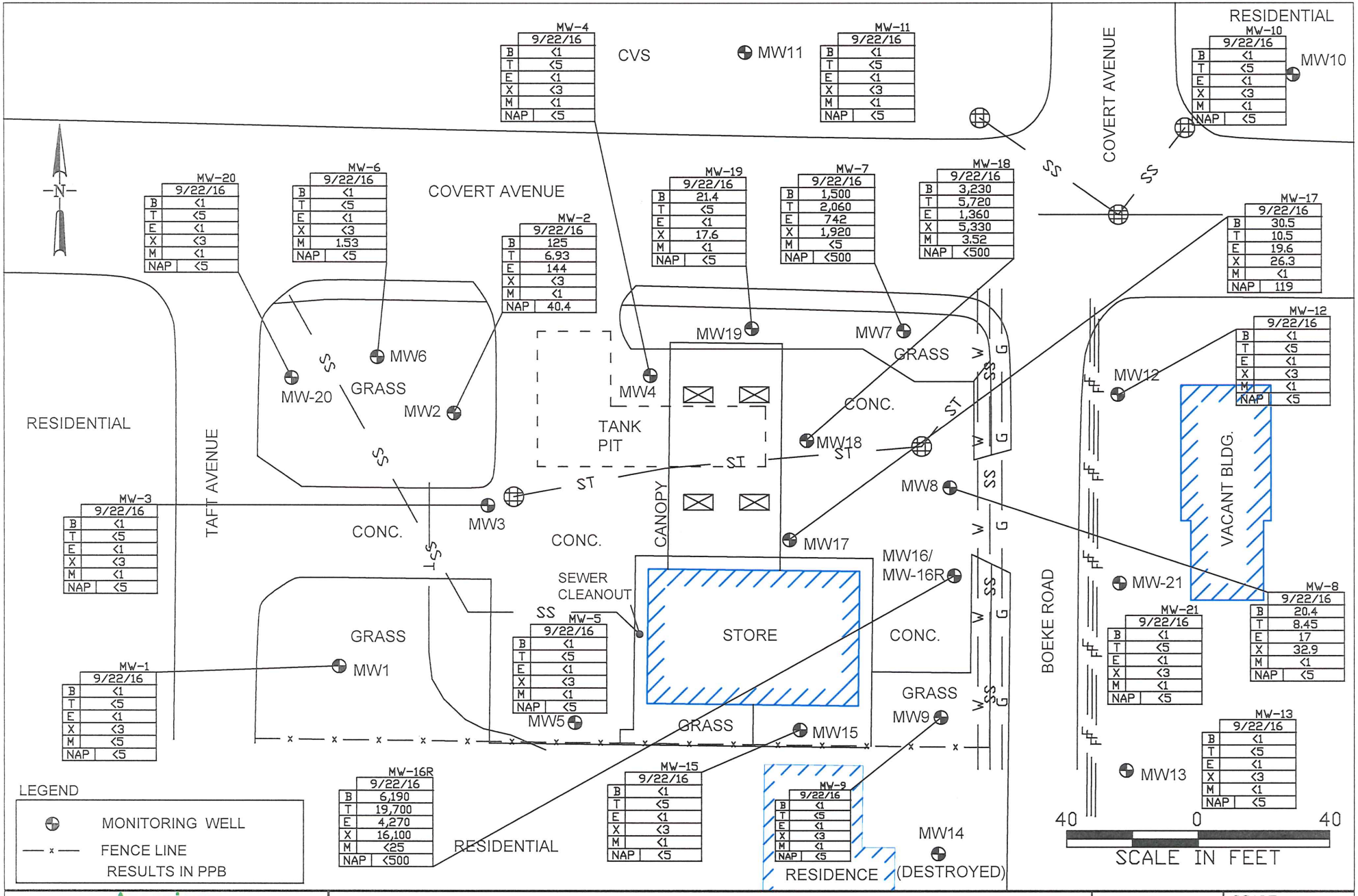
5.0 Required Table Formats

Table 2. Groundwater Elevations 9/22/2016				
Monitoring Well ID	Top of Casing Elevation (ft)	Depth to Groundwater (ft)*	Free Product Thickness (ft)	Groundwater Elevation (ft)
MW-1	100.00	11.07	0	88.93
MW-2	100.56	11.71	0	88.85
MW-3	99.88	10.74	0	89.14
MW-4	100.52	11.41	0	89.11
MW-5	100.27	11.12	0	89.15
MW-6	100.87	11.95	0	88.92
MW-7	100.92	11.94	0	88.98
MW-8	100.22	11.21	0	89.01
MW-9	100.51	11.55	0	88.96
MW-10	101.86	12.75	0	89.11
MW-11	101.44	12.35	0	89.09
MW-12	101.23	12.21	0	89.02
MW-13	100.67	11.93	0	88.74
MW-14	Destroyed during sewer project			
MW-15	100.58	11.94	0	88.64
MW-16	Destroyed			
MW-16R	100.69	11.77	0	88.92
MW-17	100.25	10.61	0	89.64
MW-18	99.65	10.74	0	88.91
MW-19	100.72	11.72	0	89.00
MW-20	100.48	11.55	0	88.93
MW-21	100.63	11.61	0	89.02

**Measured from top of casing*

Table 3. Groundwater Analytical Results (ppb) 9/22/2016						
Well ID	CONTAMINANTS OF CONCERN (COC)					
	Benzene	Toluene	Ethyl-benzene	Xylenes	MTBE	Naphthalene
MW-1	<1	<5	<1	<3	<1	<5
MW-2	**125**	6.93	144	<3	<1	*40.4*
MW-3	<1	<5	<1	<3	<1	<5
MW-4	<1	<5	<1	<3	<1	<5
MW-5	<1	<5	<1	<3	<1	<5
MW-6	<1	<5	<1	<3	1.53	<5
MW-7	**1,500**	*2,060*	*742*	1,920	<5	*187*
MW-8	*20.4*	8.45	17	32.9	<1	<5
MW-9	<1	<5	<1	<3	<1	<5
MW-10*	<1	<5	<1	<3	<1	<5
MW-11*	<1	<5	<1	<3	<1	<5
MW-12*	<1	<5	<1	<3	<1	<5
MW-13*	<1	<5	<1	<3	<1	<5
MW-14*	Could not locate due to previous sewer work in area					
MW-15	<1	<5	<1	<3	<1	<5
MW-16	Destroyed					
MW-16R	**6,190**	**19,700**	*4,270*	*16,100*	<25	*697*
MW-17	**30.5**	10.5	19.6	26.3	<1	6.21
MW-18	**3,230**	*5,720*	*1,360*	5,330	3.52	*182*
MW-19	*21.4*	<5	<1	17.6	<1	<5
MW-20	<1	<5	<1	<3	<1	<5
MW-21	<1	<5	<1	<3	<1	<5
DUP (MW-16R)	**5,760**	**16,300**	*4,280*	*16,900*	<10	*616*
CDCL	**52**	**8,200**	**10,000**	**20,000**	**720**	**2,000**
RDCL	*5*	*1,000*	*700*	*10,000*	*40*	*8.3*

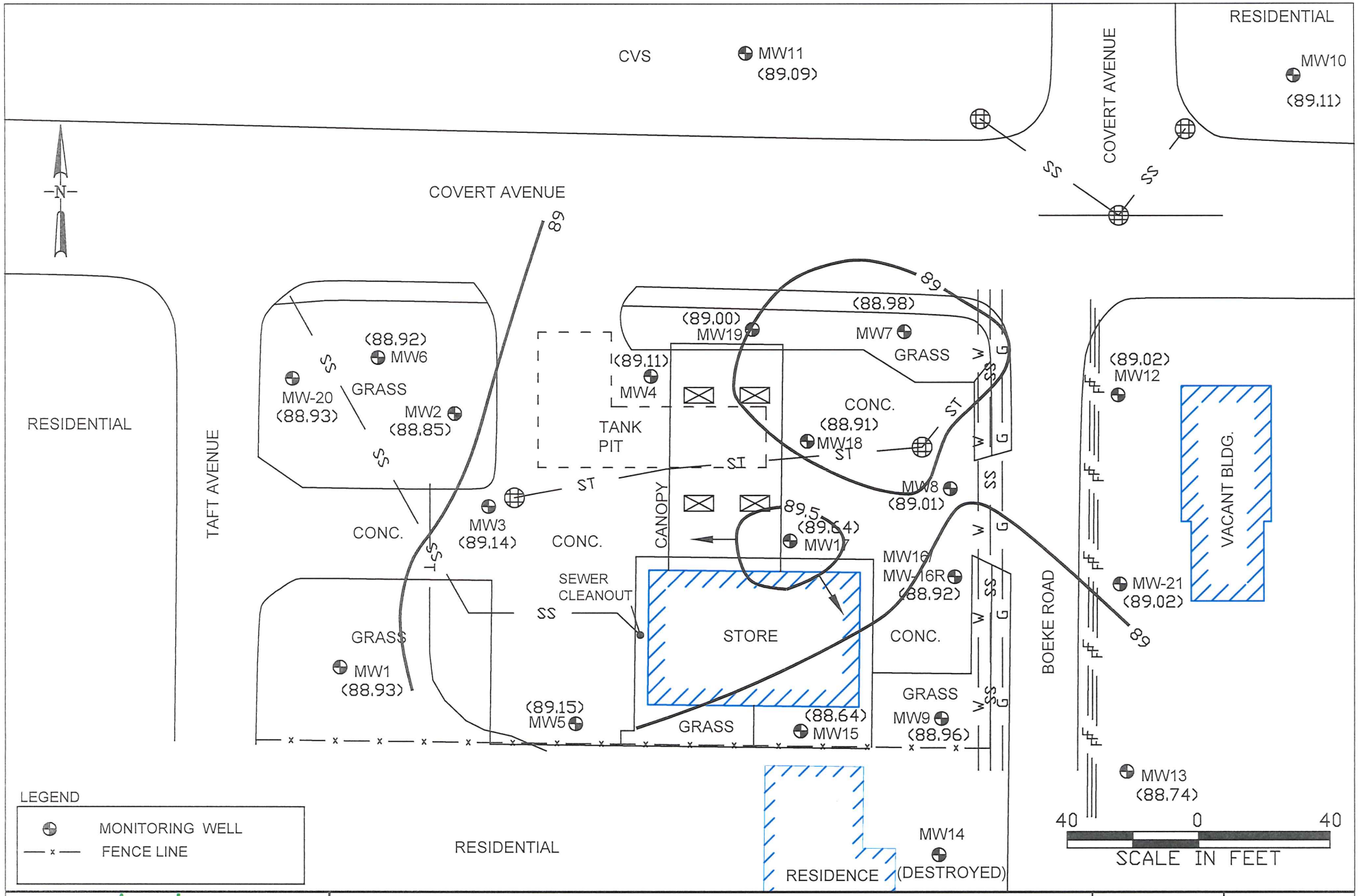
Bold = COC concentration greater than the 2006 RISC CDCL Cleanup Objective
Italics = COC concentration greater than the 2006 RISC RDCL Cleanup Objective
* = off-site well / DUP = duplicate



American Environmental
Indianapolis, Indiana-Corporate Office
(317) 871-4090
Louisville, Kentuck-Regional Office
(502) 491-0144
Springfield, Illinois-Regional Office
(217) 585-9517
Fairfield, Ohio-Regional Office
(513) 874-7740

GROUNDWATER BTEXM & NAPHTHALENE RESULTS 9/22/16
CIRCLE K #2392
2345 COVERT AVENUE
EVANSVILLE, INDIANA

Project No.: 311040	SCALE: AS SHOWN
Drawing File: 311040	FIGURE: 2
Date: 11/29/16	



American Environmental
Indianapolis, Indiana-Corporate Office
(317) 871-4090
Louisville, Kentuck-Regional Office
(502) 491-0144
Springfield, Illinois-Regional Office
(217) 585-9517
Fairfield, Ohio-Regional Office
(513) 874-7740

POTENTIOMETRIC SURFACE MAP 9/22/2016
CIRCLE K #2392
2345 COVERT AVENUE
EVANSVILLE, INDIANA

Project No.: 311040	SCALE: AS SHOWN
Drawing File: 311040	FIGURE: 3
Date: 11/29/2016	

APPENDIX A

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

AMERICAN ENVIRONMENTAL OPERATION AND MAINTENANCE LOG

Facility Name: Mac's # 2392
Address: 2345 Covert Ave. Evansville, Indiana
Project Number: 311040

Sampling Parameters	
Water	Air
Effluent: benzene (8021), pH (monthly)	BTEX, TPH C4-C12, speciated MPE & Air Str (Quarterly)
Influent: blexm -8021	
Lab: ESC	Microseeps

Instructions:
Perform O&M tasks/data collection (in bold) according to the specified frequency.
Put yes, no, or the appropriate data in the column below the date of each visit.
For pressure/vacuum readings, include the units with data (i.e. " Hg, " W/C, psi).
* Indicates that the data will be automatically entered when field data is entered into the spreadsheet.
Mac's # 2392

Description	Frequency					
Date		6-23-16	6-30-16	7-8-16		
Arrival: Up or down?	each visit	UP	UP	DWN		
If down, why?	each visit	—		-		
Flow Meter Reading	each visit	2694920	2695404	2700065		
*Total flow between visits	each visit	284	484	4661		
MPE Hours	each visit	9751.5	9796.4	9845.6		
*MPE run time	each visit	59.99	44.9	49.2		
Flow Rate (gallons per minute)	each visit	.08	.17	1.55		
days ran	each visit	7	5	6		
Sparge hours	each visit	—	—			
sparge run time	each visit	—	—			
Effluent Water Sample	1/month	N	N			
If yes, what is the pH?	1/month	—	—			
Grease Blowers	weekly	Y	N			
Air Sample	1/quarter	—	—			
Air Stripper Anem. (fpm)/'F	1/quarter	—	—			
MPE Anem. (fpm)/'F	1/quarter	—	—			
temperature at mpe blower	each visit	—	—			
Vacuum at MPE blower (in Hg)	each visit	13	11			
Vac. Rdg. At KO Tank	bi-weekly	4.5	4			
Pressure at sparge blower (psi)	each visit	—	—			
temperature at sparge blower	each visit	—	—			
Pressure at TP-1 (psi)	each visit	29	29			
Pressure at TP-2 (psi)	each visit	27	27			
Pressure at TP-3 (psi)	each visit	36	38			
Pressure at Air Stripper (in H2O)	each visit	9.5	10			
Amps at MPE blower (FLA= 48)	bi-weekly	42.2	42.2			
Amps at MPE blower L-2	bi-weekly	42.2	42.1			
Amps at MPE blower L-3	bi-weekly	41.2	41.2			
Amps at TP-1 L-1 (FLA=4.6)	bi-weekly	3.2	3.2			
Amps at TP-1 L-2	bi-weekly	2.7	2.6			
Amps at TP-1 L-3	bi-weekly	2.6	2.6			
Amps at TP-2 L-1 (FLA=3.0)	bi-weekly	2.8	2.8			
Amps at TP-2 L-2	bi-weekly	2.9	2.8			
Amps at TP-2 L-3	bi-weekly	2.8	2.8			
Amps at TP-3 L-1 (FLA= 3.0)	bi-weekly	2.4	2.7			
Amps at TP-3 L-2	bi-weekly	2.6	2.5			
Amps at TP-3 L-3	bi-weekly	2.6	2.1			

			7-8			
Amps at Air Stripper (FLA= 7.4)	bi-weekly	3.5	3.4			
Amps at Air Stripper L-2	bi-weekly	3.4	3.4			
Amps at Air Stripper L-3	bi-weekly	3.2	3.2			
Amps at Air Sparge (FLA= 39)	bi-weekly					
Amps at Air Sparge L-2	bi-weekly					
Amps at Air Sparge L-3	bi-weekly					
pressure @ Sprage SP-1	bi-weekly					
pressure @ Sprage SP-2	bi-weekly					
pressure @ Sprage SP-3	bi-weekly					
pressure @ Sprage SP-4	bi-weekly					
pressure @ Sprage SP-5	bi-weekly					
pressure @ Sprage SP-6	bi-weekly					
pressure @ Sprage SP-7	bi-weekly					
pressure @ Sprage SP-8	bi-weekly					
pressure @ Sprage SP-9	bi-weekly					
Vac. rdg. at MPE-1 (in Hg)	Monthly	open				
Vac. rdg. at MPE-2 (in Hg)	Monthly	–				
Vac. rdg. at MPE-3 (in Hg)	Monthly	–				
Vac. rdg. at MPE-4 (in Hg)	Monthly	–				
Vac. rdg. at MPE-5 (in Hg)	Monthly	open				
Vac. rdg. at MPE-6 (in Hg)	Monthly	open				
Vac. rdg. at MPE-7 (in Hg)	Monthly	–				
Vac. rdg. at MPE-8 (in Hg)	Monthly	–				
Vac. rdg. at MPE-9 (in Hg)	Monthly	–				
Vac. rdg. at MPE-10 (in Hg)	Monthly	open				
Clean Y-Strainers	each visit	N	Y			
Clean Flow Meters	each visit	N	Y			
Check Air Filter	each visit	change	N			
Rydlime Transfer Pumps	each visit	Y	N			
Clean Air Stripper	as needed	N	N			
Clean Oil/Water Separator	as needed	N	N			
Clean Knockout Tank	as needed	N	N			
Clean L.L. Controls & Sight Tubes	as needed	N	Y			
backwash carbon	weekly	Y	N			
Depth to water (mw-?)	weekly	10.71	10.76			
change oil blowers	2000 hours	~~Add~~ N	N			
Add oil to blowers (amount?)	as needed	yes	N			
Departure: up or down?	each visit	up	up			
O&M Tech Initials	each visit	DL	DL			
revised 3/20/15 S. Aho	NOTES					

6-23 up on arrival, change 2 air filters, Rydlyme TP 1 + 3. Add oil, Restart, gauge Amps & DTW, monitor, up on departure

6-30 up on arrival, gauge Amps & DTW, clean strainer, tubes, flow meter, Adjust valves to get Hg correct, monitor, up on departure

7-8 Down on arrival - All power off in area

AMERICAN ENVIRONMENTAL OPERATION AND MAINTENANCE LOG

Facility Name: Mac's # 2392
Address: 2345 Covert Ave.
Evansville, Indiana
Project Number: 311040

Sampling Parameters	
Water	Air
Effluent: benzene (8021), pH (monthly)	BTEX, TPH C4-C12, specialed
Influent: blexm -8021	MPE & Air Str (Quarterly)
Lab: ESC	Microseeps

Instructions:
Perform O&M tasks/data collection (in bold) according to the specified frequency.
Put yes, no, or the appropriate data in the column below the date of each visit.
For pressure/vacuum readings, include the units with data (i.e. " Hg, " W/C, psi).
* Indicates that the data will be automatically entered when field data is entered into the spreadsheet.
Mac's # 2392

Description	Frequency					
Date		7-12-16				
Arrival: Up or down?	each visit	DWN				
If down, why?	each visit	HLAS				
Flow Meter Reading	each visit	2700090				
*Total flow between visits	each visit	—				
MPE Hours	each visit	9845.8				
*MPE run time	each visit	2				
Flow Rate (gallons per minute)	each visit	—				
days ran	each visit	—				
Sparge hours	each visit	—				
sparge run time	each visit	—				
Effluent Water Sample	1/month	Y				
If yes, what is the pH?	1/month	7.09				
Grease Blowers	weekly	yes				
Air Sample	1/quarter	yes				
Air Stripper Anem. (fpm)/'F	1/quarter	1750 / 81				
MPE Anem. (fpm)/'F	1/quarter	4400 / 149				
temperature at mpe blower	each visit	—				
Vacuum at MPE blower (in Hg)	each visit	11				
Vac. Rdg. At KO Tank	bi-weekly	7				
Pressure at sparge blower (psi)	each visit	—				
temperature at sparge blower	each visit	—				
Pressure at TP-1 (psi)	each visit	31				
Pressure at TP-2 (psi)	each visit	28				
Pressure at TP-3 (psi)	each visit	36				
Pressure at Air Stripper (in H2O)	each visit	10				
Amps at MPE blower (FLA= 48)	bi-weekly					
Amps at MPE blower L-2	bi-weekly					
Amps at MPE blower L-3	bi-weekly					
Amps at TP-1 L-1 (FLA=4.6)	bi-weekly					
Amps at TP-1 L-2	bi-weekly					
Amps at TP-1 L-3	bi-weekly					
Amps at TP-2 L-1 (FLA=3.0)	bi-weekly					
Amps at TP-2 L-2	bi-weekly					
Amps at TP-2 L-3	bi-weekly					
Amps at TP-3 L-1 (FLA= 3.0)	bi-weekly					
Amps at TP-3 L-2	bi-weekly					
Amps at TP-3 L-3	bi-weekly					

ate data in the column below the date of each visit.
ngs, include the units with data (i.e. " Hg, " W/C, psi).
be automatically entered when field data is entered into the spreadsheet.

	Frequency					
		7-12-16	7-18-16			
	each visit	DWN	DWN			
	each visit	HLAS	Time			
	each visit	2700090	2703610			
	each visit	—	3520			
	each visit	9845.8	9887.4			
	each visit	.2	41.6			
e)	each visit	—	1.41			
	each visit	—	—			
	each visit	—	—			
	each visit	—	—			
	1/month	y				
	1/month	7.09				
	weekly	yes				
	1/quarter	yes				
	1/quarter	1750/81				
	1/quarter	4400/149				
	each visit	—				
	each visit	11				
	bi-weekly	7				
	each visit	—				
	each visit	—				
	each visit	31				
	each visit	28				
	each visit	36				
	each visit	10				
	bi-weekly					
	bi-weekly					
	bi-weekly					
	bi-weekly					
	bi-weekly					

Clean L.L. Controls & Sight Tubes	weekly	N			
backwash carbon	weekly	10.18			
Depth to water (mw-?)	2000 hours	N			
change oil blowers	as needed	Add			
Add oil to blowers (amount?)	each visit	up	DWN		
Departure: up or down?	each visit	BL	JU		
O&M Tech Initials	NOTES				

revised 3/20/15 S. Aho

7-12 - Down on arrival, HLAS TP 3 tripped - when power come back on. Restart
- ~~clean met~~ collect Air + Water Samples.
- clean meter, tubes, switches, strainer, moisture
- up on departure

7-18 - Down on arrival - not sure why - oil leaking from blower - left off.

AMERICAN ENVIRONMENTAL OPERATION AND MAINTENANCE LOG

Facility Name: Mac's # 2392
Address: 2345 Covert Ave.
Evansville, Indiana
Project Number: 311040

Sampling Parameters	
Water	Air
Effluent: benzene (8021), pH (monthly)	BTEX, TPH C4-C12, speciated
Influent: btexm -8021	MPE & Air Str (Quarterly)
Lab: ESC	Microseeps

Instructions:
Perform O&M tasks/data collection (in bold) according to the specified frequency.
Put yes, no, or the appropriate data in the column below the date of each visit.
For pressure/vacuum readings, include the units with data (i.e. " Hg, " W/C, psi).
* Indicates that the data will be automatically entered when field data is entered into the spreadsheet.
Mac's # 2392

Description	Frequency					
Date		8-5-16	8-12-16	8-18-16		
Arrival: Up or down?	each visit	Down	up	up		
If down, why?	each visit	Blower	–	–		
Flow Meter Reading	each visit	2703610	2703779	2709690		
*Total flow between visits	each visit	–	169	3911		
MPE Hours	each visit	9887	9946	9994		
*MPE run time	each visit	–	59	48		
Flow Rate (gallons per minute)	each visit	–	.048	1.38		
days ran	each visit	–	7	6		
Sparge hours	each visit	–	–	–		
sparge run time	each visit	–	–	–		
Effluent Water Sample	1/month	Yes	Yes	–		
If yes, what is the pH?	1/month	7.17	7.14	–		
Grease Blowers	weekly	N	N	Yes		
Air Sample	1/quarter	–	–	–		
Air Stripper Anem. (fpm)/'F	1/quarter	–	–	–		
MPE Anem. (fpm)/'F	1/quarter	–	–	–		
temperature at mpe blower	each visit	–	–	–		
Vacuum at MPE blower (in Hg)	each visit	13	10	11.5		
Vac. Rdg. At KO Tank	bi-weekly	9	6	7		
Pressure at sparge blower (psi)	each visit	–	–	–		
temperature at sparge blower	each visit	–	–	–		
Pressure at TP-1 (psi)	each visit	30	30	31		
Pressure at TP-2 (psi)	each visit	28	28	22		
Pressure at TP-3 (psi)	each visit	40	41	40		
Pressure at Air Stripper (in H2O)	each visit	10	10	11		
Amps at MPE blower (FLA= 48)	bi-weekly	39.5		39.6		
Amps at MPE blower L-2	bi-weekly	38.4		38.5		
Amps at MPE blower L-3	bi-weekly	37.9		37.6		
Amps at TP-1 L-1 (FLA=4.6)	bi-weekly	2.7		2.6		
Amps at TP-1 L-2	bi-weekly	2.7		2.7		
Amps at TP-1 L-3	bi-weekly	2.4		2.4		
Amps at TP-2 L-1 (FLA=3.0)	bi-weekly	2.8		2.8		
Amps at TP-2 L-2	bi-weekly	2.8		2.9		
Amps at TP-2 L-3	bi-weekly	2.9		2.9		
Amps at TP-3 L-1 (FLA= 3.0)	bi-weekly	2.6		2.6		
Amps at TP-3 L-2	bi-weekly	2.5		2.6		
Amps at TP-3 L-3	bi-weekly	2.5		2.5		

				8-18		
Amps at Air Stripper (FLA= 7.4)	bi-weekly	3.5		3.6		
Amps at Air Stripper L-2	bi-weekly	3.6		3.6		
Amps at Air Stripper L-3	bi-weekly	3.3		3.2		
Amps at Air Sparge (FLA= 39)	bi-weekly					
Amps at Air Sparge L-2	bi-weekly					
Amps at Air Sparge L-3	bi-weekly					
pressure @ Sprage SP-1	bi-weekly					
pressure @ Sprage SP-2	bi-weekly					
pressure @ Sprage SP-3	bi-weekly					
pressure @ Sprage SP-4	bi-weekly					
pressure @ Sprage SP-5	bi-weekly					
pressure @ Sprage SP-6	bi-weekly					
pressure @ Sprage SP-7	bi-weekly					
pressure @ Sprage SP-8	bi-weekly					
pressure @ Sprage SP-9	bi-weekly					
Vac. rdg. at MPE-1 (In Hg)	Monthly		open			
Vac. rdg. at MPE-2 (In Hg)	Monthly		–			
Vac. rdg. at MPE-3 (In Hg)	Monthly		–			
Vac. rdg. at MPE-4 (In Hg)	Monthly		–			
Vac. rdg. at MPE-5 (In Hg)	Monthly		open			
Vac. rdg. at MPE-6 (In Hg)	Monthly		open			
Vac. rdg. at MPE-7 (In Hg)	Monthly		–			
Vac. rdg. at MPE-8 (In Hg)	Monthly		–			
Vac. rdg. at MPE-9 (In Hg)	Monthly		–			
Vac. rdg. at MPE-10 (In Hg)	Monthly		open			
Clean Y-Strainers	each visit	Y	N	Yes		
Clean Flow Meters	each visit	Y	N	Yes		
Check Air Filter	each visit	N	Y	Yes		
Rydlime Transfer Pumps	each visit	N	N	N		
Clean Air Stripper	as needed	N	N	N		
Clean Oil/Water Separator	as needed	N	N	N		
Clean Knockout Tank	as needed	N	N	N		
Clean L.L. Controls & Sight Tubes	as needed	N	N	Yes		
backwash carbon	weekly	N	N	Yes		
Depth to water (mw-?)	weekly	10.64	10.79	10.54		
change oil blowers	2000 hours	Yes	N	N		
Add oil to blowers (amount?)	as needed	–	N	N		
Departure: up or down?	each visit	up	up	up		
O&M Tech Initials	each visit	DL | SA	DL	DL		
revised 3/20/15 S. Aho	NOTES					

- off on arrival, Clean strainer + meter, gauge DTW

8-5 - Install repaired blower, ~~[illegible]~~ re start

- Run several cycles, gauge Amps
- collect monthly Samples

8-12 - up on arrival, Adjust Hg up, collect discharge Samples, gauge DTW, Amps, clean strainer
- up on departure

8-18 up on arrival, Gauge Amps / DTW, Clean Site tubes, switches, meter, strainer. Re start + monitor. Up on departure

AMERICAN ENVIRONMENTAL OPERATION AND MAINTENANCE LOG

Facility Name: Mac's # 2392
Address: 2345 Covert Ave.
Evansville, Indiana
Project Number: 311040

Sampling Parameters	
Water	Air
Effluent: benzene (8021), pH (monthly)	BTEX, TPH C4-C12, speciated
Influent: btexm -8021	MPE & Air Str (Quarterly)
Lab: ESC	Microseeps

Instructions:
Perform O&M tasks/data collection (in bold) according to the specified frequency.
Put yes, no, or the appropriate data in the column below the date of each visit.
For pressure/vacuum readings, include the units with data (i.e. " Hg, " W/C, psi).
* Indicates that the data will be automatically entered when field data is entered into the spreadsheet.
Mac's # 2392

Description	Frequency					
Date		8.25.16	9.1.16	9.8.16		
Arrival: Up or down?	each visit	up	Down	up		
If down, why?	each visit	–	Timer	–		
Flow Meter Reading	each visit	2717110	2726701	2737739		
*Total flow between visits	each visit	9420	9591	11038		
MPE Hours	each visit	0054	0113	173		
*MPE run time	each visit	60	59	60		
Flow Rate (gallons per minute)	each visit	2.61	2.70	3.06		
days ran	each visit	7	7	7		
Sparge hours	each visit	–	–	–		
sparge run time	each visit	–	–	–		
Effluent Water Sample	1/month	N	Y	N		
If yes, what is the pH?	1/month	N	7.21	N		
Grease Blowers	weekly	Y	N	Y		
Air Sample	1/quarter	N	N	N		
Air Stripper Anem. (fpm)/°F	1/quarter	N	N	N		
MPE Anem. (fpm)/°F	1/quarter	N	–	–		
temperature at mpe blower	each visit	N	–	–		
Vacuum at MPE blower (in Hg)	each visit	13	13	13		
Vac. Rdg. At KO Tank	bi-weekly	9	9	9		
Pressure at sparge blower (psi)	each visit	–	–	–		
temperature at sparge blower	each visit	–	–	–		
Pressure at TP-1 (psi)	each visit	31	30	30		
Pressure at TP-2 (psi)	each visit	22	22	22		
Pressure at TP-3 (psi)	each visit	41	43	35		
Pressure at Air Stripper (in H2O)	each visit	11	11	11.5		
Amps at MPE blower (FLA= 48)	bi-weekly		39.7			
Amps at MPE blower L-2	bi-weekly		38.5			
Amps at MPE blower L-3	bi-weekly		37.5			
Amps at TP-1 L-1 (FLA=4.6)	bi-weekly		2.7			
Amps at TP-1 L-2	bi-weekly		2.7			
Amps at TP-1 L-3	bi-weekly		2.4			
Amps at TP-2 L-1 (FLA=3.0)	bi-weekly		2.8			
Amps at TP-2 L-2	bi-weekly		2.9			
Amps at TP-2 L-3	bi-weekly		2.8			
Amps at TP-3 L-1 (FLA= 3.0)	bi-weekly		2.6			
Amps at TP-3 L-2	bi-weekly		2.5			
Amps at TP-3 L-3	bi-weekly		2.5			

		8.25				
Amps at Air Stripper (FLA= 7.4)	bi-weekly		3.5			
Amps at Air Stripper L-2	bi-weekly		3.6			
Amps at Air Stripper L-3	bi-weekly		3.2			
Amps at Air Sparge (FLA= 39)	bi-weekly					
Amps at Air Sparge L-2	bi-weekly					
Amps at Air Sparge L-3	bi-weekly					
pressure @ Sprage SP-1	bi-weekly					
pressure @ Sprage SP-2	bi-weekly					
pressure @ Sprage SP-3	bi-weekly					
pressure @ Sprage SP-4	bi-weekly					
pressure @ Sprage SP-5	bi-weekly					
pressure @ Sprage SP-6	bi-weekly					
pressure @ Sprage SP-7	bi-weekly					
pressure @ Sprage SP-8	bi-weekly					
pressure @ Sprage SP-9	bi-weekly					
Vac. rdg. at MPE-1 (in Hg)	Monthly					
Vac. rdg. at MPE-2 (in Hg)	Monthly					
Vac. rdg. at MPE-3 (in Hg)	Monthly					
Vac. rdg. at MPE-4 (in Hg)	Monthly					
Vac. rdg. at MPE-5 (in Hg)	Monthly					
Vac. rdg. at MPE-6 (in Hg)	Monthly					
Vac. rdg. at MPE-7 (in Hg)	Monthly					
Vac. rdg. at MPE-8 (in Hg)	Monthly					
Vac. rdg. at MPE-9 (in Hg)	Monthly					
Vac. rdg. at MPE-10 (in Hg)	Monthly					
Clean Y-Strainers	each visit	Y	Y	Y		
Clean Flow Meters	each visit	Y	Y	Y		
Check Air Filter	each visit	Y	N	N		
Rydlime Transfer Pumps	each visit	N	N	N		
Clean Air Stripper	as needed	N	N	N		
Clean Oil/Water Separator	as needed	N	N	N		
Clean Knockout Tank	as needed	N	N	N		
Clean L.L. Controls & Sight Tubes	as needed	Y	N	Y		
backwash carbon	weekly	Y	Y	N		
Depth to water (mw-?)	weekly	10.71	10.84	10.85		
change oil blowers	2000 hours	N	N	N		
Add oil to blowers (amount?)	as needed	N	N	N		
Departure: up or down?	each visit	up	up	up		
O&M Tech Initials	each visit	DL	DL	DL		
revised 3/20/16 S. Aho	NOTES					

8.25 - up on arrival, gauge DTW
- clean site tubes/switches, strainer, meter + trailer
- spray for insects, monitor system
- up on departure

1-1 - Down on arrival (Timer) clean trailer, strainer, meter
- gauge Amps + DTW, Back flush GAC
- collect monthly samples, ph
- up on departure

9-8 - up on arrival, clean trailer, tubes/switches meter + strainer + trailer, monitor, up on departure

AMERICAN ENVIRONMENTAL OPERATION AND MAINTENANCE LOG

Facility Name: Mac's # 2392
Address: 2345 Covert Ave.
Evansville, Indiana
Project Number: 311040

Sampling Parameters	
Water	Air
Effluent: benzene (8021), pH (monthly)	BTEX, TPH C4-C12, speciated MPE & Air Str (Quarterly)
Influent: blexm -8021	
Lab: ESC	Microseeps

Instructions:
Perform O&M tasks/data collection (in bold) according to the specified frequency.
Put yes, no, or the appropriate data in the column below the date of each visit.
For pressure/vacuum readings, include the units with data (i.e. " Hg, " W/C, psi).
* Indicates that the data will be automatically entered when field data is entered into the spreadsheet.
Mac's # 2392

Description	Frequency					
Date		9.15.16	9.22.16	9.28.16		
Arrival: Up or down?	each visit	UP	UP	UP		
If down, why?	each visit	–		–		
Flow Meter Reading	each visit	2748210	2759417	2768318		
*Total flow between visits	each visit	10471	11207	9901		
MPE Hours	each visit	233	292	342		
*MPE run time	each visit	60	59	50		
Flow Rate (gallons per minute)	each visit	2.90	3.14	3.00		
days ran	each visit	7	7	6		
Sparge hours	each visit	–	–	–		
sparge run time	each visit	–	–	–		
Effluent Water Sample	1/month	N	N	N		
If yes, what is the pH?	1/month	N	N	N		
Grease Blowers	weekly	N	Y	N		
Air Sample	1/quarter	N	N	N		
Air Stripper Anem. (fpm)/°F	1/quarter	N	N	N		
MPE Anem. (fpm)/°F	1/quarter	N	–	–		
temperature at mpe blower	each visit	N	–	–		
Vacuum at MPE blower (in Hg)	each visit	12.5	13	11		
Vac. Rdg. At KO Tank	bi-weekly	8	9	8		
Pressure at sparge blower (psi)	each visit	–	–	–		
temperature at sparge blower	each visit	–	–	–		
Pressure at TP-1 (psi)	each visit	30	30	29		
Pressure at TP-2 (psi)	each visit	22	22	22		
Pressure at TP-3 (psi)	each visit	37	38	39		
Pressure at Air Stripper (in H2O)	each visit	11.5	11.5	12		
Amps at MPE blower (FLA= 48)	bi-weekly	42.3		42.1		
Amps at MPE blower L-2	bi-weekly	42.2		42.2		
Amps at MPE blower L-3	bi-weekly	41.0		41.1		
Amps at TP-1 L-1 (FLA=4.6)	bi-weekly	3.2		3.2		
Amps at TP-1 L-2	bi-weekly	2.8		2.9		
Amps at TP-1 L-3	bi-weekly	2.7		2.7		
Amps at TP-2 L-1 (FLA=3.0)	bi-weekly	2.8		2.7		
Amps at TP-2 L-2	bi-weekly	2.9		2.8		
Amps at TP-2 L-3	bi-weekly	2.8		2.8		
Amps at TP-3 L-1 (FLA= 3.0)	bi-weekly	2.6		2.5		
Amps at TP-3 L-2	bi-weekly	2.5		2.5		
Amps at TP-3 L-3	bi-weekly	2.3		2.5		

Amps at Air Stripper (FLA= 7.4)	bi-weekly	3.3		3.2		
Amps at Air Stripper L-2	bi-weekly	3.4		3.3		
Amps at Air Stripper L-3	bi-weekly	3.2		3.2		
Amps at Air Sparge (FLA= 39)	bi-weekly					
Amps at Air Sparge L-2	bi-weekly					
Amps at Air Sparge L-3	bi-weekly					
pressure @ Sprage SP-1	bi-weekly					
pressure @ Sprage SP-2	bi-weekly					
pressure @ Sprage SP-3	bi-weekly					
pressure @ Sprage SP-4	bi-weekly					
pressure @ Sprage SP-5	bi-weekly					
pressure @ Sprage SP-6	bi-weekly					
pressure @ Sprage SP-7	bi-weekly					
pressure @ Sprage SP-8	bi-weekly					
pressure @ Sprage SP-9	bi-weekly					
Vac. rdg. at MPE-1 (in Hg)	Monthly					
Vac. rdg. at MPE-2 (in Hg)	Monthly					
Vac. rdg. at MPE-3 (in Hg)	Monthly					
Vac. rdg. at MPE-4 (in Hg)	Monthly					
Vac. rdg. at MPE-5 (in Hg)	Monthly					
Vac. rdg. at MPE-6 (in Hg)	Monthly					
Vac. rdg. at MPE-7 (in Hg)	Monthly					
Vac. rdg. at MPE-8 (in Hg)	Monthly					
Vac. rdg. at MPE-9 (in Hg)	Monthly					
Vac. rdg. at MPE-10 (in Hg)	Monthly			07		
Clean Y-Strainers	each visit	Y	Y	Y		
Clean Flow Meters	each visit	Y	Y	Y		
Check Air Filter	each visit	N	Y	N		
Rydlime Transfer Pumps	each visit	TPI	N	N		
Clean Air Stripper	as needed	N	N	N		
Clean Oil/Water Separator	as needed	N	N	N		
Clean Knockout Tank	as needed	N	N	N		
Clean L.L. Controls & Sight Tubes	as needed	Y	Y	Y		
backwash carbon	weekly	Y	N	Y		
Depth to water (mw-?)	weekly	10.89	11.07	11.08		
change oil blowers	2000 hours	N	N	N		
Add oil to blowers (amount?)	as needed	N	N	N		
Departure: up or down?	each visit	up	up	up		
O&M Tech Initials	each visit	DC	AL	DV		
revised 3/20/15 S. Aho	NOTES					

9.15 - up on arrival, gauge Amps + DTW
- clean meter, strainer, tubes ~~+TPI~~, trailer
- re start + monitor, up on departure

9.22 - up on arrival
- clean tubes/switches, strainer, meter
- re start + monitor. Lube LRP
- up on departure

9.28 - up on arrival, gauge DTW, Amps. clean site tubes, strainer meter, Backflush GAC. up on departure

ANALYTICAL REPORT

July 20, 2016

American Environmental - IN CKR

Sample Delivery Group:	L847023
Samples Received:	07/14/2016
Project Number:	311040
Description:	Circle K 2392 - Evansville, IN
Site:	2392
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.

TABLE OF CONTENTS

[1]Cp: Cover Page 1

[2]Tc: Table of Contents 2

[3]Ss: Sample Summary 3

[4]Cn: Case Narrative 4

[5]Sr: Sample Results 5

INFLEUNT L847023-01 5

MIDPOINT#1 L847023-02 6

MIDPOINT#2 L847023-03 7

EFFLUENT L847023-04 8

[6]Qc: Quality Control Summary 9

Volatile Organic Compounds (GC) by Method 8021 9

[7]Gl: Glossary of Terms 11

[8]Al: Accreditations & Locations 12

[9]Sc: Chain of Custody 13

INFLEUNT L847023-01 GW

Collected by: Barry Luppert
Collected date/time: 07/12/16 10:15
Received date/time: 07/14/16 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Volatile Organic Compounds (GC) by Method 8021	WG889144	1	07/16/16 02:30	07/16/16 02:30	ACG
Volatile Organic Compounds (GC) by Method 8021	WG890328	1	07/19/16 22:40	07/19/16 22:40	DAH

MIDPOINT#1 L847023-02 GW

Collected by: Barry Luppert
Collected date/time: 07/12/16 10:20
Received date/time: 07/14/16 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Volatile Organic Compounds (GC) by Method 8021	WG889144	1	07/16/16 02:53	07/16/16 02:53	ACG

MIDPOINT#2 L847023-03 GW

Collected by: Barry Luppert
Collected date/time: 07/12/16 10:22
Received date/time: 07/14/16 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Volatile Organic Compounds (GC) by Method 8021	WG889144	1	07/16/16 03:15	07/16/16 03:15	ACG

EFFLUENT L847023-04 GW

Collected by: Barry Luppert
Collected date/time: 07/12/16 10:25
Received date/time: 07/14/16 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Volatile Organic Compounds (GC) by Method 8021	WG889144	1	07/16/16 03:37	07/16/16 03:37	ACG

1 Cp
2 Tc
3 Ss
4 Cn
5 Sr
6 Qc
7 Gl
8 Al
9 Sc

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

Volatile Organic Compounds (GC) by Method 8021

Analyte	Result ug/l	Qualifier	RDL ug/l	Dilution	Analysis date / time	Batch
Benzene	ND		0.500	1	07/16/2016 02:30	WG889144
Toluene	ND		5.00	1	07/16/2016 02:30	WG889144
Ethylbenzene	ND		0.500	1	07/16/2016 02:30	WG889144
Total Xylene	ND		1.50	1	07/16/2016 02:30	WG889144
Methyl tert-butyl ether	ND		1.00	1	07/19/2016 22:40	WG890328
(S) a,a,a-Trifluorotoluene(PID)	*101*		*55.0-122*		*07/19/2016 22:40*	WG890328
(S) a,a,a-Trifluorotoluene(PID)	*100*		*55.0-122*		*07/16/2016 02:30*	WG889144

Volatile Organic Compounds (GC) by Method 8021

Analyte	Result ug/l	Qualifier	RDL ug/l	Dilution	Analysis date / time	Batch
Benzene	ND		0.500	1	07/16/2016 02:53	WG889144
Toluene	ND		5.00	1	07/16/2016 02:53	WG889144
Ethylbenzene	ND		0.500	1	07/16/2016 02:53	WG889144
Total Xylene	ND		1.50	1	07/16/2016 02:53	WG889144
Methyl tert-butyl ether	ND		1.00	1	07/16/2016 02:53	WG889144
(S) a,a,a-Trifluorotoluene(PID)	*100*		*55.0-122*		*07/16/2016 02:53*	WG889144

Volatile Organic Compounds (GC) by Method 8021

Analyte	Result ug/l	Qualifier	RDL ug/l	Dilution	Analysis date / time	Batch
Benzene	ND		0.500	1	07/16/2016 03:15	WG889144
Toluene	ND		5.00	1	07/16/2016 03:15	WG889144
Ethylbenzene	ND		0.500	1	07/16/2016 03:15	WG889144
Total Xylene	ND		1.50	1	07/16/2016 03:15	WG889144
Methyl tert-butyl ether	ND		1.00	1	07/16/2016 03:15	WG889144
(S) a,a,a-Trifluorotoluene(PID)	*101*		*55.0-122*		*07/16/2016 03:15*	WG889144

Additional Information

Analyte	Result	Units
pH (On Site)	7.09	su

Volatile Organic Compounds (GC) by Method 8021

Analyte	Result ug/l	Qualifier	RDL ug/l	Dilution	Analysis date / time	Batch
Benzene	ND		0.500	1	07/16/2016 03:37	WG889144
Toluene	ND		5.00	1	07/16/2016 03:37	WG889144
Ethylbenzene	ND		0.500	1	07/16/2016 03:37	WG889144
Total Xylene	ND		1.50	1	07/16/2016 03:37	WG889144
Methyl tert-butyl ether	ND		1.00	1	07/16/2016 03:37	WG889144
(S) a,a,a-Trifluorotoluene(PID)	*101*		*55.0-122*		*07/16/2016 03:37*	WG889144

Method Blank (MB)

(MB) R3150592-3 07/15/16 12:22

Analyte	MB Result ug/l	MB Qualifier	MB MDL ug/l	MB RDL ug/l
Benzene	U		0.190	0.500
Toluene	0.227	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)	*102*			*55.0-122*

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

(LCS) R3150592-1 07/15/16 11:16 • (LCSD) R3150592-2 07/15/16 11:38

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 %
Benzene	50.0	44.0	44.6	88.0	89.2	70.0-130			1.30	20
Toluene	50.0	44.8	44.0	89.7	88.0	70.0-130			1.89	20
Ethylbenzene	50.0	45.5	44.9	90.9	89.9	70.0-130			1.13	20
Total Xylene	150	140	137	93.0	91.2	70.0-130			1.94	20
Methyl tert-butyl ether	50.0	48.2	49.8	96.4	99.7	70.0-130			3.36	20
(S) a,a,a-Trifluorotoluene(PID)				*101*	*100*	*55.0-122*				

L846517-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L846517-01 07/15/16 18:44 • (MS) R3150592-4 07/15/16 17:37 • (MSD) R3150592-5 07/15/16 18:00

Analyte	Spike Amount ug/l	Original Result ug/l	MS Result ug/l	MSD Result ug/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Benzene	50.0	30.8	61.8	62.0	62.0	62.5	1	57.2-131			0.330	20
Toluene	50.0	5.51	38.4	38.9	65.8	66.8	1	63.7-134			1.27	20
Ethylbenzene	50.0	88.4	116	118	54.3	59.7	1	67.5-135	J6	J6	2.33	20
Total Xylene	150	178	267	273	59.4	63.4	1	65.9-138	J6	J6	2.21	20
Methyl tert-butyl ether	50.0	9.62	52.0	51.4	84.7	83.6	1	52.4-137			1.05	20
(S) a,a,a-Trifluorotoluene(PID)					*108*	*105*		*55.0-122*				

Method Blank (MB)

(MB) R3150828-3 07/19/16 12:08

Analyte	MB Result ug/l	MB Qualifier	MB MDL ug/l	MB RDL ug/l
Methyl tert-butyl ether	U		0.340	1.00
(S) a,a,a-Trifluorotoluene(PID)	*102*			*55.0-122*

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

(LCS) R3150828-1 07/19/16 10:58 • (LCSD) R3150828-2 07/19/16 11:21

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 %
Methyl tert-butyl ether	50.0	42.3	48.5	84.6	96.9	70.0-130			13.6	20
(S) a,a,a-Trifluorotoluene(PID)				*101*	*101*	*55.0-122*				

L846517-07 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L846517-07 07/19/16 20:45 • (MS) R3150828-4 07/19/16 19:01 • (MSD) R3150828-5 07/19/16 19:36

Analyte	Spike Amount ug/l	Original Result ug/l	MS Result ug/l	MSD Result ug/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Methyl tert-butyl ether	50.0	U	36.8	36.2	73.5	72.3	1	52.4-137			1.66	20
(S) a,a,a-Trifluorotoluene(PID)					*101*	*101*		*55.0-122*				

1 Cp
2 Tc
3 Ss
4 Cn
5 Sr
6 Qc
7 Gl
8 Al
9 Sc

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
J	The identification of the analyte is acceptable; the reported value is an estimate.
J6	The sample matrix interfered with the ability to make any accurate determination; spike value is low.

ACCREDITATIONS & LOCATIONS

ONE LAB. NATIONWIDE.

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		

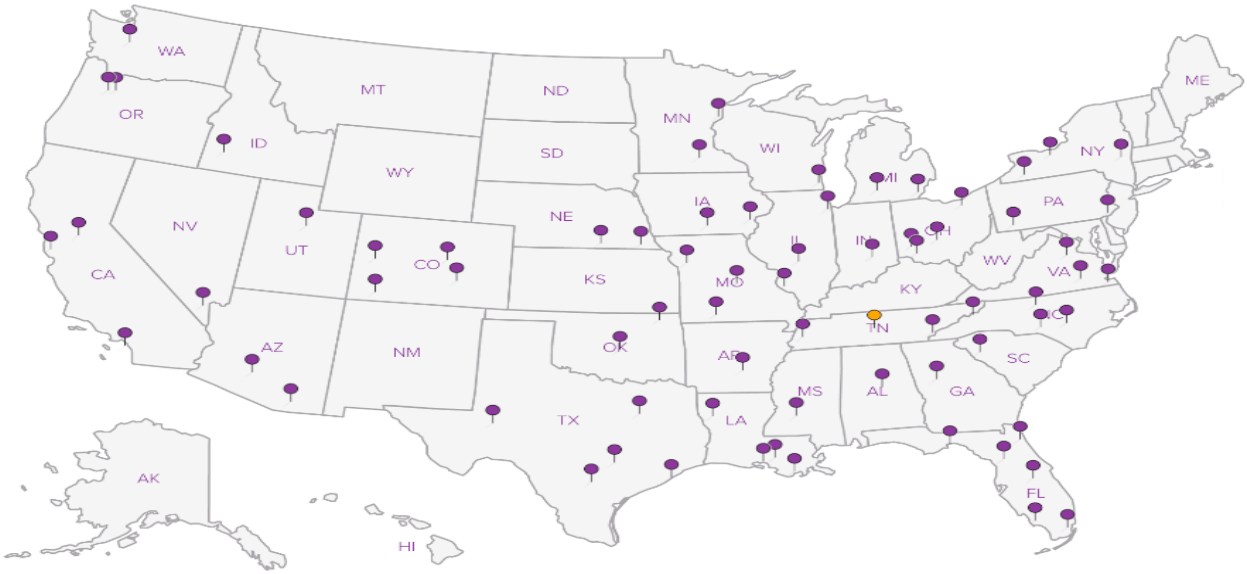
Third Party & Federal Accreditations

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 Corporation
8500 Georgetown Road
Indianapolis, IN 46268

Alternate billing information:

Report to: Mike Highchew

Email to: mhightchew@aeckentucky.com

Chain of Custody
Page 1 of 1

Prepared by:

ENVIRONMENTAL SCIENCE CORP.
12065 Lebanon Road
Mt. Juliet, TN 37122
Phone (615) 758-5858
Phone (800) 767-5859
FAX (615) 758-5859

B169

Project Description: System Effluent Sampling

City/Sate Collected: Evansville, IN

Phone: 502-491-0144
FAX: 502-491-9271

Client Project #: Mac's#2392

ESC Key: AMEIINCKR

Collected by: Barry Luppert

Site/Facility ID#: Mac's#2392

P.O.#: 311040

CoCode (lab use only)

Template/Prelogin

Shipped Via:

Collected by (signature):

Packed on Ice N (Y)

Rush? (Lab MUST Be Notified)
____ Same Day.....200%
____ Next Day.....100%
____ Two Day.....50%

Date Results Needed:
Email? __No ✓Yes
FAX? ✓No __Yes

Sample ID	Comp/Grab	Matrix*	Depth	Date	Time	No. of Cntrs	BTEX/MBTE (8021 B) / 40 mL / HCl	Remarks/Contaminant	Sample # (lab only)
Influent	Grab	WW		7.12.16	1015	2	X		047023-01
midpoint #1	Grab	WW			1020	2	X		02
midpoint #2	Grab	WW			1022	2	X		03
effluent	Grab	WW			1025	2	X		04

pH 7.09 Temp

*Matrix: SS - Soil/Solid GW - Groundwater WW - WasteWater DW - Drinking Water OT - Other

Flow Other

Remarks:

Relinquished by: (Signature)	Date: 7.13.16	Time: 1200	Received by: (Signature)
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: 1.4 Bottles Received: 8vp

Date: 7/14/16 Time: 0970

Condition: 0139 (lab use only)

pH Checked: NCF:

ANALYTICAL REPORT

August 19, 2016

American Environmental - IN CKR

Sample Delivery Group:	L853732
Samples Received:	08/16/2016
Project Number:	MACS #2392
Description:	System Effluent Sampling
Site:	MACS #2392
Report To:	Mike Hightchew 8500 Georgetown Rd Indianapolis, IN 46268

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.

TABLE OF CONTENTS

[1]Cp: Cover Page	1
[2]Tc: Table of Contents	2
[3]Ss: Sample Summary	3
[4]Cn: Case Narrative	4
[5]Sr: Sample Results	5
INFLUENT L853732-01	5
MIDPIONT #1 L853732-02	6
MIDPIONT #2 L853732-03	7
EFFLUENT L853732-04	8
[6]Qc: Quality Control Summary	9
Volatile Organic Compounds (GC) by Method 8021	9
[7]Gl: Glossary of Terms	10
[8]Al: Accreditations & Locations	11
[9]Sc: Chain of Custody	12

INFLUENT L853732-01 GW

Collected by: Barry Luppert
Collected date/time: 08/12/16 09:40
Received date/time: 08/16/16 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Volatile Organic Compounds (GC) by Method 8021	WG899909	1	08/18/16 07:48	08/18/16 07:48	BMB

MIDPIONT #1 L853732-02 GW

Collected by: Barry Luppert
Collected date/time: 08/12/16 09:50
Received date/time: 08/16/16 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Volatile Organic Compounds (GC) by Method 8021	WG899909	1	08/18/16 08:11	08/18/16 08:11	BMB

MIDPIONT #2 L853732-03 GW

Collected by: Barry Luppert
Collected date/time: 08/12/16 09:55
Received date/time: 08/16/16 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Volatile Organic Compounds (GC) by Method 8021	WG899909	1	08/18/16 08:33	08/18/16 08:33	BMB

EFFLUENT L853732-04 GW

Collected by: Barry Luppert
Collected date/time: 08/12/16 09:57
Received date/time: 08/16/16 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Volatile Organic Compounds (GC) by Method 8021	WG899909	1	08/18/16 00:43	08/18/16 00:43	BMB

1 Cp
2 Tc
3 Ss
4 Cn
5 Sr
6 Qc
7 Gl
8 Al
9 Sc

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

Volatile Organic Compounds (GC) by Method 8021

Analyte	Result ug/l	Qualifier	RDL ug/l	Dilution	Analysis date / time	Batch
Benzene	3.20		0.500	1	08/18/2016 07:48	WG899909
Toluene	8.45		5.00	1	08/18/2016 07:48	WG899909
Ethylbenzene	2.61		0.500	1	08/18/2016 07:48	WG899909
Total Xylene	5.91		1.50	1	08/18/2016 07:48	WG899909
Methyl tert-butyl ether	ND		1.00	1	08/18/2016 07:48	WG899909
(S) a,a,a-Trifluorotoluene(PID)	*98.5*		*55.0-122*		*08/18/2016 07:48*	WG899909

Volatile Organic Compounds (GC) by Method 8021

Analyte	Result ug/l	Qualifier	RDL ug/l	Dilution	Analysis date / time	Batch
Benzene	ND		0.500	1	08/18/2016 08:11	WG899909
Toluene	ND		5.00	1	08/18/2016 08:11	WG899909
Ethylbenzene	ND		0.500	1	08/18/2016 08:11	WG899909
Total Xylene	ND		1.50	1	08/18/2016 08:11	WG899909
Methyl tert-butyl ether	ND		1.00	1	08/18/2016 08:11	WG899909
(S) a,a,a-Trifluorotoluene(PID)	*98.3*		*55.0-122*		*08/18/2016 08:11*	WG899909

Volatile Organic Compounds (GC) by Method 8021

Analyte	Result ug/l	Qualifier	RDL ug/l	Dilution	Analysis date / time	Batch
Benzene	ND		0.500	1	08/18/2016 08:33	WG899909
Toluene	ND		5.00	1	08/18/2016 08:33	WG899909
Ethylbenzene	ND		0.500	1	08/18/2016 08:33	WG899909
Total Xylene	ND		1.50	1	08/18/2016 08:33	WG899909
Methyl tert-butyl ether	ND		1.00	1	08/18/2016 08:33	WG899909
(S) a,a,a-Trifluorotoluene(PID)	*98.6*		*55.0-122*		*08/18/2016 08:33*	WG899909

Additional Information

Analyte	Result	Units
pH (On Site)	7.14	su

Volatile Organic Compounds (GC) by Method 8021

Analyte	Result ug/l	Qualifier	RDL ug/l	Dilution	Analysis date / time	Batch
Benzene	ND		0.500	1	08/18/2016 00:43	WG899909
Toluene	ND		5.00	1	08/18/2016 00:43	WG899909
Ethylbenzene	ND		0.500	1	08/18/2016 00:43	WG899909
Total Xylene	ND		1.50	1	08/18/2016 00:43	WG899909
Methyl tert-butyl ether	ND		1.00	1	08/18/2016 00:43	WG899909
(S) a,a,a-Trifluorotoluene(PID)	*99.0*		*55.0-122*		*08/18/2016 00:43*	WG899909

Method Blank (MB)

(MB) R3157773-2 08/17/16 11:44

Analyte	MB Result ug/l	MB Qualifier	MB MDL ug/l	MB RDL ug/l
Benzene	U		0.190	0.500
Toluene	U		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)	*99.2*			*55.0-122*

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

(LCS) R3157773-1 08/17/16 10:36 • (LCSD) R3157773-3 08/17/16 22:48

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 %
Benzene	50.0	39.4	43.8	78.9	87.6	70.0-130			10.5	20
Toluene	50.0	40.8	43.9	81.6	87.8	70.0-130			7.31	20
Ethylbenzene	50.0	43.4	47.0	86.8	94.1	70.0-130			8.04	20
Total Xylene	150	131	139	87.1	92.8	70.0-130			6.36	20
Methyl tert-butyl ether	50.0	42.3	48.8	84.6	97.6	70.0-130			14.3	20
(S) a,a,a-Trifluorotoluene(PID)				*98.2*	*98.9*	*55.0-122*				

L853732-04 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L853732-04 08/18/16 00:43 • (MS) R3157773-4 08/17/16 23:36 • (MSD) R3157773-5 08/17/16 23:58

Analyte	Spike Amount ug/l	Original Result ug/l	MS Result ug/l	MSD Result ug/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Benzene	50.0	ND	39.0	41.9	77.9	83.9	1	57.2-131			7.39	20
Toluene	50.0	ND	39.2	41.9	78.3	83.7	1	63.7-134			6.70	20
Ethylbenzene	50.0	ND	41.9	44.8	83.8	89.5	1	67.5-135			6.57	20
Total Xylene	150	ND	124	132	82.4	87.8	1	65.9-138			6.39	20
Methyl tert-butyl ether	50.0	ND	43.7	46.9	87.3	93.8	1	52.4-137			7.18	20
(S) a,a,a-Trifluorotoluene(PID)					*98.1*	*98.8*		*55.0-122*				

1 Cp
2 Tc
3 Ss
4 Cn
5 Sr
6 Qc
7 Gl
8 Al
9 Sc

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
	The remainder of this page intentionally left blank, there are no qualifiers applied to this SDG.

ACCREDITATIONS & LOCATIONS

ONE LAB. NATIONWIDE.

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

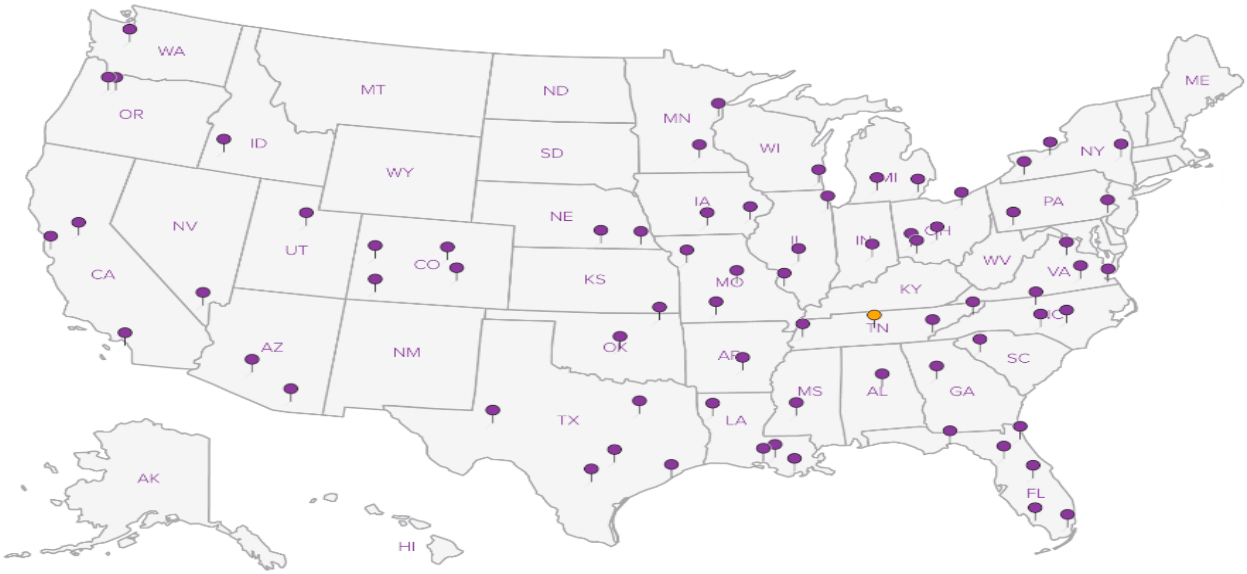
Third Party & Federal Accreditations

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

[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.**



B071

Chain of Custody
Page 1 of 1

American Environmental Corporation
8500 Georgetown Road
Indianapolis, IN 46268

Alternate billing information:

Report to: Mike Highchew

Email to: mhightchew@aeckentucky.com

Project Description: System Effluent Sampling

City/Sate Collected: Evansville, IN

Phone: 502-491-0144
FAX: 502-491-9271

Client Project #: Mac's#2392

ESC Key: AMEIINCKR

Collected by: Barry Luppert

Site/Facility ID#: Mac's#2392

P.O.#: 311040

Collected by (signature): B L

Packed on Ice N

Rush? (Lab MUST Be Notified)
_____ Same Day.....200%
_____ Next Day.....100%
_____ Two Day.....50%

Date Results Needed:
Email? __No ✓Yes
FAX? ✓No __Yes

Analysis/Container/Preservative

Prepared by:

ENVIRONMENTAL SCIENCE CORP.
12065 Lebanon Road
Mt. Juliet, TN 37122
Phone (615) 758-5858
Phone (800) 767-5859
FAX (615) 758-5859

CoCode (lab use only)
Template/Prelogin
Shipped Via: L853732

Sample ID	Comp/Grab	Matrix*	Depth	Date	Time	No. of Cntrs	BTEX/MBTE (8021 B) / 40 mL / HCl								Remarks/Contaminant	Sample # (lab only)
Influent	Grab	WW		8.12.16	0940	2	x									-01
midpoint #1	Grab	WW		↓	0950	2	x									-02
midpoint #2	Grab	WW			0955	2	x									-03
effluent	Grab	WW			0957	2	x									-04

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

pH 7.14 Temp _____

Remarks: 671103323152

Flow _____ Other _____

Relinquished by: (Signature)	Date:	Time:	Received by: (Signature)	Samples returned via: ☐ UPS ☐ FedEx ☐ Courier ☐	Condition: (lab use only)
B L	8.15.16	1200			JW7 ok
Relinquished by: (Signature)	Date:	Time:	Received by: (Signature)	Temp: 2.9 / Bottles Received: 8 vg	
Relinquished by: (Signature)	Date:	Time:	Received for lab by: (Signature)	Date: 8-16-16 / Time: 0900	pH Checked: / NCF:

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

Cooler Receipt Checklist

Client: AMEJINCKR SDG# L853732

Cooler Received/Opened On: 8/16/16 By Dakota Busby

Temperature Upon Receipt: 2.9 °c

(Signature)

Cooler Receipt Check List	Yes	No	N/A
Were custody seals on outside of cooler and intact?			✓
Were custody papers properly filled out (ink, signed, etc.)?	✓		
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 correct preservatives used?			✓
Were all applicable sample containers checked for preservation? (Any samples not in accepted pH range noted on COC .)			✓
If applicable, was an observable VOA headspace present?		✓	
Non Conformance Generated? (If yes see attached NCF)		✓	

ANALYTICAL REPORT

September 12, 2016

American Environmental - IN CKR

Sample Delivery Group:	L858049
Samples Received:	09/07/2016
Project Number:	MAC'S #2392
Description:	Circle K 2392 - Evansville, IN
Site:	MAC'S #2392
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.

TABLE OF CONTENTS

[1]Cp: Cover Page 1

[2]Tc: Table of Contents 2

[3]Ss: Sample Summary 3

[4]Cn: Case Narrative 4

[5]Sr: Sample Results 5

INFLUENT L858049-01 5

MIDPOINT #1 L858049-02 6

MIDPOINT #2 L858049-03 7

EFFLUENT L858049-04 8

[6]Qc: Quality Control Summary 9

Volatile Organic Compounds (GC) by Method 602 9

[7]Gl: Glossary of Terms 10

[8]Al: Accreditations & Locations 11

[9]Sc: Chain of Custody 12

INFLUENT L858049-01 WW

Collected by: Barry Luppert
Collected date/time: 09/01/16 09:10
Received date/time: 09/07/16 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Volatile Organic Compounds (GC) by Method 602	WG906036	1	09/09/16 23:08	09/09/16 23:08	LRL

MIDPOINT #1 L858049-02 WW

Collected by: Barry Luppert
Collected date/time: 09/01/16 09:15
Received date/time: 09/07/16 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Volatile Organic Compounds (GC) by Method 602	WG906036	1	09/09/16 23:30	09/09/16 23:30	LRL

MIDPOINT #2 L858049-03 WW

Collected by: Barry Luppert
Collected date/time: 09/01/16 09:18
Received date/time: 09/07/16 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Volatile Organic Compounds (GC) by Method 602	WG906036	1	09/09/16 23:53	09/09/16 23:53	LRL

EFFLUENT L858049-04 WW

Collected by: Barry Luppert
Collected date/time: 09/01/16 09:20
Received date/time: 09/07/16 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Volatile Organic Compounds (GC) by Method 602	WG906036	1	09/10/16 00:15	09/10/16 00:15	LRL

1 Cp
2 Tc
3 Ss
4 Cn
5 Sr
6 Qc
7 Gl
8 Al
9 Sc

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

Volatile Organic Compounds (GC) by Method 602

Analyte	Result ug/l	Qualifier	RDL ug/l	Dilution	Analysis date / time	Batch
Benzene	ND		0.500	1	09/09/2016 23:08	WG906036
Toluene	ND		5.00	1	09/09/2016 23:08	WG906036
Ethylbenzene	ND		0.500	1	09/09/2016 23:08	WG906036
Total Xylene	ND		1.50	1	09/09/2016 23:08	WG906036
Methyl tert-butyl ether	ND		1.00	1	09/09/2016 23:08	WG906036
(S) a,a,a-Trifluorotoluene(PID)	*100*		*55.0-122*		*09/09/2016 23:08*	WG906036

Volatile Organic Compounds (GC) by Method 602

Analyte	Result ug/l	Qualifier	RDL ug/l	Dilution	Analysis date / time	Batch
Benzene	ND		0.500	1	09/09/2016 23:30	WG906036
Toluene	ND		5.00	1	09/09/2016 23:30	WG906036
Ethylbenzene	ND		0.500	1	09/09/2016 23:30	WG906036
Total Xylene	ND		1.50	1	09/09/2016 23:30	WG906036
Methyl tert-butyl ether	ND		1.00	1	09/09/2016 23:30	WG906036
(S) a,a,a-Trifluorotoluene(PID)	*100*		*55.0-122*		*09/09/2016 23:30*	WG906036

Volatile Organic Compounds (GC) by Method 602

Analyte	Result ug/l	Qualifier	RDL ug/l	Dilution	Analysis date / time	Batch
Benzene	ND		0.500	1	09/09/2016 23:53	WG906036
Toluene	ND		5.00	1	09/09/2016 23:53	WG906036
Ethylbenzene	ND		0.500	1	09/09/2016 23:53	WG906036
Total Xylene	ND		1.50	1	09/09/2016 23:53	WG906036
Methyl tert-butyl ether	ND		1.00	1	09/09/2016 23:53	WG906036
(S) a,a,a-Trifluorotoluene(PID)	*100*		*55.0-122*		*09/09/2016 23:53*	WG906036

Volatile Organic Compounds (GC) by Method 602

Analyte	Result ug/l	Qualifier	RDL ug/l	Dilution	Analysis date / time	Batch
Benzene	ND		0.500	1	09/10/2016 00:15	WG906036
Toluene	ND		5.00	1	09/10/2016 00:15	WG906036
Ethylbenzene	ND		0.500	1	09/10/2016 00:15	WG906036
Total Xylene	ND		1.50	1	09/10/2016 00:15	WG906036
Methyl tert-butyl ether	ND		1.00	1	09/10/2016 00:15	WG906036
(S) a,a,a-Trifluorotoluene(PID)	*100*		*55.0-122*		*09/10/2016 00:15*	WG906036

Method Blank (MB)

(MB) R3162557-3 09/09/16 14:40

Analyte	MB Result ug/l	MB Qualifier	MB MDL ug/l	MB RDL ug/l
Benzene	U		0.190	0.500
Toluene	U		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)	*102*			*55.0-122*

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

(LCS) R3162557-1 09/09/16 12:06 • (LCSD) R3162557-2 09/09/16 12:29

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 %
Benzene	50.0	51.5	48.7	103	97.4	70.0-130			5.65	20
Toluene	50.0	50.8	47.6	102	95.1	70.0-130			6.54	20
Ethylbenzene	50.0	52.2	48.8	104	97.7	70.0-130			6.58	20
Total Xylene	150	154	145	103	96.3	70.0-130			6.63	20
Methyl tert-butyl ether	50.0	49.5	48.0	98.9	95.9	70.0-130			3.11	20
(S) a,a,a-Trifluorotoluene(PID)				*99.9*	*98.4*	*55.0-122*				

L857868-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L857868-01 09/09/16 21:15 • (MS) R3162557-4 09/09/16 20:07 • (MSD) R3162557-5 09/09/16 20:29

Analyte	Spike Amount ug/l	Original Result ug/l	MS Result ug/l	MSD Result ug/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Benzene	50.0	ND	51.6	51.0	103	101	1	57.2-131			1.30	20
Toluene	50.0	ND	51.4	50.5	99.3	97.5	1	63.7-134			1.69	20
Ethylbenzene	50.0	ND	51.0	50.3	102	101	1	67.5-135			1.52	20
Total Xylene	150	11.8	162	158	99.9	97.6	1	65.9-138			2.14	20
Methyl tert-butyl ether	50.0	ND	51.5	51.6	103	103	1	52.4-137			0.270	20
(S) a,a,a-Trifluorotoluene(PID)					*99.3*	*99.3*		*55.0-122*				

1 Cp
2 Tc
3 Ss
4 Cn
5 Sr
6 Qc
7 Gl
8 Al
9 Sc

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
	The remainder of this page intentionally left blank, there are no qualifiers applied to this SDG.

ACCREDITATIONS & LOCATIONS

ONE LAB. NATIONWIDE.

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

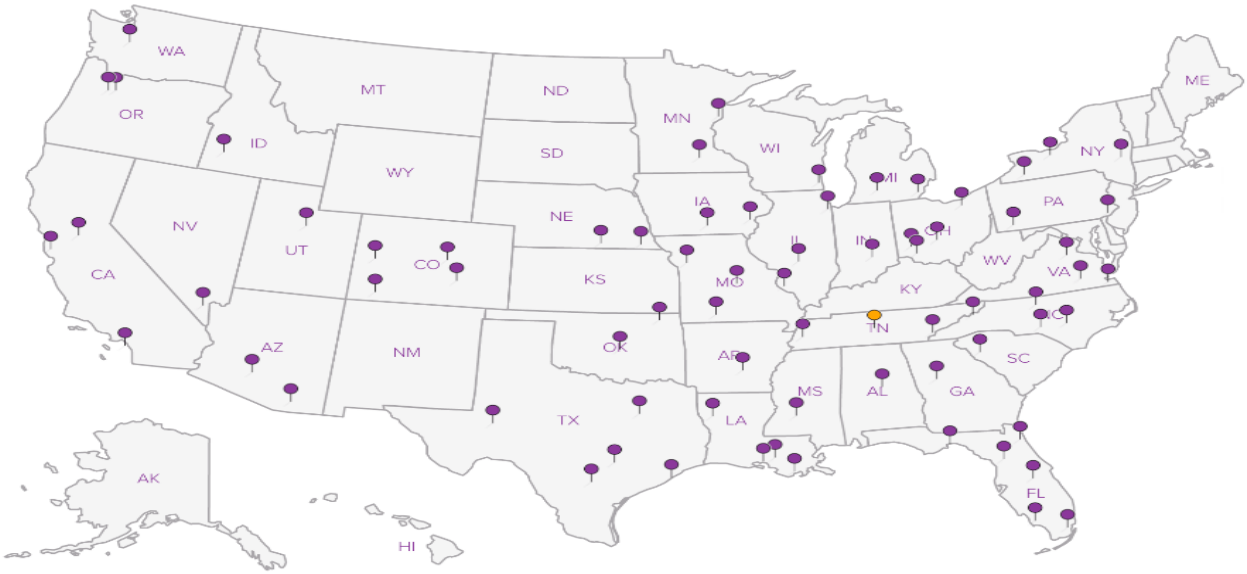
Third Party & Federal Accreditations

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

[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.**



J226

Chain of Custody
Page 1 of 1

American Environmental Corporation
8500 Georgetown Road
Indianapolis, IN 46268

Alternate billing information:

Report to: Mike Highchew

Email to: mhightchew@aeckentucky.com

Project Description: System Effluent Sampling

City/State Collected: Evansville, IN

Phone: 502-491-0144
FAX: 502-491-9271

Client Project #: Mac's#2392

ESC Key: AMEIINCKR

Collected by: Barry Luppert

Site/Facility ID#: Mac's#2392

P.O.#: 311040

Collected by (signature): B

Packed on Ice N (Y)

Rush? (Lab MUST Be Notified)
____ Same Day.....200%
____ Next Day.....100%
____ Two Day.....50%

Date Results Needed:
Email? __No ✓Yes
FAX? ✓No __Yes

Analysis/Container/Preservative: BTEX/MBTE (8021 B) / 40 mL / HCl

Prepared by:

ENVIRONMENTAL SCIENCE CORP.
12065 Lebanon Road
Mt. Juliet, TN 37122
Phone (615) 758-5858
Phone (800) 767-5859
FAX (615) 758-5859

CoCode (lab use only)
Template/Prelogin
Shipped Via:

Sample ID	Comp/Grab	Matrix*	Depth	Date	Time	No. of Cntrs	BTEX/MBTE (8021 B) / 40 mL / HCl	Remarks/Contaminant	Sample # (lab only)
Influent	Grab	WW		9-1-16	0910	2	x		L858049-01
midpoint #1	Grab	WW		↓	0915	2	x		-02
midpoint #2	Grab	WW			0918	2	x		-03
effluent	Grab	WW			0920	2	x		-04

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

pH 7.21 Temp _____

Remarks:

Flow _____ Other _____

Relinquished by: (Signature)	Date:	Time:	Received by: (Signature)
B	9/6/16	1200	FedEx
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: 2.6 Bottles Received: 8-VP

Date: 9-7-16 Time: 0900

Condition: NB9 (lab use only)

pH Checked: NCF:

6711 0337 3174

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

Cooler Receipt Form

Client: AMEILNCKR		SDG#	L858049
Cooler Received/Opened On: 9-7-16 Receipt:		Temperature Upon	2.6 °c
Received By: Richard Hughes			
Signature:			

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)			

Pace Analytical Energy Services LLC
220 William Pitt Way
Pittsburgh, PA 15238
Phone: (412) 826-5245
Fax: (412) 826-3433

July 25, 2016

Mike Alexander
American Environmental Corporation
4305 Muhlhauser Road
Suite 3
Fairfield, OH 45014

RE: **MACS 2392 / 311040**

Pace Workorder: 19638

Dear Mike Alexander:

Enclosed are the analytical results for sample(s) received by the laboratory on Friday, July 15, 2016. Results reported herein conform to the most current NELAC standards, where applicable, unless otherwise narrated in the body of the report.

If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Ruth Welsh 07/25/2016
Ruth.Welsh@pacelabs.com

Customer Service Representative

Enclosures

As a valued client we would appreciate your comments on our service.
Please email info@microseeps.com.

Total Number of Pages ____

CERTIFICATE OF ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Energy Services LLC.

Pace Analytical Energy Services LLC
220 William Pitt Way
Pittsburgh, PA 15238
Phone: (412) 826-5245
Fax: (412) 826-3433

LABORATORY ACCREDITATIONS & CERTIFICATIONS

Accreditor:	Pennsylvania Department of Environmental Protection, Bureau of Laboratories
Accreditation ID:	02-00538
Scope:	NELAP Non-Potable Water and Solid & Hazardous Waste
Accreditor:	South Carolina Department of Health and Environmental Control, Office of Environmental Laboratory Certification
Accreditation ID:	89009003
Scope:	Clean Water Act (CWA); Resource Conservation and Recovery Act (RCRA)
Accreditor:	NELAP: New Jersey, Department of Environmental Protection
Accreditation ID:	PA026
Scope:	Non-Potable Water; Solid and Chemical Materials
Accreditor:	NELAP: New York, Department of Health Wadsworth Center
Accreditation ID:	11815
Scope:	Non-Potable Water; Solid and Hazardous Waste
Accreditor:	State of Connecticut, Department of Public Health, Division of Environmental Health
Accreditation ID:	PH-0263
Scope:	Clean Water Act (CWA) Resource Conservation and Recovery Act (RCRA)
Accreditor:	NELAP: Texas, Commission on Environmental Quality
Accreditation ID:	T104704453-09-TX
Scope:	Non-Potable Water
Accreditor:	State of New Hampshire
Accreditation ID:	299409
Scope:	Non-potable water
Accreditor:	State of Georgia
Accreditation ID:	Chapter 391-3-26
Scope:	As per the Georgia EPD Rules and Regulations for Commercial Laboratories, PAES is accredited by the Pennsylvania Department of Environmental Protection Bureau of Laboratories under the National Environmental Laboratory Approval Program (NELAC).

CERTIFICATE OF ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Energy Services LLC.

Pace Analytical Energy Services LLC
220 William Pitt Way
Pittsburgh, PA 15238
Phone: (412) 826-5245
Fax: (412) 826-3433

SAMPLE SUMMARY

Workorder: 19638 MACS 2392 / 311040

Lab ID	Sample ID	Matrix	Date Collected	Date Received
196380001	MPE	Vapor	7/12/2016 09:50	7/15/2016 16:00
196380002	AIR STRIPPER	Vapor	7/12/2016 10:00	7/15/2016 16:00

CERTIFICATE OF ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Energy Services LLC.

Pace Analytical Energy Services LLC
220 William Pitt Way
Pittsburgh, PA 15238
Phone: (412) 826-5245
Fax: (412) 826-3433

ANALYTICAL RESULTS

Workorder: 19638 MACS 2392 / 311040

Lab ID: **196380001** Date Received: 7/15/2016 16:00 Matrix: Vapor
Sample ID: **MPE** Date Collected: 7/12/2016 09:50

Parameters	Results	Units	PQL	MDL	DF	Analyzed	By	Qualifiers
RISK - PAES								
Analysis Desc: AM4.02 Vapors			Analytical Method: AM4.02 Vapors					
n-Butane	**<0.20**	ppmv	0.20	0.041	1	7/21/2016 09:00	BW	n
Pentane	**0.30**	ppmv	0.10	0.034	1	7/21/2016 09:00	BW	n
Hexane	**0.14**	ppmv	0.10	0.042	1	7/21/2016 09:00	BW	n
Heptane	**<0.10**	ppmv	0.10	0.0090	1	7/21/2016 09:00	BW	n
Benzene	**<0.10**	ppmv	0.10	0.014	1	7/21/2016 09:00	BW	n
Octane	**<0.10**	ppmv	0.10	0.016	1	7/21/2016 09:00	BW	n
Toluene	**<0.10**	ppmv	0.10	0.019	1	7/21/2016 09:00	BW	n
Nonane	**<0.10**	ppmv	0.10	0.019	1	7/21/2016 09:00	BW	n
Ethylbenzene	**<0.10**	ppmv	0.10	0.018	1	7/21/2016 09:00	BW	n
m,p-Xylene	**<0.20**	ppmv	0.20	0.033	1	7/21/2016 09:00	BW	n
o-Xylene	**<0.10**	ppmv	0.10	0.027	1	7/21/2016 09:00	BW	n
n-Decane	**<0.10**	ppmv	0.10	0.012	1	7/21/2016 09:00	BW	n
Undecane	**<0.20**	ppmv	0.20	0.028	1	7/21/2016 09:00	BW	n
Dodecane	**<0.20**	ppmv	0.20	0.014	1	7/21/2016 09:00	BW	n
Total TPH C4-C12	**0.98**	ppmv	0.70	0.10	1	7/21/2016 09:00	BW	n

CERTIFICATE OF ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Energy Services LLC.

Pace Analytical Energy Services LLC
220 William Pitt Way
Pittsburgh, PA 15238
Phone: (412) 826-5245
Fax: (412) 826-3433

ANALYTICAL RESULTS

Workorder: 19638 MACS 2392 / 311040

Lab ID: **196380002** Date Received: 7/15/2016 16:00 Matrix: Vapor

Sample ID: **AIR STRIPPER** Date Collected: 7/12/2016 10:00

Parameters	Results	Units	PQL	MDL	DF	Analyzed	By	Qualifiers
RISK - PAES								
Analysis Desc: AM4.02 Vapors			Analytical Method: AM4.02 Vapors					
n-Butane	**<0.20**	ppmv	0.20	0.041	1	7/21/2016 10:06	BW	n
Pentane	**<0.10**	ppmv	0.10	0.034	1	7/21/2016 10:06	BW	n
Hexane	**<0.10**	ppmv	0.10	0.042	1	7/21/2016 10:06	BW	n
Heptane	**<0.10**	ppmv	0.10	0.0090	1	7/21/2016 10:06	BW	n
Benzene	**<0.10**	ppmv	0.10	0.014	1	7/21/2016 10:06	BW	n
Octane	**<0.10**	ppmv	0.10	0.016	1	7/21/2016 10:06	BW	n
Toluene	**<0.10**	ppmv	0.10	0.019	1	7/21/2016 10:06	BW	n
Nonane	**<0.10**	ppmv	0.10	0.019	1	7/21/2016 10:06	BW	n
Ethylbenzene	**<0.10**	ppmv	0.10	0.018	1	7/21/2016 10:06	BW	n
m,p-Xylene	**<0.20**	ppmv	0.20	0.033	1	7/21/2016 10:06	BW	n
o-Xylene	**<0.10**	ppmv	0.10	0.027	1	7/21/2016 10:06	BW	n
n-Decane	**<0.10**	ppmv	0.10	0.012	1	7/21/2016 10:06	BW	n
Undecane	**<0.20**	ppmv	0.20	0.028	1	7/21/2016 10:06	BW	n
Dodecane	**<0.20**	ppmv	0.20	0.014	1	7/21/2016 10:06	BW	n
Total TPH C4-C12	**<0.70**	ppmv	0.70	0.10	1	7/21/2016 10:06	BW	n

CERTIFICATE OF ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Energy Services LLC.

Pace Analytical Energy Services LLC
220 William Pitt Way
Pittsburgh, PA 15238
Phone: (412) 826-5245
Fax: (412) 826-3433

ANALYTICAL RESULTS QUALIFIERS

Workorder: 19638 MACS 2392 / 311040

DEFINITIONS/QUALIFIERS

MDL	Method Detection Limit. Can be used synonymously with LOD; Limit Of Detection.
PQL	Practical Quanitation Limit. Can be used synonymously with LOQ; Limit Of Quantitation.
ND	Not detected at or above reporting limit.
DF	Dilution Factor.
S	Surrogate.
RPD	Relative Percent Difference.
% Rec	Percent Recovery.
U	Indicates the compound was analyzed for, but not detected at or above the noted concentration.
J	Estimated concentration greater than the set method detection limit (MDL) and less than the set reporting limit (PQL).
n	The laboratory does not hold NELAP/TNI accreditation for this method or analyte.

CERTIFICATE OF ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Energy Services LLC.

Pace Analytical Energy Services LLC
220 William Pitt Way
Pittsburgh, PA 15238
Phone: (412) 826-5245
Fax: (412) 826-3433

QUALITY CONTROL DATA QUALIFIERS

Workorder: 19638 MACS 2392 / 311040

QUALITY CONTROL PARAMETER QUALIFIERS

n The laboratory does not hold NELAP/TNI accreditation for this method or analyte.

CERTIFICATE OF ANALYSIS
This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Energy Services LLC.

Pace Analytical®
www.pacelabs.com
Microseeps

220 William Pitt Way
Pittsburgh, PA 15238
412-826-5245

19638

CHAIN-OF-CUSTODY / Analytical Request Document

The Chain-of-Custody is a LEGAL DOCUMENT. All relevant fields must be completed accurately.

Page: 1 of 1

006508

Section A Required Client Information:

Company: Am. Env. Corp.
Address: 8500 Georgetown Rd
Indianapolis, In. 46268
Email To: mhightchew@aec kentucky.com
Phone: 502-491-0144 Fax: 502-491-9271
Requested Due Date/TAT: std

Section B Required Project Information:

Report To: Mike Hightchew
Copy To: @aec kentucky.com
Purchase Order No.:
Project Name: macs 2392
Project Number: 311040

Section C Invoice Information:

Attention: Mike Hightchew
Company Name: AEC
Address: 9127 Cedarne Dr. Louisville Ky 40299
Pace Quote Reference:
Pace Project Manager:
Pace Profile #:

REGULATORY AGENCY: ☐ NPDES ☐ GROUND WATER ☐ DRINKING WATER ☐ UST ☐ RCRA ☐ OTHER

Site Location STATE:

Section D Required Client Information

SAMPLE ID (A-Z, 0-9 / ,-) Sample IDs MUST BE UNIQUE

Matrix Codes (MATRIX / CODE): Drinking Water DW; Water WT; Waste Water WW; Product P; Soil/Solid SL; Oil OL; Wipe WP; Air AR; Tissue TS; Other OT

Requested Analysis Filtered (Y/N)

ITEM #	SAMPLE ID	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED: COMPOSITE START DATE	COMPOSITE START TIME	COMPOSITE END/GRAB DATE	COMPOSITE END/GRAB TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives: Unpreserved	H_2SO_4	HNO_3	HCl	TSP	BAK	Zinc Acetate & NaOH	Other	Analysis Test (Y/N): BTEX	TPH C4-C12	Total T-Specialty	Residual Chlorine (Y/N)	Pace Project No./ Lab I.D.
1	MPE	Air	G			7-12-16	0950	*	2	X								X	X			
2	Air Stripper	Air	G			7-12-16	1000	*	2	X								X	X			
3																						
4																						
5																						
6																						
7																						
8																						
9																						
10																						
11																						
12																						

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS
				DOS PBS	7/15/16	1603	

ORIGINAL

SAMPLER NAME AND SIGNATURE
PRINT Name of SAMPLER: Barry Luppert
SIGNATURE of SAMPLER: [signature]
DATE Signed (MM/DD/YY): 7-12-16

Temp in °C | Received on Ice (Y/N) | Custody Sealed Cooler (Y/N) | Samples Intact (Y/N)

*Important Note: By signing this form you are accepting Pace's NET 30 day payment terms and agreeing to late charges of 1.5% per month for any invoices not paid within 30 days.

F-ALL-Q-020rev.07, 15-May-2007

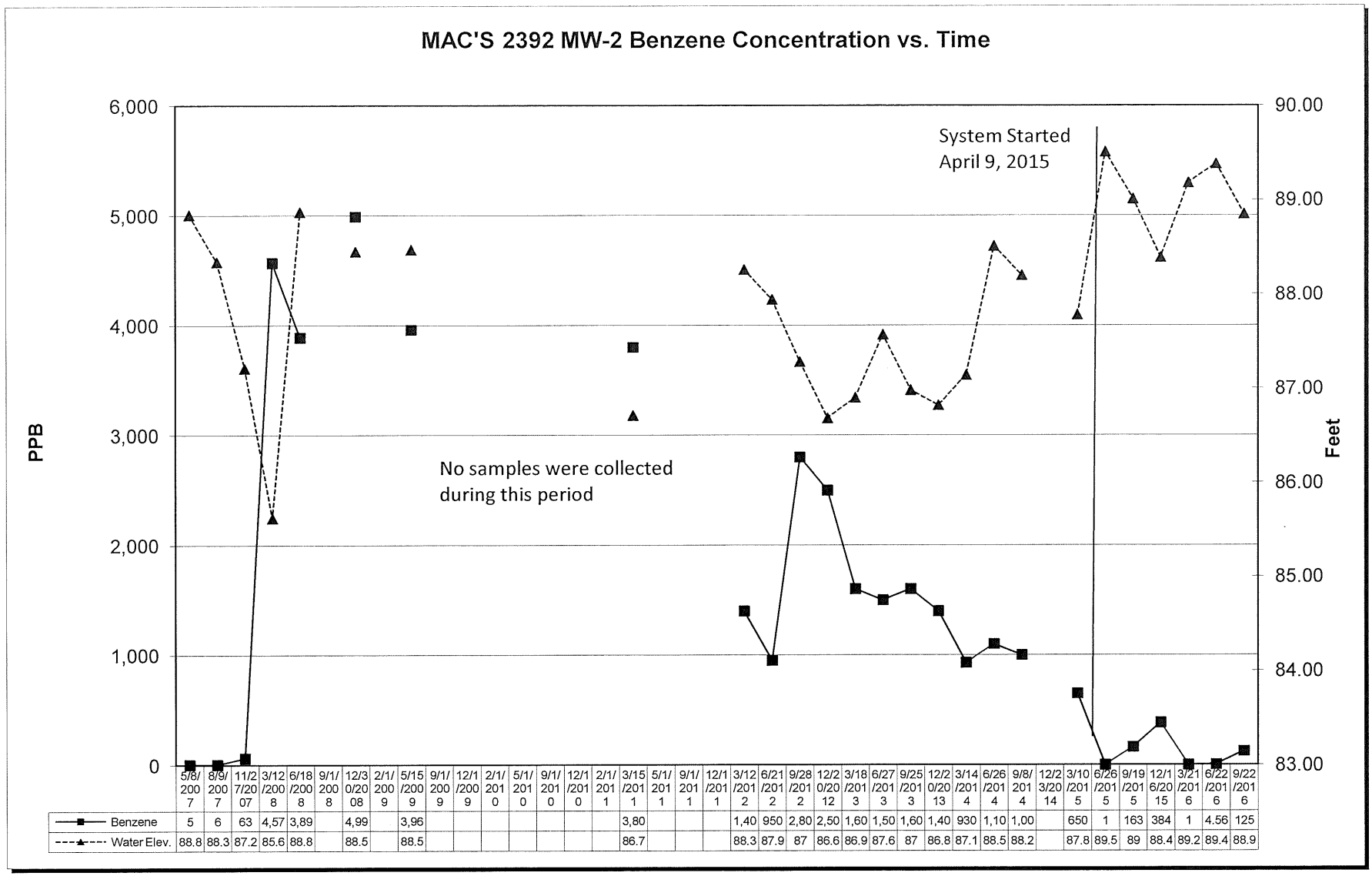
VOC EMISSIONS CALCULATIONS

CLIENT	MAC'S CONVENIENCE STORES LLC
PROJECT NAME	CIRCLE K #2392
FACILITY LOCATION	2345 COVERT AVENUE EVANSVILLE, INDIANA
PROJECT NUMBER	311040

SAMPLE DATES	7/12/2016	7/12/2016
SAMPLE LOCATION	LRP	Air Stripper
SAMPLE RESULTS (ppmv)	0.98	0.70
STACK DIAMETER(IN)	3.0	6.0
VELOCITY(FPM)	4,400	1,750
SYSTEM FLOW (ACFM)	216	344
DISCHARGE TEMP (FAHRENHEIT)	149.0	81.0
DISCHARGE TEMP (CELSIUS)	65	27
STACK PRESSURE(absolute IN. Hg)	30	30
DISCHARGE FLOW (SCFM)	190.94	341.98
PPMV CONVERTED TO μg/L	3.05	2.45

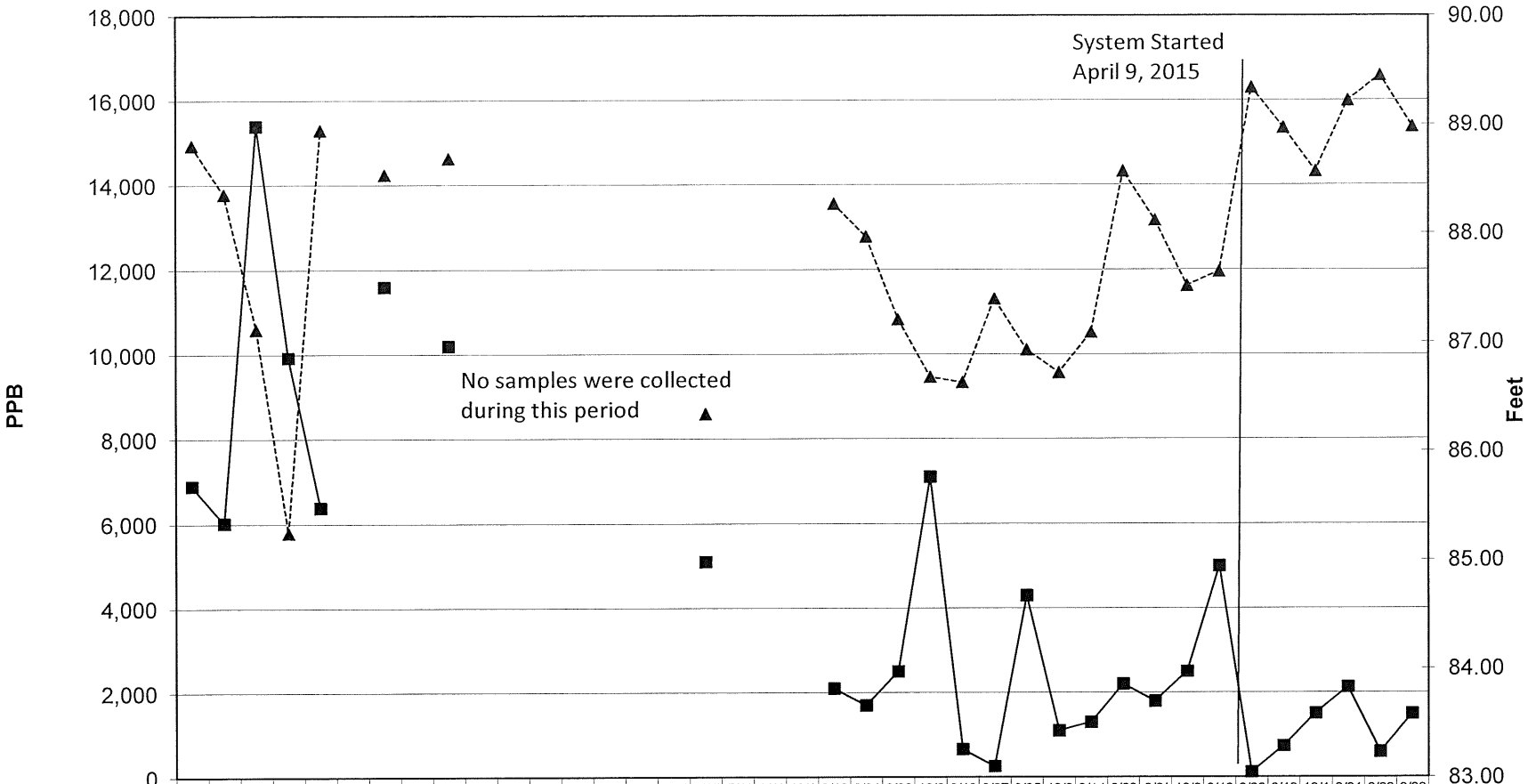
Calculation results (baed on C4-C12 ppmv results as hexane, MW = 86.18)

			Total VOC Emissions
VOC EMISSIONS (LB/ 24 hours of operation)	0.05	0.08	**0.13**
Days of Operation	5.0		
TOTAL VOC EMISSIONS (LBs)	0.26	0.38	**0.64**

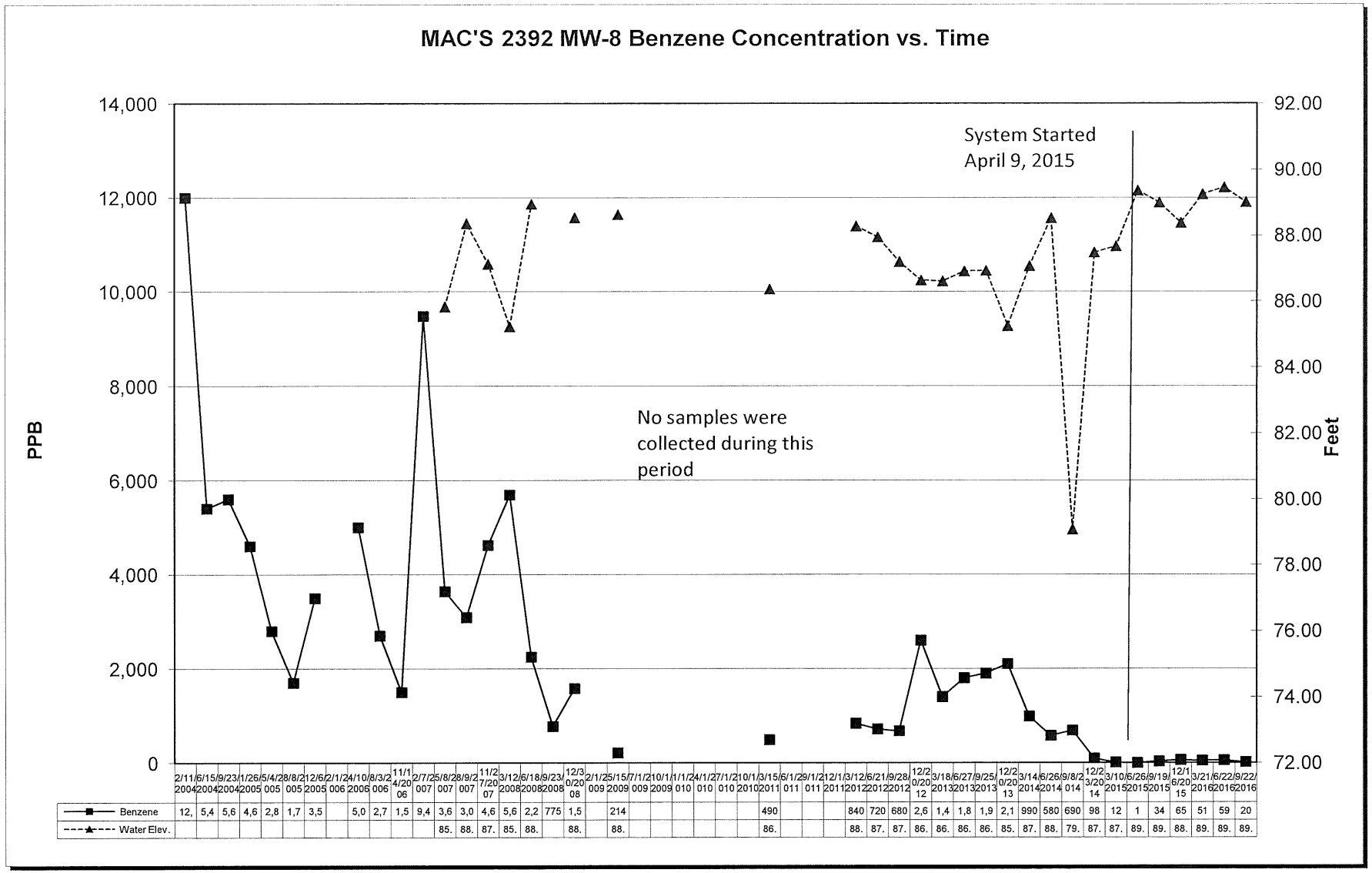


	5/8/2007	8/9/2007	11/27/2007	3/12/2008	6/18/2008	9/1/2008	12/30/2008	2/1/2009	5/15/2009	9/1/2009	12/1/2009	2/1/2010	5/1/2010	9/1/2010	12/1/2010	2/1/2011	3/15/2011	5/1/2011	9/1/2011	12/1/2011	3/12/2012	6/21/2012	9/28/2012	12/20/2012	3/18/2013	6/27/2013	9/25/2013	12/20/2013	3/14/2014	6/26/2014	9/8/2014	12/23/2014	3/10/2015	6/26/2015	9/19/2015	12/16/2015	3/21/2016	6/22/2016	9/22/2016
Benzene	5	6	63	4,57	3,89		4,99		3,96								3,80				1,40	950	2,80	2,50	1,60	1,50	1,60	1,40	930	1,10	1,00		650	1	163	384	1	4.56	125
Water Elev.	88.8	88.3	87.2	85.6	88.8		88.5		88.5								86.7				88.3	87.9	87	86.6	86.9	87.6	87	86.8	87.1	88.5	88.2		87.8	89.5	89	88.4	89.2	89.4	88.9

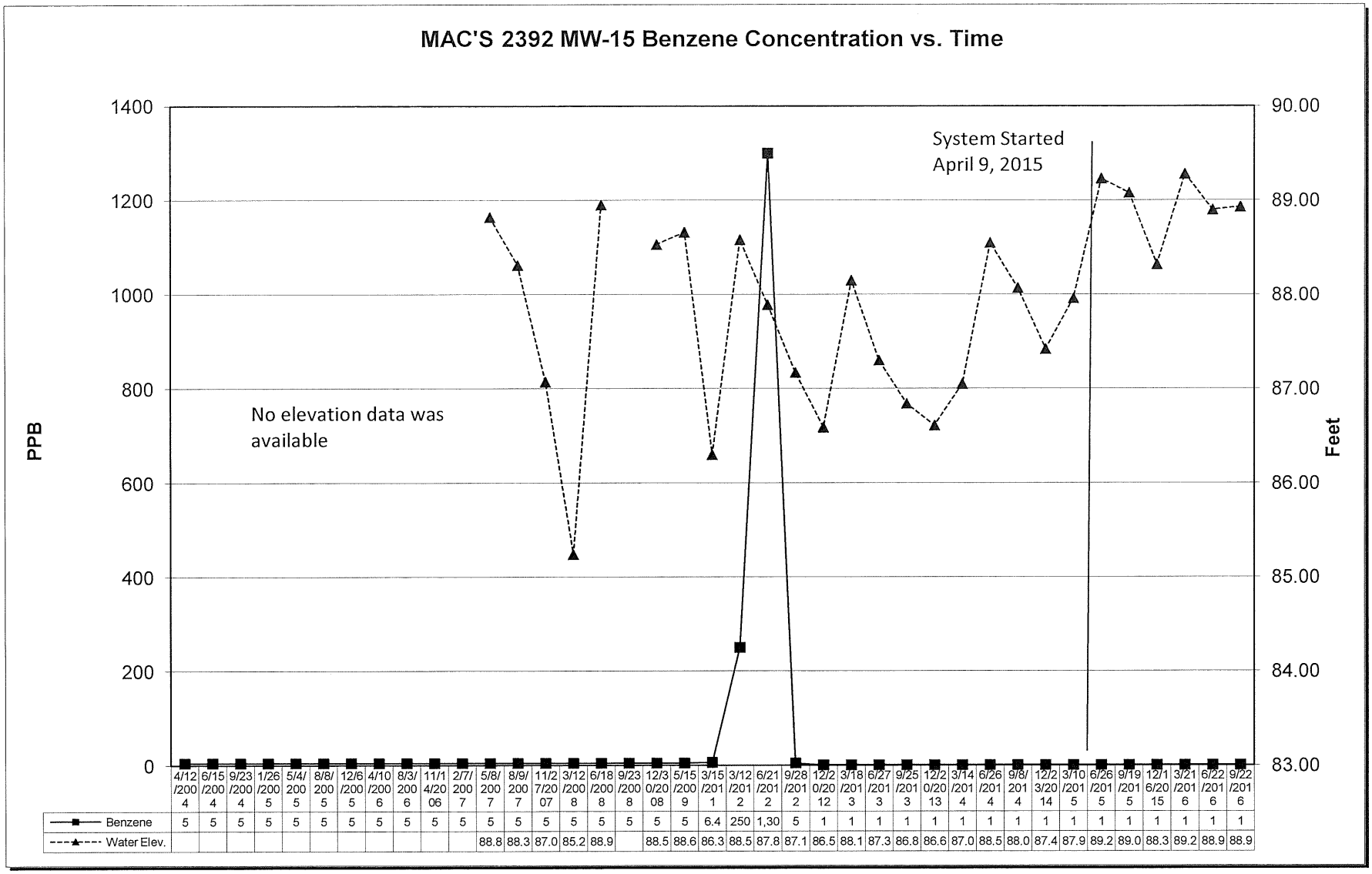
MAC'S 2392 MW-7 Benzene Concentration vs. Time



	5/8/2007	8/9/2007	11/27/2007	3/12/2008	6/18/2008	9/1/2008	12/30/2008	2/1/2009	5/15/2009	9/1/2009	12/1/2009	2/1/2010	5/1/2010	9/1/2010	12/1/2010	2/1/2011	3/15/2011	5/1/2011	9/1/2011	12/1/2011	3/12/2012	6/21/2012	9/28/2012	12/20/2012	3/18/2013	6/27/2013	9/25/2013	12/20/2013	3/14/2014	6/26/2014	9/8/2014	12/23/2014	3/10/2015	6/26/2015	9/19/2015	12/16/2015	3/21/2016	6/22/2016	9/22/2016
Benzene	6,89	6,02	15,4	9,93	6,38		11,6		10,2								5,10				2,10	1,70	2,50	7,10	660	260	4,30	1,10	1,30	2,20	1,80	2,50	5,00	119	736	1,51	2,13	597	1,50
Water Elev.	88.8	88.4	87.1	85.3	89		88.5		88.7								86.3				88.3	88	87.2	86.7	86.6	87.4	86.9	86.7	87.1	88.6	88.1	87.5	87.7	89.3	89	88.6	89.2	89.5	89

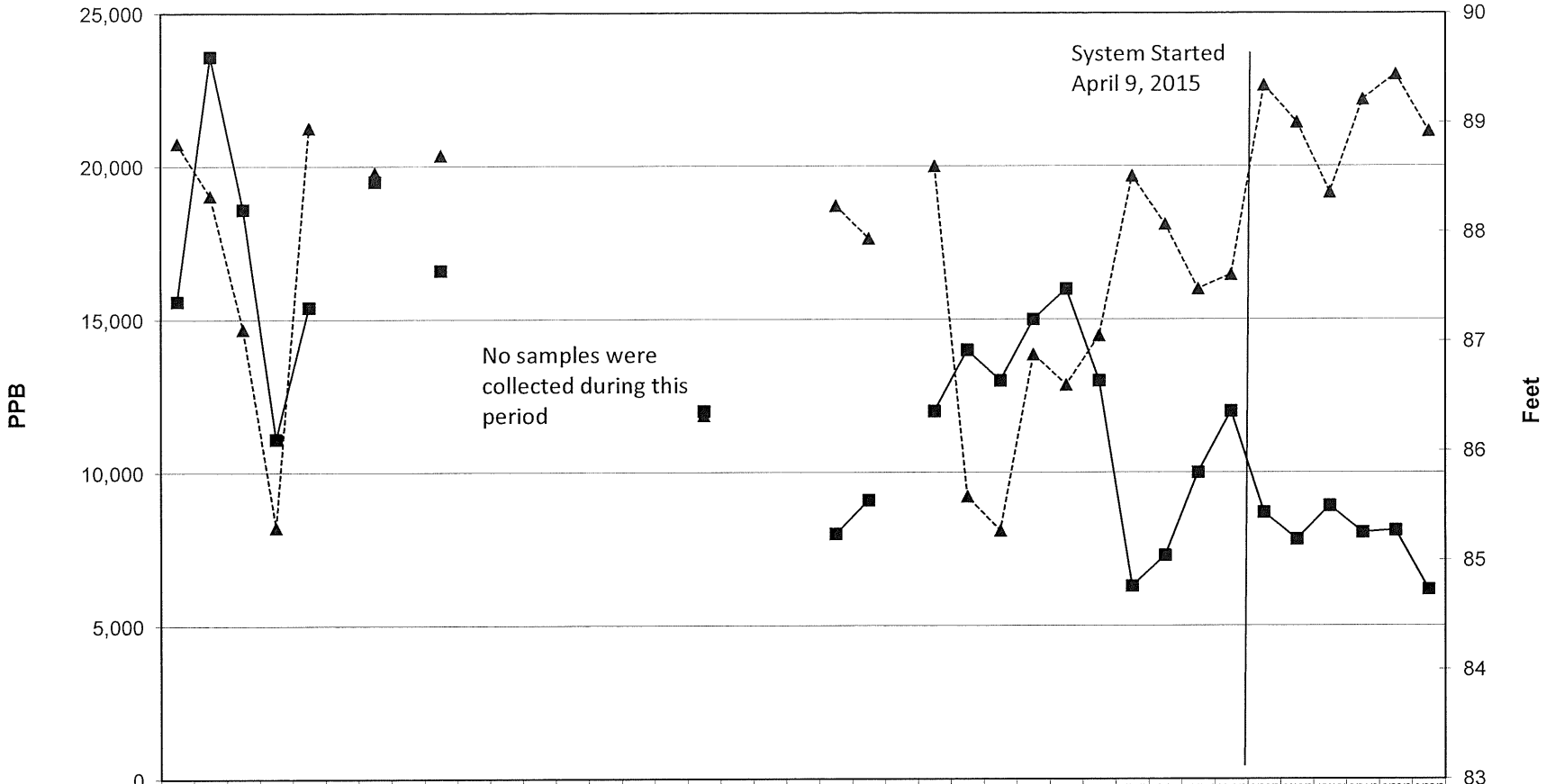


	2/11/2004	6/15/2004	9/23/2004	1/26/2005	5/4/2005	8/8/2005	12/6/2005	2/1/2006	4/10/2006	8/3/2006	11/14/2006	2/7/2007	5/8/2007	8/9/2007	11/27/2007	3/12/2008	6/18/2008	9/23/2008	12/30/2008	2/1/2009	5/15/2009	7/1/2009	10/1/2009	1/1/2010	4/1/2010	7/1/2010	10/1/2010	3/15/2011	6/1/2011	9/1/2011	12/1/2011	3/12/2012	6/21/2012	9/28/2012	12/20/2012	3/18/2013	6/27/2013	9/25/2013	12/20/2013	3/14/2014	6/26/2014	9/8/2014	12/23/2014	3/10/2015	6/26/2015	9/19/2015	12/16/2015	3/21/2016	6/22/2016	9/22/2016
Benzene	12,	5,4	5,6	4,6	2,8	1,7	3,5		5,0	2,7	1,5	9,4	3,6	3,0	4,6	5,6	2,2	775	1,5		214							490				840	720	680	2,6	1,4	1,8	1,9	2,1	990	580	690	98	12	1	34	65	51	59	20
Water Elev.													85.	88.	87.	85.	88.		88.		88.							86.				88.	87.	87.	86.	86.	86.	86.	85.	87.	88.	79.	87.	87.	89.	89.	88.	89.	89.	89.

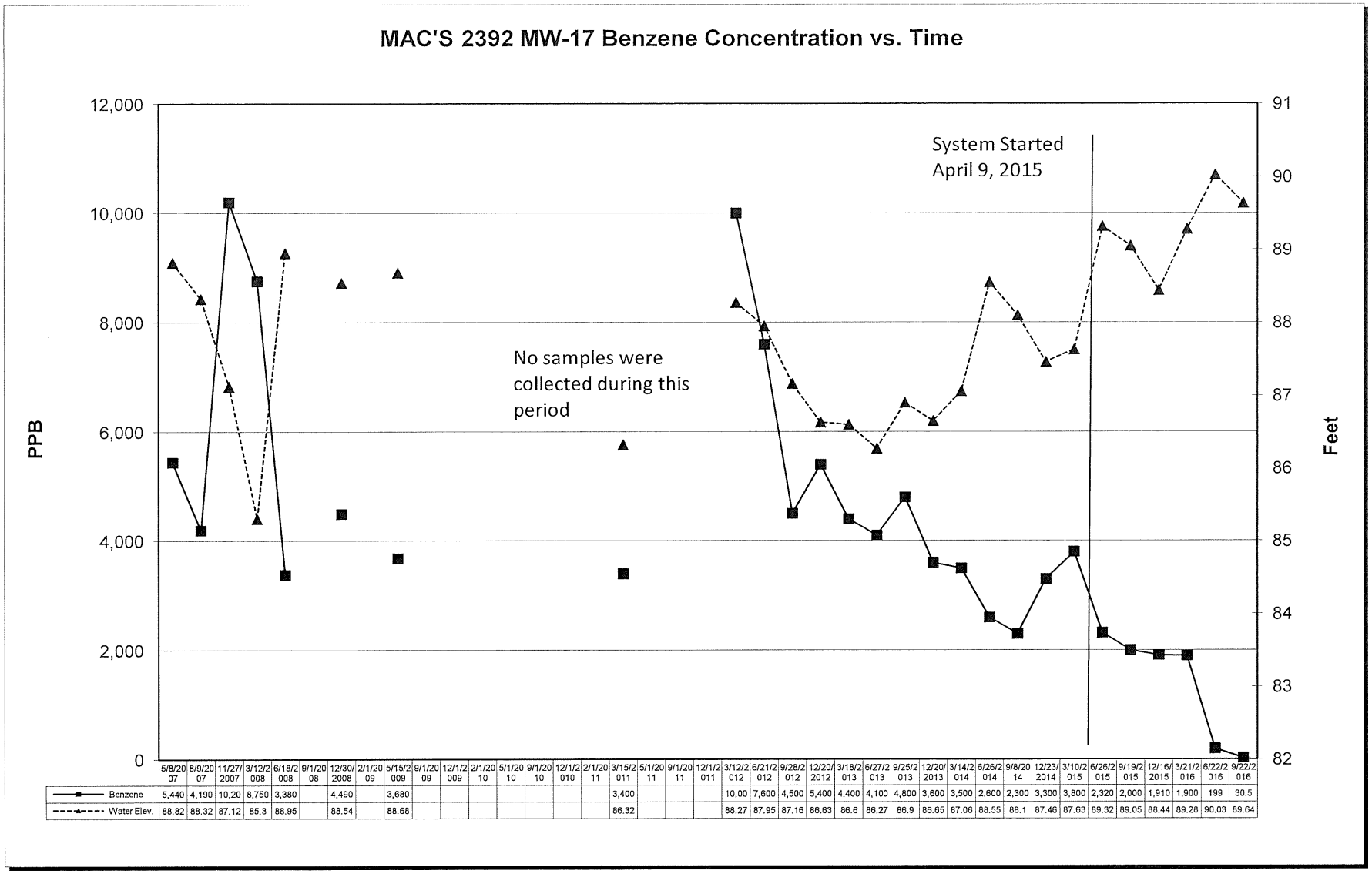


	4/12/2004	6/15/2004	9/23/2004	1/26/2005	5/4/2005	8/8/2005	12/6/2005	4/10/2006	8/3/2006	11/14/06	2/7/2007	5/8/2007	8/9/2007	11/27/07	3/12/2008	6/18/2008	9/23/2008	12/30/08	5/15/2009	3/15/2011	3/12/2012	6/21/2012	9/28/2012	12/20/12	3/18/2013	6/27/2013	9/25/2013	12/20/13	3/14/2014	6/26/2014	9/8/2014	12/23/14	3/10/2015	6/26/2015	9/19/2015	12/16/15	3/21/2016	6/22/2016	9/22/2016
Benzene	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	6.4	250	1,30	5	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Water Elev.												88.8	88.3	87.0	85.2	88.9		88.5	88.6	86.3	88.5	87.8	87.1	86.5	88.1	87.3	86.8	86.6	87.0	88.5	88.0	87.4	87.9	89.2	89.0	88.3	89.2	88.9	88.9

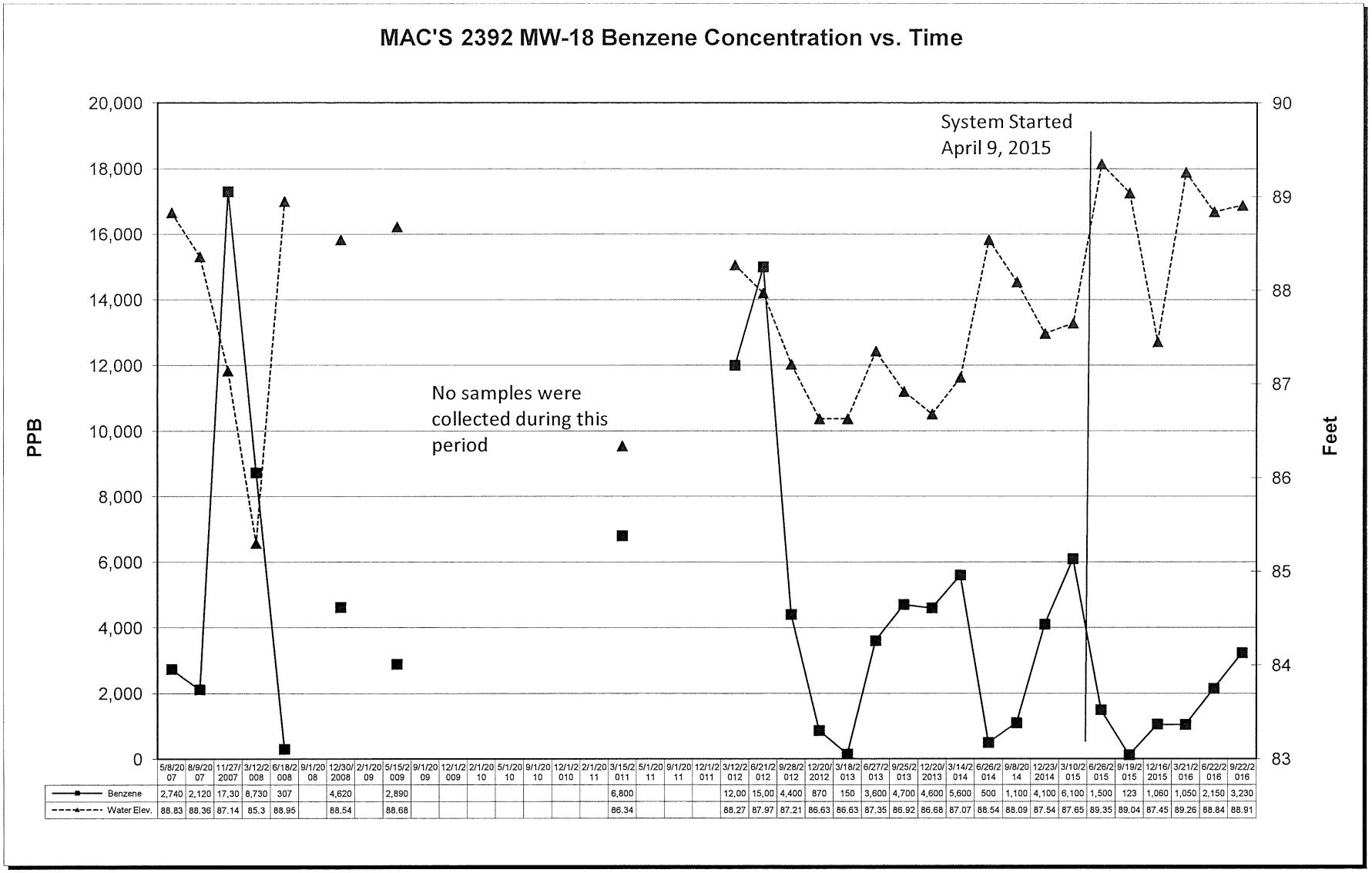
MAC'S 2392 MW-16/MW-16R Benzene Concentration vs. Time



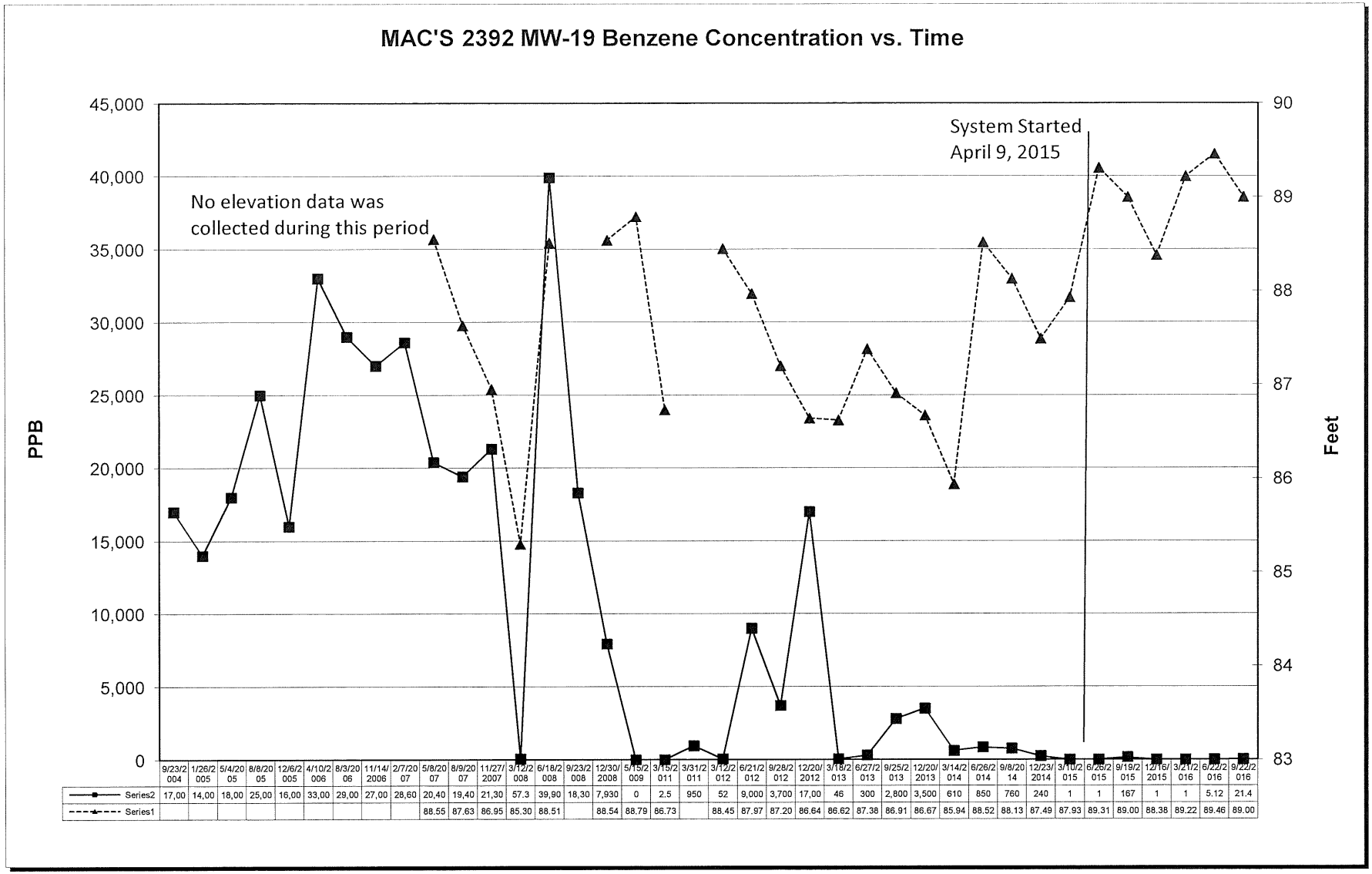
	5/8/2007	8/9/2007	11/27/2007	3/12/2008	6/18/2008	9/1/2008	12/30/2008	2/1/2009	5/15/2009	9/1/2009	12/1/2009	2/1/2010	5/1/2010	9/1/2010	12/1/2010	2/1/2011	3/15/2011	5/1/2011	9/1/2011	12/1/2011	3/12/2012	6/21/2012	9/28/2012	12/20/2012	3/18/2013	6/27/2013	9/25/2013	12/20/2013	3/14/2014	6/26/2014	9/8/2014	12/23/2014	3/10/2015	6/26/2015	9/19/2015	12/16/2015	3/21/2016	6/22/2016	9/22/2016
Benzene	15,60	23,60	18,60	11,10	15,40		19,50		16,60								12,00				8,000	9,100		12,00	14,00	13,00	15,00	16,00	13,00	6,300	7,300	10,00	12,00	8,700	7,830	8,910	8,050	8,120	6,190
Water Elev.	88.81	88.33	87.11	85.3	88.95		88.54		88.7								86.32				88.24	87.94		88.6	85.58	85.27	86.88	86.6	87.05	88.51	88.07	87.48	87.61	89.34	89	88.36	89.21	89.44	88.92



	5/8/2007	8/9/2007	11/27/2007	3/12/2008	6/18/2008	9/1/2008	12/30/2008	2/1/2009	5/15/2009	9/1/2009	12/1/2009	2/1/2010	5/1/2010	9/1/2010	12/1/2010	2/1/2011	3/15/2011	5/1/2011	9/1/2011	12/1/2011	3/12/2012	6/21/2012	9/28/2012	12/20/2012	3/18/2013	6/27/2013	9/25/2013	12/20/2013	3/14/2014	6/26/2014	9/8/2014	12/23/2014	3/10/2015	6/26/2015	9/19/2015	12/16/2015	3/21/2016	6/22/2016	9/22/2016
Benzene	5,440	4,190	10,20	8,750	3,380		4,490		3,680								3,400				10,00	7,600	4,500	5,400	4,400	4,100	4,800	3,600	3,500	2,600	2,300	3,300	3,800	2,320	2,000	1,910	1,900	199	30.5
Water Elev.	88.82	88.32	87.12	85.3	88.95		88.54		88.68								86.32				88.27	87.95	87.16	86.63	86.6	86.27	86.9	86.65	87.06	88.55	88.1	87.46	87.63	89.32	89.05	88.44	89.28	90.03	89.64



	5/8/2007	8/9/2007	11/27/2007	3/12/2008	6/18/2008	9/1/2008	12/30/2008	2/1/2009	5/15/2009	9/1/2009	12/1/2009	2/1/2010	5/1/2010	9/1/2010	12/1/2010	2/1/2011	3/15/2011	5/1/2011	9/1/2011	12/1/2011	3/12/2012	6/21/2012	9/28/2012	12/20/2012	3/18/2013	6/27/2013	9/25/2013	12/20/2013	3/14/2014	6/26/2014	9/8/2014	12/23/2014	3/10/2015	6/26/2015	9/19/2015	12/16/2015	3/21/2016	6/22/2016	9/22/2016
Benzene	2,740	2,120	17,30	8,730	307		4,620		2,890								6,800				12,00	15,00	4,400	870	150	3,600	4,700	4,600	5,600	500	1,100	4,100	6,100	1,500	123	1,060	1,050	2,150	3,230
Water Elev.	88.83	88.36	87.14	85.3	88.95		88.54		88.68								86.34				88.27	87.97	87.21	86.63	86.63	87.35	86.92	86.68	87.07	88.54	88.09	87.54	87.65	89.35	89.04	87.45	89.26	88.84	88.91



	9/23/2004	1/26/2005	5/4/2005	8/8/2005	12/6/2005	4/10/2006	8/3/2006	11/14/2006	2/7/2007	5/8/2007	8/9/2007	11/27/2007	3/12/2008	6/18/2008	9/23/2008	12/30/2008	5/15/2009	3/15/2011	3/31/2011	3/12/2012	6/21/2012	9/28/2012	12/20/2012	3/18/2013	6/27/2013	9/25/2013	12/20/2013	3/14/2014	6/26/2014	9/8/2014	12/23/2014	3/10/2015	6/26/2015	9/19/2015	12/16/2015	3/21/2016	6/22/2016	9/22/2016
Series2	17,00	14,00	18,00	25,00	16,00	33,00	29,00	27,00	28,60	20,40	19,40	21,30	57.3	39,90	18,30	7,930	0	2.5	950	52	9,000	3,700	17,00	46	300	2,800	3,500	610	850	760	240	1	1	167	1	1	5.12	21.4
Series1										88.55	87.63	86.95	85.30	88.51		88.54	88.79	86.73		88.45	87.97	87.20	86.64	86.62	87.38	86.91	86.67	85.94	88.52	88.13	87.49	87.93	89.31	89.00	88.38	89.22	89.46	89.00

APPENDIX B

Groundwater Analytical Results

ANALYTICAL REPORT

October 06, 2016

American Environmental - IN CKR

Sample Delivery Group:	L862084
Samples Received:	09/27/2016
Project Number:	311040
Description:	Circle K 2392 - Evansville, IN
Site:	CK 2392
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.

TABLE OF CONTENTS

[1]Cp: Cover Page 1

[2]Tc: Table of Contents 2

[3]Ss: Sample Summary 3

[4]Cn: Case Narrative 6

[5]Sr: Sample Results 7

MW-1 L862084-01 7

MW-2 L862084-02 9

MW-3 L862084-03 11

MW-4 L862084-04 13

MW-5 L862084-05 15

MW-6 L862084-06 17

MW-7 L862084-07 19

MW-8 L862084-08 21

MW-9 L862084-09 23

MW-10 L862084-10 25

MW-11 L862084-11 27

MW-12 L862084-12 29

MW-13 L862084-13 31

MW-15 L862084-14 33

MW-16R L862084-15 35

MW-17 L862084-16 37

MW-18 L862084-17 39

MW-19 L862084-18 41

MW-20 L862084-19 43

MW-21 L862084-20 45

DUPLICATE L862084-21 47

[6]Qc: Quality Control Summary 49

Volatile Organic Compounds (GC/MS) by Method 8260B 49

[7]Gl: Glossary of Terms 61

[8]Al: Accreditations & Locations 62

[9]Sc: Chain of Custody 63

1 Cp
2 Tc
3 Ss
4 Cn
5 Sr
6 Qc
7 Gl
8 Al
9 Sc

MW-1 L862084-01 GW

Collected by: Barry Luppert | Collected date/time: 09/22/16 08:52 | Received date/time: 09/27/16 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Volatile Organic Compounds (GC/MS) by Method 8260B	WG913668	1	10/04/16 16:07	10/04/16 16:07	ACG

MW-2 L862084-02 GW

Collected by: Barry Luppert | Collected date/time: 09/22/16 09:13 | Received date/time: 09/27/16 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Volatile Organic Compounds (GC/MS) by Method 8260B	WG913668	1	10/04/16 16:29	10/04/16 16:29	ACG

MW-3 L862084-03 GW

Collected by: Barry Luppert | Collected date/time: 09/22/16 08:58 | Received date/time: 09/27/16 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Volatile Organic Compounds (GC/MS) by Method 8260B	WG913668	1	10/04/16 16:50	10/04/16 16:50	ACG

MW-4 L862084-04 GW

Collected by: Barry Luppert | Collected date/time: 09/22/16 09:32 | Received date/time: 09/27/16 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Volatile Organic Compounds (GC/MS) by Method 8260B	WG913668	1	10/04/16 17:12	10/04/16 17:12	ACG

MW-5 L862084-05 GW

Collected by: Barry Luppert | Collected date/time: 09/22/16 09:25 | Received date/time: 09/27/16 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Volatile Organic Compounds (GC/MS) by Method 8260B	WG913668	1	10/04/16 17:34	10/04/16 17:34	ACG

MW-6 L862084-06 GW

Collected by: Barry Luppert | Collected date/time: 09/22/16 09:17 | Received date/time: 09/27/16 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Volatile Organic Compounds (GC/MS) by Method 8260B	WG913668	1	10/04/16 17:55	10/04/16 17:55	ACG

MW-7 L862084-07 GW

Collected by: Barry Luppert | Collected date/time: 09/22/16 09:48 | Received date/time: 09/27/16 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Volatile Organic Compounds (GC/MS) by Method 8260B	WG913668	100	10/06/16 01:58	10/06/16 01:58	DWR
Volatile Organic Compounds (GC/MS) by Method 8260B	WG913668	5	10/04/16 18:17	10/04/16 18:17	ACG

MW-8 L862084-08 GW

Collected by: Barry Luppert | Collected date/time: 09/22/16 09:54 | Received date/time: 09/27/16 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Volatile Organic Compounds (GC/MS) by Method 8260B	WG913668	1	10/04/16 18:39	10/04/16 18:39	ACG
Volatile Organic Compounds (GC/MS) by Method 8260B	WG913668	1	10/06/16 02:10	10/06/16 02:10	DWR

1 Cp
2 Tc
3 Ss
4 Cn
5 Sr
6 Qc
7 Gl
8 Al
9 Sc

MW-9 L862084-09 GW

Collected by: Barry Luppert | Collected date/time: 09/22/16 10:38 | Received date/time: 09/27/16 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Volatile Organic Compounds (GC/MS) by Method 8260B	WG913668	1	10/04/16 19:00	10/04/16 19:00	ACG

MW-10 L862084-10 GW

Collected by: Barry Luppert | Collected date/time: 09/22/16 08:33 | Received date/time: 09/27/16 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Volatile Organic Compounds (GC/MS) by Method 8260B	WG913668	1	10/04/16 19:22	10/04/16 19:22	ACG

MW-11 L862084-11 GW

Collected by: Barry Luppert | Collected date/time: 09/22/16 08:20 | Received date/time: 09/27/16 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Volatile Organic Compounds (GC/MS) by Method 8260B	WG913668	1	10/04/16 19:43	10/04/16 19:43	ACG

MW-12 L862084-12 GW

Collected by: Barry Luppert | Collected date/time: 09/22/16 08:46 | Received date/time: 09/27/16 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Volatile Organic Compounds (GC/MS) by Method 8260B	WG913668	1	10/04/16 20:05	10/04/16 20:05	ACG

MW-13 L862084-13 GW

Collected by: Barry Luppert | Collected date/time: 09/22/16 08:47 | Received date/time: 09/27/16 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Volatile Organic Compounds (GC/MS) by Method 8260B	WG913668	1	10/04/16 20:27	10/04/16 20:27	ACG

MW-15 L862084-14 GW

Collected by: Barry Luppert | Collected date/time: 09/22/16 10:28 | Received date/time: 09/27/16 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Volatile Organic Compounds (GC/MS) by Method 8260B	WG913668	1	10/04/16 21:05	10/04/16 21:05	ACG

MW-16R L862084-15 GW

Collected by: Barry Luppert | Collected date/time: 09/22/16 10:16 | Received date/time: 09/27/16 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Volatile Organic Compounds (GC/MS) by Method 8260B	WG913668	25	10/04/16 21:27	10/04/16 21:27	ACG
Volatile Organic Compounds (GC/MS) by Method 8260B	WG913668	500	10/06/16 02:22	10/06/16 02:22	DWR

MW-17 L862084-16 GW

Collected by: Barry Luppert | Collected date/time: 09/22/16 09:59 | Received date/time: 09/27/16 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Volatile Organic Compounds (GC/MS) by Method 8260B	WG913668	1	10/04/16 22:53	10/04/16 22:53	ACG

1 Cp
2 Tc
3 Ss
4 Cn
5 Sr
6 Qc
7 Gl
8 Al
9 Sc

MW-18 L862084-17 GW

Collected by: Barry Luppert | Collected date/time: 09/22/16 10:06 | Received date/time: 09/27/16 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Volatile Organic Compounds (GC/MS) by Method 8260B	WG913564	1	10/04/16 09:51	10/04/16 09:51	HJF
Volatile Organic Compounds (GC/MS) by Method 8260B	WG913564	50	10/05/16 05:37	10/05/16 05:37	JHH

MW-19 L862084-18 GW

Collected by: Barry Luppert | Collected date/time: 09/22/16 09:43 | Received date/time: 09/27/16 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Volatile Organic Compounds (GC/MS) by Method 8260B	WG913564	1	10/04/16 10:11	10/04/16 10:11	JHH
Volatile Organic Compounds (GC/MS) by Method 8260B	WG913564	1	10/05/16 00:59	10/05/16 00:59	JHH

MW-20 L862084-19 GW

Collected by: Barry Luppert | Collected date/time: 09/22/16 09:09 | Received date/time: 09/27/16 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Volatile Organic Compounds (GC/MS) by Method 8260B	WG913564	1	10/04/16 10:32	10/04/16 10:32	HJF

MW-21 L862084-20 GW

Collected by: Barry Luppert | Collected date/time: 09/22/16 08:00 | Received date/time: 09/27/16 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Volatile Organic Compounds (GC/MS) by Method 8260B	WG913564	1	10/04/16 10:52	10/04/16 10:52	HJF

DUPLICATE L862084-21 GW

Collected by: Barry Luppert | Collected date/time: 09/22/16 00:00 | Received date/time: 09/27/16 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Volatile Organic Compounds (GC/MS) by Method 8260B	WG913564	10	10/04/16 03:21	10/04/16 03:21	HJF
Volatile Organic Compounds (GC/MS) by Method 8260B	WG913564	50	10/05/16 06:00	10/05/16 06:00	JHH
Volatile Organic Compounds (GC/MS) by Method 8260B	WG913564	500	10/06/16 00:45	10/06/16 00:45	DWR

1 Cp
2 Tc
3 Ss
4 Cn
5 Sr
6 Qc
7 Gl
8 Al
9 Sc

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

Sample Handling and Receiving

The analysis for 2-Chloroethyl Vinyl Ether was conducted from a chemically preserved container.

ESC Sample ID	Project Sample ID	Method
L862084-01	MW-1	8260B
L862084-02	MW-2	8260B
L862084-03	MW-3	8260B
L862084-04	MW-4	8260B
L862084-05	MW-5	8260B
L862084-06	MW-6	8260B
L862084-07	MW-7	8260B
L862084-08	MW-8	8260B
L862084-09	MW-9	8260B
L862084-10	MW-10	8260B
L862084-11	MW-11	8260B
L862084-12	MW-12	8260B
L862084-13	MW-13	8260B
L862084-14	MW-15	8260B
L862084-15	MW-16R	8260B
L862084-16	MW-17	8260B
L862084-17	MW-18	8260B
L862084-18	MW-19	8260B
L862084-19	MW-20	8260B
L862084-20	MW-21	8260B
L862084-21	DUPLICATE	8260B

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result ug/l	Qualifier	RDL ug/l	Dilution	Analysis date / time	Batch
Acetone	ND		50.0	1	10/04/2016 16:07	WG913668
Acrolein	ND		50.0	1	10/04/2016 16:07	WG913668
Acrylonitrile	ND		10.0	1	10/04/2016 16:07	WG913668
Benzene	ND		1.00	1	10/04/2016 16:07	WG913668
Bromobenzene	ND		1.00	1	10/04/2016 16:07	WG913668
Bromodichloromethane	ND		1.00	1	10/04/2016 16:07	WG913668
Bromoform	ND		1.00	1	10/04/2016 16:07	WG913668
Bromomethane	ND		5.00	1	10/04/2016 16:07	WG913668
n-Butylbenzene	ND		1.00	1	10/04/2016 16:07	WG913668
sec-Butylbenzene	ND		1.00	1	10/04/2016 16:07	WG913668
tert-Butylbenzene	ND		1.00	1	10/04/2016 16:07	WG913668
Carbon tetrachloride	ND		1.00	1	10/04/2016 16:07	WG913668
Chlorobenzene	ND		1.00	1	10/04/2016 16:07	WG913668
Chlorodibromomethane	ND		1.00	1	10/04/2016 16:07	WG913668
Chloroethane	ND		5.00	1	10/04/2016 16:07	WG913668
2-Chloroethyl vinyl ether	ND		50.0	1	10/04/2016 16:07	WG913668
Chloroform	ND		5.00	1	10/04/2016 16:07	WG913668
Chloromethane	ND		2.50	1	10/04/2016 16:07	WG913668
2-Chlorotoluene	ND		1.00	1	10/04/2016 16:07	WG913668
4-Chlorotoluene	ND		1.00	1	10/04/2016 16:07	WG913668
1,2-Dibromo-3-Chloropropane	ND		5.00	1	10/04/2016 16:07	WG913668
1,2-Dibromoethane	ND	J4	1.00	1	10/04/2016 16:07	WG913668
Dibromomethane	ND		1.00	1	10/04/2016 16:07	WG913668
1,2-Dichlorobenzene	ND		1.00	1	10/04/2016 16:07	WG913668
1,3-Dichlorobenzene	ND		1.00	1	10/04/2016 16:07	WG913668
1,4-Dichlorobenzene	ND		1.00	1	10/04/2016 16:07	WG913668
Dichlorodifluoromethane	ND		5.00	1	10/04/2016 16:07	WG913668
1,1-Dichloroethane	ND		1.00	1	10/04/2016 16:07	WG913668
1,2-Dichloroethane	ND		1.00	1	10/04/2016 16:07	WG913668
1,1-Dichloroethene	ND		1.00	1	10/04/2016 16:07	WG913668
cis-1,2-Dichloroethene	ND		1.00	1	10/04/2016 16:07	WG913668
trans-1,2-Dichloroethene	ND		1.00	1	10/04/2016 16:07	WG913668
1,2-Dichloropropane	ND		1.00	1	10/04/2016 16:07	WG913668
1,1-Dichloropropene	ND		1.00	1	10/04/2016 16:07	WG913668
1,3-Dichloropropane	ND	J4	1.00	1	10/04/2016 16:07	WG913668
cis-1,3-Dichloropropene	ND		1.00	1	10/04/2016 16:07	WG913668
trans-1,3-Dichloropropene	ND		1.00	1	10/04/2016 16:07	WG913668
2,2-Dichloropropane	ND		1.00	1	10/04/2016 16:07	WG913668
Di-isopropyl ether	ND		1.00	1	10/04/2016 16:07	WG913668
Ethylbenzene	ND		1.00	1	10/04/2016 16:07	WG913668
Hexachloro-1,3-butadiene	ND		1.00	1	10/04/2016 16:07	WG913668
Isopropylbenzene	ND		1.00	1	10/04/2016 16:07	WG913668
p-Isopropyltoluene	ND		1.00	1	10/04/2016 16:07	WG913668
2-Butanone (MEK)	ND		10.0	1	10/04/2016 16:07	WG913668
Methylene Chloride	ND		5.00	1	10/04/2016 16:07	WG913668
4-Methyl-2-pentanone (MIBK)	ND		10.0	1	10/04/2016 16:07	WG913668
Methyl tert-butyl ether	ND	J4	1.00	1	10/04/2016 16:07	WG913668
Naphthalene	ND		5.00	1	10/04/2016 16:07	WG913668
n-Propylbenzene	ND		1.00	1	10/04/2016 16:07	WG913668
Styrene	ND		1.00	1	10/04/2016 16:07	WG913668
1,1,1,2-Tetrachloroethane	ND		1.00	1	10/04/2016 16:07	WG913668
1,1,2,2-Tetrachloroethane	ND		1.00	1	10/04/2016 16:07	WG913668
1,1,2-Trichlorotrifluoroethane	ND	J4	1.00	1	10/04/2016 16:07	WG913668
Tetrachloroethene	ND		1.00	1	10/04/2016 16:07	WG913668
Toluene	ND		5.00	1	10/04/2016 16:07	WG913668
1,2,3-Trichlorobenzene	ND		1.00	1	10/04/2016 16:07	WG913668

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result ug/l	Qualifier	RDL ug/l	Dilution	Analysis date / time	Batch
1,2,4-Trichlorobenzene	ND		1.00	1	10/04/2016 16:07	WG913668
1,1,1-Trichloroethane	ND		1.00	1	10/04/2016 16:07	WG913668
1,1,2-Trichloroethane	ND		1.00	1	10/04/2016 16:07	WG913668
Trichloroethene	ND		1.00	1	10/04/2016 16:07	WG913668
Trichlorofluoromethane	ND		5.00	1	10/04/2016 16:07	WG913668
1,2,3-Trichloropropane	ND		2.50	1	10/04/2016 16:07	WG913668
1,2,4-Trimethylbenzene	ND		1.00	1	10/04/2016 16:07	WG913668
1,2,3-Trimethylbenzene	ND		1.00	1	10/04/2016 16:07	WG913668
1,3,5-Trimethylbenzene	ND		1.00	1	10/04/2016 16:07	WG913668
Vinyl chloride	ND		1.00	1	10/04/2016 16:07	WG913668
Xylenes, Total	ND		3.00	1	10/04/2016 16:07	WG913668
(S) Toluene-d8	*98.9*		*90.0-115*		*10/04/2016 16:07*	WG913668
(S) Dibromofluoromethane	*88.5*		*79.0-121*		*10/04/2016 16:07*	WG913668
(S) 4-Bromofluorobenzene	*107*		*80.1-120*		*10/04/2016 16:07*	WG913668

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result ug/l	Qualifier	RDL ug/l	Dilution	Analysis date / time	Batch
Acetone	ND		50.0	1	10/04/2016 16:29	WG913668
Acrolein	ND		50.0	1	10/04/2016 16:29	WG913668
Acrylonitrile	ND		10.0	1	10/04/2016 16:29	WG913668
Benzene	125		1.00	1	10/04/2016 16:29	WG913668
Bromobenzene	ND		1.00	1	10/04/2016 16:29	WG913668
Bromodichloromethane	ND		1.00	1	10/04/2016 16:29	WG913668
Bromoform	ND		1.00	1	10/04/2016 16:29	WG913668
Bromomethane	ND		5.00	1	10/04/2016 16:29	WG913668
n-Butylbenzene	ND		1.00	1	10/04/2016 16:29	WG913668
sec-Butylbenzene	ND		1.00	1	10/04/2016 16:29	WG913668
tert-Butylbenzene	ND		1.00	1	10/04/2016 16:29	WG913668
Carbon tetrachloride	ND		1.00	1	10/04/2016 16:29	WG913668
Chlorobenzene	ND		1.00	1	10/04/2016 16:29	WG913668
Chlorodibromomethane	ND		1.00	1	10/04/2016 16:29	WG913668
Chloroethane	ND		5.00	1	10/04/2016 16:29	WG913668
2-Chloroethyl vinyl ether	ND		50.0	1	10/04/2016 16:29	WG913668
Chloroform	ND		5.00	1	10/04/2016 16:29	WG913668
Chloromethane	ND		2.50	1	10/04/2016 16:29	WG913668
2-Chlorotoluene	ND		1.00	1	10/04/2016 16:29	WG913668
4-Chlorotoluene	ND		1.00	1	10/04/2016 16:29	WG913668
1,2-Dibromo-3-Chloropropane	ND		5.00	1	10/04/2016 16:29	WG913668
1,2-Dibromoethane	ND	J4	1.00	1	10/04/2016 16:29	WG913668
Dibromomethane	ND		1.00	1	10/04/2016 16:29	WG913668
1,2-Dichlorobenzene	ND		1.00	1	10/04/2016 16:29	WG913668
1,3-Dichlorobenzene	ND		1.00	1	10/04/2016 16:29	WG913668
1,4-Dichlorobenzene	ND		1.00	1	10/04/2016 16:29	WG913668
Dichlorodifluoromethane	ND		5.00	1	10/04/2016 16:29	WG913668
1,1-Dichloroethane	ND		1.00	1	10/04/2016 16:29	WG913668
1,2-Dichloroethane	ND		1.00	1	10/04/2016 16:29	WG913668
1,1-Dichloroethene	ND		1.00	1	10/04/2016 16:29	WG913668
cis-1,2-Dichloroethene	ND		1.00	1	10/04/2016 16:29	WG913668
trans-1,2-Dichloroethene	ND		1.00	1	10/04/2016 16:29	WG913668
1,2-Dichloropropane	ND		1.00	1	10/04/2016 16:29	WG913668
1,1-Dichloropropene	ND		1.00	1	10/04/2016 16:29	WG913668
1,3-Dichloropropane	ND	J4	1.00	1	10/04/2016 16:29	WG913668
cis-1,3-Dichloropropene	ND		1.00	1	10/04/2016 16:29	WG913668
trans-1,3-Dichloropropene	ND		1.00	1	10/04/2016 16:29	WG913668
2,2-Dichloropropane	ND		1.00	1	10/04/2016 16:29	WG913668
Di-isopropyl ether	ND		1.00	1	10/04/2016 16:29	WG913668
Ethylbenzene	144		1.00	1	10/04/2016 16:29	WG913668
Hexachloro-1,3-butadiene	ND		1.00	1	10/04/2016 16:29	WG913668
Isopropylbenzene	8.39		1.00	1	10/04/2016 16:29	WG913668
p-Isopropyltoluene	ND		1.00	1	10/04/2016 16:29	WG913668
2-Butanone (MEK)	ND		10.0	1	10/04/2016 16:29	WG913668
Methylene Chloride	ND		5.00	1	10/04/2016 16:29	WG913668
4-Methyl-2-pentanone (MIBK)	ND		10.0	1	10/04/2016 16:29	WG913668
Methyl tert-butyl ether	ND	J4	1.00	1	10/04/2016 16:29	WG913668
Naphthalene	40.4		5.00	1	10/04/2016 16:29	WG913668
n-Propylbenzene	13.9		1.00	1	10/04/2016 16:29	WG913668
Styrene	ND		1.00	1	10/04/2016 16:29	WG913668
1,1,1,2-Tetrachloroethane	ND		1.00	1	10/04/2016 16:29	WG913668
1,1,2,2-Tetrachloroethane	ND		1.00	1	10/04/2016 16:29	WG913668
1,1,2-Trichlorotrifluoroethane	ND	J4	1.00	1	10/04/2016 16:29	WG913668
Tetrachloroethene	ND		1.00	1	10/04/2016 16:29	WG913668
Toluene	6.93		5.00	1	10/04/2016 16:29	WG913668
1,2,3-Trichlorobenzene	ND		1.00	1	10/04/2016 16:29	WG913668

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result ug/l	Qualifier	RDL ug/l	Dilution	Analysis date / time	Batch
1,2,4-Trichlorobenzene	ND		1.00	1	10/04/2016 16:29	WG913668
1,1,1-Trichloroethane	ND		1.00	1	10/04/2016 16:29	WG913668
1,1,2-Trichloroethane	ND		1.00	1	10/04/2016 16:29	WG913668
Trichloroethene	ND		1.00	1	10/04/2016 16:29	WG913668
Trichlorofluoromethane	ND		5.00	1	10/04/2016 16:29	WG913668
1,2,3-Trichloropropane	ND		2.50	1	10/04/2016 16:29	WG913668
1,2,4-Trimethylbenzene	ND		1.00	1	10/04/2016 16:29	WG913668
1,2,3-Trimethylbenzene	29.2		1.00	1	10/04/2016 16:29	WG913668
1,3,5-Trimethylbenzene	ND		1.00	1	10/04/2016 16:29	WG913668
Vinyl chloride	ND		1.00	1	10/04/2016 16:29	WG913668
Xylenes, Total	12.4		3.00	1	10/04/2016 16:29	WG913668
(S) Toluene-d8	*97.9*		*90.0-115*		*10/04/2016 16:29*	WG913668
(S) Dibromofluoromethane	*88.5*		*79.0-121*		*10/04/2016 16:29*	WG913668
(S) 4-Bromofluorobenzene	*106*		*80.1-120*		*10/04/2016 16:29*	WG913668

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result ug/l	Qualifier	RDL ug/l	Dilution	Analysis date / time	Batch
Acetone	ND		50.0	1	10/04/2016 16:50	WG913668
Acrolein	ND		50.0	1	10/04/2016 16:50	WG913668
Acrylonitrile	ND		10.0	1	10/04/2016 16:50	WG913668
Benzene	ND		1.00	1	10/04/2016 16:50	WG913668
Bromobenzene	ND		1.00	1	10/04/2016 16:50	WG913668
Bromodichloromethane	ND		1.00	1	10/04/2016 16:50	WG913668
Bromoform	ND		1.00	1	10/04/2016 16:50	WG913668
Bromomethane	ND		5.00	1	10/04/2016 16:50	WG913668
n-Butylbenzene	ND		1.00	1	10/04/2016 16:50	WG913668
sec-Butylbenzene	ND		1.00	1	10/04/2016 16:50	WG913668
tert-Butylbenzene	ND		1.00	1	10/04/2016 16:50	WG913668
Carbon tetrachloride	ND		1.00	1	10/04/2016 16:50	WG913668
Chlorobenzene	ND		1.00	1	10/04/2016 16:50	WG913668
Chlorodibromomethane	ND		1.00	1	10/04/2016 16:50	WG913668
Chloroethane	ND		5.00	1	10/04/2016 16:50	WG913668
2-Chloroethyl vinyl ether	ND		50.0	1	10/04/2016 16:50	WG913668
Chloroform	ND		5.00	1	10/04/2016 16:50	WG913668
Chloromethane	ND		2.50	1	10/04/2016 16:50	WG913668
2-Chlorotoluene	ND		1.00	1	10/04/2016 16:50	WG913668
4-Chlorotoluene	ND		1.00	1	10/04/2016 16:50	WG913668
1,2-Dibromo-3-Chloropropane	ND		5.00	1	10/04/2016 16:50	WG913668
1,2-Dibromoethane	ND	J4	1.00	1	10/04/2016 16:50	WG913668
Dibromomethane	ND		1.00	1	10/04/2016 16:50	WG913668
1,2-Dichlorobenzene	ND		1.00	1	10/04/2016 16:50	WG913668
1,3-Dichlorobenzene	ND		1.00	1	10/04/2016 16:50	WG913668
1,4-Dichlorobenzene	ND		1.00	1	10/04/2016 16:50	WG913668
Dichlorodifluoromethane	ND		5.00	1	10/04/2016 16:50	WG913668
1,1-Dichloroethane	ND		1.00	1	10/04/2016 16:50	WG913668
1,2-Dichloroethane	ND		1.00	1	10/04/2016 16:50	WG913668
1,1-Dichloroethene	ND		1.00	1	10/04/2016 16:50	WG913668
cis-1,2-Dichloroethene	ND		1.00	1	10/04/2016 16:50	WG913668
trans-1,2-Dichloroethene	ND		1.00	1	10/04/2016 16:50	WG913668
1,2-Dichloropropane	ND		1.00	1	10/04/2016 16:50	WG913668
1,1-Dichloropropene	ND		1.00	1	10/04/2016 16:50	WG913668
1,3-Dichloropropane	ND	J4	1.00	1	10/04/2016 16:50	WG913668
cis-1,3-Dichloropropene	ND		1.00	1	10/04/2016 16:50	WG913668
trans-1,3-Dichloropropene	ND		1.00	1	10/04/2016 16:50	WG913668
2,2-Dichloropropane	ND		1.00	1	10/04/2016 16:50	WG913668
Di-isopropyl ether	ND		1.00	1	10/04/2016 16:50	WG913668
Ethylbenzene	ND		1.00	1	10/04/2016 16:50	WG913668
Hexachloro-1,3-butadiene	ND		1.00	1	10/04/2016 16:50	WG913668
Isopropylbenzene	ND		1.00	1	10/04/2016 16:50	WG913668
p-Isopropyltoluene	ND		1.00	1	10/04/2016 16:50	WG913668
2-Butanone (MEK)	ND		10.0	1	10/04/2016 16:50	WG913668
Methylene Chloride	ND		5.00	1	10/04/2016 16:50	WG913668
4-Methyl-2-pentanone (MIBK)	ND		10.0	1	10/04/2016 16:50	WG913668
Methyl tert-butyl ether	ND	J4	1.00	1	10/04/2016 16:50	WG913668
Naphthalene	ND		5.00	1	10/04/2016 16:50	WG913668
n-Propylbenzene	ND		1.00	1	10/04/2016 16:50	WG913668
Styrene	ND		1.00	1	10/04/2016 16:50	WG913668
1,1,1,2-Tetrachloroethane	ND		1.00	1	10/04/2016 16:50	WG913668
1,1,2,2-Tetrachloroethane	ND		1.00	1	10/04/2016 16:50	WG913668
1,1,2-Trichlorotrifluoroethane	ND	J4	1.00	1	10/04/2016 16:50	WG913668
Tetrachloroethene	ND		1.00	1	10/04/2016 16:50	WG913668
Toluene	ND		5.00	1	10/04/2016 16:50	WG913668
1,2,3-Trichlorobenzene	ND		1.00	1	10/04/2016 16:50	WG913668

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result ug/l	Qualifier	RDL ug/l	Dilution	Analysis date / time	Batch
1,2,4-Trichlorobenzene	ND		1.00	1	10/04/2016 16:50	WG913668
1,1,1-Trichloroethane	ND		1.00	1	10/04/2016 16:50	WG913668
1,1,2-Trichloroethane	ND		1.00	1	10/04/2016 16:50	WG913668
Trichloroethene	ND		1.00	1	10/04/2016 16:50	WG913668
Trichlorofluoromethane	ND		5.00	1	10/04/2016 16:50	WG913668
1,2,3-Trichloropropane	ND		2.50	1	10/04/2016 16:50	WG913668
1,2,4-Trimethylbenzene	ND		1.00	1	10/04/2016 16:50	WG913668
1,2,3-Trimethylbenzene	ND		1.00	1	10/04/2016 16:50	WG913668
1,3,5-Trimethylbenzene	ND		1.00	1	10/04/2016 16:50	WG913668
Vinyl chloride	ND		1.00	1	10/04/2016 16:50	WG913668
Xylenes, Total	ND		3.00	1	10/04/2016 16:50	WG913668
(S) Toluene-d8	*99.5*		*90.0-115*		*10/04/2016 16:50*	WG913668
(S) Dibromofluoromethane	*88.8*		*79.0-121*		*10/04/2016 16:50*	WG913668
(S) 4-Bromofluorobenzene	*107*		*80.1-120*		*10/04/2016 16:50*	WG913668

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result ug/l	Qualifier	RDL ug/l	Dilution	Analysis date / time	Batch
Acetone	ND		50.0	1	10/04/2016 17:12	WG913668
Acrolein	ND		50.0	1	10/04/2016 17:12	WG913668
Acrylonitrile	ND		10.0	1	10/04/2016 17:12	WG913668
Benzene	ND		1.00	1	10/04/2016 17:12	WG913668
Bromobenzene	ND		1.00	1	10/04/2016 17:12	WG913668
Bromodichloromethane	ND		1.00	1	10/04/2016 17:12	WG913668
Bromoform	ND		1.00	1	10/04/2016 17:12	WG913668
Bromomethane	ND		5.00	1	10/04/2016 17:12	WG913668
n-Butylbenzene	ND		1.00	1	10/04/2016 17:12	WG913668
sec-Butylbenzene	ND		1.00	1	10/04/2016 17:12	WG913668
tert-Butylbenzene	ND		1.00	1	10/04/2016 17:12	WG913668
Carbon tetrachloride	ND		1.00	1	10/04/2016 17:12	WG913668
Chlorobenzene	ND		1.00	1	10/04/2016 17:12	WG913668
Chlorodibromomethane	ND		1.00	1	10/04/2016 17:12	WG913668
Chloroethane	ND		5.00	1	10/04/2016 17:12	WG913668
2-Chloroethyl vinyl ether	ND		50.0	1	10/04/2016 17:12	WG913668
Chloroform	ND		5.00	1	10/04/2016 17:12	WG913668
Chloromethane	ND		2.50	1	10/04/2016 17:12	WG913668
2-Chlorotoluene	ND		1.00	1	10/04/2016 17:12	WG913668
4-Chlorotoluene	ND		1.00	1	10/04/2016 17:12	WG913668
1,2-Dibromo-3-Chloropropane	ND		5.00	1	10/04/2016 17:12	WG913668
1,2-Dibromoethane	ND	J4	1.00	1	10/04/2016 17:12	WG913668
Dibromomethane	ND		1.00	1	10/04/2016 17:12	WG913668
1,2-Dichlorobenzene	ND		1.00	1	10/04/2016 17:12	WG913668
1,3-Dichlorobenzene	ND		1.00	1	10/04/2016 17:12	WG913668
1,4-Dichlorobenzene	ND		1.00	1	10/04/2016 17:12	WG913668
Dichlorodifluoromethane	ND		5.00	1	10/04/2016 17:12	WG913668
1,1-Dichloroethane	ND		1.00	1	10/04/2016 17:12	WG913668
1,2-Dichloroethane	ND		1.00	1	10/04/2016 17:12	WG913668
1,1-Dichloroethene	ND		1.00	1	10/04/2016 17:12	WG913668
cis-1,2-Dichloroethene	ND		1.00	1	10/04/2016 17:12	WG913668
trans-1,2-Dichloroethene	ND		1.00	1	10/04/2016 17:12	WG913668
1,2-Dichloropropane	ND		1.00	1	10/04/2016 17:12	WG913668
1,1-Dichloropropene	ND		1.00	1	10/04/2016 17:12	WG913668
1,3-Dichloropropane	ND	J4	1.00	1	10/04/2016 17:12	WG913668
cis-1,3-Dichloropropene	ND		1.00	1	10/04/2016 17:12	WG913668
trans-1,3-Dichloropropene	ND		1.00	1	10/04/2016 17:12	WG913668
2,2-Dichloropropane	ND		1.00	1	10/04/2016 17:12	WG913668
Di-isopropyl ether	ND		1.00	1	10/04/2016 17:12	WG913668
Ethylbenzene	ND		1.00	1	10/04/2016 17:12	WG913668
Hexachloro-1,3-butadiene	ND		1.00	1	10/04/2016 17:12	WG913668
Isopropylbenzene	ND		1.00	1	10/04/2016 17:12	WG913668
p-Isopropyltoluene	ND		1.00	1	10/04/2016 17:12	WG913668
2-Butanone (MEK)	ND		10.0	1	10/04/2016 17:12	WG913668
Methylene Chloride	ND		5.00	1	10/04/2016 17:12	WG913668
4-Methyl-2-pentanone (MIBK)	ND		10.0	1	10/04/2016 17:12	WG913668
Methyl tert-butyl ether	ND	J4	1.00	1	10/04/2016 17:12	WG913668
Naphthalene	ND		5.00	1	10/04/2016 17:12	WG913668
n-Propylbenzene	ND		1.00	1	10/04/2016 17:12	WG913668
Styrene	ND		1.00	1	10/04/2016 17:12	WG913668
1,1,1,2-Tetrachloroethane	ND		1.00	1	10/04/2016 17:12	WG913668
1,1,2,2-Tetrachloroethane	ND		1.00	1	10/04/2016 17:12	WG913668
1,1,2-Trichlorotrifluoroethane	ND	J4	1.00	1	10/04/2016 17:12	WG913668
Tetrachloroethene	ND		1.00	1	10/04/2016 17:12	WG913668
Toluene	ND		5.00	1	10/04/2016 17:12	WG913668
1,2,3-Trichlorobenzene	ND		1.00	1	10/04/2016 17:12	WG913668

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result ug/l	Qualifier	RDL ug/l	Dilution	Analysis date / time	Batch
1,2,4-Trichlorobenzene	ND		1.00	1	10/04/2016 17:12	WG913668
1,1,1-Trichloroethane	ND		1.00	1	10/04/2016 17:12	WG913668
1,1,2-Trichloroethane	ND		1.00	1	10/04/2016 17:12	WG913668
Trichloroethene	ND		1.00	1	10/04/2016 17:12	WG913668
Trichlorofluoromethane	ND		5.00	1	10/04/2016 17:12	WG913668
1,2,3-Trichloropropane	ND		2.50	1	10/04/2016 17:12	WG913668
1,2,4-Trimethylbenzene	ND		1.00	1	10/04/2016 17:12	WG913668
1,2,3-Trimethylbenzene	ND		1.00	1	10/04/2016 17:12	WG913668
1,3,5-Trimethylbenzene	ND		1.00	1	10/04/2016 17:12	WG913668
Vinyl chloride	ND		1.00	1	10/04/2016 17:12	WG913668
Xylenes, Total	ND		3.00	1	10/04/2016 17:12	WG913668
(S) Toluene-d8	*100*		*90.0-115*		*10/04/2016 17:12*	WG913668
(S) Dibromofluoromethane	*88.6*		*79.0-121*		*10/04/2016 17:12*	WG913668
(S) 4-Bromofluorobenzene	*106*		*80.1-120*		*10/04/2016 17:12*	WG913668

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result ug/l	Qualifier	RDL ug/l	Dilution	Analysis date / time	Batch
Acetone	ND		50.0	1	10/04/2016 17:34	WG913668
Acrolein	ND		50.0	1	10/04/2016 17:34	WG913668
Acrylonitrile	ND		10.0	1	10/04/2016 17:34	WG913668
Benzene	ND		1.00	1	10/04/2016 17:34	WG913668
Bromobenzene	ND		1.00	1	10/04/2016 17:34	WG913668
Bromodichloromethane	ND		1.00	1	10/04/2016 17:34	WG913668
Bromoform	ND		1.00	1	10/04/2016 17:34	WG913668
Bromomethane	ND		5.00	1	10/04/2016 17:34	WG913668
n-Butylbenzene	ND		1.00	1	10/04/2016 17:34	WG913668
sec-Butylbenzene	ND		1.00	1	10/04/2016 17:34	WG913668
tert-Butylbenzene	ND		1.00	1	10/04/2016 17:34	WG913668
Carbon tetrachloride	ND		1.00	1	10/04/2016 17:34	WG913668
Chlorobenzene	ND		1.00	1	10/04/2016 17:34	WG913668
Chlorodibromomethane	ND		1.00	1	10/04/2016 17:34	WG913668
Chloroethane	ND		5.00	1	10/04/2016 17:34	WG913668
2-Chloroethyl vinyl ether	ND		50.0	1	10/04/2016 17:34	WG913668
Chloroform	ND		5.00	1	10/04/2016 17:34	WG913668
Chloromethane	ND		2.50	1	10/04/2016 17:34	WG913668
2-Chlorotoluene	ND		1.00	1	10/04/2016 17:34	WG913668
4-Chlorotoluene	ND		1.00	1	10/04/2016 17:34	WG913668
1,2-Dibromo-3-Chloropropane	ND		5.00	1	10/04/2016 17:34	WG913668
1,2-Dibromoethane	ND	J4	1.00	1	10/04/2016 17:34	WG913668
Dibromomethane	ND		1.00	1	10/04/2016 17:34	WG913668
1,2-Dichlorobenzene	ND		1.00	1	10/04/2016 17:34	WG913668
1,3-Dichlorobenzene	ND		1.00	1	10/04/2016 17:34	WG913668
1,4-Dichlorobenzene	ND		1.00	1	10/04/2016 17:34	WG913668
Dichlorodifluoromethane	ND		5.00	1	10/04/2016 17:34	WG913668
1,1-Dichloroethane	ND		1.00	1	10/04/2016 17:34	WG913668
1,2-Dichloroethane	ND		1.00	1	10/04/2016 17:34	WG913668
1,1-Dichloroethene	ND		1.00	1	10/04/2016 17:34	WG913668
cis-1,2-Dichloroethene	ND		1.00	1	10/04/2016 17:34	WG913668
trans-1,2-Dichloroethene	ND		1.00	1	10/04/2016 17:34	WG913668
1,2-Dichloropropane	ND		1.00	1	10/04/2016 17:34	WG913668
1,1-Dichloropropene	ND		1.00	1	10/04/2016 17:34	WG913668
1,3-Dichloropropane	ND	J4	1.00	1	10/04/2016 17:34	WG913668
cis-1,3-Dichloropropene	ND		1.00	1	10/04/2016 17:34	WG913668
trans-1,3-Dichloropropene	ND		1.00	1	10/04/2016 17:34	WG913668
2,2-Dichloropropane	ND		1.00	1	10/04/2016 17:34	WG913668
Di-isopropyl ether	ND		1.00	1	10/04/2016 17:34	WG913668
Ethylbenzene	ND		1.00	1	10/04/2016 17:34	WG913668
Hexachloro-1,3-butadiene	ND		1.00	1	10/04/2016 17:34	WG913668
Isopropylbenzene	ND		1.00	1	10/04/2016 17:34	WG913668
p-Isopropyltoluene	ND		1.00	1	10/04/2016 17:34	WG913668
2-Butanone (MEK)	ND		10.0	1	10/04/2016 17:34	WG913668
Methylene Chloride	ND		5.00	1	10/04/2016 17:34	WG913668
4-Methyl-2-pentanone (MIBK)	ND		10.0	1	10/04/2016 17:34	WG913668
Methyl tert-butyl ether	ND	J4	1.00	1	10/04/2016 17:34	WG913668
Naphthalene	ND		5.00	1	10/04/2016 17:34	WG913668
n-Propylbenzene	ND		1.00	1	10/04/2016 17:34	WG913668
Styrene	ND		1.00	1	10/04/2016 17:34	WG913668
1,1,1,2-Tetrachloroethane	ND		1.00	1	10/04/2016 17:34	WG913668
1,1,2,2-Tetrachloroethane	ND		1.00	1	10/04/2016 17:34	WG913668
1,1,2-Trichlorotrifluoroethane	ND	J4	1.00	1	10/04/2016 17:34	WG913668
Tetrachloroethene	ND		1.00	1	10/04/2016 17:34	WG913668
Toluene	ND		5.00	1	10/04/2016 17:34	WG913668
1,2,3-Trichlorobenzene	ND		1.00	1	10/04/2016 17:34	WG913668

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result ug/l	Qualifier	RDL ug/l	Dilution	Analysis date / time	Batch
1,2,4-Trichlorobenzene	ND		1.00	1	10/04/2016 17:34	WG913668
1,1,1-Trichloroethane	ND		1.00	1	10/04/2016 17:34	WG913668
1,1,2-Trichloroethane	ND		1.00	1	10/04/2016 17:34	WG913668
Trichloroethene	ND		1.00	1	10/04/2016 17:34	WG913668
Trichlorofluoromethane	ND		5.00	1	10/04/2016 17:34	WG913668
1,2,3-Trichloropropane	ND		2.50	1	10/04/2016 17:34	WG913668
1,2,4-Trimethylbenzene	ND		1.00	1	10/04/2016 17:34	WG913668
1,2,3-Trimethylbenzene	ND		1.00	1	10/04/2016 17:34	WG913668
1,3,5-Trimethylbenzene	ND		1.00	1	10/04/2016 17:34	WG913668
Vinyl chloride	ND		1.00	1	10/04/2016 17:34	WG913668
Xylenes, Total	ND		3.00	1	10/04/2016 17:34	WG913668
(S) Toluene-d8	*99.9*		*90.0-115*		*10/04/2016 17:34*	WG913668
(S) Dibromofluoromethane	*89.5*		*79.0-121*		*10/04/2016 17:34*	WG913668
(S) 4-Bromofluorobenzene	*105*		*80.1-120*		*10/04/2016 17:34*	WG913668

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result ug/l	Qualifier	RDL ug/l	Dilution	Analysis date / time	Batch
Acetone	ND		50.0	1	10/04/2016 17:55	WG913668
Acrolein	ND		50.0	1	10/04/2016 17:55	WG913668
Acrylonitrile	ND		10.0	1	10/04/2016 17:55	WG913668
Benzene	ND		1.00	1	10/04/2016 17:55	WG913668
Bromobenzene	ND		1.00	1	10/04/2016 17:55	WG913668
Bromodichloromethane	ND		1.00	1	10/04/2016 17:55	WG913668
Bromoform	ND		1.00	1	10/04/2016 17:55	WG913668
Bromomethane	ND		5.00	1	10/04/2016 17:55	WG913668
n-Butylbenzene	ND		1.00	1	10/04/2016 17:55	WG913668
sec-Butylbenzene	ND		1.00	1	10/04/2016 17:55	WG913668
tert-Butylbenzene	ND		1.00	1	10/04/2016 17:55	WG913668
Carbon tetrachloride	ND		1.00	1	10/04/2016 17:55	WG913668
Chlorobenzene	ND		1.00	1	10/04/2016 17:55	WG913668
Chlorodibromomethane	ND		1.00	1	10/04/2016 17:55	WG913668
Chloroethane	ND		5.00	1	10/04/2016 17:55	WG913668
2-Chloroethyl vinyl ether	ND		50.0	1	10/04/2016 17:55	WG913668
Chloroform	ND		5.00	1	10/04/2016 17:55	WG913668
Chloromethane	ND		2.50	1	10/04/2016 17:55	WG913668
2-Chlorotoluene	ND		1.00	1	10/04/2016 17:55	WG913668
4-Chlorotoluene	ND		1.00	1	10/04/2016 17:55	WG913668
1,2-Dibromo-3-Chloropropane	ND		5.00	1	10/04/2016 17:55	WG913668
1,2-Dibromoethane	ND	J4	1.00	1	10/04/2016 17:55	WG913668
Dibromomethane	ND		1.00	1	10/04/2016 17:55	WG913668
1,2-Dichlorobenzene	ND		1.00	1	10/04/2016 17:55	WG913668
1,3-Dichlorobenzene	ND		1.00	1	10/04/2016 17:55	WG913668
1,4-Dichlorobenzene	ND		1.00	1	10/04/2016 17:55	WG913668
Dichlorodifluoromethane	ND		5.00	1	10/04/2016 17:55	WG913668
1,1-Dichloroethane	ND		1.00	1	10/04/2016 17:55	WG913668
1,2-Dichloroethane	ND		1.00	1	10/04/2016 17:55	WG913668
1,1-Dichloroethene	ND		1.00	1	10/04/2016 17:55	WG913668
cis-1,2-Dichloroethene	ND		1.00	1	10/04/2016 17:55	WG913668
trans-1,2-Dichloroethene	ND		1.00	1	10/04/2016 17:55	WG913668
1,2-Dichloropropane	ND		1.00	1	10/04/2016 17:55	WG913668
1,1-Dichloropropene	ND		1.00	1	10/04/2016 17:55	WG913668
1,3-Dichloropropane	ND	J4	1.00	1	10/04/2016 17:55	WG913668
cis-1,3-Dichloropropene	ND		1.00	1	10/04/2016 17:55	WG913668
trans-1,3-Dichloropropene	ND		1.00	1	10/04/2016 17:55	WG913668
2,2-Dichloropropane	ND		1.00	1	10/04/2016 17:55	WG913668
Di-isopropyl ether	ND		1.00	1	10/04/2016 17:55	WG913668
Ethylbenzene	ND		1.00	1	10/04/2016 17:55	WG913668
Hexachloro-1,3-butadiene	ND		1.00	1	10/04/2016 17:55	WG913668
Isopropylbenzene	ND		1.00	1	10/04/2016 17:55	WG913668
p-Isopropyltoluene	ND		1.00	1	10/04/2016 17:55	WG913668
2-Butanone (MEK)	ND		10.0	1	10/04/2016 17:55	WG913668
Methylene Chloride	ND		5.00	1	10/04/2016 17:55	WG913668
4-Methyl-2-pentanone (MIBK)	ND		10.0	1	10/04/2016 17:55	WG913668
Methyl tert-butyl ether	1.53	J4	1.00	1	10/04/2016 17:55	WG913668
Naphthalene	ND		5.00	1	10/04/2016 17:55	WG913668
n-Propylbenzene	ND		1.00	1	10/04/2016 17:55	WG913668
Styrene	ND		1.00	1	10/04/2016 17:55	WG913668
1,1,1,2-Tetrachloroethane	ND		1.00	1	10/04/2016 17:55	WG913668
1,1,2,2-Tetrachloroethane	ND		1.00	1	10/04/2016 17:55	WG913668
1,1,2-Trichlorotrifluoroethane	ND	J4	1.00	1	10/04/2016 17:55	WG913668
Tetrachloroethene	ND		1.00	1	10/04/2016 17:55	WG913668
Toluene	ND		5.00	1	10/04/2016 17:55	WG913668
1,2,3-Trichlorobenzene	ND		1.00	1	10/04/2016 17:55	WG913668

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result ug/l	Qualifier	RDL ug/l	Dilution	Analysis date / time	Batch
1,2,4-Trichlorobenzene	ND		1.00	1	10/04/2016 17:55	WG913668
1,1,1-Trichloroethane	ND		1.00	1	10/04/2016 17:55	WG913668
1,1,2-Trichloroethane	ND		1.00	1	10/04/2016 17:55	WG913668
Trichloroethene	ND		1.00	1	10/04/2016 17:55	WG913668
Trichlorofluoromethane	ND		5.00	1	10/04/2016 17:55	WG913668
1,2,3-Trichloropropane	ND		2.50	1	10/04/2016 17:55	WG913668
1,2,4-Trimethylbenzene	ND		1.00	1	10/04/2016 17:55	WG913668
1,2,3-Trimethylbenzene	ND		1.00	1	10/04/2016 17:55	WG913668
1,3,5-Trimethylbenzene	ND		1.00	1	10/04/2016 17:55	WG913668
Vinyl chloride	ND		1.00	1	10/04/2016 17:55	WG913668
Xylenes, Total	ND		3.00	1	10/04/2016 17:55	WG913668
(S) Toluene-d8	*99.6*		*90.0-115*		*10/04/2016 17:55*	WG913668
(S) Dibromofluoromethane	*88.0*		*79.0-121*		*10/04/2016 17:55*	WG913668
(S) 4-Bromofluorobenzene	*105*		*80.1-120*		*10/04/2016 17:55*	WG913668

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result ug/l	Qualifier	RDL ug/l	Dilution	Analysis date / time	Batch
Acetone	ND		250	5	10/04/2016 18:17	WG913668
Acrolein	ND		250	5	10/04/2016 18:17	WG913668
Acrylonitrile	ND		50.0	5	10/04/2016 18:17	WG913668
Benzene	1500		100	100	10/06/2016 01:58	WG913668
Bromobenzene	ND		5.00	5	10/04/2016 18:17	WG913668
Bromodichloromethane	ND		5.00	5	10/04/2016 18:17	WG913668
Bromoform	ND		5.00	5	10/04/2016 18:17	WG913668
Bromomethane	ND		25.0	5	10/04/2016 18:17	WG913668
n-Butylbenzene	6.51		5.00	5	10/04/2016 18:17	WG913668
sec-Butylbenzene	8.06		5.00	5	10/04/2016 18:17	WG913668
tert-Butylbenzene	ND		5.00	5	10/04/2016 18:17	WG913668
Carbon tetrachloride	ND		5.00	5	10/04/2016 18:17	WG913668
Chlorobenzene	ND		5.00	5	10/04/2016 18:17	WG913668
Chlorodibromomethane	ND		5.00	5	10/04/2016 18:17	WG913668
Chloroethane	ND		25.0	5	10/04/2016 18:17	WG913668
2-Chloroethyl vinyl ether	ND		250	5	10/04/2016 18:17	WG913668
Chloroform	ND		25.0	5	10/04/2016 18:17	WG913668
Chloromethane	ND		12.5	5	10/04/2016 18:17	WG913668
2-Chlorotoluene	ND		5.00	5	10/04/2016 18:17	WG913668
4-Chlorotoluene	ND		5.00	5	10/04/2016 18:17	WG913668
1,2-Dibromo-3-Chloropropane	ND		25.0	5	10/04/2016 18:17	WG913668
1,2-Dibromoethane	ND	J4	5.00	5	10/04/2016 18:17	WG913668
Dibromomethane	ND		5.00	5	10/04/2016 18:17	WG913668
1,2-Dichlorobenzene	ND		5.00	5	10/04/2016 18:17	WG913668
1,3-Dichlorobenzene	ND		5.00	5	10/04/2016 18:17	WG913668
1,4-Dichlorobenzene	ND		5.00	5	10/04/2016 18:17	WG913668
Dichlorodifluoromethane	ND		25.0	5	10/04/2016 18:17	WG913668
1,1-Dichloroethane	ND		5.00	5	10/04/2016 18:17	WG913668
1,2-Dichloroethane	ND		5.00	5	10/04/2016 18:17	WG913668
1,1-Dichloroethene	ND		5.00	5	10/04/2016 18:17	WG913668
cis-1,2-Dichloroethene	ND		5.00	5	10/04/2016 18:17	WG913668
trans-1,2-Dichloroethene	ND		5.00	5	10/04/2016 18:17	WG913668
1,2-Dichloropropane	ND		5.00	5	10/04/2016 18:17	WG913668
1,1-Dichloropropene	ND		5.00	5	10/04/2016 18:17	WG913668
1,3-Dichloropropane	ND	J4	5.00	5	10/04/2016 18:17	WG913668
cis-1,3-Dichloropropene	ND		5.00	5	10/04/2016 18:17	WG913668
trans-1,3-Dichloropropene	ND		5.00	5	10/04/2016 18:17	WG913668
2,2-Dichloropropane	ND		5.00	5	10/04/2016 18:17	WG913668
Di-isopropyl ether	ND		5.00	5	10/04/2016 18:17	WG913668
Ethylbenzene	742		5.00	5	10/04/2016 18:17	WG913668
Hexachloro-1,3-butadiene	ND		5.00	5	10/04/2016 18:17	WG913668
Isopropylbenzene	45.6		5.00	5	10/04/2016 18:17	WG913668
p-Isopropyltoluene	ND		5.00	5	10/04/2016 18:17	WG913668
2-Butanone (MEK)	ND		50.0	5	10/04/2016 18:17	WG913668
Methylene Chloride	ND		25.0	5	10/04/2016 18:17	WG913668
4-Methyl-2-pentanone (MIBK)	ND		50.0	5	10/04/2016 18:17	WG913668
Methyl tert-butyl ether	ND	J4	5.00	5	10/04/2016 18:17	WG913668
Naphthalene	187		25.0	5	10/04/2016 18:17	WG913668
n-Propylbenzene	117		5.00	5	10/04/2016 18:17	WG913668
Styrene	ND		5.00	5	10/04/2016 18:17	WG913668
1,1,1,2-Tetrachloroethane	ND		5.00	5	10/04/2016 18:17	WG913668
1,1,2,2-Tetrachloroethane	ND		5.00	5	10/04/2016 18:17	WG913668
1,1,2-Trichlorotrifluoroethane	ND	J4	5.00	5	10/04/2016 18:17	WG913668
Tetrachloroethene	ND		5.00	5	10/04/2016 18:17	WG913668
Toluene	2060		500	100	10/06/2016 01:58	WG913668
1,2,3-Trichlorobenzene	ND		5.00	5	10/04/2016 18:17	WG913668

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result ug/l	Qualifier	RDL ug/l	Dilution	Analysis date / time	Batch
1,2,4-Trichlorobenzene	ND		5.00	5	10/04/2016 18:17	WG913668
1,1,1-Trichloroethane	ND		5.00	5	10/04/2016 18:17	WG913668
1,1,2-Trichloroethane	ND		5.00	5	10/04/2016 18:17	WG913668
Trichloroethene	ND		5.00	5	10/04/2016 18:17	WG913668
Trichlorofluoromethane	ND		25.0	5	10/04/2016 18:17	WG913668
1,2,3-Trichloropropane	ND		12.5	5	10/04/2016 18:17	WG913668
1,2,4-Trimethylbenzene	1070		100	100	10/06/2016 01:58	WG913668
1,2,3-Trimethylbenzene	237		5.00	5	10/04/2016 18:17	WG913668
1,3,5-Trimethylbenzene	302		5.00	5	10/04/2016 18:17	WG913668
Vinyl chloride	ND		5.00	5	10/04/2016 18:17	WG913668
Xylenes, Total	1920		15.0	5	10/04/2016 18:17	WG913668
(S) Toluene-d8	*97.1*		*90.0-115*		*10/04/2016 18:17*	WG913668
(S) Toluene-d8	*101*		*90.0-115*		*10/06/2016 01:58*	WG913668
(S) Dibromofluoromethane	*98.7*		*79.0-121*		*10/06/2016 01:58*	WG913668
(S) Dibromofluoromethane	*90.3*		*79.0-121*		*10/04/2016 18:17*	WG913668
(S) 4-Bromofluorobenzene	*101*		*80.1-120*		*10/04/2016 18:17*	WG913668
(S) 4-Bromofluorobenzene	*102*		*80.1-120*		*10/06/2016 01:58*	WG913668

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result ug/l	Qualifier	RDL ug/l	Dilution	Analysis date / time	Batch
Acetone	ND		50.0	1	10/04/2016 18:39	WG913668
Acrolein	ND		50.0	1	10/04/2016 18:39	WG913668
Acrylonitrile	ND		10.0	1	10/04/2016 18:39	WG913668
Benzene	20.4		1.00	1	10/04/2016 18:39	WG913668
Bromobenzene	ND		1.00	1	10/04/2016 18:39	WG913668
Bromodichloromethane	ND		1.00	1	10/04/2016 18:39	WG913668
Bromoform	ND		1.00	1	10/04/2016 18:39	WG913668
Bromomethane	ND		5.00	1	10/04/2016 18:39	WG913668
n-Butylbenzene	ND		1.00	1	10/04/2016 18:39	WG913668
sec-Butylbenzene	1.14		1.00	1	10/04/2016 18:39	WG913668
tert-Butylbenzene	ND		1.00	1	10/04/2016 18:39	WG913668
Carbon tetrachloride	ND		1.00	1	10/04/2016 18:39	WG913668
Chlorobenzene	ND		1.00	1	10/04/2016 18:39	WG913668
Chlorodibromomethane	ND		1.00	1	10/04/2016 18:39	WG913668
Chloroethane	ND		5.00	1	10/04/2016 18:39	WG913668
2-Chloroethyl vinyl ether	ND		50.0	1	10/04/2016 18:39	WG913668
Chloroform	ND		5.00	1	10/04/2016 18:39	WG913668
Chloromethane	ND		2.50	1	10/04/2016 18:39	WG913668
2-Chlorotoluene	ND		1.00	1	10/04/2016 18:39	WG913668
4-Chlorotoluene	ND		1.00	1	10/04/2016 18:39	WG913668
1,2-Dibromo-3-Chloropropane	ND		5.00	1	10/04/2016 18:39	WG913668
1,2-Dibromoethane	ND	J4	1.00	1	10/04/2016 18:39	WG913668
Dibromomethane	ND		1.00	1	10/04/2016 18:39	WG913668
1,2-Dichlorobenzene	ND		1.00	1	10/04/2016 18:39	WG913668
1,3-Dichlorobenzene	ND		1.00	1	10/04/2016 18:39	WG913668
1,4-Dichlorobenzene	ND		1.00	1	10/04/2016 18:39	WG913668
Dichlorodifluoromethane	ND		5.00	1	10/04/2016 18:39	WG913668
1,1-Dichloroethane	ND		1.00	1	10/04/2016 18:39	WG913668
1,2-Dichloroethane	ND		1.00	1	10/04/2016 18:39	WG913668
1,1-Dichloroethene	ND		1.00	1	10/04/2016 18:39	WG913668
cis-1,2-Dichloroethene	ND		1.00	1	10/04/2016 18:39	WG913668
trans-1,2-Dichloroethene	ND		1.00	1	10/04/2016 18:39	WG913668
1,2-Dichloropropane	ND		1.00	1	10/04/2016 18:39	WG913668
1,1-Dichloropropene	ND		1.00	1	10/04/2016 18:39	WG913668
1,3-Dichloropropane	ND	J4	1.00	1	10/04/2016 18:39	WG913668
cis-1,3-Dichloropropene	ND		1.00	1	10/04/2016 18:39	WG913668
trans-1,3-Dichloropropene	ND		1.00	1	10/04/2016 18:39	WG913668
2,2-Dichloropropane	ND		1.00	1	10/04/2016 18:39	WG913668
Di-isopropyl ether	ND		1.00	1	10/04/2016 18:39	WG913668
Ethylbenzene	17.0		1.00	1	10/04/2016 18:39	WG913668
Hexachloro-1,3-butadiene	ND		1.00	1	10/04/2016 18:39	WG913668
Isopropylbenzene	2.84		1.00	1	10/04/2016 18:39	WG913668
p-Isopropyltoluene	ND		1.00	1	10/04/2016 18:39	WG913668
2-Butanone (MEK)	ND		10.0	1	10/04/2016 18:39	WG913668
Methylene Chloride	ND		5.00	1	10/04/2016 18:39	WG913668
4-Methyl-2-pentanone (MIBK)	ND		10.0	1	10/04/2016 18:39	WG913668
Methyl tert-butyl ether	ND	J4	1.00	1	10/04/2016 18:39	WG913668
Naphthalene	ND		5.00	1	10/04/2016 18:39	WG913668
n-Propylbenzene	6.39		1.00	1	10/04/2016 18:39	WG913668
Styrene	ND		1.00	1	10/04/2016 18:39	WG913668
1,1,1,2-Tetrachloroethane	ND		1.00	1	10/04/2016 18:39	WG913668
1,1,2,2-Tetrachloroethane	ND		1.00	1	10/04/2016 18:39	WG913668
1,1,2-Trichlorotrifluoroethane	ND	J4	1.00	1	10/04/2016 18:39	WG913668
Tetrachloroethene	ND		1.00	1	10/04/2016 18:39	WG913668
Toluene	8.45		5.00	1	10/06/2016 02:10	WG913668
1,2,3-Trichlorobenzene	ND		1.00	1	10/04/2016 18:39	WG913668

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result ug/l	Qualifier	RDL ug/l	Dilution	Analysis date / time	Batch
1,2,4-Trichlorobenzene	ND		1.00	1	10/04/2016 18:39	WG913668
1,1,1-Trichloroethane	ND		1.00	1	10/04/2016 18:39	WG913668
1,1,2-Trichloroethane	ND		1.00	1	10/04/2016 18:39	WG913668
Trichloroethene	ND		1.00	1	10/04/2016 18:39	WG913668
Trichlorofluoromethane	ND		5.00	1	10/04/2016 18:39	WG913668
1,2,3-Trichloropropane	ND		2.50	1	10/04/2016 18:39	WG913668
1,2,4-Trimethylbenzene	3.65		1.00	1	10/06/2016 02:10	WG913668
1,2,3-Trimethylbenzene	4.40		1.00	1	10/04/2016 18:39	WG913668
1,3,5-Trimethylbenzene	1.52		1.00	1	10/04/2016 18:39	WG913668
Vinyl chloride	ND		1.00	1	10/04/2016 18:39	WG913668
Xylenes, Total	32.9		3.00	1	10/04/2016 18:39	WG913668
(S) Toluene-d8	*99.4*		*90.0-115*		*10/04/2016 18:39*	WG913668
(S) Toluene-d8	*101*		*90.0-115*		*10/06/2016 02:10*	WG913668
(S) Dibromofluoromethane	*101*		*79.0-121*		*10/06/2016 02:10*	WG913668
(S) Dibromofluoromethane	*88.7*		*79.0-121*		*10/04/2016 18:39*	WG913668
(S) 4-Bromofluorobenzene	*103*		*80.1-120*		*10/04/2016 18:39*	WG913668
(S) 4-Bromofluorobenzene	*94.9*		*80.1-120*		*10/06/2016 02:10*	WG913668

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result ug/l	Qualifier	RDL ug/l	Dilution	Analysis date / time	Batch
Acetone	ND		50.0	1	10/04/2016 19:00	WG913668
Acrolein	ND		50.0	1	10/04/2016 19:00	WG913668
Acrylonitrile	ND		10.0	1	10/04/2016 19:00	WG913668
Benzene	ND		1.00	1	10/04/2016 19:00	WG913668
Bromobenzene	ND		1.00	1	10/04/2016 19:00	WG913668
Bromodichloromethane	ND		1.00	1	10/04/2016 19:00	WG913668
Bromoform	ND		1.00	1	10/04/2016 19:00	WG913668
Bromomethane	ND		5.00	1	10/04/2016 19:00	WG913668
n-Butylbenzene	ND		1.00	1	10/04/2016 19:00	WG913668
sec-Butylbenzene	ND		1.00	1	10/04/2016 19:00	WG913668
tert-Butylbenzene	ND		1.00	1	10/04/2016 19:00	WG913668
Carbon tetrachloride	ND		1.00	1	10/04/2016 19:00	WG913668
Chlorobenzene	ND		1.00	1	10/04/2016 19:00	WG913668
Chlorodibromomethane	ND		1.00	1	10/04/2016 19:00	WG913668
Chloroethane	ND		5.00	1	10/04/2016 19:00	WG913668
2-Chloroethyl vinyl ether	ND		50.0	1	10/04/2016 19:00	WG913668
Chloroform	ND		5.00	1	10/04/2016 19:00	WG913668
Chloromethane	ND		2.50	1	10/04/2016 19:00	WG913668
2-Chlorotoluene	ND		1.00	1	10/04/2016 19:00	WG913668
4-Chlorotoluene	ND		1.00	1	10/04/2016 19:00	WG913668
1,2-Dibromo-3-Chloropropane	ND		5.00	1	10/04/2016 19:00	WG913668
1,2-Dibromoethane	ND	J4	1.00	1	10/04/2016 19:00	WG913668
Dibromomethane	ND		1.00	1	10/04/2016 19:00	WG913668
1,2-Dichlorobenzene	ND		1.00	1	10/04/2016 19:00	WG913668
1,3-Dichlorobenzene	ND		1.00	1	10/04/2016 19:00	WG913668
1,4-Dichlorobenzene	ND		1.00	1	10/04/2016 19:00	WG913668
Dichlorodifluoromethane	ND		5.00	1	10/04/2016 19:00	WG913668
1,1-Dichloroethane	ND		1.00	1	10/04/2016 19:00	WG913668
1,2-Dichloroethane	ND		1.00	1	10/04/2016 19:00	WG913668
1,1-Dichloroethene	ND		1.00	1	10/04/2016 19:00	WG913668
cis-1,2-Dichloroethene	ND		1.00	1	10/04/2016 19:00	WG913668
trans-1,2-Dichloroethene	ND		1.00	1	10/04/2016 19:00	WG913668
1,2-Dichloropropane	ND		1.00	1	10/04/2016 19:00	WG913668
1,1-Dichloropropene	ND		1.00	1	10/04/2016 19:00	WG913668
1,3-Dichloropropane	ND	J4	1.00	1	10/04/2016 19:00	WG913668
cis-1,3-Dichloropropene	ND		1.00	1	10/04/2016 19:00	WG913668
trans-1,3-Dichloropropene	ND		1.00	1	10/04/2016 19:00	WG913668
2,2-Dichloropropane	ND		1.00	1	10/04/2016 19:00	WG913668
Di-isopropyl ether	ND		1.00	1	10/04/2016 19:00	WG913668
Ethylbenzene	ND		1.00	1	10/04/2016 19:00	WG913668
Hexachloro-1,3-butadiene	ND		1.00	1	10/04/2016 19:00	WG913668
Isopropylbenzene	ND		1.00	1	10/04/2016 19:00	WG913668
p-Isopropyltoluene	ND		1.00	1	10/04/2016 19:00	WG913668
2-Butanone (MEK)	ND		10.0	1	10/04/2016 19:00	WG913668
Methylene Chloride	ND		5.00	1	10/04/2016 19:00	WG913668
4-Methyl-2-pentanone (MIBK)	ND		10.0	1	10/04/2016 19:00	WG913668
Methyl tert-butyl ether	ND	J4	1.00	1	10/04/2016 19:00	WG913668
Naphthalene	ND		5.00	1	10/04/2016 19:00	WG913668
n-Propylbenzene	ND		1.00	1	10/04/2016 19:00	WG913668
Styrene	ND		1.00	1	10/04/2016 19:00	WG913668
1,1,1,2-Tetrachloroethane	ND		1.00	1	10/04/2016 19:00	WG913668
1,1,2,2-Tetrachloroethane	ND		1.00	1	10/04/2016 19:00	WG913668
1,1,2-Trichlorotrifluoroethane	ND	J4	1.00	1	10/04/2016 19:00	WG913668
Tetrachloroethene	ND		1.00	1	10/04/2016 19:00	WG913668
Toluene	ND		5.00	1	10/04/2016 19:00	WG913668
1,2,3-Trichlorobenzene	ND		1.00	1	10/04/2016 19:00	WG913668

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result ug/l	Qualifier	RDL ug/l	Dilution	Analysis date / time	Batch
1,2,4-Trichlorobenzene	ND		1.00	1	10/04/2016 19:00	WG913668
1,1,1-Trichloroethane	ND		1.00	1	10/04/2016 19:00	WG913668
1,1,2-Trichloroethane	ND		1.00	1	10/04/2016 19:00	WG913668
Trichloroethene	ND		1.00	1	10/04/2016 19:00	WG913668
Trichlorofluoromethane	ND		5.00	1	10/04/2016 19:00	WG913668
1,2,3-Trichloropropane	ND		2.50	1	10/04/2016 19:00	WG913668
1,2,4-Trimethylbenzene	ND		1.00	1	10/04/2016 19:00	WG913668
1,2,3-Trimethylbenzene	ND		1.00	1	10/04/2016 19:00	WG913668
1,3,5-Trimethylbenzene	ND		1.00	1	10/04/2016 19:00	WG913668
Vinyl chloride	ND		1.00	1	10/04/2016 19:00	WG913668
Xylenes, Total	ND		3.00	1	10/04/2016 19:00	WG913668
(S) Toluene-d8	*99.6*		*90.0-115*		*10/04/2016 19:00*	WG913668
(S) Dibromofluoromethane	*88.6*		*79.0-121*		*10/04/2016 19:00*	WG913668
(S) 4-Bromofluorobenzene	*106*		*80.1-120*		*10/04/2016 19:00*	WG913668

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result ug/l	Qualifier	RDL ug/l	Dilution	Analysis date / time	Batch
Acetone	ND		50.0	1	10/04/2016 19:22	WG913668
Acrolein	ND		50.0	1	10/04/2016 19:22	WG913668
Acrylonitrile	ND		10.0	1	10/04/2016 19:22	WG913668
Benzene	ND		1.00	1	10/04/2016 19:22	WG913668
Bromobenzene	ND		1.00	1	10/04/2016 19:22	WG913668
Bromodichloromethane	ND		1.00	1	10/04/2016 19:22	WG913668
Bromoform	ND		1.00	1	10/04/2016 19:22	WG913668
Bromomethane	ND		5.00	1	10/04/2016 19:22	WG913668
n-Butylbenzene	ND		1.00	1	10/04/2016 19:22	WG913668
sec-Butylbenzene	ND		1.00	1	10/04/2016 19:22	WG913668
tert-Butylbenzene	ND		1.00	1	10/04/2016 19:22	WG913668
Carbon tetrachloride	ND		1.00	1	10/04/2016 19:22	WG913668
Chlorobenzene	ND		1.00	1	10/04/2016 19:22	WG913668
Chlorodibromomethane	ND		1.00	1	10/04/2016 19:22	WG913668
Chloroethane	ND		5.00	1	10/04/2016 19:22	WG913668
2-Chloroethyl vinyl ether	ND		50.0	1	10/04/2016 19:22	WG913668
Chloroform	ND		5.00	1	10/04/2016 19:22	WG913668
Chloromethane	ND		2.50	1	10/04/2016 19:22	WG913668
2-Chlorotoluene	ND		1.00	1	10/04/2016 19:22	WG913668
4-Chlorotoluene	ND		1.00	1	10/04/2016 19:22	WG913668
1,2-Dibromo-3-Chloropropane	ND		5.00	1	10/04/2016 19:22	WG913668
1,2-Dibromoethane	ND	J4	1.00	1	10/04/2016 19:22	WG913668
Dibromomethane	ND		1.00	1	10/04/2016 19:22	WG913668
1,2-Dichlorobenzene	ND		1.00	1	10/04/2016 19:22	WG913668
1,3-Dichlorobenzene	ND		1.00	1	10/04/2016 19:22	WG913668
1,4-Dichlorobenzene	ND		1.00	1	10/04/2016 19:22	WG913668
Dichlorodifluoromethane	ND		5.00	1	10/04/2016 19:22	WG913668
1,1-Dichloroethane	ND		1.00	1	10/04/2016 19:22	WG913668
1,2-Dichloroethane	ND		1.00	1	10/04/2016 19:22	WG913668
1,1-Dichloroethene	ND		1.00	1	10/04/2016 19:22	WG913668
cis-1,2-Dichloroethene	ND		1.00	1	10/04/2016 19:22	WG913668
trans-1,2-Dichloroethene	ND		1.00	1	10/04/2016 19:22	WG913668
1,2-Dichloropropane	ND		1.00	1	10/04/2016 19:22	WG913668
1,1-Dichloropropene	ND		1.00	1	10/04/2016 19:22	WG913668
1,3-Dichloropropane	ND	J4	1.00	1	10/04/2016 19:22	WG913668
cis-1,3-Dichloropropene	ND		1.00	1	10/04/2016 19:22	WG913668
trans-1,3-Dichloropropene	ND		1.00	1	10/04/2016 19:22	WG913668
2,2-Dichloropropane	ND		1.00	1	10/04/2016 19:22	WG913668
Di-isopropyl ether	ND		1.00	1	10/04/2016 19:22	WG913668
Ethylbenzene	ND		1.00	1	10/04/2016 19:22	WG913668
Hexachloro-1,3-butadiene	ND		1.00	1	10/04/2016 19:22	WG913668
Isopropylbenzene	ND		1.00	1	10/04/2016 19:22	WG913668
p-Isopropyltoluene	ND		1.00	1	10/04/2016 19:22	WG913668
2-Butanone (MEK)	ND		10.0	1	10/04/2016 19:22	WG913668
Methylene Chloride	ND		5.00	1	10/04/2016 19:22	WG913668
4-Methyl-2-pentanone (MIBK)	ND		10.0	1	10/04/2016 19:22	WG913668
Methyl tert-butyl ether	ND	J4	1.00	1	10/04/2016 19:22	WG913668
Naphthalene	ND		5.00	1	10/04/2016 19:22	WG913668
n-Propylbenzene	ND		1.00	1	10/04/2016 19:22	WG913668
Styrene	ND		1.00	1	10/04/2016 19:22	WG913668
1,1,1,2-Tetrachloroethane	ND		1.00	1	10/04/2016 19:22	WG913668
1,1,2,2-Tetrachloroethane	ND		1.00	1	10/04/2016 19:22	WG913668
1,1,2-Trichlorotrifluoroethane	ND	J4	1.00	1	10/04/2016 19:22	WG913668
Tetrachloroethene	ND		1.00	1	10/04/2016 19:22	WG913668
Toluene	ND		5.00	1	10/04/2016 19:22	WG913668
1,2,3-Trichlorobenzene	ND		1.00	1	10/04/2016 19:22	WG913668

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result ug/l	Qualifier	RDL ug/l	Dilution	Analysis date / time	Batch
1,2,4-Trichlorobenzene	ND		1.00	1	10/04/2016 19:22	WG913668
1,1,1-Trichloroethane	ND		1.00	1	10/04/2016 19:22	WG913668
1,1,2-Trichloroethane	ND		1.00	1	10/04/2016 19:22	WG913668
Trichloroethene	ND		1.00	1	10/04/2016 19:22	WG913668
Trichlorofluoromethane	ND		5.00	1	10/04/2016 19:22	WG913668
1,2,3-Trichloropropane	ND		2.50	1	10/04/2016 19:22	WG913668
1,2,4-Trimethylbenzene	ND		1.00	1	10/04/2016 19:22	WG913668
1,2,3-Trimethylbenzene	ND		1.00	1	10/04/2016 19:22	WG913668
1,3,5-Trimethylbenzene	ND		1.00	1	10/04/2016 19:22	WG913668
Vinyl chloride	ND		1.00	1	10/04/2016 19:22	WG913668
Xylenes, Total	ND		3.00	1	10/04/2016 19:22	WG913668
(S) Toluene-d8	*99.0*		*90.0-115*		*10/04/2016 19:22*	WG913668
(S) Dibromofluoromethane	*88.1*		*79.0-121*		*10/04/2016 19:22*	WG913668
(S) 4-Bromofluorobenzene	*105*		*80.1-120*		*10/04/2016 19:22*	WG913668

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result ug/l	Qualifier	RDL ug/l	Dilution	Analysis date / time	Batch
Acetone	ND		50.0	1	10/04/2016 19:43	WG913668
Acrolein	ND		50.0	1	10/04/2016 19:43	WG913668
Acrylonitrile	ND		10.0	1	10/04/2016 19:43	WG913668
Benzene	ND		1.00	1	10/04/2016 19:43	WG913668
Bromobenzene	ND		1.00	1	10/04/2016 19:43	WG913668
Bromodichloromethane	ND		1.00	1	10/04/2016 19:43	WG913668
Bromoform	ND		1.00	1	10/04/2016 19:43	WG913668
Bromomethane	ND		5.00	1	10/04/2016 19:43	WG913668
n-Butylbenzene	ND		1.00	1	10/04/2016 19:43	WG913668
sec-Butylbenzene	ND		1.00	1	10/04/2016 19:43	WG913668
tert-Butylbenzene	ND		1.00	1	10/04/2016 19:43	WG913668
Carbon tetrachloride	ND		1.00	1	10/04/2016 19:43	WG913668
Chlorobenzene	ND		1.00	1	10/04/2016 19:43	WG913668
Chlorodibromomethane	ND		1.00	1	10/04/2016 19:43	WG913668
Chloroethane	ND		5.00	1	10/04/2016 19:43	WG913668
2-Chloroethyl vinyl ether	ND		50.0	1	10/04/2016 19:43	WG913668
Chloroform	ND		5.00	1	10/04/2016 19:43	WG913668
Chloromethane	ND		2.50	1	10/04/2016 19:43	WG913668
2-Chlorotoluene	ND		1.00	1	10/04/2016 19:43	WG913668
4-Chlorotoluene	ND		1.00	1	10/04/2016 19:43	WG913668
1,2-Dibromo-3-Chloropropane	ND		5.00	1	10/04/2016 19:43	WG913668
1,2-Dibromoethane	ND	J4	1.00	1	10/04/2016 19:43	WG913668
Dibromomethane	ND		1.00	1	10/04/2016 19:43	WG913668
1,2-Dichlorobenzene	ND		1.00	1	10/04/2016 19:43	WG913668
1,3-Dichlorobenzene	ND		1.00	1	10/04/2016 19:43	WG913668
1,4-Dichlorobenzene	ND		1.00	1	10/04/2016 19:43	WG913668
Dichlorodifluoromethane	ND		5.00	1	10/04/2016 19:43	WG913668
1,1-Dichloroethane	ND		1.00	1	10/04/2016 19:43	WG913668
1,2-Dichloroethane	ND		1.00	1	10/04/2016 19:43	WG913668
1,1-Dichloroethene	ND		1.00	1	10/04/2016 19:43	WG913668
cis-1,2-Dichloroethene	ND		1.00	1	10/04/2016 19:43	WG913668
trans-1,2-Dichloroethene	ND		1.00	1	10/04/2016 19:43	WG913668
1,2-Dichloropropane	ND		1.00	1	10/04/2016 19:43	WG913668
1,1-Dichloropropene	ND		1.00	1	10/04/2016 19:43	WG913668
1,3-Dichloropropane	ND	J4	1.00	1	10/04/2016 19:43	WG913668
cis-1,3-Dichloropropene	ND		1.00	1	10/04/2016 19:43	WG913668
trans-1,3-Dichloropropene	ND		1.00	1	10/04/2016 19:43	WG913668
2,2-Dichloropropane	ND		1.00	1	10/04/2016 19:43	WG913668
Di-isopropyl ether	ND		1.00	1	10/04/2016 19:43	WG913668
Ethylbenzene	ND		1.00	1	10/04/2016 19:43	WG913668
Hexachloro-1,3-butadiene	ND		1.00	1	10/04/2016 19:43	WG913668
Isopropylbenzene	ND		1.00	1	10/04/2016 19:43	WG913668
p-Isopropyltoluene	ND		1.00	1	10/04/2016 19:43	WG913668
2-Butanone (MEK)	ND		10.0	1	10/04/2016 19:43	WG913668
Methylene Chloride	ND		5.00	1	10/04/2016 19:43	WG913668
4-Methyl-2-pentanone (MIBK)	ND		10.0	1	10/04/2016 19:43	WG913668
Methyl tert-butyl ether	ND	J4	1.00	1	10/04/2016 19:43	WG913668
Naphthalene	ND		5.00	1	10/04/2016 19:43	WG913668
n-Propylbenzene	ND		1.00	1	10/04/2016 19:43	WG913668
Styrene	ND		1.00	1	10/04/2016 19:43	WG913668
1,1,1,2-Tetrachloroethane	ND		1.00	1	10/04/2016 19:43	WG913668
1,1,2,2-Tetrachloroethane	ND		1.00	1	10/04/2016 19:43	WG913668
1,1,2-Trichlorotrifluoroethane	ND	J4	1.00	1	10/04/2016 19:43	WG913668
Tetrachloroethene	ND		1.00	1	10/04/2016 19:43	WG913668
Toluene	ND		5.00	1	10/04/2016 19:43	WG913668
1,2,3-Trichlorobenzene	ND		1.00	1	10/04/2016 19:43	WG913668

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result ug/l	Qualifier	RDL ug/l	Dilution	Analysis date / time	Batch
1,2,4-Trichlorobenzene	ND		1.00	1	10/04/2016 19:43	WG913668
1,1,1-Trichloroethane	ND		1.00	1	10/04/2016 19:43	WG913668
1,1,2-Trichloroethane	ND		1.00	1	10/04/2016 19:43	WG913668
Trichloroethene	ND		1.00	1	10/04/2016 19:43	WG913668
Trichlorofluoromethane	ND		5.00	1	10/04/2016 19:43	WG913668
1,2,3-Trichloropropane	ND		2.50	1	10/04/2016 19:43	WG913668
1,2,4-Trimethylbenzene	ND		1.00	1	10/04/2016 19:43	WG913668
1,2,3-Trimethylbenzene	ND		1.00	1	10/04/2016 19:43	WG913668
1,3,5-Trimethylbenzene	ND		1.00	1	10/04/2016 19:43	WG913668
Vinyl chloride	ND		1.00	1	10/04/2016 19:43	WG913668
Xylenes, Total	ND		3.00	1	10/04/2016 19:43	WG913668
(S) Toluene-d8	*99.7*		*90.0-115*		*10/04/2016 19:43*	WG913668
(S) Dibromofluoromethane	*88.8*		*79.0-121*		*10/04/2016 19:43*	WG913668
(S) 4-Bromofluorobenzene	*106*		*80.1-120*		*10/04/2016 19:43*	WG913668

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result ug/l	Qualifier	RDL ug/l	Dilution	Analysis date / time	Batch
Acetone	ND		50.0	1	10/04/2016 20:05	WG913668
Acrolein	ND		50.0	1	10/04/2016 20:05	WG913668
Acrylonitrile	ND		10.0	1	10/04/2016 20:05	WG913668
Benzene	ND		1.00	1	10/04/2016 20:05	WG913668
Bromobenzene	ND		1.00	1	10/04/2016 20:05	WG913668
Bromodichloromethane	ND		1.00	1	10/04/2016 20:05	WG913668
Bromoform	ND		1.00	1	10/04/2016 20:05	WG913668
Bromomethane	ND		5.00	1	10/04/2016 20:05	WG913668
n-Butylbenzene	ND		1.00	1	10/04/2016 20:05	WG913668
sec-Butylbenzene	ND		1.00	1	10/04/2016 20:05	WG913668
tert-Butylbenzene	ND		1.00	1	10/04/2016 20:05	WG913668
Carbon tetrachloride	ND		1.00	1	10/04/2016 20:05	WG913668
Chlorobenzene	ND		1.00	1	10/04/2016 20:05	WG913668
Chlorodibromomethane	ND		1.00	1	10/04/2016 20:05	WG913668
Chloroethane	ND		5.00	1	10/04/2016 20:05	WG913668
2-Chloroethyl vinyl ether	ND		50.0	1	10/04/2016 20:05	WG913668
Chloroform	ND		5.00	1	10/04/2016 20:05	WG913668
Chloromethane	ND		2.50	1	10/04/2016 20:05	WG913668
2-Chlorotoluene	ND		1.00	1	10/04/2016 20:05	WG913668
4-Chlorotoluene	ND		1.00	1	10/04/2016 20:05	WG913668
1,2-Dibromo-3-Chloropropane	ND		5.00	1	10/04/2016 20:05	WG913668
1,2-Dibromoethane	ND	J4	1.00	1	10/04/2016 20:05	WG913668
Dibromomethane	ND		1.00	1	10/04/2016 20:05	WG913668
1,2-Dichlorobenzene	ND		1.00	1	10/04/2016 20:05	WG913668
1,3-Dichlorobenzene	ND		1.00	1	10/04/2016 20:05	WG913668
1,4-Dichlorobenzene	ND		1.00	1	10/04/2016 20:05	WG913668
Dichlorodifluoromethane	ND		5.00	1	10/04/2016 20:05	WG913668
1,1-Dichloroethane	ND		1.00	1	10/04/2016 20:05	WG913668
1,2-Dichloroethane	ND		1.00	1	10/04/2016 20:05	WG913668
1,1-Dichloroethene	ND		1.00	1	10/04/2016 20:05	WG913668
cis-1,2-Dichloroethene	ND		1.00	1	10/04/2016 20:05	WG913668
trans-1,2-Dichloroethene	ND		1.00	1	10/04/2016 20:05	WG913668
1,2-Dichloropropane	ND		1.00	1	10/04/2016 20:05	WG913668
1,1-Dichloropropene	ND		1.00	1	10/04/2016 20:05	WG913668
1,3-Dichloropropane	ND	J4	1.00	1	10/04/2016 20:05	WG913668
cis-1,3-Dichloropropene	ND		1.00	1	10/04/2016 20:05	WG913668
trans-1,3-Dichloropropene	ND		1.00	1	10/04/2016 20:05	WG913668
2,2-Dichloropropane	ND		1.00	1	10/04/2016 20:05	WG913668
Di-isopropyl ether	ND		1.00	1	10/04/2016 20:05	WG913668
Ethylbenzene	ND		1.00	1	10/04/2016 20:05	WG913668
Hexachloro-1,3-butadiene	ND		1.00	1	10/04/2016 20:05	WG913668
Isopropylbenzene	ND		1.00	1	10/04/2016 20:05	WG913668
p-Isopropyltoluene	ND		1.00	1	10/04/2016 20:05	WG913668
2-Butanone (MEK)	ND		10.0	1	10/04/2016 20:05	WG913668
Methylene Chloride	ND		5.00	1	10/04/2016 20:05	WG913668
4-Methyl-2-pentanone (MIBK)	ND		10.0	1	10/04/2016 20:05	WG913668
Methyl tert-butyl ether	ND	J4	1.00	1	10/04/2016 20:05	WG913668
Naphthalene	ND		5.00	1	10/04/2016 20:05	WG913668
n-Propylbenzene	ND		1.00	1	10/04/2016 20:05	WG913668
Styrene	ND		1.00	1	10/04/2016 20:05	WG913668
1,1,1,2-Tetrachloroethane	ND		1.00	1	10/04/2016 20:05	WG913668
1,1,2,2-Tetrachloroethane	ND		1.00	1	10/04/2016 20:05	WG913668
1,1,2-Trichlorotrifluoroethane	ND	J4	1.00	1	10/04/2016 20:05	WG913668
Tetrachloroethene	ND		1.00	1	10/04/2016 20:05	WG913668
Toluene	ND		5.00	1	10/04/2016 20:05	WG913668
1,2,3-Trichlorobenzene	ND		1.00	1	10/04/2016 20:05	WG913668

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result ug/l	Qualifier	RDL ug/l	Dilution	Analysis date / time	Batch
1,2,4-Trichlorobenzene	ND		1.00	1	10/04/2016 20:05	WG913668
1,1,1-Trichloroethane	ND		1.00	1	10/04/2016 20:05	WG913668
1,1,2-Trichloroethane	ND		1.00	1	10/04/2016 20:05	WG913668
Trichloroethene	ND		1.00	1	10/04/2016 20:05	WG913668
Trichlorofluoromethane	ND		5.00	1	10/04/2016 20:05	WG913668
1,2,3-Trichloropropane	ND		2.50	1	10/04/2016 20:05	WG913668
1,2,4-Trimethylbenzene	ND		1.00	1	10/04/2016 20:05	WG913668
1,2,3-Trimethylbenzene	ND		1.00	1	10/04/2016 20:05	WG913668
1,3,5-Trimethylbenzene	ND		1.00	1	10/04/2016 20:05	WG913668
Vinyl chloride	ND		1.00	1	10/04/2016 20:05	WG913668
Xylenes, Total	ND		3.00	1	10/04/2016 20:05	WG913668
(S) Toluene-d8	*99.7*		*90.0-115*		*10/04/2016 20:05*	WG913668
(S) Dibromofluoromethane	*89.1*		*79.0-121*		*10/04/2016 20:05*	WG913668
(S) 4-Bromofluorobenzene	*106*		*80.1-120*		*10/04/2016 20:05*	WG913668

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result ug/l	Qualifier	RDL ug/l	Dilution	Analysis date / time	Batch
Acetone	ND		50.0	1	10/04/2016 20:27	WG913668
Acrolein	ND		50.0	1	10/04/2016 20:27	WG913668
Acrylonitrile	ND		10.0	1	10/04/2016 20:27	WG913668
Benzene	ND		1.00	1	10/04/2016 20:27	WG913668
Bromobenzene	ND		1.00	1	10/04/2016 20:27	WG913668
Bromodichloromethane	ND		1.00	1	10/04/2016 20:27	WG913668
Bromoform	ND		1.00	1	10/04/2016 20:27	WG913668
Bromomethane	ND		5.00	1	10/04/2016 20:27	WG913668
n-Butylbenzene	ND		1.00	1	10/04/2016 20:27	WG913668
sec-Butylbenzene	ND		1.00	1	10/04/2016 20:27	WG913668
tert-Butylbenzene	ND		1.00	1	10/04/2016 20:27	WG913668
Carbon tetrachloride	ND		1.00	1	10/04/2016 20:27	WG913668
Chlorobenzene	ND		1.00	1	10/04/2016 20:27	WG913668
Chlorodibromomethane	ND		1.00	1	10/04/2016 20:27	WG913668
Chloroethane	ND		5.00	1	10/04/2016 20:27	WG913668
2-Chloroethyl vinyl ether	ND		50.0	1	10/04/2016 20:27	WG913668
Chloroform	ND		5.00	1	10/04/2016 20:27	WG913668
Chloromethane	ND		2.50	1	10/04/2016 20:27	WG913668
2-Chlorotoluene	ND		1.00	1	10/04/2016 20:27	WG913668
4-Chlorotoluene	ND		1.00	1	10/04/2016 20:27	WG913668
1,2-Dibromo-3-Chloropropane	ND		5.00	1	10/04/2016 20:27	WG913668
1,2-Dibromoethane	ND	J4	1.00	1	10/04/2016 20:27	WG913668
Dibromomethane	ND		1.00	1	10/04/2016 20:27	WG913668
1,2-Dichlorobenzene	ND		1.00	1	10/04/2016 20:27	WG913668
1,3-Dichlorobenzene	ND		1.00	1	10/04/2016 20:27	WG913668
1,4-Dichlorobenzene	ND		1.00	1	10/04/2016 20:27	WG913668
Dichlorodifluoromethane	ND		5.00	1	10/04/2016 20:27	WG913668
1,1-Dichloroethane	ND		1.00	1	10/04/2016 20:27	WG913668
1,2-Dichloroethane	ND		1.00	1	10/04/2016 20:27	WG913668
1,1-Dichloroethene	ND		1.00	1	10/04/2016 20:27	WG913668
cis-1,2-Dichloroethene	ND		1.00	1	10/04/2016 20:27	WG913668
trans-1,2-Dichloroethene	ND		1.00	1	10/04/2016 20:27	WG913668
1,2-Dichloropropane	ND		1.00	1	10/04/2016 20:27	WG913668
1,1-Dichloropropene	ND		1.00	1	10/04/2016 20:27	WG913668
1,3-Dichloropropane	ND	J4	1.00	1	10/04/2016 20:27	WG913668
cis-1,3-Dichloropropene	ND		1.00	1	10/04/2016 20:27	WG913668
trans-1,3-Dichloropropene	ND		1.00	1	10/04/2016 20:27	WG913668
2,2-Dichloropropane	ND		1.00	1	10/04/2016 20:27	WG913668
Di-isopropyl ether	ND		1.00	1	10/04/2016 20:27	WG913668
Ethylbenzene	ND		1.00	1	10/04/2016 20:27	WG913668
Hexachloro-1,3-butadiene	ND		1.00	1	10/04/2016 20:27	WG913668
Isopropylbenzene	ND		1.00	1	10/04/2016 20:27	WG913668
p-Isopropyltoluene	ND		1.00	1	10/04/2016 20:27	WG913668
2-Butanone (MEK)	ND		10.0	1	10/04/2016 20:27	WG913668
Methylene Chloride	ND		5.00	1	10/04/2016 20:27	WG913668
4-Methyl-2-pentanone (MIBK)	ND		10.0	1	10/04/2016 20:27	WG913668
Methyl tert-butyl ether	ND	J4	1.00	1	10/04/2016 20:27	WG913668
Naphthalene	ND		5.00	1	10/04/2016 20:27	WG913668
n-Propylbenzene	ND		1.00	1	10/04/2016 20:27	WG913668
Styrene	ND		1.00	1	10/04/2016 20:27	WG913668
1,1,1,2-Tetrachloroethane	ND		1.00	1	10/04/2016 20:27	WG913668
1,1,2,2-Tetrachloroethane	ND		1.00	1	10/04/2016 20:27	WG913668
1,1,2-Trichlorotrifluoroethane	ND	J4	1.00	1	10/04/2016 20:27	WG913668
Tetrachloroethene	ND		1.00	1	10/04/2016 20:27	WG913668
Toluene	ND		5.00	1	10/04/2016 20:27	WG913668
1,2,3-Trichlorobenzene	ND		1.00	1	10/04/2016 20:27	WG913668

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result ug/l	Qualifier	RDL ug/l	Dilution	Analysis date / time	Batch
1,2,4-Trichlorobenzene	ND		1.00	1	10/04/2016 20:27	WG913668
1,1,1-Trichloroethane	ND		1.00	1	10/04/2016 20:27	WG913668
1,1,2-Trichloroethane	ND		1.00	1	10/04/2016 20:27	WG913668
Trichloroethene	ND		1.00	1	10/04/2016 20:27	WG913668
Trichlorofluoromethane	ND		5.00	1	10/04/2016 20:27	WG913668
1,2,3-Trichloropropane	ND		2.50	1	10/04/2016 20:27	WG913668
1,2,4-Trimethylbenzene	ND		1.00	1	10/04/2016 20:27	WG913668
1,2,3-Trimethylbenzene	ND		1.00	1	10/04/2016 20:27	WG913668
1,3,5-Trimethylbenzene	ND		1.00	1	10/04/2016 20:27	WG913668
Vinyl chloride	ND		1.00	1	10/04/2016 20:27	WG913668
Xylenes, Total	ND		3.00	1	10/04/2016 20:27	WG913668
(S) Toluene-d8	*99.9*		*90.0-115*		*10/04/2016 20:27*	WG913668
(S) Dibromofluoromethane	*88.2*		*79.0-121*		*10/04/2016 20:27*	WG913668
(S) 4-Bromofluorobenzene	*105*		*80.1-120*		*10/04/2016 20:27*	WG913668

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result ug/l	Qualifier	RDL ug/l	Dilution	Analysis date / time	Batch
Acetone	ND		50.0	1	10/04/2016 21:05	WG913668
Acrolein	ND		50.0	1	10/04/2016 21:05	WG913668
Acrylonitrile	ND		10.0	1	10/04/2016 21:05	WG913668
Benzene	ND		1.00	1	10/04/2016 21:05	WG913668
Bromobenzene	ND		1.00	1	10/04/2016 21:05	WG913668
Bromodichloromethane	ND		1.00	1	10/04/2016 21:05	WG913668
Bromoform	ND		1.00	1	10/04/2016 21:05	WG913668
Bromomethane	ND		5.00	1	10/04/2016 21:05	WG913668
n-Butylbenzene	ND		1.00	1	10/04/2016 21:05	WG913668
sec-Butylbenzene	ND		1.00	1	10/04/2016 21:05	WG913668
tert-Butylbenzene	ND		1.00	1	10/04/2016 21:05	WG913668
Carbon tetrachloride	ND		1.00	1	10/04/2016 21:05	WG913668
Chlorobenzene	ND		1.00	1	10/04/2016 21:05	WG913668
Chlorodibromomethane	ND		1.00	1	10/04/2016 21:05	WG913668
Chloroethane	ND		5.00	1	10/04/2016 21:05	WG913668
2-Chloroethyl vinyl ether	ND		50.0	1	10/04/2016 21:05	WG913668
Chloroform	ND		5.00	1	10/04/2016 21:05	WG913668
Chloromethane	ND		2.50	1	10/04/2016 21:05	WG913668
2-Chlorotoluene	ND		1.00	1	10/04/2016 21:05	WG913668
4-Chlorotoluene	ND		1.00	1	10/04/2016 21:05	WG913668
1,2-Dibromo-3-Chloropropane	ND		5.00	1	10/04/2016 21:05	WG913668
1,2-Dibromoethane	ND	J4	1.00	1	10/04/2016 21:05	WG913668
Dibromomethane	ND		1.00	1	10/04/2016 21:05	WG913668
1,2-Dichlorobenzene	ND		1.00	1	10/04/2016 21:05	WG913668
1,3-Dichlorobenzene	ND		1.00	1	10/04/2016 21:05	WG913668
1,4-Dichlorobenzene	ND		1.00	1	10/04/2016 21:05	WG913668
Dichlorodifluoromethane	ND		5.00	1	10/04/2016 21:05	WG913668
1,1-Dichloroethane	ND		1.00	1	10/04/2016 21:05	WG913668
1,2-Dichloroethane	ND		1.00	1	10/04/2016 21:05	WG913668
1,1-Dichloroethene	ND		1.00	1	10/04/2016 21:05	WG913668
cis-1,2-Dichloroethene	ND		1.00	1	10/04/2016 21:05	WG913668
trans-1,2-Dichloroethene	ND		1.00	1	10/04/2016 21:05	WG913668
1,2-Dichloropropane	ND		1.00	1	10/04/2016 21:05	WG913668
1,1-Dichloropropene	ND		1.00	1	10/04/2016 21:05	WG913668
1,3-Dichloropropane	ND	J4	1.00	1	10/04/2016 21:05	WG913668
cis-1,3-Dichloropropene	ND		1.00	1	10/04/2016 21:05	WG913668
trans-1,3-Dichloropropene	ND		1.00	1	10/04/2016 21:05	WG913668
2,2-Dichloropropane	ND		1.00	1	10/04/2016 21:05	WG913668
Di-isopropyl ether	ND		1.00	1	10/04/2016 21:05	WG913668
Ethylbenzene	ND		1.00	1	10/04/2016 21:05	WG913668
Hexachloro-1,3-butadiene	ND		1.00	1	10/04/2016 21:05	WG913668
Isopropylbenzene	ND		1.00	1	10/04/2016 21:05	WG913668
p-Isopropyltoluene	ND		1.00	1	10/04/2016 21:05	WG913668
2-Butanone (MEK)	ND		10.0	1	10/04/2016 21:05	WG913668
Methylene Chloride	ND		5.00	1	10/04/2016 21:05	WG913668
4-Methyl-2-pentanone (MIBK)	ND		10.0	1	10/04/2016 21:05	WG913668
Methyl tert-butyl ether	ND	J4	1.00	1	10/04/2016 21:05	WG913668
Naphthalene	ND		5.00	1	10/04/2016 21:05	WG913668
n-Propylbenzene	ND		1.00	1	10/04/2016 21:05	WG913668
Styrene	ND		1.00	1	10/04/2016 21:05	WG913668
1,1,1,2-Tetrachloroethane	ND		1.00	1	10/04/2016 21:05	WG913668
1,1,2,2-Tetrachloroethane	ND		1.00	1	10/04/2016 21:05	WG913668
1,1,2-Trichlorotrifluoroethane	ND	J4	1.00	1	10/04/2016 21:05	WG913668
Tetrachloroethene	ND		1.00	1	10/04/2016 21:05	WG913668
Toluene	ND		5.00	1	10/04/2016 21:05	WG913668
1,2,3-Trichlorobenzene	ND		1.00	1	10/04/2016 21:05	WG913668

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result ug/l	Qualifier	RDL ug/l	Dilution	Analysis date / time	Batch
1,2,4-Trichlorobenzene	ND		1.00	1	10/04/2016 21:05	WG913668
1,1,1-Trichloroethane	ND		1.00	1	10/04/2016 21:05	WG913668
1,1,2-Trichloroethane	ND		1.00	1	10/04/2016 21:05	WG913668
Trichloroethene	ND		1.00	1	10/04/2016 21:05	WG913668
Trichlorofluoromethane	ND		5.00	1	10/04/2016 21:05	WG913668
1,2,3-Trichloropropane	ND		2.50	1	10/04/2016 21:05	WG913668
1,2,4-Trimethylbenzene	ND		1.00	1	10/04/2016 21:05	WG913668
1,2,3-Trimethylbenzene	ND		1.00	1	10/04/2016 21:05	WG913668
1,3,5-Trimethylbenzene	ND		1.00	1	10/04/2016 21:05	WG913668
Vinyl chloride	ND		1.00	1	10/04/2016 21:05	WG913668
Xylenes, Total	ND		3.00	1	10/04/2016 21:05	WG913668
(S) Toluene-d8	*99.9*		*90.0-115*		*10/04/2016 21:05*	WG913668
(S) Dibromofluoromethane	*89.7*		*79.0-121*		*10/04/2016 21:05*	WG913668
(S) 4-Bromofluorobenzene	*102*		*80.1-120*		*10/04/2016 21:05*	WG913668

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result ug/l	Qualifier	RDL ug/l	Dilution	Analysis date / time	Batch
Acetone	ND		1250	25	10/04/2016 21:27	WG913668
Acrolein	ND		1250	25	10/04/2016 21:27	WG913668
Acrylonitrile	ND		250	25	10/04/2016 21:27	WG913668
Benzene	6190		500	500	10/06/2016 02:22	WG913668
Bromobenzene	ND		25.0	25	10/04/2016 21:27	WG913668
Bromodichloromethane	ND		25.0	25	10/04/2016 21:27	WG913668
Bromoform	ND		25.0	25	10/04/2016 21:27	WG913668
Bromomethane	ND		125	25	10/04/2016 21:27	WG913668
n-Butylbenzene	ND		25.0	25	10/04/2016 21:27	WG913668
sec-Butylbenzene	ND		25.0	25	10/04/2016 21:27	WG913668
tert-Butylbenzene	ND		25.0	25	10/04/2016 21:27	WG913668
Carbon tetrachloride	ND		25.0	25	10/04/2016 21:27	WG913668
Chlorobenzene	ND		25.0	25	10/04/2016 21:27	WG913668
Chlorodibromomethane	ND		25.0	25	10/04/2016 21:27	WG913668
Chloroethane	ND		125	25	10/04/2016 21:27	WG913668
2-Chloroethyl vinyl ether	ND		1250	25	10/04/2016 21:27	WG913668
Chloroform	ND		125	25	10/04/2016 21:27	WG913668
Chloromethane	ND		62.5	25	10/04/2016 21:27	WG913668
2-Chlorotoluene	ND		25.0	25	10/04/2016 21:27	WG913668
4-Chlorotoluene	ND		25.0	25	10/04/2016 21:27	WG913668
1,2-Dibromo-3-Chloropropane	ND		125	25	10/04/2016 21:27	WG913668
1,2-Dibromoethane	ND	J4	25.0	25	10/04/2016 21:27	WG913668
Dibromomethane	ND		25.0	25	10/04/2016 21:27	WG913668
1,2-Dichlorobenzene	ND		25.0	25	10/04/2016 21:27	WG913668
1,3-Dichlorobenzene	ND		25.0	25	10/04/2016 21:27	WG913668
1,4-Dichlorobenzene	ND		25.0	25	10/04/2016 21:27	WG913668
Dichlorodifluoromethane	ND		125	25	10/04/2016 21:27	WG913668
1,1-Dichloroethane	ND		25.0	25	10/04/2016 21:27	WG913668
1,2-Dichloroethane	ND		25.0	25	10/04/2016 21:27	WG913668
1,1-Dichloroethene	ND		25.0	25	10/04/2016 21:27	WG913668
cis-1,2-Dichloroethene	ND		25.0	25	10/04/2016 21:27	WG913668
trans-1,2-Dichloroethene	ND		25.0	25	10/04/2016 21:27	WG913668
1,2-Dichloropropane	ND		25.0	25	10/04/2016 21:27	WG913668
1,1-Dichloropropene	ND		25.0	25	10/04/2016 21:27	WG913668
1,3-Dichloropropane	ND	J4	25.0	25	10/04/2016 21:27	WG913668
cis-1,3-Dichloropropene	ND		25.0	25	10/04/2016 21:27	WG913668
trans-1,3-Dichloropropene	ND		25.0	25	10/04/2016 21:27	WG913668
2,2-Dichloropropane	ND		25.0	25	10/04/2016 21:27	WG913668
Di-isopropyl ether	ND		25.0	25	10/04/2016 21:27	WG913668
Ethylbenzene	4270		25.0	25	10/04/2016 21:27	WG913668
Hexachloro-1,3-butadiene	ND	J6	25.0	25	10/04/2016 21:27	WG913668
Isopropylbenzene	150		25.0	25	10/04/2016 21:27	WG913668
p-Isopropyltoluene	ND		25.0	25	10/04/2016 21:27	WG913668
2-Butanone (MEK)	ND		250	25	10/04/2016 21:27	WG913668
Methylene Chloride	ND		125	25	10/04/2016 21:27	WG913668
4-Methyl-2-pentanone (MIBK)	ND		250	25	10/04/2016 21:27	WG913668
Methyl tert-butyl ether	ND	J4	25.0	25	10/04/2016 21:27	WG913668
Naphthalene	697		125	25	10/04/2016 21:27	WG913668
n-Propylbenzene	499		25.0	25	10/04/2016 21:27	WG913668
Styrene	ND		25.0	25	10/04/2016 21:27	WG913668
1,1,1,2-Tetrachloroethane	ND		25.0	25	10/04/2016 21:27	WG913668
1,1,2,2-Tetrachloroethane	ND		25.0	25	10/04/2016 21:27	WG913668
1,1,2-Trichlorotrifluoroethane	ND	J4	25.0	25	10/04/2016 21:27	WG913668
Tetrachloroethene	ND		25.0	25	10/04/2016 21:27	WG913668
Toluene	19700		2500	500	10/06/2016 02:22	WG913668
1,2,3-Trichlorobenzene	ND		25.0	25	10/04/2016 21:27	WG913668

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result ug/l	Qualifier	RDL ug/l	Dilution	Analysis date / time	Batch
1,2,4-Trichlorobenzene	ND		25.0	25	10/04/2016 21:27	WG913668
1,1,1-Trichloroethane	ND		25.0	25	10/04/2016 21:27	WG913668
1,1,2-Trichloroethane	ND		25.0	25	10/04/2016 21:27	WG913668
Trichloroethene	ND		25.0	25	10/04/2016 21:27	WG913668
Trichlorofluoromethane	ND		125	25	10/04/2016 21:27	WG913668
1,2,3-Trichloropropane	ND		62.5	25	10/04/2016 21:27	WG913668
1,2,4-Trimethylbenzene	3400		25.0	25	10/04/2016 21:27	WG913668
1,2,3-Trimethylbenzene	827		25.0	25	10/04/2016 21:27	WG913668
1,3,5-Trimethylbenzene	845		25.0	25	10/04/2016 21:27	WG913668
Vinyl chloride	ND		25.0	25	10/04/2016 21:27	WG913668
Xylenes, Total	16100		1500	500	10/06/2016 02:22	WG913668
(S) Toluene-d8	*102*		*90.0-115*		*10/06/2016 02:22*	WG913668
(S) Toluene-d8	*96.6*		*90.0-115*		*10/04/2016 21:27*	WG913668
(S) Dibromofluoromethane	*90.0*		*79.0-121*		*10/04/2016 21:27*	WG913668
(S) Dibromofluoromethane	*102*		*79.0-121*		*10/06/2016 02:22*	WG913668
(S) 4-Bromofluorobenzene	*100*		*80.1-120*		*10/06/2016 02:22*	WG913668
(S) 4-Bromofluorobenzene	*101*		*80.1-120*		*10/04/2016 21:27*	WG913668

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result ug/l	Qualifier	RDL ug/l	Dilution	Analysis date / time	Batch
Acetone	ND		50.0	1	10/04/2016 22:53	WG913668
Acrolein	ND		50.0	1	10/04/2016 22:53	WG913668
Acrylonitrile	ND		10.0	1	10/04/2016 22:53	WG913668
Benzene	30.5		1.00	1	10/04/2016 22:53	WG913668
Bromobenzene	ND		1.00	1	10/04/2016 22:53	WG913668
Bromodichloromethane	ND		1.00	1	10/04/2016 22:53	WG913668
Bromoform	ND		1.00	1	10/04/2016 22:53	WG913668
Bromomethane	ND		5.00	1	10/04/2016 22:53	WG913668
n-Butylbenzene	ND		1.00	1	10/04/2016 22:53	WG913668
sec-Butylbenzene	2.67		1.00	1	10/04/2016 22:53	WG913668
tert-Butylbenzene	ND		1.00	1	10/04/2016 22:53	WG913668
Carbon tetrachloride	ND		1.00	1	10/04/2016 22:53	WG913668
Chlorobenzene	ND		1.00	1	10/04/2016 22:53	WG913668
Chlorodibromomethane	ND		1.00	1	10/04/2016 22:53	WG913668
Chloroethane	ND		5.00	1	10/04/2016 22:53	WG913668
2-Chloroethyl vinyl ether	ND		50.0	1	10/04/2016 22:53	WG913668
Chloroform	ND		5.00	1	10/04/2016 22:53	WG913668
Chloromethane	ND		2.50	1	10/04/2016 22:53	WG913668
2-Chlorotoluene	ND		1.00	1	10/04/2016 22:53	WG913668
4-Chlorotoluene	ND		1.00	1	10/04/2016 22:53	WG913668
1,2-Dibromo-3-Chloropropane	ND		5.00	1	10/04/2016 22:53	WG913668
1,2-Dibromoethane	ND	J4	1.00	1	10/04/2016 22:53	WG913668
Dibromomethane	ND		1.00	1	10/04/2016 22:53	WG913668
1,2-Dichlorobenzene	ND		1.00	1	10/04/2016 22:53	WG913668
1,3-Dichlorobenzene	ND		1.00	1	10/04/2016 22:53	WG913668
1,4-Dichlorobenzene	ND		1.00	1	10/04/2016 22:53	WG913668
Dichlorodifluoromethane	ND		5.00	1	10/04/2016 22:53	WG913668
1,1-Dichloroethane	ND		1.00	1	10/04/2016 22:53	WG913668
1,2-Dichloroethane	ND		1.00	1	10/04/2016 22:53	WG913668
1,1-Dichloroethene	ND		1.00	1	10/04/2016 22:53	WG913668
cis-1,2-Dichloroethene	ND		1.00	1	10/04/2016 22:53	WG913668
trans-1,2-Dichloroethene	ND		1.00	1	10/04/2016 22:53	WG913668
1,2-Dichloropropane	ND		1.00	1	10/04/2016 22:53	WG913668
1,1-Dichloropropene	ND		1.00	1	10/04/2016 22:53	WG913668
1,3-Dichloropropane	ND	J4	1.00	1	10/04/2016 22:53	WG913668
cis-1,3-Dichloropropene	ND		1.00	1	10/04/2016 22:53	WG913668
trans-1,3-Dichloropropene	ND		1.00	1	10/04/2016 22:53	WG913668
2,2-Dichloropropane	ND		1.00	1	10/04/2016 22:53	WG913668
Di-isopropyl ether	ND		1.00	1	10/04/2016 22:53	WG913668
Ethylbenzene	19.6		1.00	1	10/04/2016 22:53	WG913668
Hexachloro-1,3-butadiene	ND		1.00	1	10/04/2016 22:53	WG913668
Isopropylbenzene	7.50		1.00	1	10/04/2016 22:53	WG913668
p-Isopropyltoluene	ND		1.00	1	10/04/2016 22:53	WG913668
2-Butanone (MEK)	ND		10.0	1	10/04/2016 22:53	WG913668
Methylene Chloride	ND		5.00	1	10/04/2016 22:53	WG913668
4-Methyl-2-pentanone (MIBK)	ND		10.0	1	10/04/2016 22:53	WG913668
Methyl tert-butyl ether	ND	J4	1.00	1	10/04/2016 22:53	WG913668
Naphthalene	6.21		5.00	1	10/04/2016 22:53	WG913668
n-Propylbenzene	20.5		1.00	1	10/04/2016 22:53	WG913668
Styrene	ND		1.00	1	10/04/2016 22:53	WG913668
1,1,1,2-Tetrachloroethane	ND		1.00	1	10/04/2016 22:53	WG913668
1,1,2,2-Tetrachloroethane	ND		1.00	1	10/04/2016 22:53	WG913668
1,1,2-Trichlorotrifluoroethane	ND	J4	1.00	1	10/04/2016 22:53	WG913668
Tetrachloroethene	ND		1.00	1	10/04/2016 22:53	WG913668
Toluene	10.5		5.00	1	10/04/2016 22:53	WG913668
1,2,3-Trichlorobenzene	ND		1.00	1	10/04/2016 22:53	WG913668

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result ug/l	Qualifier	RDL ug/l	Dilution	Analysis date / time	Batch
1,2,4-Trichlorobenzene	ND		1.00	1	10/04/2016 22:53	WG913668
1,1,1-Trichloroethane	ND		1.00	1	10/04/2016 22:53	WG913668
1,1,2-Trichloroethane	ND		1.00	1	10/04/2016 22:53	WG913668
Trichloroethene	ND		1.00	1	10/04/2016 22:53	WG913668
Trichlorofluoromethane	ND		5.00	1	10/04/2016 22:53	WG913668
1,2,3-Trichloropropane	ND		2.50	1	10/04/2016 22:53	WG913668
1,2,4-Trimethylbenzene	26.9		1.00	1	10/04/2016 22:53	WG913668
1,2,3-Trimethylbenzene	7.11		1.00	1	10/04/2016 22:53	WG913668
1,3,5-Trimethylbenzene	2.79		1.00	1	10/04/2016 22:53	WG913668
Vinyl chloride	ND		1.00	1	10/04/2016 22:53	WG913668
Xylenes, Total	26.3		3.00	1	10/04/2016 22:53	WG913668
(S) Toluene-d8	*99.0*		*90.0-115*		*10/04/2016 22:53*	WG913668
(S) Dibromofluoromethane	*89.9*		*79.0-121*		*10/04/2016 22:53*	WG913668
(S) 4-Bromofluorobenzene	*104*		*80.1-120*		*10/04/2016 22:53*	WG913668

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result ug/l	Qualifier	RDL ug/l	Dilution	Analysis date / time	Batch
Acetone	ND		50.0	1	10/04/2016 09:51	WG913564
Acrolein	ND		50.0	1	10/04/2016 09:51	WG913564
Acrylonitrile	ND		10.0	1	10/04/2016 09:51	WG913564
Benzene	3230		50.0	50	10/05/2016 05:37	WG913564
Bromobenzene	ND		1.00	1	10/04/2016 09:51	WG913564
Bromodichloromethane	ND		1.00	1	10/04/2016 09:51	WG913564
Bromoform	ND		1.00	1	10/04/2016 09:51	WG913564
Bromomethane	ND		5.00	1	10/04/2016 09:51	WG913564
n-Butylbenzene	12.5		1.00	1	10/04/2016 09:51	WG913564
sec-Butylbenzene	10.2		1.00	1	10/04/2016 09:51	WG913564
tert-Butylbenzene	1.49		1.00	1	10/04/2016 09:51	WG913564
Carbon tetrachloride	ND		1.00	1	10/04/2016 09:51	WG913564
Chlorobenzene	ND		1.00	1	10/04/2016 09:51	WG913564
Chlorodibromomethane	ND		1.00	1	10/04/2016 09:51	WG913564
Chloroethane	ND		5.00	1	10/04/2016 09:51	WG913564
2-Chloroethyl vinyl ether	ND		50.0	1	10/04/2016 09:51	WG913564
Chloroform	ND		5.00	1	10/04/2016 09:51	WG913564
Chloromethane	ND		2.50	1	10/04/2016 09:51	WG913564
2-Chlorotoluene	ND		1.00	1	10/04/2016 09:51	WG913564
4-Chlorotoluene	ND		1.00	1	10/04/2016 09:51	WG913564
1,2-Dibromo-3-Chloropropane	ND		5.00	1	10/04/2016 09:51	WG913564
1,2-Dibromoethane	ND		1.00	1	10/04/2016 09:51	WG913564
Dibromomethane	ND		1.00	1	10/04/2016 09:51	WG913564
1,2-Dichlorobenzene	ND		1.00	1	10/04/2016 09:51	WG913564
1,3-Dichlorobenzene	ND		1.00	1	10/04/2016 09:51	WG913564
1,4-Dichlorobenzene	ND		1.00	1	10/04/2016 09:51	WG913564
Dichlorodifluoromethane	ND		5.00	1	10/04/2016 09:51	WG913564
1,1-Dichloroethane	ND		1.00	1	10/04/2016 09:51	WG913564
1,2-Dichloroethane	ND		1.00	1	10/04/2016 09:51	WG913564
1,1-Dichloroethene	ND		1.00	1	10/04/2016 09:51	WG913564
cis-1,2-Dichloroethene	ND		1.00	1	10/04/2016 09:51	WG913564
trans-1,2-Dichloroethene	ND		1.00	1	10/04/2016 09:51	WG913564
1,2-Dichloropropane	ND		1.00	1	10/04/2016 09:51	WG913564
1,1-Dichloropropene	ND		1.00	1	10/04/2016 09:51	WG913564
1,3-Dichloropropane	ND		1.00	1	10/04/2016 09:51	WG913564
cis-1,3-Dichloropropene	ND		1.00	1	10/04/2016 09:51	WG913564
trans-1,3-Dichloropropene	ND		1.00	1	10/04/2016 09:51	WG913564
2,2-Dichloropropane	ND		1.00	1	10/04/2016 09:51	WG913564
Di-isopropyl ether	ND		1.00	1	10/04/2016 09:51	WG913564
Ethylbenzene	1360		50.0	50	10/05/2016 05:37	WG913564
Hexachloro-1,3-butadiene	ND		1.00	1	10/04/2016 09:51	WG913564
Isopropylbenzene	53.9		1.00	1	10/04/2016 09:51	WG913564
p-Isopropyltoluene	3.75		1.00	1	10/04/2016 09:51	WG913564
2-Butanone (MEK)	ND		10.0	1	10/04/2016 09:51	WG913564
Methylene Chloride	ND		5.00	1	10/04/2016 09:51	WG913564
4-Methyl-2-pentanone (MIBK)	ND		10.0	1	10/04/2016 09:51	WG913564
Methyl tert-butyl ether	3.52	V3	1.00	1	10/04/2016 09:51	WG913564
Naphthalene	182		5.00	1	10/04/2016 09:51	WG913564
n-Propylbenzene	148		1.00	1	10/04/2016 09:51	WG913564
Styrene	ND		1.00	1	10/04/2016 09:51	WG913564
1,1,1,2-Tetrachloroethane	ND		1.00	1	10/04/2016 09:51	WG913564
1,1,2,2-Tetrachloroethane	ND		1.00	1	10/04/2016 09:51	WG913564
1,1,2-Trichlorotrifluoroethane	ND		1.00	1	10/04/2016 09:51	WG913564
Tetrachloroethene	ND		1.00	1	10/04/2016 09:51	WG913564
Toluene	5720		250	50	10/05/2016 05:37	WG913564
1,2,3-Trichlorobenzene	ND		1.00	1	10/04/2016 09:51	WG913564

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result ug/l	Qualifier	RDL ug/l	Dilution	Analysis date / time	Batch
1,2,4-Trichlorobenzene	ND		1.00	1	10/04/2016 09:51	WG913564
1,1,1-Trichloroethane	ND		1.00	1	10/04/2016 09:51	WG913564
1,1,2-Trichloroethane	ND		1.00	1	10/04/2016 09:51	WG913564
Trichloroethene	ND		1.00	1	10/04/2016 09:51	WG913564
Trichlorofluoromethane	ND		5.00	1	10/04/2016 09:51	WG913564
1,2,3-Trichloropropane	ND		2.50	1	10/04/2016 09:51	WG913564
1,2,4-Trimethylbenzene	857		50.0	50	10/05/2016 05:37	WG913564
1,2,3-Trimethylbenzene	209		50.0	50	10/05/2016 05:37	WG913564
1,3,5-Trimethylbenzene	259		50.0	50	10/05/2016 05:37	WG913564
Vinyl chloride	ND		1.00	1	10/04/2016 09:51	WG913564
Xylenes, Total	5330		150	50	10/05/2016 05:37	WG913564
(S) Toluene-d8	*99.4*		*90.0-115*		*10/05/2016 05:37*	WG913564
(S) Toluene-d8	*99.5*		*90.0-115*		*10/04/2016 09:51*	WG913564
(S) Dibromofluoromethane	*206*	J1	*79.0-121*		*10/04/2016 09:51*	WG913564
(S) Dibromofluoromethane	*93.8*		*79.0-121*		*10/05/2016 05:37*	WG913564
(S) 4-Bromofluorobenzene	*100*		*80.1-120*		*10/05/2016 05:37*	WG913564
(S) 4-Bromofluorobenzene	*95.4*		*80.1-120*		*10/04/2016 09:51*	WG913564

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result ug/l	Qualifier	RDL ug/l	Dilution	Analysis date / time	Batch
Acetone	ND		50.0	1	10/04/2016 10:11	WG913564
Acrolein	ND		50.0	1	10/04/2016 10:11	WG913564
Acrylonitrile	ND		10.0	1	10/04/2016 10:11	WG913564
Benzene	21.4		1.00	1	10/05/2016 00:59	WG913564
Bromobenzene	ND		1.00	1	10/04/2016 10:11	WG913564
Bromodichloromethane	ND		1.00	1	10/04/2016 10:11	WG913564
Bromoform	ND		1.00	1	10/04/2016 10:11	WG913564
Bromomethane	ND		5.00	1	10/04/2016 10:11	WG913564
n-Butylbenzene	ND		1.00	1	10/04/2016 10:11	WG913564
sec-Butylbenzene	ND		1.00	1	10/04/2016 10:11	WG913564
tert-Butylbenzene	ND		1.00	1	10/04/2016 10:11	WG913564
Carbon tetrachloride	ND		1.00	1	10/04/2016 10:11	WG913564
Chlorobenzene	ND		1.00	1	10/04/2016 10:11	WG913564
Chlorodibromomethane	ND		1.00	1	10/04/2016 10:11	WG913564
Chloroethane	ND		5.00	1	10/04/2016 10:11	WG913564
2-Chloroethyl vinyl ether	ND		50.0	1	10/04/2016 10:11	WG913564
Chloroform	ND		5.00	1	10/04/2016 10:11	WG913564
Chloromethane	ND		2.50	1	10/04/2016 10:11	WG913564
2-Chlorotoluene	ND		1.00	1	10/04/2016 10:11	WG913564
4-Chlorotoluene	ND		1.00	1	10/04/2016 10:11	WG913564
1,2-Dibromo-3-Chloropropane	ND		5.00	1	10/04/2016 10:11	WG913564
1,2-Dibromoethane	ND		1.00	1	10/04/2016 10:11	WG913564
Dibromomethane	ND		1.00	1	10/04/2016 10:11	WG913564
1,2-Dichlorobenzene	ND		1.00	1	10/04/2016 10:11	WG913564
1,3-Dichlorobenzene	ND		1.00	1	10/04/2016 10:11	WG913564
1,4-Dichlorobenzene	ND		1.00	1	10/04/2016 10:11	WG913564
Dichlorodifluoromethane	ND		5.00	1	10/04/2016 10:11	WG913564
1,1-Dichloroethane	ND		1.00	1	10/04/2016 10:11	WG913564
1,2-Dichloroethane	ND		1.00	1	10/04/2016 10:11	WG913564
1,1-Dichloroethene	ND		1.00	1	10/04/2016 10:11	WG913564
cis-1,2-Dichloroethene	ND		1.00	1	10/04/2016 10:11	WG913564
trans-1,2-Dichloroethene	ND		1.00	1	10/04/2016 10:11	WG913564
1,2-Dichloropropane	ND		1.00	1	10/04/2016 10:11	WG913564
1,1-Dichloropropene	ND		1.00	1	10/04/2016 10:11	WG913564
1,3-Dichloropropane	ND		1.00	1	10/04/2016 10:11	WG913564
cis-1,3-Dichloropropene	ND		1.00	1	10/04/2016 10:11	WG913564
trans-1,3-Dichloropropene	ND		1.00	1	10/04/2016 10:11	WG913564
2,2-Dichloropropane	ND		1.00	1	10/04/2016 10:11	WG913564
Di-isopropyl ether	ND		1.00	1	10/04/2016 10:11	WG913564
Ethylbenzene	ND		1.00	1	10/04/2016 10:11	WG913564
Hexachloro-1,3-butadiene	ND		1.00	1	10/04/2016 10:11	WG913564
Isopropylbenzene	1.73		1.00	1	10/04/2016 10:11	WG913564
p-Isopropyltoluene	ND		1.00	1	10/04/2016 10:11	WG913564
2-Butanone (MEK)	ND		10.0	1	10/04/2016 10:11	WG913564
Methylene Chloride	ND		5.00	1	10/04/2016 10:11	WG913564
4-Methyl-2-pentanone (MIBK)	ND		10.0	1	10/04/2016 10:11	WG913564
Methyl tert-butyl ether	ND		1.00	1	10/04/2016 10:11	WG913564
Naphthalene	ND		5.00	1	10/05/2016 00:59	WG913564
n-Propylbenzene	ND		1.00	1	10/04/2016 10:11	WG913564
Styrene	ND		1.00	1	10/04/2016 10:11	WG913564
1,1,1,2-Tetrachloroethane	ND		1.00	1	10/04/2016 10:11	WG913564
1,1,2,2-Tetrachloroethane	ND		1.00	1	10/04/2016 10:11	WG913564
1,1,2-Trichlorotrifluoroethane	ND		1.00	1	10/04/2016 10:11	WG913564
Tetrachloroethene	ND		1.00	1	10/04/2016 10:11	WG913564
Toluene	ND		5.00	1	10/04/2016 10:11	WG913564
1,2,3-Trichlorobenzene	ND		1.00	1	10/04/2016 10:11	WG913564

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result ug/l	Qualifier	RDL ug/l	Dilution	Analysis date / time	Batch
1,2,4-Trichlorobenzene	ND		1.00	1	10/04/2016 10:11	WG913564
1,1,1-Trichloroethane	ND		1.00	1	10/04/2016 10:11	WG913564
1,1,2-Trichloroethane	ND		1.00	1	10/04/2016 10:11	WG913564
Trichloroethene	ND		1.00	1	10/04/2016 10:11	WG913564
Trichlorofluoromethane	ND		5.00	1	10/04/2016 10:11	WG913564
1,2,3-Trichloropropane	ND		2.50	1	10/04/2016 10:11	WG913564
1,2,4-Trimethylbenzene	10.6		1.00	1	10/05/2016 00:59	WG913564
1,2,3-Trimethylbenzene	7.09		1.00	1	10/05/2016 00:59	WG913564
1,3,5-Trimethylbenzene	2.36		1.00	1	10/05/2016 00:59	WG913564
Vinyl chloride	ND		1.00	1	10/04/2016 10:11	WG913564
Xylenes, Total	17.6		3.00	1	10/05/2016 00:59	WG913564
(S) Toluene-d8	*97.7*		*90.0-115*		*10/05/2016 00:59*	WG913564
(S) Toluene-d8	*99.2*		*90.0-115*		*10/04/2016 10:11*	WG913564
(S) Dibromofluoromethane	*97.3*		*79.0-121*		*10/04/2016 10:11*	WG913564
(S) Dibromofluoromethane	*98.5*		*79.0-121*		*10/05/2016 00:59*	WG913564
(S) 4-Bromofluorobenzene	*99.8*		*80.1-120*		*10/05/2016 00:59*	WG913564
(S) 4-Bromofluorobenzene	*103*		*80.1-120*		*10/04/2016 10:11*	WG913564

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result ug/l	Qualifier	RDL ug/l	Dilution	Analysis date / time	Batch
Acetone	ND		50.0	1	10/04/2016 10:32	WG913564
Acrolein	ND		50.0	1	10/04/2016 10:32	WG913564
Acrylonitrile	ND		10.0	1	10/04/2016 10:32	WG913564
Benzene	ND		1.00	1	10/04/2016 10:32	WG913564
Bromobenzene	ND		1.00	1	10/04/2016 10:32	WG913564
Bromodichloromethane	ND		1.00	1	10/04/2016 10:32	WG913564
Bromoform	ND		1.00	1	10/04/2016 10:32	WG913564
Bromomethane	ND		5.00	1	10/04/2016 10:32	WG913564
n-Butylbenzene	ND		1.00	1	10/04/2016 10:32	WG913564
sec-Butylbenzene	ND		1.00	1	10/04/2016 10:32	WG913564
tert-Butylbenzene	ND		1.00	1	10/04/2016 10:32	WG913564
Carbon tetrachloride	ND		1.00	1	10/04/2016 10:32	WG913564
Chlorobenzene	ND		1.00	1	10/04/2016 10:32	WG913564
Chlorodibromomethane	ND		1.00	1	10/04/2016 10:32	WG913564
Chloroethane	ND		5.00	1	10/04/2016 10:32	WG913564
2-Chloroethyl vinyl ether	ND		50.0	1	10/04/2016 10:32	WG913564
Chloroform	ND		5.00	1	10/04/2016 10:32	WG913564
Chloromethane	ND		2.50	1	10/04/2016 10:32	WG913564
2-Chlorotoluene	ND		1.00	1	10/04/2016 10:32	WG913564
4-Chlorotoluene	ND		1.00	1	10/04/2016 10:32	WG913564
1,2-Dibromo-3-Chloropropane	ND		5.00	1	10/04/2016 10:32	WG913564
1,2-Dibromoethane	ND		1.00	1	10/04/2016 10:32	WG913564
Dibromomethane	ND		1.00	1	10/04/2016 10:32	WG913564
1,2-Dichlorobenzene	ND		1.00	1	10/04/2016 10:32	WG913564
1,3-Dichlorobenzene	ND		1.00	1	10/04/2016 10:32	WG913564
1,4-Dichlorobenzene	ND		1.00	1	10/04/2016 10:32	WG913564
Dichlorodifluoromethane	ND		5.00	1	10/04/2016 10:32	WG913564
1,1-Dichloroethane	ND		1.00	1	10/04/2016 10:32	WG913564
1,2-Dichloroethane	ND		1.00	1	10/04/2016 10:32	WG913564
1,1-Dichloroethene	ND		1.00	1	10/04/2016 10:32	WG913564
cis-1,2-Dichloroethene	ND		1.00	1	10/04/2016 10:32	WG913564
trans-1,2-Dichloroethene	ND		1.00	1	10/04/2016 10:32	WG913564
1,2-Dichloropropane	ND		1.00	1	10/04/2016 10:32	WG913564
1,1-Dichloropropene	ND		1.00	1	10/04/2016 10:32	WG913564
1,3-Dichloropropane	ND		1.00	1	10/04/2016 10:32	WG913564
cis-1,3-Dichloropropene	ND		1.00	1	10/04/2016 10:32	WG913564
trans-1,3-Dichloropropene	ND		1.00	1	10/04/2016 10:32	WG913564
2,2-Dichloropropane	ND		1.00	1	10/04/2016 10:32	WG913564
Di-isopropyl ether	ND		1.00	1	10/04/2016 10:32	WG913564
Ethylbenzene	ND		1.00	1	10/04/2016 10:32	WG913564
Hexachloro-1,3-butadiene	ND		1.00	1	10/04/2016 10:32	WG913564
Isopropylbenzene	ND		1.00	1	10/04/2016 10:32	WG913564
p-Isopropyltoluene	ND		1.00	1	10/04/2016 10:32	WG913564
2-Butanone (MEK)	ND		10.0	1	10/04/2016 10:32	WG913564
Methylene Chloride	ND		5.00	1	10/04/2016 10:32	WG913564
4-Methyl-2-pentanone (MIBK)	ND		10.0	1	10/04/2016 10:32	WG913564
Methyl tert-butyl ether	ND		1.00	1	10/04/2016 10:32	WG913564
Naphthalene	ND		5.00	1	10/04/2016 10:32	WG913564
n-Propylbenzene	ND		1.00	1	10/04/2016 10:32	WG913564
Styrene	ND		1.00	1	10/04/2016 10:32	WG913564
1,1,1,2-Tetrachloroethane	ND		1.00	1	10/04/2016 10:32	WG913564
1,1,2,2-Tetrachloroethane	ND		1.00	1	10/04/2016 10:32	WG913564
1,1,2-Trichlorotrifluoroethane	ND		1.00	1	10/04/2016 10:32	WG913564
Tetrachloroethene	ND		1.00	1	10/04/2016 10:32	WG913564
Toluene	ND		5.00	1	10/04/2016 10:32	WG913564
1,2,3-Trichlorobenzene	ND		1.00	1	10/04/2016 10:32	WG913564

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result ug/l	Qualifier	RDL ug/l	Dilution	Analysis date / time	Batch
1,2,4-Trichlorobenzene	ND		1.00	1	10/04/2016 10:32	WG913564
1,1,1-Trichloroethane	ND		1.00	1	10/04/2016 10:32	WG913564
1,1,2-Trichloroethane	ND		1.00	1	10/04/2016 10:32	WG913564
Trichloroethene	ND		1.00	1	10/04/2016 10:32	WG913564
Trichlorofluoromethane	ND		5.00	1	10/04/2016 10:32	WG913564
1,2,3-Trichloropropane	ND		2.50	1	10/04/2016 10:32	WG913564
1,2,4-Trimethylbenzene	ND		1.00	1	10/04/2016 10:32	WG913564
1,2,3-Trimethylbenzene	ND		1.00	1	10/04/2016 10:32	WG913564
1,3,5-Trimethylbenzene	ND		1.00	1	10/04/2016 10:32	WG913564
Vinyl chloride	ND		1.00	1	10/04/2016 10:32	WG913564
Xylenes, Total	ND		3.00	1	10/04/2016 10:32	WG913564
(S) Toluene-d8	*101*		*90.0-115*		*10/04/2016 10:32*	WG913564
(S) Dibromofluoromethane	*97.5*		*79.0-121*		*10/04/2016 10:32*	WG913564
(S) 4-Bromofluorobenzene	*101*		*80.1-120*		*10/04/2016 10:32*	WG913564

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result ug/l	Qualifier	RDL ug/l	Dilution	Analysis date / time	Batch
Acetone	ND		50.0	1	10/04/2016 10:52	WG913564
Acrolein	ND		50.0	1	10/04/2016 10:52	WG913564
Acrylonitrile	ND		10.0	1	10/04/2016 10:52	WG913564
Benzene	ND		1.00	1	10/04/2016 10:52	WG913564
Bromobenzene	ND		1.00	1	10/04/2016 10:52	WG913564
Bromodichloromethane	ND		1.00	1	10/04/2016 10:52	WG913564
Bromoform	ND		1.00	1	10/04/2016 10:52	WG913564
Bromomethane	ND		5.00	1	10/04/2016 10:52	WG913564
n-Butylbenzene	ND		1.00	1	10/04/2016 10:52	WG913564
sec-Butylbenzene	ND		1.00	1	10/04/2016 10:52	WG913564
tert-Butylbenzene	ND		1.00	1	10/04/2016 10:52	WG913564
Carbon tetrachloride	ND		1.00	1	10/04/2016 10:52	WG913564
Chlorobenzene	ND		1.00	1	10/04/2016 10:52	WG913564
Chlorodibromomethane	ND		1.00	1	10/04/2016 10:52	WG913564
Chloroethane	ND		5.00	1	10/04/2016 10:52	WG913564
2-Chloroethyl vinyl ether	ND		50.0	1	10/04/2016 10:52	WG913564
Chloroform	ND		5.00	1	10/04/2016 10:52	WG913564
Chloromethane	ND		2.50	1	10/04/2016 10:52	WG913564
2-Chlorotoluene	ND		1.00	1	10/04/2016 10:52	WG913564
4-Chlorotoluene	ND		1.00	1	10/04/2016 10:52	WG913564
1,2-Dibromo-3-Chloropropane	ND		5.00	1	10/04/2016 10:52	WG913564
1,2-Dibromoethane	ND		1.00	1	10/04/2016 10:52	WG913564
Dibromomethane	ND		1.00	1	10/04/2016 10:52	WG913564
1,2-Dichlorobenzene	ND		1.00	1	10/04/2016 10:52	WG913564
1,3-Dichlorobenzene	ND		1.00	1	10/04/2016 10:52	WG913564
1,4-Dichlorobenzene	ND		1.00	1	10/04/2016 10:52	WG913564
Dichlorodifluoromethane	ND		5.00	1	10/04/2016 10:52	WG913564
1,1-Dichloroethane	ND		1.00	1	10/04/2016 10:52	WG913564
1,2-Dichloroethane	ND		1.00	1	10/04/2016 10:52	WG913564
1,1-Dichloroethene	ND		1.00	1	10/04/2016 10:52	WG913564
cis-1,2-Dichloroethene	ND		1.00	1	10/04/2016 10:52	WG913564
trans-1,2-Dichloroethene	ND		1.00	1	10/04/2016 10:52	WG913564
1,2-Dichloropropane	ND		1.00	1	10/04/2016 10:52	WG913564
1,1-Dichloropropene	ND		1.00	1	10/04/2016 10:52	WG913564
1,3-Dichloropropane	ND		1.00	1	10/04/2016 10:52	WG913564
cis-1,3-Dichloropropene	ND		1.00	1	10/04/2016 10:52	WG913564
trans-1,3-Dichloropropene	ND		1.00	1	10/04/2016 10:52	WG913564
2,2-Dichloropropane	ND		1.00	1	10/04/2016 10:52	WG913564
Di-isopropyl ether	ND		1.00	1	10/04/2016 10:52	WG913564
Ethylbenzene	ND		1.00	1	10/04/2016 10:52	WG913564
Hexachloro-1,3-butadiene	ND		1.00	1	10/04/2016 10:52	WG913564
Isopropylbenzene	ND		1.00	1	10/04/2016 10:52	WG913564
p-Isopropyltoluene	ND		1.00	1	10/04/2016 10:52	WG913564
2-Butanone (MEK)	ND		10.0	1	10/04/2016 10:52	WG913564
Methylene Chloride	ND		5.00	1	10/04/2016 10:52	WG913564
4-Methyl-2-pentanone (MIBK)	ND		10.0	1	10/04/2016 10:52	WG913564
Methyl tert-butyl ether	ND		1.00	1	10/04/2016 10:52	WG913564
Naphthalene	ND		5.00	1	10/04/2016 10:52	WG913564
n-Propylbenzene	ND		1.00	1	10/04/2016 10:52	WG913564
Styrene	ND		1.00	1	10/04/2016 10:52	WG913564
1,1,1,2-Tetrachloroethane	ND		1.00	1	10/04/2016 10:52	WG913564
1,1,2,2-Tetrachloroethane	ND		1.00	1	10/04/2016 10:52	WG913564
1,1,2-Trichlorotrifluoroethane	ND		1.00	1	10/04/2016 10:52	WG913564
Tetrachloroethene	ND		1.00	1	10/04/2016 10:52	WG913564
Toluene	ND		5.00	1	10/04/2016 10:52	WG913564
1,2,3-Trichlorobenzene	ND		1.00	1	10/04/2016 10:52	WG913564

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result ug/l	Qualifier	RDL ug/l	Dilution	Analysis date / time	Batch
1,2,4-Trichlorobenzene	ND		1.00	1	10/04/2016 10:52	WG913564
1,1,1-Trichloroethane	ND		1.00	1	10/04/2016 10:52	WG913564
1,1,2-Trichloroethane	ND		1.00	1	10/04/2016 10:52	WG913564
Trichloroethene	ND		1.00	1	10/04/2016 10:52	WG913564
Trichlorofluoromethane	ND		5.00	1	10/04/2016 10:52	WG913564
1,2,3-Trichloropropane	ND		2.50	1	10/04/2016 10:52	WG913564
1,2,4-Trimethylbenzene	ND		1.00	1	10/04/2016 10:52	WG913564
1,2,3-Trimethylbenzene	ND		1.00	1	10/04/2016 10:52	WG913564
1,3,5-Trimethylbenzene	ND		1.00	1	10/04/2016 10:52	WG913564
Vinyl chloride	ND		1.00	1	10/04/2016 10:52	WG913564
Xylenes, Total	ND		3.00	1	10/04/2016 10:52	WG913564
(S) Toluene-d8	*100*		*90.0-115*		*10/04/2016 10:52*	WG913564
(S) Dibromofluoromethane	*97.6*		*79.0-121*		*10/04/2016 10:52*	WG913564
(S) 4-Bromofluorobenzene	*103*		*80.1-120*		*10/04/2016 10:52*	WG913564

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result ug/l	Qualifier	RDL ug/l	Dilution	Analysis date / time	Batch
Acetone	ND		500	10	10/04/2016 03:21	WG913564
Acrolein	ND		500	10	10/04/2016 03:21	WG913564
Acrylonitrile	ND		100	10	10/04/2016 03:21	WG913564
Benzene	5760		50.0	50	10/05/2016 06:00	WG913564
Bromobenzene	ND		10.0	10	10/04/2016 03:21	WG913564
Bromodichloromethane	ND		10.0	10	10/04/2016 03:21	WG913564
Bromoform	ND		10.0	10	10/04/2016 03:21	WG913564
Bromomethane	ND		50.0	10	10/04/2016 03:21	WG913564
n-Butylbenzene	23.2		10.0	10	10/04/2016 03:21	WG913564
sec-Butylbenzene	19.0		10.0	10	10/04/2016 03:21	WG913564
tert-Butylbenzene	ND		10.0	10	10/04/2016 03:21	WG913564
Carbon tetrachloride	ND		10.0	10	10/04/2016 03:21	WG913564
Chlorobenzene	ND		10.0	10	10/04/2016 03:21	WG913564
Chlorodibromomethane	ND		10.0	10	10/04/2016 03:21	WG913564
Chloroethane	ND		50.0	10	10/04/2016 03:21	WG913564
2-Chloroethyl vinyl ether	ND		500	10	10/04/2016 03:21	WG913564
Chloroform	ND		50.0	10	10/04/2016 03:21	WG913564
Chloromethane	ND		25.0	10	10/04/2016 03:21	WG913564
2-Chlorotoluene	ND		10.0	10	10/04/2016 03:21	WG913564
4-Chlorotoluene	ND		10.0	10	10/04/2016 03:21	WG913564
1,2-Dibromo-3-Chloropropane	ND		50.0	10	10/04/2016 03:21	WG913564
1,2-Dibromoethane	ND		10.0	10	10/04/2016 03:21	WG913564
Dibromomethane	ND		10.0	10	10/04/2016 03:21	WG913564
1,2-Dichlorobenzene	ND		10.0	10	10/04/2016 03:21	WG913564
1,3-Dichlorobenzene	ND		10.0	10	10/04/2016 03:21	WG913564
1,4-Dichlorobenzene	ND		10.0	10	10/04/2016 03:21	WG913564
Dichlorodifluoromethane	ND	J3	50.0	10	10/04/2016 03:21	WG913564
1,1-Dichloroethane	ND		10.0	10	10/04/2016 03:21	WG913564
1,2-Dichloroethane	ND		10.0	10	10/04/2016 03:21	WG913564
1,1-Dichloroethene	ND		10.0	10	10/04/2016 03:21	WG913564
cis-1,2-Dichloroethene	ND		10.0	10	10/04/2016 03:21	WG913564
trans-1,2-Dichloroethene	ND		10.0	10	10/04/2016 03:21	WG913564
1,2-Dichloropropane	ND		10.0	10	10/04/2016 03:21	WG913564
1,1-Dichloropropene	ND		10.0	10	10/04/2016 03:21	WG913564
1,3-Dichloropropane	ND		10.0	10	10/04/2016 03:21	WG913564
cis-1,3-Dichloropropene	ND		10.0	10	10/04/2016 03:21	WG913564
trans-1,3-Dichloropropene	ND		10.0	10	10/04/2016 03:21	WG913564
2,2-Dichloropropane	ND		10.0	10	10/04/2016 03:21	WG913564
Di-isopropyl ether	ND		10.0	10	10/04/2016 03:21	WG913564
Ethylbenzene	4280		50.0	50	10/05/2016 06:00	WG913564
Hexachloro-1,3-butadiene	ND		10.0	10	10/04/2016 03:21	WG913564
Isopropylbenzene	122		10.0	10	10/04/2016 03:21	WG913564
p-Isopropyltoluene	ND		10.0	10	10/04/2016 03:21	WG913564
2-Butanone (MEK)	ND		100	10	10/04/2016 03:21	WG913564
Methylene Chloride	ND		50.0	10	10/04/2016 03:21	WG913564
4-Methyl-2-pentanone (MIBK)	ND		100	10	10/04/2016 03:21	WG913564
Methyl tert-butyl ether	ND		10.0	10	10/04/2016 03:21	WG913564
Naphthalene	616		50.0	10	10/04/2016 03:21	WG913564
n-Propylbenzene	407		10.0	10	10/04/2016 03:21	WG913564
Styrene	ND		10.0	10	10/04/2016 03:21	WG913564
1,1,1,2-Tetrachloroethane	ND		10.0	10	10/04/2016 03:21	WG913564
1,1,2,2-Tetrachloroethane	ND		10.0	10	10/04/2016 03:21	WG913564
1,1,2-Trichlorotrifluoroethane	ND		10.0	10	10/04/2016 03:21	WG913564
Tetrachloroethene	ND		10.0	10	10/04/2016 03:21	WG913564
Toluene	16300		2500	500	10/06/2016 00:45	WG913564
1,2,3-Trichlorobenzene	ND		10.0	10	10/04/2016 03:21	WG913564

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result ug/l	Qualifier	RDL ug/l	Dilution	Analysis date / time	Batch
1,2,4-Trichlorobenzene	ND		10.0	10	10/04/2016 03:21	WG913564
1,1,1-Trichloroethane	ND		10.0	10	10/04/2016 03:21	WG913564
1,1,2-Trichloroethane	ND		10.0	10	10/04/2016 03:21	WG913564
Trichloroethene	ND		10.0	10	10/04/2016 03:21	WG913564
Trichlorofluoromethane	ND		50.0	10	10/04/2016 03:21	WG913564
1,2,3-Trichloropropane	ND		25.0	10	10/04/2016 03:21	WG913564
1,2,4-Trimethylbenzene	3670		50.0	50	10/05/2016 06:00	WG913564
1,2,3-Trimethylbenzene	694		10.0	10	10/04/2016 03:21	WG913564
1,3,5-Trimethylbenzene	683		10.0	10	10/04/2016 03:21	WG913564
Vinyl chloride	ND		10.0	10	10/04/2016 03:21	WG913564
Xylenes, Total	16900		150	50	10/05/2016 06:00	WG913564
(S) Toluene-d8	*100*		*90.0-115*		*10/05/2016 06:00*	WG913564
(S) Toluene-d8	*98.3*		*90.0-115*		*10/04/2016 03:21*	WG913564
(S) Toluene-d8	*101*		*90.0-115*		*10/06/2016 00:45*	WG913564
(S) Dibromofluoromethane	*100*		*79.0-121*		*10/06/2016 00:45*	WG913564
(S) Dibromofluoromethane	*113*		*79.0-121*		*10/04/2016 03:21*	WG913564
(S) Dibromofluoromethane	*92.7*		*79.0-121*		*10/05/2016 06:00*	WG913564
(S) 4-Bromofluorobenzene	*100*		*80.1-120*		*10/05/2016 06:00*	WG913564
(S) 4-Bromofluorobenzene	*101*		*80.1-120*		*10/04/2016 03:21*	WG913564
(S) 4-Bromofluorobenzene	*101*		*80.1-120*		*10/06/2016 00:45*	WG913564

Method Blank (MB)

(MB) R3167936-3 10/04/16 02:00

Analyte	MB Result ug/l	MB Qualifier	MB MDL ug/l	MB RDL ug/l
Acetone	U		10.0	50.0
Acrolein	U		8.87	50.0
Acrylonitrile	U		1.87	10.0
Benzene	U		0.331	1.00
Bromobenzene	U		0.352	1.00
Bromodichloromethane	U		0.380	1.00
Bromoform	U		0.469	1.00
Bromomethane	U		0.866	5.00
n-Butylbenzene	U		0.361	1.00
sec-Butylbenzene	U		0.365	1.00
tert-Butylbenzene	U		0.399	1.00
Carbon tetrachloride	U		0.379	1.00
Chlorobenzene	U		0.348	1.00
Chlorodibromomethane	U		0.327	1.00
Chloroethane	U		0.453	5.00
2-Chloroethyl vinyl ether	U		3.01	50.0
Chloroform	U		0.324	5.00
Chloromethane	U		0.276	2.50
2-Chlorotoluene	U		0.375	1.00
4-Chlorotoluene	U		0.351	1.00
1,2-Dibromo-3-Chloropropane	U		1.33	5.00
1,2-Dibromoethane	U		0.381	1.00
Dibromomethane	U		0.346	1.00
1,2-Dichlorobenzene	U		0.349	1.00
1,3-Dichlorobenzene	U		0.220	1.00
1,4-Dichlorobenzene	U		0.274	1.00
Dichlorodifluoromethane	U		0.551	5.00
1,1-Dichloroethane	U		0.259	1.00
1,2-Dichloroethane	U		0.361	1.00
1,1-Dichloroethene	U		0.398	1.00
cis-1,2-Dichloroethene	U		0.260	1.00
trans-1,2-Dichloroethene	U		0.396	1.00
1,2-Dichloropropane	U		0.306	1.00
1,1-Dichloropropene	U		0.352	1.00
1,3-Dichloropropane	U		0.366	1.00
cis-1,3-Dichloropropene	U		0.418	1.00
trans-1,3-Dichloropropene	U		0.419	1.00
2,2-Dichloropropane	U		0.321	1.00
Di-isopropyl ether	U		0.320	1.00
Ethylbenzene	U		0.384	1.00

Method Blank (MB)

(MB) R3167936-3 10/04/16 02:00

Analyte	MB Result ug/l	MB Qualifier	MB MDL ug/l	MB RDL ug/l
Hexachloro-1,3-butadiene	U		0.256	1.00
Isopropylbenzene	U		0.326	1.00
p-Isopropyltoluene	U		0.350	1.00
2-Butanone (MEK)	U		3.93	10.0
Methylene Chloride	U		1.00	5.00
4-Methyl-2-pentanone (MIBK)	U		2.14	10.0
Methyl tert-butyl ether	U		0.367	1.00
Naphthalene	U		1.00	5.00
n-Propylbenzene	U		0.349	1.00
Styrene	U		0.307	1.00
1,1,1,2-Tetrachloroethane	U		0.385	1.00
1,1,2,2-Tetrachloroethane	U		0.130	1.00
Tetrachloroethene	U		0.372	1.00
Toluene	U		0.780	5.00
1,1,2-Trichlorotrifluoroethane	U		0.303	1.00
1,2,3-Trichlorobenzene	U		0.230	1.00
1,2,4-Trichlorobenzene	U		0.355	1.00
1,1,1-Trichloroethane	U		0.319	1.00
1,1,2-Trichloroethane	U		0.383	1.00
Trichloroethene	U		0.398	1.00
Trichlorofluoromethane	U		1.20	5.00
1,2,3-Trichloropropane	U		0.807	2.50
1,2,3-Trimethylbenzene	U		0.321	1.00
1,2,4-Trimethylbenzene	U		0.373	1.00
1,3,5-Trimethylbenzene	U		0.387	1.00
Vinyl chloride	U		0.259	1.00
Xylenes, Total	U		1.06	3.00
(S) Toluene-d8	*101*			*90.0-115*
(S) Dibromofluoromethane	*98.3*			*79.0-121*
(S) 4-Bromofluorobenzene	*103*			*80.1-120*

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

(LCS) R3167936-1 10/04/16 00:38 • (LCSD) R3167936-2 10/04/16 00:59

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 %
Acetone	125	130	138	104	110	28.7-175			5.97	20.9
Acrolein	125	128	137	102	109	40.4-172			6.96	20
Acrylonitrile	125	124	132	98.9	105	58.2-145			6.45	20

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

(LCS) R3167936-1 10/04/16 00:38 • (LCSD) R3167936-2 10/04/16 00:59

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 %
Benzene	25.0	23.7	23.6	94.8	94.4	73.0-122			0.370	20
Bromobenzene	25.0	22.9	23.4	91.4	93.4	81.5-115			2.21	20
Bromodichloromethane	25.0	23.6	24.3	94.4	97.2	75.5-121			2.94	20
Bromoform	25.0	24.4	25.9	97.7	103	71.5-131			5.66	20
Bromomethane	25.0	19.0	22.2	76.2	88.6	22.4-187			15.1	20
n-Butylbenzene	25.0	23.8	24.5	95.1	98.0	75.9-134			2.97	20
sec-Butylbenzene	25.0	23.4	23.9	93.5	95.4	80.6-126			2.02	20
tert-Butylbenzene	25.0	23.3	24.0	93.2	96.1	79.3-127			3.06	20
Carbon tetrachloride	25.0	23.2	25.9	93.0	104	70.9-129			10.9	20
Chlorobenzene	25.0	23.6	24.2	94.3	96.6	79.7-122			2.43	20
Chlorodibromomethane	25.0	24.2	25.2	96.9	101	78.2-124			3.97	20
Chloroethane	25.0	23.6	24.3	94.5	97.1	41.2-153			2.75	20
2-Chloroethyl vinyl ether	125	121	127	96.4	101	23.4-162			4.95	23.5
Chloroform	25.0	24.1	24.4	96.3	97.4	73.2-125			1.19	20
Chloromethane	25.0	23.4	23.1	93.6	92.4	55.8-134			1.30	20
2-Chlorotoluene	25.0	23.7	24.2	94.8	96.6	76.4-125			1.95	20
4-Chlorotoluene	25.0	23.8	24.1	95.0	96.6	81.5-121			1.62	20
1,2-Dibromo-3-Chloropropane	25.0	23.5	26.5	94.2	106	64.8-131			11.8	20
1,2-Dibromoethane	25.0	23.7	24.8	95.0	99.4	79.8-122			4.55	20
Dibromomethane	25.0	23.8	24.8	95.2	99.1	79.5-118			3.99	20
1,2-Dichlorobenzene	25.0	23.4	25.0	93.4	99.8	84.7-118			6.61	20
1,3-Dichlorobenzene	25.0	23.0	23.5	92.0	93.8	77.6-127			1.94	20
1,4-Dichlorobenzene	25.0	22.5	24.1	90.0	96.3	82.2-114			6.77	20
Dichlorodifluoromethane	25.0	27.9	27.6	112	111	56.0-134			1.11	20
1,1-Dichloroethane	25.0	24.5	24.4	97.9	97.4	71.7-127			0.500	20
1,2-Dichloroethane	25.0	23.9	24.9	95.7	99.8	65.3-126			4.11	20
1,1-Dichloroethene	25.0	25.9	24.6	104	98.5	59.9-137			5.23	20
cis-1,2-Dichloroethene	25.0	24.6	24.9	98.3	99.5	77.3-122			1.27	20
trans-1,2-Dichloroethene	25.0	24.4	24.0	97.5	96.1	72.6-125			1.44	20
1,2-Dichloropropane	25.0	23.4	24.0	93.7	95.9	77.4-125			2.31	20
1,1-Dichloropropene	25.0	24.7	24.6	98.9	98.6	72.5-127			0.390	20
1,3-Dichloropropane	25.0	23.3	24.3	93.1	97.1	80.6-115			4.18	20
cis-1,3-Dichloropropene	25.0	24.3	25.0	97.2	100	77.7-124			2.97	20
trans-1,3-Dichloropropene	25.0	23.9	24.8	95.5	99.3	73.5-127			3.83	20
2,2-Dichloropropane	25.0	24.4	23.9	97.7	95.7	61.3-134			2.03	20
Di-isopropyl ether	25.0	22.5	23.3	90.0	93.2	65.1-135			3.46	20
Ethylbenzene	25.0	23.4	23.5	93.7	94.0	80.9-121			0.340	20
Hexachloro-1,3-butadiene	25.0	22.9	22.8	91.6	91.2	73.7-133			0.370	20
Isopropylbenzene	25.0	23.4	23.7	93.6	94.8	81.6-124			1.28	20
p-Isopropyltoluene	25.0	24.5	24.6	98.1	98.4	77.6-129			0.300	20

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

(LCS) R3167936-1 10/04/16 00:38 • (LCSD) R3167936-2 10/04/16 00:59

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 %
2-Butanone (MEK)	125	129	139	103	111	46.4-155			7.31	20
Methylene Chloride	25.0	23.3	23.6	93.0	94.4	69.5-120			1.50	20
4-Methyl-2-pentanone (MIBK)	125	118	127	94.1	102	63.3-138			7.78	20
Methyl tert-butyl ether	25.0	22.8	23.7	91.3	95.0	70.1-125			3.97	20
Naphthalene	25.0	23.3	25.6	93.2	103	69.7-134			9.58	20
n-Propylbenzene	25.0	23.8	24.2	95.2	96.9	81.9-122			1.83	20
Styrene	25.0	24.8	25.5	99.2	102	79.9-124			2.62	20
1,1,1,2-Tetrachloroethane	25.0	24.1	24.9	96.3	99.5	78.5-125			3.23	20
1,1,2,2-Tetrachloroethane	25.0	21.8	23.2	87.4	93.0	79.3-123			6.24	20
Tetrachloroethene	25.0	23.0	23.2	92.0	92.7	73.5-130			0.800	20
Toluene	25.0	22.8	23.4	91.1	93.7	77.9-116			2.80	20
1,1,2-Trichlorotrifluoroethane	25.0	27.9	26.3	112	105	62.0-141			6.18	20
1,2,3-Trichlorobenzene	25.0	23.0	24.4	91.9	97.7	75.7-134			6.08	20
1,2,4-Trichlorobenzene	25.0	24.0	25.7	95.8	103	76.1-136			7.07	20
1,1,1-Trichloroethane	25.0	23.2	23.2	92.9	92.9	71.1-129			0.0400	20
1,1,2-Trichloroethane	25.0	22.4	23.7	89.6	94.8	81.6-120			5.64	20
Trichloroethene	25.0	23.7	23.7	94.6	94.9	79.5-121			0.340	20
Trichlorofluoromethane	25.0	25.2	24.7	101	98.9	49.1-157			1.82	20
1,2,3-Trichloropropane	25.0	22.8	24.1	91.2	96.4	74.9-124			5.64	20
1,2,3-Trimethylbenzene	25.0	22.2	23.6	88.7	94.2	79.9-118			5.99	20
1,2,4-Trimethylbenzene	25.0	23.8	24.3	95.4	97.0	79.0-122			1.71	20
1,3,5-Trimethylbenzene	25.0	23.1	23.8	92.3	95.4	81.0-123			3.31	20
Vinyl chloride	25.0	25.0	24.8	100	99.0	61.5-134			1.16	20
Xylenes, Total	75.0	71.5	72.1	95.3	96.1	79.2-122			0.890	20
(S) Toluene-d8				*102*	*101*	*90.0-115*				
(S) Dibromofluoromethane				*105*	*100*	*79.0-121*				
(S) 4-Bromofluorobenzene				*102*	*101*	*80.1-120*				

L862084-21 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L862084-21 10/04/16 03:21 • (MS) R3167936-4 10/04/16 03:42 • (MSD) R3167936-5 10/04/16 04:02

Analyte	Spike Amount ug/l	Original Result ug/l	MS Result ug/l	MSD Result ug/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Acetone	125	ND	864	885	69.2	70.8	10	25.0-156			2.32	21.5
Acrolein	125	ND	1750	1800	140	144	10	34.0-194			2.57	21.5
Acrylonitrile	125	ND	1300	1320	104	106	10	55.9-161			1.25	20
Benzene	25.0	4470	5100	5150	250	273	10	58.6-133	E V	E V	1.12	20
Bromobenzene	25.0	ND	252	259	101	104	10	70.6-125			2.97	20
Bromodichloromethane	25.0	ND	209	217	83.7	86.6	10	69.2-127			3.45	20

L862084-21 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L862084-21 10/04/16 03:21 • (MS) R3167936-4 10/04/16 03:42 • (MSD) R3167936-5 10/04/16 04:02

Analyte	Spike Amount ug/l	Original Result ug/l	MS Result ug/l	MSD Result ug/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Bromoform	25.0	ND	224	227	89.6	90.6	10	66.3-140			1.18	20
Bromomethane	25.0	ND	209	212	83.5	84.7	10	16.6-183			1.43	20.5
n-Butylbenzene	25.0	23.2	244	254	88.5	92.2	10	64.8-145			3.75	20
sec-Butylbenzene	25.0	19.0	241	250	88.7	92.6	10	66.8-139			3.92	20
tert-Butylbenzene	25.0	ND	222	232	88.7	93.0	10	67.1-138			4.70	20
Carbon tetrachloride	25.0	ND	240	231	96.1	92.4	10	60.6-139			3.95	20
Chlorobenzene	25.0	ND	192	201	76.9	80.5	10	70.1-130			4.64	20
Chlorodibromomethane	25.0	ND	222	231	88.9	92.4	10	71.6-132			3.89	20
Chloroethane	25.0	ND	191	208	76.4	83.2	10	33.3-155			8.51	20
2-Chloroethyl vinyl ether	125	ND	416	380	33.2	30.4	10	5.00-149			8.86	40
Chloroform	25.0	ND	233	242	93.1	97.0	10	66.1-133			4.08	20
Chloromethane	25.0	ND	165	188	65.8	75.3	10	40.7-139			13.5	20
2-Chlorotoluene	25.0	ND	284	293	114	117	10	66.9-134			2.87	20
4-Chlorotoluene	25.0	ND	212	222	84.8	88.8	10	66.8-134			4.64	20
1,2-Dibromo-3-Chloropropane	25.0	ND	235	235	94.0	93.9	10	63.9-142			0.150	20.2
1,2-Dibromoethane	25.0	ND	217	219	86.8	87.4	10	73.8-131			0.780	20
Dibromomethane	25.0	ND	208	213	83.2	85.3	10	72.8-127			2.49	20
1,2-Dichlorobenzene	25.0	ND	218	224	87.0	89.6	10	77.4-127			2.92	20
1,3-Dichlorobenzene	25.0	ND	216	223	86.5	89.3	10	67.9-136			3.15	20
1,4-Dichlorobenzene	25.0	ND	204	211	81.5	84.5	10	74.4-123			3.61	20
Dichlorodifluoromethane	25.0	ND	191	236	76.6	94.2	10	42.2-146		J3	20.6	20
1,1-Dichloroethane	25.0	ND	224	237	89.6	94.7	10	64.0-134			5.60	20
1,2-Dichloroethane	25.0	ND	220	229	88.0	91.8	10	60.7-132			4.16	20
1,1-Dichloroethene	25.0	ND	204	228	81.5	91.1	10	48.8-144			11.1	20
cis-1,2-Dichloroethene	25.0	ND	222	243	88.7	97.2	10	60.6-136			9.17	20
trans-1,2-Dichloroethene	25.0	ND	198	215	79.1	86.2	10	61.0-132			8.59	20
1,2-Dichloropropane	25.0	ND	209	214	83.7	85.8	10	69.7-130			2.49	20
1,1-Dichloropropene	25.0	ND	218	234	87.4	93.7	10	61.5-136			7.02	20
1,3-Dichloropropane	25.0	ND	210	219	84.1	87.7	10	74.3-123			4.26	20
cis-1,3-Dichloropropene	25.0	ND	210	216	84.1	86.3	10	71.1-129			2.62	20
trans-1,3-Dichloropropene	25.0	ND	207	207	82.9	83.0	10	66.3-136			0.150	20
2,2-Dichloropropane	25.0	ND	235	266	93.9	106	10	54.9-142			12.5	20
Di-isopropyl ether	25.0	ND	214	223	85.6	89.3	10	59.9-140			4.21	20
Ethylbenzene	25.0	2960	3620	3670	264	288	10	62.7-136	E V	E V	1.62	20
Hexachloro-1,3-butadiene	25.0	ND	220	223	88.1	89.1	10	61.1-144			1.09	20.1
Isopropylbenzene	25.0	122	356	368	93.4	98.1	10	67.4-136			3.29	20
p-Isopropyltoluene	25.0	ND	260	271	102	106	10	62.8-143			4.23	20
2-Butanone (MEK)	125	ND	1110	1120	88.5	89.7	10	45.0-156			1.36	20.8
Methylene Chloride	25.0	ND	205	213	81.8	85.2	10	61.5-125			4.02	20
4-Methyl-2-pentanone (MIBK)	125	ND	1080	1090	86.4	87.0	10	60.7-150			0.730	20

L862084-21 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L862084-21 10/04/16 03:21 • (MS) R3167936-4 10/04/16 03:42 • (MSD) R3167936-5 10/04/16 04:02

Analyte	Spike Amount ug/l	Original Result ug/l	MS Result ug/l	MSD Result ug/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Methyl tert-butyl ether	25.0	ND	219	225	87.8	89.9	10	61.4-136			2.40	20
Naphthalene	25.0	616	943	952	131	134	10	61.8-143			0.920	20
n-Propylbenzene	25.0	407	686	703	112	118	10	63.2-139			2.36	20
Styrene	25.0	ND	217	221	86.8	88.4	10	68.2-133			1.75	20
1,1,1,2-Tetrachloroethane	25.0	ND	218	228	87.2	91.2	10	70.5-132			4.47	20
1,1,2,2-Tetrachloroethane	25.0	ND	210	213	84.0	85.0	10	64.9-145			1.22	20
Tetrachloroethene	25.0	ND	193	209	77.1	83.5	10	57.4-141			7.92	20
Toluene	25.0	5290	6180	6240	354	380	10	67.8-124	E V	E V	1.07	20
1,1,2-Trichlorotrifluoroethane	25.0	ND	243	283	97.3	113	10	53.7-150			15.2	20
1,2,3-Trichlorobenzene	25.0	ND	211	218	84.4	87.3	10	65.7-143			3.31	20
1,2,4-Trichlorobenzene	25.0	ND	228	236	91.3	94.5	10	67.0-146			3.49	20
1,1,1-Trichloroethane	25.0	ND	223	243	89.4	97.2	10	58.7-134			8.38	20
1,1,2-Trichloroethane	25.0	ND	210	218	84.2	87.2	10	74.1-130			3.48	20
Trichloroethene	25.0	ND	191	203	76.3	81.3	10	48.9-148			6.37	20
Trichlorofluoromethane	25.0	ND	205	237	82.0	94.9	10	39.9-165			14.5	20
1,2,3-Trichloropropane	25.0	ND	216	226	86.6	90.6	10	71.5-134			4.52	20
1,2,3-Trimethylbenzene	25.0	694	978	988	114	118	10	62.7-133			1.03	20
1,2,4-Trimethylbenzene	25.0	2470	3090	3100	248	252	10	60.5-137	E V	E V	0.280	20
1,3,5-Trimethylbenzene	25.0	683	997	1010	125	131	10	67.9-134			1.49	20
Vinyl chloride	25.0	ND	185	209	74.1	83.4	10	44.3-143			11.9	20
Xylenes, Total	75.0	9610	11700	11900	282	300	10	65.6-133	E V	E V	1.12	20
(S) Toluene-d8					*99.9*	*99.4*		*90.0-115*				
(S) Dibromofluoromethane					*111*	*112*		*79.0-121*				
(S) 4-Bromofluorobenzene					*104*	*105*		*80.1-120*				

Method Blank (MB)

(MB) R3168364-3 10/04/16 13:36

Analyte	MB Result ug/l	MB Qualifier	MB MDL ug/l	MB RDL ug/l
Acetone	U		10.0	50.0
Acrolein	U		8.87	50.0
Acrylonitrile	U		1.87	10.0
Benzene	U		0.331	1.00
Bromobenzene	U		0.352	1.00
Bromodichloromethane	U		0.380	1.00
Bromoform	U		0.469	1.00
Bromomethane	U		0.866	5.00
n-Butylbenzene	U		0.361	1.00
sec-Butylbenzene	U		0.365	1.00
tert-Butylbenzene	U		0.399	1.00
Carbon tetrachloride	U		0.379	1.00
Chlorobenzene	U		0.348	1.00
Chlorodibromomethane	U		0.327	1.00
Chloroethane	U		0.453	5.00
2-Chloroethyl vinyl ether	U		3.01	50.0
Chloroform	U		0.324	5.00
Chloromethane	U		0.276	2.50
2-Chlorotoluene	U		0.375	1.00
4-Chlorotoluene	U		0.351	1.00
1,2-Dibromo-3-Chloropropane	U		1.33	5.00
1,2-Dibromoethane	U		0.381	1.00
Dibromomethane	U		0.346	1.00
1,2-Dichlorobenzene	U		0.349	1.00
1,3-Dichlorobenzene	U		0.220	1.00
1,4-Dichlorobenzene	U		0.274	1.00
Dichlorodifluoromethane	U		0.551	5.00
1,1-Dichloroethane	U		0.259	1.00
1,2-Dichloroethane	U		0.361	1.00
1,1-Dichloroethene	U		0.398	1.00
cis-1,2-Dichloroethene	U		0.260	1.00
trans-1,2-Dichloroethene	U		0.396	1.00
1,2-Dichloropropane	U		0.306	1.00
1,1-Dichloropropene	U		0.352	1.00
1,3-Dichloropropane	U		0.366	1.00
cis-1,3-Dichloropropene	U		0.418	1.00
trans-1,3-Dichloropropene	U		0.419	1.00
2,2-Dichloropropane	U		0.321	1.00
Di-isopropyl ether	U		0.320	1.00
Ethylbenzene	U		0.384	1.00

Method Blank (MB)

(MB) R3168364-3 10/04/16 13:36

Analyte	MB Result ug/l	MB Qualifier	MB MDL ug/l	MB RDL ug/l
Hexachloro-1,3-butadiene	U		0.256	1.00
Isopropylbenzene	U		0.326	1.00
p-Isopropyltoluene	U		0.350	1.00
2-Butanone (MEK)	U		3.93	10.0
Methylene Chloride	U		1.00	5.00
4-Methyl-2-pentanone (MIBK)	U		2.14	10.0
Methyl tert-butyl ether	U		0.367	1.00
Naphthalene	U		1.00	5.00
n-Propylbenzene	U		0.349	1.00
Styrene	U		0.307	1.00
1,1,1,2-Tetrachloroethane	U		0.385	1.00
1,1,2,2-Tetrachloroethane	U		0.130	1.00
Tetrachloroethene	U		0.372	1.00
Toluene	U		0.780	5.00
1,1,2-Trichlorotrifluoroethane	U		0.303	1.00
1,2,3-Trichlorobenzene	U		0.230	1.00
1,2,4-Trichlorobenzene	U		0.355	1.00
1,1,1-Trichloroethane	U		0.319	1.00
1,1,2-Trichloroethane	U		0.383	1.00
Trichloroethene	U		0.398	1.00
Trichlorofluoromethane	U		1.20	5.00
1,2,3-Trichloropropane	U		0.807	2.50
1,2,3-Trimethylbenzene	U		0.321	1.00
1,2,4-Trimethylbenzene	U		0.373	1.00
1,3,5-Trimethylbenzene	U		0.387	1.00
Vinyl chloride	U		0.259	1.00
Xylenes, Total	U		1.06	3.00
(S) Toluene-d8	*99.4*			*90.0-115*
(S) Dibromofluoromethane	*89.9*			*79.0-121*
(S) 4-Bromofluorobenzene	*103*			*80.1-120*

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

(LCS) R3168364-1 10/04/16 12:31 • (LCSD) R3168364-2 10/04/16 12:52

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 %
Acetone	125	99.1	114	79.3	90.8	28.7-175			13.6	20.9
Acrolein	125	93.2	81.8	74.5	65.5	40.4-172			12.9	20
Acrylonitrile	125	122	118	97.8	94.7	58.2-145			3.28	20

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

(LCS) R3168364-1 10/04/16 12:31 • (LCSD) R3168364-2 10/04/16 12:52

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 %
Benzene	25.0	25.8	24.8	103	99.2	73.0-122			4.00	20
Bromobenzene	25.0	26.5	25.7	106	103	81.5-115			2.74	20
Bromodichloromethane	25.0	25.1	24.7	101	98.8	75.5-121			1.84	20
Bromoform	25.0	27.8	26.4	111	105	71.5-131			5.40	20
Bromomethane	25.0	25.7	22.8	103	91.3	22.4-187			11.9	20
n-Butylbenzene	25.0	22.5	21.6	89.8	86.3	75.9-134			3.95	20
sec-Butylbenzene	25.0	24.8	23.9	99.2	95.8	80.6-126			3.50	20
tert-Butylbenzene	25.0	26.3	25.1	105	100	79.3-127			4.99	20
Carbon tetrachloride	25.0	21.7	19.9	86.8	79.7	70.9-129			8.56	20
Chlorobenzene	25.0	28.7	27.9	115	112	79.7-122			2.72	20
Chlorodibromomethane	25.0	28.6	27.8	114	111	78.2-124			2.62	20
Chloroethane	25.0	25.3	22.4	101	89.5	41.2-153			12.1	20
2-Chloroethyl vinyl ether	125	168	164	134	131	23.4-162			2.41	23.5
Chloroform	25.0	24.8	24.1	99.2	96.5	73.2-125			2.84	20
Chloromethane	25.0	22.8	21.3	91.0	85.0	55.8-134			6.78	20
2-Chlorotoluene	25.0	26.1	25.1	105	101	76.4-125			3.85	20
4-Chlorotoluene	25.0	26.9	26.1	108	105	81.5-121			2.89	20
1,2-Dibromo-3-Chloropropane	25.0	27.3	26.2	109	105	64.8-131			4.03	20
1,2-Dibromoethane	25.0	30.8	30.4	123	122	79.8-122	J4		1.20	20
Dibromomethane	25.0	28.2	27.2	113	109	79.5-118			3.58	20
1,2-Dichlorobenzene	25.0	25.8	25.3	103	101	84.7-118			2.03	20
1,3-Dichlorobenzene	25.0	26.7	26.1	107	104	77.6-127			2.55	20
1,4-Dichlorobenzene	25.0	25.6	25.2	102	101	82.2-114			1.53	20
Dichlorodifluoromethane	25.0	26.3	23.8	105	95.3	56.0-134			9.76	20
1,1-Dichloroethane	25.0	25.1	23.9	101	95.6	71.7-127			5.08	20
1,2-Dichloroethane	25.0	25.3	24.6	101	98.5	65.3-126			2.53	20
1,1-Dichloroethene	25.0	24.2	22.1	96.9	88.5	59.9-137			9.02	20
cis-1,2-Dichloroethene	25.0	26.9	26.0	108	104	77.3-122			3.57	20
trans-1,2-Dichloroethene	25.0	26.3	25.1	105	100	72.6-125			4.72	20
1,2-Dichloropropane	25.0	26.0	25.2	104	101	77.4-125			3.19	20
1,1-Dichloropropene	25.0	25.9	24.4	104	97.6	72.5-127			5.88	20
1,3-Dichloropropane	25.0	29.6	29.5	119	118	80.6-115	J4	J4	0.490	20
cis-1,3-Dichloropropene	25.0	27.3	26.3	109	105	77.7-124			3.52	20
trans-1,3-Dichloropropene	25.0	27.1	26.0	108	104	73.5-127			4.11	20
2,2-Dichloropropane	25.0	24.8	22.7	99.3	90.9	61.3-134			8.83	20
Di-isopropyl ether	25.0	21.6	20.4	86.4	81.7	65.1-135			5.50	20
Ethylbenzene	25.0	28.2	27.4	113	110	80.9-121			2.85	20
Hexachloro-1,3-butadiene	25.0	20.8	20.3	83.0	81.1	73.7-133			2.29	20
Isopropylbenzene	25.0	26.4	25.2	106	101	81.6-124			4.53	20
p-Isopropyltoluene	25.0	26.2	25.1	105	100	77.6-129			4.27	20

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

(LCS) R3168364-1 10/04/16 12:31 • (LCSD) R3168364-2 10/04/16 12:52

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 %
2-Butanone (MEK)	125	114	115	90.9	91.8	46.4-155			1.02	20
Methylene Chloride	25.0	25.9	25.0	103	99.8	69.5-120			3.56	20
4-Methyl-2-pentanone (MIBK)	125	120	115	95.8	92.2	63.3-138			3.83	20
Methyl tert-butyl ether	25.0	18.7	16.7	74.9	66.8	70.1-125		J4	11.4	20
Naphthalene	25.0	26.7	26.8	107	107	69.7-134			0.180	20
n-Propylbenzene	25.0	26.4	25.4	105	102	81.9-122			3.73	20
Styrene	25.0	29.1	28.0	116	112	79.9-124			3.72	20
1,1,1,2-Tetrachloroethane	25.0	27.2	25.8	109	103	78.5-125			5.27	20
1,1,2,2-Tetrachloroethane	25.0	29.5	28.8	118	115	79.3-123			2.23	20
Tetrachloroethene	25.0	27.5	26.6	110	107	73.5-130			3.14	20
Toluene	25.0	27.5	26.3	110	105	77.9-116			4.22	20
1,1,2-Trichlorotrifluoroethane	25.0	15.4	13.0	61.7	52.1	62.0-141	J4	J4	16.9	20
1,2,3-Trichlorobenzene	25.0	25.8	25.6	103	102	75.7-134			0.620	20
1,2,4-Trichlorobenzene	25.0	26.2	26.0	105	104	76.1-136			0.730	20
1,1,1-Trichloroethane	25.0	21.6	20.6	86.3	82.5	71.1-129			4.47	20
1,1,2-Trichloroethane	25.0	29.3	29.2	117	117	81.6-120			0.130	20
Trichloroethene	25.0	25.9	25.1	103	100	79.5-121			3.14	20
Trichlorofluoromethane	25.0	23.0	20.2	91.9	80.9	49.1-157			12.7	20
1,2,3-Trichloropropane	25.0	29.8	29.4	119	118	74.9-124			1.43	20
1,2,3-Trimethylbenzene	25.0	24.5	23.6	98.1	94.4	79.9-118			3.75	20
1,2,4-Trimethylbenzene	25.0	26.2	25.3	105	101	79.0-122			3.73	20
1,3,5-Trimethylbenzene	25.0	25.8	24.7	103	98.7	81.0-123			4.43	20
Vinyl chloride	25.0	24.2	22.4	96.9	89.4	61.5-134			7.99	20
Xylenes, Total	75.0	83.4	80.3	111	107	79.2-122			3.82	20
(S) Toluene-d8				*100*	*99.3*	*90.0-115*				
(S) Dibromofluoromethane				*90.1*	*88.4*	*79.0-121*				
(S) 4-Bromofluorobenzene				*101*	*102*	*80.1-120*				

L862084-15 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L862084-15 10/04/16 21:27 • (MS) R3168364-4 10/04/16 21:48 • (MSD) R3168364-5 10/04/16 22:10

Analyte	Spike Amount ug/l	Original Result ug/l	MS Result ug/l	MSD Result ug/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Acetone	125	ND	1480	1430	47.3	45.8	25	25.0-156			3.19	21.5
Acrolein	125	ND	3200	3060	102	98.0	25	34.0-194			4.48	21.5
Acrylonitrile	125	ND	2980	2860	95.3	91.7	25	55.9-161			3.90	20
Benzene	25.0	5890	6480	6550	94.3	105	25	58.6-133	E	E	1.07	20
Bromobenzene	25.0	ND	633	641	101	103	25	70.6-125			1.24	20
Bromodichloromethane	25.0	ND	568	576	90.8	92.2	25	69.2-127			1.48	20

L862084-15 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L862084-15 10/04/16 21:27 • (MS) R3168364-4 10/04/16 21:48 • (MSD) R3168364-5 10/04/16 22:10

Analyte	Spike Amount ug/l	Original Result ug/l	MS Result ug/l	MSD Result ug/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Bromoform	25.0	ND	609	603	97.5	96.5	25	66.3-140			1.06	20
Bromomethane	25.0	ND	636	627	102	100	25	16.6-183			1.36	20.5
n-Butylbenzene	25.0	ND	513	532	78.3	81.4	25	64.8-145			3.70	20
sec-Butylbenzene	25.0	ND	558	576	85.8	88.7	25	66.8-139			3.19	20
tert-Butylbenzene	25.0	ND	568	586	90.8	93.8	25	67.1-138			3.20	20
Carbon tetrachloride	25.0	ND	506	521	81.0	83.4	25	60.6-139			2.86	20
Chlorobenzene	25.0	ND	631	644	101	103	25	70.1-130			2.05	20
Chlorodibromomethane	25.0	ND	637	645	102	103	25	71.6-132			1.30	20
Chloroethane	25.0	ND	638	644	102	103	25	33.3-155			0.820	20
2-Chloroethyl vinyl ether	125	ND	1550	1430	49.7	45.6	25	5.00-149			8.49	40
Chloroform	25.0	ND	595	601	95.1	96.1	25	66.1-133			1.01	20
Chloromethane	25.0	ND	608	612	97.3	97.9	25	40.7-139			0.580	20
2-Chlorotoluene	25.0	ND	649	659	104	105	25	66.9-134			1.52	20
4-Chlorotoluene	25.0	ND	587	606	93.9	97.0	25	66.8-134			3.27	20
1,2-Dibromo-3-Chloropropane	25.0	ND	552	565	88.4	90.4	25	63.9-142			2.30	20.2
1,2-Dibromoethane	25.0	ND	694	690	111	110	25	73.8-131			0.540	20
Dibromomethane	25.0	ND	642	640	103	102	25	72.8-127			0.320	20
1,2-Dichlorobenzene	25.0	ND	577	585	92.4	93.5	25	77.4-127			1.25	20
1,3-Dichlorobenzene	25.0	ND	577	594	92.4	95.1	25	67.9-136			2.87	20
1,4-Dichlorobenzene	25.0	ND	571	586	91.4	93.8	25	74.4-123			2.57	20
Dichlorodifluoromethane	25.0	ND	732	759	117	121	25	42.2-146			3.60	20
1,1-Dichloroethane	25.0	ND	602	608	96.4	97.3	25	64.0-134			0.960	20
1,2-Dichloroethane	25.0	ND	609	618	97.4	99.0	25	60.7-132			1.55	20
1,1-Dichloroethene	25.0	ND	597	609	95.6	97.5	25	48.8-144			1.94	20
cis-1,2-Dichloroethene	25.0	ND	656	652	105	104	25	60.6-136			0.480	20
trans-1,2-Dichloroethene	25.0	ND	639	653	102	104	25	61.0-132			2.05	20
1,2-Dichloropropane	25.0	ND	586	595	93.7	95.2	25	69.7-130			1.63	20
1,1-Dichloropropene	25.0	ND	628	653	100	104	25	61.5-136			3.89	20
1,3-Dichloropropane	25.0	ND	681	681	109	109	25	74.3-123			0.0200	20
cis-1,3-Dichloropropene	25.0	ND	597	607	95.4	97.2	25	71.1-129			1.81	20
trans-1,3-Dichloropropene	25.0	ND	609	610	97.4	97.6	25	66.3-136			0.190	20
2,2-Dichloropropane	25.0	ND	584	589	93.4	94.2	25	54.9-142			0.880	20
Di-isopropyl ether	25.0	ND	500	505	80.0	80.8	25	59.9-140			1.02	20
Ethylbenzene	25.0	4270	4830	4880	89.3	97.2	25	62.7-136			1.01	20
Hexachloro-1,3-butadiene	25.0	ND	379	398	60.6	63.7	25	61.1-144	J6		4.98	20.1
Isopropylbenzene	25.0	150	741	751	94.6	96.2	25	67.4-136			1.32	20
p-Isopropyltoluene	25.0	ND	591	605	94.5	96.7	25	62.8-143			2.31	20
2-Butanone (MEK)	125	ND	2130	2060	68.0	66.0	25	45.0-156			3.00	20.8
Methylene Chloride	25.0	ND	608	614	97.3	98.2	25	61.5-125			0.880	20
4-Methyl-2-pentanone (MIBK)	125	ND	2680	2630	85.7	84.3	25	60.7-150			1.62	20

L862084-15 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L862084-15 10/04/16 21:27 • (MS) R3168364-4 10/04/16 21:48 • (MSD) R3168364-5 10/04/16 22:10

Analyte	Spike Amount ug/l	Original Result ug/l	MS Result ug/l	MSD Result ug/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Methyl tert-butyl ether	25.0	ND	408	405	65.3	64.9	25	61.4-136			0.630	20
Naphthalene	25.0	697	1210	1220	81.8	84.0	25	61.8-143			1.16	20
n-Propylbenzene	25.0	499	1070	1090	90.7	94.1	25	63.2-139			1.98	20
Styrene	25.0	ND	637	645	102	103	25	68.2-133			1.23	20
1,1,1,2-Tetrachloroethane	25.0	ND	590	596	94.4	95.3	25	70.5-132			0.920	20
1,1,2,2-Tetrachloroethane	25.0	ND	658	657	105	105	25	64.9-145			0.190	20
Tetrachloroethene	25.0	ND	640	667	102	107	25	57.4-141			4.05	20
Toluene	25.0	15800	16300	16600	85.5	123	25	67.8-124	E	E	1.43	20
1,1,2-Trichlorotrifluoroethane	25.0	ND	409	424	65.4	67.9	25	53.7-150			3.75	20
1,2,3-Trichlorobenzene	25.0	ND	449	462	71.9	73.9	25	65.7-143			2.80	20
1,2,4-Trichlorobenzene	25.0	ND	491	503	78.5	80.5	25	67.0-146			2.46	20
1,1,1-Trichloroethane	25.0	ND	532	540	85.2	86.4	25	58.7-134			1.45	20
1,1,2-Trichloroethane	25.0	ND	664	668	106	107	25	74.1-130			0.640	20
Trichloroethene	25.0	ND	579	593	92.7	94.9	25	48.9-148			2.43	20
Trichlorofluoromethane	25.0	ND	578	565	92.4	90.3	25	39.9-165			2.30	20
1,2,3-Trichloropropane	25.0	ND	659	648	105	104	25	71.5-134			1.62	20
1,2,3-Trimethylbenzene	25.0	827	1360	1380	84.6	88.8	25	62.7-133			1.89	20
1,2,4-Trimethylbenzene	25.0	3400	3940	3990	86.7	94.1	25	60.5-137			1.17	20
1,3,5-Trimethylbenzene	25.0	845	1400	1420	89.0	91.8	25	67.9-134			1.22	20
Vinyl chloride	25.0	ND	636	665	102	106	25	44.3-143			4.54	20
Xylenes, Total	75.0	15800	17300	17400	83.1	88.5	25	65.6-133	E	E	0.580	20
(S) Toluene-d8					*95.8*	*95.3*		*90.0-115*				
(S) Dibromofluoromethane					*91.0*	*92.4*		*79.0-121*				
(S) 4-Bromofluorobenzene					*99.7*	*99.4*		*80.1-120*				

1 Cp
2 Tc
3 Ss
4 Cn
5 Sr
6 Qc
7 Gl
8 Al
9 Sc

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
E	The analyte concentration exceeds the upper limit of the calibration range of the instrument established by the initial calibration (ICAL).
J1	Surrogate recovery limits have been exceeded; values are outside upper control limits.
J3	The associated batch QC was outside the established quality control range for precision.
J4	The associated batch QC was outside the established quality control range for accuracy.
J6	The sample matrix interfered with the ability to make any accurate determination; spike value is low.
V	The sample concentration is too high to evaluate accurate spike recoveries.
V3	The internal standard exhibited poor recovery due to sample matrix interference. The analytical results will be biased high. BDL results will be unaffected.

ACCREDITATIONS & LOCATIONS

ONE LAB. NATIONWIDE.

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

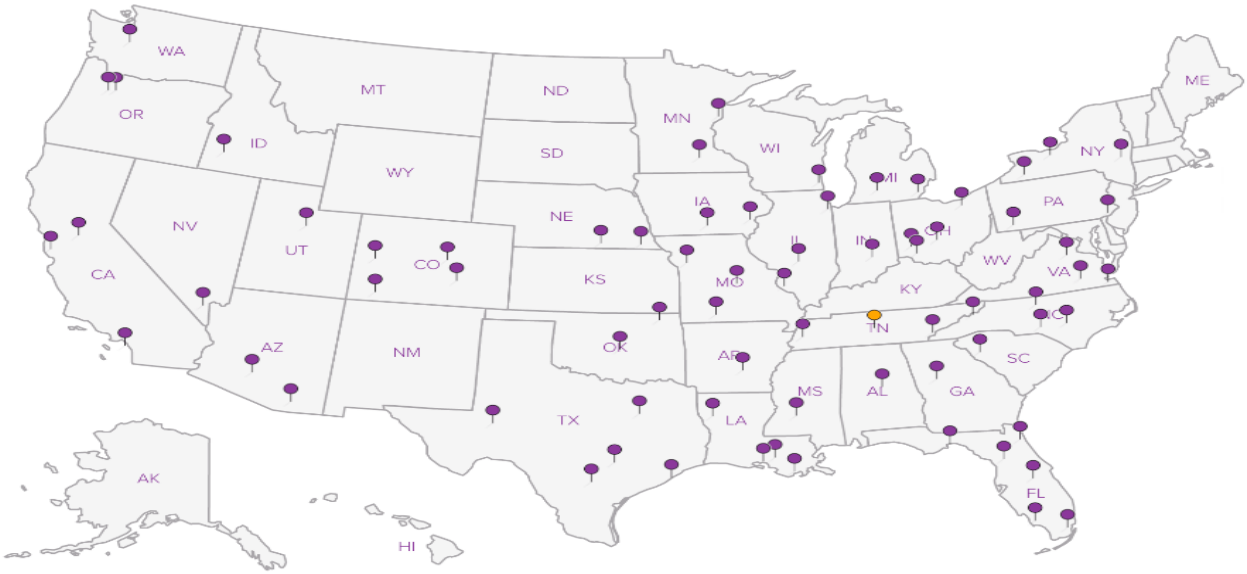
Third Party & Federal Accreditations

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

[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.**



Company Name/Address: AEC - Ky, 9127 Galene Dr. Suite D, Louisville, Ky. 40299

Billing Information: Stacey Workman, 8500 Georgetown Rd, Indianapolis, In.

Report to: Mike Hightchew

Email To: mhightchew@AECKentucky.com

Project Description: Quarterly Sampling Event

City/State Collected: Evansville, In

Phone: 502-491-0144

Fax: 502-491-9271

Client Project #: 311040

Lab Project #:

Collected by (print): Barry Luppert

Site/Facility ID #: CK 2392

P.O. #:

Collected by (signature): [signature]

Immediately Packed on Ice N ____ Y ☒

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

Date Results Needed

Email? ___No ☒Yes

FAX? ___No ___Yes

Analysis / Container / Preservative: VOC 8260

Chain of Custody Page 1 of 3

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 # 862084

1072

Acctnum:

Template:

Prelogin:

TSR:

PB:

Shipped Via:

Sample ID	Comp/Grab	Matrix *	Depth	Date	Time	No. of Cntrs	VOC 8260	Rem./Contaminant	Sample # (lab only)
MW - 1	Grab	GW		9.22.16	0852	2	X		01
MW - 2	↓	↓		↓	0913	↓	↓		02
MW - 3					0858				03
MW - 4					0932				04
MW - 5					0925				05
MW - 6					0917				06
MW - 7					0948				07
MW - 8					0954				08
MW - 9					1038				09
MW - 10	↓	↓		↓	0833	↓	↓		10

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

Remarks:

pH _____ Temp _____

Flow _____ Other _____

6711 0337 3222

Hold #

Relinquished by : (Signature)	Date:	Time:	Received by: (Signature)
[signature]	9.26.16	1200	
Relinquished by : (Signature)	Date:	Time:	Received by: (Signature)
Relinquished by : (Signature)	Date:	Time:	Received for lab by: (Signature)
			[signature]

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

Temp: 3.2 °C Bottles Received: 42-VOP

Date: 9-27-16 Time: 9:00

Condition: (lab use only) Vegas

COC Seal Intact: ____Y ____N ___NA

pH Checked:

NCF:

Company Name/Address:
AEC - KY
9127 Galene Dr. Suite D
Louisville, KY 40299

Billing Information:
Stacey Workman
8500 Georgetown Rd
Indianapolis, In

Report to: Mike Hightchew

Email To: mhightchew@AECkentucky.com

Project Description: Quarterly Sampling Event

City/State Collected: Evansville, In

Phone: 502.491.0144
Fax: 502.491.9271

Client Project # 311040

Lab Project #

Collected by (print): Barry Luppert

Site/Facility ID # CK 2392

P.O. #

Collected by (signature): B L

Immediately Packed on Ice N ____ Y ✓

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

Date Results Needed

Email? ___No ✓Yes
FAX? ___No ___Yes

Analysis / Container / Preservative

Chain of Custody Page 2 of 3

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# 962084
Table #
Acctnum:
Template:
Prelogin:
TSR:
PB:
Shipped Via:

Sample ID	Comp/Grab	Matrix *	Depth	Date	Time	No. of Cntrs	VOC 8260	Rem./Contaminant	Sample # (lab only)
mw-11	Grab	GW		9.22.16	0820	2	X		11
mw-12	↓	↓		↓	0846	↓	↓		12
mw-13	↓	↓		↓	0847	↓	↓		13
mw-15	↓	↓		↓	1028	↓	↓		14
mw-16r	↓	↓		↓	1016	↓	↓		15
mw-17	↓	↓		↓	0959	↓	↓		16
mw-18	↓	↓		↓	1006	↓	↓		17
mw-19	↓	↓		↓	0943	↓	↓		18
mw-20	↓	↓		↓	0909	↓	↓		19
mw-21	↓	↓		↓	0800	↓	↓		20

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

Remarks:

pH _____ Temp _____
Flow _____ Other _____

Relinquished by : (Signature)	Date:	Time:	Received by: (Signature)
B L	9.26.16	1200	
Relinquished by : (Signature)	Date:	Time:	Received by: (Signature)
Relinquished by : (Signature)	Date:	Time:	Received for lab by: (Signature)
			M L

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

Temp: 3.2 °C Bottles Received: 42 VP

Date: 9-27-16 Time: 9a

Hold #

Condition: (lab use only) a

COC Seal Intact: ____Y ____N ✓____NA

pH Checked: NCF:

Company Name/Address:
AEC-Ky
9127 Galene Dr. Suite D
Louisville, Ky. 40299

Billing Information:
Stacey Workman
8500 Georgetown Rd
Indianapolis, In.

Report to: Mike Hightchew

Email To: mhightchew@AECkentucky.com

Project Description: Quarterly Sampling event

City/State Collected: Evansville, In.

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

Client Project # 311040

Lab Project #

Collected by (print): Barry Luppert

Site/Facility ID # CK 2392

P.O. #

Collected by (signature): B

Immediately Packed on Ice N ____ Y ✓

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

Date Results Needed

Email? ___No ✓Yes
FAX? ___No ___Yes

Analysis / Container / Preservative: VOC 8260

Chain of Custody Page 3 of 3

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 # 962084

Table #

Acctnum:
Template:
Prelogin:
TSR:
PB:

Shipped Via:

Sample ID	Comp/Grab	Matrix *	Depth	Date	Time	No. of Cntrs	VOC 8260	Rem./Contaminant	Sample # (lab only)
Duplicate	Grab	GW		9-22-16	-	2	x		21

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

Remarks:

pH _____ Temp _____
Flow _____ Other _____

Relinquished by : (Signature)	Date:	Time:	Received by: (Signature)
B	9-26-16	1200	
Relinquished by : (Signature)	Date:	Time:	Received by: (Signature)
Relinquished by : (Signature)	Date:	Time:	Received for lab by: (Signature)
			M

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

Temp: 3.2 °C Bottles Received: 42 VP

Date: 9-27-16 Time: 900

Hold #

Condition: (lab use only) ✓ ✓

COC Seal Intact: ____Y ____N ✓ NA

pH Checked: NCF:

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

Cooler Receipt Form

Client:	AMERENUK	SDG#	862084
Cooler Received/Opened On: 9-27-16		Temperature Upon Receipt:	3.2 °c
Received By: Michael Witherspoon			
Signature: MWit			

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 Groundwater Elevations Mac's 2392 (former Jr. Food Mart)					
Location	Date	Top of Casing Elevation (ft)	Depth to Groundwater* (ft)	Free Product Thickness (ft)	Groundwater Elevation (ft)
MW-1	5/8/2007	100.00	12.24	0	87.76
	8/9/2007		11.72		88.28
	11/27/2007		12.87		87.13
	3/12/2008		14.45		85.55
	6/18/2008		11.15		88.85
	12/30/2008		11.56		88.44
	5/15/2009		11.51		88.49
	3/12/2012		11.85		88.15
	6/21/2012		12.11		87.89
	9/28/2012		13.82		86.18
	12/20/2012		13.41		86.59
	3/18/2013		13.31		86.69
	6/27/2013		12.62		87.38
	9/25/2013		13.12		86.88
	12/20/2013		13.30		86.70
	3/14/2014		12.95		87.05
	6/26/2014		11.49		88.51
	9/8/2014		11.91		88.09
	12/23/2014		12.43		87.57
	3/10/2015		12.03		87.97
	6/26/2015		10.52		89.48
	9/16/2015		11.04		88.96
	12/16/2015		12.30		87.70
	3/21/2016		10.76		89.24
	6/22/2016		10.60		89.40
	9/22/2016		11.07		88.93
MW-2	5/8/2007	100.56	11.72	0	88.84
	8/9/2007		12.22		88.34
	11/27/2007		13.35		87.21
	3/12/2008		14.94		85.62
	6/18/2008		11.69		88.87
	12/30/2008		12.11		88.45
	5/15/2009		12.09		88.47
	3/15/2011		13.85		86.71
	3/12/2012		12.3		88.26
	6/21/2012		12.62		87.94
	9/28/2012		13.28		87.28
	12/20/2012		13.88		86.68
	3/18/2013		13.66		86.90
	6/27/2013		12.99		87.57
	9/25/2013		13.58		86.98
	12/20/2013		13.74		86.82
	3/14/2014		87.14		13.42
	6/26/2014		12.05		88.51
	9/8/2014		12.36		88.20
	12/23/2014		Couldn't Locate		Couldn't Locate
	3/10/2015		12.78		87.78
	6/26/2015		11.05		89.51
	9/16/2015		11.55		89.01
	12/16/2015		12.17		88.39
	3/21/2016		11.38		89.18
	6/22/2016		11.18		89.38
	9/22/2016		11.71		88.85

Historical Groundwater Elevations Mac's 2392 (former Jr. Food Mart)					
Location	Date	Top of Casing Elevation (ft)	Depth to Groundwater* (ft)	Free Product Thickness (ft)	Groundwater Elevation (ft)
MW-3	5/8/2007	99.88	12.53	0	87.35
	8/9/2007		---		---
	11/27/2007		---		----
	3/12/2008		13.95		85.93
	6/18/2008		11.01		88.87
	12/30/2008		11.41		88.47
	5/15/2009		11.38		88.50
	3/15/2011		12.93		86.95
	3/12/2012		11.50		88.38
	6/21/2012		11.86		88.02
	9/28/2012		12.44		87.44
	12/20/2012		13.11		86.77
	3/18/2013		12.83		87.05
	6/27/2013		12.15		87.73
	9/25/2013		12.84		87.04
	12/20/2013		12.91		86.97
	3/14/2014		12.66		87.22
	6/26/2014		11.24		88.64
	9/8/2014		11.56		88.32
	12/23/2014		12.19		87.69
	3/10/2015		11.74		88.14
	6/26/2015		10.72		89.16
	9/16/2015		10.79		89.09
	12/16/2015		11.24		88.64
	3/21/2016		10.38		89.50
	6/22/2016		10.31		89.57
	9/22/2016		10.74		89.14
MW-4	5/8/2007	100.52	11.68	0	88.84
	8/9/2007		12.16		88.36
	11/27/2007		13.35		87.17
	3/12/2008		15.15		85.37
	6/18/2008		11.56		88.96
	12/30/2008		11.98		88.54
	5/15/2009		11.94		88.58
	3/15/2011		13.96		86.56
	3/12/2012		12.20		88.32
	6/21/2012		12.52		88.00
	9/28/2012		13.24		87.28
	12/20/2012		13.80		86.72
	3/18/2013		13.75		86.77
	6/27/2013		13.46		87.06
	9/25/2013		13.54		86.98
	12/20/2013		13.71		86.81
	3/14/2014		13.38		87.14
	6/26/2014		11.92		88.60
	9/8/2014		12.37		88.15
	12/23/2014		12.97		87.55
	3/10/2015		12.75		87.77
	6/26/2015		10.85		89.67
	9/16/2015		11.40		89.12
	12/16/2015		11.99		88.53
	3/21/2016		11.20		89.32
	6/22/2016		11.03		89.49
	9/22/2016		11.41		89.11

Historical Groundwater Elevations Mac's 2392 (former Jr. Food Mart)					
Location	Date	Top of Casing Elevation (ft)	Depth to Groundwater* (ft)	Free Product Thickness (ft)	Groundwater Elevation (ft)
MW-5	5/8/2007	100.27	11.41	0	88.86
	8/9/2007		11.96		88.31
	11/27/2007		13.11		87.16
	3/12/2008		14.70		85.57
	6/18/2008		11.32		88.95
	12/30/2008		11.74		88.53
	5/15/2009		11.69		88.58
	3/15/2011		12.92		87.35
	3/12/2012		11.99		88.28
	6/21/2012		12.39		87.88
	9/28/2012		12.78		87.49
	12/20/2012		13.51		86.76
	3/18/2013		13.44		86.83
	6/27/2013		12.83		87.44
	9/25/2013		13.11		87.16
	12/20/2013		13.45		86.82
	3/14/2014		13.09		87.18
	6/26/2014		12.45		87.82
	9/8/2014		12.00		88.27
	12/23/2014		12.39		87.88
	3/10/2015		12.58		87.69
	6/26/2015		11.98		88.29
	9/16/2015		11.29		88.98
	12/16/2015		11.49		88.78
	3/21/2016		11.20		89.07
	6/22/2016		11.36		88.91
	9/22/2016		11.12		89.15
MW-6	5/8/2007	100.85	12.12	0	88.73
	8/9/2007		12.49		88.36
	11/27/2007		13.70		87.15
	3/12/2008		15.41		85.44
	6/18/2008		12.00		88.85
	12/30/2008		12.43		88.42
	5/15/2009		12.26		88.59
	3/12/2012		12.72		88.13
	6/21/2012		12.98		87.87
	9/28/2012	100.87	13.68		87.19
	12/20/2012		14.03		86.84
	3/18/2013		14.12		86.75
	6/27/2013		13.49		87.38
	9/25/2013		13.94		86.93
	12/20/2013		14.15		86.72
	3/14/2014		13.83		87.04
	6/26/2014		12.39		88.48
	9/8/2014		12.86		88.01
	12/23/2014		Couldn't Locate		Couldn't Locate
	3/10/2015		12.70		88.17
	6/26/2015		11.50		89.37
	9/16/2015		11.94		88.93
	12/16/2015		12.52		88.35
	3/21/2016		11.72		89.15
	6/22/2016		11.53		89.34
	9/22/2016		11.95		88.92

Historical Groundwater Elevations Mac's 2392 (former Jr. Food Mart)					
Location	Date	Top of Casing Elevation (ft)	Depth to Groundwater* (ft)	Free Product Thickness (ft)	Groundwater Elevation (ft)
MW-7	5/8/2007	100.92	12.11	0	88.81
	8/9/2007		12.56		88.36
	11/27/2007		13.8		87.12
	3/12/2008		15.67		85.25
	6/18/2008		11.97		88.95
	12/30/2008		12.36		88.56
	5/15/2009		12.23		88.69
	3/15/2011		14.58		86.34
	3/12/2012		12.65		88.27
	6/21/2012		12.95		87.97
	9/28/2012		13.71		87.21
	12/20/2012		14.24		86.68
	3/18/2013		14.29		86.63
	6/27/2013		13.52		87.40
	9/25/2013		13.99		86.93
	12/20/2013		14.20		86.72
	3/14/2014		13.83		87.09
	6/26/2014		12.35		88.57
	9/8/2014		12.80		88.12
	12/23/2014		13.40		87.52
	3/10/2015		13.27		87.65
	6/26/2015		11.58		89.34
	9/16/2015		11.95		88.97
	12/16/2015		12.35		88.57
	3/21/2016		11.70		89.22
	6/22/2016		11.47		89.45
	9/22/2016		11.94		88.98
MW-8	5/8/2007	100.24	14.41	0	85.83
	8/9/2007		11.88		88.36
	11/27/2007		13.11		87.13
	3/12/2008		15.01		85.23
	6/18/2008		11.29		88.95
	12/30/2008		11.70		88.54
	5/15/2009		11.61		88.63
	3/15/2011		13.88		86.36
	3/12/2012		11.96		88.28
	6/21/2012	100.22	12.27		87.95
	9/28/2012		13.02		87.20
	12/20/2012		13.58		86.64
	3/18/2013		13.61		86.61
	6/27/2013		13.31		86.91
	9/25/2013		13.29		86.93
	12/20/2013		13.97		86.25
	3/14/2014		13.15		87.07
	6/26/2014		11.69		88.53
	9/8/2014		12.14		88.08
	12/23/2014		12.74		87.48
	3/10/2015		12.55		87.67
	6/26/2015		10.86		89.36
	9/16/2015		11.22		89.00
	12/16/2015		11.84		88.38
	3/21/2016		10.97		89.25
	6/22/2016		10.76		89.46
	9/22/2016		11.21		89.01

Historical Groundwater Elevations Mac's 2392 (former Jr. Food Mart)					
Location	**Date**	**Top of Casing Elevation (ft)**	**Depth to Groundwater* (ft)**	**Free Product Thickness (ft)**	**Groundwater Elevation (ft)**
MW-9	5/8/2007	100.56	11.75	0	88.81
	8/9/2007		12.25		88.31
	11/27/2007		13.45		87.11
	3/12/2008		15.26		85.30
	6/18/2008		11.62		88.94
	12/30/2008		12.02		88.54
	5/15/2009		11.93		88.63
	3/12/2012		12.28		88.28
	6/21/2012	100.51	12.58		87.93
	9/28/2012		13.35		87.16
	12/20/2012		13.90		86.61
	3/18/2013		13.92		86.59
	6/27/2013		13.20		87.31
	9/25/2013		13.63		86.88
	12/20/2013		13.89		86.62
	3/14/2014		13.48		87.03
	6/26/2014		11.96		88.55
	9/8/2014		12.43		88.08
	12/23/2014		13.05		87.46
	3/10/2015		12.89		87.62
	6/26/2015		11.21		89.30
	9/16/2015		11.53		88.98
	12/16/2015		12.15		88.36
	3/21/2016		11.27		89.24
	6/22/2016		11.10		89.41
	9/22/2016		11.55		88.96
MW-10 (off-site)	5/8/2007	101.84	13.10	0	88.74
	8/9/2007		---		---
	11/27/2007		14.35		87.49
	3/12/2008		16.56		85.28
	6/18/2008		12.89		88.95
	12/30/2008		13.30		88.54
	5/15/2009		13.09		88.75
	3/12/2012		13.54		88.30
	6/21/2012	101.86	13.83		88.03
	9/28/2012		Unable to locate well		
	12/20/2012		15.15	0	86.71
	3/18/2013		15.17		86.69
	6/27/2013		14.45		87.41
	9/25/2013		14.90		86.96
	12/20/2013		15.13		86.73
	3/14/2014		15.00		86.86
	6/26/2014		13.26		88.60
	9/8/2014		13.70		88.16
	12/23/2014		14.31		87.55
	3/10/2015		13.69		88.17
	6/26/2015		12.44		89.42
	9/16/2015		12.80		89.06
	12/16/2015		13.38		88.48
	3/21/2016		12.54		89.32
	6/22/2016		12.35		89.51
	9/22/2016		12.75		89.11

Historical Groundwater Elevations Mac's 2392 (former Jr. Food Mart)					
Location	**Date**	**Top of Casing Elevation (ft)**	**Depth to Groundwater* (ft)**	**Free Product Thickness (ft)**	**Groundwater Elevation (ft)**
MW-11 (off-site)	5/8/2007	101.44	12.69	0	88.75
	8/9/2007		13.05		88.39
	11/27/2007		14.21		87.23
	3/12/2008		16.16		85.28
	6/18/2008		12.49		88.95
	12/30/2008		12.90		88.54
	5/15/2009		12.81		88.63
	3/12/2012		13.16		88.28
	6/21/2012		13.43		88.01
	9/28/2012		14.19		87.25
	12/20/2012		14.72		86.72
	3/18/2013		14.74		86.70
	6/27/2013		14.03		87.41
	9/25/2013		14.47		86.97
	12/20/2013		14.24		87.20
	3/14/2014		14.31		87.13
	6/26/2014		12.85		88.59
	9/8/2014		13.20		88.24
	12/23/2014		13.89		87.55
	3/10/2015		14.15		87.29
	6/26/2015		12.02		89.42
	9/16/2015		12.40		89.04
	12/16/2015		13.00		88.44
	3/21/2016		12.36		89.08
	6/22/2016		11.93		89.51
	9/22/2016		12.35		89.09
MW-12 (off-site)	5/8/2007	101.25	12.42	0	88.83
	8/9/2007		12.89		88.36
	11/27/2007		13.67		87.58
	3/12/2008		15.95		85.30
	6/18/2008		12.30		88.95
	12/30/2008		12.71		88.54
	5/15/2009		12.58		88.67
	3/12/2012		12.96		88.29
	6/21/2012	101.23	13.25		87.98
	9/28/2012		14.01		87.22
	12/20/2012		14.58		86.65
	3/18/2013		14.36		86.87
	6/27/2013		13.87		87.36
	9/25/2013		14.31		86.92
	12/20/2013		14.53		86.70
	3/14/2014		14.14		87.09
	6/26/2014		12.68		88.55
	9/8/2014		13.09		88.14
	12/23/2014		12.69		88.54
	3/10/2015		13.00		88.23
	6/26/2015		11.84		89.39
	9/16/2015		12.22		89.01
	12/16/2015		12.83		88.40
	3/21/2016		11.95		89.28
	6/22/2016		11.75		89.48
	9/22/2016		12.21		89.02

Historical Groundwater Elevations Mac's 2392 (former Jr. Food Mart)					
Location	**Date**	**Top of Casing Elevation (ft)**	**Depth to Groundwater* (ft)**	**Free Product Thickness (ft)**	**Groundwater Elevation (ft)**
MW-13 (off-site)	5/8/2007	100.69	11.90	0	88.79
	8/9/2007		12.38		88.31
	11/27/2007		12.81		87.88
	3/12/2008		15.39		85.30
	6/18/2008		11.75		88.94
	12/30/2008		12.16		88.53
	5/15/2009		12.18		88.51
	3/12/2012		12.44		88.25
	6/21/2012	100.67	12.74		87.93
	9/28/2012		13.54		87.13
	12/20/2012		14.06		86.61
	3/18/2013		14.10		86.57
	6/27/2013		13.33		87.34
	9/25/2013		13.80		86.87
	12/20/2013		14.36		86.31
	3/14/2014		13.63		87.04
	6/26/2014		12.12		88.55
	9/8/2014		12.59		88.08
	12/23/2014		13.22		87.45
	3/10/2015		13.05		87.62
	6/26/2015		11.33		89.34
	9/16/2015		11.70		88.97
	12/16/2015		12.32		88.35
	3/21/2016		11.43		89.24
	6/22/2016		11.18		89.49
	9/22/2016		11.93		88.74
MW-14 (off-site)	5/8/2007	99.78	10.91	0	88.87
	8/9/2007		11.47		88.31
	11/27/2007		12.15		87.63
	3/12/2008		14.39		85.39
	6/18/2008		10.84		88.94
	12/30/2008		11.25		88.53
	5/15/2009		11.32		88.46
	3/12/2012	Presumed destroyed due to sanitary sewer line work in immediate vicinity			

Historical Groundwater Elevations Mac's 2392 (former Jr. Food Mart)					
Location	Date	Top of Casing Elevation (ft)	Depth to Groundwater* (ft)	Free Product Thickness (ft)	Groundwater Elevation (ft)
MW-15	8/9/2007	100.62	12.31	0	88.31
	11/27/2007		13.55		87.07
	3/12/2008		15.38		85.24
	6/18/2008		11.67		88.95
	12/30/2008		12.09		88.53
	5/15/2009		11.96		88.66
	3/15/2011		14.32		86.30
	3/12/2012		12.04		88.58
	6/21/2012	100.58	12.69		87.89
	9/28/2012		13.41		87.17
	12/20/2012		13.99		86.59
	3/18/2013		12.43		88.15
	6/27/2013		13.28		87.30
	9/25/2013		11.80		88.78
	12/20/2013		13.97		86.61
	3/14/2014		13.55		87.03
	6/26/2014		12.03		88.55
	9/8/2014		12.51		88.07
	12/23/2014		13.16		87.42
	3/10/2015		12.62		87.96
	6/26/2015		11.35		89.23
	9/16/2015		11.50		89.08
	12/16/2015		12.26		88.32
	3/21/2016		11.30		89.28
	6/22/2016		11.68		88.90
	9/22/2016		11.94		88.64
MW-16	5/8/2007	100.21	11.40	0	88.81
	8/9/2007		11.88		88.33
	11/27/2007		13.10		87.11
	3/12/2008		14.91		85.30
	6/18/2008		11.26		88.95
	12/30/2008		11.57		88.64
	5/15/2009		11.51		88.70
	3/15/2011		13.89		86.32
	3/12/2012		11.97		88.24
	6/21/2012		12.27		87.94
	9/28/2012	Well destroyed by garbage truck servicing dumpster			
MW-16R	12/20/2012	100.69	14.09	0	86.60
	3/18/2013		15.11		85.58
	6/27/2013		15.42		85.27
	9/25/2013		13.81		86.88
	12/20/2013		14.09		86.60
	3/14/2014		13.64		87.05
	6/26/2014		12.18		88.51
	9/8/2014		12.62		88.07
	12/23/2014		13.21		87.48
	3/10/2015		13.08		87.61
	6/26/2015		11.35		89.34
	9/16/2015		11.69		89.00
	12/16/2015		12.33		88.36
	3/21/2016		11.48		89.21
	6/22/2016		11.25		89.44
	9/22/2016		11.77		88.92

Historical Groundwater Elevations Mac's 2392 (former Jr. Food Mart)					
Location	Date	Top of Casing Elevation (ft)	Depth to Groundwater* (ft)	Free Product Thickness (ft)	Groundwater Elevation (ft)
MW-17	5/8/2007	100.27	11.45	0	88.82
	8/9/2007		11.95		88.32
	11/27/2007		13.15		87.12
	3/12/2008		14.97		85.30
	6/18/2008		11.32		88.95
	12/30/2008		11.73		88.54
	5/15/2009		11.59		88.68
	3/15/2011		13.95		86.32
	3/12/2012		12.00		88.27
	6/21/2012	100.25	12.30		87.95
	9/28/2012		13.09		87.16
	12/20/2012		13.62		86.63
	3/18/2013		13.65		86.60
	6/27/2013		13.98		86.27
	9/25/2013		13.35		86.90
	12/20/2013		13.60		86.65
	3/14/2014		13.19		87.06
	6/26/2014		11.70		88.55
	9/8/2014		12.15		88.10
	12/23/2014		12.79		87.46
	3/10/2015		12.62		87.63
	6/26/2015		10.93		89.32
	9/16/2015		11.20		89.05
	12/16/2015		11.81		88.44
	3/21/2016		10.97		89.28
	6/22/2016		10.22		90.03
	9/22/2016		10.61		89.64
MW-18	5/8/2007	99.66	10.83	0	88.83
	8/9/2007		11.31		88.35
	11/27/2007		12.52		87.14
	3/12/2008		14.36		85.30
	6/18/2008		10.71		88.95
	12/30/2008		11.12		88.54
	5/15/2009		10.98		88.68
	3/15/2011		13.32		86.34
	3/12/2012		11.39		88.27
	6/21/2012	99.65	11.68		87.97
	9/28/2012		12.44		87.21
	12/20/2012		13.02		86.63
	3/18/2013		13.02		86.63
	6/27/2013		12.30		87.35
	9/25/2013		12.73		86.92
	12/20/2013		12.97		86.68
	3/14/2014		12.58		87.07
	6/26/2014		11.11		88.54
	9/8/2014		11.56		88.09
	12/23/2014		12.11		87.54
	3/10/2015		12.00		87.65
	6/26/2015		10.30		89.35
	9/16/2015		10.61		89.04
	12/16/2015		12.20		87.45
	3/21/2016		10.39		89.26
	6/22/2016		10.81		88.84
	9/22/2016		10.74		88.91

Historical Groundwater Elevations Mac's 2392 (former Jr. Food Mart)					
Location	Date	Top of Casing Elevation (ft)	Depth to Groundwater* (ft)	Free Product Thickness (ft)	Groundwater Elevation (ft)
MW-19	5/8/2007	100.75	12.20	0	88.55
	8/9/2007		13.12		87.63
	11/27/2007		13.80		86.95
	3/12/2008		15.45		85.30
	6/18/2008		12.24		88.51
	12/30/2008		12.21		88.54
	5/15/2009		11.96		88.79
	3/15/2011		14.02		86.73
	3/12/2012		12.30		88.45
	6/21/2012	100.72	12.75		87.97
	9/28/2012		13.52		87.20
	12/20/2012		14.08		86.64
	3/18/2013		14.10		86.62
	6/27/2013		13.34		87.38
	9/25/2013		13.81		86.91
	12/20/2013		14.05		86.67
	3/14/2014		14.78		85.94
	6/26/2014		12.20		88.52
	9/8/2014		12.59		88.13
	12/23/2014		13.23		87.49
	3/10/2015		12.79		87.93
	6/26/2015		11.41		89.31
	9/16/2015		11.72		89.00
	12/16/2015		12.34		88.38
	3/21/2016		11.50		89.22
	6/22/2016		11.26		89.46
	9/22/2016		11.72		89.00
MW-20	9/28/2012	100.48	13.31	0	87.17
	12/20/2012		13.90		86.58
	3/18/2013		13.81		86.67
	6/27/2013		13.14		87.34
	9/25/2013		13.60		86.88
	12/20/2013		13.78		86.70
	3/14/2014		13.43		87.05
	6/26/2014		12.00		88.48
	9/8/2014		12.41		88.07
	12/23/2014		12.98		87.50
	3/10/2015		12.77		87.71
	6/26/2015		11.11		89.37
	9/16/2015		11.56		88.92
	12/16/2015		13.82		86.66
	3/21/2016		11.29		89.19
	6/22/2016		11.15		89.33
	9/22/2016		11.55		88.93

Historical Groundwater Elevations Mac's 2392 (former Jr. Food Mart)					
Location	Date	Top of Casing Elevation (ft)	Depth to Groundwater* (ft)	Free Product Thickness (ft)	Groundwater Elevation (ft)
MW-21	9/28/2012	100.63	13.42	0	87.21
	12/20/2012		14.01		86.62
	3/18/2013		14.01		86.62
	6/27/2013		13.28		87.35
	9/25/2013		13.70		86.93
	12/20/2013		13.93		86.70
	3/14/2014		13.53		87.10
	6/26/2014		12.06		88.57
	9/8/2014		12.50		88.13
	12/23/2014		12.15		88.48
	3/10/2015		13.55		87.08
	6/26/2015		11.25		89.38
	9/16/2015		11.61		89.02
	12/16/2015		12.26		88.37
	3/21/2016		11.39		89.24
	6/22/2016		11.22		89.41
	9/22/2016		11.61		89.02

*Measured from top of casing
Entire Well Network resurveyed June 2012

Historical Groundwater Analyses Results
Mac's 2392 (former Jr. Food Mart)
Concentrations in parts per billion, ppb

Location	Date	Benzene	Toluene	Ethyl-benzene	Xylenes	MTBE	Naphthalene
MW-1	9/22/2016	<1	<5	<1	<3	<1	<5
	6/22/2016	<1	<5	<1	<3	<1	<5
	3/21/2016	<1	<5	<1	<3	<1	<5
	12/16/2015	<1	<5	<1	<3	<1	<5
	9/16/2015	<1	<5	<1	<3	<1	<5
	6/26/2015	<1	<5	<1	<3	<1	<5
	3/10/2015	<1	<5	<1	<3	<1	<5
	12/23/2014	<1	<5	<1	<3	<1	<5
	9/8/2014	<1	<5	<1	<3	<1	<5
	6/26/2014	<1	<5	<1	<3	<1	<5
	3/14/2014	<1	<5	<1	<3	<1	<5
	12/20/2013	<1	<5	<1	<3	<1	<5
	9/25/2013	<1	<5	<1	<3	<1	<5
	6/27/2013	<1	<5	<1	<3	<1	<5
	3/18/2013	<1	<5	<1	<3	<1	<5
	12/20/2012	<0.5	<5	<0.5	<1.5	<1	<5
	9/28/2012	<0.5	<5	<0.5	<1.5	<1	
	6/21/2012	<0.5	<5	<0.5	<1.5	<1	
	3/12/2012	<0.5	<5	<0.5	<1.5	<1	
	3/15/2011	NOT SAMPLED					
	5/15/2009	<5	<5	<5	<15	<4	
	12/30/2008	<5	<5	<5	<15	<4	
	9/23/2008	<5	<5	<5	<15	<4	
	6/18/2008	<5	<5	<5	<15	<4	
	3/12/2008	<5	<5	<5	<15	<4	
	11/27/2007	<5	<5	<5	<15	<4	
	8/9/2007	<5	<5	<5	<15	<4	
	5/8/2007	<5	<5	<5	<15	<4	
	2/7/2007	<5	<5	<5	<15	<4	
	11/14/2006	<5	<5	<5	<15	<5	
	8/3/2006	<5	<5	<5	<15	<5	
	4/10/2006	<5	<5	<5	<15	<5	
	12/6/2005	<5	<5	<5	<15	<5	
	8/8/2005	<5	<5	<5	<15	<5	
	5/4/2005	<5	<5	<5	<15	<5	
	1/26/2005	<5	<5	<5	<15	<5	
	9/23/2004	<5	<5	<5	<15	<5	
	6/15/2004	<5	<5	<5	<15	<5	
	2/11/2004	<5	<5	<5	<15	<5	
	10/28/2003	<5	<5	<5	<15	<5	
	7/23/2003	<5	<5	<5	<15	<5	
	4/28/2003	<5	<5	7	23	<5	
	1/29/2003	<5	<5	<5	<15	<5	NS
	10/22/2002	<5	<5	10	49	<5	
	7/10/2002	<5	<5	<5	<15	<5	
	4/11/2002	<5	<5	<5	<15	<5	
	12/27/2001	*10*	<5	<5	<15	<5	
	8/23/2001	<5	<5	<5	<15	<5	
	7/5/2001	<5	<5	<5	<15	<5	
	3/23/2001	<5	<5	<5	<15	<5	
	12/18/2000	<5	<5	<5	<15	<5	
	9/8/2000	<5	<5	<5	<15	<5	
	6/21/2000	<5	<5	<5	<15	<5	
	3/10/2000	<5	<5	<5	<15	<5	
	12/8/1999	<5	<5	<5	<15	<5	
	9/2/1999	<5	<5	<5	<15	<5	
	6/8/1999	<5	<5	<5	<15	<5	
	2/9/1999	<5	<5	<5	<15	<5	
	12/9/1998	<5	<5	<5	<15	*130*	
	8/3/1998	<5	<5	<5	<15	<5	
	4/21/1998	<5	<5	<5	<15	<5	
	1/26/1998	<5	<5	<5	<15	<5	
	10/21/1997	<5	<5	<5	<5	<5	
	6/25/1997	<5	<5	<5	<5	<5	
	4/1/1997	<5	<5	<5	<5	<5	
	12/27/1996	<5	<5	<5	<5	<5	
	9/24/1996	<5	<5	<5	<5	<5	
	6/24/1996	<5	<5	<5	<5	<5	
	2/21/1996	<5	8	<5	<5	<5	
	9/14/1994	<1	<1	<1	<1	NA	

Historical Groundwater Analyses Results
Mac's 2392 (former Jr. Food Mart)
Concentrations in parts per billion, ppb

Location	Date	Benzene	Toluene	Ethyl-benzene	Xylenes	MTBE	Naphthalene
MW-2	9/22/2016	**125**	6.93	144	12.4	<1	40.4
	6/22/2016	4.56	<5	<1	<3	<1	<5
	3/21/2016	<1	<5	<1	<3	<1	<5
	12/16/2015	**384**	11	194	77.6	<1	*107*
	9/16/2015	**163**	<5	10.4	9.59	<1	*18.1*
	6/26/2015	1	<5	<1	14.7	<1	<5
	3/10/2015	**650**	<100	300	130	<20	120
	12/23/2014	Could not locate due to system piping install disturbance					
	9/8/2014	**1,000**	<100	120	200	<20	*210*
	6/26/2014	**1,100**	37	210	230	<5	170
	3/14/2014	**930**	34	220	260	<5	170
	12/20/2013	**1,400**	<5	430	250	<10	200
	9/25/2013	**1,600**	54	200	300	<10	180
	6/27/2013	**1,500**	56	360	450	<10	*120*
	3/18/2013	**1,600**	<100	370	360	<20	<100
	12/20/2012	**2,500**	<120	160	260	<25	*150*
	9/28/2012	**2,800**	51	390	440	*70*	NS
	6/21/2012	**950**	<50	64	180	*65*	
	3/12/2012	**1,400**	28	27	180	*71*	
	3/15/2011	**3,800**	140	360	710	*400*	
	5/15/2009	**3,960**	140	153	381	<40	
	12/30/2008	**4,990**	9	126	<75	<20	
	9/23/2008	**3,270**	33	164	161	*77*	
	6/18/2008	**3,890**	157	133	295	<20	
	3/12/2008	**4,570**	*1,680*	184	593	<4	
	11/27/2007	**63**	<5	<5	<15	<4	
	8/9/2007	*6*	17	10	59	<4	
	5/8/2007	<5	<5	<5	<15	<4	
	2/7/2007	<5	<5	<5	<15	<4	
	11/14/2006	<5	<5	<5	<15	<5	
	8/3/2006	<5	<5	<5	<15	<5	
	4/10/2006	<5	<5	<5	<15	<5	
	12/6/2005	<5	10	<5	<15	<5	
	8/8/2005	<5	<5	7	<15	26	
	5/4/2005	*20*	<5	<5	<15	<5	
	1/26/2005	*14*	<5	5	<15	<5	
	9/23/2004	*20*	<5	11	<15	<5	
	6/15/2004	*14*	<5	27	<15	8	
	2/11/2004	*25*	<5	6	31	23	
	10/28/2003	*9*	<5	34	23	<5	
	7/23/2003	*24*	<5	44	18	17	
	4/28/2003	<5	9	93	70	7	
	1/29/2003	<5	<5	28	35	*45*	
	10/22/2002	<5	<5	37	24	29	
	7/10/2002	<5	<5	37	42	*47*	
	4/11/2002	<5	<5	110	120	70	
	12/27/2001	*28*	29	79	330	*150*	
	8/23/2001	<5	<5	<5	<15	<5	
	7/5/2001	<5	<5	63	180	*520*	
	3/23/2001	<5	<5	<5	<15	<5	
	12/18/2000	<5	11	75	200	400	
	9/8/2000	**180**	28	670	870	*360*	
	6/21/2000	*14*	10	220	350	*240*	
	3/10/2000	*34*	21	160	320	*150*	
	12/8/1999	*15*	82	160	230	**730**	
	9/2/1999	**100**	45	440	640	*310*	
	6/8/1999	**140**	120	470	490	*570*	
	2/9/1999	*45*	11	330	820	*91*	
	12/9/1998	*18*	<5	630	1,000	**880**	
	8/3/1998	**67**	12	590	1,100	**870**	
	4/21/1998	**80**	94	680	1,560	**1,580**	
	1/26/1998	**108**	191	490	1,240	**2,280**	
	10/21/1997	**186**	104	*786*	1,285	**1,490**	
	6/25/1997	**572**	516	*2,224*	8,680	**5,100**	
	4/1/1997	**220**	48	500	1,600	**5,100**	
	12/27/1996	**690**	335	387	2,352	**4,898**	
	9/24/1996	**624**	395	*1,281*	5,030	**24,923**	
	6/24/1996	**1,387**	801	*2,276*	9,191	**13,284**	
	2/21/1996	**1,938**	*5,566*	*2,637*	13,417	**48,712**	
	9/14/1994	**1,780**	*5,920*	*788*	6,520	NA	

Historical Groundwater Analyses Results
Mac's 2392 (former Jr. Food Mart)
Concentrations in parts per billion, ppb

Location	Date	Benzene	Toluene	Ethyl-benzene	Xylenes	MTBE	Naphthalene
MW-3	9/22/2016	<1	<5	<1	<3	<1	<5
	6/22/2016	<1	<5	<1	<3	<1	<5
	3/21/2016	<1	<5	<1	<3	<1	<5
	12/16/2015	<1	<5	<1	<3	<1	<5
	9/16/2015	<1	<5	<1	<3	<1	<5
	6/26/2015	*2.09*	<5	<1	<3	<1	<5
	3/10/2015	*20*	<5	<1	23	<1	<5
	12/23/2014	*9.2*	<5	1.7	26	<1	<5
	9/8/2014	*9.2*	11	<1	<3	<2	<5
	6/26/2014	<1	<5	<1	<3	<1	<5
	3/14/2014	<1	<5	<1	<3	<1	<5
	12/20/2013	<1	<5	<1	<3	<1	<5
	9/25/2013	<1	<5	<1	<3	<1	<5
	6/27/2013	<1	<5	<1	<3	<1	<5
	3/18/2013	<1	<5	<1	<3	<1	<5
	12/20/2012	<1	<5	<0.5	<3	<1	<5
	9/28/2012	4.2	<5	<0.5	2.2	1.8	
	6/21/2012	1.4	<5	<0.5	<1.5	<1	
	3/12/2012	<0.5	<5	<0.5	<1.5	<1	
	3/15/2011	<0.5	<5	<0.5	<1.5	<1	
	5/15/2009	<5	<5	<5	<15	<4	
	12/30/2008	<5	<5	<5	<15	<4	
	9/23/2008	<5	<5	<5	<15	<4	
	6/18/2008	<5	<5	<5	<15	<4	
	3/12/2008	<5	<5	<5	<15	<4	
	11/27/2007	<5	<5	<5	<15	<4	
	8/9/2007	NOT SAMPLED					
	5/8/2007	<5	<5	<5	<15	<4	
	2/7/2007	<5	<5	<5	<15	<4	
	11/14/2006	<5	<5	<5	<15	<4	
	8/3/2006	<5	<5	<5	<15	<4	
	4/10/2006	<5	<5	<5	<15	<4	
	12/6/2005	<5	<5	<5	<15	<4	
	8/8/2005	*15*	<5	<5	<15	6.7	
	5/4/2005	<5	<5	<5	<15	<4	
	1/26/2005	<5	<5	<5	<15	<4	
	9/23/2004	<5	<5	<5	<15	<4	
	6/15/2004	<5	<5	<5	<15	5.5	
	2/11/2004	<5	<5	<5	<15	12	
	10/28/2003	*5.3*	<5	<5	<15	6.2	
	7/23/2003	<5	<5	<5	<15	<4	
	4/28/2003	<5	<5	<5	<15	<4	
	1/29/2003	<5	<5	<5	<15	18	NS
	10/22/2002	<5	<5	<5	<15	*41*	
	7/10/2002	<5	<5	<5	<15	32	
	4/11/2002	<5	<5	<5	<15	<4	
	12/27/2001	<5	<5	<5	<15	<4	
	8/23/2001	<5	<5	<5	<15	25	
	7/5/2001	*21*	<5	<5	<15	*65*	
	3/23/2001	<5	<5	<5	<15	*85*	
	12/18/2000	*6*	<5	<5	<15	*83*	
	9/8/2000	<5	<5	6	<15	*70*	
	6/21/2000	<5	<5	<5	<15	*42*	
	3/10/2000	*7*	<5	<5	<15	29	
	12/8/1999	*5.2*	<5	<5	20	*180*	
	9/2/1999	<5	<5	<5	<15	*68*	
	6/8/1999	<5	<5	<5	<15	<4	
	2/9/1999	<5	<5	<5	<15	*50*	
	12/9/1998	<5	<5	<5	<15	*100*	
	8/3/1998	<5	<5	<5	<15	*340*	
	4/21/1998	<5	<5	<5	<15	*370*	
	1/26/1998	<5	23.9	<5	<15	*506*	
	10/21/1997	*14.5*	25.3	16.7	30	24.7	
	6/25/1997	*36.33*	18.46	36.65	105	21.12	
	4/1/1997	<5	<5	<5	<15	*630*	
	12/27/1996	<5	9	<5	20	*57*	
	9/24/1996	*22*	29	10	50	**4,071**	
	6/24/1996	**62**	19	53	68	**3,025**	
	2/21/1996	*13*	6	<5	22	**6,387**	
	9/14/1994	**193**	*1140*	272	1970	NA	

Historical Groundwater Analyses Results
Mac's 2392 (former Jr. Food Mart)
Concentrations in parts per billion, ppb

Location	Date	Benzene	Toluene	Ethyl-benzene	Xylenes	MTBE	Naphthalene
MW-4	9/22/2016	<1	<5	<1	<3	<1	<5
	6/22/2016	<1	<5	<1	<3	<1	<5
	3/21/2016	<1	<5	<1	<3	<1	<5
	12/16/2015	<1	<5	25.7	48.1	<1	44.5
	9/16/2015	<1	<5	<1	<3	<1	<5
	6/26/2015	<1	<5	<1	<3	<1	<5
	3/10/2015	<1	<5	6.2	15	<1	12
	12/23/2014	1.4	<5	5.2	18	<1	16
	9/8/2014	<1	<5	4.3	10	<1	22
	6/26/2014	<1	<5	<1	<3	<1	<5
	3/14/2014	1.3	<5	4.2	24	<1	10
	12/20/2013	2.9	<5	69	87	<1	150
	9/25/2013	2	<5	32	57	<1	150
	6/27/2013	<1	<5	28	39	<1	62
	3/18/2013	1.6	<5	54	66	<1	84
	12/20/2012	4.5	<5	75	95	<1	190
	9/28/2012	40	<25	130	160	55	NS
	6/21/2012	9.2	<5	28	31	23	
	3/12/2012	9.8	<5	10	15	24	
	3/15/2011	29	<50	<5	<15	12	
	5/15/2009	<5	<5	<5	<15	<4	
	12/30/2008	<5	<5	<5	<15	<4	
	9/23/2008	<5	<5	<5	<15	<4	
	6/18/2008	<5	<5	<5	<15	<4	
	3/12/2008	**105**	14	27	41	<4	
	11/27/2007	**56**	7	114	281	<4	
	8/9/2007	19	<5	37	37	<4	
	5/8/2007	25	<5	31	21	<4	
	2/7/2007	42	6	20	45	<4	
	11/14/2006	**230**	75	960	1,400	<5	
	8/3/2006	**73**	14	250	350	<5	
	4/10/2006	17	<5	10	<15	<5	
	12/6/2005	**57**	40	400	760	<5	
	8/8/2005	**140**	63	740	1,500	37	
	5/4/2005	**70**	24	240	450	<5	
	1/26/2005	47	19	240	380	<5	
	9/23/2004	**120**	86	830	2,300	47	
	6/15/2004	**85**	130	570	1,300	<5	
	2/11/2004	**120**	160	770	2,000	52	
	10/28/2003	**160**	230	800	2,900	47	
	7/23/2003	**260**	830	1,100	4,400	<5	
	4/28/2003	**190**	460	690	2,000	<5	
	1/29/2003	**320**	130	660	1,500	26	
	10/22/2002	**490**	810	580	1,800	18	
	7/10/2002	**690**	1,200	360	1,400	<5	
	4/11/2002	**610**	530	260	610	28	
	12/27/2001	**180**	140	230	1,800	190	
	8/23/2001	**70**	49	120	320	66	
	7/5/2001	**97**	120	140	450	60	
	3/23/2001	43	63	150	320	510	
	12/18/2000	**590**	2,000	1,100	4,500	260	
	9/8/2000	**180**	590	200	1,300	110	
	6/21/2000	**150**	52	37	130	120	
	3/10/2000	**200**	80	63	110	62	
	12/8/1999	**280**	1,200	310	2,500	320	
	9/2/1999	**450**	1,800	520	1,500	100	
	6/8/1999	**500**	2,500	880	3,600	120	
	2/9/1999	**1,100**	**12,000**	1,200	7,100	18	
	12/9/1998	**840**	630	910	4,100	58	
	8/3/1998	**1,100**	4,900	720	4,300	<5	
	4/21/1998	**1,620**	5,900	922	2,410	**1,160**	
	1/26/1998	**1,500**	5,500	702	2,870	**1,360**	
	10/21/1997	**1,410**	2,290	481	976	131	
	6/25/1997	**2,849**	2,124	484	1,485	**828**	
	4/1/1997	**2,800**	4,100	520	1,700	170	
	12/27/1996	**4,613**	6,372	615	2,172	**1,309**	
	9/24/1996	**4,673**	3,631	932	2,015	**1,700**	
	6/24/1996	**3,505**	3,303	750	1,673	**1,191**	
	2/21/1996	**1,323**	50	85	67	71	
	9/14/1994	**1,460**	2,370	184	1,650	NA	

Historical Groundwater Analyses Results
Mac's 2392 (former Jr. Food Mart)
Concentrations in parts per billion, ppb

Location	Date	Benzene	Toluene	Ethyl-benzene	Xylenes	MTBE	Naphthalene
MW-5	9/22/2016	<1	<5	<1	<3	<1	<5
	6/22/2016	<1	<5	<1	<3	<1	<5
	3/21/2016	<1	<5	<1	<3	<1	<5
	12/16/2015	<1	<5	<1	<3	<1	<5
	9/16/2015	<1	<5	<1	<3	<1	<5
	6/26/2015	<1	<5	<1	<3	<1	<5
	3/10/2015	<1	<5	<1	<3	<1	<5
	12/23/2014	<1	<5	<1	<3	<1	<5
	9/8/2014	<1	<5	<1	<3	<1	<5
	6/26/2014	<1	<5	<1	<3	<1	<5
	3/14/2014	<1	<5	<1	<3	<1	<5
	12/20/2013	<1	<5	<1	<3	<1	<5
	9/25/2013	<1	<5	*<1*	<3	<1	<5
	6/27/2013	<1	*<5*	*<1*	<3	<1	<5
	3/18/2013	<1	*<5*	*<1*	<3	<1	<5
	12/20/2012	<1	<5	<0.5	<3	<1	<5
	9/28/2012	<0.5	<5	<0.5	<1.5	<1	NS
	6/21/2012	<0.5	<5	<0.5	<1.5	<1	
	3/12/2012	<0.5	<5	<0.5	<1.5	<1	
	3/15/2011	<0.5	<5	<0.5	<1.5	<1	
	5/15/2009	<5	<5	<5	<15	<4	
	12/30/2008	<5	<5	<5	<15	<4	
	9/23/2008	<5	<5	<5	<15	<4	
	6/18/2008	<5	<5	<5	<15	<4	
	3/12/2008	*11.7*	<5	<5	<15	<4	
	11/27/2007	<5	<5	<5	<15	<4	
	8/9/2007	<5	<5	<5	<15	<4	
	5/8/2007	<5	<5	<5	<15	<4	
	2/7/2007	<5	<5	<5	<15	<4	
	11/14/2006	<5	<5	<5	<15	<5	
	8/3/2006	<5	<5	<5	<15	<5	
	4/10/2006	<5	<5	<5	<15	<5	
	12/6/2005	<5	<5	<5	<15	<5	
	8/8/2005	<5	<5	<5	<15	<5	
	5/4/2005	<5	<5	<5	<15	<5	
	1/26/2005	<5	<5	<5	<15	<5	
	9/23/2004	<5	<5	<5	<15	<5	
	6/15/2004	<5	<5	<5	<15	<5	
	2/11/2004	<5	<5	<5	<15	<5	
	10/28/2003	<5	<5	<5	<15	<5	
	7/23/2003	<5	<5	<5	<15	<5	
	4/28/2003	<5	<5	<5	<15	<5	
	1/29/2003	<5	<5	<5	<15	<5	
	10/22/2002	<5	7	17	27	<5	
	7/10/2002	<5	8	<5	26	13	
	4/11/2002	<5	<5	<5	<5	<5	
	12/27/2001	*21*	15	16	100	<5	
	8/23/2001	<5	<5	<5	<15	<5	
	7/5/2001	<5	<5	<5	<15	<5	
	3/23/2001	<5	<5	<5	<15	<5	
	12/18/2000	*8*	30	45	220	<5	
	9/8/2000	<5	<5	<5	<15	<5	
	6/21/2000	*5.3*	<5	<5	<15	<5	
	3/10/2000	<5	<5	<5	<15	<5	
	12/8/1999	*9.5*	<5	<5	<15	<5	
	9/2/1999	<5	10	<5	<15	<5	
	6/8/1999	<5	10	<5	<15	<5	
	2/9/1999	<5	<5	<5	<15	<5	
	12/9/1998	<5	<5	<5	<15	<5	
	8/3/1998	*43*	88	16	48	<5	
	4/21/1998	<5	<5	<5	<15	<5	
	1/26/1998	<5	<5	<5	<15	<5	
	10/21/1997	<5	<5	<5	<15	<5	
	6/25/1997	<5	<5	<5	<15	<5	
	4/1/1997	<5	<5	<5	<15	<5	
	12/27/1996	<5	<5	<5	<15	10	
	9/24/1996	<5	<5	<5	<15	<5	
	6/24/1996	<5	<5	<5	<15	<5	
	2/21/1996	<5	<5	<5	<5	<5	
	10/27/1994	2	1	<1	3	*126*	

Historical Groundwater Analyses Results
Mac's 2392 (former Jr. Food Mart)
Concentrations in parts per billion, ppb

Location	Date	Benzene	Toluene	Ethyl-benzene	Xylenes	MTBE	Naphthalene
MW-6	9/22/2016	<1	<5	<1	<3	1.53	<5
	6/22/2016	<1	<5	<1	1.14	<1	<5
	3/21/2016	<1	<5	<1	<3	<1	<5
	12/16/2015	<1	<5	<1	<3	<1	<5
	9/16/2015	<1	<5	<1	<3	<1	<5
	6/26/2015	<1	<5	<1	<3	<1	<5
	3/10/2015	<1	<5	<1	<3	<1	<5
	12/23/2014	Could not locate due to system piping install disturbance					
	9/8/2014	<1	<5	<1	<3	<1	<5
	6/26/2014	<1	<5	<1	<3	<1	<5
	3/14/2014	<1	<5	<1	<3	<1	<5
	12/20/2013	<1	<5	<1	<3	<1	<5
	9/25/2013	<1	<5	<1	1.7	<1	<5
	6/27/2013	<1	<5	<1	<3	<1	<5
	3/18/2013	<1	<5	<1	<3	<1	<5
	12/20/2012	<1	<5	<0.5	<3	<1	<5
	9/28/2012	<0.5	<5	<0.5	<1.5	2.8	
	6/21/2012	<0.5	<5	<0.5	<1.5	2.3	
	3/12/2012	<0.5	<5	<0.5	<1.5	<1	
	3/15/2011	Not Sampled					
	5/15/2009	<5	<5	<5	<15	<4	
	12/30/2008	<5	<5	<5	<15	<4	
	9/23/2008	<5	<5	<5	<15	<4	
	6/18/2008	<5	<5	<5	<15	<4	
	3/12/2008	5.8	<5	<5	<15	<4	
	11/27/2007	<5	<5	<5	<15	91.2	
	8/9/2007	<5	<5	<5	<15	15.4	
	5/8/2007	<5	<5	<5	<15	11.1	NS
	2/7/2007	<5	<5	<5	<15	15	
	11/14/2006	<5	<5	<5	<15	<5	
	8/3/2006	<5	<5	<5	<15	53	
	4/10/2006	<5	<5	<5	<15	62	
	12/6/2005	<5	<5	<5	<15	130	
	8/8/2005	<5	<5	<5	<15	100	
	5/4/2005	<5	<5	<5	<15	17	
	1/26/2005	<5	<5	<5	<15	75	
	9/23/2004	<5	<5	<5	<15	14	
	6/15/2004	<5	<5	<5	<15	110	
	2/11/2004	<5	<5	<5	<15	250	

Historical Groundwater Analyses Results Mac's 2392 (former Jr. Food Mart) Concentrations in parts per billion, ppb							
Location	Date	Benzene	Toluene	Ethyl-benzene	Xylenes	MTBE	Naphthalene
MW-7	9/22/2016	1,500	2,060	742	1920	<5	187
	6/22/2016	597	<100	127	146	<20	<100
	3/21/2016	2,130	3660	810	3650	<1	<500
	12/16/2015	1,510	2,860	973	2,960	<25	412
	9/16/2015	736	2,330	1,480	3,590	<1	557
	6/26/2015	119	626	192	848	<10	115
	3/10/2015	5,000	23,000	2,600	12,000	<100	<500
	12/23/2014	2,500	14,000	2,100	8,200	<100	<500
	9/8/2014	1,800	6,800	1,900	6,000	<100	<500
	6/26/2014	2,200	4,000	1,200	3,300	<10	200
	3/14/2014	1,300	1,000	1,100	2,900	<10	170
	12/20/2013	1,100	3,300	1,700	7,000	<10	<50
	9/25/2013	4,300	15,000	2000	8400	<10	330
	6/27/2013	260	560	310	600	<10	<50
	3/18/2013	660	1,400	960	3,800	<200	<1000
	12/20/2012	7,100	28,000	3,400	16,000	<100	690
	9/28/2012	2,500	10,000	2,600	11,000	200	NS
	6/21/2012	1,700	4,900	1,300	5,300	140	
	3/12/2012	2,100	8,100	1,200	5,700	180	
	3/15/2011	5,100	13,000	1,900	10,000	1,600	
	5/15/2009	10,200	24,700	2,410	12,800	<40	
	12/30/2008	11,600	25,500	2,570	19,100	<40	
	9/23/2008	8,450	21,500	2,620	17,700	<40	
	6/18/2008	6,380	15,500	2,380	11,500	<40	
	3/12/2008	9,930	17,600	49,700	394,000	<400	
	11/27/2007	15,400	39,700	4,550	21,200	<400	
	8/9/2007	6,020	27,500	3,720	18,300	<800	
	5/8/2007	6,890	17,800	1,840	7,760	<40	
	2/7/2007	3,920	13,000	5,100	22,600	<200	
	11/14/2006	21,000	57,000	4,900	22,000	<120	
	8/3/2006	7,500	28,000	4,500	20,000	<120	
	4/10/2006	8,900	28,000	4,100	21,000	<120	
	12/6/2005	12,000	38,000	5,100	25,000	<45	
	8/8/2005	10,000	28,000	3,400	20,000	60	
	5/4/2005	3,000	8,300	1,800	9,600	<33	
	1/26/2005	4,600	16,000	4,800	20,000	300	
	9/23/2004	7,200	23,000	2,800	16,000	11	
	6/15/2004	7,000	38,000	3,700	19,000	130	
	2/11/2004	20,000	50,000	3,900	18,000	200	

Historical Groundwater Analyses Results Mac's 2392 (former Jr. Food Mart) Concentrations in parts per billion, ppb							
Location	Date	Benzene	Toluene	Ethyl-benzene	Xylenes	MTBE	Naphthalene
MW-8	9/22/2016	**20.4**	8.5	17	32.9	<1	<5
	6/22/2016	**58.9**	13.2	20.6	37.6	<1	<5
	3/21/2016	**51**	<5	*1.13*	*4.08*	<1	<5
	12/16/2015	**64.8**	5.63	*31*	*25*	<1	<5
	9/16/2015	*34.1*	82.8	*36.6*	*79.3*	<1	<5
	6/26/2015	<1	<5	<1	<3	<1	<5
	3/10/2015	*12*	<5	2	3	<1	<5
	12/23/2014	**98**	<50	*13*	*<30*	*<10*	<50
	9/8/2014	**690**	1,000	*310*	*1,400*	*<10*	*110*
	6/26/2014	**580**	980	*390*	*1,600*	*<10*	*99*
	3/14/2014	**990**	440	*970*	*2,300*	*<10*	*140*
	12/20/2013	**2,100**	900	*1,800*	6,400	*<50*	*360*
	9/25/2013	**1,900**	980	*1,400*	*5,900*	*<10*	*340*
	6/27/2013	**1,800**	980	*1,200*	*4,800*	*<10*	*220*
	3/18/2013	**1,400**	590	*950*	3,300	<20	*130*
	12/20/2012	**2,600**	*2,000*	*1,400*	6,300	*<10*	*260*
	9/28/2012	**680**	900	270	1,100	*79*	
	6/21/2012	**720**	370	380	1,700	*110*	
	3/12/2012	**840**	640	420	1,800	<10	
	3/15/2011	**490**	990	700	2,800	*380*	
	5/15/2009	**214**	*1,390*	566	2,970	<4	
	12/30/2008	**1,580**	*3,370*	*1,160*	5,680	<40	
	9/23/2008	**775**	698	553	1,240	<40	
	6/18/2008	**2,250**	**16,100**	*2,680*	*15,100*	<40	
	3/12/2008	**5,690**	**64,400**	*6,920*	**37,300**	<40	
	11/27/2007	**4,620**	*4,820*	*1,790*	6,730	<40	
	8/9/2007	**3,090**	**8,440**	*3,030*	*13,100*	*<400*	
	5/8/2007	**3,640**	*1,880*	*1,690*	6,210	<40	NS
	2/7/2007	**9,480**	*1,260*	*2,080*	7,450	<40	
	11/14/2006	**1,500**	**18,000**	*3,600*	*16,000*	<25	
	8/3/2006	**2,700**	*6,200*	*2,700*	*10,000*	*<120*	
	4/10/2006	**5,000**	**19,000**	*4,400*	*18,000*	<50	
	12/6/2005	**3,500**	**15,000**	*3,100*	*13,000*	<10	
	8/8/2005	**1,700**	*3,300*	*1,800*	6,300	*110*	
	5/4/2005	**2,800**	**8,700**	*2,000*	8,000	<33	
	1/26/2005	**4,600**	**14,000**	*4,100*	*16,000*	*140*	
	9/23/2004	**5,600**	150	*4,100*	*18,000*	<5	
	6/15/2004	**5,400**	**15,000**	*4,600*	*17,000*	*140*	
	2/11/2004	**12,000**	**40,000**	*4,000*	*18,000*	*170*	

Historical Groundwater Analyses Results
Mac's 2392 (former Jr. Food Mart)
Concentrations in parts per billion, ppb

Location	Date	Benzene	Toluene	Ethyl-benzene	Xylenes	MTBE	Naphthalene
MW-9	9/22/2016	<1	<5	<1	<3	<1	<5
	6/22/2016	<1	<5	<1	<3	<1	<5
	3/21/2016	<1	<5	<1	<3	<1	<5
	12/16/2015	<1	<5	<1	<3	<1	<5
	9/16/2015	<1	<5	<1	<3	<1	<5
	6/26/2015	<1	<5	<1	<3	<1	<5
	3/10/2015	<1	<5	<1	<3	<1	<5
	12/23/2014	<1	<5	<1	<3	<1	<5
	9/8/2014	<1	<5	<1	<3	<1	<5
	6/26/2014	<1	<5	<1	<3	<1	<5
	3/14/2014	<1	<5	<1	<3	<1	<5
	12/20/2013	<1	<5	<1	<3	<1	<5
	9/25/2013	<1	<5	<1	<3	<1	<5
	6/27/2013	<1	<5	<1	<3	<1	<5
	3/18/2013	<1	<5	<1	<3	<1	<5
	12/20/2012	<1	<5	<1	<3	<1	<5
	9/28/2012	<0.5	<5	<0.5	<1.5	<1	
	6/21/2012	<0.5	<5	<0.5	<1.5	<1	
	3/12/2012	0.58	<5	<0.5	<1.5	<1	
	3/15/2011	Not Sampled					
	5/15/2009	<5	<5	<5	<15	<4	
	12/30/2008	<5	<5	<5	<15	<4	
	9/23/2008	<5	<5	<5	<15	<4	
	6/18/2008	<5	<5	<5	<15	<4	
	3/12/2008	<5	<5	<5	<15	<4	
	11/27/2007	<5	<5	<5	<15	<4	
	8/9/2007	<5	<5	<5	<15	<4	
	5/8/2007	<5	<5	<5	<15	<4	NS
	2/7/2007	<5	<5	<5	<15	<4	
	11/14/2006	<5	<5	<5	<15	<5	
	8/3/2006	<5	<5	<5	<15	<5	
	4/10/2006	<5	<5	<5	<15	<5	
	12/6/2005	<5	<5	<5	<15	<5	
	8/8/2005	<5	<5	<5	<15	<5	
	5/4/2005	<5	<5	<5	<15	<5	
	1/26/2005	<5	<5	<5	<15	<5	
	9/23/2004	<5	<5	<5	<15	<5	
	6/15/2004	<5	<5	<5	<15	<5	
	2/11/2004	**76**	200	15	73	<4	

Historical Groundwater Analyses Results
Mac's 2392 (former Jr. Food Mart)
Concentrations in parts per billion, ppb

Location	Date	Benzene	Toluene	Ethyl-benzene	Xylenes	MTBE	Naphthalene
MW-10 (Offsite)	9/22/2016	<1	<5	<1	<3	<1	<5
	6/22/2016	<1	<5	<1	<3	<1	<5
	3/21/2016	<1	<5	<1	<3	<1	<5
	12/16/2015	<1	<5	<1	<3	<1	<5
	9/16/2015	<1	<5	<1	<3	<1	<5
	6/26/2015	<1	<5	<1	<3	<1	<5
	3/10/2015	<1	<5	<1	<3	<1	<5
	12/23/2014	<1	<5	<1	<3	<1	<5
	9/8/2014	<1	<5	<1	<3	<1	<5
	6/26/2014	<1	<5	<1	<3	<1	<5
	3/14/2014	<1	<5	<1	<3	<1	<5
	12/20/2013	<1	<5	<1	<3	<1	<5
	9/25/2013	<1	<5	<1	<3	<1	<5
	6/27/2013	<1	<5	<1	<3	<1	<5
	3/18/2013	<1	<5	<1	<3	<1	<5
	12/20/2012	<1	<5	<1	<3	<1	<5
	9/28/2012	Could not be located due to natural gas line work					NS
	6/21/2012	<0.5	<5	<0.5	<1.5	<1	
	3/12/2012	<0.5	<5	<0.5	<1.5	<1	
	3/15/2011	Not Sampled					
	5/15/2009	<5	<5	<5	<15	<4	
	12/30/2008	<5	<5	<5	<15	<4	
	9/23/2008	<5	<5	<5	<15	<4	
	6/18/2008	<5	<5	<5	<15	<4	
	3/12/2008	<5	<5	<5	<15	<4	
	11/27/2007	<5	<5	<5	<15	<4	
	8/9/2007	Not Sampled					
	5/8/2007	<5	<5	<5	<15	<4	
	2/7/2007	<5	<5	<5	<15	<4	
	11/14/2006	<5	<5	<5	<15	<5	
	8/3/2006	<5	<5	<5	<15	<5	
	4/10/2006	<5	<5	<5	<15	<5	
	12/6/2005	<5	<5	<5	<15	<5	
	8/8/2005	<5	<5	<5	<15	<5	
	5/4/2005	<5	<5	<5	<15	<5	
	1/26/2005	<5	<5	<5	<15	<5	
	9/23/2004	<5	<5	<5	<15	<5	
	6/15/2004	<5	<5	<5	<15	<5	
	2/11/2004	<5	<5	<5	<15	<4	

Historical Groundwater Analyses Results Mac's 2392 (former Jr. Food Mart) Concentrations in parts per billion, ppb							
Location	**Date**	**Benzene**	**Toluene**	**Ethyl-benzene**	**Xylenes**	**MTBE**	**Naphthalene**
MW-11 (Offsite)	9/22/2016	<1	<5	<1	<3	<1	<5
	6/22/2016	<1	<5	<1	<3	<1	<5
	3/21/2016	<1	<5	<1	<3	<1	<5
	12/16/2015	<1	<5	<1	<3	<1	<5
	9/16/2015	<1	<5	<1	<3	<1	<5
	6/26/2015	<1	<5	<1	<3	<1	<5
	3/10/2015	<1	<5	<1	<3	<1	<5
	12/23/2014	<1	<5	<1	<3	<1	<5
	9/8/2014	<1	<5	<1	<3	<1	<5
	6/26/2014	<1	<5	<1	<3	<1	<5
	3/14/2014	<1	<5	<1	<3	<1	<5
	12/20/2013	<1	<5	<1	<3	<1	<5
	9/25/2013	<1	<5	<1	<3	<1	<5
	6/27/2013	<1	<5	<1	<3	<1	<5
	3/18/2013	<1	<5	<1	<3	<1	<5
	12/20/2012	<1	<5	<1	<3	<1	<5
	9/28/2012	<0.5	<5	<0.5	<1.5	<1	
	6/21/2012	<0.5	<5	<0.5	<1.5	<1	
	3/12/2012	<0.5	<5	<0.5	<1.5	<1	
	3/15/2011	Not Sampled					
	5/15/2009	<5	<5	<5	<15	<4	
	12/30/2008	<5	<5	<5	<15	<4	
	9/23/2008	<5	<5	<5	<15	<4	
	6/18/2008	<5	<5	<5	<15	<4	
	3/12/2008	<5	<5	<5	<15	<4	
	11/27/2007	<5	<5	<5	<15	<4	
	8/9/2007	<5	<5	<5	<15	<4	
	5/8/2007	<5	<5	<5	<15	<4	NS
	2/7/2007	<5	<5	<5	<15	<4	
	11/14/2006	<5	<5	<5	<15	<5	
	8/3/2006	<5	<5	<5	<15	<5	
	4/10/2006	<5	<5	<5	<15	<5	
	12/6/2005	<5	<5	<5	<15	<5	
	8/8/2005	<5	<5	<5	<15	<5	
	5/4/2005	<5	<5	<5	<15	<5	
	1/26/2005	<5	<5	<5	<15	<5	
	9/23/2004	<5	<5	<5	<15	<5	
	6/15/2004	<5	<5	<5	<15	<5	
	2/11/2004	<5	<5	<5	<15	<4	

Historical Groundwater Analyses Results Mac's 2392 (former Jr. Food Mart) Concentrations in parts per billion, ppb							
Location	**Date**	**Benzene**	**Toluene**	**Ethyl-benzene**	**Xylenes**	**MTBE**	**Naphthalene**
MW-12 (Offsite)	9/22/2016	<1	<5	<1	<3	<1	<5
	6/22/2016	<1	<5	<1	<3	<1	<5
	3/21/2016	<1	<5	<1	<3	<1	<5
	12/16/2015	<1	<5	<1	<3	<1	<5
	9/16/2015	<1	<5	<1	<3	<1	<5
	6/26/2015	<1	<5	<1	<3	<1	<5
	3/10/2015	<1	<5	<1	<3	<1	<5
	12/23/2014	<1	<5	<1	<3	<1	<5
	9/8/2014	<1	<5	<1	<3	<1	<5
	6/26/2014	<1	<5	<1	<3	<1	<5
	3/14/2014	<1	<5	<1	<3	<1	<5
	12/20/2013	<1	<5	<1	<3	<1	<5
	9/25/2013	<1	<5	<1	<3	<1	<5
	6/27/2013	<1	<5	<1	<3	<1	<5
	3/18/2013	<1	<5	<1	<3	<1	<5
	12/20/2012	<1	<5	<1	<3	<1	<5
	9/28/2012	<0.5	<5	<0.5	<1.5	<1	
	6/21/2012	<0.5	<5	<0.5	<1.5	<1	
	3/12/2012	<0.5	<5	<0.5	<1.5	<1	
	3/15/2011	Not Sampled					
	5/15/2009	<5	<5	<5	<15	<4	
	12/30/2008	<5	<5	<5	<15	<4	
	9/23/2008	<5	<5	<5	<15	<4	
	6/18/2008	<5	<5	<5	<15	<4	
	3/12/2008	<5	<5	<5	<15	<4	
	11/27/2007	<5	<5	<5	<15	<4	
	8/9/2007	<5	<5	<5	<15	<4	
	5/8/2007	<5	<5	<5	<15	<4	NS
	2/7/2007	<5	<5	<5	<15	<4	
	11/14/2006	<5	<5	<5	<15	<5	
	8/3/2006	<5	<5	<5	<15	<5	
	4/10/2006	<5	<5	<5	<15	<5	
	12/6/2005	<5	<5	<5	<15	<5	
	8/8/2005	<5	<5	<5	<15	<5	
	5/4/2005	<5	<5	<5	<15	<5	
	1/26/2005	<5	<5	<5	<15	<5	
	9/23/2004	<5	<5	<5	<15	<5	
	6/15/2004	<5	<5	<5	<15	<5	
	2/11/2004	<5	<5	<5	<15	<4	

Historical Groundwater Analyses Results
Mac's 2392 (former Jr. Food Mart)
Concentrations in parts per billion, ppb

Location	Date	Benzene	Toluene	Ethyl-benzene	Xylenes	MTBE	Naphthalene
MW-13 (Offsite)	9/22/2016	<1	<5	<1	<3	<1	<5
	6/22/2016	<1	<5	<1	<3	<1	<5
	3/21/2016	<1	<5	<1	<3	<1	<5
	12/16/2015	<1	<5	<1	<3	<1	<5
	9/16/2015	<1	<5	<1	<3	<1	<5
	6/26/2015	<1	<5	<1	<3	<1	<5
	3/10/2015	<1	<5	<1	<3	<1	<5
	12/23/2014	<1	<5	<1	<3	<1	<5
	9/8/2014	<1	<5	<1	<3	<1	<5
	6/26/2014	<1	<5	<1	<3	<1	<5
	3/14/2014	<1	<5	<1	<3	<1	<5
	12/20/2013	<1	<5	<1	<3	<1	<5
	9/25/2013	<1	<5	<1	<3	<1	<5
	6/27/2013	<1	<5	<1	<3	<1	<5
	3/18/2013	<1	<5	<1	<3	<1	<5
	12/20/2012	<1	<5	<1	<3	<1	<5
	9/28/2012	<0.5	<5	<0.5	<1.5	<1	
	6/21/2012	<0.5	<5	<0.5	<1.5	<1	
	3/12/2012	<0.5	<5	<0.5	<1.5	<1	
	3/15/2011	Not Sampled					
	5/15/2009	<5	<5	<5	<15	<4	
	12/30/2008	<5	<5	<5	<15	<4	
	9/23/2008	<5	<5	<5	<15	<4	
	6/18/2008	<5	<5	<5	<15	<4	
	3/12/2008	<5	<5	<5	<15	<4	
	11/27/2007	<5	<5	<5	<15	<4	
	8/9/2007	<5	<5	<5	<15	<4	
	5/8/2007	<5	<5	<5	<15	<4	NS
	2/7/2007	<5	<5	<5	<15	<4	
	11/14/2006	<5	<5	<5	<15	<5	
	8/3/2006	<5	<5	<5	<15	<5	
	4/10/2006	<5	<5	<5	<15	<5	
	12/6/2005	<5	<5	<5	<15	<5	
	8/8/2005	<5	<5	<5	<15	<5	
	5/4/2005	<5	<5	<5	<15	<5	
	1/26/2005	<5	<5	<5	<15	<5	
	9/23/2004	<5	<5	<5	<15	<5	
	6/15/2004	<5	<5	<5	<15	<5	
	4/12/2004	<5	<5	<5	<15	<5	

Historical Groundwater Analyses Results
Mac's 2392 (former Jr. Food Mart)
Concentrations in parts per billion, ppb

Location	Date	Benzene	Toluene	Ethyl-benzene	Xylenes	MTBE	Naphthalene
MW-14 (Offsite)	3/12/2012	Destroyed by sewer utility installation					
	3/15/2011	Not Sampled					NS
	5/15/2009	<5	<5	<5	<15	*<4*	
	12/30/2008	<5	<5	<5	<15	*<4*	
	9/23/2008	<5	<5	<5	<15	*<4*	
	6/18/2008	<5	<5	<5	<15	*<4*	
	3/12/2008	<5	<5	<5	<15	*<4*	
	11/27/2007	<5	<5	<5	<15	*<4*	
	8/9/2007	<5	<5	<5	<15	*<4*	
	5/8/2007	<5	<5	<5	<15	*<4*	
	2/7/2007	<5	<5	<5	<15	*<4*	
	11/14/2006	<5	5.2	<5	<15	<5	
	8/3/2006	<5	10	<5	<15	<5	
	4/10/2006	<5	15	<5	<15	<5	
	12/6/2005	<5	<5	<5	<15	<5	
	8/8/2005	<5	<5	<5	<15	<5	
	5/4/2005	<5	<5	<5	<15	<5	
	1/26/2005	<5	<5	<5	<15	<5	
	9/23/2004	<5	<5	<5	<15	<5	
	6/15/2004	<5	<5	<5	<15	<5	
	4/12/2004	<5	<5	<5	<15	<5	
MW-15	9/22/2016	<1	<5	<1	<3	<1	<5
	6/22/2016	<1	<5	<1	<3	<1	<5
	3/21/2016	<1	<5	<1	<3	<1	<5
	12/16/2015	<1	<5	<1	<3	<1	<5
	9/16/2015	<1	<5	<1	<3	<1	<5
	6/26/2015	<1	<5	<1	<3	<1	<5
	3/10/2015	<1	<5	<1	<3	<1	<5
	12/23/2014	<1	<5	<1	<3	<1	<5
	9/8/2014	<1	<5	<1	<3	<1	<5
	6/26/2014	<1	<5	<1	<3	<1	<5
	3/14/2014	<1	<5	<1	<3	<1	<5
	12/20/2013	<1	<5	<1	<3	<1	<5
	9/25/2013	<1	<5	<1	<3	<1	<5
	6/27/2013	<1	<5	<1	<3	<1	<5
	3/18/2013	<1	<5	<1	<3	<1	<5
	12/20/2012	<1	<5	<1	<3	<1	<5
	9/28/2012	<0.5	<5	<0.5	<1.5	<1	
	6/21/2012	**1,300**	<10	1.7	7.2	*8.5*	
	3/12/2012	**250**	<5	<0.5	2.1	<1.0	
	3/15/2011	*6.4*	<50	9.6	43	*<10*	
	5/15/2009	<5	<5	<5	<15	*<4*	
	12/30/2008	<5	<5	<5	<15	*<4*	
	9/23/2008	<5	<5	<5	<15	*<4*	
	6/18/2008	<5	<5	<5	<15	*<4*	
	3/12/2008	<5	<5	<5	<15	*<4*	
	11/27/2007	<5	<5	<5	<15	*<4*	
	8/9/2007	<5	<5	<5	<15	*<4*	
	5/8/2007	<5	<5	<5	<15	*<4*	NS
	2/7/2007	<5	38	21	101	*<4*	
	11/14/2006	<5	<5	<5	<15	<5	
	8/3/2006	<5	<5	<5	<15	6	
	4/10/2006	<5	<5	<5	<15	<5	
	12/6/2005	<5	<5	<5	<15	<5	
	8/8/2005	<5	<5	<5	<15	<5	
	5/4/2005	<5	<5	<5	<15	<5	
	1/26/2005	<5	<5	<5	<15	<5	
	9/23/2004	<5	<5	<5	<15	<5	
	6/15/2004	<5	<5	<5	<15	<5	
	4/12/2004	<5	<5	<5	<15	<5	

Historical Groundwater Analyses Results
Mac's 2392 (former Jr. Food Mart)
Concentrations in parts per billion, ppb

Location	Date	Benzene	Toluene	Ethyl-benzene	Xylenes	MTBE	Naphthalene
MW-16	9/28/2012	Destroyed					
	6/21/2012	9,100	10,000	2,200	8,200	220	NS
	3/12/2012	8,000	7,600	2,200	7,400	<50	
	3/15/2011	12,000	2,400	760	300	310	
	5/15/2009	16,600	22,300	2,820	12,000	<40	
	12/30/2008	19,500	20,400	3,900	16,200	<40	
	9/23/2008	17,900	22,000	3,930	16,800	<40	
	6/18/2008	15,400	23,100	3,240	16,600	<40	
	3/12/2008	11,100	23,800	3,880	19,900	<400	
	11/27/2007	18,600	26,000	4,400	18,900	<400	
	8/9/2007	23,600	41,600	4,380	21,400	<800	
	5/8/2007	15,600	23,000	2,920	17,900	<40	
	2/7/2007	28,900	13,800	4,600	17,900	<100	
	11/14/2006	22,000	40,000	5,100	21,000	<120	
	8/3/2006	21,000	35,000	5,000	20,000	<120	
	4/10/2006	20,000	35,000	5,400	20,000	<120	
	12/6/2005	16,000	30,000	4,600	21,000	<25	
	8/8/2005	15,000	43,000	4,600	22,000	270	
	5/4/2005	19,000	38,000	3,100	17,000	<33	
	1/26/2005	19,000	45,000	4,000	21,000	<5	
	9/23/2004	23,000	67,000	4,500	24,000	<5	
MW-16R	9/22/2016	6,190	19,700	4,270	16,100	<25	697
	6/22/2016	8,120	22,200	3,760	16,000	<100	576
	3/21/2016	8,050	18,800	3,690	15,400	<1	<500
	12/16/2015	8,910	21,300	3,450	14,900	<250	<1250
	9/16/2015	7,830	21,200	3,820	16,800	<250	<1250
	6/26/2015	8,700	25,300	3,950	17,200	<250	<1200
	3/10/2015	12,000	38,000	3,700	18,000	<250	<1200
	12/23/2014	10,000	30,000	3,600	18,000	<1000	<5000
	9/8/2014	7,300	22,000	3,100	15,000	<1000	<5000
	6/26/2014	6,300	16,000	2,500	11,000	<1000	<5000
	3/14/2014	13,000	33,000	5,000	23,000	<50	710
	12/20/2013	16,000	50,000	4,800	22,000	<250	<1200
	9/25/2013	15,000	49,000	4,500	22,000	<500	<2500
	6/27/2013	13,000	40,000	3,900	19,000	<200	<1000
	3/18/2013	14,000	36,000	3,200	16,000	<250	<1200
	12/20/2012	12,000	44,000	4,600	21,000	<50	620

Historical Groundwater Analyses Results Mac's 2392 (former Jr. Food Mart) Concentrations in parts per billion, ppb							
Location	Date	Benzene	Toluene	Ethyl-benzene	Xylenes	MTBE	Naphthalene
MW-17	9/22/2016	**30.5**	10.5	19.6	26.3	<1	6.21
	6/22/2016	**199**	21.3	*68*	68.8	<1	*18.6*
	3/21/2016	**1,900**	172	*547*	497	<1	*119*
	12/16/2015	**1,910**	<125	549	376	**738**	*357*
	9/16/2015	**2,000**	<125	541	333	**829**	*351*
	6/26/2015	**2,320**	<120	*829*	714	**731**	*456*
	3/10/2015	**3,800**	<120	*1,100*	970	**880**	*440*
	12/23/2014	**3,300**	<500	*750*	690	**890**	*<500*
	9/8/2014	**2,300**	<500	590	560	**790**	*<500*
	6/26/2014	**2,600**	<500	690	770	**720**	*<500*
	3/14/2014	**3,500**	<500	*1,200*	**1,500**	***690***	*530*
	12/20/2013	**3,600**	<120	*1,100*	1,300	**840**	*510*
	9/25/2013	**4,800**	<250	*1,200*	1,500	**1,100**	*640*
	6/27/2013	**4,100**	<250	*1,000*	1,400	**990**	*630*
	3/18/2013	**4,400**	<250	*1,100*	1,600	**1,000**	*490*
	12/20/2012	**5,400**	<250	*1,200*	1,700	1,200	*610*
	9/28/2012	**4,500**	<250	*1,100*	1,600	**1,000**	
	6/21/2012	**7,600**	*3,000*	*2,300*	6,600	**1,300**	
	3/12/2012	**10,000**	*5,100*	*1,900*	5,700	**940**	
	3/15/2011	**3,400**	210	*1,400*	4,000	**1,500**	
	5/15/2009	**3,680**	738	*931*	935	*553*	
	12/30/2008	**4,490**	553	*1,150*	<1500	**1,050**	
	9/23/2008	**3,860**	239	*1,200*	<1500	**802**	
	6/18/2008	**3,380**	*1,260*	*802*	1,540	*674*	
	3/12/2008	**8,750**	**17,900**	*2,940*	*11,200*	*719*	
	11/27/2007	**10,200**	542	*1,980*	387	**1,210**	
	8/9/2007	**4,190**	<125	*1,300*	<375	*636*	NS
	5/8/2007	**5,440**	50.4	*843*	159	*645*	
	2/7/2007	**7,270**	222	*1,630*	<750	*<200*	
	11/14/2006	**6,300**	*2,600*	*2,100*	3,200	**1,000**	
	8/3/2006	**12,000**	*8,100*	*3,300*	4,400	**1,300**	
	4/10/2006	**7,100**	300	*2,200*	1,200	*500*	
	12/6/2005	**11,000**	*7,500*	*3,100*	3,700	*950*	
	8/8/2005	**14,000**	**22,000**	*3,500*	*11,000*	**1,400**	
	5/4/2005	**8,000**	**8,900**	*1,800*	6,400	*560*	
	1/26/2005	**10,000**	**22,000**	*2,200*	*12,000*	*700*	
	9/23/2004	**15,000**	**42,000**	*2,700*	*16,000*	**770**	

Historical Groundwater Analyses Results Mac's 2392 (former Jr. Food Mart) Concentrations in parts per billion, ppb							
Location	Date	Benzene	Toluene	Ethyl-benzene	Xylenes	MTBE	Naphthalene
MW-18	9/22/2016	3,230	5,720	1,360	5,330	3.52	182
	6/22/2016	2,150	<25	588	281	459	281
	3/21/2016	1,050	26.7	333	377	<100	<500
	12/16/2015	1,060	169	457	656	<25	143
	9/16/2015	123	<125	36.7	86.8	<25	<125
	6/26/2015	1,500	137	295	585	<25	<120
	3/10/2015	6,100	460	1,100	1,700	<25	280
	12/23/2014	4,100	400	1,100	1,800	<20	<250
	9/8/2014	1,100	170	660	1,300	<5	150
	6/26/2014	500	81	210	510	<5	63
	3/14/2014	5,600	680	1,800	3,300	<10	360
	12/20/2013	4,600	780	1,900	3,600	<25	420
	9/25/2013	4,700	560	1,900	4,000	<50	450
	6/27/2013	3,600	530	1,500	3,500	<50	380
	3/18/2013	150	16	37	68	<1	7.4
	12/20/2012	870	840	2,200	4,100	<50	460
	9/28/2012	4,400	580	1,800	3,800	200	NS
	6/21/2012	15,000	<500	880	1,200	130	
	3/12/2012	12,000	410	1,000	1,400	<50	
	3/15/2011	6,800	1,000	1,900	3,400	2,400	
	5/15/2009	2,890	790	1,730	7,210	<40	
	12/30/2008	4,620	2,110	2,870	14,500	<40	
	9/23/2008	866	7,130	1,670	8,050	<40	
	6/18/2008	307	5,810	1,150	5,970	<40	
	3/12/2008	8,730	4,460	1,750	8,510	<400	
	11/27/2007	17,300	3,230	1,960	8,290	<400	
	8/9/2007	2,120	6,600	856	3,650	<400	
	5/8/2007	2,740	5,650	740	3,050	<40	
	2/7/2007	14,100	7,150	1,780	7,040	<40	
	11/14/2006	3,000	21,000	1,900	10,000	<25	
	8/3/2006	11,000	4,800	1,100	4,000	<50	
	4/10/2006	2,800	9,600	950	3,400	<50	
	12/6/2005	7,300	7,400	1,300	5,800	<25	
	8/8/2005	4,600	4,100	990	4,000	200	
	5/4/2005	2,500	6,800	1,100	5,300	180	
	1/26/2005	5,200	14,000	2,000	9,600	<5	
	9/23/2004	6,600	24,000	2,900	14,000	260	

Historical Groundwater Analyses Results
Mac's 2392 (former Jr. Food Mart)
Concentrations in parts per billion, ppb

Location	Date	Benzene	Toluene	Ethyl-benzene	Xylenes	MTBE	Naphthalene
MW-19	9/22/2016	21.4	<5	<1	17.6	<1	<5
	6/22/2016	5.12	<5	<1	6.44	<1	<5
	3/21/2016	<1	<5	<1	<3	<1	<5
	12/16/2015	<1	<5	<1	<3	<1	<5
	9/16/2015	167	221	75.1	360	<1	<5
	6/26/2015	<1	<5	<1	<3	<1	<5
	3/10/2015	<1	<5	<1	<3	<1	<5
	12/23/2014	240	<25	<5	250	<5	<25
	9/8/2014	760	290	5.2	1,600	<5	83
	6/26/2014	850	450	130	930	<5	36
	3/14/2014	610	420	190	1,200	<5	35
	12/20/2013	3,500	<250	150	930	<5	<250
	9/25/2013	2,800	5,600	380	2,600	<5	76
	6/27/2013	300	48	10	400	<1	<25
	3/18/2013	46	27	<5	110	<5	<25
	12/20/2012	17,000	24,000	1,600	7,500	<50	<250
	9/28/2012	3,700	8,800	720	4,500	78	
	6/21/2012	9,000	2,800	690	2,000	<50	
	3/12/2012	52	42	20	190	<1	
	3/31/2011**	95	170	34	560	21	
	3/31/2011	950	100	60	460	30	
	3/15/2011	2.5	<5	140	300	4.6	
	5/15/2009	Not Sampled					
	12/30/2008	7,930	77,200	58,100	334,000	<2000	
	9/23/2008	18,300	102,000	18,400	91,000	<2000	
	6/18/2008	39,900	2,800,000	901,000	3,900,000	<2000	
	3/12/2008	57.3	341	83.3	915	<4	
	11/27/2007	21,300	63,000	7,190	33,800	<400	NS
	8/9/2007	19,400	52,700	5,510	28,900	<1000	
	5/8/2007	20,400	22,000	4,270	22,300	<200	
	2/7/2007	28,600	10,000	3,180	13,200	<200	
	11/14/2006	27,000	64,000	4,000	22,000	<25	
	8/3/2006	29,000	50,000	4,200	19,000	<120	
	4/10/2006	33,000	74,000	5,300	24,000	<120	
	12/6/2005	16,000	38,000	4,600	20,000	<25	
	8/8/2005	25,000	37,000	3,700	16,000	160	
	5/4/2005	18,000	42,000	4,100	15,000	350	
	1/26/2005	14,000	39,000	4,000	18,000	<5	
	9/23/2004	17,000	36,000	3,900	18,000	250	
MW-20	9/22/2016	<1	<5	<1	<3	<1	<5
	6/22/2016	<1	<5	<1	<3	<1	<5
	3/21/2016	<1	<5	<1	<3	<1	<5
	12/16/2015	<1	<5	<1	<3	<1	<5
	9/16/2015	<1	<5	<1	<3	<1	<5
	6/26/2015	<1	<5	<1	<3	<1	<5
	3/10/2015	<1	<5	<1	<3	<1	<5
	12/23/2014	<1	<5	<1	<3	<1	<5
	9/8/2014	<1	<5	<1	<3	<1	<5
	6/26/2014	<1	<5	<1	<3	<1	<5
	3/14/2014	<1	<5	<1	<3	<1	<5
	12/20/2013	<1	<5	<1	<3	<1	<5
	9/25/2013	<1	<5	<1	<3	<1	<5
	6/27/2013	<1	<5	<1	<3	<1	<5
	3/18/2013	<1	<5	<1	<3	<1	<5
	12/20/2012	<1	<5	<1	<3	<1	<5
	9/28/2012	<0.5	<5	<0.5	<1.5	<1	NS
MW-21 (offsite)	9/22/2016	<1	<5	<1	<3	<1	<5
	6/22/2016	<1	<5	<1	<3	<1	<5
	3/21/2016	<1	<5	<1	<3	<1	<5
	12/16/2015	<1	<5	<1	<3	<1	<5
	9/16/2015	<1	<5	<1	<3	<1	<5
	6/26/2015	<1	<5	<1	<3	<1	<5
	3/10/2015	<1	<5	<1	<3	<1	<5
	12/23/2014	<1	<5	<1	<3	<1	<5
	9/8/2014	<1	<5	<1	<3	<1	<5
	6/26/2014	<1	<5	<1	<3	<1	<5
	3/14/2014	<1	<5	<1	<3	<1	<5
	12/20/2013	<1	<5	<1	<3	<1	<5
	9/25/2013	<1	<5	<1	<3	<1	<5
	6/27/2013	<1	<5	<1	<3	<1	<5
	3/18/2013	<1	<5	<1	<3	<1	<5
	12/20/2012	<1	<5	<1	<3	<1	<5
	9/28/2012	<0.5	<5	<0.5	<1.5	<1	NS

Historical Groundwater Analyses Results
Mac's 2392 (former Jr. Food Mart)
Concentrations in parts per billion, ppb

Location	Date	Benzene	Toluene	Ethyl-benzene	Xylenes	MTBE	Naphthalene
FD (MW-16R)	9/22/2016	**5,760**	**16,300**	*4,280*	*16,900*	<10	616
	6/22/2016	**10,600**	**24,000**	*3,910*	*17,100*	<100	*639*
	3/21/2016	**7,960**	*19,600*	3,610	*15,100*	<50	*449*
	12/16/2015	**9,860**	**26,100**	*3,420*	*17,800*	<25	*692*
	9/16/2015	**6,580**	**18,600**	*3,840*	*16,200*	*<250*	*<1,250*
	6/26/2015	**8,240**	**22,500**	*3,350*	*14,500*	*<250*	*<1,200*
FD (MW-19)	3/10/2015	<1	<5	<1	<3	<1	<5
	12/23/2014	**270**	<25	<5	270	<5	*<25*
	9/8/2014	**690**	280	5.6	1500	<5	*76*
	6/26/2014	**830**	410	110	770	<5	*32*
	3/14/2014	**630**	400	180	1100	<5	*31*
	12/20/2013	**3,400**	190	160	1100	<10	*<50*
FD (MW-16R)	9/25/2013	**13,000**	**42,000**	*4500*	**21000**	*<500*	**<2500**
FD (MW-19)	6/27/2013	**290**	58	9	490	<1	*17*
	3/18/2013	**44**	27	1	110	<1	*9.2*
	12/20/2012	**15,000**	**21,000**	*1,600*	8,300	*100*	*<500*
	9/28/2012	**3,000**	*8,100*	650	4,000	*<50*	NS
	6/21/2012	**9,700**	*2,800*	680	2,100	*89*	
FD (MW-17)	3/12/2012	**7,600**	*3,700*	*1,800*	5,400	**870**	
FD (MW-19)	8/9/2007	**18,400**	**52,300**	*6,080*	**31,200**	**<1000**	
FD (MW-16)	11/27/2008	**18,900**	**25,700**	*4,410*	*18,800*	*<400*	
	3/12/2008	**10,800**	**23,300**	*3,970*	*19,200*	*<400*	
	6/18/2008	**18,500**	**30,800**	*8,300*	**41,400**	*<40*	
FD (MW-19)	6/18/2008	**14,900**	**53,500**	*3,830*	*18,700*	*<40*	
	12/30/2008	**7,950**	**52,200**	*6,290*	**33,200**	***<2000***	
FD (MW-16)	5/15/2009	**16,400**	**21,900**	*3,340*	*12,400*	<40	
CDCL		**52**	**8,200**	**10,000**	**20,000**	**720**	**2000**
RDCL		*5*	*1,000*	*700*	*10,000*	*40*	8.3

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