

APPENDIX R-4

Groundwater Analytical Data Sheets

October 2016 Groundwater Sampling Activities

October 31, 2016

Mr. Marty Gilgallon
PA Tectonics
723 Main Street
Archbald, PA 18403

Certificate of Analysis

Project Name:	Routine Sample Submission	Workorder:	2183912
Purchase Order:		Workorder ID:	Pump-N-Pantry #001/25112

Dear Mr. Gilgallon:

Enclosed are the analytical results for samples received by the laboratory on Friday, October 21, 2016.

The ALS Environmental laboratory in Middletown, Pennsylvania is a National Environmental Laboratory Accreditation Program (NELAP) accredited laboratory and as such, certifies that all applicable test results meet the requirements of NELAP.

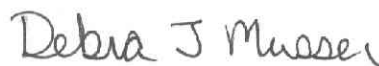
If you have any questions regarding this certificate of analysis, please contact Ms. Debra J. Musser (Project Coordinator) at (717) 944-5541.

Analyses were performed according to our laboratory's NELAP-approved quality assurance program and any applicable state requirements. The test results meet requirements of the current NELAP standards or state requirements, where applicable. For a specific list of accredited analytes, refer to the certifications section of the ALS website at www.alsglobal.com/en/Our-Services/Life-Sciences/Environmental/Downloads.

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ALS Spring City: 10 Riverside Drive, Spring City, PA 19475 610-948-4903

This page is included as part of the Analytical Report and must be retained as a permanent record thereof.

Ms. Debra J. Musser
Project Coordinator

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**SAMPLE SUMMARY**

Workorder: 2183912 Pump-N-Pantry #001/25112

Lab ID	Sample ID	Matrix	Date Collected	Date Received	Collected By
2183912001	112-1019-MW1	Water	10/19/2016 15:45	10/21/2016 08:58	Collected by Client
2183912002	112-1019-MW2	Water	10/19/2016 15:27	10/21/2016 08:58	Collected by Client
2183912003	112-1019-MW3	Water	10/19/2016 14:40	10/21/2016 08:58	Collected by Client
2183912004	112-1019-MW4	Water	10/19/2016 13:51	10/21/2016 08:58	Collected by Client
2183912005	112-1019-MW5	Water	10/19/2016 13:13	10/21/2016 08:58	Collected by Client
2183912006	112-1019-MW6	Water	10/19/2016 12:36	10/21/2016 08:58	Collected by Client
2183912007	112-1019-FB1	Water	10/19/2016 15:32	10/21/2016 08:58	Collected by Client

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SAMPLE SUMMARY

Workorder: 2183912 Pump-N-Pantry #001/25112

Notes

- Samples collected by ALS personnel are done so in accordance with the procedures set forth in the ALS Field Sampling Plan (20 - Field Services Sampling Plan).
- All Waste Water analyses comply with methodology requirements of 40 CFR Part 136.
- All Drinking Water analyses comply with methodology requirements of 40 CFR Part 141.
- Unless otherwise noted, all quantitative results for soils are reported on a dry weight basis.
- The Chain of Custody document is included as part of this report.
- All Library Search analytes should be regarded as tentative identifications based on the presumptive evidence of the mass spectra. Concentrations reported are estimated values.
- Parameters identified as "analyze immediately" require analysis within 15 minutes of collection. Any "analyze immediately" parameters not listed under the header "Field Parameters" are performed in the laboratory and are therefore analyzed out of hold time.
- Method references listed on this report beginning with the prefix "S" followed by a method number (such as S2310B-97) refer to methods from "Standard Methods for the Examination of Water and Wastewater".
- For microbiological analyses, the "Prepared" value is the date/time into the incubator and the "Analyzed" value is the date/time out the incubator.

Standard Acronyms/Flags

J	Indicates an estimated value between the Method Detection Limit (MDL) and the Practical Quantitation Limit (PQL) for the analyte
U	Indicates that the analyte was Not Detected (ND)
N	Indicates presumptive evidence of the presence of a compound
MDL	Method Detection Limit
PQL	Practical Quantitation Limit
RDL	Reporting Detection Limit
ND	Not Detected - indicates that the analyte was Not Detected at the RDL
Cntr	Analysis was performed using this container
RegLmt	Regulatory Limit
LCS	Laboratory Control Sample
MS	Matrix Spike
MSD	Matrix Spike Duplicate
DUP	Sample Duplicate
%Rec	Percent Recovery
RPD	Relative Percent Difference
LOD	DoD Limit of Detection
LOQ	DoD Limit of Quantitation
DL	DoD Detection Limit
I	Indicates reported value is greater than or equal to the Method Detection Limit (MDL) but less than the Report Detection Limit (RDL)
(S)	Surrogate Compound
NC	Not Calculated
*	Result outside of QC limits

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ANALYTICAL RESULTS

Workorder: 2183912 Pump-N-Pantry #001/25112

Lab ID: **2183912001**
Sample ID: **112-1019-MW1**

Date Collected: 10/19/2016 15:45 Matrix: Water
Date Received: 10/21/2016 08:58

Parameters	Results	Flag	Units	RDL	Method	Prepared	By	Analyzed	By	Cntr
VOLATILE ORGANICS										
Benzene	ND		ug/L	1.0	SW846 8260B			10/28/16 08:15	SYB	A
Ethylbenzene	ND		ug/L	1.0	SW846 8260B			10/28/16 08:15	SYB	A
Isopropylbenzene	ND		ug/L	1.0	SW846 8260B			10/28/16 08:15	SYB	A
Methyl t-Butyl Ether	ND		ug/L	1.0	SW846 8260B			10/28/16 08:15	SYB	A
Naphthalene	ND		ug/L	2.0	SW846 8260B			10/28/16 08:15	SYB	A
Toluene	ND		ug/L	1.0	SW846 8260B			10/28/16 08:15	SYB	A
Total Xylenes	ND		ug/L	3.0	SW846 8260B			10/28/16 08:15	SYB	A
1,2,4-Trimethylbenzene	ND		ug/L	1.0	SW846 8260B			10/28/16 08:15	SYB	A
1,3,5-Trimethylbenzene	ND		ug/L	1.0	SW846 8260B			10/28/16 08:15	SYB	A
<i>Surrogate Recoveries</i>	<i>Results</i>	<i>Flag</i>	<i>Units</i>	<i>Limits</i>	<i>Method</i>	<i>Prepared</i>	<i>By</i>	<i>Analyzed</i>	<i>By</i>	<i>Cntr</i>
1,2-Dichloroethane-d4 (S)	108		%	62 - 133	SW846 8260B			10/28/16 08:15	SYB	A
4-Bromofluorobenzene (S)	93.5		%	79 - 114	SW846 8260B			10/28/16 08:15	SYB	A
Dibromofluoromethane (S)	80.7		%	78 - 116	SW846 8260B			10/28/16 08:15	SYB	A
Toluene-d8 (S)	90.2		%	76 - 127	SW846 8260B			10/28/16 08:15	SYB	A

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ANALYTICAL RESULTS

Workorder: 2183912 Pump-N-Pantry #001/25112

Lab ID: 2183912002
Sample ID: 112-1019-MW2

Date Collected: 10/19/2016 15:27 Matrix: Water
Date Received: 10/21/2016 08:58

Parameters	Results	Flag	Units	RDL	Method	Prepared	By	Analyzed	By	Cntr
VOLATILE ORGANICS										
Benzene	273		ug/L	5.0	SW846 8260B			10/29/16 06:58	SYB	B
Ethylbenzene	140		ug/L	1.0	SW846 8260B			10/28/16 08:37	SYB	A
Isopropylbenzene	9.5		ug/L	1.0	SW846 8260B			10/28/16 08:37	SYB	A
Methyl t-Butyl Ether	3.5		ug/L	1.0	SW846 8260B			10/28/16 08:37	SYB	A
Naphthalene	40.5		ug/L	2.0	SW846 8260B			10/28/16 08:37	SYB	A
Toluene	9.4		ug/L	1.0	SW846 8260B			10/28/16 08:37	SYB	A
Total Xylenes	140		ug/L	3.0	SW846 8260B			10/28/16 08:37	SYB	A
1,2,4-Trimethylbenzene	171		ug/L	1.0	SW846 8260B			10/28/16 08:37	SYB	A
1,3,5-Trimethylbenzene	ND		ug/L	1.0	SW846 8260B			10/28/16 08:37	SYB	A
<i>Surrogate Recoveries</i>	<i>Results</i>	<i>Flag</i>	<i>Units</i>	<i>Limits</i>	<i>Method</i>	<i>Prepared</i>	<i>By</i>	<i>Analyzed</i>	<i>By</i>	<i>Cntr</i>
1,2-Dichloroethane-d4 (S)	130		%	62 - 133	SW846 8260B			10/29/16 06:58	SYB	B
1,2-Dichloroethane-d4 (S)	105		%	62 - 133	SW846 8260B			10/28/16 08:37	SYB	A
4-Bromofluorobenzene (S)	111		%	79 - 114	SW846 8260B			10/29/16 06:58	SYB	B
4-Bromofluorobenzene (S)	94.4		%	79 - 114	SW846 8260B			10/28/16 08:37	SYB	A
Dibromofluoromethane (S)	96.4		%	78 - 116	SW846 8260B			10/29/16 06:58	SYB	B
Dibromofluoromethane (S)	78.8		%	78 - 116	SW846 8260B			10/28/16 08:37	SYB	A
Toluene-d8 (S)	89.5		%	76 - 127	SW846 8260B			10/28/16 08:37	SYB	A
Toluene-d8 (S)	110		%	76 - 127	SW846 8260B			10/29/16 06:58	SYB	B

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ANALYTICAL RESULTS

Workorder: 2183912 Pump-N-Pantry #001/25112

Lab ID: **2183912003**
Sample ID: **112-1019-MW3**

Date Collected: 10/19/2016 14:40 Matrix: Water
Date Received: 10/21/2016 08:58

Parameters	Results	Flag	Units	RDL	Method	Prepared	By	Analyzed	By	Cntr
VOLATILE ORGANICS										
Benzene	180		ug/L	1.0	SW846 8260B			10/28/16 08:59	SYB	A
Ethylbenzene	295		ug/L	5.0	SW846 8260B			10/29/16 07:20	SYB	B
Isopropylbenzene	30.6		ug/L	1.0	SW846 8260B			10/28/16 08:59	SYB	A
Methyl t-Butyl Ether	7.7		ug/L	1.0	SW846 8260B			10/28/16 08:59	SYB	A
Naphthalene	29.1		ug/L	2.0	SW846 8260B			10/28/16 08:59	SYB	A
Toluene	4.1		ug/L	1.0	SW846 8260B			10/28/16 08:59	SYB	A
Total Xylenes	3.6		ug/L	3.0	SW846 8260B			10/28/16 08:59	SYB	A
1,2,4-Trimethylbenzene	7.9		ug/L	1.0	SW846 8260B			10/28/16 08:59	SYB	A
1,3,5-Trimethylbenzene	ND		ug/L	1.0	SW846 8260B			10/28/16 08:59	SYB	A
<i>Surrogate Recoveries</i>	<i>Results</i>	<i>Flag</i>	<i>Units</i>	<i>Limits</i>	<i>Method</i>	<i>Prepared</i>	<i>By</i>	<i>Analyzed</i>	<i>By</i>	<i>Cntr</i>
1,2-Dichloroethane-d4 (S)	103		%	62 - 133	SW846 8260B			10/28/16 08:59	SYB	A
1,2-Dichloroethane-d4 (S)	129		%	62 - 133	SW846 8260B			10/29/16 07:20	SYB	B
4-Bromofluorobenzene (S)	93.9		%	79 - 114	SW846 8260B			10/28/16 08:59	SYB	A
4-Bromofluorobenzene (S)	112		%	79 - 114	SW846 8260B			10/29/16 07:20	SYB	B
Dibromofluoromethane (S)	77.6	1	%	78 - 116	SW846 8260B			10/28/16 08:59	SYB	A
Dibromofluoromethane (S)	96.9		%	78 - 116	SW846 8260B			10/29/16 07:20	SYB	B
Toluene-d8 (S)	90.7		%	76 - 127	SW846 8260B			10/28/16 08:59	SYB	A
Toluene-d8 (S)	108		%	76 - 127	SW846 8260B			10/29/16 07:20	SYB	B



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ANALYTICAL RESULTS

Workorder: 2183912 Pump-N-Pantry #001/25112

Lab ID: 2183912004
Sample ID: 112-1019-MW4

Date Collected: 10/19/2016 13:51 Matrix: Water
Date Received: 10/21/2016 08:58

Parameters	Results	Flag	Units	RDL	Method	Prepared	By	Analyzed	By	Cntr
VOLATILE ORGANICS										
Benzene	214		ug/L	5.0	SW846 8260B			10/29/16 07:42	SYB	B
Ethylbenzene	176		ug/L	1.0	SW846 8260B			10/28/16 09:21	SYB	A
Isopropylbenzene	25.1		ug/L	1.0	SW846 8260B			10/28/16 09:21	SYB	A
Methyl t-Butyl Ether	4.9		ug/L	1.0	SW846 8260B			10/28/16 09:21	SYB	A
Naphthalene	14.3		ug/L	2.0	SW846 8260B			10/28/16 09:21	SYB	A
Toluene	17.5		ug/L	1.0	SW846 8260B			10/28/16 09:21	SYB	A
Total Xylenes	50.6		ug/L	3.0	SW846 8260B			10/28/16 09:21	SYB	A
1,2,4-Trimethylbenzene	25.8		ug/L	1.0	SW846 8260B			10/28/16 09:21	SYB	A
1,3,5-Trimethylbenzene	ND		ug/L	1.0	SW846 8260B			10/28/16 09:21	SYB	A
<i>Surrogate Recoveries</i>	<i>Results</i>	<i>Flag</i>	<i>Units</i>	<i>Limits</i>	<i>Method</i>	<i>Prepared</i>	<i>By</i>	<i>Analyzed</i>	<i>By</i>	<i>Cntr</i>
1,2-Dichloroethane-d4 (S)	128		%	62 - 133	SW846 8260B			10/29/16 07:42	SYB	B
1,2-Dichloroethane-d4 (S)	99.9		%	62 - 133	SW846 8260B			10/28/16 09:21	SYB	A
4-Bromofluorobenzene (S)	93.3		%	79 - 114	SW846 8260B			10/28/16 09:21	SYB	A
4-Bromofluorobenzene (S)	110		%	79 - 114	SW846 8260B			10/29/16 07:42	SYB	B
Dibromofluoromethane (S)	94.7		%	78 - 116	SW846 8260B			10/29/16 07:42	SYB	B
Dibromofluoromethane (S)	78.4		%	78 - 116	SW846 8260B			10/28/16 09:21	SYB	A
Toluene-d8 (S)	90.8		%	76 - 127	SW846 8260B			10/28/16 09:21	SYB	A
Toluene-d8 (S)	108		%	76 - 127	SW846 8260B			10/29/16 07:42	SYB	B

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**ANALYTICAL RESULTS**

Workorder: 2183912 Pump-N-Pantry #001/25112

Lab ID: **2183912005**
Sample ID: **112-1019-MW5**Date Collected: 10/19/2016 13:13 Matrix: Water
Date Received: 10/21/2016 08:58

Parameters	Results	Flag	Units	RDL	Method	Prepared	By	Analyzed	By	Cntr
VOLATILE ORGANICS										
Benzene	173		ug/L	1.0	SW846 8260B			10/28/16 09:42	SYB	A
Ethylbenzene	104		ug/L	1.0	SW846 8260B			10/28/16 09:42	SYB	A
Isopropylbenzene	9.6		ug/L	1.0	SW846 8260B			10/28/16 09:42	SYB	A
Methyl t-Butyl Ether	26.4		ug/L	1.0	SW846 8260B			10/28/16 09:42	SYB	A
Naphthalene	70.3		ug/L	2.0	SW846 8260B			10/28/16 09:42	SYB	A
Toluene	7.7		ug/L	1.0	SW846 8260B			10/28/16 09:42	SYB	A
Total Xylenes	57.2		ug/L	3.0	SW846 8260B			10/28/16 09:42	SYB	A
1,2,4-Trimethylbenzene	132		ug/L	1.0	SW846 8260B			10/28/16 09:42	SYB	A
1,3,5-Trimethylbenzene	20.8		ug/L	1.0	SW846 8260B			10/28/16 09:42	SYB	A
<i>Surrogate Recoveries</i>	<i>Results</i>	<i>Flag</i>	<i>Units</i>	<i>Limits</i>	<i>Method</i>	<i>Prepared</i>	<i>By</i>	<i>Analyzed</i>	<i>By</i>	<i>Cntr</i>
1,2-Dichloroethane-d4 (S)	101		%	62 - 133	SW846 8260B			10/28/16 09:42	SYB	A
4-Bromofluorobenzene (S)	94.5		%	79 - 114	SW846 8260B			10/28/16 09:42	SYB	A
Dibromofluoromethane (S)	78		%	78 - 116	SW846 8260B			10/28/16 09:42	SYB	A
Toluene-d8 (S)	92.6		%	76 - 127	SW846 8260B			10/28/16 09:42	SYB	A

*Debra J Musser*Ms. Debra J. Musser
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ANALYTICAL RESULTS

Workorder: 2183912 Pump-N-Pantry #001/25112

Lab ID: **2183912006**
Sample ID: **112-1019-MW6**

Date Collected: 10/19/2016 12:36 Matrix: Water
Date Received: 10/21/2016 08:58

Parameters	Results	Flag	Units	RDL	Method	Prepared	By	Analyzed	By	Cntr
VOLATILE ORGANICS										
Benzene	ND		ug/L	1.0	SW846 8260B			10/29/16 06:36	SYB	A
Ethylbenzene	ND		ug/L	1.0	SW846 8260B			10/29/16 06:36	SYB	A
Isopropylbenzene	ND		ug/L	1.0	SW846 8260B			10/29/16 06:36	SYB	A
Methyl t-Butyl Ether	ND		ug/L	1.0	SW846 8260B			10/29/16 06:36	SYB	A
Naphthalene	ND		ug/L	2.0	SW846 8260B			10/29/16 06:36	SYB	A
Toluene	ND		ug/L	1.0	SW846 8260B			10/29/16 06:36	SYB	A
Total Xylenes	ND		ug/L	3.0	SW846 8260B			10/29/16 06:36	SYB	A
1,2,4-Trimethylbenzene	ND		ug/L	1.0	SW846 8260B			10/29/16 06:36	SYB	A
1,3,5-Trimethylbenzene	ND		ug/L	1.0	SW846 8260B			10/29/16 06:36	SYB	A
<i>Surrogate Recoveries</i>	<i>Results</i>	<i>Flag</i>	<i>Units</i>	<i>Limits</i>	<i>Method</i>	<i>Prepared</i>	<i>By</i>	<i>Analyzed</i>	<i>By</i>	<i>Cntr</i>
1,2-Dichloroethane-d4 (S)	131		%	62 - 133	SW846 8260B			10/29/16 06:36	SYB	A
4-Bromofluorobenzene (S)	114		%	79 - 114	SW846 8260B			10/29/16 06:36	SYB	A
Dibromofluoromethane (S)	97.4		%	78 - 116	SW846 8260B			10/29/16 06:36	SYB	A
Toluene-d8 (S)	110		%	76 - 127	SW846 8260B			10/29/16 06:36	SYB	A

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ANALYTICAL RESULTS

Workorder: 2183912 Pump-N-Pantry #001/25112

Lab ID: **2183912007**
Sample ID: **112-1019-FB1**

Date Collected: 10/19/2016 15:32 Matrix: Water
Date Received: 10/21/2016 08:58

Parameters	Results	Flag	Units	RDL	Method	Prepared	By	Analyzed	By	Cntr
VOLATILE ORGANICS										
Benzene	ND		ug/L	1.0	SW846 8260B			10/28/16 07:09	SYB	A
Ethylbenzene	ND		ug/L	1.0	SW846 8260B			10/28/16 07:09	SYB	A
Isopropylbenzene	ND		ug/L	1.0	SW846 8260B			10/28/16 07:09	SYB	A
Methyl t-Butyl Ether	ND		ug/L	1.0	SW846 8260B			10/28/16 07:09	SYB	A
Naphthalene	ND		ug/L	2.0	SW846 8260B			10/28/16 07:09	SYB	A
Toluene	ND		ug/L	1.0	SW846 8260B			10/28/16 07:09	SYB	A
Total Xylenes	ND		ug/L	3.0	SW846 8260B			10/28/16 07:09	SYB	A
1,2,4-Trimethylbenzene	ND		ug/L	1.0	SW846 8260B			10/28/16 07:09	SYB	A
1,3,5-Trimethylbenzene	ND		ug/L	1.0	SW846 8260B			10/28/16 07:09	SYB	A
<i>Surrogate Recoveries</i>	<i>Results</i>	<i>Flag</i>	<i>Units</i>	<i>Limits</i>	<i>Method</i>	<i>Prepared</i>	<i>By</i>	<i>Analyzed</i>	<i>By</i>	<i>Cntr</i>
1,2-Dichloroethane-d4 (S)	107		%	62 - 133	SW846 8260B			10/28/16 07:09	SYB	A
4-Bromofluorobenzene (S)	93.3		%	79 - 114	SW846 8260B			10/28/16 07:09	SYB	A
Dibromofluoromethane (S)	83.8		%	78 - 116	SW846 8260B			10/28/16 07:09	SYB	A
Toluene-d8 (S)	91.9		%	76 - 127	SW846 8260B			10/28/16 07:09	SYB	A



Ms. Debra J. Musser
Project Coordinator

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34 Dogwood Lane ■ Middletown, PA 17057 ■ Phone: 717-944-5541 ■ Fax: 717-944-1430 ■ www.alsglobal.com

NELAP Certifications: NJ PA010, NY 11759, PA 22-293 DoD ELAP: A2LA 0818.01

State Certifications: DE ID 11, MA PA0102, MD 128, VA 460157, WV 343

PARAMETER QUALIFIERS

Lab ID	#	Sample ID	Analytical Method	Analyte
2183912003	1	112-1019-MW3	SW846 8260B	Dibromofluoromethane

The surrogate Dibromofluoromethane for method SW846 8260B was outside of control limits. The % Recovery was reported as 77.6 and the control limits were 78 to 116. This result was reported at a dilution of 1.

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34 Dogwood Lane
Middletown, PA 17057
P. 717-944-5541
F. 717-944-1430

Environmental

Co. Name: PENNSYLVANIA TETONICS, INC.
Contact (Report to): MARIAN GILGALLON
Address: 723 MAIN STREET
DEWBARD PA 18603

Phone: 570-487-1959

Bill to (if different from Report to):

PO#:

Project Name#: Pump-n-Purity #001 / 25112 ALS Quote #:

TAT: ☒ Normal Standard TAT is 10-12 business days.
☐ Rush-Subject to ALS approval and surcharges.

Email? ☒ Y ☐ N
Fax? ☐ Y ☐ N

Y No:

Sample Description/Location (as it will appear on the lab record)	COC Comments	Sample Date	Military Time
1 112-1019-MW1		10.19.16	1545
2 112-1019-MW2		10.19.16	1527
3 112-1019-MW3		10.19.16	1440
4 112-1019-MW4		10.19.16	1351
5 112-1019-MW5		10.19.16	1313
6 112-1019-MW6		10.19.16	1236
7 112-1019-FB1		10.19.16	1532
8			

Project Comments:

SAMPLED BY (Please Print):

KEVIN GIGURA

Relinquished By / Company Name

Date

Time

Received By / Company Name

Date

Time

2 Fed Ex #8103 9819 2368

4 10/20/16 0700

6 10/20/16 0855

8

9

10

CHAIN OF CUSTODY/

REQUEST FOR ANALYSIS

ALL SHADED AREAS MUST BE COMPLETED BY THE CLIENT/
SAMPLER. INSTRUCTIONS ON THE BACK.

Page 1 of 1
Counter: FED EX
Tracking #: #8103 9819
2368



* 2 1 8 3 9 1 2 *

Container Type: CG
Container Size: 46ml
Preservative: HCl

ANALYSES/METHOD REQUESTED

Enter Number of Containers Per Analysis

Matrix: Unknown Cont. Design: Re 1

Correct container? Y N
Correct sample volume? Y N
Correct preservation? Y N
Headspace/Volatiles? Y N
COC labels complete/accurate? Y N
Received on ice? Y N
(If present) Seals intact? Y N
Custody seals Present? Y N
Container in good condition? Y N

SDWA Form? yes no
CLP-like yes no
NJ-Reduced yes no
NJ-Full yes no
Data Deliverables: Standard, CLP-like, NJ-Reduced, NJ-Full
EDs: 1, 2, 3, 4, 5, 6, 7, 8, 9, 10
DOO Criteria Required?

ALS FIELD SERVICES
Pickup, Labor, Composite Sampling, Rental Equipment, Other

* G-Grab; C-Composite ** Matrix: A-Mix; DW=Drinking Water; GW=Groundwater; OL=Oil; Other Liquid; SL=Sediment; SO=Soil; WP=Wipe; WW=Wastewater
*** Container Type: AG-Amber Glass; CG-Clear Glass; PL-Plastic. Container Size: 250ml, 500ml, 1L, 5gal, etc. Preservative: HCl, HNO3, NaOH, etc.



October 28, 2016

Mr. Marty Gilgallon
PA Tectonics
723 Main Street
Archbald, PA 18403

Certificate of Analysis

Project Name:	Routine Sample Submission	Workorder:	2183913
Purchase Order:		Workorder ID:	Pump-N-Pantry #001/25112

Dear Mr. Gilgallon:

Enclosed are the analytical results for samples received by the laboratory on Friday, October 21, 2016.

The ALS Environmental laboratory in Middletown, Pennsylvania is a National Environmental Laboratory Accreditation Program (NELAP) accredited laboratory and as such, certifies that all applicable test results meet the requirements of NELAP.

If you have any questions regarding this certificate of analysis, please contact Ms. Debra J. Musser (Project Coordinator) at (717) 944-5541.

Analyses were performed according to our laboratory's NELAP-approved quality assurance program and any applicable state requirements. The test results meet requirements of the current NELAP standards or state requirements, where applicable. For a specific list of accredited analytes, refer to the certifications section of the ALS website at www.alsglobal.com/en/Our-Services/Life-Sciences/Environmental/Downloads.

This laboratory report may not be reproduced, except in full, without the written approval of ALS Environmental.

ALS Spring City: 10 Riverside Drive, Spring City, PA 19475 610-948-4903

This page is included as part of the Analytical Report and must be retained as a permanent record thereof.

Ms. Debra J. Musser
Project Coordinator

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**SAMPLE SUMMARY**

Workorder: 2183913 Pump-N-Pantry #001/25112

Lab ID	Sample ID	Matrix	Date Collected	Date Received	Collected By
2183913001	112-1019-OW1	Water	10/19/2016 09:55	10/21/2016 08:58	Collected by Client
2183913002	112-1019-OW2	Water	10/19/2016 10:15	10/21/2016 08:58	Collected by Client

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SAMPLE SUMMARY

Workorder: 2183913 Pump-N-Pantry #001/25112

Notes

- Samples collected by ALS personnel are done so in accordance with the procedures set forth in the ALS Field Sampling Plan (20 - Field Services Sampling Plan).
- All Waste Water analyses comply with methodology requirements of 40 CFR Part 136.
- All Drinking Water analyses comply with methodology requirements of 40 CFR Part 141.
- Unless otherwise noted, all quantitative results for soils are reported on a dry weight basis.
- The Chain of Custody document is included as part of this report.
- All Library Search analytes should be regarded as tentative identifications based on the presumptive evidence of the mass spectra. Concentrations reported are estimated values.
- Parameters identified as "analyze immediately" require analysis within 15 minutes of collection. Any "analyze immediately" parameters not listed under the header "Field Parameters" are performed in the laboratory and are therefore analyzed out of hold time.
- Method references listed on this report beginning with the prefix "S" followed by a method number (such as S2310B-97) refer to methods from "Standard Methods for the Examination of Water and Wastewater".
- For microbiological analyses, the "Prepared" value is the date/time into the incubator and the "Analyzed" value is the date/time out the incubator.

Standard Acronyms/Flags

J	Indicates an estimated value between the Method Detection Limit (MDL) and the Practical Quantitation Limit (PQL) for the analyte
U	Indicates that the analyte was Not Detected (ND)
N	Indicates presumptive evidence of the presence of a compound
MDL	Method Detection Limit
PQL	Practical Quantitation Limit
RDL	Reporting Detection Limit
ND	Not Detected - indicates that the analyte was Not Detected at the RDL
Cntr	Analysis was performed using this container
RegLmt	Regulatory Limit
LCS	Laboratory Control Sample
MS	Matrix Spike
MSD	Matrix Spike Duplicate
DUP	Sample Duplicate
%Rec	Percent Recovery
RPD	Relative Percent Difference
LOD	DoD Limit of Detection
LOQ	DoD Limit of Quantitation
DL	DoD Detection Limit
I	Indicates reported value is greater than or equal to the Method Detection Limit (MDL) but less than the Report Detection Limit (RDL)
(S)	Surrogate Compound
NC	Not Calculated
*	Result outside of QC limits

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ANALYTICAL RESULTS

Workorder: 2183913 Pump-N-Pantry #001/25112

Lab ID: **2183913001**
Sample ID: **112-1019-OW1**

Date Collected: 10/19/2016 09:55 Matrix: Water
Date Received: 10/21/2016 08:58

Parameters	Results	Flag	Units	RDL	Method	Prepared	By	Analyzed	By	Cntr
VOLATILE ORGANICS										
Benzene	ND		ug/L	1.0	SW846 8260B			10/28/16 07:31	SYB	A
Ethylbenzene	ND		ug/L	1.0	SW846 8260B			10/28/16 07:31	SYB	A
Isopropylbenzene	ND		ug/L	1.0	SW846 8260B			10/28/16 07:31	SYB	A
Methyl t-Butyl Ether	ND		ug/L	1.0	SW846 8260B			10/28/16 07:31	SYB	A
Naphthalene	ND		ug/L	2.0	SW846 8260B			10/28/16 07:31	SYB	A
Toluene	ND		ug/L	1.0	SW846 8260B			10/28/16 07:31	SYB	A
Total Xylenes	ND		ug/L	3.0	SW846 8260B			10/28/16 07:31	SYB	A
1,2,4-Trimethylbenzene	ND		ug/L	1.0	SW846 8260B			10/28/16 07:31	SYB	A
1,3,5-Trimethylbenzene	ND		ug/L	1.0	SW846 8260B			10/28/16 07:31	SYB	A
<i>Surrogate Recoveries</i>	<i>Results</i>	<i>Flag</i>	<i>Units</i>	<i>Limits</i>	<i>Method</i>	<i>Prepared</i>	<i>By</i>	<i>Analyzed</i>	<i>By</i>	<i>Cntr</i>
1,2-Dichloroethane-d4 (S)	107		%	62 - 133	SW846 8260B			10/28/16 07:31	SYB	A
4-Bromofluorobenzene (S)	93.6		%	79 - 114	SW846 8260B			10/28/16 07:31	SYB	A
Dibromofluoromethane (S)	80.7		%	78 - 116	SW846 8260B			10/28/16 07:31	SYB	A
Toluene-d8 (S)	91		%	76 - 127	SW846 8260B			10/28/16 07:31	SYB	A

Debra J Musser

Ms. Debra J. Musser
Project Coordinator

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ANALYTICAL RESULTS

Workorder: 2183913 Pump-N-Pantry #001/25112

Lab ID: **2183913002**
Sample ID: **112-1019-OW2**

Date Collected: 10/19/2016 10:15 Matrix: Water
Date Received: 10/21/2016 08:58

Parameters	Results	Flag	Units	RDL	Method	Prepared	By	Analyzed	By	Cntr
VOLATILE ORGANICS										
Benzene	ND		ug/L	1.0	SW846 8260B			10/28/16 07:53	SYB	A
Ethylbenzene	ND		ug/L	1.0	SW846 8260B			10/28/16 07:53	SYB	A
Isopropylbenzene	ND	1,2	ug/L	1.0	SW846 8260B			10/28/16 07:53	SYB	A
Methyl t-Butyl Ether	ND		ug/L	1.0	SW846 8260B			10/28/16 07:53	SYB	A
Naphthalene	ND	7,8	ug/L	2.0	SW846 8260B			10/28/16 07:53	SYB	A
Toluene	ND		ug/L	1.0	SW846 8260B			10/28/16 07:53	SYB	A
Total Xylenes	ND		ug/L	3.0	SW846 8260B			10/28/16 07:53	SYB	A
1,2,4-Trimethylbenzene	ND	5,6	ug/L	1.0	SW846 8260B			10/28/16 07:53	SYB	A
1,3,5-Trimethylbenzene	ND	3,4	ug/L	1.0	SW846 8260B			10/28/16 07:53	SYB	A
<i>Surrogate Recoveries</i>	<i>Results</i>	<i>Flag</i>	<i>Units</i>	<i>Limits</i>	<i>Method</i>	<i>Prepared</i>	<i>By</i>	<i>Analyzed</i>	<i>By</i>	<i>Cntr</i>
1,2-Dichloroethane-d4 (S)	107		%	62 - 133	SW846 8260B			10/28/16 07:53	SYB	A
4-Bromofluorobenzene (S)	94.5		%	79 - 114	SW846 8260B			10/28/16 07:53	SYB	A
Dibromofluoromethane (S)	79.4		%	78 - 116	SW846 8260B			10/28/16 07:53	SYB	A
Toluene-d8 (S)	90.2		%	76 - 127	SW846 8260B			10/28/16 07:53	SYB	A



Ms. Debra J. Musser
Project Coordinator

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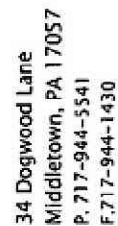


PARAMETER QUALIFIERS

Lab ID	#	Sample ID	Analytical Method	Analyte
2183913002	1	112-1019-OW2	SW846 8260B	Isopropylbenzene
The QC sample type MS for method SW846 8260B was outside the control limits for the analyte Isopropylbenzene. The % Recovery was reported as 138 and the control limits were 73 to 129.				
2183913002	2	112-1019-OW2	SW846 8260B	Isopropylbenzene
The QC sample type MSD for method SW846 8260B was outside the control limits for the analyte Isopropylbenzene. The % Recovery was reported as 155 and the control limits were 73 to 129.				
2183913002	3	112-1019-OW2	SW846 8260B	1,3,5-Trimethylbenzene
The QC sample type MS for method SW846 8260B was outside the control limits for the analyte 1,3,5-Trimethylbenzene. The % Recovery was reported as 134 and the control limits were 76 to 125.				
2183913002	4	112-1019-OW2	SW846 8260B	1,3,5-Trimethylbenzene
The QC sample type MSD for method SW846 8260B was outside the control limits for the analyte 1,3,5-Trimethylbenzene. The % Recovery was reported as 151 and the control limits were 76 to 125.				
2183913002	5	112-1019-OW2	SW846 8260B	1,2,4-Trimethylbenzene
The QC sample type MS for method SW846 8260B was outside the control limits for the analyte 1,2,4-Trimethylbenzene. The % Recovery was reported as 128 and the control limits were 76 to 125.				
2183913002	6	112-1019-OW2	SW846 8260B	1,2,4-Trimethylbenzene
The QC sample type MSD for method SW846 8260B was outside the control limits for the analyte 1,2,4-Trimethylbenzene. The % Recovery was reported as 141 and the control limits were 76 to 125.				
2183913002	7	112-1019-OW2	SW846 8260B	Naphthalene
The QC sample type MS for method SW846 8260B was outside the control limits for the analyte Naphthalene. The % Recovery was reported as .31 and the control limits were 56 to 134.				
2183913002	8	112-1019-OW2	SW846 8260B	Naphthalene
The QC sample type MSD for method SW846 8260B was outside the control limits for the analyte Naphthalene. The % Recovery was reported as .41 and the control limits were 56 to 134.				

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Environmental

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REQUEST FOR ANALYSIS

ALL SHADED AREAS MUST BE COMPLETED BY THE CLIENT /
SAMPLER. INSTRUCTIONS ON THE BACK.

Page 1 of 1
 Courier: FED EX
 Tracking #: 9103 9819
2368



* 2 7 8 3 9 1 3 *

Co. Name: PENNSYLVANIA TECTONICS, INC.
Contact (Report to): MARTIN CUGALLON
Address: 723 MAIN STREET
ACHTHARD PA 18603
Phone: 370-487-1939

Bill to (different than Remond to):

PO#:

Project Name/ID: Rums-W-Party / 25112ALS Quote #:

☒ Normal-Standard TAT is 10-12 business days.	Date Required:
☐ Rush-Subject to ALS approval and surcharges.	Approved By:

Email?	X	Y	Ms:1gall@ce.pptcnetoxics.com
--------	---	---	------------------------------

Fax? _____
Tel. No.: _____

Sample Description/Location (as it will appear on the lab report)	COC Comments	Sample Date Time	Military Time
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1	112-1019-0201	10.14.16	0955
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2 112-1019-062	10.19.16	10.15
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[illegible]

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8

Project Comments:

SAMPLED BY (Please Print)

Kevin Cucora

Relinquished By / Company Name

10.2.16	0700	PA TRENDS	10.2.16	0700
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3

[illegible]

— 222 —

[illegible][illegible]

* G=Grab: C=Compagato

Copies: WHITE - ORIGINAL CANARY - CUSTOMER COPY

***Matrix: A=Air; DW=Drinking Water; GW=Groundwater; O=Oil; CL=Other Liquid; SO=Soil; WP=Wipe; WW=Wastewater

***Container Type: AG-Amber Glass; CG-Clear Glass, PL-Plastic. Container Size: 250ml, 500ml, 1L, 8oz., etc. Preservative: HCl, HNO₃, NaOH, etc.

Rev 01-2013

ALS

Friday, October 28, 2016 6:07:48 PM

Page 7 of 7

APPENDIX R-5

Groundwater Analytical Data Sheets

November 2016 Groundwater Sampling Activities

December 8, 2016

Mr. Marty Gilgallon
PA Tectonics
723 Main Street
Archbald, PA 18403

Certificate of Analysis

Project Name:	22043 Pump N Pantry Great Bend	Workorder:	2193226
Purchase Order:		Workorder ID:	25112/Pump-N-Pantry

Dear Mr. Gilgallon:

Enclosed are the analytical results for samples received by the laboratory on Monday, December 5, 2016.

The ALS Environmental laboratory in Middletown, Pennsylvania is a National Environmental Laboratory Accreditation Program (NELAP) accredited laboratory and as such, certifies that all applicable test results meet the requirements of NELAP.

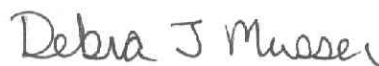
If you have any questions regarding this certificate of analysis, please contact Ms. Debra J. Musser (Project Coordinator) at (717) 944-5541.

Analyses were performed according to our laboratory's NELAP-approved quality assurance program and any applicable state requirements. The test results meet requirements of the current NELAP standards or state requirements, where applicable. For a specific list of accredited analytes, refer to the certifications section of the ALS website at www.alsglobal.com/en/Our-Services/Life-Sciences/Environmental/Downloads.

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This page is included as part of the Analytical Report and must be retained as a permanent record thereof.

Ms. Debra J. Musser
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**SAMPLE SUMMARY**

Workorder: 2193226 25112/Pump-N-Pantry

Lab ID	Sample ID	Matrix	Date Collected	Date Received	Collected By
2193226001	112-1130-MW1	Ground Water	11/30/2016 13:22	12/5/2016 11:25	Collected by Client
2193226002	112-1130-MW2	Ground Water	11/30/2016 12:56	12/5/2016 11:25	Collected by Client
2193226003	112-1130-MW3	Ground Water	11/30/2016 12:22	12/5/2016 11:25	Collected by Client
2193226004	112-1130-MW4	Ground Water	11/30/2016 11:09	12/5/2016 11:25	Collected by Client
2193226005	112-1130-MW5	Ground Water	11/30/2016 11:46	12/5/2016 11:25	Collected by Client
2193226006	112-1130-MW6	Ground Water	11/30/2016 10:32	12/5/2016 11:25	Collected by Client
2193226007	112-1130-FB1	Ground Water	11/30/2016 12:30	12/5/2016 11:25	Collected by Client

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**SAMPLE SUMMARY**

Workorder: 2193226 25112/Pump-N-Pantry

Notes

- Samples collected by ALS personnel are done so in accordance with the procedures set forth in the ALS Field Sampling Plan (20 - Field Services Sampling Plan).
- All Waste Water analyses comply with methodology requirements of 40 CFR Part 136.
- All Drinking Water analyses comply with methodology requirements of 40 CFR Part 141.
- Unless otherwise noted, all quantitative results for soils are reported on a dry weight basis.
- The Chain of Custody document is included as part of this report.
- All Library Search analytes should be regarded as tentative identifications based on the presumptive evidence of the mass spectra. Concentrations reported are estimated values.
- Parameters identified as "analyze immediately" require analysis within 15 minutes of collection. Any "analyze immediately" parameters not listed under the header "Field Parameters" are performed in the laboratory and are therefore analyzed out of hold time.
- Method references listed on this report beginning with the prefix "S" followed by a method number (such as S2310B-97) refer to methods from "Standard Methods for the Examination of Water and Wastewater".
- For microbiological analyses, the "Prepared" value is the date/time into the incubator and the "Analyzed" value is the date/time out the incubator.

Standard Acronyms/Flags

J	Indicates an estimated value between the Method Detection Limit (MDL) and the Practical Quantitation Limit (PQL) for the analyte
U	Indicates that the analyte was Not Detected (ND)
N	Indicates presumptive evidence of the presence of a compound
MDL	Method Detection Limit
PQL	Practical Quantitation Limit
RDL	Reporting Detection Limit
ND	Not Detected - indicates that the analyte was Not Detected at the RDL
Cntr	Analysis was performed using this container
RegLmt	Regulatory Limit
LCS	Laboratory Control Sample
MS	Matrix Spike
MSD	Matrix Spike Duplicate
DUP	Sample Duplicate
%Rec	Percent Recovery
RPD	Relative Percent Difference
LOD	DoD Limit of Detection
LOQ	DoD Limit of Quantitation
DL	DoD Detection Limit
I	Indicates reported value is greater than or equal to the Method Detection Limit (MDL) but less than the Report Detection Limit (RDL)
(S)	Surrogate Compound
NC	Not Calculated
*	Result outside of QC limits

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PROJECT SUMMARY

Workorder: 2193226 25112/Pump-N-Pantry

Sample Comments

Lab ID: 2193226002 **Sample ID:** 112-1130-MW2 **Sample Type:** SAMPLE

The GCMS volatiles analysis was performed at a dilution due to the level of target compounds.

Lab ID: 2193226003 **Sample ID:** 112-1130-MW3 **Sample Type:** SAMPLE

The GCMS volatiles analysis was performed at a dilution due to the level of target compounds.

Lab ID: 2193226004 **Sample ID:** 112-1130-MW4 **Sample Type:** SAMPLE

The GCMS volatiles analysis was performed at a dilution due to the level of target compounds.

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ANALYTICAL RESULTS

Workorder: 2193226 25112/Pump-N-Pantry

Lab ID: 2193226001
Sample ID: 112-1130-MW1

Date Collected: 11/30/2016 13:22 Matrix: Ground Water
Date Received: 12/5/2016 11:25

Parameters	Results	Flag	Units	RDL	Method	Prepared	By	Analyzed	By	Cntr
VOLATILE ORGANICS										
Benzene	ND		ug/L	1.0	SW846 8260B			12/7/16 08:33	SYB	A
Ethylbenzene	ND		ug/L	1.0	SW846 8260B			12/7/16 08:33	SYB	A
Isopropylbenzene	ND		ug/L	1.0	SW846 8260B			12/7/16 08:33	SYB	A
Methyl t-Butyl Ether	ND		ug/L	1.0	SW846 8260B			12/7/16 08:33	SYB	A
Naphthalene	ND		ug/L	2.0	SW846 8260B			12/7/16 08:33	SYB	A
Toluene	ND		ug/L	1.0	SW846 8260B			12/7/16 08:33	SYB	A
Total Xylenes	ND		ug/L	3.0	SW846 8260B			12/7/16 08:33	SYB	A
1,2,4-Trimethylbenzene	ND		ug/L	1.0	SW846 8260B			12/7/16 08:33	SYB	A
1,3,5-Trimethylbenzene	ND		ug/L	1.0	SW846 8260B			12/7/16 08:33	SYB	A
<i>Surrogate Recoveries</i>	<i>Results</i>	<i>Flag</i>	<i>Units</i>	<i>Limits</i>	<i>Method</i>	<i>Prepared</i>	<i>By</i>	<i>Analyzed</i>	<i>By</i>	<i>Cntr</i>
1,2-Dichloroethane-d4 (S)	108		%	62 - 133	SW846 8260B			12/7/16 08:33	SYB	A
4-Bromofluorobenzene (S)	116	1	%	79 - 114	SW846 8260B			12/7/16 08:33	SYB	A
Dibromofluoromethane (S)	83.1		%	78 - 116	SW846 8260B			12/7/16 08:33	SYB	A
Toluene-d8 (S)	103		%	76 - 127	SW846 8260B			12/7/16 08:33	SYB	A

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Project Coordinator

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ANALYTICAL RESULTS

Workorder: 2193226 25112/Pump-N-Pantry

Lab ID: 2193226002
Sample ID: 112-1130-MW2

Date Collected: 11/30/2016 12:56 Matrix: Ground Water
Date Received: 12/5/2016 11:25

Parameters	Results	Flag	Units	RDL	Method	Prepared	By	Analyzed	By	Cntr
VOLATILE ORGANICS										
Benzene	835		ug/L	5.0	SW846 8260B			12/8/16 02:28	SYB	B
Ethylbenzene	494		ug/L	5.0	SW846 8260B			12/8/16 02:28	SYB	B
Isopropylbenzene	14.4		ug/L	5.0	SW846 8260B			12/8/16 02:28	SYB	B
Methyl t-Butyl Ether	7.4		ug/L	5.0	SW846 8260B			12/8/16 02:28	SYB	B
Naphthalene	39.8		ug/L	10.0	SW846 8260B			12/8/16 02:28	SYB	B
Toluene	10.8		ug/L	5.0	SW846 8260B			12/8/16 02:28	SYB	B
Total Xylenes	310		ug/L	15.0	SW846 8260B			12/8/16 02:28	SYB	B
1,2,4-Trimethylbenzene	227		ug/L	5.0	SW846 8260B			12/8/16 02:28	SYB	B
1,3,5-Trimethylbenzene	ND		ug/L	5.0	SW846 8260B			12/8/16 02:28	SYB	B
<i>Surrogate Recoveries</i>	<i>Results</i>	<i>Flag</i>	<i>Units</i>	<i>Limits</i>	<i>Method</i>	<i>Prepared</i>	<i>By</i>	<i>Analyzed</i>	<i>By</i>	<i>Cntr</i>
1,2-Dichloroethane-d4 (S)	104		%	62 - 133	SW846 8260B			12/8/16 02:28	SYB	B
4-Bromofluorobenzene (S)	99.4		%	79 - 114	SW846 8260B			12/8/16 02:28	SYB	B
Dibromofluoromethane (S)	90		%	78 - 116	SW846 8260B			12/8/16 02:28	SYB	B
Toluene-d8 (S)	103		%	76 - 127	SW846 8260B			12/8/16 02:28	SYB	B

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ANALYTICAL RESULTS

Workorder: 2193226 25112/Pump-N-Pantry

Lab ID: 2193226003
Sample ID: 112-1130-MW3

Date Collected: 11/30/2016 12:22 Matrix: Ground Water
Date Received: 12/5/2016 11:25

Parameters	Results	Flag	Units	RDL	Method	Prepared	By	Analyzed	By	Cntr
VOLATILE ORGANICS										
Benzene	110		ug/L	5.0	SW846 8260B			12/7/16 20:55	TMP	A
Ethylbenzene	296		ug/L	5.0	SW846 8260B			12/7/16 20:55	TMP	A
Isopropylbenzene	18.4		ug/L	5.0	SW846 8260B			12/7/16 20:55	TMP	A
Methyl t-Butyl Ether	10.5		ug/L	5.0	SW846 8260B			12/7/16 20:55	TMP	A
Naphthalene	20.3		ug/L	10.0	SW846 8260B			12/7/16 20:55	TMP	A
Toluene	ND		ug/L	5.0	SW846 8260B			12/7/16 20:55	TMP	A
Total Xylenes	ND		ug/L	15.0	SW846 8260B			12/7/16 20:55	TMP	A
1,2,4-Trimethylbenzene	7.9		ug/L	5.0	SW846 8260B			12/7/16 20:55	TMP	A
1,3,5-Trimethylbenzene	ND		ug/L	5.0	SW846 8260B			12/7/16 20:55	TMP	A
<i>Surrogate Recoveries</i>	<i>Results</i>	<i>Flag</i>	<i>Units</i>	<i>Limits</i>	<i>Method</i>	<i>Prepared</i>	<i>By</i>	<i>Analyzed</i>	<i>By</i>	<i>Cntr</i>
1,2-Dichloroethane-d4 (S)	95		%	62 - 133	SW846 8260B			12/7/16 20:55	TMP	A
4-Bromofluorobenzene (S)	113		%	79 - 114	SW846 8260B			12/7/16 20:55	TMP	A
Dibromofluoromethane (S)	86.7		%	78 - 116	SW846 8260B			12/7/16 20:55	TMP	A
Toluene-d8 (S)	106		%	76 - 127	SW846 8260B			12/7/16 20:55	TMP	A

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ANALYTICAL RESULTS

Workorder: 2193226 25112/Pump-N-Pantry

Lab ID: **2193226004**
Sample ID: **112-1130-MW4**

Date Collected: 11/30/2016 11:09 Matrix: Ground Water
Date Received: 12/5/2016 11:25

Parameters	Results	Flag	Units	RDL	Method	Prepared	By	Analyzed	By	Cntr
VOLATILE ORGANICS										
Benzene	282		ug/L	5.0	SW846 8260B			12/7/16 21:12	TMP	A
Ethylbenzene	179		ug/L	5.0	SW846 8260B			12/7/16 21:12	TMP	A
Isopropylbenzene	20.4		ug/L	5.0	SW846 8260B			12/7/16 21:12	TMP	A
Methyl t-Butyl Ether	ND		ug/L	5.0	SW846 8260B			12/7/16 21:12	TMP	A
Naphthalene	10.6		ug/L	10.0	SW846 8260B			12/7/16 21:12	TMP	A
Toluene	23.2		ug/L	5.0	SW846 8260B			12/7/16 21:12	TMP	A
Total Xylenes	58.0		ug/L	15.0	SW846 8260B			12/7/16 21:12	TMP	A
1,2,4-Trimethylbenzene	20.6		ug/L	5.0	SW846 8260B			12/7/16 21:12	TMP	A
1,3,5-Trimethylbenzene	ND		ug/L	5.0	SW846 8260B			12/7/16 21:12	TMP	A
<i>Surrogate Recoveries</i>	<i>Results</i>	<i>Flag</i>	<i>Units</i>	<i>Limits</i>	<i>Method</i>	<i>Prepared</i>	<i>By</i>	<i>Analyzed</i>	<i>By</i>	<i>Cntr</i>
1,2-Dichloroethane-d4 (S)	96.3		%	62 - 133	SW846 8260B			12/7/16 21:12	TMP	A
4-Bromofluorobenzene (S)	113		%	79 - 114	SW846 8260B			12/7/16 21:12	TMP	A
Dibromofluoromethane (S)	87.5		%	78 - 116	SW846 8260B			12/7/16 21:12	TMP	A
Toluene-d8 (S)	109		%	76 - 127	SW846 8260B			12/7/16 21:12	TMP	A

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ANALYTICAL RESULTS

Workorder: 2193226 25112/Pump-N-Pantry

Lab ID: **2193226005**
Sample ID: **112-1130-MW5**

Date Collected: 11/30/2016 11:46 Matrix: Ground Water
Date Received: 12/5/2016 11:25

Parameters	Results	Flag	Units	RDL	Method	Prepared	By	Analyzed	By	Cntr
VOLATILE ORGANICS										
Benzene	219		ug/L	5.0	SW846 8260B			12/8/16 02:45	SYB	B
Ethylbenzene	288		ug/L	5.0	SW846 8260B			12/8/16 02:45	SYB	B
Isopropylbenzene	28.7		ug/L	1.0	SW846 8260B			12/7/16 08:55	SYB	A
Methyl t-Butyl Ether	24.1		ug/L	1.0	SW846 8260B			12/7/16 08:55	SYB	A
Naphthalene	135		ug/L	2.0	SW846 8260B			12/7/16 08:55	SYB	A
Toluene	9.4		ug/L	1.0	SW846 8260B			12/7/16 08:55	SYB	A
Total Xylenes	56.6		ug/L	3.0	SW846 8260B			12/7/16 08:55	SYB	A
1,2,4-Trimethylbenzene	161		ug/L	1.0	SW846 8260B			12/7/16 08:55	SYB	A
1,3,5-Trimethylbenzene	ND		ug/L	1.0	SW846 8260B			12/7/16 08:55	SYB	A
<i>Surrogate Recoveries</i>	<i>Results</i>	<i>Flag</i>	<i>Units</i>	<i>Limits</i>	<i>Method</i>	<i>Prepared</i>	<i>By</i>	<i>Analyzed</i>	<i>By</i>	<i>Cntr</i>
1,2-Dichloroethane-d4 (S)	98.4		%	62 - 133	SW846 8260B			12/8/16 02:45	SYB	B
1,2-Dichloroethane-d4 (S)	103		%	62 - 133	SW846 8260B			12/7/16 08:55	SYB	A
4-Bromofluorobenzene (S)	100		%	79 - 114	SW846 8260B			12/8/16 02:45	SYB	B
4-Bromofluorobenzene (S)	112		%	79 - 114	SW846 8260B			12/7/16 08:55	SYB	A
Dibromofluoromethane (S)	79.4		%	78 - 116	SW846 8260B			12/7/16 08:55	SYB	A
Dibromofluoromethane (S)	86.3		%	78 - 116	SW846 8260B			12/8/16 02:45	SYB	B
Toluene-d8 (S)	98.8		%	76 - 127	SW846 8260B			12/7/16 08:55	SYB	A
Toluene-d8 (S)	105		%	76 - 127	SW846 8260B			12/8/16 02:45	SYB	B

Debra J Musser

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ANALYTICAL RESULTS

Workorder: 2193226 25112/Pump-N-Pantry

Lab ID: **2193226006**
Sample ID: **112-1130-MW6**

Date Collected: 11/30/2016 10:32 Matrix: Ground Water
Date Received: 12/5/2016 11:25

Parameters	Results	Flag	Units	RDL	Method	Prepared	By	Analyzed	By	Cntr
VOLATILE ORGANICS										
Benzene	ND		ug/L	1.0	SW846 8260B			12/8/16 05:00	SYB	B
Ethylbenzene	ND		ug/L	1.0	SW846 8260B			12/8/16 05:00	SYB	B
Isopropylbenzene	ND		ug/L	1.0	SW846 8260B			12/8/16 05:00	SYB	B
Methyl t-Butyl Ether	ND		ug/L	1.0	SW846 8260B			12/8/16 05:00	SYB	B
Naphthalene	ND		ug/L	2.0	SW846 8260B			12/8/16 05:00	SYB	B
Toluene	ND		ug/L	1.0	SW846 8260B			12/8/16 05:00	SYB	B
Total Xylenes	ND		ug/L	3.0	SW846 8260B			12/8/16 05:00	SYB	B
1,2,4-Trimethylbenzene	ND		ug/L	1.0	SW846 8260B			12/8/16 05:00	SYB	B
1,3,5-Trimethylbenzene	ND		ug/L	1.0	SW846 8260B			12/8/16 05:00	SYB	B
<i>Surrogate Recoveries</i>	<i>Results</i>	<i>Flag</i>	<i>Units</i>	<i>Limits</i>	<i>Method</i>	<i>Prepared</i>	<i>By</i>	<i>Analyzed</i>	<i>By</i>	<i>Cntr</i>
1,2-Dichloroethane-d4 (S)	108		%	62 - 133	SW846 8260B			12/8/16 05:00	SYB	B
4-Bromofluorobenzene (S)	97.4		%	79 - 114	SW846 8260B			12/8/16 05:00	SYB	B
Dibromofluoromethane (S)	96.5		%	78 - 116	SW846 8260B			12/8/16 05:00	SYB	B
Toluene-d8 (S)	107		%	76 - 127	SW846 8260B			12/8/16 05:00	SYB	B



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ANALYTICAL RESULTS

Workorder: 2193226 25112/Pump-N-Pantry

Lab ID: **2193226007**
Sample ID: **112-1130-FB1**

Date Collected: 11/30/2016 12:30 Matrix: Ground Water
Date Received: 12/5/2016 11:25

Parameters	Results	Flag	Units	RDL	Method	Prepared	By	Analyzed	By	Cntr
VOLATILE ORGANICS										
Benzene	ND		ug/L	1.0	SW846 8260B			12/8/16 04:27	SYB	B
Ethylbenzene	ND		ug/L	1.0	SW846 8260B			12/8/16 04:27	SYB	B
Isopropylbenzene	ND		ug/L	1.0	SW846 8260B			12/8/16 04:27	SYB	B
Methyl t-Butyl Ether	ND		ug/L	1.0	SW846 8260B			12/8/16 04:27	SYB	B
Naphthalene	ND		ug/L	2.0	SW846 8260B			12/8/16 04:27	SYB	B
Toluene	ND		ug/L	1.0	SW846 8260B			12/8/16 04:27	SYB	B
Total Xylenes	ND		ug/L	3.0	SW846 8260B			12/8/16 04:27	SYB	B
1,2,4-Trimethylbenzene	ND		ug/L	1.0	SW846 8260B			12/8/16 04:27	SYB	B
1,3,5-Trimethylbenzene	ND		ug/L	1.0	SW846 8260B			12/8/16 04:27	SYB	B
<i>Surrogate Recoveries</i>	<i>Results</i>	<i>Flag</i>	<i>Units</i>	<i>Limits</i>	<i>Method</i>	<i>Prepared</i>	<i>By</i>	<i>Analyzed</i>	<i>By</i>	<i>Cntr</i>
1,2-Dichloroethane-d4 (S)	104		%	62 - 133	SW846 8260B			12/8/16 04:27	SYB	B
4-Bromofluorobenzene (S)	112		%	79 - 114	SW846 8260B			12/8/16 04:27	SYB	B
Dibromofluoromethane (S)	92.4		%	78 - 116	SW846 8260B			12/8/16 04:27	SYB	B
Toluene-d8 (S)	100		%	76 - 127	SW846 8260B			12/8/16 04:27	SYB	B

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34 Dogwood Lane ■ Middletown, PA 17057 ■ Phone: 717-944-5541 ■ Fax: 717-944-1430 ■ www.alsglobal.com

NELAP Certifications: NJ PA010, NY 11759, PA 22-293 DoD ELAP: A2LA 0818.01

State Certifications: DE ID 11, MA PA0102, MD 128, VA 460157, WV 343

PARAMETER QUALIFIERS

Lab ID	#	Sample ID	Analytical Method	Analyte
2193226001	1	112-1130-MW1	SW846 8260B	4-Bromofluorobenzene

The surrogate 4-Bromofluorobenzene for method SW846 8260B was outside of control limits. The % Recovery was reported as 116 and the control limits were 79 to 114. This result was reported at a dilution of 1.

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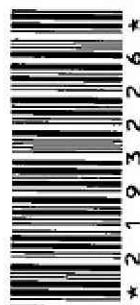


34 Dogwood Lane
Middletown, PA 17057
P. 717-944-5541
F. 717-944-1430

CHAIN OF CUSTODY/ REQUEST FOR ANALYSIS

ALL SHADED AREAS MUST BE COMPLETED BY THE CLIENT /
SAMPLER. INSTRUCTIONS ON THE BACK.

Page 1 of 1
Counter: _____
Tracking #: _____



Co. Name: **PENNSYLVANIA TECTONICS INC**
Contact (Report to): **MARTIN GILGALLON** Phone: **570-487-1959**
Address: **723 MAIN STREET**
ARCHBALD PA 18403

Container Type: **CG**
Container Size: **40ml**
Preservative: **HCL**

ANALYSES/METHOD REQUESTED

Bill to (if different than Report to):

PO#:

Project Name/ID: **2.5112/PUMP-N-PANTRY #001** ALS Quote #: _____

TAT: ☒ Normal-Standard TAT is 10-12 business days.
☐ Rush-Subject to ALS approval and surcharges.

Email? ☒ Y ☐ N Fax? ☐ Y ☐ N
Project Contact: **MLGILGALLON@PATECTIONICS.COM**

Sample Description/Location (as it will appear on the lab report)	COC Comments	Sample Date	Military Time
1 112-1130-MW1		11/30/16	1322
2 112-1130-MW2		11/30/16	1256
3 112-1130-MW3		11/30/16	1222
4 112-1130-MW4		11/30/16	1109
5 112-1130-MW5		11/30/16	1146
6 112-1130-MW6		11/30/16	1032
7 112-1130-FBI		11/30/16	1230
8			

Enter Number of Containers Per Analysis

Matrix

UNLEADED GAS,
DIESEL FUEL + KEROSENE

CG

40ml

HCL

19

Therm. ID: 74-378

No. of Coolers:

Notes:

Correct container?	Y	N
Correct sample volume?	Y	N
Correct preservation?	Y	N
Headspace/Volatiles?	Y	N
COC/Labels complete/accurate?	Y	N
Received on ice?	Y	N
(If present) Seals intact?	Y	N
Custody seals present?	Y	N
Container in good condition?	Y	N

SAMPLED BY (Please Print): **Kevin Coxura**

Relinquished By / Company Name: **PA TECTONICS** **Date:** **11/30/16** **Time:** **1600**

Received By / Company Name: **PA TECTONICS** **Date:** **11/30/16** **Time:** **1600**

Project Comments: **12/5/16 1125**

ALS FIELD SERVICES:

☐ Pickup ☐ Labor ☐ Composite Sampling ☐ Rental Equipment ☐ Other

SDWA Form? ☐ yes ☐ no ☐ yes ☐ no ☐ yes ☐ no ☐ yes ☐ no

Standard ☒ **CLP-like** ☐ **NJ-Reduced** ☐ **NJ-Full** ☐ **Other** ☐

State Samples Collected In? ☐ MD ☐ NJ ☐ NY ☒ PA

DOB Criteria Required? ☐ **Required?** ☐ **if yes, format type:** ☐

DOB Criteria Required? ☐



December 7, 2016

Mr. Marty Gilgallon
PA Tectonics
723 Main Street
Archbald, PA 18403

Certificate of Analysis

Project Name:	22043 Pump N Pantry Great Bend	Workorder:	2193228
Purchase Order:		Workorder ID:	25112/Pump-N-Pantry #001

Dear Mr. Gilgallon:

Enclosed are the analytical results for samples received by the laboratory on Monday, December 5, 2016.

The ALS Environmental laboratory in Middletown, Pennsylvania is a National Environmental Laboratory Accreditation Program (NELAP) accredited laboratory and as such, certifies that all applicable test results meet the requirements of NELAP.

If you have any questions regarding this certificate of analysis, please contact Ms. Debra J. Musser (Project Coordinator) at (717) 944-5541.

Analyses were performed according to our laboratory's NELAP-approved quality assurance program and any applicable state requirements. The test results meet requirements of the current NELAP standards or state requirements, where applicable. For a specific list of accredited analytes, refer to the certifications section of the ALS website at www.alsglobal.com/en/Our-Services/Life-Sciences/Environmental/Downloads.

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ALS Spring City: 10 Riverside Drive, Spring City, PA 19475 610-948-4903

This page is included as part of the Analytical Report and must be retained as a permanent record thereof.

Ms. Debra J. Musser
Project Coordinator

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**SAMPLE SUMMARY**

Workorder: 2193228 25112/Pump-N-Pantry #001

Lab ID	Sample ID	Matrix	Date Collected	Date Received	Collected By
2193228001	112-1130-OW1	Ground Water	11/30/2016 09:29	12/5/2016 11:25	Collected by Client
2193228002	112-1130-OW2	Ground Water	11/30/2016 09:45	12/5/2016 11:25	Collected by Client

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SAMPLE SUMMARY

Workorder: 2193228 25112/Pump-N-Pantry #001

Notes

- Samples collected by ALS personnel are done so in accordance with the procedures set forth in the ALS Field Sampling Plan (20 - Field Services Sampling Plan).
- All Waste Water analyses comply with methodology requirements of 40 CFR Part 136.
- All Drinking Water analyses comply with methodology requirements of 40 CFR Part 141.
- Unless otherwise noted, all quantitative results for soils are reported on a dry weight basis.
- The Chain of Custody document is included as part of this report.
- All Library Search analytes should be regarded as tentative identifications based on the presumptive evidence of the mass spectra. Concentrations reported are estimated values.
- Parameters identified as "analyze immediately" require analysis within 15 minutes of collection. Any "analyze immediately" parameters not listed under the header "Field Parameters" are performed in the laboratory and are therefore analyzed out of hold time.
- Method references listed on this report beginning with the prefix "S" followed by a method number (such as S2310B-97) refer to methods from "Standard Methods for the Examination of Water and Wastewater".
- For microbiological analyses, the "Prepared" value is the date/time into the incubator and the "Analyzed" value is the date/time out the incubator.

Standard Acronyms/Flags

J	Indicates an estimated value between the Method Detection Limit (MDL) and the Practical Quantitation Limit (PQL) for the analyte
U	Indicates that the analyte was Not Detected (ND)
N	Indicates presumptive evidence of the presence of a compound
MDL	Method Detection Limit
PQL	Practical Quantitation Limit
RDL	Reporting Detection Limit
ND	Not Detected - indicates that the analyte was Not Detected at the RDL
Cntr	Analysis was performed using this container
RegLmt	Regulatory Limit
LCS	Laboratory Control Sample
MS	Matrix Spike
MSD	Matrix Spike Duplicate
DUP	Sample Duplicate
%Rec	Percent Recovery
RPD	Relative Percent Difference
LOD	DoD Limit of Detection
LOQ	DoD Limit of Quantitation
DL	DoD Detection Limit
I	Indicates reported value is greater than or equal to the Method Detection Limit (MDL) but less than the Report Detection Limit (RDL)
(S)	Surrogate Compound
NC	Not Calculated
*	Result outside of QC limits

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ANALYTICAL RESULTS

Workorder: 2193228 25112/Pump-N-Pantry #001

Lab ID: 2193228001
Sample ID: 112-1130-OW1

Date Collected: 11/30/2016 09:29 Matrix: Ground Water
Date Received: 12/5/2016 11:25

Parameters	Results	Flag	Units	RDL	Method	Prepared	By	Analyzed	By	Cntr
VOLATILE ORGANICS										
Benzene	ND		ug/L	1.0	SW846 8260B			12/7/16 05:36	SYB	A
Ethylbenzene	ND		ug/L	1.0	SW846 8260B			12/7/16 05:36	SYB	A
Isopropylbenzene	ND		ug/L	1.0	SW846 8260B			12/7/16 05:36	SYB	A
Methyl t-Butyl Ether	ND		ug/L	1.0	SW846 8260B			12/7/16 05:36	SYB	A
Naphthalene	ND		ug/L	2.0	SW846 8260B			12/7/16 05:36	SYB	A
Toluene	ND		ug/L	1.0	SW846 8260B			12/7/16 05:36	SYB	A
Total Xylenes	ND		ug/L	3.0	SW846 8260B			12/7/16 05:36	SYB	A
1,2,4-Trimethylbenzene	ND		ug/L	1.0	SW846 8260B			12/7/16 05:36	SYB	A
1,3,5-Trimethylbenzene	ND		ug/L	1.0	SW846 8260B			12/7/16 05:36	SYB	A
<i>Surrogate Recoveries</i>	<i>Results</i>	<i>Flag</i>	<i>Units</i>	<i>Limits</i>	<i>Method</i>	<i>Prepared</i>	<i>By</i>	<i>Analyzed</i>	<i>By</i>	<i>Cntr</i>
1,2-Dichloroethane-d4 (S)	107		%	62 - 133	SW846 8260B			12/7/16 05:36	SYB	A
4-Bromofluorobenzene (S)	118	1	%	79 - 114	SW846 8260B			12/7/16 05:36	SYB	A
Dibromofluoromethane (S)	85.1		%	78 - 116	SW846 8260B			12/7/16 05:36	SYB	A
Toluene-d8 (S)	103		%	76 - 127	SW846 8260B			12/7/16 05:36	SYB	A

Ms. Debra J. Musser
Project Coordinator

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ANALYTICAL RESULTS

Workorder: 2193228 25112/Pump-N-Pantry #001

Lab ID: 2193228002
Sample ID: 112-1130-OW2

Date Collected: 11/30/2016 09:45 Matrix: Ground Water
Date Received: 12/5/2016 11:25

Parameters	Results	Flag	Units	RDL	Method	Prepared	By	Analyzed	By	Cntr
VOLATILE ORGANICS										
Benzene	ND		ug/L	1.0	SW846 8260B			12/7/16 05:58	SYB	A
Ethylbenzene	ND		ug/L	1.0	SW846 8260B			12/7/16 05:58	SYB	A
Isopropylbenzene	ND		ug/L	1.0	SW846 8260B			12/7/16 05:58	SYB	A
Methyl t-Butyl Ether	ND		ug/L	1.0	SW846 8260B			12/7/16 05:58	SYB	A
Naphthalene	ND		ug/L	2.0	SW846 8260B			12/7/16 05:58	SYB	A
Toluene	ND		ug/L	1.0	SW846 8260B			12/7/16 05:58	SYB	A
Total Xylenes	ND		ug/L	3.0	SW846 8260B			12/7/16 05:58	SYB	A
1,2,4-Trimethylbenzene	ND		ug/L	1.0	SW846 8260B			12/7/16 05:58	SYB	A
1,3,5-Trimethylbenzene	ND		ug/L	1.0	SW846 8260B			12/7/16 05:58	SYB	A
<i>Surrogate Recoveries</i>	<i>Results</i>	<i>Flag</i>	<i>Units</i>	<i>Limits</i>	<i>Method</i>	<i>Prepared</i>	<i>By</i>	<i>Analyzed</i>	<i>By</i>	<i>Cntr</i>
1,2-Dichloroethane-d4 (S)	106		%	62 - 133	SW846 8260B			12/7/16 05:58	SYB	A
4-Bromofluorobenzene (S)	116	1	%	79 - 114	SW846 8260B			12/7/16 05:58	SYB	A
Dibromofluoromethane (S)	85.2		%	78 - 116	SW846 8260B			12/7/16 05:58	SYB	A
Toluene-d8 (S)	101		%	76 - 127	SW846 8260B			12/7/16 05:58	SYB	A

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**PARAMETER QUALIFIERS**

Lab ID	#	Sample ID	Analytical Method	Analyte
2193228001	1	112-1130-OW1	SW846 8260B	4-Bromofluorobenzene
The surrogate 4-Bromofluorobenzene for method SW846 8260B was outside of control limits. The % Recovery was reported as 118 and the control limits were 79 to 114. This result was reported at a dilution of 1.				
2193228002	1	112-1130-OW2	SW846 8260B	4-Bromofluorobenzene
The surrogate 4-Bromofluorobenzene for method SW846 8260B was outside of control limits. The % Recovery was reported as 116 and the control limits were 79 to 114. This result was reported at a dilution of 1.				

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34 Dogwood Lane
Middletown, PA 17057
P. 717-944-5541
F. 717-944-1430

Environmental

CHAIN OF CUSTODY/

REQUEST FOR ANALYSIS

ALL SHADED AREAS MUST BE COMPLETED BY THE CLIENT/
SAMPLER. INSTRUCTIONS ON THE BACK.

Co. Name: **PENNSYLVANIA TECTONICS INC**

Contact (Report to): **MARTIN GILGALLON**

Phone: **570-487-1959**

Address: **723 MAIN STREET**

ARCH BALD PA 18403.

Bill to (if different than Report to):

PO#:

Project Name#: **25112/Pump-N-Pantry #001** ALS Quote #:

TAT: ☒ Normal-Standard TAT is 10-12 business days.

Date Required:

☐ Rush-Subject to ALS approval and surcharges.

Approved By:

Email: ☒ Y ☐ N

Fax: ☐ Y ☐ N

mgilgallon@patectonics.com

Sample	Description/Location (as it will appear on the lab report)	COC Comments	Sample Date	Military Time
1	112-1130-OW1		11-30-16	0929
2	112-1130-OW2		11-30-16	0945
3				
4				
5				
6				
7				
8				

SAMPLED BY (Please Print):

Kevin Gaura

Relinquished By / Company Name	Date	Time	Relinquished By / Company Name	Date	Time
Kevin Gaura / PA TECTONICS	11-30-16	1600	Kevin Gaura / PA TECTONICS	11-30-16	1600
Kevin Gaura / PA TECTONICS	12-5-16	1125	Kevin Gaura / PA TECTONICS	12-5-16	1125

* G=Grab; C=Composite

**Matrix: A=Air; B=Drinking Water; GW=Groundwater; O=Oil; OL=Other Liquid; SL=Sludge; SW=Soil; WP=Wipe; WW=Wastewater

Copies: WHITE - ORIGINAL CANARY - CUSTOMER COPY

***Container Type: AG=Amber Glass; CG=Clear Glass, PL=Plastic. Container Size: 250ml, 500ml, 1L, 5oz., etc. Preservative: HCl, HNO3, NaOH, etc.

Rev 01-2013

Page 1 of 1

Courier:

Tracking #:



* 2 1 9 3 2 2 8 *

Container Type: CG		Container Size: 40mL		Preservative: HCl	
ANALYSES/METHOD REQUESTED					
Enter Number of Containers Per Analysis					
UNLEADED GAS					
DIESEL FUEL + KEROSENE					
Matrix					
Correct sample volume? ☒ Y ☐ N					
Correct container? ☒ Y ☐ N					
Custody seals present? ☒ Y ☐ N					
(if present) Seals intact? ☒ Y ☐ N					
Received on site? ☒ Y ☐ N					
COCLabels complete/accurate? ☒ Y ☐ N					
Container in good condition? ☒ Y ☐ N					
Headspace/Volatility? ☒ Y ☐ N					
Circle appropriate Y or N.					
No. of Coolers:					
Therm. ID: TH-38					
Cooler Temp: 1°C					
Notes:					
ALS FIELD SERVICES					
☐ Pickup ☐ Labor ☐ Composite Sampling ☐ Rental Equipment ☐ Other:					
SOWA Form? ☐ Yes ☐ No Data Deliverables: ☒ Standard ☐ CLP-like ☐ NJ-Reduced ☐ NJ-Full ☐ Other State Samples Collected in? ☐ MO ☐ NJ ☐ NY ☒ PA EDS Required? ☐ Yes ☐ No DOD Criteria Required? ☐ Yes ☐ No					

ALS

APPENDIX R-6

Groundwater Analytical Data Sheets

February 22, 2017 Groundwater Sampling Activities



March 6, 2017

Mr. Marty Gilgallon
PA Tectonics
723 Main Street
Archbald, PA 18403

Certificate of Analysis

Project Name:	Pump N Pantry #001/25112	Workorder:	2210816
Purchase Order:		Workorder ID:	Pump N Pantry #001/25112

Dear Mr. Gilgallon:

Enclosed are the analytical results for samples received by the laboratory on Friday, February 24, 2017.

The ALS Environmental laboratory in Middletown, Pennsylvania is a National Environmental Laboratory Accreditation Program (NELAP) accredited laboratory and as such, certifies that all applicable test results meet the requirements of NELAP.

If you have any questions regarding this certificate of analysis, please contact Ms. Debra J. Musser (Project Coordinator) at (717) 944-5541.

Analyses were performed according to our laboratory's NELAP-approved quality assurance program and any applicable state requirements. The test results meet requirements of the current NELAP standards or state requirements, where applicable. For a specific list of accredited analytes, refer to the certifications section of the ALS website at www.alsglobal.com/en/Our-Services/Life-Sciences/Environmental/Downloads.

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ALS Spring City: 10 Riverside Drive, Spring City, PA 19475 610-948-4903

This page is included as part of the Analytical Report and must be retained as a permanent record thereof.

Ms. Debra J. Musser
Project Coordinator

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**SAMPLE SUMMARY**

Workorder: 2210816 Pump N Pantry #001/25112

Lab ID	Sample ID	Matrix	Date Collected	Date Received	Collected By
2210816001	112-0222-MW1	Water	2/22/2017 16:04	2/24/2017 09:00	Collected by Client
2210816002	112-0222-MW2	Water	2/22/2017 14:37	2/24/2017 09:00	Collected by Client
2210816003	112-0222-MW3	Water	2/22/2017 16:12	2/24/2017 09:00	Collected by Client
2210816004	112-0222-MW4	Water	2/22/2017 15:36	2/24/2017 09:00	Collected by Client
2210816005	112-0222-MW5	Water	2/22/2017 15:02	2/24/2017 09:00	Collected by Client
2210816006	112-0222-MW6	Water	2/22/2017 10:17	2/24/2017 09:00	Collected by Client
2210816007	112-0222-MW7	Water	2/22/2017 11:24	2/24/2017 09:00	Collected by Client
2210816008	112-0222-MW8	Water	2/22/2017 13:02	2/24/2017 09:00	Collected by Client
2210816009	112-0222-MW9	Water	2/22/2017 12:21	2/24/2017 09:00	Collected by Client
2210816010	112-0222-MW10	Water	2/22/2017 13:54	2/24/2017 09:00	Collected by Client
2210816011	112-0222-FB1	Water	2/22/2017 16:00	2/24/2017 09:00	Collected by Client

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SAMPLE SUMMARY

Workorder: 2210816 Pump N Pantry #001/25112

Notes

- Samples collected by ALS personnel are done so in accordance with the procedures set forth in the ALS Field Sampling Plan (20 - Field Services Sampling Plan).
- All Waste Water analyses comply with methodology requirements of 40 CFR Part 136.
- All Drinking Water analyses comply with methodology requirements of 40 CFR Part 141.
- Unless otherwise noted, all quantitative results for soils are reported on a dry weight basis.
- The Chain of Custody document is included as part of this report.
- All Library Search analytes should be regarded as tentative identifications based on the presumptive evidence of the mass spectra. Concentrations reported are estimated values.
- Parameters identified as "analyze immediately" require analysis within 15 minutes of collection. Any "analyze immediately" parameters not listed under the header "Field Parameters" are performed in the laboratory and are therefore analyzed out of hold time.
- Method references listed on this report beginning with the prefix "S" followed by a method number (such as S2310B-97) refer to methods from "Standard Methods for the Examination of Water and Wastewater".
- For microbiological analyses, the "Prepared" value is the date/time into the incubator and the "Analyzed" value is the date/time out the incubator.

Standard Acronyms/Flags

J	Indicates an estimated value between the Method Detection Limit (MDL) and the Practical Quantitation Limit (PQL) for the analyte
U	Indicates that the analyte was Not Detected (ND)
N	Indicates presumptive evidence of the presence of a compound
MDL	Method Detection Limit
PQL	Practical Quantitation Limit
RDL	Reporting Detection Limit
ND	Not Detected - indicates that the analyte was Not Detected at the RDL
Cntr	Analysis was performed using this container
RegLmt	Regulatory Limit
LCS	Laboratory Control Sample
MS	Matrix Spike
MSD	Matrix Spike Duplicate
DUP	Sample Duplicate
%Rec	Percent Recovery
RPD	Relative Percent Difference
LOD	DoD Limit of Detection
LOQ	DoD Limit of Quantitation
DL	DoD Detection Limit
I	Indicates reported value is greater than or equal to the Method Detection Limit (MDL) but less than the Report Detection Limit (RDL)
(S)	Surrogate Compound
NC	Not Calculated
*	Result outside of QC limits

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PROJECT SUMMARY

Workorder: 2210816 Pump N Pantry #001/25112

Sample Comments

Lab ID: 2210816002 **Sample ID:** 112-0222-MW2 **Sample Type:** SAMPLE

The GCMS volatiles analysis was performed at a dilution due to the level of target compounds.

Lab ID: 2210816003 **Sample ID:** 112-0222-MW3 **Sample Type:** SAMPLE

The GCMS volatiles analysis was performed at a dilution due to the level of target compounds.

Lab ID: 2210816004 **Sample ID:** 112-0222-MW4 **Sample Type:** SAMPLE

The GCMS volatiles analysis was performed at a dilution due to the level of target compounds.

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ANALYTICAL RESULTS

Workorder: 2210816 Pump N Pantry #001/25112

Lab ID: 2210816001
Sample ID: 112-0222-MW1

Date Collected: 2/22/2017 16:04 Matrix: Water
Date Received: 2/24/2017 09:00

Parameters	Results	Flag	Units	RDL	Method	Prepared	By	Analyzed	By	Cntr
VOLATILE ORGANICS										
Benzene	ND		ug/L	1.0	SW846 8260B			3/2/17 08:00	SYB	A
Ethylbenzene	ND		ug/L	1.0	SW846 8260B			3/2/17 08:00	SYB	A
Isopropylbenzene	ND		ug/L	1.0	SW846 8260B			3/2/17 08:00	SYB	A
Methyl t-Butyl Ether	ND		ug/L	1.0	SW846 8260B			3/2/17 08:00	SYB	A
Naphthalene	ND		ug/L	2.0	SW846 8260B			3/2/17 08:00	SYB	A
Toluene	ND		ug/L	1.0	SW846 8260B			3/2/17 08:00	SYB	A
Total Xylenes	ND		ug/L	3.0	SW846 8260B			3/2/17 08:00	SYB	A
1,2,4-Trimethylbenzene	ND		ug/L	1.0	SW846 8260B			3/2/17 08:00	SYB	A
1,3,5-Trimethylbenzene	ND		ug/L	1.0	SW846 8260B			3/2/17 08:00	SYB	A
<i>Surrogate Recoveries</i>	<i>Results</i>	<i>Flag</i>	<i>Units</i>	<i>Limits</i>	<i>Method</i>	<i>Prepared</i>	<i>By</i>	<i>Analyzed</i>	<i>By</i>	<i>Cntr</i>
1,2-Dichloroethane-d4 (S)	99.9		%	62 - 133	SW846 8260B			3/2/17 08:00	SYB	A
4-Bromofluorobenzene (S)	92.2		%	79 - 114	SW846 8260B			3/2/17 08:00	SYB	A
Dibromofluoromethane (S)	98.3		%	78 - 116	SW846 8260B			3/2/17 08:00	SYB	A
Toluene-d8 (S)	98.4		%	76 - 127	SW846 8260B			3/2/17 08:00	SYB	A

Ms. Debra J. Musser
Project Coordinator

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ANALYTICAL RESULTS

Workorder: 2210816 Pump N Pantry #001/25112

Lab ID: **2210816002**
Sample ID: **112-0222-MW2**

Date Collected: 2/22/2017 14:37 Matrix: Water
Date Received: 2/24/2017 09:00

Parameters	Results	Flag	Units	RDL	Method	Prepared	By	Analyzed	By	Cntr
VOLATILE ORGANICS										
Benzene	349		ug/L	5.0	SW846 8260B			3/2/17 08:36	SYB	A
Ethylbenzene	412		ug/L	5.0	SW846 8260B			3/2/17 08:36	SYB	A
Isopropylbenzene	17.0		ug/L	5.0	SW846 8260B			3/2/17 08:36	SYB	A
Methyl t-Butyl Ether	ND		ug/L	5.0	SW846 8260B			3/2/17 08:36	SYB	A
Naphthalene	50.5		ug/L	10.0	SW846 8260B			3/2/17 08:36	SYB	A
Toluene	19.5		ug/L	5.0	SW846 8260B			3/2/17 08:36	SYB	A
Total Xylenes	275		ug/L	15.0	SW846 8260B			3/2/17 08:36	SYB	A
1,2,4-Trimethylbenzene	250		ug/L	5.0	SW846 8260B			3/2/17 08:36	SYB	A
1,3,5-Trimethylbenzene	ND		ug/L	5.0	SW846 8260B			3/2/17 08:36	SYB	A
<i>Surrogate Recoveries</i>	<i>Results</i>	<i>Flag</i>	<i>Units</i>	<i>Limits</i>	<i>Method</i>	<i>Prepared</i>	<i>By</i>	<i>Analyzed</i>	<i>By</i>	<i>Cntr</i>
1,2-Dichloroethane-d4 (S)	98.2		%	62 - 133	SW846 8260B			3/2/17 08:36	SYB	A
4-Bromofluorobenzene (S)	92.1		%	79 - 114	SW846 8260B			3/2/17 08:36	SYB	A
Dibromofluoromethane (S)	98.6		%	78 - 116	SW846 8260B			3/2/17 08:36	SYB	A
Toluene-d8 (S)	98		%	76 - 127	SW846 8260B			3/2/17 08:36	SYB	A

Debra J Musser

Ms. Debra J. Musser
Project Coordinator

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ANALYTICAL RESULTS

Workorder: 2210816 Pump N Pantry #001/25112

Lab ID: **2210816003**
Sample ID: **112-0222-MW3**

Date Collected: 2/22/2017 16:12 Matrix: Water
Date Received: 2/24/2017 09:00

Parameters	Results	Flag	Units	RDL	Method	Prepared	By	Analyzed	By	Cntr
VOLATILE ORGANICS										
Benzene	96.8		ug/L	5.0	SW846 8260B			3/2/17 08:54	SYB	A
Ethylbenzene	287		ug/L	5.0	SW846 8260B			3/2/17 08:54	SYB	A
Isopropylbenzene	16.4		ug/L	5.0	SW846 8260B			3/2/17 08:54	SYB	A
Methyl t-Butyl Ether	6.8		ug/L	5.0	SW846 8260B			3/2/17 08:54	SYB	A
Naphthalene	27.9		ug/L	10.0	SW846 8260B			3/2/17 08:54	SYB	A
Toluene	10.5		ug/L	5.0	SW846 8260B			3/2/17 08:54	SYB	A
Total Xylenes	57.7		ug/L	15.0	SW846 8260B			3/2/17 08:54	SYB	A
1,2,4-Trimethylbenzene	26.7		ug/L	5.0	SW846 8260B			3/2/17 08:54	SYB	A
1,3,5-Trimethylbenzene	ND		ug/L	5.0	SW846 8260B			3/2/17 08:54	SYB	A
<i>Surrogate Recoveries</i>	<i>Results</i>	<i>Flag</i>	<i>Units</i>	<i>Limits</i>	<i>Method</i>	<i>Prepared</i>	<i>By</i>	<i>Analyzed</i>	<i>By</i>	<i>Cntr</i>
1,2-Dichloroethane-d4 (S)	97.8		%	62 - 133	SW846 8260B			3/2/17 08:54	SYB	A
4-Bromofluorobenzene (S)	92.6		%	79 - 114	SW846 8260B			3/2/17 08:54	SYB	A
Dibromofluoromethane (S)	96.9		%	78 - 116	SW846 8260B			3/2/17 08:54	SYB	A
Toluene-d8 (S)	98.4		%	76 - 127	SW846 8260B			3/2/17 08:54	SYB	A



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ANALYTICAL RESULTS

Workorder: 2210816 Pump N Pantry #001/25112

Lab ID: **2210816004**
Sample ID: **112-0222-MW4**

Date Collected: 2/22/2017 15:36 Matrix: Water
Date Received: 2/24/2017 09:00

Parameters	Results	Flag	Units	RDL	Method	Prepared	By	Analyzed	By	Cntr
VOLATILE ORGANICS										
Benzene	268		ug/L	5.0	SW846 8260B			3/2/17 09:13	SYB	A
Ethylbenzene	176		ug/L	5.0	SW846 8260B			3/2/17 09:13	SYB	A
Isopropylbenzene	18.6		ug/L	5.0	SW846 8260B			3/2/17 09:13	SYB	A
Methyl t-Butyl Ether	5.8		ug/L	5.0	SW846 8260B			3/2/17 09:13	SYB	A
Naphthalene	17.7		ug/L	10.0	SW846 8260B			3/2/17 09:13	SYB	A
Toluene	17.8		ug/L	5.0	SW846 8260B			3/2/17 09:13	SYB	A
Total Xylenes	55.0		ug/L	15.0	SW846 8260B			3/2/17 09:13	SYB	A
1,2,4-Trimethylbenzene	14.4		ug/L	5.0	SW846 8260B			3/2/17 09:13	SYB	A
1,3,5-Trimethylbenzene	ND		ug/L	5.0	SW846 8260B			3/2/17 09:13	SYB	A
<i>Surrogate Recoveries</i>	<i>Results</i>	<i>Flag</i>	<i>Units</i>	<i>Limits</i>	<i>Method</i>	<i>Prepared</i>	<i>By</i>	<i>Analyzed</i>	<i>By</i>	<i>Cntr</i>
1,2-Dichloroethane-d4 (S)	95.6		%	62 - 133	SW846 8260B			3/2/17 09:13	SYB	A
4-Bromofluorobenzene (S)	91.2		%	79 - 114	SW846 8260B			3/2/17 09:13	SYB	A
Dibromofluoromethane (S)	95.9		%	78 - 116	SW846 8260B			3/2/17 09:13	SYB	A
Toluene-d8 (S)	95.6		%	76 - 127	SW846 8260B			3/2/17 09:13	SYB	A



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ANALYTICAL RESULTS

Workorder: 2210816 Pump N Pantry #001/25112

Lab ID: **2210816005**
Sample ID: **112-0222-MW5**

Date Collected: 2/22/2017 15:02 Matrix: Water
Date Received: 2/24/2017 09:00

Parameters	Results	Flag	Units	RDL	Method	Prepared	By	Analyzed	By	Cntr
VOLATILE ORGANICS										
Benzene	116		ug/L	1.0	SW846 8260B			3/3/17 17:46	TMP	B
Ethylbenzene	196		ug/L	1.0	SW846 8260B			3/3/17 17:46	TMP	B
Isopropylbenzene	21.9		ug/L	1.0	SW846 8260B			3/3/17 17:46	TMP	B
Methyl t-Butyl Ether	12.4		ug/L	1.0	SW846 8260B			3/3/17 17:46	TMP	B
Naphthalene	53.0		ug/L	2.0	SW846 8260B			3/3/17 17:46	TMP	B
Toluene	5.4		ug/L	1.0	SW846 8260B			3/3/17 17:46	TMP	B
Total Xylenes	53.2		ug/L	3.0	SW846 8260B			3/3/17 17:46	TMP	B
1,2,4-Trimethylbenzene	126		ug/L	1.0	SW846 8260B			3/3/17 17:46	TMP	B
1,3,5-Trimethylbenzene	ND		ug/L	1.0	SW846 8260B			3/3/17 17:46	TMP	B
<i>Surrogate Recoveries</i>	<i>Results</i>	<i>Flag</i>	<i>Units</i>	<i>Limits</i>	<i>Method</i>	<i>Prepared</i>	<i>By</i>	<i>Analyzed</i>	<i>By</i>	<i>Cntr</i>
1,2-Dichloroethane-d4 (S)	93.8		%	62 - 133	SW846 8260B			3/3/17 17:46	TMP	B
4-Bromofluorobenzene (S)	89.3		%	79 - 114	SW846 8260B			3/3/17 17:46	TMP	B
Dibromofluoromethane (S)	96.8		%	78 - 116	SW846 8260B			3/3/17 17:46	TMP	B
Toluene-d8 (S)	95.9		%	76 - 127	SW846 8260B			3/3/17 17:46	TMP	B



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ANALYTICAL RESULTS

Workorder: 2210816 Pump N Pantry #001/25112

Lab ID: 2210816006
Sample ID: 112-0222-MW6

Date Collected: 2/22/2017 10:17 Matrix: Water
Date Received: 2/24/2017 09:00

Parameters	Results	Flag	Units	RDL	Method	Prepared	By	Analyzed	By	Cntr
VOLATILE ORGANICS										
Benzene	ND		ug/L	1.0	SW846 8260B			3/2/17 08:18	SYB	A
Ethylbenzene	ND		ug/L	1.0	SW846 8260B			3/2/17 08:18	SYB	A
Isopropylbenzene	ND		ug/L	1.0	SW846 8260B			3/2/17 08:18	SYB	A
Methyl t-Butyl Ether	ND		ug/L	1.0	SW846 8260B			3/2/17 08:18	SYB	A
Naphthalene	ND		ug/L	2.0	SW846 8260B			3/2/17 08:18	SYB	A
Toluene	ND		ug/L	1.0	SW846 8260B			3/2/17 08:18	SYB	A
Total Xylenes	ND		ug/L	3.0	SW846 8260B			3/2/17 08:18	SYB	A
1,2,4-Trimethylbenzene	ND		ug/L	1.0	SW846 8260B			3/2/17 08:18	SYB	A
1,3,5-Trimethylbenzene	ND		ug/L	1.0	SW846 8260B			3/2/17 08:18	SYB	A
<i>Surrogate Recoveries</i>	<i>Results</i>	<i>Flag</i>	<i>Units</i>	<i>Limits</i>	<i>Method</i>	<i>Prepared</i>	<i>By</i>	<i>Analyzed</i>	<i>By</i>	<i>Cntr</i>
1,2-Dichloroethane-d4 (S)	97.3		%	62 - 133	SW846 8260B			3/2/17 08:18	SYB	A
4-Bromofluorobenzene (S)	90.8		%	79 - 114	SW846 8260B			3/2/17 08:18	SYB	A
Dibromofluoromethane (S)	98.2		%	78 - 116	SW846 8260B			3/2/17 08:18	SYB	A
Toluene-d8 (S)	96		%	76 - 127	SW846 8260B			3/2/17 08:18	SYB	A

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**ANALYTICAL RESULTS**

Workorder: 2210816 Pump N Pantry #001/25112

Lab ID: **2210816007**
Sample ID: **112-0222-MW7**Date Collected: 2/22/2017 11:24 Matrix: Water
Date Received: 2/24/2017 09:00

Parameters	Results	Flag	Units	RDL	Method	Prepared	By	Analyzed	By	Cntr
VOLATILE ORGANICS										
Benzene	ND		ug/L	1.0	SW846 8260B			3/2/17 09:49	SYB	A
Ethylbenzene	ND		ug/L	1.0	SW846 8260B			3/2/17 09:49	SYB	A
Isopropylbenzene	ND		ug/L	1.0	SW846 8260B			3/2/17 09:49	SYB	A
Methyl t-Butyl Ether	ND		ug/L	1.0	SW846 8260B			3/2/17 09:49	SYB	A
Naphthalene	ND		ug/L	2.0	SW846 8260B			3/2/17 09:49	SYB	A
Toluene	ND		ug/L	1.0	SW846 8260B			3/2/17 09:49	SYB	A
Total Xylenes	ND		ug/L	3.0	SW846 8260B			3/2/17 09:49	SYB	A
1,2,4-Trimethylbenzene	ND		ug/L	1.0	SW846 8260B			3/2/17 09:49	SYB	A
1,3,5-Trimethylbenzene	ND		ug/L	1.0	SW846 8260B			3/2/17 09:49	SYB	A
<i>Surrogate Recoveries</i>	<i>Results</i>	<i>Flag</i>	<i>Units</i>	<i>Limits</i>	<i>Method</i>	<i>Prepared</i>	<i>By</i>	<i>Analyzed</i>	<i>By</i>	<i>Cntr</i>
1,2-Dichloroethane-d4 (S)	96.9		%	62 - 133	SW846 8260B			3/2/17 09:49	SYB	A
4-Bromofluorobenzene (S)	84.1		%	79 - 114	SW846 8260B			3/2/17 09:49	SYB	A
Dibromofluoromethane (S)	94.4		%	78 - 116	SW846 8260B			3/2/17 09:49	SYB	A
Toluene-d8 (S)	94.4		%	76 - 127	SW846 8260B			3/2/17 09:49	SYB	A

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ANALYTICAL RESULTS

Workorder: 2210816 Pump N Pantry #001/25112

Lab ID: **2210816008**
Sample ID: **112-0222-MW8**

Date Collected: 2/22/2017 13:02 Matrix: Water
Date Received: 2/24/2017 09:00

Parameters	Results	Flag	Units	RDL	Method	Prepared	By	Analyzed	By	Cntr
VOLATILE ORGANICS										
Benzene	ND		ug/L	1.0	SW846 8260B			3/2/17 10:07	SYB	A
Ethylbenzene	ND		ug/L	1.0	SW846 8260B			3/2/17 10:07	SYB	A
Isopropylbenzene	ND		ug/L	1.0	SW846 8260B			3/2/17 10:07	SYB	A
Methyl t-Butyl Ether	ND		ug/L	1.0	SW846 8260B			3/2/17 10:07	SYB	A
Naphthalene	ND		ug/L	2.0	SW846 8260B			3/2/17 10:07	SYB	A
Toluene	ND		ug/L	1.0	SW846 8260B			3/2/17 10:07	SYB	A
Total Xylenes	ND		ug/L	3.0	SW846 8260B			3/2/17 10:07	SYB	A
1,2,4-Trimethylbenzene	ND		ug/L	1.0	SW846 8260B			3/2/17 10:07	SYB	A
1,3,5-Trimethylbenzene	ND		ug/L	1.0	SW846 8260B			3/2/17 10:07	SYB	A
<i>Surrogate Recoveries</i>	<i>Results</i>	<i>Flag</i>	<i>Units</i>	<i>Limits</i>	<i>Method</i>	<i>Prepared</i>	<i>By</i>	<i>Analyzed</i>	<i>By</i>	<i>Cntr</i>
1,2-Dichloroethane-d4 (S)	97.2		%	62 - 133	SW846 8260B			3/2/17 10:07	SYB	A
4-Bromofluorobenzene (S)	91.8		%	79 - 114	SW846 8260B			3/2/17 10:07	SYB	A
Dibromofluoromethane (S)	96.2		%	78 - 116	SW846 8260B			3/2/17 10:07	SYB	A
Toluene-d8 (S)	96.6		%	76 - 127	SW846 8260B			3/2/17 10:07	SYB	A



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ANALYTICAL RESULTS

Workorder: 2210816 Pump N Pantry #001/25112

Lab ID: **2210816009**
Sample ID: **112-0222-MW9**

Date Collected: 2/22/2017 12:21 Matrix: Water
Date Received: 2/24/2017 09:00

Parameters	Results	Flag	Units	RDL	Method	Prepared	By	Analyzed	By	Cntr
VOLATILE ORGANICS										
Benzene	ND		ug/L	1.0	SW846 8260B			3/2/17 15:20	TMP	A
Ethylbenzene	ND		ug/L	1.0	SW846 8260B			3/2/17 15:20	TMP	A
Isopropylbenzene	ND		ug/L	1.0	SW846 8260B			3/2/17 15:20	TMP	A
Methyl t-Butyl Ether	ND		ug/L	1.0	SW846 8260B			3/2/17 15:20	TMP	A
Naphthalene	ND		ug/L	2.0	SW846 8260B			3/2/17 15:20	TMP	A
Toluene	ND		ug/L	1.0	SW846 8260B			3/2/17 15:20	TMP	A
Total Xylenes	ND		ug/L	3.0	SW846 8260B			3/2/17 15:20	TMP	A
1,2,4-Trimethylbenzene	ND		ug/L	1.0	SW846 8260B			3/2/17 15:20	TMP	A
1,3,5-Trimethylbenzene	ND		ug/L	1.0	SW846 8260B			3/2/17 15:20	TMP	A
<i>Surrogate Recoveries</i>	<i>Results</i>	<i>Flag</i>	<i>Units</i>	<i>Limits</i>	<i>Method</i>	<i>Prepared</i>	<i>By</i>	<i>Analyzed</i>	<i>By</i>	<i>Cntr</i>
1,2-Dichloroethane-d4 (S)	96.4		%	62 - 133	SW846 8260B			3/2/17 15:20	TMP	A
4-Bromofluorobenzene (S)	88.7		%	79 - 114	SW846 8260B			3/2/17 15:20	TMP	A
Dibromofluoromethane (S)	99		%	78 - 116	SW846 8260B			3/2/17 15:20	TMP	A
Toluene-d8 (S)	95		%	76 - 127	SW846 8260B			3/2/17 15:20	TMP	A

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ANALYTICAL RESULTS

Workorder: 2210816 Pump N Pantry #001/25112

Lab ID: **2210816010**
Sample ID: **112-0222-MW10**

Date Collected: 2/22/2017 13:54 Matrix: Water
Date Received: 2/24/2017 09:00

Parameters	Results	Flag	Units	RDL	Method	Prepared	By	Analyzed	By	Cntr
VOLATILE ORGANICS										
Benzene	ND		ug/L	1.0	SW846 8260B			3/2/17 15:03	DD	A
Ethylbenzene	ND		ug/L	1.0	SW846 8260B			3/2/17 15:03	DD	A
Isopropylbenzene	ND		ug/L	1.0	SW846 8260B			3/2/17 15:03	DD	A
Methyl t-Butyl Ether	ND		ug/L	1.0	SW846 8260B			3/2/17 15:03	DD	A
Naphthalene	ND		ug/L	2.0	SW846 8260B			3/2/17 15:03	DD	A
Toluene	ND		ug/L	1.0	SW846 8260B			3/2/17 15:03	DD	A
Total Xylenes	ND		ug/L	3.0	SW846 8260B			3/2/17 15:03	DD	A
1,2,4-Trimethylbenzene	ND		ug/L	1.0	SW846 8260B			3/2/17 15:03	DD	A
1,3,5-Trimethylbenzene	ND		ug/L	1.0	SW846 8260B			3/2/17 15:03	DD	A
<i>Surrogate Recoveries</i>	<i>Results</i>	<i>Flag</i>	<i>Units</i>	<i>Limits</i>	<i>Method</i>	<i>Prepared</i>	<i>By</i>	<i>Analyzed</i>	<i>By</i>	<i>Cntr</i>
1,2-Dichloroethane-d4 (S)	90.5		%	62 - 133	SW846 8260B			3/2/17 15:03	DD	A
4-Bromofluorobenzene (S)	78.9		%	79 - 114	SW846 8260B			3/2/17 15:03	DD	A
Dibromofluoromethane (S)	84.2		%	78 - 116	SW846 8260B			3/2/17 15:03	DD	A
Toluene-d8 (S)	84		%	76 - 127	SW846 8260B			3/2/17 15:03	DD	A



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**ANALYTICAL RESULTS**

Workorder: 2210816 Pump N Pantry #001/25112

Lab ID: **2210816011**
Sample ID: **112-0222-FB1**Date Collected: 2/22/2017 16:00 Matrix: Water
Date Received: 2/24/2017 09:00

Parameters	Results	Flag	Units	RDL	Method	Prepared	By	Analyzed	By	Cntr
VOLATILE ORGANICS										
Benzene	ND		ug/L	1.0	SW846 8260B			3/2/17 14:19	DD	A
Ethylbenzene	ND		ug/L	1.0	SW846 8260B			3/2/17 14:19	DD	A
Isopropylbenzene	ND		ug/L	1.0	SW846 8260B			3/2/17 14:19	DD	A
Methyl t-Butyl Ether	ND		ug/L	1.0	SW846 8260B			3/2/17 14:19	DD	A
Naphthalene	ND		ug/L	2.0	SW846 8260B			3/2/17 14:19	DD	A
Toluene	ND		ug/L	1.0	SW846 8260B			3/2/17 14:19	DD	A
Total Xylenes	ND		ug/L	3.0	SW846 8260B			3/2/17 14:19	DD	A
1,2,4-Trimethylbenzene	ND		ug/L	1.0	SW846 8260B			3/2/17 14:19	DD	A
1,3,5-Trimethylbenzene	ND		ug/L	1.0	SW846 8260B			3/2/17 14:19	DD	A
<i>Surrogate Recoveries</i>	<i>Results</i>	<i>Flag</i>	<i>Units</i>	<i>Limits</i>	<i>Method</i>	<i>Prepared</i>	<i>By</i>	<i>Analyzed</i>	<i>By</i>	<i>Cntr</i>
1,2-Dichloroethane-d4 (S)	92		%	62 - 133	SW846 8260B			3/2/17 14:19	DD	A
4-Bromofluorobenzene (S)	79.2		%	79 - 114	SW846 8260B			3/2/17 14:19	DD	A
Dibromofluoromethane (S)	85.1		%	78 - 116	SW846 8260B			3/2/17 14:19	DD	A
Toluene-d8 (S)	83.8		%	76 - 127	SW846 8260B			3/2/17 14:19	DD	A

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34 Dogwood Lane
Middletown, PA 17057
P. 717-944-5541
F. 717-944-1430

Environmental

CHAIN OF CUSTODY/ REQUEST FOR ANALYSIS

ALL SHADED AREAS MUST BE COMPLETED BY THE CLIENT/
SAMPLER. INSTRUCTIONS ON THE BACK.

Page 1 of 2
Courier: FD-EX
Tracking #: 8110 0423
176Y



Co. Name: PENNSYLVANIA TECHNOLOGIES, INC.
Contact (report to): MARTIN GIGLIONE Phone: 570-487-1959
Address: 723 MAIN STREET
ARCHBOLD PA 18403

Bill to (if different than Report to):
PO#:
Project Name/ID: Pump-n-Park #001 / 25112 ALS Quote #:
TAT: ☒ Normal-Standard TAT is 10-12 business days. Date Required:
☐ Rush-Subject to ALS approval and surcharges. Approved By:

Email? ☒ Y ☐ N
Fax? ☐ Y ☐ N

Sample Description/Location (as it will appear on the lab report)	COC Comments	Sample Date	Military Time
1 112-0222-MW1		02-22-17	1604
2 112-0222-MW2		02-22-17	1437
3 112-0222-MW3		02-22-17	1612
4 112-0222-MW4		02-22-17	1536
5 112-0222-MW5		02-22-17	1502
6 112-0222-MW6		02-22-17	1017
7 112-0222-MW7		02-22-17	1124
8 112-0222-MW8		02-22-17	1302

SAMPLER BY (Please Print):		Project Comments:	
KEVIN CUCORA PA TECHNOLOGIES			
Relinquished By / Company Name	Date	Time	Received By / Company Name
1 <u>Kevin Cucora / PA Technologies</u>	02-22-17	1400	2 <u>Kevin Cucora / PA Technologies</u>
3 <u>Kevin Cucora / PA Technologies</u>			4 <u>Kevin Cucora / PA Technologies</u>
5 <u>Kevin Cucora / PA Technologies</u>			6 <u>Kevin Cucora / PA Technologies</u>
7 <u>Kevin Cucora / PA Technologies</u>			8 <u>Kevin Cucora / PA Technologies</u>
9 <u>Kevin Cucora / PA Technologies</u>			10 <u>Kevin Cucora / PA Technologies</u>

Container Type: CG
Container Size: 46mL
Preservative: HCl

ANALYSES/METHOD REQUESTED

Enter Number of Containers Per Analysis			
Correct container?	Correct sample volume?	Correct preservation?	Headspace/Volatiles?
Y	Y	Y	Y
N	N	N	N
Received on ice?	COCLabels complete/accurate?	Container in good condition?	
Y	Y	Y	
N	N	N	

SDWA Form? ☐ yes ☐ no
CLP-like ☐ NJ-Reduced ☐ NJ-Full ☐ Other: ☐
Data Deliverables: ☒ Standard ☐ CLP-like ☐ NJ-Reduced ☐ NJ-Full ☐ Other: ☐
Sub Samples Collected In? ☐ MD ☐ NJ ☐ NY ☒ PA
Pickup ☐ Labor ☐ Composite Sampling ☐ Rental Equipment ☐ Other: ☐
EOS: ☐ if yes, format type: ☐
OOD Criteria Required? ☐



34 Dogwood Lane
Middletown, PA 17057
P. 717-944-5541
F. 717-944-1430

Environmental

Co. Name: PENNSYLVANIA TECHNOLOGIES, INC.

Contact (Report to): MARTIN GILGILLON

Address: 723 MAIN STREET

ARLBERG PA 18403

Phone: 570-487-1950

Bill to (different than Report to):

PO#:

Project Name/ID: Pump-N-Pipe #001/25112 ALS Quote #:

TAT: ☒ Normal-Standard TAT is 10-12 business days.

☐ Rush-Subject to ALS approval and surcharges.

Email?

Fax?

☒ Y

☐ N

Approved By: mgilgillon@pntestlabs.com

Date Required:

Approved By:

CHAIN OF CUSTODY/ REQUEST FOR ANALYSIS

ALL SHADED AREAS MUST BE COMPLETED BY THE CLIENT/
SAMPLER. INSTRUCTIONS ON THE BACK.

Page 2 of 2

Courier: FD-EX

Tracking #: 810 0423

1764

Co. Name: PENNSYLVANIA TECHNOLOGIES, INC.		Phone: 570-487-1950	
Contact (Report to): MARTIN GILGILLON		Address: 723 MAIN STREET	
ARLBERG PA 18403		PO#:	
Project Name/ID: Pump-N-Pipe #001/25112 ALS Quote #:			
TAT: ☒ Normal-Standard TAT is 10-12 business days.			
☐ Rush-Subject to ALS approval and surcharges.			
Email?	☒ Y	Fax?	☐ N
Approved By: <u>mgilgillon@pntestlabs.com</u>			
Sample Description/Location (as it will appear on the lab report)	COC Comments	Sample Date	Military Time
1 112-0222-MW9		02-22-17	1221
2 112-0222-MW10		02-22-17	1354
3 112-0222-FBI		02-22-17	1600
4			
5			
6			
7			
8			
SAMPLER BY (Please Print): <u>Kevin Geura PA Technics</u>			
Relinquished By / Company Name			
1 <u>Kevin Geura PA Technics</u>	Date	Time	Received By / Company Name
2 <u>Kevin Geura PA Technics</u>	02-23-17	1400	2 <u>FD-EX 810 0423 1764</u>
3 <u>Kevin Geura PA Technics</u>			4 <u>Johnny</u>
5			6
7			8
9			10
Project Comments:			
SIXTH SAMPLES COLLECTED IN?			
SDWA Forms? ☐ yes ☐ no			
CLP-like ☐ yes ☐ no			
NJ-Reduced ☐ yes ☐ no			
NJ-Full ☐ yes ☐ no			
If yes, format type:			
EODs Required? ☐ yes ☐ no			
ODD Criteria Required? ☐ yes ☐ no			
ALS FIELD SERVICES			
☐ Pickup ☐ Labor ☐ Composite Sampling ☐ Rental Equipment ☐ Other:			
Receipt Information (Controlled by Sample Receiving)			
Performed by: <u>AG</u>			
Cooler Temp: <u>5</u>			
Therm. ID: <u>71332</u>			
No. of Coolers:			
Notes:			
Correct containers? ☒ Y ☐ N			
Correct sample volumes? ☒ Y ☐ N			
Correct preservation? ☒ Y ☐ N			
Headspace/Volatiles? ☒ Y ☐ N			
COC Labels complete/accurate? ☒ Y ☐ N			
Received on ice? ☒ Y ☐ N			
(if present) Seals intact? ☒ Y ☐ N			
Custody seals Present? ☒ Y ☐ N			
Container in good condition? ☒ Y ☐ N			
Circle appropriate Y or N.			
ANALYSES/METHOD REQUESTED			
Enter Number of Containers Per Analysis			
UNLAPED GASOLINE			



March 2, 2017

Mr. Marty Gilgallon
PA Tectonics
723 Main Street
Archbald, PA 18403

Certificate of Analysis

Project Name:	Pump N Pantry #001/25112	Workorder:	2210815
Purchase Order:		Workorder ID:	Pump N Pantry #001/25112

Dear Mr. Gilgallon:

Enclosed are the analytical results for samples received by the laboratory on Friday, February 24, 2017.

The ALS Environmental laboratory in Middletown, Pennsylvania is a National Environmental Laboratory Accreditation Program (NELAP) accredited laboratory and as such, certifies that all applicable test results meet the requirements of NELAP.

If you have any questions regarding this certificate of analysis, please contact Ms. Debra J. Musser (Project Coordinator) at (717) 944-5541.

Analyses were performed according to our laboratory's NELAP-approved quality assurance program and any applicable state requirements. The test results meet requirements of the current NELAP standards or state requirements, where applicable. For a specific list of accredited analytes, refer to the certifications section of the ALS website at www.alsglobal.com/en/Our-Services/Life-Sciences/Environmental/Downloads.

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ALS Spring City: 10 Riverside Drive, Spring City, PA 19475 610-948-4903

This page is included as part of the Analytical Report and must be retained as a permanent record thereof.

Ms. Debra J. Musser
Project Coordinator

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**SAMPLE SUMMARY**

Workorder: 2210815 Pump N Pantry #001/25112

Lab ID	Sample ID	Matrix	Date Collected	Date Received	Collected By
2210815001	112-0222-OW1	Water	2/22/2017 09:18	2/24/2017 09:00	Collected by Client
2210815002	112-0222-OW2	Water	2/22/2017 09:31	2/24/2017 09:00	Collected by Client

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SAMPLE SUMMARY

Workorder: 2210815 Pump N Pantry #001/25112

Notes

- Samples collected by ALS personnel are done so in accordance with the procedures set forth in the ALS Field Sampling Plan (20 - Field Services Sampling Plan).
- All Waste Water analyses comply with methodology requirements of 40 CFR Part 136.
- All Drinking Water analyses comply with methodology requirements of 40 CFR Part 141.
- Unless otherwise noted, all quantitative results for soils are reported on a dry weight basis.
- The Chain of Custody document is included as part of this report.
- All Library Search analytes should be regarded as tentative identifications based on the presumptive evidence of the mass spectra. Concentrations reported are estimated values.
- Parameters identified as "analyze immediately" require analysis within 15 minutes of collection. Any "analyze immediately" parameters not listed under the header "Field Parameters" are performed in the laboratory and are therefore analyzed out of hold time.
- Method references listed on this report beginning with the prefix "S" followed by a method number (such as S2310B-97) refer to methods from "Standard Methods for the Examination of Water and Wastewater".
- For microbiological analyses, the "Prepared" value is the date/time into the incubator and the "Analyzed" value is the date/time out the incubator.

Standard Acronyms/Flags

J	Indicates an estimated value between the Method Detection Limit (MDL) and the Practical Quantitation Limit (PQL) for the analyte
U	Indicates that the analyte was Not Detected (ND)
N	Indicates presumptive evidence of the presence of a compound
MDL	Method Detection Limit
PQL	Practical Quantitation Limit
RDL	Reporting Detection Limit
ND	Not Detected - indicates that the analyte was Not Detected at the RDL
Cntr	Analysis was performed using this container
RegLmt	Regulatory Limit
LCS	Laboratory Control Sample
MS	Matrix Spike
MSD	Matrix Spike Duplicate
DUP	Sample Duplicate
%Rec	Percent Recovery
RPD	Relative Percent Difference
LOD	DoD Limit of Detection
LOQ	DoD Limit of Quantitation
DL	DoD Detection Limit
I	Indicates reported value is greater than or equal to the Method Detection Limit (MDL) but less than the Report Detection Limit (RDL)
(S)	Surrogate Compound
NC	Not Calculated
*	Result outside of QC limits

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ANALYTICAL RESULTS

Workorder: 2210815 Pump N Pantry #001/25112

Lab ID: 2210815001
Sample ID: 112-0222-OW1

Date Collected: 2/22/2017 09:18 Matrix: Water
Date Received: 2/24/2017 09:00

Parameters	Results	Flag	Units	RDL	Method	Prepared	By	Analyzed	By	Cntr
VOLATILE ORGANICS										
Benzene	ND		ug/L	1.0	SW846 8260B			3/1/17 17:55	TMP	A
Ethylbenzene	ND		ug/L	1.0	SW846 8260B			3/1/17 17:55	TMP	A
Isopropylbenzene	ND		ug/L	1.0	SW846 8260B			3/1/17 17:55	TMP	A
Methyl t-Butyl Ether	ND		ug/L	1.0	SW846 8260B			3/1/17 17:55	TMP	A
Naphthalene	ND		ug/L	2.0	SW846 8260B			3/1/17 17:55	TMP	A
Toluene	ND		ug/L	1.0	SW846 8260B			3/1/17 17:55	TMP	A
Total Xylenes	ND		ug/L	3.0	SW846 8260B			3/1/17 17:55	TMP	A
1,2,4-Trimethylbenzene	ND		ug/L	1.0	SW846 8260B			3/1/17 17:55	TMP	A
1,3,5-Trimethylbenzene	ND		ug/L	1.0	SW846 8260B			3/1/17 17:55	TMP	A
<i>Surrogate Recoveries</i>	<i>Results</i>	<i>Flag</i>	<i>Units</i>	<i>Limits</i>	<i>Method</i>	<i>Prepared</i>	<i>By</i>	<i>Analyzed</i>	<i>By</i>	<i>Cntr</i>
1,2-Dichloroethane-d4 (S)	97.8		%	62 - 133	SW846 8260B			3/1/17 17:55	TMP	A
4-Bromofluorobenzene (S)	88.7		%	79 - 114	SW846 8260B			3/1/17 17:55	TMP	A
Dibromofluoromethane (S)	95.2		%	78 - 116	SW846 8260B			3/1/17 17:55	TMP	A
Toluene-d8 (S)	97.5		%	76 - 127	SW846 8260B			3/1/17 17:55	TMP	A

Debra J Musser

Ms. Debra J. Musser
Project Coordinator

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ANALYTICAL RESULTS

Workorder: 2210815 Pump N Pantry #001/25112

Lab ID: **2210815002**
Sample ID: **112-0222-OW2**

Date Collected: 2/22/2017 09:31 Matrix: Water
Date Received: 2/24/2017 09:00

Parameters	Results	Flag	Units	RDL	Method	Prepared	By	Analyzed	By	Cntr
VOLATILE ORGANICS										
Benzene	ND		ug/L	1.0	SW846 8260B			3/1/17 19:45	TMP	A
Ethylbenzene	ND		ug/L	1.0	SW846 8260B			3/1/17 19:45	TMP	A
Isopropylbenzene	ND		ug/L	1.0	SW846 8260B			3/1/17 19:45	TMP	A
Methyl t-Butyl Ether	ND		ug/L	1.0	SW846 8260B			3/1/17 19:45	TMP	A
Naphthalene	ND		ug/L	2.0	SW846 8260B			3/1/17 19:45	TMP	A
Toluene	ND		ug/L	1.0	SW846 8260B			3/1/17 19:45	TMP	A
Total Xylenes	ND		ug/L	3.0	SW846 8260B			3/1/17 19:45	TMP	A
1,2,4-Trimethylbenzene	ND		ug/L	1.0	SW846 8260B			3/1/17 19:45	TMP	A
1,3,5-Trimethylbenzene	ND		ug/L	1.0	SW846 8260B			3/1/17 19:45	TMP	A
<i>Surrogate Recoveries</i>	<i>Results</i>	<i>Flag</i>	<i>Units</i>	<i>Limits</i>	<i>Method</i>	<i>Prepared</i>	<i>By</i>	<i>Analyzed</i>	<i>By</i>	<i>Cntr</i>
1,2-Dichloroethane-d4 (S)	97.8		%	62 - 133	SW846 8260B			3/1/17 19:45	TMP	A
4-Bromofluorobenzene (S)	89.3		%	79 - 114	SW846 8260B			3/1/17 19:45	TMP	A
Dibromofluoromethane (S)	96.9		%	78 - 116	SW846 8260B			3/1/17 19:45	TMP	A
Toluene-d8 (S)	98.3		%	76 - 127	SW846 8260B			3/1/17 19:45	TMP	A



Ms. Debra J. Musser
Project Coordinator

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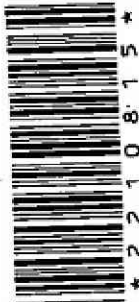
34 Dogwood Lane
Middletown, PA 17057
P. 717-944-5541
F. 717-944-1430

Environmental

CHAIN OF CUSTODY/ REQUEST FOR ANALYSIS

ALL SHADED AREAS MUST BE COMPLETED BY THE CLIENT /
SAMPLER. INSTRUCTIONS ON THE BACK.

Page 1 of 1
Courtier: **RO-3x**
Tracking #: **8110 0423**
17604



Co. Name: **PENNSYLVANIA TECHNIQUES, INC.**
Contact (Report to): **MARTIN G. Iggallan** Phone: **570.487.1959**
Address: **723 MAIN STREET
ARCHBAID PA 18403**

Bill to (if different than Report to):
PO#:
Project Name/ID: **Rush-N-Park #001 / 25112 ALS Quote #:**
TAT: ☒ Normal Standard TAT is 10-12 business days. Date Required:
☐ Rush-Subject to ALS approval and surcharges. Approved By:

Email? ☒ Y ☐ N Fax? ☒ Y ☐ N
Project Comments: **MS. Iggallan@protectives.com**

Sample Description/Location (as it will appear on the lab report)	COC Comments	Sample Date	Military Time
1 112-0222-0W1		02-22-17	0918
2 112-0222-0W2		02-22-17	0931
3			
4			
5			
6			
7			
8			

SAMPLER'S (Please Print):			
KAVIN GURBA PA TECHNIQUES			
Relinquished By / Company Name	Date	Time	Received By / Company Name
<i>[Signature]</i>	02-23-17	1400	2 <i>[Signature]</i> 8110 0423 1764
3			4 <i>[Signature]</i> 8110 0423 1764
5			6 <i>[Signature]</i> 8110 0423 1764
7			8
9			10

Container Type CG	Container Size 40ml	Preservative HCL	ANALYSES/METHOD REQUESTED
Enter Number of Containers Per Analysis 224/17			Notes: No. of Coolers: Therm ID: 17604 Cooler Temp: 5
Correct container? ☒ Y ☐ N Correct sample volume? ☒ Y ☐ N Correct preservation? ☒ Y ☐ N Headspace/Volatiles? ☒ Y ☐ N COC Labels completed/accurate? ☒ Y ☐ N Received on ice? ☒ Y ☐ N (if present) Seals intact? ☒ Y ☐ N Custody seals present? ☒ Y ☐ N Container in good condition? ☒ Y ☐ N			ALS FIELD SERVICES ☐ Petus ☐ Labor ☐ Composite Sampling ☐ Rental Equipment ☐ Other:

APPENDIX R-7

Groundwater Analytical Data Sheets

May 2017 Groundwater Sampling Activities

May 11, 2017

Mr. Marty Gilgallon
PA Tectonics
723 Main Street
Archbald, PA 18403

Certificate of Analysis

Revised Report - 5/11/2017 11:13:32 AM - See workorder comment section for explanation

Project Name:	Pump-n-Pantry #001-Prog.#25112	Workorder:	2227455
Purchase Order:		Workorder ID:	Pump-n-Pantry #001-Prog.#25112

Dear Mr. Gilgallon:

Enclosed are the analytical results for samples received by the laboratory on Thursday, May 4, 2017.

The ALS Environmental laboratory in Middletown, Pennsylvania is a National Environmental Laboratory Accreditation Program (NELAP) accredited laboratory and as such, certifies that all applicable test results meet the requirements of NELAP.

If you have any questions regarding this certificate of analysis, please contact Ms. Amy K Borden (Project Coordinator) at (717) 944-5541.

Analyses were performed according to our laboratory's NELAP-approved quality assurance program and any applicable state requirements. The test results meet requirements of the current NELAP standards or state requirements, where applicable. For a specific list of accredited analytes, refer to the certifications section of the ALS website at www.alsglobal.com/en/Our-Services/Life-Sciences/Environmental/Downloads.

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Ms. Amy K Borden
Project Coordinator

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**SAMPLE SUMMARY**

Workorder: 2227455 Pump-n-Pantry #001-Prog.#25112

Lab ID	Sample ID	Matrix	Date Collected	Date Received	Collected By
2227455001	112-0501-MW1	Ground Water	5/1/2017 15:30	5/4/2017 08:45	Collected by Client
2227455002	112-0501-MW2	Ground Water	5/2/2017 14:39	5/4/2017 08:45	Collected by Client
2227455003	112-0501-MW3	Ground Water	5/2/2017 14:03	5/4/2017 08:45	Collected by Client
2227455004	112-0501-MW4	Ground Water	5/2/2017 13:20	5/4/2017 08:45	Collected by Client
2227455005	112-0501-MW5	Ground Water	5/2/2017 15:22	5/4/2017 08:45	Collected by Client
2227455006	112-0501-MW6	Ground Water	5/1/2017 14:32	5/4/2017 08:45	Collected by Client
2227455007	112-0501-MW7	Ground Water	5/2/2017 09:17	5/4/2017 08:45	Collected by Client
2227455008	112-0501-MW8	Ground Water	5/2/2017 11:17	5/4/2017 08:45	Collected by Client
2227455009	112-0501-MW9	Ground Water	5/2/2017 10:21	5/4/2017 08:45	Collected by Client
2227455010	112-0501-MW10	Ground Water	5/2/2017 11:52	5/4/2017 08:45	Collected by Client
2227455011	112-0501-FB1	Ground Water	5/1/2017 15:37	5/4/2017 08:45	Collected by Client

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SAMPLE SUMMARY

Workorder: 2227455 Pump-n-Pantry #001-Prog.#25112

Notes

- Samples collected by ALS personnel are done so in accordance with the procedures set forth in the ALS Field Sampling Plan (20 - Field Services Sampling Plan).
- All Waste Water analyses comply with methodology requirements of 40 CFR Part 136.
- All Drinking Water analyses comply with methodology requirements of 40 CFR Part 141.
- Unless otherwise noted, all quantitative results for soils are reported on a dry weight basis.
- The Chain of Custody document is included as part of this report.
- All Library Search analytes should be regarded as tentative identifications based on the presumptive evidence of the mass spectra. Concentrations reported are estimated values.
- Parameters identified as "analyze immediately" require analysis within 15 minutes of collection. Any "analyze immediately" parameters not listed under the header "Field Parameters" are performed in the laboratory and are therefore analyzed out of hold time.
- Method references listed on this report beginning with the prefix "S" followed by a method number (such as S2310B-97) refer to methods from "Standard Methods for the Examination of Water and Wastewater".
- For microbiological analyses, the "Prepared" value is the date/time into the incubator and the "Analyzed" value is the date/time out the incubator.

Standard Acronyms/Flags

J	Indicates an estimated value between the Method Detection Limit (MDL) and the Practical Quantitation Limit (PQL) for the analyte
U	Indicates that the analyte was Not Detected (ND)
N	Indicates presumptive evidence of the presence of a compound
MDL	Method Detection Limit
PQL	Practical Quantitation Limit
RDL	Reporting Detection Limit
ND	Not Detected - indicates that the analyte was Not Detected at the RDL
Cntr	Analysis was performed using this container
RegLmt	Regulatory Limit
LCS	Laboratory Control Sample
MS	Matrix Spike
MSD	Matrix Spike Duplicate
DUP	Sample Duplicate
%Rec	Percent Recovery
RPD	Relative Percent Difference
LOD	DoD Limit of Detection
LOQ	DoD Limit of Quantitation
DL	DoD Detection Limit
I	Indicates reported value is greater than or equal to the Method Detection Limit (MDL) but less than the Report Detection Limit (RDL)
(S)	Surrogate Compound
NC	Not Calculated
*	Result outside of QC limits

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PROJECT SUMMARY

Workorder: 2227455 Pump-n-Pantry #001-Prog.#25112

Workorder Comments

Revised to change WO ID per client email on 5/11/17. SMW

Sample Comments

Lab ID: 2227455002 **Sample ID:** 112-0501-MW2 **Sample Type:** SAMPLE

The GCMS volatiles analysis was performed at a dilution due to the level of target compounds.

Lab ID: 2227455003 **Sample ID:** 112-0501-MW3 **Sample Type:** SAMPLE

The GCMS volatiles analysis was performed at a dilution due to the level of target compounds.

Lab ID: 2227455004 **Sample ID:** 112-0501-MW4 **Sample Type:** SAMPLE

The GCMS volatiles analysis was performed at a dilution due to the level of target compounds.

Lab ID: 2227455005 **Sample ID:** 112-0501-MW5 **Sample Type:** SAMPLE

The GCMS volatiles analysis was performed at a dilution due to the level of target compounds.

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Vancouver Waterloo · Winnipeg · Yellowknife **United States:** Cincinnati · Everett · Fort Collins · Holland · Houston · Middletown · Salt Lake City · Spring City · York **Mexico:** Monterrey

**ANALYTICAL RESULTS**

Workorder: 2227455 Pump-n-Pantry #001-Prog.#25112

Lab ID: 2227455001
Sample ID: 112-0501-MW1Date Collected: 5/1/2017 15:30
Date Received: 5/4/2017 08:45

Matrix: Ground Water

Parameters	Results	Flag	Units	RDL	Method	Prepared	By	Analyzed	By	Cntr
VOLATILE ORGANICS										
Benzene	ND		ug/L	1.0	SW846 8260B			5/8/17 17:54	TMP	A
Ethylbenzene	ND		ug/L	1.0	SW846 8260B			5/8/17 17:54	TMP	A
Isopropylbenzene	ND		ug/L	1.0	SW846 8260B			5/8/17 17:54	TMP	A
Methyl t-Butyl Ether	ND		ug/L	1.0	SW846 8260B			5/8/17 17:54	TMP	A
Naphthalene	ND		ug/L	2.0	SW846 8260B			5/8/17 17:54	TMP	A
Toluene	ND		ug/L	1.0	SW846 8260B			5/8/17 17:54	TMP	A
Total Xylenes	ND		ug/L	3.0	SW846 8260B			5/8/17 17:54	TMP	A
1,2,4-Trimethylbenzene	ND		ug/L	1.0	SW846 8260B			5/8/17 17:54	TMP	A
1,3,5-Trimethylbenzene	ND		ug/L	1.0	SW846 8260B			5/8/17 17:54	TMP	A
<i>Surrogate Recoveries</i>	<i>Results</i>	<i>Flag</i>	<i>Units</i>	<i>Limits</i>	<i>Method</i>	<i>Prepared</i>	<i>By</i>	<i>Analyzed</i>	<i>By</i>	<i>Cntr</i>
1,2-Dichloroethane-d4 (S)	92.8		%	62 - 133	SW846 8260B			5/8/17 17:54	TMP	A
4-Bromofluorobenzene (S)	106		%	79 - 114	SW846 8260B			5/8/17 17:54	TMP	A
Dibromofluoromethane (S)	106		%	78 - 116	SW846 8260B			5/8/17 17:54	TMP	A
Toluene-d8 (S)	107		%	76 - 127	SW846 8260B			5/8/17 17:54	TMP	A

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ANALYTICAL RESULTS

Workorder: 2227455 Pump-n-Pantry #001-Prog.#25112

Lab ID: 2227455002
Sample ID: 112-0501-MW2

Date Collected: 5/2/2017 14:39
Date Received: 5/4/2017 08:45

Matrix: Ground Water

Parameters	Results	Flag	Units	RDL	Method	Prepared	By	Analyzed	By	Cntr
VOLATILE ORGANICS										
Benzene	612		ug/L	5.0	SW846 8260B			5/8/17 18:12	TMP	A
Ethylbenzene	659		ug/L	5.0	SW846 8260B			5/8/17 18:12	TMP	A
Isopropylbenzene	27.2		ug/L	5.0	SW846 8260B			5/8/17 18:12	TMP	A
Methyl t-Butyl Ether	ND		ug/L	5.0	SW846 8260B			5/8/17 18:12	TMP	A
Naphthalene	43.2		ug/L	10.0	SW846 8260B			5/8/17 18:12	TMP	A
Toluene	21.0		ug/L	5.0	SW846 8260B			5/8/17 18:12	TMP	A
Total Xylenes	439		ug/L	15.0	SW846 8260B			5/8/17 18:12	TMP	A
1,2,4-Trimethylbenzene	429		ug/L	5.0	SW846 8260B			5/8/17 18:12	TMP	A
1,3,5-Trimethylbenzene	ND		ug/L	5.0	SW846 8260B			5/8/17 18:12	TMP	A
<i>Surrogate Recoveries</i>	<i>Results</i>	<i>Flag</i>	<i>Units</i>	<i>Limits</i>	<i>Method</i>	<i>Prepared</i>	<i>By</i>	<i>Analyzed</i>	<i>By</i>	<i>Cntr</i>
1,2-Dichloroethane-d4 (S)	88.6		%	62 - 133	SW846 8260B			5/8/17 18:12	TMP	A
4-Bromofluorobenzene (S)	99		%	79 - 114	SW846 8260B			5/8/17 18:12	TMP	A
Dibromofluoromethane (S)	101		%	78 - 116	SW846 8260B			5/8/17 18:12	TMP	A
Toluene-d8 (S)	102		%	76 - 127	SW846 8260B			5/8/17 18:12	TMP	A

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ANALYTICAL RESULTS

Workorder: 2227455 Pump-n-Pantry #001-Prog.#25112

Lab ID: **2227455003**
Sample ID: **112-0501-MW3**

Date Collected: 5/2/2017 14:03 Matrix: Ground Water
Date Received: 5/4/2017 08:45

Parameters	Results	Flag	Units	RDL	Method	Prepared	By	Analyzed	By	Cntr
VOLATILE ORGANICS										
Benzene	122		ug/L	5.0	SW846 8260B			5/8/17 18:31	TMP	A
Ethylbenzene	374		ug/L	5.0	SW846 8260B			5/8/17 18:31	TMP	A
Isopropylbenzene	23.0		ug/L	5.0	SW846 8260B			5/8/17 18:31	TMP	A
Methyl t-Butyl Ether	ND		ug/L	5.0	SW846 8260B			5/8/17 18:31	TMP	A
Naphthalene	21.8		ug/L	10.0	SW846 8260B			5/8/17 18:31	TMP	A
Toluene	9.5		ug/L	5.0	SW846 8260B			5/8/17 18:31	TMP	A
Total Xylenes	69.1		ug/L	15.0	SW846 8260B			5/8/17 18:31	TMP	A
1,2,4-Trimethylbenzene	57.6		ug/L	5.0	SW846 8260B			5/8/17 18:31	TMP	A
1,3,5-Trimethylbenzene	ND		ug/L	5.0	SW846 8260B			5/8/17 18:31	TMP	A
<i>Surrogate Recoveries</i>	<i>Results</i>	<i>Flag</i>	<i>Units</i>	<i>Limits</i>	<i>Method</i>	<i>Prepared</i>	<i>By</i>	<i>Analyzed</i>	<i>By</i>	<i>Cntr</i>
1,2-Dichloroethane-d4 (S)	87.3		%	62 - 133	SW846 8260B			5/8/17 18:31	TMP	A
4-Bromofluorobenzene (S)	104		%	79 - 114	SW846 8260B			5/8/17 18:31	TMP	A
Dibromofluoromethane (S)	103		%	78 - 116	SW846 8260B			5/8/17 18:31	TMP	A
Toluene-d8 (S)	104		%	76 - 127	SW846 8260B			5/8/17 18:31	TMP	A



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ANALYTICAL RESULTS

Workorder: 2227455 Pump-n-Pantry #001-Prog.#25112

Lab ID: **2227455004**
Sample ID: **112-0501-MW4**

Date Collected: 5/2/2017 13:20 Matrix: Ground Water
Date Received: 5/4/2017 08:45

Parameters	Results	Flag	Units	RDL	Method	Prepared	By	Analyzed	By	Cntr
VOLATILE ORGANICS										
Benzene	320		ug/L	5.0	SW846 8260B			5/8/17 18:49	TMP	A
Ethylbenzene	251		ug/L	5.0	SW846 8260B			5/8/17 18:49	TMP	A
Isopropylbenzene	32.6		ug/L	5.0	SW846 8260B			5/8/17 18:49	TMP	A
Methyl t-Butyl Ether	ND		ug/L	5.0	SW846 8260B			5/8/17 18:49	TMP	A
Naphthalene	16.6		ug/L	10.0	SW846 8260B			5/8/17 18:49	TMP	A
Toluene	21.0		ug/L	5.0	SW846 8260B			5/8/17 18:49	TMP	A
Total Xylenes	58.0		ug/L	15.0	SW846 8260B			5/8/17 18:49	TMP	A
1,2,4-Trimethylbenzene	27.1		ug/L	5.0	SW846 8260B			5/8/17 18:49	TMP	A
1,3,5-Trimethylbenzene	ND		ug/L	5.0	SW846 8260B			5/8/17 18:49	TMP	A
<i>Surrogate Recoveries</i>	<i>Results</i>	<i>Flag</i>	<i>Units</i>	<i>Limits</i>	<i>Method</i>	<i>Prepared</i>	<i>By</i>	<i>Analyzed</i>	<i>By</i>	<i>Cntr</i>
1,2-Dichloroethane-d4 (S)	88.6		%	62 - 133	SW846 8260B			5/8/17 18:49	TMP	A
4-Bromofluorobenzene (S)	107		%	79 - 114	SW846 8260B			5/8/17 18:49	TMP	A
Dibromofluoromethane (S)	102		%	78 - 116	SW846 8260B			5/8/17 18:49	TMP	A
Toluene-d8 (S)	103		%	76 - 127	SW846 8260B			5/8/17 18:49	TMP	A



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ANALYTICAL RESULTS

Workorder: 2227455 Pump-n-Pantry #001-Prog.#25112

Lab ID: **2227455005**
Sample ID: **112-0501-MW5**

Date Collected: 5/2/2017 15:22 Matrix: Ground Water
Date Received: 5/4/2017 08:45

Parameters	Results	Flag	Units	RDL	Method	Prepared	By	Analyzed	By	Cntr
VOLATILE ORGANICS										
Benzene	133		ug/L	5.0	SW846 8260B			5/9/17 02:19	CJG	A
Ethylbenzene	200		ug/L	5.0	SW846 8260B			5/9/17 02:19	CJG	A
Isopropylbenzene	20.0		ug/L	5.0	SW846 8260B			5/9/17 02:19	CJG	A
Methyl t-Butyl Ether	ND		ug/L	5.0	SW846 8260B			5/9/17 02:19	CJG	A
Naphthalene	23.0		ug/L	10.0	SW846 8260B			5/9/17 02:19	CJG	A
Toluene	ND		ug/L	5.0	SW846 8260B			5/9/17 02:19	CJG	A
Total Xylenes	33.9		ug/L	15.0	SW846 8260B			5/9/17 02:19	CJG	A
1,2,4-Trimethylbenzene	64.9		ug/L	5.0	SW846 8260B			5/9/17 02:19	CJG	A
1,3,5-Trimethylbenzene	ND		ug/L	5.0	SW846 8260B			5/9/17 02:19	CJG	A
<i>Surrogate Recoveries</i>	<i>Results</i>	<i>Flag</i>	<i>Units</i>	<i>Limits</i>	<i>Method</i>	<i>Prepared</i>	<i>By</i>	<i>Analyzed</i>	<i>By</i>	<i>Cntr</i>
1,2-Dichloroethane-d4 (S)	93.8		%	62 - 133	SW846 8260B			5/9/17 02:19	CJG	A
4-Bromofluorobenzene (S)	103		%	79 - 114	SW846 8260B			5/9/17 02:19	CJG	A
Dibromofluoromethane (S)	108		%	78 - 116	SW846 8260B			5/9/17 02:19	CJG	A
Toluene-d8 (S)	106		%	76 - 127	SW846 8260B			5/9/17 02:19	CJG	A



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ANALYTICAL RESULTS

Workorder: 2227455 Pump-n-Pantry #001-Prog.#25112

Lab ID: **2227455006**
Sample ID: **112-0501-MW6**

Date Collected: 5/1/2017 14:32 Matrix: Ground Water
Date Received: 5/4/2017 08:45

Parameters	Results	Flag	Units	RDL	Method	Prepared	By	Analyzed	By	Cntr
VOLATILE ORGANICS										
Benzene	ND		ug/L	1.0	SW846 8260B			5/10/17 04:51	CJG	B
Ethylbenzene	ND		ug/L	1.0	SW846 8260B			5/10/17 04:51	CJG	B
Isopropylbenzene	ND		ug/L	1.0	SW846 8260B			5/10/17 04:51	CJG	B
Methyl t-Butyl Ether	ND		ug/L	1.0	SW846 8260B			5/10/17 04:51	CJG	B
Naphthalene	ND		ug/L	2.0	SW846 8260B			5/10/17 04:51	CJG	B
Toluene	ND		ug/L	1.0	SW846 8260B			5/10/17 04:51	CJG	B
Total Xylenes	ND		ug/L	3.0	SW846 8260B			5/10/17 04:51	CJG	B
1,2,4-Trimethylbenzene	ND		ug/L	1.0	SW846 8260B			5/10/17 04:51	CJG	B
1,3,5-Trimethylbenzene	ND		ug/L	1.0	SW846 8260B			5/10/17 04:51	CJG	B
<i>Surrogate Recoveries</i>	<i>Results</i>	<i>Flag</i>	<i>Units</i>	<i>Limits</i>	<i>Method</i>	<i>Prepared</i>	<i>By</i>	<i>Analyzed</i>	<i>By</i>	<i>Cntr</i>
1,2-Dichloroethane-d4 (S)	89.1		%	62 - 133	SW846 8260B			5/10/17 04:51	CJG	B
4-Bromofluorobenzene (S)	104		%	79 - 114	SW846 8260B			5/10/17 04:51	CJG	B
Dibromofluoromethane (S)	95.2		%	78 - 116	SW846 8260B			5/10/17 04:51	CJG	B
Toluene-d8 (S)	102		%	76 - 127	SW846 8260B			5/10/17 04:51	CJG	B



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ANALYTICAL RESULTS

Workorder: 2227455 Pump-n-Pantry #001-Prog.#25112

Lab ID: **2227455007**
Sample ID: **112-0501-MW7**

Date Collected: 5/2/2017 09:17 Matrix: Ground Water
Date Received: 5/4/2017 08:45

Parameters	Results	Flag	Units	RDL	Method	Prepared	By	Analyzed	By	Cntr
VOLATILE ORGANICS										
Benzene	ND		ug/L	1.0	SW846 8260B			5/9/17 02:55	CJG	A
Ethylbenzene	ND		ug/L	1.0	SW846 8260B			5/9/17 02:55	CJG	A
Isopropylbenzene	ND		ug/L	1.0	SW846 8260B			5/9/17 02:55	CJG	A
Methyl t-Butyl Ether	ND		ug/L	1.0	SW846 8260B			5/9/17 02:55	CJG	A
Naphthalene	ND		ug/L	2.0	SW846 8260B			5/9/17 02:55	CJG	A
Toluene	ND		ug/L	1.0	SW846 8260B			5/9/17 02:55	CJG	A
Total Xylenes	ND		ug/L	3.0	SW846 8260B			5/9/17 02:55	CJG	A
1,2,4-Trimethylbenzene	ND		ug/L	1.0	SW846 8260B			5/9/17 02:55	CJG	A
1,3,5-Trimethylbenzene	ND		ug/L	1.0	SW846 8260B			5/9/17 02:55	CJG	A
<i>Surrogate Recoveries</i>	<i>Results</i>	<i>Flag</i>	<i>Units</i>	<i>Limits</i>	<i>Method</i>	<i>Prepared</i>	<i>By</i>	<i>Analyzed</i>	<i>By</i>	<i>Cntr</i>
1,2-Dichloroethane-d4 (S)	94		%	62 - 133	SW846 8260B			5/9/17 02:55	CJG	A
4-Bromofluorobenzene (S)	109		%	79 - 114	SW846 8260B			5/9/17 02:55	CJG	A
Dibromofluoromethane (S)	108		%	78 - 116	SW846 8260B			5/9/17 02:55	CJG	A
Toluene-d8 (S)	106		%	76 - 127	SW846 8260B			5/9/17 02:55	CJG	A



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ANALYTICAL RESULTS

Workorder: 2227455 Pump-n-Pantry #001-Prog.#25112

Lab ID: **2227455008**
Sample ID: **112-0501-MW8**

Date Collected: 5/2/2017 11:17 Matrix: Ground Water
Date Received: 5/4/2017 08:45

Parameters	Results	Flag	Units	RDL	Method	Prepared	By	Analyzed	By	Cntr
VOLATILE ORGANICS										
Benzene	ND		ug/L	1.0	SW846 8260B			5/9/17 03:13	CJG	A
Ethylbenzene	ND		ug/L	1.0	SW846 8260B			5/9/17 03:13	CJG	A
Isopropylbenzene	ND		ug/L	1.0	SW846 8260B			5/9/17 03:13	CJG	A
Methyl t-Butyl Ether	ND		ug/L	1.0	SW846 8260B			5/9/17 03:13	CJG	A
Naphthalene	ND		ug/L	2.0	SW846 8260B			5/9/17 03:13	CJG	A
Toluene	ND		ug/L	1.0	SW846 8260B			5/9/17 03:13	CJG	A
Total Xylenes	ND		ug/L	3.0	SW846 8260B			5/9/17 03:13	CJG	A
1,2,4-Trimethylbenzene	ND		ug/L	1.0	SW846 8260B			5/9/17 03:13	CJG	A
1,3,5-Trimethylbenzene	ND		ug/L	1.0	SW846 8260B			5/9/17 03:13	CJG	A
<i>Surrogate Recoveries</i>	<i>Results</i>	<i>Flag</i>	<i>Units</i>	<i>Limits</i>	<i>Method</i>	<i>Prepared</i>	<i>By</i>	<i>Analyzed</i>	<i>By</i>	<i>Cntr</i>
1,2-Dichloroethane-d4 (S)	92.7		%	62 - 133	SW846 8260B			5/9/17 03:13	CJG	A
4-Bromofluorobenzene (S)	103		%	79 - 114	SW846 8260B			5/9/17 03:13	CJG	A
Dibromofluoromethane (S)	104		%	78 - 116	SW846 8260B			5/9/17 03:13	CJG	A
Toluene-d8 (S)	106		%	76 - 127	SW846 8260B			5/9/17 03:13	CJG	A



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ANALYTICAL RESULTS

Workorder: 2227455 Pump-n-Pantry #001-Prog.#25112

Lab ID: 2227455009
Sample ID: 112-0501-MW9

Date Collected: 5/2/2017 10:21
Date Received: 5/4/2017 08:45

Matrix: Ground Water

Parameters	Results	Flag	Units	RDL	Method	Prepared	By	Analyzed	By	Cntr
VOLATILE ORGANICS										
Benzene	ND		ug/L	1.0	SW846 8260B			5/9/17 03:32	CJG	A
Ethylbenzene	ND		ug/L	1.0	SW846 8260B			5/9/17 03:32	CJG	A
Isopropylbenzene	ND		ug/L	1.0	SW846 8260B			5/9/17 03:32	CJG	A
Methyl t-Butyl Ether	ND		ug/L	1.0	SW846 8260B			5/9/17 03:32	CJG	A
Naphthalene	ND		ug/L	2.0	SW846 8260B			5/9/17 03:32	CJG	A
Toluene	ND		ug/L	1.0	SW846 8260B			5/9/17 03:32	CJG	A
Total Xylenes	ND		ug/L	3.0	SW846 8260B			5/9/17 03:32	CJG	A
1,2,4-Trimethylbenzene	ND		ug/L	1.0	SW846 8260B			5/9/17 03:32	CJG	A
1,3,5-Trimethylbenzene	ND		ug/L	1.0	SW846 8260B			5/9/17 03:32	CJG	A
<i>Surrogate Recoveries</i>	<i>Results</i>	<i>Flag</i>	<i>Units</i>	<i>Limits</i>	<i>Method</i>	<i>Prepared</i>	<i>By</i>	<i>Analyzed</i>	<i>By</i>	<i>Cntr</i>
1,2-Dichloroethane-d4 (S)	93.9		%	62 - 133	SW846 8260B			5/9/17 03:32	CJG	A
4-Bromofluorobenzene (S)	105		%	79 - 114	SW846 8260B			5/9/17 03:32	CJG	A
Dibromofluoromethane (S)	108		%	78 - 116	SW846 8260B			5/9/17 03:32	CJG	A
Toluene-d8 (S)	106		%	76 - 127	SW846 8260B			5/9/17 03:32	CJG	A

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ANALYTICAL RESULTS

Workorder: 2227455 Pump-n-Pantry #001-Prog.#25112

Lab ID: **2227455010**
Sample ID: **112-0501-MW10**

Date Collected: 5/2/2017 11:52 Matrix: Ground Water
Date Received: 5/4/2017 08:45

Parameters	Results	Flag	Units	RDL	Method	Prepared	By	Analyzed	By	Cntr
VOLATILE ORGANICS										
Benzene	ND		ug/L	1.0	SW846 8260B			5/9/17 03:50	CJG	A
Ethylbenzene	ND		ug/L	1.0	SW846 8260B			5/9/17 03:50	CJG	A
Isopropylbenzene	ND		ug/L	1.0	SW846 8260B			5/9/17 03:50	CJG	A
Methyl t-Butyl Ether	ND		ug/L	1.0	SW846 8260B			5/9/17 03:50	CJG	A
Naphthalene	ND		ug/L	2.0	SW846 8260B			5/9/17 03:50	CJG	A
Toluene	ND		ug/L	1.0	SW846 8260B			5/9/17 03:50	CJG	A
Total Xylenes	ND		ug/L	3.0	SW846 8260B			5/9/17 03:50	CJG	A
1,2,4-Trimethylbenzene	ND		ug/L	1.0	SW846 8260B			5/9/17 03:50	CJG	A
1,3,5-Trimethylbenzene	ND		ug/L	1.0	SW846 8260B			5/9/17 03:50	CJG	A
<i>Surrogate Recoveries</i>	<i>Results</i>	<i>Flag</i>	<i>Units</i>	<i>Limits</i>	<i>Method</i>	<i>Prepared</i>	<i>By</i>	<i>Analyzed</i>	<i>By</i>	<i>Cntr</i>
1,2-Dichloroethane-d4 (S)	92.9		%	62 - 133	SW846 8260B			5/9/17 03:50	CJG	A
4-Bromofluorobenzene (S)	100		%	79 - 114	SW846 8260B			5/9/17 03:50	CJG	A
Dibromofluoromethane (S)	105		%	78 - 116	SW846 8260B			5/9/17 03:50	CJG	A
Toluene-d8 (S)	106		%	76 - 127	SW846 8260B			5/9/17 03:50	CJG	A



Ms. Amy K Borden
Project Coordinator

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ANALYTICAL RESULTS

Workorder: 2227455 Pump-n-Pantry #001-Prog.#25112

Lab ID: **2227455011**
Sample ID: **112-0501-FB1**

Date Collected: 5/1/2017 15:37 Matrix: Ground Water
Date Received: 5/4/2017 08:45

Parameters	Results	Flag	Units	RDL	Method	Prepared	By	Analyzed	By	Cntr
VOLATILE ORGANICS										
Benzene	ND		ug/L	1.0	SW846 8260B			5/8/17 22:22	CJG	A
Ethylbenzene	ND		ug/L	1.0	SW846 8260B			5/8/17 22:22	CJG	A
Isopropylbenzene	ND		ug/L	1.0	SW846 8260B			5/8/17 22:22	CJG	A
Methyl t-Butyl Ether	ND		ug/L	1.0	SW846 8260B			5/8/17 22:22	CJG	A
Naphthalene	ND		ug/L	2.0	SW846 8260B			5/8/17 22:22	CJG	A
Toluene	ND		ug/L	1.0	SW846 8260B			5/8/17 22:22	CJG	A
Total Xylenes	ND		ug/L	3.0	SW846 8260B			5/8/17 22:22	CJG	A
1,2,4-Trimethylbenzene	ND		ug/L	1.0	SW846 8260B			5/8/17 22:22	CJG	A
1,3,5-Trimethylbenzene	ND		ug/L	1.0	SW846 8260B			5/8/17 22:22	CJG	A
<i>Surrogate Recoveries</i>	<i>Results</i>	<i>Flag</i>	<i>Units</i>	<i>Limits</i>	<i>Method</i>	<i>Prepared</i>	<i>By</i>	<i>Analyzed</i>	<i>By</i>	<i>Cntr</i>
1,2-Dichloroethane-d4 (S)	90.4		%	62 - 133	SW846 8260B			5/8/17 22:22	CJG	A
4-Bromofluorobenzene (S)	104		%	79 - 114	SW846 8260B			5/8/17 22:22	CJG	A
Dibromofluoromethane (S)	108		%	78 - 116	SW846 8260B			5/8/17 22:22	CJG	A
Toluene-d8 (S)	103		%	76 - 127	SW846 8260B			5/8/17 22:22	CJG	A



Ms. Amy K Borden
Project Coordinator

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F. 717-944-1430

CHAIN OF CUSTODY/ REQUEST FOR ANALYSIS

ALL SHADDED AREAS MUST BE COMPLETED BY THE CLIENT /
SAMPLER. INSTRUCTIONS ON THE BACK.

Page 1 of 2
Counter: **150-3x**
Tracking #: **8113 1101**
5979



Co. Name: **PENNSYLVANIA TECTONICS INC**

Contact (Person to): **MARTIN GILGALLON**

Address: **723 MAIN STREET**

ARCHBALD PA 18423

Phone: **570-487-1959**

Bill to (if different than Report to):

PO#: _____

Project Name#: **PUMP-N-PUR 001 / 25112 ALS Quote #:**

TAT: ☒ Normal Standard TAT is 10-12 business days.
☐ Rush-Subject to ALS approval and surcharges.

Email? ☒ Y No: _____
Fax? ☐ Y No: _____

Sample Description/Location (as it will appear on the lab report)	COC Comments	Sample Date	Military Time
1 112-0501-MW1		5.1.17	1530
2 112-0501-MW2		5.2.17	1439
3 112-0501-MW3		5.2.17	1403
4 112-0501-MW4		5.2.17	1320
5 112-0501-MW5		5.2.17	1522
6 112-0501-MW6		5.1.17	1432
7 112-0501-MW7		5.2.17	0917
8 112-0501-MW8		5.2.17	1117

SAMPLED BY (Please Print):

KEYIN GUADA / PATTONS

Relinquished By / Company Name

Date

Time

Received By / Company Name

Date

Time

Received By / Company Name

Date

Time

1 **Keyin Guada / Patton's**

5.3.17

1100

2 **Keyin Guada / Patton's**

5.3.17

1100

3 **Keyin Guada / Patton's**

5.4.17

0815

4 **Keyin Guada / Patton's**

5.4.17

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5 **Keyin Guada / Patton's**

5.4.17

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6 **Keyin Guada / Patton's**

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21 **Keyin Guada / Patton's**

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22 **Keyin Guada / Patton's**

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0815

23 **Keyin Guada / Patton's**

5.4.17

0815

24 **Keyin Guada / Patton's**

5.4.17

0815

ANALYSES/METHOD REQUESTED

Container Type	Size	Preservative
CG	40ml	Hcl

Enter Number of Containers Per Analysis	Matrix	% or C
2	Unlabeled Gasoline	6
2		6
2		6
2		6
2		6
2		6
2		6
2		6

Correct containers?	Correct sample volume?	Correct preservation?	Headspace/Volatiles	Container in good condition?
Y	Y	Y	Y	Y
Y	Y	Y	Y	Y
Y	Y	Y	Y	Y
Y	Y	Y	Y	Y
Y	Y	Y	Y	Y
Y	Y	Y	Y	Y
Y	Y	Y	Y	Y

ALS FIELD SERVICES	SDWA	State Samples	EDS	DOD Criteria Required?
Pickup	Formed? ☒ Standard ☐ CLP-like ☐ NJ-Reduced ☐ NJ-Full	Collected in? ☐ MD ☐ NJ ☐ NY ☒ PA	Required? ☐ If yes, format type: Other	

Notes: _____
No. of Coolers: 1
Therm. ID: 313
Cooler Temp: _____
Preserved by: _____
Circle appropriate Y or N.

Matrix: Air=Air; DW=Drinking Water; GW=Groundwater; Oil=Oil; OL=Other Liquid; SL=Sludge; SO=Soil; WP=Wipe; WW=Wastewater
Container Type: AG=Amber Glass; CG=Clear Glass; PL=Plastic. Container Size: 250ml, 500ml, 1L, 5oz, etc. Preservative: HCl, HNO3, NaOH, etc.



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CHAIN OF CUSTODY/ REQUEST FOR ANALYSIS

ALL SHARED AREAS MUST BE COMPLETED BY THE CLIENT /
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-Environmental-

Co. Name: **PENNSYLVANIA TECTONICS INC**
Contact (Report to): **MARTIN GILGALLON** Phone: **570-487-1959**
Address: **723 MAIN STREET**
ARCHBALD PA 18403.

Bill to (if different than Report to):

PO#:

Project Name#: **PUP-N-Rate #001 / 25112 ALS Quote #:**

TAT: ☒ Normal-Standard TAT is 10-12 business days. Data Required:
☐ Rush-Subject to ALS approval and surcharges. Approved By:

Email? ☒ Y ☐ N **mgilgallon@patectonics.com**
Fax? ☐ Y ☐ N

Sample Description/Location
(as it will appear on the lab report)

Y No:

COC Comments

Sample Date

Military Time

1 112-OS01 - MW9

5.2.17 1021

6 60 2

2 112-OS01 - MW10

5.2.17 1152

6 60 2

3 112-OS01 - FB1

5.1.17 1537

6 DE 2

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SAMPLED BY (Please Print):

KEVIN GILGALLON / PAT TECTONICS

Relinquished By / Company Name

Date

Time

Received By / Company Name

Date

Time

1 112-OS01 - MW9

5.3.17 1100

2 112-OS01 - MW10

5.3.17 1100

AS 5.17.17 1100

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May 11, 2017

Mr. Marty Gilgallon
PA Tectonics
723 Main Street
Archbald, PA 18403

Certificate of Analysis

Revised Report - 5/11/2017 11:11:16 AM - See workorder comment section for explanation

Project Name:	Pump-n-Pantry #001-Proj.#25112	Workorder:	2227456
Purchase Order:		Workorder ID:	Pump-n-Pantry #001-Proj.#25112

Dear Mr. Gilgallon:

Enclosed are the analytical results for samples received by the laboratory on Thursday, May 4, 2017.

The ALS Environmental laboratory in Middletown, Pennsylvania is a National Environmental Laboratory Accreditation Program (NELAP) accredited laboratory and as such, certifies that all applicable test results meet the requirements of NELAP.

If you have any questions regarding this certificate of analysis, please contact Ms. Amy K Borden (Project Coordinator) at (717) 944-5541.

Analyses were performed according to our laboratory's NELAP-approved quality assurance program and any applicable state requirements. The test results meet requirements of the current NELAP standards or state requirements, where applicable. For a specific list of accredited analytes, refer to the certifications section of the ALS website at www.alsglobal.com/en/Our-Services/Life-Sciences/Environmental/Downloads.

This laboratory report may not be reproduced, except in full, without the written approval of ALS Environmental.

ALS Spring City: 10 Riverside Drive, Spring City, PA 19475 610-948-4903

Ms. Amy K Borden
Project Coordinator

This page is included as part of the Analytical Report and must be retained as a permanent record thereof.

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**SAMPLE SUMMARY**

Workorder: 2227456 Pump-n-Pantry #001-Proj.#25112

Lab ID	Sample ID	Matrix	Date Collected	Date Received	Collected By
2227456001	112-0501-OW1	Ground Water	5/1/2017 09:57	5/4/2017 08:45	Collected by Client
2227456002	112-0501-OW2	Ground Water	5/1/2017 10:10	5/4/2017 08:45	Collected by Client

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SAMPLE SUMMARY

Workorder: 2227456 Pump-n-Pantry #001-Proj.#25112

Notes

- Samples collected by ALS personnel are done so in accordance with the procedures set forth in the ALS Field Sampling Plan (20 - Field Services Sampling Plan).
- All Waste Water analyses comply with methodology requirements of 40 CFR Part 136.
- All Drinking Water analyses comply with methodology requirements of 40 CFR Part 141.
- Unless otherwise noted, all quantitative results for soils are reported on a dry weight basis.
- The Chain of Custody document is included as part of this report.
- All Library Search analytes should be regarded as tentative identifications based on the presumptive evidence of the mass spectra. Concentrations reported are estimated values.
- Parameters identified as "analyze immediately" require analysis within 15 minutes of collection. Any "analyze immediately" parameters not listed under the header "Field Parameters" are performed in the laboratory and are therefore analyzed out of hold time.
- Method references listed on this report beginning with the prefix "S" followed by a method number (such as S2310B-97) refer to methods from "Standard Methods for the Examination of Water and Wastewater".
- For microbiological analyses, the "Prepared" value is the date/time into the incubator and the "Analyzed" value is the date/time out the incubator.

Standard Acronyms/Flags

J	Indicates an estimated value between the Method Detection Limit (MDL) and the Practical Quantitation Limit (PQL) for the analyte
U	Indicates that the analyte was Not Detected (ND)
N	Indicates presumptive evidence of the presence of a compound
MDL	Method Detection Limit
PQL	Practical Quantitation Limit
RDL	Reporting Detection Limit
ND	Not Detected - indicates that the analyte was Not Detected at the RDL
Cntr	Analysis was performed using this container
RegLmt	Regulatory Limit
LCS	Laboratory Control Sample
MS	Matrix Spike
MSD	Matrix Spike Duplicate
DUP	Sample Duplicate
%Rec	Percent Recovery
RPD	Relative Percent Difference
LOD	DoD Limit of Detection
LOQ	DoD Limit of Quantitation
DL	DoD Detection Limit
I	Indicates reported value is greater than or equal to the Method Detection Limit (MDL) but less than the Report Detection Limit (RDL)
(S)	Surrogate Compound
NC	Not Calculated
*	Result outside of QC limits

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PROJECT SUMMARY

Workorder: 2227456 Pump-n-Pantry #001-Proj.#25112

Workorder Comments

Revised to change WO ID per client email on 5/11/17. SMW

Sample Comments

Lab ID: 2227456001

Sample ID: 112-0501-OW1

Sample Type: SAMPLE

A positive residual chlorine result was detected in the preservation check for the volatile organics analysis of this sample. This may be due to the presence of residual chlorine or another oxidizing agent.

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ANALYTICAL RESULTS

Workorder: 2227456 Pump-n-Pantry #001-Proj.#25112

Lab ID: 2227456001
Sample ID: 112-0501-OW1

Date Collected: 5/1/2017 09:57
Date Received: 5/4/2017 08:45

Matrix: Ground Water

Parameters	Results	Flag	Units	RDL	Method	Prepared	By	Analyzed	By	Cntr
VOLATILE ORGANICS										
Benzene	ND		ug/L	1.0	SW846 8260B			5/9/17 16:08	TMP	B
Ethylbenzene	ND		ug/L	1.0	SW846 8260B			5/9/17 16:08	TMP	B
Isopropylbenzene	ND		ug/L	1.0	SW846 8260B			5/9/17 16:08	TMP	B
Methyl t-Butyl Ether	ND		ug/L	1.0	SW846 8260B			5/9/17 16:08	TMP	B
Naphthalene	ND		ug/L	2.0	SW846 8260B			5/9/17 16:08	TMP	B
Toluene	ND		ug/L	1.0	SW846 8260B			5/9/17 16:08	TMP	B
Total Xylenes	ND		ug/L	3.0	SW846 8260B			5/9/17 16:08	TMP	B
1,2,4-Trimethylbenzene	ND		ug/L	1.0	SW846 8260B			5/9/17 16:08	TMP	B
1,3,5-Trimethylbenzene	ND		ug/L	1.0	SW846 8260B			5/9/17 16:08	TMP	B
<i>Surrogate Recoveries</i>	<i>Results</i>	<i>Flag</i>	<i>Units</i>	<i>Limits</i>	<i>Method</i>	<i>Prepared</i>	<i>By</i>	<i>Analyzed</i>	<i>By</i>	<i>Cntr</i>
1,2-Dichloroethane-d4 (S)	81.9		%	62 - 133	SW846 8260B			5/9/17 16:08	TMP	B
4-Bromofluorobenzene (S)	112		%	79 - 114	SW846 8260B			5/9/17 16:08	TMP	B
Dibromofluoromethane (S)	82.4		%	78 - 116	SW846 8260B			5/9/17 16:08	TMP	B
Toluene-d8 (S)	89		%	76 - 127	SW846 8260B			5/9/17 16:08	TMP	B

Ms. Amy K Borden
Project Coordinator

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**ANALYTICAL RESULTS**

Workorder: 2227456 Pump-n-Pantry #001-Proj.#25112

Lab ID: 2227456002
Sample ID: 112-0501-OW2Date Collected: 5/1/2017 10:10
Date Received: 5/4/2017 08:45

Matrix: Ground Water

Parameters	Results	Flag	Units	RDL	Method	Prepared	By	Analyzed	By	Cntr
VOLATILE ORGANICS										
Benzene	ND		ug/L	1.0	SW846 8260B			5/6/17 04:27	CJG	A
Ethylbenzene	ND		ug/L	1.0	SW846 8260B			5/6/17 04:27	CJG	A
Isopropylbenzene	ND		ug/L	1.0	SW846 8260B			5/6/17 04:27	CJG	A
Methyl t-Butyl Ether	ND		ug/L	1.0	SW846 8260B			5/6/17 04:27	CJG	A
Naphthalene	ND		ug/L	2.0	SW846 8260B			5/6/17 04:27	CJG	A
Toluene	ND		ug/L	1.0	SW846 8260B			5/6/17 04:27	CJG	A
Total Xylenes	ND		ug/L	3.0	SW846 8260B			5/6/17 04:27	CJG	A
1,2,4-Trimethylbenzene	ND		ug/L	1.0	SW846 8260B			5/6/17 04:27	CJG	A
1,3,5-Trimethylbenzene	ND		ug/L	1.0	SW846 8260B			5/6/17 04:27	CJG	A
<i>Surrogate Recoveries</i>	<i>Results</i>	<i>Flag</i>	<i>Units</i>	<i>Limits</i>	<i>Method</i>	<i>Prepared</i>	<i>By</i>	<i>Analyzed</i>	<i>By</i>	<i>Cntr</i>
1,2-Dichloroethane-d4 (S)	96.4		%	62 - 133	SW846 8260B			5/6/17 04:27	CJG	A
4-Bromofluorobenzene (S)	95.1		%	79 - 114	SW846 8260B			5/6/17 04:27	CJG	A
Dibromofluoromethane (S)	84.3		%	78 - 116	SW846 8260B			5/6/17 04:27	CJG	A
Toluene-d8 (S)	91.9		%	76 - 127	SW846 8260B			5/6/17 04:27	CJG	A

Ms. Amy K Borden
Project Coordinator**ALS Environmental Laboratory Locations Across North America**Canada: Burlington · Calgary · Centre of Excellence · Edmonton · Fort McMurray · Fort St. John · Grande Prairie · London · Mississauga · Richmond Hill · Saskatoon · Thunder Bay
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F. 717-944-1430

Environmental

CHAIN OF CUSTODY/ REQUEST FOR ANALYSIS

ALL SHADED AREAS MUST BE COMPLETED BY THE CLIENT /
SAMPLER. INSTRUCTIONS ON THE BACK.

Co. Name: **PENNSYLVANIA TECTONICS INC**
Contact (Report to): **MARTIN GILGALLON** Phone: **570-487-1959**
Address: **723 MAIN STREET**
ARCHBALD PA 18403.

Bill to (if different than Report to):

PO#: _____

Project Name#: **Rump-N-Patch #001 / 2511Z ALS Quote #:**

TAT: ☒ Normal-Standard TAT is 10-12 business days. Date Required: _____
☐ Rush-Subject to ALS approval and surcharges. Approved By: _____

Email? ☒ Y ☐ N No: _____
Fax? ☐ Y ☐ N No: _____

Sample Description/Location
(as it will appear on the lab report)

COC Comments

Sample Date

Military Time

G or C

**Matrix

Enter Number of Containers Per Analysis

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May 11, 2017

Mr. Marty Gilgallon
PA Tectonics
723 Main Street
Archbald, PA 18403

Certificate of Analysis

Revised Report - 5/11/2017 11:14:41 AM - See workorder comment section for explanation

Project Name:	Pump-n-Pantry #001-Proj.#25112	Workorder:	2227457
Purchase Order:		Workorder ID:	Pump-n-Pantry #001-Proj.#25112

Dear Mr. Gilgallon:

Enclosed are the analytical results for samples received by the laboratory on Thursday, May 4, 2017.

The ALS Environmental laboratory in Middletown, Pennsylvania is a National Environmental Laboratory Accreditation Program (NELAP) accredited laboratory and as such, certifies that all applicable test results meet the requirements of NELAP.

If you have any questions regarding this certificate of analysis, please contact Ms. Amy K Borden (Project Coordinator) at (717) 944-5541.

Analyses were performed according to our laboratory's NELAP-approved quality assurance program and any applicable state requirements. The test results meet requirements of the current NELAP standards or state requirements, where applicable. For a specific list of accredited analytes, refer to the certifications section of the ALS website at www.alsglobal.com/en/Our-Services/Life-Sciences/Environmental/Downloads.

This laboratory report may not be reproduced, except in full, without the written approval of ALS Environmental.

ALS Spring City: 10 Riverside Drive, Spring City, PA 19475 610-948-4903

Ms. Amy K Borden
Project Coordinator

This page is included as part of the Analytical Report and must be retained as a permanent record thereof.

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**SAMPLE SUMMARY**

Workorder: 2227457 Pump-n-Pantry #001-Proj.#25112

Lab ID	Sample ID	Matrix	Date Collected	Date Received	Collected By
2227457001	112-0501-MW11	Ground Water	5/1/2017 13:58	5/4/2017 08:45	Collected by Client
2227457002	112-0501-MW12	Ground Water	5/2/2017 12:34	5/4/2017 08:45	Collected by Client
2227457003	112-0501-MW13	Ground Water	5/1/2017 11:54	5/4/2017 08:45	Collected by Client
2227457004	112-0501-MW14	Ground Water	5/1/2017 13:10	5/4/2017 08:45	Collected by Client
2227457005	112-0501-FB2	Ground Water	5/2/2017 16:00	5/4/2017 08:45	Collected by Client

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SAMPLE SUMMARY

Workorder: 2227457 Pump-n-Pantry #001-Proj.#25112

Notes

- Samples collected by ALS personnel are done so in accordance with the procedures set forth in the ALS Field Sampling Plan (20 - Field Services Sampling Plan).
- All Waste Water analyses comply with methodology requirements of 40 CFR Part 136.
- All Drinking Water analyses comply with methodology requirements of 40 CFR Part 141.
- Unless otherwise noted, all quantitative results for soils are reported on a dry weight basis.
- The Chain of Custody document is included as part of this report.
- All Library Search analytes should be regarded as tentative identifications based on the presumptive evidence of the mass spectra. Concentrations reported are estimated values.
- Parameters identified as "analyze immediately" require analysis within 15 minutes of collection. Any "analyze immediately" parameters not listed under the header "Field Parameters" are performed in the laboratory and are therefore analyzed out of hold time.
- Method references listed on this report beginning with the prefix "S" followed by a method number (such as S2310B-97) refer to methods from "Standard Methods for the Examination of Water and Wastewater".
- For microbiological analyses, the "Prepared" value is the date/time into the incubator and the "Analyzed" value is the date/time out the incubator.

Standard Acronyms/Flags

J	Indicates an estimated value between the Method Detection Limit (MDL) and the Practical Quantitation Limit (PQL) for the analyte
U	Indicates that the analyte was Not Detected (ND)
N	Indicates presumptive evidence of the presence of a compound
MDL	Method Detection Limit
PQL	Practical Quantitation Limit
RDL	Reporting Detection Limit
ND	Not Detected - indicates that the analyte was Not Detected at the RDL
Cntr	Analysis was performed using this container
RegLmt	Regulatory Limit
LCS	Laboratory Control Sample
MS	Matrix Spike
MSD	Matrix Spike Duplicate
DUP	Sample Duplicate
%Rec	Percent Recovery
RPD	Relative Percent Difference
LOD	DoD Limit of Detection
LOQ	DoD Limit of Quantitation
DL	DoD Detection Limit
I	Indicates reported value is greater than or equal to the Method Detection Limit (MDL) but less than the Report Detection Limit (RDL)
(S)	Surrogate Compound
NC	Not Calculated
*	Result outside of QC limits

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34 Dogwood Lane ■ Middletown, PA 17057 ■ Phone: 717-944-5541 ■ Fax: 717-944-1430 ■ www.alsglobal.com

NELAP Certifications: NJ PA010, NY 11759, PA 22-293 DoD ELAP: A2LA 0818.01
State Certifications: DE ID 11, MA PA0102, MD 128, VA 460157, WV 343

PROJECT SUMMARY

Workorder: 2227457 Pump-n-Pantry #001-Proj.#25112

Workorder Comments

Revised to change WO ID per client email on 5/11/17. SMW

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ANALYTICAL RESULTS

Workorder: 2227457 Pump-n-Pantry #001-Proj.#25112

Lab ID: **2227457001**
Sample ID: **112-0501-MW11**

Date Collected: 5/1/2017 13:58 Matrix: Ground Water
Date Received: 5/4/2017 08:45

Parameters	Results	Flag	Units	RDL	Method	Prepared	By	Analyzed	By	Cntr
VOLATILE ORGANICS										
Benzene	ND		ug/L	1.0	SW846 8260B			5/9/17 21:20	TMP	B
Ethylbenzene	ND		ug/L	1.0	SW846 8260B			5/9/17 21:20	TMP	B
Isopropylbenzene	ND		ug/L	1.0	SW846 8260B			5/9/17 21:20	TMP	B
Methyl t-Butyl Ether	ND		ug/L	1.0	SW846 8260B			5/9/17 21:20	TMP	B
Naphthalene	ND		ug/L	2.0	SW846 8260B			5/9/17 21:20	TMP	B
Toluene	ND		ug/L	1.0	SW846 8260B			5/9/17 21:20	TMP	B
Total Xylenes	ND		ug/L	3.0	SW846 8260B			5/9/17 21:20	TMP	B
1,2,4-Trimethylbenzene	ND		ug/L	1.0	SW846 8260B			5/9/17 21:20	TMP	B
1,3,5-Trimethylbenzene	ND		ug/L	1.0	SW846 8260B			5/9/17 21:20	TMP	B
<i>Surrogate Recoveries</i>	<i>Results</i>	<i>Flag</i>	<i>Units</i>	<i>Limits</i>	<i>Method</i>	<i>Prepared</i>	<i>By</i>	<i>Analyzed</i>	<i>By</i>	<i>Cntr</i>
1,2-Dichloroethane-d4 (S)	110		%	62 - 133	SW846 8260B			5/9/17 21:20	TMP	B
4-Bromofluorobenzene (S)	98		%	79 - 114	SW846 8260B			5/9/17 21:20	TMP	B
Dibromofluoromethane (S)	100		%	78 - 116	SW846 8260B			5/9/17 21:20	TMP	B
Toluene-d8 (S)	105		%	76 - 127	SW846 8260B			5/9/17 21:20	TMP	B



Ms. Amy K Borden
Project Coordinator

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ANALYTICAL RESULTS

Workorder: 2227457 Pump-n-Pantry #001-Proj.#25112

Lab ID: 2227457002
Sample ID: 112-0501-MW12

Date Collected: 5/2/2017 12:34 Matrix: Ground Water
Date Received: 5/4/2017 08:45

Parameters	Results	Flag	Units	RDL	Method	Prepared	By	Analyzed	By	Cntr
VOLATILE ORGANICS										
Benzene	4.3		ug/L	1.0	SW846 8260B			5/8/17 17:18	TMP	A
Ethylbenzene	ND		ug/L	1.0	SW846 8260B			5/8/17 17:18	TMP	A
Isopropylbenzene	ND		ug/L	1.0	SW846 8260B			5/8/17 17:18	TMP	A
Methyl t-Butyl Ether	ND		ug/L	1.0	SW846 8260B			5/8/17 17:18	TMP	A
Naphthalene	ND		ug/L	2.0	SW846 8260B			5/8/17 17:18	TMP	A
Toluene	1.5		ug/L	1.0	SW846 8260B			5/8/17 17:18	TMP	A
Total Xylenes	ND		ug/L	3.0	SW846 8260B			5/8/17 17:18	TMP	A
1,2,4-Trimethylbenzene	ND		ug/L	1.0	SW846 8260B			5/8/17 17:18	TMP	A
1,3,5-Trimethylbenzene	ND		ug/L	1.0	SW846 8260B			5/8/17 17:18	TMP	A
<i>Surrogate Recoveries</i>	<i>Results</i>	<i>Flag</i>	<i>Units</i>	<i>Limits</i>	<i>Method</i>	<i>Prepared</i>	<i>By</i>	<i>Analyzed</i>	<i>By</i>	<i>Cntr</i>
1,2-Dichloroethane-d4 (S)	95		%	62 - 133	SW846 8260B			5/8/17 17:18	TMP	A
4-Bromofluorobenzene (S)	112		%	79 - 114	SW846 8260B			5/8/17 17:18	TMP	A
Dibromofluoromethane (S)	109		%	78 - 116	SW846 8260B			5/8/17 17:18	TMP	A
Toluene-d8 (S)	105		%	76 - 127	SW846 8260B			5/8/17 17:18	TMP	A

Ms. Amy K Borden
Project Coordinator

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ANALYTICAL RESULTS

Workorder: 2227457 Pump-n-Pantry #001-Proj.#25112

Lab ID: **2227457003**
Sample ID: **112-0501-MW13**

Date Collected: 5/1/2017 11:54 Matrix: Ground Water
Date Received: 5/4/2017 08:45

Parameters	Results	Flag	Units	RDL	Method	Prepared	By	Analyzed	By	Cntr
VOLATILE ORGANICS										
Benzene	ND		ug/L	1.0	SW846 8260B			5/8/17 17:36	TMP	A
Ethylbenzene	ND		ug/L	1.0	SW846 8260B			5/8/17 17:36	TMP	A
Isopropylbenzene	ND		ug/L	1.0	SW846 8260B			5/8/17 17:36	TMP	A
Methyl t-Butyl Ether	ND		ug/L	1.0	SW846 8260B			5/8/17 17:36	TMP	A
Naphthalene	ND		ug/L	2.0	SW846 8260B			5/8/17 17:36	TMP	A
Toluene	ND		ug/L	1.0	SW846 8260B			5/8/17 17:36	TMP	A
Total Xylenes	ND		ug/L	3.0	SW846 8260B			5/8/17 17:36	TMP	A
1,2,4-Trimethylbenzene	ND		ug/L	1.0	SW846 8260B			5/8/17 17:36	TMP	A
1,3,5-Trimethylbenzene	ND		ug/L	1.0	SW846 8260B			5/8/17 17:36	TMP	A
<i>Surrogate Recoveries</i>	<i>Results</i>	<i>Flag</i>	<i>Units</i>	<i>Limits</i>	<i>Method</i>	<i>Prepared</i>	<i>By</i>	<i>Analyzed</i>	<i>By</i>	<i>Cntr</i>
1,2-Dichloroethane-d4 (S)	94.1		%	62 - 133	SW846 8260B			5/8/17 17:36	TMP	A
4-Bromofluorobenzene (S)	101		%	79 - 114	SW846 8260B			5/8/17 17:36	TMP	A
Dibromofluoromethane (S)	107		%	78 - 116	SW846 8260B			5/8/17 17:36	TMP	A
Toluene-d8 (S)	102		%	76 - 127	SW846 8260B			5/8/17 17:36	TMP	A



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ANALYTICAL RESULTS

Workorder: 2227457 Pump-n-Pantry #001-Proj.#25112

Lab ID: 2227457004
Sample ID: 112-0501-MW14

Date Collected: 5/1/2017 13:10 Matrix: Ground Water
Date Received: 5/4/2017 08:45

Parameters	Results	Flag	Units	RDL	Method	Prepared	By	Analyzed	By	Cntr
VOLATILE ORGANICS										
Benzene	ND		ug/L	1.0	SW846 8260B			5/8/17 14:52	TMP	A
Ethylbenzene	ND		ug/L	1.0	SW846 8260B			5/8/17 14:52	TMP	A
Isopropylbenzene	ND	1	ug/L	1.0	SW846 8260B			5/8/17 14:52	TMP	A
Methyl t-Butyl Ether	ND		ug/L	1.0	SW846 8260B			5/8/17 14:52	TMP	A
Naphthalene	ND	3	ug/L	2.0	SW846 8260B			5/8/17 14:52	TMP	A
Toluene	ND		ug/L	1.0	SW846 8260B			5/8/17 14:52	TMP	A
Total Xylenes	ND		ug/L	3.0	SW846 8260B			5/8/17 14:52	TMP	A
1,2,4-Trimethylbenzene	ND		ug/L	1.0	SW846 8260B			5/8/17 14:52	TMP	A
1,3,5-Trimethylbenzene	ND	2	ug/L	1.0	SW846 8260B			5/8/17 14:52	TMP	A
<i>Surrogate Recoveries</i>	<i>Results</i>	<i>Flag</i>	<i>Units</i>	<i>Limits</i>	<i>Method</i>	<i>Prepared</i>	<i>By</i>	<i>Analyzed</i>	<i>By</i>	<i>Cntr</i>
1,2-Dichloroethane-d4 (S)	96.2		%	62 - 133	SW846 8260B			5/8/17 14:52	TMP	A
4-Bromofluorobenzene (S)	99.9		%	79 - 114	SW846 8260B			5/8/17 14:52	TMP	A
Dibromofluoromethane (S)	112		%	78 - 116	SW846 8260B			5/8/17 14:52	TMP	A
Toluene-d8 (S)	103		%	76 - 127	SW846 8260B			5/8/17 14:52	TMP	A

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ANALYTICAL RESULTS

Workorder: 2227457 Pump-n-Pantry #001-Proj.#25112

Lab ID: 2227457005
Sample ID: 112-0501-FB2

Date Collected: 5/2/2017 16:00
Date Received: 5/4/2017 08:45

Matrix: Ground Water

Parameters	Results	Flag	Units	RDL	Method	Prepared	By	Analyzed	By	Cntr
VOLATILE ORGANICS										
Benzene	ND		ug/L	1.0	SW846 8260B			5/8/17 16:05	TMP	A
Ethylbenzene	ND		ug/L	1.0	SW846 8260B			5/8/17 16:05	TMP	A
Isopropylbenzene	ND		ug/L	1.0	SW846 8260B			5/8/17 16:05	TMP	A
Methyl t-Butyl Ether	ND		ug/L	1.0	SW846 8260B			5/8/17 16:05	TMP	A
Naphthalene	ND		ug/L	2.0	SW846 8260B			5/8/17 16:05	TMP	A
Toluene	ND		ug/L	1.0	SW846 8260B			5/8/17 16:05	TMP	A
Total Xylenes	ND		ug/L	3.0	SW846 8260B			5/8/17 16:05	TMP	A
1,2,4-Trimethylbenzene	ND		ug/L	1.0	SW846 8260B			5/8/17 16:05	TMP	A
1,3,5-Trimethylbenzene	ND		ug/L	1.0	SW846 8260B			5/8/17 16:05	TMP	A
<i>Surrogate Recoveries</i>	<i>Results</i>	<i>Flag</i>	<i>Units</i>	<i>Limits</i>	<i>Method</i>	<i>Prepared</i>	<i>By</i>	<i>Analyzed</i>	<i>By</i>	<i>Cntr</i>
1,2-Dichloroethane-d4 (S)	91.5		%	62 - 133	SW846 8260B			5/8/17 16:05	TMP	A
4-Bromofluorobenzene (S)	102		%	79 - 114	SW846 8260B			5/8/17 16:05	TMP	A
Dibromofluoromethane (S)	106		%	78 - 116	SW846 8260B			5/8/17 16:05	TMP	A
Toluene-d8 (S)	103		%	76 - 127	SW846 8260B			5/8/17 16:05	TMP	A

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**PARAMETER QUALIFIERS**

Lab ID	#	Sample ID	Analytical Method	Analyte
2227457004	1	112-0501-MW14	SW846 8260B	Isopropylbenzene
The QC sample type MSD for method SW846 8260B was outside the control limits for the analyte Isopropylbenzene. The RPD was reported as 21.4 and the upper control limit is 18.				
2227457004	2	112-0501-MW14	SW846 8260B	1,3,5-Trimethylbenzene
The QC sample type MSD for method SW846 8260B was outside the control limits for the analyte 1,3,5-Trimethylbenzene. The RPD was reported as 23.5 and the upper control limit is 18.				
2227457004	3	112-0501-MW14	SW846 8260B	Naphthalene
The QC sample type MS for method SW846 8260B was outside the control limits for the analyte Naphthalene. The % Recovery was reported as 40.1 and the control limits were 56 to 134.				

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34 Dogwood Lane
Middletown, PA 17057
P. 717-944-5541
F. 717-944-1430

Environmental

CHAIN OF CUSTODY/ REQUEST FOR ANALYSIS

ALL SHADED AREAS MUST BE COMPLETED BY THE CLIENT /
SAMPLER. INSTRUCTIONS ON THE BACK.

Page 1 of 1
Courier: **FEO-EX**
Tracking #: **8113 1101 5979**



Co. Name: **PENNSYLVANIA RETOXES, LLC**
Contact (Report to): **MARVIN GIGGILLON** Phone: **570-987-1959**
Address: **723 MAIN STREET**
ARLHBAID PA 18403

Bill to (if different than Report to):
PO#: _____

Project Name#: **Pmp-n-Park #001/25112ALS Quote #:**

TAT: ☒ Normal-Standard TAT is 10-12 business days. Date Required: _____
☐ Rush-Subject to ALS approval and surcharges. Approved By: _____

Email?	Fax?	Sample Description/Location (as it will appear on the lab report)	COC Comments	Sample Date	Military Time
☒	☐	1 112-0501-MW11		5.1.17 1358	6 GW
☒	☐	2 112-0501-MW12		5.2.17 1234	6 GW
☒	☐	3 112-0501-MW13		5.1.17 1154	6 GW
☒	☐	4 112-0501-MW14		5.1.17 1310	6 GW
☒	☐	5 112-0501-FB1 FB2		5.2.17 1100	6 DT
		6			
		7			
		8			

SAMPLED BY (Please Print):		Project Comments:	
Kevin Guepa / PA RETOXES			
Relinquished By / Company Name	Date	Time	Received By / Company Name
Kevin Guepa / PA RETOXES	5.3.17	1100	2 FEO-EX 8113 1101 5979
			4 5/17/17
			6 5/17/17
			8
			10

ANALYSES/METHOD REQUESTED Container Type: CG Container Size: 4mL Preservative: HCl		Enter Number of Containers Per Analysis 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50 51 52 53 54 55 56 57 58 59 60 61 62 63 64 65 66 67 68 69 70 71 72 73 74 75 76 77 78 79 80 81 82 83 84 85 86 87 88 89 90 91 92 93 94 95 96 97 98 99 100	
Notes: No. of Coolers: _____ Therm. ID: 308 Cooler Temp: _____		Container in good condition? ☒ COC Labels complete/accurate? ☒ Received on ice? ☒ (If present) Seals intact? ☒ Custody seals Present? ☒ Correct sample volume? ☒ Correct preservation? ☒ Headspace/Volatiles? ☒ Circle appropriate Y or N.	
ALS FIELD SERVICES ☐ Pickup ☐ Labor ☐ Composite Sampling ☐ Rental Equipment ☐ Other		Data Deliverables ☒ Standard ☐ CLP-like ☐ NJ-Reduced ☐ NJ-Full ☐ If yes, format type: _____ Size Samples Collected In? ☐ MD ☐ NJ ☐ NY ☒ PA EODs Required? ☐ DOD Criteria Required? ☐	



May 11, 2017

Mr. Marty Gilgallon
PA Tectonics
723 Main Street
Archbald, PA 18403

Certificate of Analysis

Revised Report - 5/11/2017 11:15:13 AM - See workorder comment section for explanation

Project Name:	Pump-n-Pantry #001-Proj.#25112	Workorder:	2227458
Purchase Order:		Workorder ID:	Pump-n-Pantry #001-Proj.#25112

Dear Mr. Gilgallon:

Enclosed are the analytical results for samples received by the laboratory on Thursday, May 4, 2017.

The ALS Environmental laboratory in Middletown, Pennsylvania is a National Environmental Laboratory Accreditation Program (NELAP) accredited laboratory and as such, certifies that all applicable test results meet the requirements of NELAP.

If you have any questions regarding this certificate of analysis, please contact Ms. Amy K Borden (Project Coordinator) at (717) 944-5541.

Analyses were performed according to our laboratory's NELAP-approved quality assurance program and any applicable state requirements. The test results meet requirements of the current NELAP standards or state requirements, where applicable. For a specific list of accredited analytes, refer to the certifications section of the ALS website at www.alsglobal.com/en/Our-Services/Life-Sciences/Environmental/Downloads.

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Ms. Amy K Borden
Project Coordinator

This page is included as part of the Analytical Report and must be retained as a permanent record thereof.

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**SAMPLE SUMMARY**

Workorder: 2227458 Pump-n-Pantry #001-Proj.#25112

Lab ID	Sample ID	Matrix	Date Collected	Date Received	Collected By
2227458001	112-0501-OW3	Ground Water	5/1/2017 09:41	5/4/2017 08:45	Collected by Client
2227458002	112-0501-OW4	Ground Water	5/1/2017 10:53	5/4/2017 08:45	Collected by Client

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SAMPLE SUMMARY

Workorder: 2227458 Pump-n-Pantry #001-Proj.#25112

Notes

- Samples collected by ALS personnel are done so in accordance with the procedures set forth in the ALS Field Sampling Plan (20 - Field Services Sampling Plan).
- All Waste Water analyses comply with methodology requirements of 40 CFR Part 136.
- All Drinking Water analyses comply with methodology requirements of 40 CFR Part 141.
- Unless otherwise noted, all quantitative results for soils are reported on a dry weight basis.
- The Chain of Custody document is included as part of this report.
- All Library Search analytes should be regarded as tentative identifications based on the presumptive evidence of the mass spectra. Concentrations reported are estimated values.
- Parameters identified as "analyze immediately" require analysis within 15 minutes of collection. Any "analyze immediately" parameters not listed under the header "Field Parameters" are performed in the laboratory and are therefore analyzed out of hold time.
- Method references listed on this report beginning with the prefix "S" followed by a method number (such as S2310B-97) refer to methods from "Standard Methods for the Examination of Water and Wastewater".
- For microbiological analyses, the "Prepared" value is the date/time into the incubator and the "Analyzed" value is the date/time out the incubator.

Standard Acronyms/Flags

J	Indicates an estimated value between the Method Detection Limit (MDL) and the Practical Quantitation Limit (PQL) for the analyte
U	Indicates that the analyte was Not Detected (ND)
N	Indicates presumptive evidence of the presence of a compound
MDL	Method Detection Limit
PQL	Practical Quantitation Limit
RDL	Reporting Detection Limit
ND	Not Detected - indicates that the analyte was Not Detected at the RDL
Cntr	Analysis was performed using this container
RegLmt	Regulatory Limit
LCS	Laboratory Control Sample
MS	Matrix Spike
MSD	Matrix Spike Duplicate
DUP	Sample Duplicate
%Rec	Percent Recovery
RPD	Relative Percent Difference
LOD	DoD Limit of Detection
LOQ	DoD Limit of Quantitation
DL	DoD Detection Limit
I	Indicates reported value is greater than or equal to the Method Detection Limit (MDL) but less than the Report Detection Limit (RDL)
(S)	Surrogate Compound
NC	Not Calculated
*	Result outside of QC limits

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NELAP Certifications: NJ PA010, NY 11759, PA 22-293 DoD ELAP: A2LA 0818.01
State Certifications: DE ID 11, MA PA0102, MD 128, VA 460157, WV 343

PROJECT SUMMARY

Workorder: 2227458 Pump-n-Pantry #001-Proj.#25112

Workorder Comments

Revised to change WO ID per client email on 5/11/17. SMW

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**ANALYTICAL RESULTS**

Workorder: 2227458 Pump-n-Pantry #001-Proj.#25112

Lab ID: 2227458001
Sample ID: 112-0501-OW3Date Collected: 5/1/2017 09:41 Matrix: Ground Water
Date Received: 5/4/2017 08:45

Parameters	Results	Flag	Units	RDL	Method	Prepared	By	Analyzed	By	Cntr
VOLATILE ORGANICS										
Benzene	ND		ug/L	1.0	SW846 8260B			5/6/17 02:59	CJG	A
Ethylbenzene	ND		ug/L	1.0	SW846 8260B			5/6/17 02:59	CJG	A
Isopropylbenzene	ND		ug/L	1.0	SW846 8260B			5/6/17 02:59	CJG	A
Methyl t-Butyl Ether	ND		ug/L	1.0	SW846 8260B			5/6/17 02:59	CJG	A
Naphthalene	ND		ug/L	2.0	SW846 8260B			5/6/17 02:59	CJG	A
Toluene	1.3		ug/L	1.0	SW846 8260B			5/6/17 02:59	CJG	A
Total Xylenes	3.8		ug/L	3.0	SW846 8260B			5/6/17 02:59	CJG	A
1,2,4-Trimethylbenzene	ND		ug/L	1.0	SW846 8260B			5/6/17 02:59	CJG	A
1,3,5-Trimethylbenzene	ND		ug/L	1.0	SW846 8260B			5/6/17 02:59	CJG	A
<i>Surrogate Recoveries</i>	<i>Results</i>	<i>Flag</i>	<i>Units</i>	<i>Limits</i>	<i>Method</i>	<i>Prepared</i>	<i>By</i>	<i>Analyzed</i>	<i>By</i>	<i>Cntr</i>
1,2-Dichloroethane-d4 (S)	98.8		%	62 - 133	SW846 8260B			5/6/17 02:59	CJG	A
4-Bromofluorobenzene (S)	96.5		%	79 - 114	SW846 8260B			5/6/17 02:59	CJG	A
Dibromofluoromethane (S)	86.1		%	78 - 116	SW846 8260B			5/6/17 02:59	CJG	A
Toluene-d8 (S)	89.2		%	76 - 127	SW846 8260B			5/6/17 02:59	CJG	A

Ms. Amy K Borden
Project Coordinator**ALS Environmental Laboratory Locations Across North America**Canada: Burlington · Calgary · Centre of Excellence · Edmonton · Fort McMurray · Fort St. John · Grande Prairie · London · Mississauga · Richmond Hill · Saskatoon · Thunder Bay
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ANALYTICAL RESULTS

Workorder: 2227458 Pump-n-Pantry #001-Proj.#25112

Lab ID: **2227458002**
Sample ID: **112-0501-OW4**

Date Collected: 5/1/2017 10:53 Matrix: Ground Water
Date Received: 5/4/2017 08:45

Parameters	Results	Flag	Units	RDL	Method	Prepared	By	Analyzed	By	Cntr
VOLATILE ORGANICS										
Benzene	168		ug/L	1.0	SW846 8260B			5/6/17 03:21	CJG	A
Ethylbenzene	827		ug/L	25.0	SW846 8260B			5/9/17 18:40	TMP	B
Isopropylbenzene	32.4		ug/L	1.0	SW846 8260B			5/6/17 03:21	CJG	A
Methyl t-Butyl Ether	3.4		ug/L	1.0	SW846 8260B			5/6/17 03:21	CJG	A
Naphthalene	82.5		ug/L	2.0	SW846 8260B			5/6/17 03:21	CJG	A
Toluene	4800		ug/L	25.0	SW846 8260B			5/9/17 18:40	TMP	B
Total Xylenes	5260		ug/L	75.0	SW846 8260B			5/9/17 18:40	TMP	B
1,2,4-Trimethylbenzene	816		ug/L	25.0	SW846 8260B			5/9/17 18:40	TMP	B
1,3,5-Trimethylbenzene	166		ug/L	1.0	SW846 8260B			5/6/17 03:21	CJG	A
<i>Surrogate Recoveries</i>	<i>Results</i>	<i>Flag</i>	<i>Units</i>	<i>Limits</i>	<i>Method</i>	<i>Prepared</i>	<i>By</i>	<i>Analyzed</i>	<i>By</i>	<i>Cntr</i>
1,2-Dichloroethane-d4 (S)	90.9		%	62 - 133	SW846 8260B			5/6/17 03:21	CJG	A
1,2-Dichloroethane-d4 (S)	112		%	62 - 133	SW846 8260B			5/9/17 18:40	TMP	B
4-Bromofluorobenzene (S)	87.6		%	79 - 114	SW846 8260B			5/6/17 03:21	CJG	A
4-Bromofluorobenzene (S)	107		%	79 - 114	SW846 8260B			5/9/17 18:40	TMP	B
Dibromofluoromethane (S)	76.9	1	%	78 - 116	SW846 8260B			5/6/17 03:21	CJG	A
Dibromofluoromethane (S)	103		%	78 - 116	SW846 8260B			5/9/17 18:40	TMP	B
Toluene-d8 (S)	85.5		%	76 - 127	SW846 8260B			5/6/17 03:21	CJG	A
Toluene-d8 (S)	101		%	76 - 127	SW846 8260B			5/9/17 18:40	TMP	B



Ms. Amy K Borden
Project Coordinator

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State Certifications: DE ID 11, MA PA0102, MD 128, VA 460157, WV 343

PARAMETER QUALIFIERS

Lab ID	#	Sample ID	Analytical Method	Analyte
2227458002	1	112-0501-OW4	SW846 8260B	Dibromofluoromethane

The surrogate Dibromofluoromethane for method SW846 8260B was outside of control limits. The % Recovery was reported as 76.9 and the control limits were 78 to 116. This result was reported at a dilution of 1.

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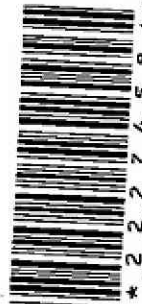
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P. 717-944-5541
F. 717-944-1430

Environmental

CHAIN OF CUSTODY/ REQUEST FOR ANALYSIS

ALL SHADED AREAS MUST BE COMPLETED BY THE CLIENT /
SAMPLER. INSTRUCTIONS ON THE BACK.

Page 1 of 1
Courier: FE0-EX
Tracking #: 0113 1101
5979



Co. Name: Pennsylvania Technologies, Inc.
Contact (Report to): MARTIN CIGIELLO Phone: 570-487-959
Address: 723 MAIN STREET
PEACHARD PA 18403

Bill to (if different than Report to):

PO#:

Project Name/ID: Pump-N-Pantry #001/25112ALS Quote #:

TAT: ☒ Normal-Standard TAT is 10-12 business days.
☐ Rush-Subject to ALS approval and surcharges.

Email? ☒ Y ☐ N
Fax? ☒ Y ☐ N
COC Comments: agisgill@pennatex.com

Sample Description/Location
(as it will appear on the lab report)

COC Comments

Sample Date

Military Time

G or C

Matrix

Enter Number of Containers Per Analysis

1 112-0501-0W3

5.17 0941 6 6 2

2 112-0501-0W4

5.17 1053 6 6 2

3

4

5

6

7

8

5/4/17 2018

SAMPLED BY (Please Print):

Kevin Caves / PA Technologies

Relinquished By / Company Name

Date

Time

Received By / Company Name

Date

Time

1 Kevin Caves / PA Technologies 5.3.17 1100 2 FE0-EX/0113 1101 5979 5317 1100

3 Kevin Caves / PA Technologies 5.3.17 1100 4 FE0-EX/0113 1101 5979 5317 1100

5 Kevin Caves / PA Technologies 5.3.17 1100 6 FE0-EX/0113 1101 5979 5317 1100

7 Kevin Caves / PA Technologies 5.3.17 1100 8 FE0-EX/0113 1101 5979 5317 1100

9 Kevin Caves / PA Technologies 5.3.17 1100 10 FE0-EX/0113 1101 5979 5317 1100

* G=Grab; C=Composite

***Mark: AL=Air; DW=Drinking Water; GW=Groundwater; On=Oil; OL=Other Liquid; SL=Sludge; SO=Soil; WP=Water; WH=Water

***Container Type: AG=Amber Glass; CG=Clear Glass; PL=Plastic. Container Size: 250ml, 500ml, 1L, 2L, etc. Preservative: HCl, HNO3, NiOH, etc.

***Criteria Required?

DOO Criteria Required?

EDS

Backlit?

Other

ALS

Rev 01-2013



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May 10, 2017

Mr. Marty Gilgallon
PA Tectonics
723 Main Street
Archbald, PA 18403

Certificate of Analysis

Revised Report - 5/10/2017 11:11:10 AM - See workorder comment section for explanation

Project Name:	Pump-n-Pantry 001 Proj 25112	Workorder:	2227460
Purchase Order:		Workorder ID:	Pump-n-Pantry 001 Proj 25112

Dear Mr. Gilgallon:

Enclosed are the analytical results for samples received by the laboratory on Thursday, May 4, 2017.

The ALS Environmental laboratory in Middletown, Pennsylvania is a National Environmental Laboratory Accreditation Program (NELAP) accredited laboratory and as such, certifies that all applicable test results meet the requirements of NELAP.

If you have any questions regarding this certificate of analysis, please contact Ms. Amy K Borden (Project Coordinator) at (717) 944-5541.

Analyses were performed according to our laboratory's NELAP-approved quality assurance program and any applicable state requirements. The test results meet requirements of the current NELAP standards or state requirements, where applicable. For a specific list of accredited analytes, refer to the certifications section of the ALS website at www.alsglobal.com/en/Our-Services/Life-Sciences/Environmental/Downloads.

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Ms. Amy K Borden
Project Coordinator

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**SAMPLE SUMMARY**

Workorder: 2227460 Pump-n-Pantry 001 Proj 25112

Lab ID	Sample ID	Matrix	Date Collected	Date Received	Collected By
2227460001	112-0501-RW1	Ground Water	5/1/2017 10:33	5/4/2017 08:45	Collected by Client

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SAMPLE SUMMARY

Workorder: 2227460 Pump-n-Pantry 001 Proj 25112

Notes

- Samples collected by ALS personnel are done so in accordance with the procedures set forth in the ALS Field Sampling Plan (20 - Field Services Sampling Plan).
- All Waste Water analyses comply with methodology requirements of 40 CFR Part 136.
- All Drinking Water analyses comply with methodology requirements of 40 CFR Part 141.
- Unless otherwise noted, all quantitative results for soils are reported on a dry weight basis.
- The Chain of Custody document is included as part of this report.
- All Library Search analytes should be regarded as tentative identifications based on the presumptive evidence of the mass spectra. Concentrations reported are estimated values.
- Parameters identified as "analyze immediately" require analysis within 15 minutes of collection. Any "analyze immediately" parameters not listed under the header "Field Parameters" are performed in the laboratory and are therefore analyzed out of hold time.
- Method references listed on this report beginning with the prefix "S" followed by a method number (such as S2310B-97) refer to methods from "Standard Methods for the Examination of Water and Wastewater".
- For microbiological analyses, the "Prepared" value is the date/time into the incubator and the "Analyzed" value is the date/time out the incubator.

Standard Acronyms/Flags

J	Indicates an estimated value between the Method Detection Limit (MDL) and the Practical Quantitation Limit (PQL) for the analyte
U	Indicates that the analyte was Not Detected (ND)
N	Indicates presumptive evidence of the presence of a compound
MDL	Method Detection Limit
PQL	Practical Quantitation Limit
RDL	Reporting Detection Limit
ND	Not Detected - indicates that the analyte was Not Detected at the RDL
Cntr	Analysis was performed using this container
RegLmt	Regulatory Limit
LCS	Laboratory Control Sample
MS	Matrix Spike
MSD	Matrix Spike Duplicate
DUP	Sample Duplicate
%Rec	Percent Recovery
RPD	Relative Percent Difference
LOD	DoD Limit of Detection
LOQ	DoD Limit of Quantitation
DL	DoD Detection Limit
I	Indicates reported value is greater than or equal to the Method Detection Limit (MDL) but less than the Report Detection Limit (RDL)
(S)	Surrogate Compound
NC	Not Calculated
*	Result outside of QC limits

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PROJECT SUMMARY

Workorder: 2227460 Pump-n-Pantry 001 Proj 25112

Workorder Comments

Report modified to correct WO ID. AKB 05/10/17

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ANALYTICAL RESULTS

Workorder: 2227460 Pump-n-Pantry 001 Proj 25112

Lab ID: **2227460001**
Sample ID: **112-0501-RW1**

Date Collected: 5/1/2017 10:33 Matrix: Ground Water
Date Received: 5/4/2017 08:45

Parameters	Results	Flag	Units	RDL	Method	Prepared	By	Analyzed	By	Cntr
VOLATILE ORGANICS										
Benzene	43.6		ug/L	1.0	SW846 8260B			5/6/17 03:43	CJG	A
Ethylbenzene	17.5		ug/L	1.0	SW846 8260B			5/6/17 03:43	CJG	A
Isopropylbenzene	1.5		ug/L	1.0	SW846 8260B			5/6/17 03:43	CJG	A
Methyl t-Butyl Ether	2.1		ug/L	1.0	SW846 8260B			5/6/17 03:43	CJG	A
Naphthalene	7.6		ug/L	2.0	SW846 8260B			5/6/17 03:43	CJG	A
Toluene	67.2		ug/L	1.0	SW846 8260B			5/6/17 03:43	CJG	A
Total Xylenes	231		ug/L	3.0	SW846 8260B			5/6/17 03:43	CJG	A
1,2,4-Trimethylbenzene	53.5		ug/L	1.0	SW846 8260B			5/6/17 03:43	CJG	A
1,3,5-Trimethylbenzene	20.7		ug/L	1.0	SW846 8260B			5/6/17 03:43	CJG	A
<i>Surrogate Recoveries</i>	<i>Results</i>	<i>Flag</i>	<i>Units</i>	<i>Limits</i>	<i>Method</i>	<i>Prepared</i>	<i>By</i>	<i>Analyzed</i>	<i>By</i>	<i>Cntr</i>
1,2-Dichloroethane-d4 (S)	92.6		%	62 - 133	SW846 8260B			5/6/17 03:43	CJG	A
4-Bromofluorobenzene (S)	91.5		%	79 - 114	SW846 8260B			5/6/17 03:43	CJG	A
Dibromofluoromethane (S)	79.3		%	78 - 116	SW846 8260B			5/6/17 03:43	CJG	A
Toluene-d8 (S)	92.5		%	76 - 127	SW846 8260B			5/6/17 03:43	CJG	A



Ms. Amy K Borden
Project Coordinator

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APPENDIX R-8

Groundwater Analytical Data Sheets

July 2017 Groundwater Sampling Activities



August 3, 2017

Mr. Marty Gilgallon
PA Tectonics
723 Main Street
Archbald, PA 18403

Certificate of Analysis

Project Name: **Pump N Pantry**Workorder: **2249367**

Purchase Order:

Workorder ID: **Pump N Pantry**

Dear Mr. Gilgallon:

Enclosed are the analytical results for samples received by the laboratory on Thursday, July 27, 2017.

The ALS Environmental laboratory in Middletown, Pennsylvania is a National Environmental Laboratory Accreditation Program (NELAP) accredited laboratory and as such, certifies that all applicable test results meet the requirements of NELAP.

If you have any questions regarding this certificate of analysis, please contact Ms. Amy K Borden (Project Coordinator) at (717) 944-5541.

Analyses were performed according to our laboratory's NELAP-approved quality assurance program and any applicable state requirements. The test results meet requirements of the current NELAP standards or state requirements, where applicable. For a specific list of accredited analytes, refer to the certifications section of the ALS website at www.alsglobal.com/en/Our-Services/Life-Sciences/Environmental/Downloads.

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Ms. Amy K Borden

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SAMPLE SUMMARY

Workorder: 2249367 Pump N Pantry

Lab ID	Sample ID	Matrix	Date Collected	Date Received	Collected By
2249367001	112-0724-MW1	Ground Water	7/24/2017 10:30	7/27/2017 08:51	Collected by Client
2249367002	112-0724-MW2	Ground Water	7/25/2017 15:47	7/27/2017 08:51	Collected by Client
2249367003	112-0724-MW3	Ground Water	7/25/2017 15:15	7/27/2017 08:51	Collected by Client
2249367004	112-0724-MW4	Ground Water	7/25/2017 14:40	7/27/2017 08:51	Collected by Client
2249367005	112-0724-MW5	Ground Water	7/25/2017 14:04	7/27/2017 08:51	Collected by Client
2249367006	112-0724-MW6	Ground Water	7/25/2017 13:24	7/27/2017 08:51	Collected by Client
2249367007	112-0724-MW7	Ground Water	7/25/2017 12:32	7/27/2017 08:51	Collected by Client
2249367008	112-0724-MW8	Ground Water	7/24/2017 14:12	7/27/2017 08:51	Collected by Client
2249367009	112-0724-MW9	Ground Water	7/24/2017 14:56	7/27/2017 08:51	Collected by Client
2249367010	112-0724-MW10	Ground Water	7/25/2017 11:29	7/27/2017 08:51	Collected by Client
2249367011	112-0724-MW11	Ground Water	7/25/2017 08:28	7/27/2017 08:51	Collected by Client
2249367012	112-0724-MW12	Ground Water	7/25/2017 09:21	7/27/2017 08:51	Collected by Client
2249367013	112-0724-MW13	Ground Water	7/25/2017 10:07	7/27/2017 08:51	Collected by Client
2249367014	112-0724-MW14	Ground Water	7/25/2017 10:51	7/27/2017 08:51	Collected by Client
2249367015	112-0724-RW1	Ground Water	7/24/2017 11:44	7/27/2017 08:51	Collected by Client
2249367016	112-0724-FB1	Ground Water	7/24/2017 15:00	7/27/2017 08:51	Collected by Client
2249367017	112-0724-FB2	Ground Water	7/25/2017 12:35	7/27/2017 08:51	Collected by Client

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SAMPLE SUMMARY

Workorder: 2249367 Pump N Pantry

Notes

- Samples collected by ALS personnel are done so in accordance with the procedures set forth in the ALS Field Sampling Plan (20 - Field Services Sampling Plan).
- All Waste Water analyses comply with methodology requirements of 40 CFR Part 136.
- All Drinking Water analyses comply with methodology requirements of 40 CFR Part 141.
- Unless otherwise noted, all quantitative results for soils are reported on a dry weight basis.
- The Chain of Custody document is included as part of this report.
- All Library Search analytes should be regarded as tentative identifications based on the presumptive evidence of the mass spectra. Concentrations reported are estimated values.
- Parameters identified as "analyze immediately" require analysis within 15 minutes of collection. Any "analyze immediately" parameters not listed under the header "Field Parameters" are performed in the laboratory and are therefore analyzed out of hold time.
- Method references listed on this report beginning with the prefix "S" followed by a method number (such as S2310B-97) refer to methods from "Standard Methods for the Examination of Water and Wastewater".
- For microbiological analyses, the "Prepared" value is the date/time into the incubator and the "Analyzed" value is the date/time out the incubator.

Standard Acronyms/Flags

J	Indicates an estimated value between the Method Detection Limit (MDL) and the Practical Quantitation Limit (PQL) for the analyte
U	Indicates that the analyte was Not Detected (ND)
N	Indicates presumptive evidence of the presence of a compound
MDL	Method Detection Limit
PQL	Practical Quantitation Limit
RDL	Reporting Detection Limit
ND	Not Detected - indicates that the analyte was Not Detected at the RDL
Cntr	Analysis was performed using this container
RegLmt	Regulatory Limit
LCS	Laboratory Control Sample
MS	Matrix Spike
MSD	Matrix Spike Duplicate
DUP	Sample Duplicate
%Rec	Percent Recovery
RPD	Relative Percent Difference
LOD	DoD Limit of Detection
LOQ	DoD Limit of Quantitation
DL	DoD Detection Limit
I	Indicates reported value is greater than or equal to the Method Detection Limit (MDL) but less than the Report Detection Limit (RDL)
(S)	Surrogate Compound
NC	Not Calculated
*	Result outside of QC limits

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NELAP Certifications: NJ PA010, NY 11759, PA 22-293 DoD ELAP: A2LA 0818.01
State Certifications: DE ID 11, MA PA0102, MD 128, VA 460157, WV 343

PROJECT SUMMARY

Workorder: 2249367 Pump N Pantry

Sample Comments

Lab ID: 2249367004

Sample ID: 112-0724-MW4

Sample Type: SAMPLE

The GCMS volatiles analysis was performed at a dilution due to the level of target compounds.

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ANALYTICAL RESULTS

Workorder: 2249367 Pump N Pantry

Lab ID: **2249367001**
Sample ID: **112-0724-MW1**

Date Collected: 7/24/2017 10:30 Matrix: Ground Water
Date Received: 7/27/2017 08:51

Parameters	Results	Flag	Units	RDL	Method	Prepared	By	Analyzed	By	Cntr
VOLATILE ORGANICS										
Benzene	ND	2	ug/L	1.0	SW846 8260B			7/28/17 12:36	DD	A
Ethylbenzene	ND		ug/L	1.0	SW846 8260B			7/28/17 12:36	DD	A
Isopropylbenzene	ND		ug/L	1.0	SW846 8260B			7/28/17 12:36	DD	A
Methyl t-Butyl Ether	ND		ug/L	1.0	SW846 8260B			7/28/17 12:36	DD	A
Naphthalene	ND	1	ug/L	2.0	SW846 8260B			7/28/17 12:36	DD	A
Toluene	ND		ug/L	1.0	SW846 8260B			7/28/17 12:36	DD	A
Total Xylenes	ND		ug/L	3.0	SW846 8260B			7/28/17 12:36	DD	A
1,2,4-Trimethylbenzene	ND		ug/L	1.0	SW846 8260B			7/28/17 12:36	DD	A
1,3,5-Trimethylbenzene	ND		ug/L	1.0	SW846 8260B			7/28/17 12:36	DD	A
<i>Surrogate Recoveries</i>	<i>Results</i>	<i>Flag</i>	<i>Units</i>	<i>Limits</i>	<i>Method</i>	<i>Prepared</i>	<i>By</i>	<i>Analyzed</i>	<i>By</i>	<i>Cntr</i>
1,2-Dichloroethane-d4 (S)	107		%	62 - 133	SW846 8260B			7/28/17 12:36	DD	A
4-Bromofluorobenzene (S)	94.8		%	79 - 114	SW846 8260B			7/28/17 12:36	DD	A
Dibromofluoromethane (S)	99.5		%	78 - 116	SW846 8260B			7/28/17 12:36	DD	A
Toluene-d8 (S)	92.5		%	76 - 127	SW846 8260B			7/28/17 12:36	DD	A



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ANALYTICAL RESULTS

Workorder: 2249367 Pump N Pantry

Lab ID: 2249367002
Sample ID: 112-0724-MW2

Date Collected: 7/25/2017 15:47 Matrix: Ground Water
Date Received: 7/27/2017 08:51

Parameters	Results	Flag	Units	RDL	Method	Prepared	By	Analyzed	By	Cntr
VOLATILE ORGANICS										
Benzene	68.8		ug/L	1.0	SW846 8260B			8/2/17 15:09	TMP	B
Ethylbenzene	48.4		ug/L	1.0	SW846 8260B			8/2/17 15:09	TMP	B
Isopropylbenzene	2.3		ug/L	1.0	SW846 8260B			8/2/17 15:09	TMP	B
Methyl t-Butyl Ether	34.4		ug/L	1.0	SW846 8260B			8/2/17 15:09	TMP	B
Naphthalene	3.4		ug/L	2.0	SW846 8260B			8/2/17 15:09	TMP	B
Toluene	5.7		ug/L	1.0	SW846 8260B			8/2/17 15:09	TMP	B
Total Xylenes	7.4		ug/L	3.0	SW846 8260B			8/2/17 15:09	TMP	B
1,2,4-Trimethylbenzene	12.9		ug/L	1.0	SW846 8260B			8/2/17 15:09	TMP	B
1,3,5-Trimethylbenzene	ND		ug/L	1.0	SW846 8260B			8/2/17 15:09	TMP	B
<i>Surrogate Recoveries</i>	<i>Results</i>	<i>Flag</i>	<i>Units</i>	<i>Limits</i>	<i>Method</i>	<i>Prepared</i>	<i>By</i>	<i>Analyzed</i>	<i>By</i>	<i>Cntr</i>
1,2-Dichloroethane-d4 (S)	83.3		%	62 - 133	SW846 8260B			8/2/17 15:09	TMP	B
4-Bromofluorobenzene (S)	92.6		%	79 - 114	SW846 8260B			8/2/17 15:09	TMP	B
Dibromofluoromethane (S)	87.8		%	78 - 116	SW846 8260B			8/2/17 15:09	TMP	B
Toluene-d8 (S)	97.7		%	76 - 127	SW846 8260B			8/2/17 15:09	TMP	B

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ANALYTICAL RESULTS

Workorder: 2249367 Pump N Pantry

Lab ID: **2249367003**
Sample ID: **112-0724-MW3**

Date Collected: 7/25/2017 15:15 Matrix: Ground Water
Date Received: 7/27/2017 08:51

Parameters	Results	Flag	Units	RDL	Method	Prepared	By	Analyzed	By	Cntr
VOLATILE ORGANICS										
Benzene	35.9		ug/L	1.0	SW846 8260B			7/28/17 12:58	DD	A
Ethylbenzene	105		ug/L	1.0	SW846 8260B			7/28/17 12:58	DD	A
Isopropylbenzene	7.2		ug/L	1.0	SW846 8260B			7/28/17 12:58	DD	A
Methyl t-Butyl Ether	ND		ug/L	1.0	SW846 8260B			7/28/17 12:58	DD	A
Naphthalene	2.3		ug/L	2.0	SW846 8260B			7/28/17 12:58	DD	A
Toluene	ND		ug/L	1.0	SW846 8260B			7/28/17 12:58	DD	A
Total Xylenes	ND		ug/L	3.0	SW846 8260B			7/28/17 12:58	DD	A
1,2,4-Trimethylbenzene	ND		ug/L	1.0	SW846 8260B			7/28/17 12:58	DD	A
1,3,5-Trimethylbenzene	ND		ug/L	1.0	SW846 8260B			7/28/17 12:58	DD	A
<i>Surrogate Recoveries</i>	<i>Results</i>	<i>Flag</i>	<i>Units</i>	<i>Limits</i>	<i>Method</i>	<i>Prepared</i>	<i>By</i>	<i>Analyzed</i>	<i>By</i>	<i>Cntr</i>
1,2-Dichloroethane-d4 (S)	103		%	62 - 133	SW846 8260B			7/28/17 12:58	DD	A
4-Bromofluorobenzene (S)	98.6		%	79 - 114	SW846 8260B			7/28/17 12:58	DD	A
Dibromofluoromethane (S)	94.2		%	78 - 116	SW846 8260B			7/28/17 12:58	DD	A
Toluene-d8 (S)	91.8		%	76 - 127	SW846 8260B			7/28/17 12:58	DD	A



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**ANALYTICAL RESULTS**

Workorder: 2249367 Pump N Pantry

Lab ID: 2249367004
Sample ID: 112-0724-MW4Date Collected: 7/25/2017 14:40 Matrix: Ground Water
Date Received: 7/27/2017 08:51

Parameters	Results	Flag	Units	RDL	Method	Prepared	By	Analyzed	By	Cntr
VOLATILE ORGANICS										
Benzene	267		ug/L	5.0	SW846 8260B			8/2/17 14:51	TMP	B
Ethylbenzene	176		ug/L	5.0	SW846 8260B			8/2/17 14:51	TMP	B
Isopropylbenzene	20.8		ug/L	5.0	SW846 8260B			8/2/17 14:51	TMP	B
Methyl t-Butyl Ether	ND		ug/L	5.0	SW846 8260B			8/2/17 14:51	TMP	B
Naphthalene	14.2		ug/L	10.0	SW846 8260B			8/2/17 14:51	TMP	B
Toluene	25.0		ug/L	5.0	SW846 8260B			8/2/17 14:51	TMP	B
Total Xylenes	84.5		ug/L	15.0	SW846 8260B			8/2/17 14:51	TMP	B
1,2,4-Trimethylbenzene	22.3		ug/L	5.0	SW846 8260B			8/2/17 14:51	TMP	B
1,3,5-Trimethylbenzene	ND		ug/L	5.0	SW846 8260B			8/2/17 14:51	TMP	B
<i>Surrogate Recoveries</i>	<i>Results</i>	<i>Flag</i>	<i>Units</i>	<i>Limits</i>	<i>Method</i>	<i>Prepared</i>	<i>By</i>	<i>Analyzed</i>	<i>By</i>	<i>Cntr</i>
1,2-Dichloroethane-d4 (S)	81		%	62 - 133	SW846 8260B			8/2/17 14:51	TMP	B
4-Bromofluorobenzene (S)	94.2		%	79 - 114	SW846 8260B			8/2/17 14:51	TMP	B
Dibromofluoromethane (S)	91.1		%	78 - 116	SW846 8260B			8/2/17 14:51	TMP	B
Toluene-d8 (S)	92.8		%	76 - 127	SW846 8260B			8/2/17 14:51	TMP	B

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ANALYTICAL RESULTS

Workorder: 2249367 Pump N Pantry

Lab ID: **2249367005**
Sample ID: **112-0724-MW5**

Date Collected: 7/25/2017 14:04 Matrix: Ground Water
Date Received: 7/27/2017 08:51

Parameters	Results	Flag	Units	RDL	Method	Prepared	By	Analyzed	By	Cntr
VOLATILE ORGANICS										
Benzene	144		ug/L	1.0	SW846 8260B			8/2/17 15:27	TMP	B
Ethylbenzene	168		ug/L	50.0	SW846 8260B			7/28/17 17:43	DD	A
Isopropylbenzene	25.8		ug/L	1.0	SW846 8260B			8/2/17 15:27	TMP	B
Methyl t-Butyl Ether	7.9		ug/L	1.0	SW846 8260B			8/2/17 15:27	TMP	B
Naphthalene	27.0		ug/L	2.0	SW846 8260B			8/2/17 15:27	TMP	B
Toluene	5.1		ug/L	1.0	SW846 8260B			8/2/17 15:27	TMP	B
Total Xylenes	16.3		ug/L	3.0	SW846 8260B			8/2/17 15:27	TMP	B
1,2,4-Trimethylbenzene	34.4		ug/L	1.0	SW846 8260B			8/2/17 15:27	TMP	B
1,3,5-Trimethylbenzene	ND		ug/L	1.0	SW846 8260B			8/2/17 15:27	TMP	B
<i>Surrogate Recoveries</i>	<i>Results</i>	<i>Flag</i>	<i>Units</i>	<i>Limits</i>	<i>Method</i>	<i>Prepared</i>	<i>By</i>	<i>Analyzed</i>	<i>By</i>	<i>Cntr</i>
1,2-Dichloroethane-d4 (S)	79.6		%	62 - 133	SW846 8260B			8/2/17 15:27	TMP	B
1,2-Dichloroethane-d4 (S)	108		%	62 - 133	SW846 8260B			7/28/17 17:43	DD	A
4-Bromofluorobenzene (S)	95.1		%	79 - 114	SW846 8260B			7/28/17 17:43	DD	A
4-Bromofluorobenzene (S)	94.9		%	79 - 114	SW846 8260B			8/2/17 15:27	TMP	B
Dibromofluoromethane (S)	98.3		%	78 - 116	SW846 8260B			7/28/17 17:43	DD	A
Dibromofluoromethane (S)	88.3		%	78 - 116	SW846 8260B			8/2/17 15:27	TMP	B
Toluene-d8 (S)	90.4		%	76 - 127	SW846 8260B			7/28/17 17:43	DD	A
Toluene-d8 (S)	95.5		%	76 - 127	SW846 8260B			8/2/17 15:27	TMP	B



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ANALYTICAL RESULTS

Workorder: 2249367 Pump N Pantry

Lab ID: 2249367006
Sample ID: 112-0724-MW6

Date Collected: 7/25/2017 13:24 Matrix: Ground Water
Date Received: 7/27/2017 08:51

Parameters	Results	Flag	Units	RDL	Method	Prepared	By	Analyzed	By	Cntr
VOLATILE ORGANICS										
Benzene	ND		ug/L	1.0	SW846 8260B			7/28/17 13:20	DD	A
Ethylbenzene	ND		ug/L	1.0	SW846 8260B			7/28/17 13:20	DD	A
Isopropylbenzene	ND		ug/L	1.0	SW846 8260B			7/28/17 13:20	DD	A
Methyl t-Butyl Ether	ND		ug/L	1.0	SW846 8260B			7/28/17 13:20	DD	A
Naphthalene	ND		ug/L	2.0	SW846 8260B			7/28/17 13:20	DD	A
Toluene	ND		ug/L	1.0	SW846 8260B			7/28/17 13:20	DD	A
Total Xylenes	ND		ug/L	3.0	SW846 8260B			7/28/17 13:20	DD	A
1,2,4-Trimethylbenzene	ND		ug/L	1.0	SW846 8260B			7/28/17 13:20	DD	A
1,3,5-Trimethylbenzene	ND		ug/L	1.0	SW846 8260B			7/28/17 13:20	DD	A
<i>Surrogate Recoveries</i>	<i>Results</i>	<i>Flag</i>	<i>Units</i>	<i>Limits</i>	<i>Method</i>	<i>Prepared</i>	<i>By</i>	<i>Analyzed</i>	<i>By</i>	<i>Cntr</i>
1,2-Dichloroethane-d4 (S)	107		%	62 - 133	SW846 8260B			7/28/17 13:20	DD	A
4-Bromofluorobenzene (S)	98.1		%	79 - 114	SW846 8260B			7/28/17 13:20	DD	A
Dibromofluoromethane (S)	100		%	78 - 116	SW846 8260B			7/28/17 13:20	DD	A
Toluene-d8 (S)	93.2		%	76 - 127	SW846 8260B			7/28/17 13:20	DD	A

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**ANALYTICAL RESULTS**

Workorder: 2249367 Pump N Pantry

Lab ID: 2249367007
Sample ID: 112-0724-MW7Date Collected: 7/25/2017 12:32 Matrix: Ground Water
Date Received: 7/27/2017 08:51

Parameters	Results	Flag	Units	RDL	Method	Prepared	By	Analyzed	By	Cntr
VOLATILE ORGANICS										
Benzene	ND		ug/L	1.0	SW846 8260B			7/28/17 13:42	DD	A
Ethylbenzene	ND		ug/L	1.0	SW846 8260B			7/28/17 13:42	DD	A
Isopropylbenzene	ND		ug/L	1.0	SW846 8260B			7/28/17 13:42	DD	A
Methyl t-Butyl Ether	ND		ug/L	1.0	SW846 8260B			7/28/17 13:42	DD	A
Naphthalene	ND		ug/L	2.0	SW846 8260B			7/28/17 13:42	DD	A
Toluene	ND		ug/L	1.0	SW846 8260B			7/28/17 13:42	DD	A
Total Xylenes	ND		ug/L	3.0	SW846 8260B			7/28/17 13:42	DD	A
1,2,4-Trimethylbenzene	ND		ug/L	1.0	SW846 8260B			7/28/17 13:42	DD	A
1,3,5-Trimethylbenzene	ND		ug/L	1.0	SW846 8260B			7/28/17 13:42	DD	A
<i>Surrogate Recoveries</i>	<i>Results</i>	<i>Flag</i>	<i>Units</i>	<i>Limits</i>	<i>Method</i>	<i>Prepared</i>	<i>By</i>	<i>Analyzed</i>	<i>By</i>	<i>Cntr</i>
1,2-Dichloroethane-d4 (S)	107		%	62 - 133	SW846 8260B			7/28/17 13:42	DD	A
4-Bromofluorobenzene (S)	96.1		%	79 - 114	SW846 8260B			7/28/17 13:42	DD	A
Dibromofluoromethane (S)	98.1		%	78 - 116	SW846 8260B			7/28/17 13:42	DD	A
Toluene-d8 (S)	91.9		%	76 - 127	SW846 8260B			7/28/17 13:42	DD	A

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ANALYTICAL RESULTS

Workorder: 2249367 Pump N Pantry

Lab ID: 2249367008
Sample ID: 112-0724-MW8

Date Collected: 7/24/2017 14:12 Matrix: Ground Water
Date Received: 7/27/2017 08:51

Parameters	Results	Flag	Units	RDL	Method	Prepared	By	Analyzed	By	Cntr
VOLATILE ORGANICS										
Benzene	ND		ug/L	1.0	SW846 8260B			7/28/17 14:03	DD	A
Ethylbenzene	ND		ug/L	1.0	SW846 8260B			7/28/17 14:03	DD	A
Isopropylbenzene	ND		ug/L	1.0	SW846 8260B			7/28/17 14:03	DD	A
Methyl t-Butyl Ether	ND		ug/L	1.0	SW846 8260B			7/28/17 14:03	DD	A
Naphthalene	ND		ug/L	2.0	SW846 8260B			7/28/17 14:03	DD	A
Toluene	ND		ug/L	1.0	SW846 8260B			7/28/17 14:03	DD	A
Total Xylenes	ND		ug/L	3.0	SW846 8260B			7/28/17 14:03	DD	A
1,2,4-Trimethylbenzene	ND		ug/L	1.0	SW846 8260B			7/28/17 14:03	DD	A
1,3,5-Trimethylbenzene	ND		ug/L	1.0	SW846 8260B			7/28/17 14:03	DD	A
<i>Surrogate Recoveries</i>	<i>Results</i>	<i>Flag</i>	<i>Units</i>	<i>Limits</i>	<i>Method</i>	<i>Prepared</i>	<i>By</i>	<i>Analyzed</i>	<i>By</i>	<i>Cntr</i>
1,2-Dichloroethane-d4 (S)	108		%	62 - 133	SW846 8260B			7/28/17 14:03	DD	A
4-Bromofluorobenzene (S)	97.2		%	79 - 114	SW846 8260B			7/28/17 14:03	DD	A
Dibromofluoromethane (S)	101		%	78 - 116	SW846 8260B			7/28/17 14:03	DD	A
Toluene-d8 (S)	92.7		%	76 - 127	SW846 8260B			7/28/17 14:03	DD	A

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ANALYTICAL RESULTS

Workorder: 2249367 Pump N Pantry

Lab ID: 2249367009
Sample ID: 112-0724-MW9

Date Collected: 7/24/2017 14:56 Matrix: Ground Water
Date Received: 7/27/2017 08:51

Parameters	Results	Flag	Units	RDL	Method	Prepared	By	Analyzed	By	Cntr
VOLATILE ORGANICS										
Benzene	ND		ug/L	1.0	SW846 8260B			7/28/17 14:25	DD	A
Ethylbenzene	ND		ug/L	1.0	SW846 8260B			7/28/17 14:25	DD	A
Isopropylbenzene	ND		ug/L	1.0	SW846 8260B			7/28/17 14:25	DD	A
Methyl t-Butyl Ether	ND		ug/L	1.0	SW846 8260B			7/28/17 14:25	DD	A
Naphthalene	ND		ug/L	2.0	SW846 8260B			7/28/17 14:25	DD	A
Toluene	ND		ug/L	1.0	SW846 8260B			7/28/17 14:25	DD	A
Total Xylenes	ND		ug/L	3.0	SW846 8260B			7/28/17 14:25	DD	A
1,2,4-Trimethylbenzene	ND		ug/L	1.0	SW846 8260B			7/28/17 14:25	DD	A
1,3,5-Trimethylbenzene	ND		ug/L	1.0	SW846 8260B			7/28/17 14:25	DD	A
<i>Surrogate Recoveries</i>	<i>Results</i>	<i>Flag</i>	<i>Units</i>	<i>Limits</i>	<i>Method</i>	<i>Prepared</i>	<i>By</i>	<i>Analyzed</i>	<i>By</i>	<i>Cntr</i>
1,2-Dichloroethane-d4 (S)	110		%	62 - 133	SW846 8260B			7/28/17 14:25	DD	A
4-Bromofluorobenzene (S)	96.8		%	79 - 114	SW846 8260B			7/28/17 14:25	DD	A
Dibromofluoromethane (S)	102		%	78 - 116	SW846 8260B			7/28/17 14:25	DD	A
Toluene-d8 (S)	93.5		%	76 - 127	SW846 8260B			7/28/17 14:25	DD	A

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ANALYTICAL RESULTS

Workorder: 2249367 Pump N Pantry

Lab ID: 2249367010
Sample ID: 112-0724-MW10

Date Collected: 7/25/2017 11:29 Matrix: Ground Water
Date Received: 7/27/2017 08:51

Parameters	Results	Flag	Units	RDL	Method	Prepared	By	Analyzed	By	Cntr
VOLATILE ORGANICS										
Benzene	ND		ug/L	1.0	SW846 8260B			7/28/17 14:47	DD	A
Ethylbenzene	ND		ug/L	1.0	SW846 8260B			7/28/17 14:47	DD	A
Isopropylbenzene	ND		ug/L	1.0	SW846 8260B			7/28/17 14:47	DD	A
Methyl t-Butyl Ether	ND		ug/L	1.0	SW846 8260B			7/28/17 14:47	DD	A
Naphthalene	ND		ug/L	2.0	SW846 8260B			7/28/17 14:47	DD	A
Toluene	ND		ug/L	1.0	SW846 8260B			7/28/17 14:47	DD	A
Total Xylenes	ND		ug/L	3.0	SW846 8260B			7/28/17 14:47	DD	A
1,2,4-Trimethylbenzene	ND		ug/L	1.0	SW846 8260B			7/28/17 14:47	DD	A
1,3,5-Trimethylbenzene	ND		ug/L	1.0	SW846 8260B			7/28/17 14:47	DD	A
<i>Surrogate Recoveries</i>	<i>Results</i>	<i>Flag</i>	<i>Units</i>	<i>Limits</i>	<i>Method</i>	<i>Prepared</i>	<i>By</i>	<i>Analyzed</i>	<i>By</i>	<i>Cntr</i>
1,2-Dichloroethane-d4 (S)	109		%	62 - 133	SW846 8260B			7/28/17 14:47	DD	A
4-Bromofluorobenzene (S)	96.6		%	79 - 114	SW846 8260B			7/28/17 14:47	DD	A
Dibromofluoromethane (S)	101		%	78 - 116	SW846 8260B			7/28/17 14:47	DD	A
Toluene-d8 (S)	92.3		%	76 - 127	SW846 8260B			7/28/17 14:47	DD	A

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ANALYTICAL RESULTS

Workorder: 2249367 Pump N Pantry

Lab ID: 2249367011
Sample ID: 112-0724-MW11

Date Collected: 7/25/2017 08:28 Matrix: Ground Water
Date Received: 7/27/2017 08:51

Parameters	Results	Flag	Units	RDL	Method	Prepared	By	Analyzed	By	Cntr
VOLATILE ORGANICS										
Benzene	ND		ug/L	1.0	SW846 8260B			7/28/17 15:09	DD	A
Ethylbenzene	ND		ug/L	1.0	SW846 8260B			7/28/17 15:09	DD	A
Isopropylbenzene	ND		ug/L	1.0	SW846 8260B			7/28/17 15:09	DD	A
Methyl t-Butyl Ether	ND		ug/L	1.0	SW846 8260B			7/28/17 15:09	DD	A
Naphthalene	ND		ug/L	2.0	SW846 8260B			7/28/17 15:09	DD	A
Toluene	ND		ug/L	1.0	SW846 8260B			7/28/17 15:09	DD	A
Total Xylenes	ND		ug/L	3.0	SW846 8260B			7/28/17 15:09	DD	A
1,2,4-Trimethylbenzene	ND		ug/L	1.0	SW846 8260B			7/28/17 15:09	DD	A
1,3,5-Trimethylbenzene	ND		ug/L	1.0	SW846 8260B			7/28/17 15:09	DD	A
<i>Surrogate Recoveries</i>	<i>Results</i>	<i>Flag</i>	<i>Units</i>	<i>Limits</i>	<i>Method</i>	<i>Prepared</i>	<i>By</i>	<i>Analyzed</i>	<i>By</i>	<i>Cntr</i>
1,2-Dichloroethane-d4 (S)	107		%	62 - 133	SW846 8260B			7/28/17 15:09	DD	A
4-Bromofluorobenzene (S)	96		%	79 - 114	SW846 8260B			7/28/17 15:09	DD	A
Dibromofluoromethane (S)	100		%	78 - 116	SW846 8260B			7/28/17 15:09	DD	A
Toluene-d8 (S)	91.4		%	76 - 127	SW846 8260B			7/28/17 15:09	DD	A

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ANALYTICAL RESULTS

Workorder: 2249367 Pump N Pantry

Lab ID: **2249367012**
Sample ID: **112-0724-MW12**

Date Collected: 7/25/2017 09:21 Matrix: Ground Water
Date Received: 7/27/2017 08:51

Parameters	Results	Flag	Units	RDL	Method	Prepared	By	Analyzed	By	Cntr
VOLATILE ORGANICS										
Benzene	1.3		ug/L	1.0	SW846 8260B			7/28/17 15:31	DD	A
Ethylbenzene	ND		ug/L	1.0	SW846 8260B			7/28/17 15:31	DD	A
Isopropylbenzene	ND		ug/L	1.0	SW846 8260B			7/28/17 15:31	DD	A
Methyl t-Butyl Ether	ND		ug/L	1.0	SW846 8260B			7/28/17 15:31	DD	A
Naphthalene	ND		ug/L	2.0	SW846 8260B			7/28/17 15:31	DD	A
Toluene	ND		ug/L	1.0	SW846 8260B			7/28/17 15:31	DD	A
Total Xylenes	ND		ug/L	3.0	SW846 8260B			7/28/17 15:31	DD	A
1,2,4-Trimethylbenzene	ND		ug/L	1.0	SW846 8260B			7/28/17 15:31	DD	A
1,3,5-Trimethylbenzene	ND		ug/L	1.0	SW846 8260B			7/28/17 15:31	DD	A
<i>Surrogate Recoveries</i>	<i>Results</i>	<i>Flag</i>	<i>Units</i>	<i>Limits</i>	<i>Method</i>	<i>Prepared</i>	<i>By</i>	<i>Analyzed</i>	<i>By</i>	<i>Cntr</i>
1,2-Dichloroethane-d4 (S)	109		%	62 - 133	SW846 8260B			7/28/17 15:31	DD	A
4-Bromofluorobenzene (S)	95.6		%	79 - 114	SW846 8260B			7/28/17 15:31	DD	A
Dibromofluoromethane (S)	101		%	78 - 116	SW846 8260B			7/28/17 15:31	DD	A
Toluene-d8 (S)	91.5		%	76 - 127	SW846 8260B			7/28/17 15:31	DD	A



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ANALYTICAL RESULTS

Workorder: 2249367 Pump N Pantry

Lab ID: 2249367013
Sample ID: 112-0724-MW13

Date Collected: 7/25/2017 10:07 Matrix: Ground Water
Date Received: 7/27/2017 08:51

Parameters	Results	Flag	Units	RDL	Method	Prepared	By	Analyzed	By	Cntr
VOLATILE ORGANICS										
Benzene	ND		ug/L	1.0	SW846 8260B			7/28/17 15:53	DD	A
Ethylbenzene	ND		ug/L	1.0	SW846 8260B			7/28/17 15:53	DD	A
Isopropylbenzene	ND		ug/L	1.0	SW846 8260B			7/28/17 15:53	DD	A
Methyl t-Butyl Ether	ND		ug/L	1.0	SW846 8260B			7/28/17 15:53	DD	A
Naphthalene	ND		ug/L	2.0	SW846 8260B			7/28/17 15:53	DD	A
Toluene	ND		ug/L	1.0	SW846 8260B			7/28/17 15:53	DD	A
Total Xylenes	ND		ug/L	3.0	SW846 8260B			7/28/17 15:53	DD	A
1,2,4-Trimethylbenzene	ND		ug/L	1.0	SW846 8260B			7/28/17 15:53	DD	A
1,3,5-Trimethylbenzene	ND		ug/L	1.0	SW846 8260B			7/28/17 15:53	DD	A
<i>Surrogate Recoveries</i>	<i>Results</i>	<i>Flag</i>	<i>Units</i>	<i>Limits</i>	<i>Method</i>	<i>Prepared</i>	<i>By</i>	<i>Analyzed</i>	<i>By</i>	<i>Cntr</i>
1,2-Dichloroethane-d4 (S)	108		%	62 - 133	SW846 8260B			7/28/17 15:53	DD	A
4-Bromofluorobenzene (S)	96		%	79 - 114	SW846 8260B			7/28/17 15:53	DD	A
Dibromofluoromethane (S)	101		%	78 - 116	SW846 8260B			7/28/17 15:53	DD	A
Toluene-d8 (S)	92.6		%	76 - 127	SW846 8260B			7/28/17 15:53	DD	A

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ANALYTICAL RESULTS

Workorder: 2249367 Pump N Pantry

Lab ID: 2249367014
Sample ID: 112-0724-MW14

Date Collected: 7/25/2017 10:51 Matrix: Ground Water
Date Received: 7/27/2017 08:51

Parameters	Results	Flag	Units	RDL	Method	Prepared	By	Analyzed	By	Cntr
VOLATILE ORGANICS										
Benzene	ND		ug/L	1.0	SW846 8260B			7/28/17 16:15	DD	A
Ethylbenzene	ND		ug/L	1.0	SW846 8260B			7/28/17 16:15	DD	A
Isopropylbenzene	ND		ug/L	1.0	SW846 8260B			7/28/17 16:15	DD	A
Methyl t-Butyl Ether	ND		ug/L	1.0	SW846 8260B			7/28/17 16:15	DD	A
Naphthalene	ND		ug/L	2.0	SW846 8260B			7/28/17 16:15	DD	A
Toluene	ND		ug/L	1.0	SW846 8260B			7/28/17 16:15	DD	A
Total Xylenes	ND		ug/L	3.0	SW846 8260B			7/28/17 16:15	DD	A
1,2,4-Trimethylbenzene	ND		ug/L	1.0	SW846 8260B			7/28/17 16:15	DD	A
1,3,5-Trimethylbenzene	ND		ug/L	1.0	SW846 8260B			7/28/17 16:15	DD	A
<i>Surrogate Recoveries</i>	<i>Results</i>	<i>Flag</i>	<i>Units</i>	<i>Limits</i>	<i>Method</i>	<i>Prepared</i>	<i>By</i>	<i>Analyzed</i>	<i>By</i>	<i>Cntr</i>
1,2-Dichloroethane-d4 (S)	109		%	62 - 133	SW846 8260B			7/28/17 16:15	DD	A
4-Bromofluorobenzene (S)	93.3		%	79 - 114	SW846 8260B			7/28/17 16:15	DD	A
Dibromofluoromethane (S)	102		%	78 - 116	SW846 8260B			7/28/17 16:15	DD	A
Toluene-d8 (S)	91.5		%	76 - 127	SW846 8260B			7/28/17 16:15	DD	A

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ANALYTICAL RESULTS

Workorder: 2249367 Pump N Pantry

Lab ID: 2249367015
Sample ID: 112-0724-RW1

Date Collected: 7/24/2017 11:44 Matrix: Ground Water
Date Received: 7/27/2017 08:51

Parameters	Results	Flag	Units	RDL	Method	Prepared	By	Analyzed	By	Cntr
VOLATILE ORGANICS										
Benzene	ND		ug/L	1.0	SW846 8260B			7/28/17 16:37	DD	A
Ethylbenzene	ND		ug/L	1.0	SW846 8260B			7/28/17 16:37	DD	A
Isopropylbenzene	ND		ug/L	1.0	SW846 8260B			7/28/17 16:37	DD	A
Methyl t-Butyl Ether	ND		ug/L	1.0	SW846 8260B			7/28/17 16:37	DD	A
Naphthalene	ND		ug/L	2.0	SW846 8260B			7/28/17 16:37	DD	A
Toluene	ND		ug/L	1.0	SW846 8260B			7/28/17 16:37	DD	A
Total Xylenes	ND		ug/L	3.0	SW846 8260B			7/28/17 16:37	DD	A
1,2,4-Trimethylbenzene	ND		ug/L	1.0	SW846 8260B			7/28/17 16:37	DD	A
1,3,5-Trimethylbenzene	ND		ug/L	1.0	SW846 8260B			7/28/17 16:37	DD	A
<i>Surrogate Recoveries</i>	<i>Results</i>	<i>Flag</i>	<i>Units</i>	<i>Limits</i>	<i>Method</i>	<i>Prepared</i>	<i>By</i>	<i>Analyzed</i>	<i>By</i>	<i>Cntr</i>
1,2-Dichloroethane-d4 (S)	109		%	62 - 133	SW846 8260B			7/28/17 16:37	DD	A
4-Bromofluorobenzene (S)	94.8		%	79 - 114	SW846 8260B			7/28/17 16:37	DD	A
Dibromofluoromethane (S)	100		%	78 - 116	SW846 8260B			7/28/17 16:37	DD	A
Toluene-d8 (S)	91.3		%	76 - 127	SW846 8260B			7/28/17 16:37	DD	A

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ANALYTICAL RESULTS

Workorder: 2249367 Pump N Pantry

Lab ID: **2249367016**
Sample ID: **112-0724-FB1**

Date Collected: 7/24/2017 15:00 Matrix: Ground Water
Date Received: 7/27/2017 08:51

Parameters	Results	Flag	Units	RDL	Method	Prepared	By	Analyzed	By	Cntr
VOLATILE ORGANICS										
Benzene	ND		ug/L	1.0	SW846 8260B			7/28/17 11:52	DD	A
Ethylbenzene	ND		ug/L	1.0	SW846 8260B			7/28/17 11:52	DD	A
Isopropylbenzene	ND		ug/L	1.0	SW846 8260B			7/28/17 11:52	DD	A
Methyl t-Butyl Ether	ND		ug/L	1.0	SW846 8260B			7/28/17 11:52	DD	A
Naphthalene	ND		ug/L	2.0	SW846 8260B			7/28/17 11:52	DD	A
Toluene	ND		ug/L	1.0	SW846 8260B			7/28/17 11:52	DD	A
Total Xylenes	ND		ug/L	3.0	SW846 8260B			7/28/17 11:52	DD	A
1,2,4-Trimethylbenzene	ND		ug/L	1.0	SW846 8260B			7/28/17 11:52	DD	A
1,3,5-Trimethylbenzene	ND		ug/L	1.0	SW846 8260B			7/28/17 11:52	DD	A
<i>Surrogate Recoveries</i>	<i>Results</i>	<i>Flag</i>	<i>Units</i>	<i>Limits</i>	<i>Method</i>	<i>Prepared</i>	<i>By</i>	<i>Analyzed</i>	<i>By</i>	<i>Cntr</i>
1,2-Dichloroethane-d4 (S)	107		%	62 - 133	SW846 8260B			7/28/17 11:52	DD	A
4-Bromofluorobenzene (S)	98.2		%	79 - 114	SW846 8260B			7/28/17 11:52	DD	A
Dibromofluoromethane (S)	98.5		%	78 - 116	SW846 8260B			7/28/17 11:52	DD	A
Toluene-d8 (S)	92.8		%	76 - 127	SW846 8260B			7/28/17 11:52	DD	A



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ANALYTICAL RESULTS

Workorder: 2249367 Pump N Pantry

Lab ID: **2249367017**
Sample ID: **112-0724-FB2**

Date Collected: 7/25/2017 12:35 Matrix: Ground Water
Date Received: 7/27/2017 08:51

Parameters	Results	Flag	Units	RDL	Method	Prepared	By	Analyzed	By	Cntr
VOLATILE ORGANICS										
Benzene	ND		ug/L	1.0	SW846 8260B			7/28/17 12:14	DD	A
Ethylbenzene	ND		ug/L	1.0	SW846 8260B			7/28/17 12:14	DD	A
Isopropylbenzene	ND		ug/L	1.0	SW846 8260B			7/28/17 12:14	DD	A
Methyl t-Butyl Ether	ND		ug/L	1.0	SW846 8260B			7/28/17 12:14	DD	A
Naphthalene	ND		ug/L	2.0	SW846 8260B			7/28/17 12:14	DD	A
Toluene	ND		ug/L	1.0	SW846 8260B			7/28/17 12:14	DD	A
Total Xylenes	ND		ug/L	3.0	SW846 8260B			7/28/17 12:14	DD	A
1,2,4-Trimethylbenzene	ND		ug/L	1.0	SW846 8260B			7/28/17 12:14	DD	A
1,3,5-Trimethylbenzene	ND		ug/L	1.0	SW846 8260B			7/28/17 12:14	DD	A
<i>Surrogate Recoveries</i>	<i>Results</i>	<i>Flag</i>	<i>Units</i>	<i>Limits</i>	<i>Method</i>	<i>Prepared</i>	<i>By</i>	<i>Analyzed</i>	<i>By</i>	<i>Cntr</i>
1,2-Dichloroethane-d4 (S)	108		%	62 - 133	SW846 8260B			7/28/17 12:14	DD	A
4-Bromofluorobenzene (S)	99.1		%	79 - 114	SW846 8260B			7/28/17 12:14	DD	A
Dibromofluoromethane (S)	98.9		%	78 - 116	SW846 8260B			7/28/17 12:14	DD	A
Toluene-d8 (S)	92.4		%	76 - 127	SW846 8260B			7/28/17 12:14	DD	A



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**PARAMETER QUALIFIERS**

Lab ID	#	Sample ID	Analytical Method	Analyte
2249367001	1	112-0724-MW1	SW846 8260B	Naphthalene
The QC sample type MS for method SW846 8260B was outside the control limits for the analyte Naphthalene. The % Recovery was reported as 49.6 and the control limits were 56 to 134.				
2249367001	2	112-0724-MW1	SW846 8260B	Benzene
The QC sample type MS for method SW846 8260B was outside the control limits for the analyte Benzene. The % Recovery was reported as 128 and the control limits were 80 to 124.				

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Middletown, PA 17057
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F. 717-944-1430

Environmetal

CHAIN OF CUSTODY/ REQUEST FOR ANALYSIS

Page 1 of 3
Courier: **FED EX**
Tracking #: **8117 5117**



Co. Name: **Pennsylvania Tectionics Inc**
Contact (person to): **Martin Gilgallon**
Address: **723 Main Street**
Archbald PA 18403
Phone: **570-487-1959**

Bill to (if different than Report to):

PO#:

Project Name/ID: **Pump N Pantry 001/25112 ALS Quote #:**

TAT: ☒ Normal-Standard TAT is 10-12 business days.
☐ Rush-Subject to ALS approval and surcharges.

Email? ☒ Y ☐ N Fax? ☐ Y ☐ N
Sample Description/Location (as it will appear on the lab report)

Sample Description/Location (as it will appear on the lab report)	COC Comments	Sample Date	Military Time
1 112 - 0724 - MW1		7/24/17	1030
2 112 - 0724 - MW2		7/24/17	1547
3 112 - 0724 - MW3		7/25/17	1515
4 112 - 0724 - MW4		7/25/17	1440
5 112 - 0724 - MW5		7/25/17	1404
6 112 - 0724 - MW6		7/25/17	1324
7 112 - 0724 - MW7		7/25/17	1232
8 112 - 0724 - MW8		7/24/17	1412

SAMPLED BY (Please Print):

Chris Herman

Project Comments:

Relinquished By / Company Name	Date	Time	Received By / Company Name	Date	Time
1 Chris Herman / PA Tectionics	7/24/17	0730	Susan Navak / PA Tectionics	7/24/17	0730
3 Susan Navak / PA Tectionics	7/24/17	1400	FED EX 8117 5117 4761	7/26/17	1857
5			6 SWW	7/27	0857
7			8		
9			10		

* Gr-Grab; C-Composita

** Matrix: A=Air; DW=Drinking Water; GW=Groundwater; O=Oil; OL=Other Liquid; SL=Sludge; SO=Soil; WP=Wipe; WW=Wastewater

*** Container Type: AG-Ambur Glass; CG-Clear Glass, PL-Plastic, Container Size: 250ml, 500ml, 1L, 5oz., etc. Preservative: HCL, HNO3, NaOH, etc.

Copies: WHITE - ORIGINAL CANARY - CUSTOMER COPY

Rev 01-2013

ANALYSES/METHOD REQUESTED

Enter Number of Containers Per Analysis

Container in good condition? ☒ Y ☐ N
COC/Labels complete/accurate? ☒ Y ☐ N
Received on ice? ☒ Y ☐ N
(If present) Seals intact? ☒ Y ☐ N
Correct sample volume? ☒ Y ☐ N
Correct container? ☒ Y ☐ N
Headspace/Volatiles? ☒ Y ☐ N
Circle appropriate Y or N.

ALS FIELD SERVICES
Pickup ☐
Labor ☐
Composita Sampling ☐
Rental Equipment ☐
Other: ☐

SWHA Forms ☐ yes ☐ no
Standard ☒ CLP-like ☐ NJ-Reduced ☐ NJ-Full ☐ Other: ☐

Santa Samples Collected in? ☐ MD ☐ NJ ☐ NY ☒ PA

EDS Required? ☐ if yes, format type: ☐

DOD Criteria Required? ☐

Container Type: **CG**
Container Size: **40L**
Preservative: **HCL**

Therm. ID: **352**
No. of Coolers: **1**
Cooler Temp: **2**
Notes:

Unleaded Gasoline

Matrix: **G**

Project Comments:

8117 5117 2208

7-27-17 2208



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F. 717-944-1430

Environmental

CHAIN OF CUSTODY/ REQUEST FOR ANALYSIS

Page 2 of 3
Courier: FED EX
Tracking #: 8117 5117

22499367

Co. Name: Pennsylvania Tectonics Inc.
Contact (Report to): Martin Gilgallon Phone: 570-487-1959
Address: 723 Main Street
Archbald PA 15403

Bill to (if different than Report to):

PO#:

Project Name/ID: Pump N Pasty 001 / 25112 ALS Quote #:

TAT: ☒ Normal-Standard TAT is 10-12 business days.
☐ Rush-Subject to ALS approval and surcharges.

Email? ☒ Y ☐ N No: mgilgallon@pa.tectonics.com

Sample Description/Location (as it will appear on the lab report)	COC Comments	Sample Date	Military Time
1 112 - 0724 - MW9		7/24/17	1450
2 112 - 0724 - MW10		7/25/17	1129
3 112 - 0724 - MW11		7/25/17	0828
4 112 - 0724 - MW12		7/25/17	0921
5 112 - 0724 - MW13		7/25/17	1007
6 112 - 0724 - MW14		7/25/17	1057
7 112 - 0724 - RW1		7/24/17	1144
8 112 - 0724 - FB1		7/24/17	1500

SAMPLED BY (Please Print):

Chris Herman

Project Comments:

Relinquished By / Company Name	Date	Time	Received By / Company Name	Date	Time
1 <u>Chris Yedem / PA Tectonics</u>	7/26/17	0730	2 <u>Sharon Noveck / PA Tectonics</u>	7/26/17	0730
3 <u>Sharon Noveck / PA Tectonics</u>	7/26/17	1400	4 <u>FED EX 8117 5117 6761</u>	7/26/17	
5			6	7/27/17	0851
7			8		
9			10		

* G=Grab; C=Composite

**Matrix: A=Air; D=Drinking Water; GW=Groundwater; O=Oil; OL=Other Liquid; SL=Sludge; SQ=Soil; WP=Wipe; WW=Wastewater

Copies: WHITE - ORIGINAL CANARY - CUSTOMER COPY

***Container Type: AG-Ambic Glass; CG-Clear Glass, PL-Plastic, Container Size: 250ml, 500ml, 1L, 8oz, etc. Preservative: HCl, HNO3, NaOH, etc.

Rev 01-2013



August 3, 2017

Mr. Marty Gilgallon
PA Tectonics
723 Main Street
Archbald, PA 18403

Certificate of Analysis

Project Name: **Pump N Pantry**Workorder: **2249368**

Purchase Order:

Workorder ID: **Pump N Pantry**

Dear Mr. Gilgallon:

Enclosed are the analytical results for samples received by the laboratory on Thursday, July 27, 2017.

The ALS Environmental laboratory in Middletown, Pennsylvania is a National Environmental Laboratory Accreditation Program (NELAP) accredited laboratory and as such, certifies that all applicable test results meet the requirements of NELAP.

If you have any questions regarding this certificate of analysis, please contact Ms. Amy K Borden (Project Coordinator) at (717) 944-5541.

Analyses were performed according to our laboratory's NELAP-approved quality assurance program and any applicable state requirements. The test results meet requirements of the current NELAP standards or state requirements, where applicable. For a specific list of accredited analytes, refer to the certifications section of the ALS website at www.alsglobal.com/en/Our-Services/Life-Sciences/Environmental/Downloads.

This laboratory report may not be reproduced, except in full, without the written approval of ALS Environmental.

ALS Spring City: 10 Riverside Drive, Spring City, PA 19475 610-948-4903

Ms. Amy K Borden

Project Coordinator

This page is included as part of the Analytical Report and must be retained as a permanent record thereof.

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**SAMPLE SUMMARY**

Workorder: 2249368 Pump N Pantry

Lab ID	Sample ID	Matrix	Date Collected	Date Received	Collected By
2249368001	112-0724-OW1	Ground Water	7/24/2017 11:00	7/27/2017 08:51	Collected by Client
2249368002	112-0724-OW2	Ground Water	7/24/2017 11:22	7/27/2017 08:51	Collected by Client
2249368003	112-0724-OW4	Ground Water	7/24/2017 12:15	7/27/2017 08:51	Collected by Client
2249368004	112-0724-OW3	Ground Water	7/24/2017 12:39	7/27/2017 08:51	Collected by Client

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Vancouver Waterloo · Winnipeg · Yellowknife **United States:** Cincinnati · Everett · Fort Collins · Holland · Houston · Middletown · Salt Lake City · Spring City · York **Mexico:** Monterrey

SAMPLE SUMMARY

Workorder: 2249368 Pump N Pantry

Notes

- Samples collected by ALS personnel are done so in accordance with the procedures set forth in the ALS Field Sampling Plan (20 - Field Services Sampling Plan).
- All Waste Water analyses comply with methodology requirements of 40 CFR Part 136.
- All Drinking Water analyses comply with methodology requirements of 40 CFR Part 141.
- Unless otherwise noted, all quantitative results for soils are reported on a dry weight basis.
- The Chain of Custody document is included as part of this report.
- All Library Search analytes should be regarded as tentative identifications based on the presumptive evidence of the mass spectra. Concentrations reported are estimated values.
- Parameters identified as "analyze immediately" require analysis within 15 minutes of collection. Any "analyze immediately" parameters not listed under the header "Field Parameters" are performed in the laboratory and are therefore analyzed out of hold time.
- Method references listed on this report beginning with the prefix "S" followed by a method number (such as S2310B-97) refer to methods from "Standard Methods for the Examination of Water and Wastewater".
- For microbiological analyses, the "Prepared" value is the date/time into the incubator and the "Analyzed" value is the date/time out the incubator.

Standard Acronyms/Flags

J	Indicates an estimated value between the Method Detection Limit (MDL) and the Practical Quantitation Limit (PQL) for the analyte
U	Indicates that the analyte was Not Detected (ND)
N	Indicates presumptive evidence of the presence of a compound
MDL	Method Detection Limit
PQL	Practical Quantitation Limit
RDL	Reporting Detection Limit
ND	Not Detected - indicates that the analyte was Not Detected at the RDL
Cntr	Analysis was performed using this container
RegLmt	Regulatory Limit
LCS	Laboratory Control Sample
MS	Matrix Spike
MSD	Matrix Spike Duplicate
DUP	Sample Duplicate
%Rec	Percent Recovery
RPD	Relative Percent Difference
LOD	DoD Limit of Detection
LOQ	DoD Limit of Quantitation
DL	DoD Detection Limit
I	Indicates reported value is greater than or equal to the Method Detection Limit (MDL) but less than the Report Detection Limit (RDL)
(S)	Surrogate Compound
NC	Not Calculated
*	Result outside of QC limits

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ANALYTICAL RESULTS

Workorder: 2249368 Pump N Pantry

Lab ID: **2249368001**
Sample ID: **112-0724-OW1**

Date Collected: 7/24/2017 11:00 Matrix: Ground Water
Date Received: 7/27/2017 08:51

Parameters	Results	Flag	Units	RDL	Method	Prepared	By	Analyzed	By	Cntr
VOLATILE ORGANICS										
Benzene	ND		ug/L	1.0	SW846 8260B			7/28/17 18:27	DD	A
Ethylbenzene	ND		ug/L	1.0	SW846 8260B			7/28/17 18:27	DD	A
Isopropylbenzene	ND		ug/L	1.0	SW846 8260B			7/28/17 18:27	DD	A
Methyl t-Butyl Ether	ND		ug/L	1.0	SW846 8260B			7/28/17 18:27	DD	A
Naphthalene	ND		ug/L	2.0	SW846 8260B			7/28/17 18:27	DD	A
Toluene	ND		ug/L	1.0	SW846 8260B			7/28/17 18:27	DD	A
Total Xylenes	ND		ug/L	3.0	SW846 8260B			7/28/17 18:27	DD	A
1,2,4-Trimethylbenzene	ND		ug/L	1.0	SW846 8260B			7/28/17 18:27	DD	A
1,3,5-Trimethylbenzene	ND		ug/L	1.0	SW846 8260B			7/28/17 18:27	DD	A
<i>Surrogate Recoveries</i>	<i>Results</i>	<i>Flag</i>	<i>Units</i>	<i>Limits</i>	<i>Method</i>	<i>Prepared</i>	<i>By</i>	<i>Analyzed</i>	<i>By</i>	<i>Cntr</i>
1,2-Dichloroethane-d4 (S)	110		%	62 - 133	SW846 8260B			7/28/17 18:27	DD	A
4-Bromofluorobenzene (S)	95.3		%	79 - 114	SW846 8260B			7/28/17 18:27	DD	A
Dibromofluoromethane (S)	101		%	78 - 116	SW846 8260B			7/28/17 18:27	DD	A
Toluene-d8 (S)	91.9		%	76 - 127	SW846 8260B			7/28/17 18:27	DD	A



Ms. Amy K Borden
Project Coordinator

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ANALYTICAL RESULTS

Workorder: 2249368 Pump N Pantry

Lab ID: **2249368002**
Sample ID: **112-0724-OW2**

Date Collected: 7/24/2017 11:22 Matrix: Ground Water
Date Received: 7/27/2017 08:51

Parameters	Results	Flag	Units	RDL	Method	Prepared	By	Analyzed	By	Cntr
VOLATILE ORGANICS										
Benzene	ND		ug/L	1.0	SW846 8260B			7/28/17 18:48	DD	A
Ethylbenzene	ND		ug/L	1.0	SW846 8260B			7/28/17 18:48	DD	A
Isopropylbenzene	ND		ug/L	1.0	SW846 8260B			7/28/17 18:48	DD	A
Methyl t-Butyl Ether	ND		ug/L	1.0	SW846 8260B			7/28/17 18:48	DD	A
Naphthalene	ND		ug/L	2.0	SW846 8260B			7/28/17 18:48	DD	A
Toluene	ND		ug/L	1.0	SW846 8260B			7/28/17 18:48	DD	A
Total Xylenes	ND		ug/L	3.0	SW846 8260B			7/28/17 18:48	DD	A
1,2,4-Trimethylbenzene	ND		ug/L	1.0	SW846 8260B			7/28/17 18:48	DD	A
1,3,5-Trimethylbenzene	ND		ug/L	1.0	SW846 8260B			7/28/17 18:48	DD	A
<i>Surrogate Recoveries</i>	<i>Results</i>	<i>Flag</i>	<i>Units</i>	<i>Limits</i>	<i>Method</i>	<i>Prepared</i>	<i>By</i>	<i>Analyzed</i>	<i>By</i>	<i>Cntr</i>
1,2-Dichloroethane-d4 (S)	108		%	62 - 133	SW846 8260B			7/28/17 18:48	DD	A
4-Bromofluorobenzene (S)	92.9		%	79 - 114	SW846 8260B			7/28/17 18:48	DD	A
Dibromofluoromethane (S)	98.3		%	78 - 116	SW846 8260B			7/28/17 18:48	DD	A
Toluene-d8 (S)	90		%	76 - 127	SW846 8260B			7/28/17 18:48	DD	A



Ms. Amy K Borden
Project Coordinator

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ANALYTICAL RESULTS

Workorder: 2249368 Pump N Pantry

Lab ID: 2249368003
Sample ID: 112-0724-OW4

Date Collected: 7/24/2017 12:15 Matrix: Ground Water
Date Received: 7/27/2017 08:51

Parameters	Results	Flag	Units	RDL	Method	Prepared	By	Analyzed	By	Cntr
VOLATILE ORGANICS										
Benzene	43.9		ug/L	1.0	SW846 8260B			7/31/17 17:20	JAH	A
Ethylbenzene	601		ug/L	50.0	SW846 8260B			8/2/17 18:47	TMP	B
Isopropylbenzene	64.2		ug/L	1.0	SW846 8260B			7/31/17 17:20	JAH	A
Methyl t-Butyl Ether	1.4		ug/L	1.0	SW846 8260B			7/31/17 17:20	JAH	A
Naphthalene	140		ug/L	100	SW846 8260B			8/2/17 18:47	TMP	B
Toluene	1360		ug/L	50.0	SW846 8260B			8/2/17 18:47	TMP	B
Total Xylenes	11100		ug/L	150	SW846 8260B			8/2/17 18:47	TMP	B
1,2,4-Trimethylbenzene	2340		ug/L	50.0	SW846 8260B			8/2/17 18:47	TMP	B
1,3,5-Trimethylbenzene	763		ug/L	50.0	SW846 8260B			8/2/17 18:47	TMP	B
<i>Surrogate Recoveries</i>	<i>Results</i>	<i>Flag</i>	<i>Units</i>	<i>Limits</i>	<i>Method</i>	<i>Prepared</i>	<i>By</i>	<i>Analyzed</i>	<i>By</i>	<i>Cntr</i>
1,2-Dichloroethane-d4 (S)	83.5		%	62 - 133	SW846 8260B			8/2/17 18:47	TMP	B
1,2-Dichloroethane-d4 (S)	82.5		%	62 - 133	SW846 8260B			7/31/17 17:20	JAH	A
4-Bromofluorobenzene (S)	90.6		%	79 - 114	SW846 8260B			8/2/17 18:47	TMP	B
4-Bromofluorobenzene (S)	86.2		%	79 - 114	SW846 8260B			7/31/17 17:20	JAH	A
Dibromofluoromethane (S)	89.2		%	78 - 116	SW846 8260B			8/2/17 18:47	TMP	B
Dibromofluoromethane (S)	87.7		%	78 - 116	SW846 8260B			7/31/17 17:20	JAH	A
Toluene-d8 (S)	102		%	76 - 127	SW846 8260B			8/2/17 18:47	TMP	B
Toluene-d8 (S)	88.9		%	76 - 127	SW846 8260B			7/31/17 17:20	JAH	A

Ms. Amy K Borden
Project Coordinator

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ANALYTICAL RESULTS

Workorder: 2249368 Pump N Pantry

Lab ID: 2249368004
Sample ID: 112-0724-OW3

Date Collected: 7/24/2017 12:39 Matrix: Ground Water
Date Received: 7/27/2017 08:51

Parameters	Results	Flag	Units	RDL	Method	Prepared	By	Analyzed	By	Cntr
VOLATILE ORGANICS										
Benzene	ND		ug/L	1.0	SW846 8260B			8/2/17 19:05	TMP	B
Ethylbenzene	ND		ug/L	1.0	SW846 8260B			8/2/17 19:05	TMP	B
Isopropylbenzene	ND		ug/L	1.0	SW846 8260B			8/2/17 19:05	TMP	B
Methyl t-Butyl Ether	ND		ug/L	1.0	SW846 8260B			8/2/17 19:05	TMP	B
Naphthalene	ND		ug/L	2.0	SW846 8260B			8/2/17 19:05	TMP	B
Toluene	ND		ug/L	1.0	SW846 8260B			8/2/17 19:05	TMP	B
Total Xylenes	5.0		ug/L	3.0	SW846 8260B			8/2/17 19:05	TMP	B
1,2,4-Trimethylbenzene	ND		ug/L	1.0	SW846 8260B			8/2/17 19:05	TMP	B
1,3,5-Trimethylbenzene	ND		ug/L	1.0	SW846 8260B			8/2/17 19:05	TMP	B
<i>Surrogate Recoveries</i>	<i>Results</i>	<i>Flag</i>	<i>Units</i>	<i>Limits</i>	<i>Method</i>	<i>Prepared</i>	<i>By</i>	<i>Analyzed</i>	<i>By</i>	<i>Cntr</i>
1,2-Dichloroethane-d4 (S)	83		%	62 - 133	SW846 8260B			8/2/17 19:05	TMP	B
4-Bromofluorobenzene (S)	98.3		%	79 - 114	SW846 8260B			8/2/17 19:05	TMP	B
Dibromofluoromethane (S)	87.8		%	78 - 116	SW846 8260B			8/2/17 19:05	TMP	B
Toluene-d8 (S)	96.5		%	76 - 127	SW846 8260B			8/2/17 19:05	TMP	B

Ms. Amy K Borden
Project Coordinator

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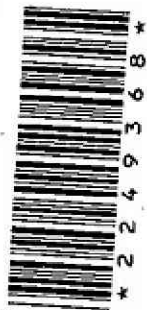


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Environmental

**CHAIN OF CUSTODY/
REQUEST FOR ANALYSIS**
ALL SHADED AREAS MUST BE COMPLETED BY THE CLIENT/
SAMPLER. INSTRUCTIONS ON THE BACK.

Page 1 of 1
Courier: **FEDEX**
Tracking #: **8117 5117**



Co. Name: **Pennsylvania Tectonics Inc.**
Contact (Report to): **Martin Gilgallon**
Address: **723 main street
Archbald PA 15403**
Phone: **570-487-1959**

Bill to (if different than Report to):

PO#:

Project Name/ID: **Pump N Party 001/25112** ALS Quote #:

TAT: ☒ Normal-Standard TAT is 10-12 business days.
☐ Rush-Subject to ALS approval and surcharges.

Email? ☒ Y ☐ N Fax? ☐ Y ☐ N No.:

Sample Description/Location (as it will appear on the lab report)	COC Comments	Sample Date	Military Time
1 112 - 0724 - OW1		7/24/17	1100
2 112 - 0724 - OW2		7/24/17	1121
3 112 - 0724 - OW3		7/24/17	1215
4 112 - 0724 - OW4		7/24/17	1239
5			
6 received 4 vials OW3, on one OW4 crossed out			
7 gml		7/27/17	
8			

SAMPLED BY (Please Print):

Chris Herman

Project Comments:

Relinquished By / Company Name	Date	Time	Received By / Company Name	Date	Time
1 Chris Yarn / PA Tectonics	7/26/17	0730	Susan Navak / PA Tectonics	7/26/17	0730
3 Susan Navak / PA Tectonics	7/26/17	1400	4 FED EX 8117 5117 6761	7/26/17	
5			6 JDL	7/27/17	0851
7			8		
9			10		

* G=Grab; C=Composite

**Matrix: AB=Air; DW=Drinking Water; GW=Groundwater; O=Oil; OL=Other Liquid; SL=Sludge; SO=Soil; WP=Wipe; WW=Wastewater

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ANALYSES/METHOD REQUESTED

Container Type: **CG**
Container Size: **40L**
Preservative: **HCA**

Therm. ID: **352**
Cooler Temp: **20**
No. of Coolers: **1**
Notes:

Correct containers? ☒ Y ☐ N
Correct sample volume? ☒ Y ☐ N
Correct preservation? ☒ Y ☐ N
Headspace/Volatiles? ☒ Y ☐ N
COC/Labels complete/accurate? ☒ Y ☐ N
Received on ice? ☒ Y ☐ N
(if present) Seals intact? ☒ Y ☐ N
Custody seals Present? ☒ Y ☐ N
Container in good condition? ☒ Y ☐ N

Enter Number of Containers Per Analysis

Standard ☒ CLP-like ☐ NJ-Reduced ☐ NJ-Full ☐ If yes, format type: **see**

SWA Form? ☐ yes ☐ no
Data Deliverables ☒ Standard ☐ CLP-like ☐ NJ-Reduced ☐ NJ-Full ☐ If yes, format type: **see**

Seto Samples Collected in? ☐ MD ☐ NJ ☐ NY ☒ PA

ALS FIELD SERVICES
☐ Pickup ☐ Labor ☐ Composite Sampling ☐ Rental Equipment ☐ Other:

OOD Criteria Required? ☐ YES ☒ NO

Container Type: AG=Amber Glass; CG=Clear Glass, PL=Plastic. Container Size: 250ml, 500ml, 1L, 8oz., etc. Preservative: HCl, HNO3, NaOH, etc.

Rev 01-2013

APPENDIX R-9

Groundwater Analytical Data Sheets

November 2017 Groundwater Sampling Activities

November 15, 2017

Mr. Kevin Cucura
LaBella-Dunmore
1000 Dunham Drive
Suite B
Scranton, PA 18512

Certificate of Analysis

Project Name: 2171845/Pump-n-Pantry #001	Workorder: 2274404
Purchase Order:	Workorder ID: 2171845/Pump-n-Pantry #001

Dear Mr. Cucura:

Enclosed are the analytical results for samples received by the laboratory on Tuesday, November 7, 2017.

The ALS Environmental laboratory in Middletown, Pennsylvania is a National Environmental Laboratory Accreditation Program (NELAP) accredited laboratory and as such, certifies that all applicable test results meet the requirements of NELAP.

If you have any questions regarding this certificate of analysis, please contact Ms. Amy K Borden (Project Coordinator) at (717) 944-5541.

Analyses were performed according to our laboratory's NELAP-approved quality assurance program and any applicable state requirements. The test results meet requirements of the current NELAP standards or state requirements, where applicable. For a specific list of accredited analytes, refer to the certifications section of the ALS website at www.alsglobal.com/en/Our-Services/Life-Sciences/Environmental/Downloads.

This laboratory report may not be reproduced, except in full, without the written approval of ALS Environmental.

ALS Spring City: 10 Riverside Drive, Spring City, PA 19475 610-948-4903

CC: Mr. Marty Gilgallon

This page is included as part of the Analytical Report and must be retained as a permanent record thereof.



Ms. Amy K Borden
Project Coordinator

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**SAMPLE SUMMARY**

Workorder: 2274404 2171845/Pump-n-Pantry #001

Lab ID	Sample ID	Matrix	Date Collected	Date Received	Collected By
2274404001	112-1102-MW1	Ground Water	11/2/2017 10:35	11/7/2017 09:04	Collected by Client
2274404002	112-1102-MW2	Ground Water	11/3/2017 11:01	11/7/2017 09:04	Collected by Client
2274404003	112-1102-MW3	Ground Water	11/3/2017 10:14	11/7/2017 09:04	Collected by Client
2274404004	112-1102-MW4	Ground Water	11/3/2017 08:56	11/7/2017 09:04	Collected by Client
2274404005	112-1102-MW5	Ground Water	11/3/2017 09:36	11/7/2017 09:04	Collected by Client
2274404006	112-1102-MW6	Ground Water	11/2/2017 17:05	11/7/2017 09:04	Collected by Client
2274404007	112-1102-MW7	Ground Water	11/3/2017 08:08	11/7/2017 09:04	Collected by Client
2274404008	112-1102-MW8	Ground Water	11/2/2017 11:50	11/7/2017 09:04	Collected by Client
2274404009	112-1102-MW9	Ground Water	11/2/2017 11:23	11/7/2017 09:04	Collected by Client
2274404010	112-1102-MW10	Ground Water	11/2/2017 15:24	11/7/2017 09:04	Collected by Client
2274404011	112-1102-MW15	Ground Water	11/3/2017 11:58	11/7/2017 09:04	Collected by Client
2274404012	112-1102-FB1	Water	11/2/2017 17:07	11/7/2017 09:04	Collected by Client

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SAMPLE SUMMARY

Workorder: 2274404 2171845/Pump-n-Pantry #001

Notes

- Samples collected by ALS personnel are done so in accordance with the procedures set forth in the ALS Field Sampling Plan (20 - Field Services Sampling Plan).
- All Waste Water analyses comply with methodology requirements of 40 CFR Part 136.
- All Drinking Water analyses comply with methodology requirements of 40 CFR Part 141.
- Unless otherwise noted, all quantitative results for soils are reported on a dry weight basis.
- The Chain of Custody document is included as part of this report.
- All Library Search analytes should be regarded as tentative identifications based on the presumptive evidence of the mass spectra. Concentrations reported are estimated values.
- Parameters identified as "analyze immediately" require analysis within 15 minutes of collection. Any "analyze immediately" parameters not listed under the header "Field Parameters" are performed in the laboratory and are therefore analyzed out of hold time.
- Method references listed on this report beginning with the prefix "S" followed by a method number (such as S2310B-97) refer to methods from "Standard Methods for the Examination of Water and Wastewater".
- For microbiological analyses, the "Prepared" value is the date/time into the incubator and the "Analyzed" value is the date/time out the incubator.

Standard Acronyms/Flags

J	Indicates an estimated value between the Method Detection Limit (MDL) and the Practical Quantitation Limit (PQL) for the analyte
U	Indicates that the analyte was Not Detected (ND)
N	Indicates presumptive evidence of the presence of a compound
MDL	Method Detection Limit
PQL	Practical Quantitation Limit
RDL	Reporting Detection Limit
ND	Not Detected - indicates that the analyte was Not Detected at the RDL
Cntr	Analysis was performed using this container
RegLmt	Regulatory Limit
LCS	Laboratory Control Sample
MS	Matrix Spike
MSD	Matrix Spike Duplicate
DUP	Sample Duplicate
%Rec	Percent Recovery
RPD	Relative Percent Difference
LOD	DoD Limit of Detection
LOQ	DoD Limit of Quantitation
DL	DoD Detection Limit
I	Indicates reported value is greater than or equal to the Method Detection Limit (MDL) but less than the Report Detection Limit (RDL)
(S)	Surrogate Compound
NC	Not Calculated
*	Result outside of QC limits

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PROJECT SUMMARY

Workorder: 2274404 2171845/Pump-n-Pantry #001

Sample Comments

Lab ID: 2274404004

Sample ID: 112-1102-MW4

Sample Type: SAMPLE

The GCMS volatiles analysis was performed at a dilution due to the level of target compounds.

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ANALYTICAL RESULTS

Workorder: 2274404 2171845/Pump-n-Pantry #001

Lab ID: **2274404001**
Sample ID: **112-1102-MW1**

Date Collected: 11/2/2017 10:35 Matrix: Ground Water
Date Received: 11/7/2017 09:04

Parameters	Results	Flag	Units	RDL	Method	Prepared	By	Analyzed	By	Cntr
VOLATILE ORGANICS										
Benzene	ND		ug/L	1.0	SW846 8260B			11/9/17 16:25	TMP	A
Ethylbenzene	ND		ug/L	1.0	SW846 8260B			11/9/17 16:25	TMP	A
Isopropylbenzene	ND		ug/L	1.0	SW846 8260B			11/9/17 16:25	TMP	A
Methyl t-Butyl Ether	ND		ug/L	1.0	SW846 8260B			11/9/17 16:25	TMP	A
Naphthalene	ND		ug/L	2.0	SW846 8260B			11/9/17 16:25	TMP	A
Toluene	ND		ug/L	1.0	SW846 8260B			11/9/17 16:25	TMP	A
Total Xylenes	ND		ug/L	3.0	SW846 8260B			11/9/17 16:25	TMP	A
1,2,4-Trimethylbenzene	ND		ug/L	1.0	SW846 8260B			11/9/17 16:25	TMP	A
1,3,5-Trimethylbenzene	ND		ug/L	1.0	SW846 8260B			11/9/17 16:25	TMP	A
<i>Surrogate Recoveries</i>	<i>Results</i>	<i>Flag</i>	<i>Units</i>	<i>Limits</i>	<i>Method</i>	<i>Prepared</i>	<i>By</i>	<i>Analyzed</i>	<i>By</i>	<i>Cntr</i>
1,2-Dichloroethane-d4 (S)	90.3		%	62 - 133	SW846 8260B			11/9/17 16:25	TMP	A
4-Bromofluorobenzene (S)	122	1	%	79 - 114	SW846 8260B			11/9/17 16:25	TMP	A
Dibromofluoromethane (S)	98.2		%	78 - 116	SW846 8260B			11/9/17 16:25	TMP	A
Toluene-d8 (S)	98.7		%	76 - 127	SW846 8260B			11/9/17 16:25	TMP	A

Ms. Amy K Borden
Project Coordinator

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ANALYTICAL RESULTS

Workorder: 2274404 2171845/Pump-n-Pantry #001

Lab ID: 2274404002
Sample ID: 112-1102-MW2

Date Collected: 11/3/2017 11:01 Matrix: Ground Water
Date Received: 11/7/2017 09:04

Parameters	Results	Flag	Units	RDL	Method	Prepared	By	Analyzed	By	Cntr
VOLATILE ORGANICS										
Benzene	516		ug/L	10.0	SW846 8260B			11/13/17 14:58	TMP	B
Ethylbenzene	422		ug/L	10.0	SW846 8260B			11/13/17 14:58	TMP	B
Isopropylbenzene	18.5		ug/L	1.0	SW846 8260B			11/9/17 17:56	TMP	A
Methyl t-Butyl Ether	23.1		ug/L	1.0	SW846 8260B			11/9/17 17:56	TMP	A
Naphthalene	55.0		ug/L	2.0	SW846 8260B			11/9/17 17:56	TMP	A
Toluene	125		ug/L	1.0	SW846 8260B			11/9/17 17:56	TMP	A
Total Xylenes	286		ug/L	3.0	SW846 8260B			11/9/17 17:56	TMP	A
1,2,4-Trimethylbenzene	195		ug/L	1.0	SW846 8260B			11/9/17 17:56	TMP	A
1,3,5-Trimethylbenzene	ND		ug/L	1.0	SW846 8260B			11/9/17 17:56	TMP	A
<i>Surrogate Recoveries</i>	<i>Results</i>	<i>Flag</i>	<i>Units</i>	<i>Limits</i>	<i>Method</i>	<i>Prepared</i>	<i>By</i>	<i>Analyzed</i>	<i>By</i>	<i>Cntr</i>
1,2-Dichloroethane-d4 (S)	112		%	62 - 133	SW846 8260B			11/13/17 14:58	TMP	B
1,2-Dichloroethane-d4 (S)	105		%	62 - 133	SW846 8260B			11/9/17 17:56	TMP	A
4-Bromofluorobenzene (S)	130	1	%	79 - 114	SW846 8260B			11/9/17 17:56	TMP	A
4-Bromofluorobenzene (S)	105		%	79 - 114	SW846 8260B			11/13/17 14:58	TMP	B
Dibromofluoromethane (S)	110		%	78 - 116	SW846 8260B			11/13/17 14:58	TMP	B
Dibromofluoromethane (S)	109		%	78 - 116	SW846 8260B			11/9/17 17:56	TMP	A
Toluene-d8 (S)	107		%	76 - 127	SW846 8260B			11/9/17 17:56	TMP	A
Toluene-d8 (S)	107		%	76 - 127	SW846 8260B			11/13/17 14:58	TMP	B

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ANALYTICAL RESULTS

Workorder: 2274404 2171845/Pump-n-Pantry #001

Lab ID: **2274404003**
Sample ID: **112-1102-MW3**

Date Collected: 11/3/2017 10:14 Matrix: Ground Water
Date Received: 11/7/2017 09:04

Parameters	Results	Flag	Units	RDL	Method	Prepared	By	Analyzed	By	Cntr
VOLATILE ORGANICS										
Benzene	44.3		ug/L	1.0	SW846 8260B			11/13/17 14:35	TMP	B
Ethylbenzene	57.6		ug/L	1.0	SW846 8260B			11/13/17 14:35	TMP	B
Isopropylbenzene	14.0		ug/L	1.0	SW846 8260B			11/13/17 14:35	TMP	B
Methyl t-Butyl Ether	ND		ug/L	1.0	SW846 8260B			11/13/17 14:35	TMP	B
Naphthalene	ND		ug/L	2.0	SW846 8260B			11/13/17 14:35	TMP	B
Toluene	1.3		ug/L	1.0	SW846 8260B			11/13/17 14:35	TMP	B
Total Xylenes	ND		ug/L	3.0	SW846 8260B			11/13/17 14:35	TMP	B
1,2,4-Trimethylbenzene	ND		ug/L	1.0	SW846 8260B			11/13/17 14:35	TMP	B
1,3,5-Trimethylbenzene	ND		ug/L	1.0	SW846 8260B			11/13/17 14:35	TMP	B
<i>Surrogate Recoveries</i>	<i>Results</i>	<i>Flag</i>	<i>Units</i>	<i>Limits</i>	<i>Method</i>	<i>Prepared</i>	<i>By</i>	<i>Analyzed</i>	<i>By</i>	<i>Cntr</i>
1,2-Dichloroethane-d4 (S)	113		%	62 - 133	SW846 8260B			11/13/17 14:35	TMP	B
4-Bromofluorobenzene (S)	107		%	79 - 114	SW846 8260B			11/13/17 14:35	TMP	B
Dibromofluoromethane (S)	110		%	78 - 116	SW846 8260B			11/13/17 14:35	TMP	B
Toluene-d8 (S)	109		%	76 - 127	SW846 8260B			11/13/17 14:35	TMP	B



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ANALYTICAL RESULTS

Workorder: 2274404 2171845/Pump-n-Pantry #001

Lab ID: **2274404004**
Sample ID: **112-1102-MW4**

Date Collected: 11/3/2017 08:56 Matrix: Ground Water
Date Received: 11/7/2017 09:04

Parameters	Results	Flag	Units	RDL	Method	Prepared	By	Analyzed	By	Cntr
VOLATILE ORGANICS										
Benzene	534		ug/L	5.0	SW846 8260B			11/9/17 18:42	TMP	A
Ethylbenzene	197		ug/L	5.0	SW846 8260B			11/9/17 18:42	TMP	A
Isopropylbenzene	25.4		ug/L	5.0	SW846 8260B			11/9/17 18:42	TMP	A
Methyl t-Butyl Ether	ND		ug/L	5.0	SW846 8260B			11/9/17 18:42	TMP	A
Naphthalene	26.0		ug/L	10.0	SW846 8260B			11/9/17 18:42	TMP	A
Toluene	42.6		ug/L	5.0	SW846 8260B			11/9/17 18:42	TMP	A
Total Xylenes	108		ug/L	15.0	SW846 8260B			11/9/17 18:42	TMP	A
1,2,4-Trimethylbenzene	17.5		ug/L	5.0	SW846 8260B			11/9/17 18:42	TMP	A
1,3,5-Trimethylbenzene	ND		ug/L	5.0	SW846 8260B			11/9/17 18:42	TMP	A
<i>Surrogate Recoveries</i>	<i>Results</i>	<i>Flag</i>	<i>Units</i>	<i>Limits</i>	<i>Method</i>	<i>Prepared</i>	<i>By</i>	<i>Analyzed</i>	<i>By</i>	<i>Cntr</i>
1,2-Dichloroethane-d4 (S)	107		%	62 - 133	SW846 8260B			11/9/17 18:42	TMP	A
4-Bromofluorobenzene (S)	136	1	%	79 - 114	SW846 8260B			11/9/17 18:42	TMP	A
Dibromofluoromethane (S)	114		%	78 - 116	SW846 8260B			11/9/17 18:42	TMP	A
Toluene-d8 (S)	109		%	76 - 127	SW846 8260B			11/9/17 18:42	TMP	A

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ANALYTICAL RESULTS

Workorder: 2274404 2171845/Pump-n-Pantry #001

Lab ID: **2274404005**
Sample ID: **112-1102-MW5**

Date Collected: 11/3/2017 09:36 Matrix: Ground Water
Date Received: 11/7/2017 09:04

Parameters	Results	Flag	Units	RDL	Method	Prepared	By	Analyzed	By	Cntr
VOLATILE ORGANICS										
Benzene	196		ug/L	5.0	SW846 8260B			11/13/17 14:12	TMP	B
Ethylbenzene	223		ug/L	5.0	SW846 8260B			11/13/17 14:12	TMP	B
Isopropylbenzene	28.7		ug/L	1.0	SW846 8260B			11/9/17 18:19	TMP	A
Methyl t-Butyl Ether	14.8		ug/L	1.0	SW846 8260B			11/9/17 18:19	TMP	A
Naphthalene	29.1		ug/L	2.0	SW846 8260B			11/9/17 18:19	TMP	A
Toluene	11.4		ug/L	1.0	SW846 8260B			11/9/17 18:19	TMP	A
Total Xylenes	33.2		ug/L	3.0	SW846 8260B			11/9/17 18:19	TMP	A
1,2,4-Trimethylbenzene	42.5		ug/L	1.0	SW846 8260B			11/9/17 18:19	TMP	A
1,3,5-Trimethylbenzene	ND		ug/L	1.0	SW846 8260B			11/9/17 18:19	TMP	A
<i>Surrogate Recoveries</i>	<i>Results</i>	<i>Flag</i>	<i>Units</i>	<i>Limits</i>	<i>Method</i>	<i>Prepared</i>	<i>By</i>	<i>Analyzed</i>	<i>By</i>	<i>Cntr</i>
1,2-Dichloroethane-d4 (S)	113		%	62 - 133	SW846 8260B			11/13/17 14:12	TMP	B
1,2-Dichloroethane-d4 (S)	104		%	62 - 133	SW846 8260B			11/9/17 18:19	TMP	A
4-Bromofluorobenzene (S)	106		%	79 - 114	SW846 8260B			11/13/17 14:12	TMP	B
4-Bromofluorobenzene (S)	133	1	%	79 - 114	SW846 8260B			11/9/17 18:19	TMP	A
Dibromofluoromethane (S)	110		%	78 - 116	SW846 8260B			11/13/17 14:12	TMP	B
Dibromofluoromethane (S)	104		%	78 - 116	SW846 8260B			11/9/17 18:19	TMP	A
Toluene-d8 (S)	107		%	76 - 127	SW846 8260B			11/9/17 18:19	TMP	A
Toluene-d8 (S)	109		%	76 - 127	SW846 8260B			11/13/17 14:12	TMP	B



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ANALYTICAL RESULTS

Workorder: 2274404 2171845/Pump-n-Pantry #001

Lab ID: 2274404006
Sample ID: 112-1102-MW6

Date Collected: 11/2/2017 17:05 Matrix: Ground Water
Date Received: 11/7/2017 09:04

Parameters	Results	Flag	Units	RDL	Method	Prepared	By	Analyzed	By	Cntr
VOLATILE ORGANICS										
Benzene	ND		ug/L	1.0	SW846 8260B			11/9/17 17:11	TMP	A
Ethylbenzene	ND		ug/L	1.0	SW846 8260B			11/9/17 17:11	TMP	A
Isopropylbenzene	ND		ug/L	1.0	SW846 8260B			11/9/17 17:11	TMP	A
Methyl t-Butyl Ether	ND		ug/L	1.0	SW846 8260B			11/9/17 17:11	TMP	A
Naphthalene	ND		ug/L	2.0	SW846 8260B			11/9/17 17:11	TMP	A
Toluene	ND		ug/L	1.0	SW846 8260B			11/9/17 17:11	TMP	A
Total Xylenes	ND		ug/L	3.0	SW846 8260B			11/9/17 17:11	TMP	A
1,2,4-Trimethylbenzene	ND		ug/L	1.0	SW846 8260B			11/9/17 17:11	TMP	A
1,3,5-Trimethylbenzene	ND		ug/L	1.0	SW846 8260B			11/9/17 17:11	TMP	A
<i>Surrogate Recoveries</i>	<i>Results</i>	<i>Flag</i>	<i>Units</i>	<i>Limits</i>	<i>Method</i>	<i>Prepared</i>	<i>By</i>	<i>Analyzed</i>	<i>By</i>	<i>Cntr</i>
1,2-Dichloroethane-d4 (S)	108		%	62 - 133	SW846 8260B			11/9/17 17:11	TMP	A
4-Bromofluorobenzene (S)	125	1	%	79 - 114	SW846 8260B			11/9/17 17:11	TMP	A
Dibromofluoromethane (S)	107		%	78 - 116	SW846 8260B			11/9/17 17:11	TMP	A
Toluene-d8 (S)	99.8		%	76 - 127	SW846 8260B			11/9/17 17:11	TMP	A

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ANALYTICAL RESULTS

Workorder: 2274404 2171845/Pump-n-Pantry #001

Lab ID: **2274404007**
Sample ID: **112-1102-MW7**

Date Collected: 11/3/2017 08:08 Matrix: Ground Water
Date Received: 11/7/2017 09:04

Parameters	Results	Flag	Units	RDL	Method	Prepared	By	Analyzed	By	Cntr
VOLATILE ORGANICS										
Benzene	ND		ug/L	1.0	SW846 8260B			11/9/17 17:33	TMP	A
Ethylbenzene	ND		ug/L	1.0	SW846 8260B			11/9/17 17:33	TMP	A
Isopropylbenzene	ND		ug/L	1.0	SW846 8260B			11/9/17 17:33	TMP	A
Methyl t-Butyl Ether	ND	2,3	ug/L	1.0	SW846 8260B			11/9/17 17:33	TMP	A
Naphthalene	ND		ug/L	2.0	SW846 8260B			11/9/17 17:33	TMP	A
Toluene	ND		ug/L	1.0	SW846 8260B			11/9/17 17:33	TMP	A
Total Xylenes	ND		ug/L	3.0	SW846 8260B			11/9/17 17:33	TMP	A
1,2,4-Trimethylbenzene	ND		ug/L	1.0	SW846 8260B			11/9/17 17:33	TMP	A
1,3,5-Trimethylbenzene	ND		ug/L	1.0	SW846 8260B			11/9/17 17:33	TMP	A
<i>Surrogate Recoveries</i>	<i>Results</i>	<i>Flag</i>	<i>Units</i>	<i>Limits</i>	<i>Method</i>	<i>Prepared</i>	<i>By</i>	<i>Analyzed</i>	<i>By</i>	<i>Cntr</i>
1,2-Dichloroethane-d4 (S)	108		%	62 - 133	SW846 8260B			11/9/17 17:33	TMP	A
4-Bromofluorobenzene (S)	127	1	%	79 - 114	SW846 8260B			11/9/17 17:33	TMP	A
Dibromofluoromethane (S)	109		%	78 - 116	SW846 8260B			11/9/17 17:33	TMP	A
Toluene-d8 (S)	102		%	76 - 127	SW846 8260B			11/9/17 17:33	TMP	A



Ms. Amy K Borden
Project Coordinator

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**ANALYTICAL RESULTS**

Workorder: 2274404 2171845/Pump-n-Pantry #001

Lab ID: 2274404008
Sample ID: 112-1102-MW8Date Collected: 11/2/2017 11:50 Matrix: Ground Water
Date Received: 11/7/2017 09:04

Parameters	Results	Flag	Units	RDL	Method	Prepared	By	Analyzed	By	Cntr
VOLATILE ORGANICS										
Benzene	ND		ug/L	1.0	SW846 8260B			11/10/17 14:52	TMP	A
Ethylbenzene	ND		ug/L	1.0	SW846 8260B			11/10/17 14:52	TMP	A
Isopropylbenzene	ND		ug/L	1.0	SW846 8260B			11/10/17 14:52	TMP	A
Methyl t-Butyl Ether	ND		ug/L	1.0	SW846 8260B			11/10/17 14:52	TMP	A
Naphthalene	ND		ug/L	2.0	SW846 8260B			11/10/17 14:52	TMP	A
Toluene	ND		ug/L	1.0	SW846 8260B			11/10/17 14:52	TMP	A
Total Xylenes	ND		ug/L	3.0	SW846 8260B			11/10/17 14:52	TMP	A
1,2,4-Trimethylbenzene	ND		ug/L	1.0	SW846 8260B			11/10/17 14:52	TMP	A
1,3,5-Trimethylbenzene	ND		ug/L	1.0	SW846 8260B			11/10/17 14:52	TMP	A
<i>Surrogate Recoveries</i>	<i>Results</i>	<i>Flag</i>	<i>Units</i>	<i>Limits</i>	<i>Method</i>	<i>Prepared</i>	<i>By</i>	<i>Analyzed</i>	<i>By</i>	<i>Cntr</i>
1,2-Dichloroethane-d4 (S)	93.9		%	62 - 133	SW846 8260B			11/10/17 14:52	TMP	A
4-Bromofluorobenzene (S)	91.9		%	79 - 114	SW846 8260B			11/10/17 14:52	TMP	A
Dibromofluoromethane (S)	98.9		%	78 - 116	SW846 8260B			11/10/17 14:52	TMP	A
Toluene-d8 (S)	106		%	76 - 127	SW846 8260B			11/10/17 14:52	TMP	A

Ms. Amy K Borden
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ANALYTICAL RESULTS

Workorder: 2274404 2171845/Pump-n-Pantry #001

Lab ID: 2274404009
Sample ID: 112-1102-MW9

Date Collected: 11/2/2017 11:23 Matrix: Ground Water
Date Received: 11/7/2017 09:04

Parameters	Results	Flag	Units	RDL	Method	Prepared	By	Analyzed	By	Cntr
VOLATILE ORGANICS										
Benzene	ND		ug/L	1.0	SW846 8260B			11/10/17 15:10	TMP	A
Ethylbenzene	ND		ug/L	1.0	SW846 8260B			11/10/17 15:10	TMP	A
Isopropylbenzene	ND		ug/L	1.0	SW846 8260B			11/10/17 15:10	TMP	A
Methyl t-Butyl Ether	ND		ug/L	1.0	SW846 8260B			11/10/17 15:10	TMP	A
Naphthalene	ND		ug/L	2.0	SW846 8260B			11/10/17 15:10	TMP	A
Toluene	ND		ug/L	1.0	SW846 8260B			11/10/17 15:10	TMP	A
Total Xylenes	ND		ug/L	3.0	SW846 8260B			11/10/17 15:10	TMP	A
1,2,4-Trimethylbenzene	ND		ug/L	1.0	SW846 8260B			11/10/17 15:10	TMP	A
1,3,5-Trimethylbenzene	ND		ug/L	1.0	SW846 8260B			11/10/17 15:10	TMP	A
<i>Surrogate Recoveries</i>	<i>Results</i>	<i>Flag</i>	<i>Units</i>	<i>Limits</i>	<i>Method</i>	<i>Prepared</i>	<i>By</i>	<i>Analyzed</i>	<i>By</i>	<i>Cntr</i>
1,2-Dichloroethane-d4 (S)	96.7		%	62 - 133	SW846 8260B			11/10/17 15:10	TMP	A
4-Bromofluorobenzene (S)	99.7		%	79 - 114	SW846 8260B			11/10/17 15:10	TMP	A
Dibromofluoromethane (S)	93.2		%	78 - 116	SW846 8260B			11/10/17 15:10	TMP	A
Toluene-d8 (S)	98.9		%	76 - 127	SW846 8260B			11/10/17 15:10	TMP	A

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ANALYTICAL RESULTS

Workorder: 2274404 2171845/Pump-n-Pantry #001

Lab ID: **2274404010**
Sample ID: **112-1102-MW10**

Date Collected: 11/2/2017 15:24 Matrix: Ground Water
Date Received: 11/7/2017 09:04

Parameters	Results	Flag	Units	RDL	Method	Prepared	By	Analyzed	By	Cntr
VOLATILE ORGANICS										
Benzene	ND		ug/L	1.0	SW846 8260B			11/10/17 16:41	TMP	A
Ethylbenzene	ND		ug/L	1.0	SW846 8260B			11/10/17 16:41	TMP	A
Isopropylbenzene	ND		ug/L	1.0	SW846 8260B			11/10/17 16:41	TMP	A
Methyl t-Butyl Ether	ND		ug/L	1.0	SW846 8260B			11/10/17 16:41	TMP	A
Naphthalene	ND		ug/L	2.0	SW846 8260B			11/10/17 16:41	TMP	A
Toluene	ND		ug/L	1.0	SW846 8260B			11/10/17 16:41	TMP	A
Total Xylenes	ND		ug/L	3.0	SW846 8260B			11/10/17 16:41	TMP	A
1,2,4-Trimethylbenzene	ND		ug/L	1.0	SW846 8260B			11/10/17 16:41	TMP	A
1,3,5-Trimethylbenzene	ND		ug/L	1.0	SW846 8260B			11/10/17 16:41	TMP	A
<i>Surrogate Recoveries</i>	<i>Results</i>	<i>Flag</i>	<i>Units</i>	<i>Limits</i>	<i>Method</i>	<i>Prepared</i>	<i>By</i>	<i>Analyzed</i>	<i>By</i>	<i>Cntr</i>
1,2-Dichloroethane-d4 (S)	98.2		%	62 - 133	SW846 8260B			11/10/17 16:41	TMP	A
4-Bromofluorobenzene (S)	95.5		%	79 - 114	SW846 8260B			11/10/17 16:41	TMP	A
Dibromofluoromethane (S)	93.4		%	78 - 116	SW846 8260B			11/10/17 16:41	TMP	A
Toluene-d8 (S)	106		%	76 - 127	SW846 8260B			11/10/17 16:41	TMP	A



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ANALYTICAL RESULTS

Workorder: 2274404 2171845/Pump-n-Pantry #001

Lab ID: **2274404011**
Sample ID: **112-1102-MW15**

Date Collected: 11/3/2017 11:58 Matrix: Ground Water
Date Received: 11/7/2017 09:04

Parameters	Results	Flag	Units	RDL	Method	Prepared	By	Analyzed	By	Cntr
VOLATILE ORGANICS										
Benzene	552		ug/L	5.0	SW846 8260B			11/13/17 18:23	TMP	A
Ethylbenzene	1240		ug/L	50.0	SW846 8260B			11/15/17 00:29	CJG	B
Isopropylbenzene	176		ug/L	5.0	SW846 8260B			11/13/17 18:23	TMP	A
Methyl t-Butyl Ether	ND		ug/L	5.0	SW846 8260B			11/13/17 18:23	TMP	A
Naphthalene	179		ug/L	10.0	SW846 8260B			11/13/17 18:23	TMP	A
Toluene	2420		ug/L	50.0	SW846 8260B			11/15/17 00:29	CJG	B
Total Xylenes	3950		ug/L	150	SW846 8260B			11/15/17 00:29	CJG	B
1,2,4-Trimethylbenzene	967		ug/L	5.0	SW846 8260B			11/13/17 18:23	TMP	A
1,3,5-Trimethylbenzene	172		ug/L	5.0	SW846 8260B			11/13/17 18:23	TMP	A
<i>Surrogate Recoveries</i>	<i>Results</i>	<i>Flag</i>	<i>Units</i>	<i>Limits</i>	<i>Method</i>	<i>Prepared</i>	<i>By</i>	<i>Analyzed</i>	<i>By</i>	<i>Cntr</i>
1,2-Dichloroethane-d4 (S)	113		%	62 - 133	SW846 8260B			11/13/17 18:23	TMP	A
1,2-Dichloroethane-d4 (S)	110		%	62 - 133	SW846 8260B			11/15/17 00:29	CJG	B
4-Bromofluorobenzene (S)	107		%	79 - 114	SW846 8260B			11/13/17 18:23	TMP	A
4-Bromofluorobenzene (S)	104		%	79 - 114	SW846 8260B			11/15/17 00:29	CJG	B
Dibromofluoromethane (S)	108		%	78 - 116	SW846 8260B			11/15/17 00:29	CJG	B
Dibromofluoromethane (S)	112		%	78 - 116	SW846 8260B			11/13/17 18:23	TMP	A
Toluene-d8 (S)	108		%	76 - 127	SW846 8260B			11/15/17 00:29	CJG	B
Toluene-d8 (S)	109		%	76 - 127	SW846 8260B			11/13/17 18:23	TMP	A



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ANALYTICAL RESULTS

Workorder: 2274404 2171845/Pump-n-Pantry #001

Lab ID: **2274404012**
Sample ID: **112-1102-FB1**

Date Collected: 11/2/2017 17:07 Matrix: Water
Date Received: 11/7/2017 09:04

Parameters	Results	Flag	Units	RDL	Method	Prepared	By	Analyzed	By	Cntr
VOLATILE ORGANICS										
Benzene	ND		ug/L	1.0	SW846 8260B			11/10/17 14:15	TMP	A
Ethylbenzene	ND		ug/L	1.0	SW846 8260B			11/10/17 14:15	TMP	A
Isopropylbenzene	ND		ug/L	1.0	SW846 8260B			11/10/17 14:15	TMP	A
Methyl t-Butyl Ether	ND		ug/L	1.0	SW846 8260B			11/10/17 14:15	TMP	A
Naphthalene	ND		ug/L	2.0	SW846 8260B			11/10/17 14:15	TMP	A
Toluene	ND		ug/L	1.0	SW846 8260B			11/10/17 14:15	TMP	A
Total Xylenes	ND		ug/L	3.0	SW846 8260B			11/10/17 14:15	TMP	A
1,2,4-Trimethylbenzene	ND		ug/L	1.0	SW846 8260B			11/10/17 14:15	TMP	A
1,3,5-Trimethylbenzene	ND		ug/L	1.0	SW846 8260B			11/10/17 14:15	TMP	A
<i>Surrogate Recoveries</i>	<i>Results</i>	<i>Flag</i>	<i>Units</i>	<i>Limits</i>	<i>Method</i>	<i>Prepared</i>	<i>By</i>	<i>Analyzed</i>	<i>By</i>	<i>Cntr</i>
1,2-Dichloroethane-d4 (S)	97		%	62 - 133	SW846 8260B			11/10/17 14:15	TMP	A
4-Bromofluorobenzene (S)	95		%	79 - 114	SW846 8260B			11/10/17 14:15	TMP	A
Dibromofluoromethane (S)	99.1		%	78 - 116	SW846 8260B			11/10/17 14:15	TMP	A
Toluene-d8 (S)	109		%	76 - 127	SW846 8260B			11/10/17 14:15	TMP	A



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ANALYTICAL RESULTS

Workorder: 2274404 2171845/Pump-n-Pantry #001

PARAMETER QUALIFIERS

Lab ID	#	Sample ID	Analytical Method	Analyte
2274404001	1	112-1102-MW1	SW846 8260B	4-Bromofluorobenzene
The surrogate 4-Bromofluorobenzene for method SW846 8260B was outside of control limits. The % Recovery was reported as 122 and the control limits were 79 to 114. This result was reported at a dilution of 1.				
2274404002	1	112-1102-MW2	SW846 8260B	4-Bromofluorobenzene
The surrogate 4-Bromofluorobenzene for method SW846 8260B was outside of control limits. The % Recovery was reported as 130 and the control limits were 79 to 114. This result was reported at a dilution of 1.				
2274404004	1	112-1102-MW4	SW846 8260B	4-Bromofluorobenzene
The surrogate 4-Bromofluorobenzene for method SW846 8260B was outside of control limits. The % Recovery was reported as 136 and the control limits were 79 to 114. This result was reported at a dilution of 5.				
2274404005	1	112-1102-MW5	SW846 8260B	4-Bromofluorobenzene
The surrogate 4-Bromofluorobenzene for method SW846 8260B was outside of control limits. The % Recovery was reported as 133 and the control limits were 79 to 114. This result was reported at a dilution of 1.				
2274404006	1	112-1102-MW6	SW846 8260B	4-Bromofluorobenzene
The surrogate 4-Bromofluorobenzene for method SW846 8260B was outside of control limits. The % Recovery was reported as 125 and the control limits were 79 to 114. This result was reported at a dilution of 1.				
2274404007	1	112-1102-MW7	SW846 8260B	4-Bromofluorobenzene
The surrogate 4-Bromofluorobenzene for method SW846 8260B was outside of control limits. The % Recovery was reported as 127 and the control limits were 79 to 114. This result was reported at a dilution of 1.				
2274404007	2	112-1102-MW7	SW846 8260B	Methyl t-Butyl Ether
The QC sample type MS for method SW846 8260B was outside the control limits for the analyte Methyl t-Butyl Ether. The % Recovery was reported as 117 and the control limits were 69 to 115.				
2274404007	3	112-1102-MW7	SW846 8260B	Methyl t-Butyl Ether
The QC sample type MSD for method SW846 8260B was outside the control limits for the analyte Methyl t-Butyl Ether. The % Recovery was reported as 120 and the control limits were 69 to 115.				

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34 Dogwood Lane
Middletown, PA 17057
P. 717-944-5541
F. 717-944-1430

Environmental

**CHAIN OF CUSTODY/
REQUEST FOR ANALYSIS**
**ALL SHADED AREAS MUST BE COMPLETED BY THE CLIENT /
SAMPLER. INSTRUCTIONS ON THE BACK.**

COC #: **1**
ALS Q# **2**
* 2 2 7 4 4 0 4 *

Client Name: LaBella Associates, P.C.		Container Type: CG	Container Size: 40 ml	Preservative: HCL	ANALYSES/METHOD REQUESTED	
Address: 1000 Dunham Drive, Suite B Dunmore, PA 18512						
Contact: Martin Gligallon						
Phone#: (570) 487-1959 / (570) 342-3101						
Project Name#: 2171845/Pump-n-Pantry #001						
Bill To: Lynn Hanichak						
TAT ☒ Normal-Standard TAT is 10-12 business days. ☐ Rush-Subject to ALS approval and surcharges.						
Date Required: _____ Approved By: _____						
Email? ☒ Y ☐ N mgligallon@labellapc.com						
Fax? ☐ Y ☒ N						
Sample Description/Location (as it will appear on the lab report)	Sample Date	Time	Matrix	Enter Number of Containers Per Sample or Field Results Below.	Sample/COC Comments	
1 112-1102-MW1	11/2/17	1035	GW	2		
2 112-1102-MW2	11/3/17	1101	GW	2		
3 112-1102-MW3	11/3/17	1014	GW	2		
4 112-1102-MW4	11/3/17	0856	GW	2		
5 112-1102-MW5	11/3/17	0936	GW	2		
6 112-1102-MW6	11/2/17	1705	GW	2		
7 112-1102-MW7	11/3/17	0808	GW	2		
8 112-1102-MW8	11/2/17	1150	GW	2		
9 112-1102-MW9	11/2/17	1123	GW	2		
10 112-1102-MW10	11/2/17	1524	GW	2		
Project Comments: FedEx #8121 9377 9730						
LOGGED BY (signature): _____						
REVIEWED BY (signature): _____						
Relinquished By / Company Name	Date	Time	Received By / Company Name	Date	Time	
1 Chris Hanichak / LaBella	11/3/17	1330	FEA EX 8121 9377 9730	11/6/17		
3		4		11/7	0904	
5		6				
7		8				
9		10				
State Samples Collected In: ☐ NY ☐ NJ ☒ PA ☐ NC						
Special Processing: ☐ USACE ☐ Navy ☐ USACE						
Sample Disposal: ☒ Lab ☐ Special						
Reportable to PADEP? ☐ Yes ☐ No PWSID # _____ EDDS: Format Type: _____						
ALS Field Services: ☐ Pickup ☐ Labor ☐ Composite Sampling ☐ Rental Equipment ☐ Other: _____						



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F. 717-944-1430

Environmental

**CHAIN OF CUSTODY/
REQUEST FOR ANALYSIS**
ALL SHADED AREAS MUST BE COMPLETED BY THE CLIENT /
SAMPLER. INSTRUCTIONS ON THE BACK.

COC #: 2274404 2 of 2
ALS Quote #: _____

Client Name: LaBella Associates, P.C.		Container Type	CG	Receipt Information (completed by Receiving Lab)	
Address: 1000 Dunham Drive, Suite B		Container Size	40 ml	Cooler Temp: <u>-3</u>	Therm ID: <u>402</u>
Dunmore, PA 18512		Preservative	HCL	No. of Coolers: _____	Y N Initial
Contact: Martin Gilgallon		ANALYSES/METHOD REQUESTED			
Phone#: (570) 487-1959 / (570) 342-3101		Enter Number of Containers Per Sample or Field Results Below.			
Project Name#: 2171845/Pump-n-Pantry #001		Unleaded Gasoline			
Bill To: Lynn Hanichak		Matrix			
TAT ☒ Normal-Standard TAT is 10-12 business days.		G or C			
Rush-Subject to ALS approval and surcharges.		Time			
Date Required: _____ Approved By: _____		Sample Date			
Email? ☒ Y ☐ N mgilgallon@labellapc.com		11/3/17 1158 G GW 2			
Fax? ☐ Y ☐ N		211/4/17 1707 G DI 2			
Sample Description/Location (as it will appear on the lab report)		3			
1112-1102-MW15		4			
2112-1102-FB1		5			
3		6			
4		7			
5		8			
6		9			
7		10			
Project Comments: FedEx #8121 9377 9730		LOGGED BY (signature):		Date	
REVIEWED BY (signature):		Date		Time	
Relinquished By / Company Name		Date		Received By / Company Name	
Chris Gannon / LaBella		11/3/17 1330		FedEx #8121 9377 9730	
3		4		11/7 0904	
5		6		8	
7		8		10	
9		10		EDDS: Format Type	
Special Processing		Data Deliverables		State Samples Collected In	
USACE ☐ Navy ☐		☒ Standard ☐ CLP-like ☐ USACE ☐		☐ NY ☐ NJ ☐ PA ☒ NC ☐	
Sample Disposal		Reportable to PADEP?		Special ☐	
Lab ☐		Yes ☐ No ☐		PWSID #	
ALS Field Services: ☐ Pickup ☐ Labor ☐ Composite Sampling ☐ Rental Equipment ☐ Other _____					

* G=Grab; C=Composite **Matrix: AL=Air; DW=Drinking Water; GW=Groundwater; OL=Oil; OL=Other Liquid; SL=Sludge; SO=Soil; WP=Wipe; WW=Wastewater
ALS ENVIRONMENTAL SHIPPING ADDRESS: 34 DOGWOOD LANE, MIDDLETOWN, PA 17057

November 10, 2017

Mr. Kevin Cucura
LaBella-Dunmore
1000 Dunham Drive
Suite B
Scranton, PA 18512

Certificate of Analysis

Project Name: 2171845/Pump-n-Pantry #001	Workorder: 2274405
Purchase Order:	Workorder ID: 2171845/Pump-n-Pantry #001

Dear Mr. Cucura:

Enclosed are the analytical results for samples received by the laboratory on Tuesday, November 7, 2017.

The ALS Environmental laboratory in Middletown, Pennsylvania is a National Environmental Laboratory Accreditation Program (NELAP) accredited laboratory and as such, certifies that all applicable test results meet the requirements of NELAP.

If you have any questions regarding this certificate of analysis, please contact Ms. Amy K Borden (Project Coordinator) at (717) 944-5541.

Analyses were performed according to our laboratory's NELAP-approved quality assurance program and any applicable state requirements. The test results meet requirements of the current NELAP standards or state requirements, where applicable. For a specific list of accredited analytes, refer to the certifications section of the ALS website at www.alsglobal.com/en/Our-Services/Life-Sciences/Environmental/Downloads.

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ALS Spring City: 10 Riverside Drive, Spring City, PA 19475 610-948-4903

CC: Mr. Marty Gilgallon

This page is included as part of the Analytical Report and must be retained as a permanent record thereof.



Ms. Amy K Borden
Project Coordinator

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**SAMPLE SUMMARY**

Workorder: 2274405 2171845/Pump-n-Pantry #001

Lab ID	Sample ID	Matrix	Date Collected	Date Received	Collected By
2274405001	112-1102-OW1	Ground Water	11/2/2017 09:09	11/7/2017 09:04	Collected by Client
2274405002	112-1102-OW2	Ground Water	11/2/2017 09:25	11/7/2017 09:04	Collected by Client

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SAMPLE SUMMARY

Workorder: 2274405 2171845/Pump-n-Pantry #001

Notes

- Samples collected by ALS personnel are done so in accordance with the procedures set forth in the ALS Field Sampling Plan (20 - Field Services Sampling Plan).
- All Waste Water analyses comply with methodology requirements of 40 CFR Part 136.
- All Drinking Water analyses comply with methodology requirements of 40 CFR Part 141.
- Unless otherwise noted, all quantitative results for soils are reported on a dry weight basis.
- The Chain of Custody document is included as part of this report.
- All Library Search analytes should be regarded as tentative identifications based on the presumptive evidence of the mass spectra. Concentrations reported are estimated values.
- Parameters identified as "analyze immediately" require analysis within 15 minutes of collection. Any "analyze immediately" parameters not listed under the header "Field Parameters" are performed in the laboratory and are therefore analyzed out of hold time.
- Method references listed on this report beginning with the prefix "S" followed by a method number (such as S2310B-97) refer to methods from "Standard Methods for the Examination of Water and Wastewater".
- For microbiological analyses, the "Prepared" value is the date/time into the incubator and the "Analyzed" value is the date/time out the incubator.

Standard Acronyms/Flags

J	Indicates an estimated value between the Method Detection Limit (MDL) and the Practical Quantitation Limit (PQL) for the analyte
U	Indicates that the analyte was Not Detected (ND)
N	Indicates presumptive evidence of the presence of a compound
MDL	Method Detection Limit
PQL	Practical Quantitation Limit
RDL	Reporting Detection Limit
ND	Not Detected - indicates that the analyte was Not Detected at the RDL
Cntr	Analysis was performed using this container
RegLmt	Regulatory Limit
LCS	Laboratory Control Sample
MS	Matrix Spike
MSD	Matrix Spike Duplicate
DUP	Sample Duplicate
%Rec	Percent Recovery
RPD	Relative Percent Difference
LOD	DoD Limit of Detection
LOQ	DoD Limit of Quantitation
DL	DoD Detection Limit
I	Indicates reported value is greater than or equal to the Method Detection Limit (MDL) but less than the Report Detection Limit (RDL)
(S)	Surrogate Compound
NC	Not Calculated
*	Result outside of QC limits

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ANALYTICAL RESULTS

Workorder: 2274405 2171845/Pump-n-Pantry #001

Lab ID: **2274405001**
Sample ID: **112-1102-OW1**

Date Collected: 11/2/2017 09:09 Matrix: Ground Water
Date Received: 11/7/2017 09:04

Parameters	Results	Flag	Units	RDL	Method	Prepared	By	Analyzed	By	Cntr
VOLATILE ORGANICS										
Benzene	ND		ug/L	1.0	SW846 8260B			11/9/17 18:06	TMP	A
Ethylbenzene	ND		ug/L	1.0	SW846 8260B			11/9/17 18:06	TMP	A
Isopropylbenzene	ND		ug/L	1.0	SW846 8260B			11/9/17 18:06	TMP	A
Methyl t-Butyl Ether	ND		ug/L	1.0	SW846 8260B			11/9/17 18:06	TMP	A
Naphthalene	ND		ug/L	2.0	SW846 8260B			11/9/17 18:06	TMP	A
Toluene	ND		ug/L	1.0	SW846 8260B			11/9/17 18:06	TMP	A
Total Xylenes	ND		ug/L	3.0	SW846 8260B			11/9/17 18:06	TMP	A
1,2,4-Trimethylbenzene	ND		ug/L	1.0	SW846 8260B			11/9/17 18:06	TMP	A
1,3,5-Trimethylbenzene	ND		ug/L	1.0	SW846 8260B			11/9/17 18:06	TMP	A
<i>Surrogate Recoveries</i>	<i>Results</i>	<i>Flag</i>	<i>Units</i>	<i>Limits</i>	<i>Method</i>	<i>Prepared</i>	<i>By</i>	<i>Analyzed</i>	<i>By</i>	<i>Cntr</i>
1,2-Dichloroethane-d4 (S)	95.3		%	62 - 133	SW846 8260B			11/9/17 18:06	TMP	A
4-Bromofluorobenzene (S)	96.1		%	79 - 114	SW846 8260B			11/9/17 18:06	TMP	A
Dibromofluoromethane (S)	94		%	78 - 116	SW846 8260B			11/9/17 18:06	TMP	A
Toluene-d8 (S)	99		%	76 - 127	SW846 8260B			11/9/17 18:06	TMP	A



Ms. Amy K Borden
Project Coordinator

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ANALYTICAL RESULTS

Workorder: 2274405 2171845/Pump-n-Pantry #001

Lab ID: **2274405002**
Sample ID: **112-1102-OW2**

Date Collected: 11/2/2017 09:25 Matrix: Ground Water
Date Received: 11/7/2017 09:04

Parameters	Results	Flag	Units	RDL	Method	Prepared	By	Analyzed	By	Cntr
VOLATILE ORGANICS										
Benzene	ND		ug/L	1.0	SW846 8260B			11/9/17 18:24	TMP	A
Ethylbenzene	ND		ug/L	1.0	SW846 8260B			11/9/17 18:24	TMP	A
Isopropylbenzene	ND		ug/L	1.0	SW846 8260B			11/9/17 18:24	TMP	A
Methyl t-Butyl Ether	ND		ug/L	1.0	SW846 8260B			11/9/17 18:24	TMP	A
Naphthalene	ND		ug/L	2.0	SW846 8260B			11/9/17 18:24	TMP	A
Toluene	ND		ug/L	1.0	SW846 8260B			11/9/17 18:24	TMP	A
Total Xylenes	ND		ug/L	3.0	SW846 8260B			11/9/17 18:24	TMP	A
1,2,4-Trimethylbenzene	ND		ug/L	1.0	SW846 8260B			11/9/17 18:24	TMP	A
1,3,5-Trimethylbenzene	ND		ug/L	1.0	SW846 8260B			11/9/17 18:24	TMP	A
<i>Surrogate Recoveries</i>	<i>Results</i>	<i>Flag</i>	<i>Units</i>	<i>Limits</i>	<i>Method</i>	<i>Prepared</i>	<i>By</i>	<i>Analyzed</i>	<i>By</i>	<i>Cntr</i>
1,2-Dichloroethane-d4 (S)	92.6		%	62 - 133	SW846 8260B			11/9/17 18:24	TMP	A
4-Bromofluorobenzene (S)	99.2		%	79 - 114	SW846 8260B			11/9/17 18:24	TMP	A
Dibromofluoromethane (S)	94.9		%	78 - 116	SW846 8260B			11/9/17 18:24	TMP	A
Toluene-d8 (S)	105		%	76 - 127	SW846 8260B			11/9/17 18:24	TMP	A



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34 Dogwood Lane
Middletown, PA 17057
P. 717-944-5541
F. 717-944-1430

Environmental

CHAIN OF CUSTODY/ REQUEST FOR ANALYSIS

ALL SHADED AREAS MUST BE COMPLETED BY THE CLIENT /
SAMPLER. INSTRUCTIONS ON THE BACK.

COC #
ALS Q



1 of 1

Client Name: LaBella Associates, P.C.		Container Type	CG		
Address: 1000 Dunham Drive, Suite B		Container Size	40 ml		
Dunmore, PA 18512		Preservative	HCL		
Contact: Martin Gilgallon		ANALYSES/METHOD REQUESTED			
Phone#: (570) 487-1959 / (570) 342-3101					
Project Name/ID: 2171845/Pump-n-Pantry #001					
Bill To: Lynn Hanichak					
TAT ☒ Normal-Standard TAT is 10-12 business days.					
Date Required: Rush-Subject to ALS approval and surcharges.					
Email? ☒ Y ☐ N mgilgallon@labellapc.com					
Fax? ☐ Y ☐ N					
Sample Description/Location (as it will appear on the lab report)	Sample Date	Time	Matrix	Enter Number of Containers Per Sample or Field Results Below.	
1 112-1102-OW1	11/2/17	0909	G GW	2	
2 112-1102-OW2	11/2/17	0925	G GW	2	
3					
4					
5					
6					
7					
8					
9					
10					
Project Comments: FedEx #4121 9377 9730		LOGGED BY (signature):			
Relinquished By / Company Name		Date	Time	Received By / Company Name	Date
1 Chris YCerna / LaBella		11/3/17	1330	2 Fea Ex #8121 9377 9730	11/6/17
3				4	11/7 0904
5				6	
7				8	
9				10	
Special Processing		Data Deliverables		State Samples Collected In	
☒ Standard ☐ CLP-like ☐ USACE		☐ USACE		☐ NY ☐ NJ	
ALS Field Services: ☐ Pickup ☐ Labor ☐ Composite Sampling ☐ Rental Equipment ☐ Other:		Reportable to PADEP? ☐ Yes ☐ No		Sample Disposal ☒ PA ☐ NC ☐	
PWSID #		EDDS: Format Type			

November 10, 2017

Mr. Kevin Cucura
LaBella-Dunmore
1000 Dunham Drive
Suite B
Scranton, PA 18512

Certificate of Analysis

Project Name: 2171846/Pump-n-Pantry #001	Workorder: 2274406
Purchase Order:	Workorder ID: 2171846/Pump-n-Pantry #001

Dear Mr. Cucura:

Enclosed are the analytical results for samples received by the laboratory on Tuesday, November 7, 2017.

The ALS Environmental laboratory in Middletown, Pennsylvania is a National Environmental Laboratory Accreditation Program (NELAP) accredited laboratory and as such, certifies that all applicable test results meet the requirements of NELAP.

If you have any questions regarding this certificate of analysis, please contact Ms. Amy K Borden (Project Coordinator) at (717) 944-5541.

Analyses were performed according to our laboratory's NELAP-approved quality assurance program and any applicable state requirements. The test results meet requirements of the current NELAP standards or state requirements, where applicable. For a specific list of accredited analytes, refer to the certifications section of the ALS website at www.alsglobal.com/en/Our-Services/Life-Sciences/Environmental/Downloads.

This laboratory report may not be reproduced, except in full, without the written approval of ALS Environmental.

ALS Spring City: 10 Riverside Drive, Spring City, PA 19475 610-948-4903

CC: Mr. Marty Gilgallon

This page is included as part of the Analytical Report and must be retained as a permanent record thereof.



Ms. Amy K Borden
Project Coordinator

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**SAMPLE SUMMARY**

Workorder: 2274406 2171846/Pump-n-Pantry #001

Lab ID	Sample ID	Matrix	Date Collected	Date Received	Collected By
2274406001	112-1102-MW11	Ground Water	11/2/2017 14:01	11/7/2017 09:04	Collected by Client
2274406002	112-1102-MW12	Ground Water	11/2/2017 16:11	11/7/2017 09:04	Collected by Client
2274406003	112-1102-MW13	Ground Water	11/2/2017 14:39	11/7/2017 09:04	Collected by Client
2274406004	112-1102-MW14	Ground Water	11/2/2017 13:20	11/7/2017 09:04	Collected by Client
2274406005	112-1102-FB2	Ground Water	11/3/2017 12:05	11/7/2017 09:04	Collected by Client

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SAMPLE SUMMARY

Workorder: 2274406 2171846/Pump-n-Pantry #001

Notes

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N	Indicates presumptive evidence of the presence of a compound
MDL	Method Detection Limit
PQL	Practical Quantitation Limit
RDL	Reporting Detection Limit
ND	Not Detected - indicates that the analyte was Not Detected at the RDL
Cntr	Analysis was performed using this container
RegLmt	Regulatory Limit
LCS	Laboratory Control Sample
MS	Matrix Spike
MSD	Matrix Spike Duplicate
DUP	Sample Duplicate
%Rec	Percent Recovery
RPD	Relative Percent Difference
LOD	DoD Limit of Detection
LOQ	DoD Limit of Quantitation
DL	DoD Detection Limit
I	Indicates reported value is greater than or equal to the Method Detection Limit (MDL) but less than the Report Detection Limit (RDL)
(S)	Surrogate Compound
NC	Not Calculated
*	Result outside of QC limits

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ANALYTICAL RESULTS

Workorder: 2274406 2171846/Pump-n-Pantry #001

Lab ID: 2274406001

Date Collected: 11/2/2017 14:01

Matrix: Ground Water

Sample ID: 112-1102-MW11

Date Received: 11/7/2017 09:04

Parameters	Results	Flag	Units	RDL	Method	Prepared	By	Analyzed	By	Cntr
VOLATILE ORGANICS										
Benzene	ND		ug/L	1.0	SW846 8260B			11/9/17 13:52	TMP	A
Ethylbenzene	ND		ug/L	1.0	SW846 8260B			11/9/17 13:52	TMP	A
Isopropylbenzene	ND		ug/L	1.0	SW846 8260B			11/9/17 13:52	TMP	A
Methyl t-Butyl Ether	ND		ug/L	1.0	SW846 8260B			11/9/17 13:52	TMP	A
Naphthalene	ND		ug/L	2.0	SW846 8260B			11/9/17 13:52	TMP	A
Toluene	ND		ug/L	1.0	SW846 8260B			11/9/17 13:52	TMP	A
Total Xylenes	ND		ug/L	3.0	SW846 8260B			11/9/17 13:52	TMP	A
1,2,4-Trimethylbenzene	ND		ug/L	1.0	SW846 8260B			11/9/17 13:52	TMP	A
1,3,5-Trimethylbenzene	ND		ug/L	1.0	SW846 8260B			11/9/17 13:52	TMP	A
<i>Surrogate Recoveries</i>	<i>Results</i>	<i>Flag</i>	<i>Units</i>	<i>Limits</i>	<i>Method</i>	<i>Prepared</i>	<i>By</i>	<i>Analyzed</i>	<i>By</i>	<i>Cntr</i>
1,2-Dichloroethane-d4 (S)	91.6		%	62 - 133	SW846 8260B			11/9/17 13:52	TMP	A
4-Bromofluorobenzene (S)	95.2		%	79 - 114	SW846 8260B			11/9/17 13:52	TMP	A
Dibromofluoromethane (S)	98.8		%	78 - 116	SW846 8260B			11/9/17 13:52	TMP	A
Toluene-d8 (S)	102		%	76 - 127	SW846 8260B			11/9/17 13:52	TMP	A



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Project Coordinator

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ANALYTICAL RESULTS

Workorder: 2274406 2171846/Pump-n-Pantry #001

Lab ID: 2274406002
Sample ID: 112-1102-MW12

Date Collected: 11/2/2017 16:11 Matrix: Ground Water
Date Received: 11/7/2017 09:04

Parameters	Results	Flag	Units	RDL	Method	Prepared	By	Analyzed	By	Cntr
VOLATILE ORGANICS										
Benzene	ND		ug/L	1.0	SW846 8260B			11/9/17 14:10	TMP	A
Ethylbenzene	ND		ug/L	1.0	SW846 8260B			11/9/17 14:10	TMP	A
Isopropylbenzene	ND		ug/L	1.0	SW846 8260B			11/9/17 14:10	TMP	A
Methyl t-Butyl Ether	ND		ug/L	1.0	SW846 8260B			11/9/17 14:10	TMP	A
Naphthalene	ND		ug/L	2.0	SW846 8260B			11/9/17 14:10	TMP	A
Toluene	ND		ug/L	1.0	SW846 8260B			11/9/17 14:10	TMP	A
Total Xylenes	ND		ug/L	3.0	SW846 8260B			11/9/17 14:10	TMP	A
1,2,4-Trimethylbenzene	ND		ug/L	1.0	SW846 8260B			11/9/17 14:10	TMP	A
1,3,5-Trimethylbenzene	ND		ug/L	1.0	SW846 8260B			11/9/17 14:10	TMP	A
<i>Surrogate Recoveries</i>	<i>Results</i>	<i>Flag</i>	<i>Units</i>	<i>Limits</i>	<i>Method</i>	<i>Prepared</i>	<i>By</i>	<i>Analyzed</i>	<i>By</i>	<i>Cntr</i>
1,2-Dichloroethane-d4 (S)	99.2		%	62 - 133	SW846 8260B			11/9/17 14:10	TMP	A
4-Bromofluorobenzene (S)	95.1		%	79 - 114	SW846 8260B			11/9/17 14:10	TMP	A
Dibromofluoromethane (S)	99.8		%	78 - 116	SW846 8260B			11/9/17 14:10	TMP	A
Toluene-d8 (S)	104		%	76 - 127	SW846 8260B			11/9/17 14:10	TMP	A

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ANALYTICAL RESULTS

Workorder: 2274406 2171846/Pump-n-Pantry #001

Lab ID: **2274406003**
Sample ID: **112-1102-MW13**

Date Collected: 11/2/2017 14:39 Matrix: Ground Water
Date Received: 11/7/2017 09:04

Parameters	Results	Flag	Units	RDL	Method	Prepared	By	Analyzed	By	Cntr
VOLATILE ORGANICS										
Benzene	ND		ug/L	1.0	SW846 8260B			11/9/17 14:28	TMP	A
Ethylbenzene	ND		ug/L	1.0	SW846 8260B			11/9/17 14:28	TMP	A
Isopropylbenzene	ND		ug/L	1.0	SW846 8260B			11/9/17 14:28	TMP	A
Methyl t-Butyl Ether	ND		ug/L	1.0	SW846 8260B			11/9/17 14:28	TMP	A
Naphthalene	ND		ug/L	2.0	SW846 8260B			11/9/17 14:28	TMP	A
Toluene	ND		ug/L	1.0	SW846 8260B			11/9/17 14:28	TMP	A
Total Xylenes	ND		ug/L	3.0	SW846 8260B			11/9/17 14:28	TMP	A
1,2,4-Trimethylbenzene	ND		ug/L	1.0	SW846 8260B			11/9/17 14:28	TMP	A
1,3,5-Trimethylbenzene	ND		ug/L	1.0	SW846 8260B			11/9/17 14:28	TMP	A
<i>Surrogate Recoveries</i>	<i>Results</i>	<i>Flag</i>	<i>Units</i>	<i>Limits</i>	<i>Method</i>	<i>Prepared</i>	<i>By</i>	<i>Analyzed</i>	<i>By</i>	<i>Cntr</i>
1,2-Dichloroethane-d4 (S)	96.5		%	62 - 133	SW846 8260B			11/9/17 14:28	TMP	A
4-Bromofluorobenzene (S)	96.7		%	79 - 114	SW846 8260B			11/9/17 14:28	TMP	A
Dibromofluoromethane (S)	97.6		%	78 - 116	SW846 8260B			11/9/17 14:28	TMP	A
Toluene-d8 (S)	106		%	76 - 127	SW846 8260B			11/9/17 14:28	TMP	A



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ANALYTICAL RESULTS

Workorder: 2274406 2171846/Pump-n-Pantry #001

Lab ID: **2274406004**
Sample ID: **112-1102-MW14**

Date Collected: 11/2/2017 13:20 Matrix: Ground Water
Date Received: 11/7/2017 09:04

Parameters	Results	Flag	Units	RDL	Method	Prepared	By	Analyzed	By	Cntr
VOLATILE ORGANICS										
Benzene	ND		ug/L	1.0	SW846 8260B			11/9/17 14:46	TMP	A
Ethylbenzene	ND		ug/L	1.0	SW846 8260B			11/9/17 14:46	TMP	A
Isopropylbenzene	ND		ug/L	1.0	SW846 8260B			11/9/17 14:46	TMP	A
Methyl t-Butyl Ether	ND		ug/L	1.0	SW846 8260B			11/9/17 14:46	TMP	A
Naphthalene	ND		ug/L	2.0	SW846 8260B			11/9/17 14:46	TMP	A
Toluene	ND		ug/L	1.0	SW846 8260B			11/9/17 14:46	TMP	A
Total Xylenes	ND		ug/L	3.0	SW846 8260B			11/9/17 14:46	TMP	A
1,2,4-Trimethylbenzene	ND		ug/L	1.0	SW846 8260B			11/9/17 14:46	TMP	A
1,3,5-Trimethylbenzene	ND		ug/L	1.0	SW846 8260B			11/9/17 14:46	TMP	A
<i>Surrogate Recoveries</i>	<i>Results</i>	<i>Flag</i>	<i>Units</i>	<i>Limits</i>	<i>Method</i>	<i>Prepared</i>	<i>By</i>	<i>Analyzed</i>	<i>By</i>	<i>Cntr</i>
1,2-Dichloroethane-d4 (S)	94.2		%	62 - 133	SW846 8260B			11/9/17 14:46	TMP	A
4-Bromofluorobenzene (S)	96.8		%	79 - 114	SW846 8260B			11/9/17 14:46	TMP	A
Dibromofluoromethane (S)	97.1		%	78 - 116	SW846 8260B			11/9/17 14:46	TMP	A
Toluene-d8 (S)	100		%	76 - 127	SW846 8260B			11/9/17 14:46	TMP	A

Ms. Amy K Borden
Project Coordinator

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ANALYTICAL RESULTS

Workorder: 2274406 2171846/Pump-n-Pantry #001

Lab ID: **2274406005**
Sample ID: **112-1102-FB2**

Date Collected: 11/3/2017 12:05 Matrix: Ground Water
Date Received: 11/7/2017 09:04

Parameters	Results	Flag	Units	RDL	Method	Prepared	By	Analyzed	By	Cntr
VOLATILE ORGANICS										
Benzene	ND		ug/L	1.0	SW846 8260B			11/9/17 16:17	TMP	A
Ethylbenzene	ND		ug/L	1.0	SW846 8260B			11/9/17 16:17	TMP	A
Isopropylbenzene	ND		ug/L	1.0	SW846 8260B			11/9/17 16:17	TMP	A
Methyl t-Butyl Ether	ND		ug/L	1.0	SW846 8260B			11/9/17 16:17	TMP	A
Naphthalene	ND		ug/L	2.0	SW846 8260B			11/9/17 16:17	TMP	A
Toluene	ND		ug/L	1.0	SW846 8260B			11/9/17 16:17	TMP	A
Total Xylenes	ND		ug/L	3.0	SW846 8260B			11/9/17 16:17	TMP	A
1,2,4-Trimethylbenzene	ND		ug/L	1.0	SW846 8260B			11/9/17 16:17	TMP	A
1,3,5-Trimethylbenzene	ND		ug/L	1.0	SW846 8260B			11/9/17 16:17	TMP	A
<i>Surrogate Recoveries</i>	<i>Results</i>	<i>Flag</i>	<i>Units</i>	<i>Limits</i>	<i>Method</i>	<i>Prepared</i>	<i>By</i>	<i>Analyzed</i>	<i>By</i>	<i>Cntr</i>
1,2-Dichloroethane-d4 (S)	98.4		%	62 - 133	SW846 8260B			11/9/17 16:17	TMP	A
4-Bromofluorobenzene (S)	95		%	79 - 114	SW846 8260B			11/9/17 16:17	TMP	A
Dibromofluoromethane (S)	101		%	78 - 116	SW846 8260B			11/9/17 16:17	TMP	A
Toluene-d8 (S)	109		%	76 - 127	SW846 8260B			11/9/17 16:17	TMP	A



Ms. Amy K Borden
Project Coordinator

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34 Dogwood Lane
Middletown, PA 17057
P. 717-944-5541
F. 717-944-1430

Environmental

CHAIN OF CUSTODY/ REQUEST FOR ANALYSIS

ALL SHADED AREAS MUST BE COMPLETED BY THE CLIENT /
SAMPLER. INSTRUCTIONS ON THE BACK.

COC #: **1** of **1**

ALS QI

* 2 2 7 4 4 0 6 *

Client Name: LaBella Associates, P.C.		Container Type	CG	Receipt Number (if applicable)		Lab)	
Address: 1000 Dunham Drive, Suite B		Container Size	40 ml	Cooler Temp: 3		Therm ID: 402	
Dunmore, PA 18512		Preservative	HCL	No. of Coolers: Y N		Initial: <i>LB</i>	
Contact: Martin Gilgallon		ANALYSES/METHOD REQUESTED					
Phone#: (570) 487-1959 / (570) 342-3101		Custody Seals Present? ☐ (if present) Seals Intact? ☐ Received on Ice? ☐ COC Labels Complete/Accurate? ☐ Cont. In Good Cond.? ☐ Correct Containers? ☐ Correct Sample Volumes? ☐ Correct Preservation? ☐ Headspace/Volatiles? ☐ Courier/Tracking # <i>521937730</i> Sample/COC Comments					
Project Name#: 2171846/Pump-n-Pantry #001							
Bill To: Lynn Hanichak							
TAT ☒ Normal-Standard TAT is 10-12 business days. Rush-Subject to ALS approval and surcharges. ☐ Date Required: _____ Approved By: _____ Email? ☒ Y ☐ N <i>mgilgallon@labellapc.com</i> Fax? ☐ Y ☐ N							
Sample Description/Location (as it will appear on the lab report)	Sample Date	Time	Matrix	Enter Number of Containers Per Sample or Field Results Below.	ALS Field Services: ☐ Pickup ☐ Labor ☐ Composite Sampling ☐ Rental Equipment ☐ Other		
1 112-1102-MW11	11/2/17	1401	GW	2	☒ Standard	☐ CLP-like	☐ USACE
2 112-1102-MW12	11/2/17	1611	GW	2	☐ CLP-like	☐ USACE	☐ Navy
3 112-1102-MW13	11/2/17	1439	GW	2	☐ CLP-like	☐ USACE	☐ Navy
4 112-1102-MW14	11/2/17	1320	GW	2	☐ CLP-like	☐ USACE	☐ Navy
5 112-1102-FB2	11/3/17	1205	DI	2	☐ CLP-like	☐ USACE	☐ Navy
6					☐ CLP-like	☐ USACE	☐ Navy
7					☐ CLP-like	☐ USACE	☐ Navy
8					☐ CLP-like	☐ USACE	☐ Navy
9					☐ CLP-like	☐ USACE	☐ Navy
10					☐ CLP-like	☐ USACE	☐ Navy
Project Comments: FedEx #8121 9377 9730		LOGGED BY (signature):		REVIEWED BY (signature):		State Samples Collected In	
Relinquished By / Company Name		Date	Time	Received By / Company Name		Date	Time
1 Chris <i>Y. Hanichak</i> / LaBella		11/3/17	1330	2 FED EX #8121 9377 9730		11/6/17	
3				4		11/7	0104
5				6			
7				8			
9				10			
Special Processing		Data Deliverables		Sample Disposal		Special	
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☐ Navy		☐ USACE		☐ Lab		☐ Special	
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☐ Navy		☐ USACE					

November 14, 2017

Mr. Kevin Cucura
LaBella-Dunmore
1000 Dunham Drive
Suite B
Scranton, PA 18512

Certificate of Analysis

Project Name: 2171846/Pump-n-Pantry #001	Workorder: 2274407
Purchase Order:	Workorder ID: 2171846/Pump-n-Pantry #001

Dear Mr. Cucura:

Enclosed are the analytical results for samples received by the laboratory on Tuesday, November 7, 2017.

The ALS Environmental laboratory in Middletown, Pennsylvania is a National Environmental Laboratory Accreditation Program (NELAP) accredited laboratory and as such, certifies that all applicable test results meet the requirements of NELAP.

If you have any questions regarding this certificate of analysis, please contact Ms. Amy K Borden (Project Coordinator) at (717) 944-5541.

Analyses were performed according to our laboratory's NELAP-approved quality assurance program and any applicable state requirements. The test results meet requirements of the current NELAP standards or state requirements, where applicable. For a specific list of accredited analytes, refer to the certifications section of the ALS website at www.alsglobal.com/en/Our-Services/Life-Sciences/Environmental/Downloads.

This laboratory report may not be reproduced, except in full, without the written approval of ALS Environmental.

ALS Spring City: 10 Riverside Drive, Spring City, PA 19475 610-948-4903

CC: Mr. Marty Gilgallon

*This page is included as part of the Analytical Report and
must be retained as a permanent record thereof.*



Ms. Amy K Borden
Project Coordinator

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Vancouver Waterloo · Winnipeg · Yellowknife United States: Cincinnati · Everett · Fort Collins · Holland · Houston · Middletown · Salt Lake City · Spring City · York Mexico: Monterrey

**SAMPLE SUMMARY**

Workorder: 2274407 2171846/Pump-n-Pantry #001

Lab ID	Sample ID	Matrix	Date Collected	Date Received	Collected By
2274407001	112-1102-OW3	Ground Water	11/2/2017 09:48	11/7/2017 09:04	Collected by Client
2274407002	112-1102-OW4	Ground Water	11/2/2017 10:01	11/7/2017 09:04	Collected by Client

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Vancouver Waterloo · Winnipeg · Yellowknife **United States:** Cincinnati · Everett · Fort Collins · Holland · Houston · Middletown · Salt Lake City · Spring City · York **Mexico:** Monterrey

SAMPLE SUMMARY

Workorder: 2274407 2171846/Pump-n-Pantry #001

Notes

- Samples collected by ALS personnel are done so in accordance with the procedures set forth in the ALS Field Sampling Plan (20 - Field Services Sampling Plan).
- All Waste Water analyses comply with methodology requirements of 40 CFR Part 136.
- All Drinking Water analyses comply with methodology requirements of 40 CFR Part 141.
- Unless otherwise noted, all quantitative results for soils are reported on a dry weight basis.
- The Chain of Custody document is included as part of this report.
- All Library Search analytes should be regarded as tentative identifications based on the presumptive evidence of the mass spectra. Concentrations reported are estimated values.
- Parameters identified as "analyze immediately" require analysis within 15 minutes of collection. Any "analyze immediately" parameters not listed under the header "Field Parameters" are performed in the laboratory and are therefore analyzed out of hold time.
- Method references listed on this report beginning with the prefix "S" followed by a method number (such as S2310B-97) refer to methods from "Standard Methods for the Examination of Water and Wastewater".
- For microbiological analyses, the "Prepared" value is the date/time into the incubator and the "Analyzed" value is the date/time out the incubator.

Standard Acronyms/Flags

J	Indicates an estimated value between the Method Detection Limit (MDL) and the Practical Quantitation Limit (PQL) for the analyte
U	Indicates that the analyte was Not Detected (ND)
N	Indicates presumptive evidence of the presence of a compound
MDL	Method Detection Limit
PQL	Practical Quantitation Limit
RDL	Reporting Detection Limit
ND	Not Detected - indicates that the analyte was Not Detected at the RDL
Cntr	Analysis was performed using this container
RegLmt	Regulatory Limit
LCS	Laboratory Control Sample
MS	Matrix Spike
MSD	Matrix Spike Duplicate
DUP	Sample Duplicate
%Rec	Percent Recovery
RPD	Relative Percent Difference
LOD	DoD Limit of Detection
LOQ	DoD Limit of Quantitation
DL	DoD Detection Limit
I	Indicates reported value is greater than or equal to the Method Detection Limit (MDL) but less than the Report Detection Limit (RDL)
(S)	Surrogate Compound
NC	Not Calculated
*	Result outside of QC limits

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Vancouver Waterloo · Winnipeg · Yellowknife United States: Cincinnati · Everett · Fort Collins · Holland · Houston · Middletown · Salt Lake City · Spring City · York Mexico: Monterrey

**ANALYTICAL RESULTS**

Workorder: 2274407 2171846/Pump-n-Pantry #001

Lab ID: 2274407001
Sample ID: 112-1102-OW3Date Collected: 11/2/2017 09:48 Matrix: Ground Water
Date Received: 11/7/2017 09:04

Parameters	Results	Flag	Units	RDL	Method	Prepared	By	Analyzed	By	Cntr
VOLATILE ORGANICS										
Benzene	ND		ug/L	1.0	SW846 8260B			11/9/17 18:42	TMP	A
Ethylbenzene	ND		ug/L	1.0	SW846 8260B			11/9/17 18:42	TMP	A
Isopropylbenzene	ND		ug/L	1.0	SW846 8260B			11/9/17 18:42	TMP	A
Methyl t-Butyl Ether	ND		ug/L	1.0	SW846 8260B			11/9/17 18:42	TMP	A
Naphthalene	ND		ug/L	2.0	SW846 8260B			11/9/17 18:42	TMP	A
Toluene	ND		ug/L	1.0	SW846 8260B			11/9/17 18:42	TMP	A
Total Xylenes	ND		ug/L	3.0	SW846 8260B			11/9/17 18:42	TMP	A
1,2,4-Trimethylbenzene	ND		ug/L	1.0	SW846 8260B			11/9/17 18:42	TMP	A
1,3,5-Trimethylbenzene	ND		ug/L	1.0	SW846 8260B			11/9/17 18:42	TMP	A
<i>Surrogate Recoveries</i>	<i>Results</i>	<i>Flag</i>	<i>Units</i>	<i>Limits</i>	<i>Method</i>	<i>Prepared</i>	<i>By</i>	<i>Analyzed</i>	<i>By</i>	<i>Cntr</i>
1,2-Dichloroethane-d4 (S)	96.4		%	62 - 133	SW846 8260B			11/9/17 18:42	TMP	A
4-Bromofluorobenzene (S)	97.9		%	79 - 114	SW846 8260B			11/9/17 18:42	TMP	A
Dibromofluoromethane (S)	92.6		%	78 - 116	SW846 8260B			11/9/17 18:42	TMP	A
Toluene-d8 (S)	100		%	76 - 127	SW846 8260B			11/9/17 18:42	TMP	A

Ms. Amy K Borden
Project Coordinator**ALS Environmental Laboratory Locations Across North America**Canada: Burlington · Calgary · Centre of Excellence · Edmonton · Fort McMurray · Fort St. John · Grande Prairie · London · Mississauga · Richmond Hill · Saskatoon · Thunder Bay
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ANALYTICAL RESULTS

Workorder: 2274407 2171846/Pump-n-Pantry #001

Lab ID: **2274407002**
Sample ID: **112-1102-OW4**

Date Collected: 11/2/2017 10:01 Matrix: Ground Water
Date Received: 11/7/2017 09:04

Parameters	Results	Flag	Units	RDL	Method	Prepared	By	Analyzed	By	Cntr
VOLATILE ORGANICS										
Benzene	ND		ug/L	1.0	SW846 8260B			11/13/17 15:20	TMP	B
Ethylbenzene	ND		ug/L	1.0	SW846 8260B			11/13/17 15:20	TMP	B
Isopropylbenzene	ND		ug/L	1.0	SW846 8260B			11/13/17 15:20	TMP	B
Methyl t-Butyl Ether	ND		ug/L	1.0	SW846 8260B			11/13/17 15:20	TMP	B
Naphthalene	ND		ug/L	2.0	SW846 8260B			11/13/17 15:20	TMP	B
Toluene	ND		ug/L	1.0	SW846 8260B			11/13/17 15:20	TMP	B
Total Xylenes	3.2		ug/L	3.0	SW846 8260B			11/13/17 15:20	TMP	B
1,2,4-Trimethylbenzene	1.9		ug/L	1.0	SW846 8260B			11/13/17 15:20	TMP	B
1,3,5-Trimethylbenzene	ND		ug/L	1.0	SW846 8260B			11/13/17 15:20	TMP	B
<i>Surrogate Recoveries</i>	<i>Results</i>	<i>Flag</i>	<i>Units</i>	<i>Limits</i>	<i>Method</i>	<i>Prepared</i>	<i>By</i>	<i>Analyzed</i>	<i>By</i>	<i>Cntr</i>
1,2-Dichloroethane-d4 (S)	115		%	62 - 133	SW846 8260B			11/13/17 15:20	TMP	B
4-Bromofluorobenzene (S)	106		%	79 - 114	SW846 8260B			11/13/17 15:20	TMP	B
Dibromofluoromethane (S)	111		%	78 - 116	SW846 8260B			11/13/17 15:20	TMP	B
Toluene-d8 (S)	106		%	76 - 127	SW846 8260B			11/13/17 15:20	TMP	B



Ms. Amy K Borden
Project Coordinator

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34 Dogwood Lane
Middletown, PA 17057
P. 717-944-5541
F. 717-944-1430

Environmental

**CHAIN OF CUSTODY/
REQUEST FOR ANALYSIS**
ALL SHADED AREAS MUST BE COMPLETED BY THE CLIENT /
SAMPLER. INSTRUCTIONS ON THE BACK.

COC #
ALS Q



1 of 1

Client Name: LaBella Associates, P.C.		Container Type	CG		
Address: 1000 Dunham Drive, Suite B		Container Size	40 ml		
Dunmore, PA 18512		Preservative	HCL		
Contact: Martin Gillingall		ANALYSES/METHOD REQUESTED			
Phone#: (570) 487-1959 / (570) 342-3101					
Project Name/ID: 2171846(Pump-n-Pantry #001)					
Bill To: Lynn Hanichak					
TAT ☒ Normal-Standard TAT is 10-12 business days.					
Date Required: Rush-Subject to ALS approval and surcharges.					
Approved By: _____					
Email? ☒ Y ☐ N	Email: <u>mgillingall@labellapc.com</u>				
Fax? ☐ Y ☐ N	Fax: _____				
Sample Description/Location (as it will appear on the lab report)	Sample Date	Time	Matrix	Enter Number of Containers Per Sample or Field Results Below.	
1 112-1102-OW3	11/2/17	0948	G	GW	2
2 112-1102-OW4	11/2/17	1001	G	GW	2
3					
4					
5					
6					
7					
8					
9					
10					
Project Comments: FedEx #8121 9377 9730		LOGGED BY (signature): _____			
Relinquished By / Company Name		Date	Time	Received By / Company Name	Date
1 Chris Yocum / LaBella		11/3/17	1330	FED EX #8121 9377 9730	11/6/17
3				4	11/7/17
5				6	0948
7				8	
9				10	
Cooler Temp: 3 Therm ID: 402		No. of Coolers: Y N Initial			
Custody Seals Present? (if present) Seals Intact?		☒ Y ☐ N			
Resealed on Ice?		☒ Y ☐ N			
COCLabels Complete/Accurate?		☒ Y ☐ N			
Cont. in Good Cond.?		☒ Y ☐ N			
Correct Containers?		☒ Y ☐ N			
Correct Sample Volumes?		☒ Y ☐ N			
Correct Preservation?		☒ Y ☐ N			
Headspace/Volatiles?		☒ Y ☐ N			
Courier Tracking #: 82993779730		Sample/COC Comments			
ALS Field Services: _____ Pickup _____ Labor _____ Composite Sampling _____ Rental Equipment _____ Other _____					
Special Processing		State Samples Collected In			
USACE ☐ Navy ☐		☐ NY ☐ NJ ☒ PA ☐ NC			
Data Deliverables		Sample Disposal			
X Standard ☐ CLP-like ☐ USACE ☐		Lab ☐ Special ☐			
Reportable to PADEP? Yes ☐ No ☒		PWSID # _____			
EDDS: Format Type _____					

November 10, 2017

Mr. Kevin Cucura
LaBella-Dunmore
1000 Dunham Drive
Suite B
Scranton, PA 18512

Certificate of Analysis

Project Name: 2171846/Pump-n-Pantry #001	Workorder: 2274409
Purchase Order:	Workorder ID: 2171846/Pump-n-Pantry #001

Dear Mr. Cucura:

Enclosed are the analytical results for samples received by the laboratory on Tuesday, November 7, 2017.

The ALS Environmental laboratory in Middletown, Pennsylvania is a National Environmental Laboratory Accreditation Program (NELAP) accredited laboratory and as such, certifies that all applicable test results meet the requirements of NELAP.

If you have any questions regarding this certificate of analysis, please contact Ms. Amy K Borden (Project Coordinator) at (717) 944-5541.

Analyses were performed according to our laboratory's NELAP-approved quality assurance program and any applicable state requirements. The test results meet requirements of the current NELAP standards or state requirements, where applicable. For a specific list of accredited analytes, refer to the certifications section of the ALS website at www.alsglobal.com/en/Our-Services/Life-Sciences/Environmental/Downloads.

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ALS Spring City: 10 Riverside Drive, Spring City, PA 19475 610-948-4903

CC: Mr. Marty Gilgallon

This page is included as part of the Analytical Report and must be retained as a permanent record thereof.



Ms. Amy K Borden
Project Coordinator

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**SAMPLE SUMMARY**

Workorder: 2274409 2171846/Pump-n-Pantry #001

Lab ID	Sample ID	Matrix	Date Collected	Date Received	Collected By
2274409001	112-1102-RW1	Ground Water	11/2/2017 10:18	11/7/2017 09:04	Collected by Client

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SAMPLE SUMMARY

Workorder: 2274409 2171846/Pump-n-Pantry #001

Notes

- Samples collected by ALS personnel are done so in accordance with the procedures set forth in the ALS Field Sampling Plan (20 - Field Services Sampling Plan).
- All Waste Water analyses comply with methodology requirements of 40 CFR Part 136.
- All Drinking Water analyses comply with methodology requirements of 40 CFR Part 141.
- Unless otherwise noted, all quantitative results for soils are reported on a dry weight basis.
- The Chain of Custody document is included as part of this report.
- All Library Search analytes should be regarded as tentative identifications based on the presumptive evidence of the mass spectra. Concentrations reported are estimated values.
- Parameters identified as "analyze immediately" require analysis within 15 minutes of collection. Any "analyze immediately" parameters not listed under the header "Field Parameters" are performed in the laboratory and are therefore analyzed out of hold time.
- Method references listed on this report beginning with the prefix "S" followed by a method number (such as S2310B-97) refer to methods from "Standard Methods for the Examination of Water and Wastewater".
- For microbiological analyses, the "Prepared" value is the date/time into the incubator and the "Analyzed" value is the date/time out the incubator.

Standard Acronyms/Flags

J	Indicates an estimated value between the Method Detection Limit (MDL) and the Practical Quantitation Limit (PQL) for the analyte
U	Indicates that the analyte was Not Detected (ND)
N	Indicates presumptive evidence of the presence of a compound
MDL	Method Detection Limit
PQL	Practical Quantitation Limit
RDL	Reporting Detection Limit
ND	Not Detected - indicates that the analyte was Not Detected at the RDL
Cntr	Analysis was performed using this container
RegLmt	Regulatory Limit
LCS	Laboratory Control Sample
MS	Matrix Spike
MSD	Matrix Spike Duplicate
DUP	Sample Duplicate
%Rec	Percent Recovery
RPD	Relative Percent Difference
LOD	DoD Limit of Detection
LOQ	DoD Limit of Quantitation
DL	DoD Detection Limit
I	Indicates reported value is greater than or equal to the Method Detection Limit (MDL) but less than the Report Detection Limit (RDL)
(S)	Surrogate Compound
NC	Not Calculated
*	Result outside of QC limits

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**ANALYTICAL RESULTS**

Workorder: 2274409 2171846/Pump-n-Pantry #001

Lab ID: 2274409001

Date Collected: 11/2/2017 10:18

Matrix: Ground Water

Sample ID: 112-1102-RW1

Date Received: 11/7/2017 09:04

Parameters	Results	Flag	Units	RDL	Method	Prepared	By	Analyzed	By	Cntr
VOLATILE ORGANICS										
Benzene	ND		ug/L	1.0	SW846 8260B			11/9/17 15:04	TMP	A
Ethylbenzene	ND		ug/L	1.0	SW846 8260B			11/9/17 15:04	TMP	A
Isopropylbenzene	ND		ug/L	1.0	SW846 8260B			11/9/17 15:04	TMP	A
Methyl t-Butyl Ether	ND		ug/L	1.0	SW846 8260B			11/9/17 15:04	TMP	A
Naphthalene	ND		ug/L	2.0	SW846 8260B			11/9/17 15:04	TMP	A
Toluene	ND		ug/L	1.0	SW846 8260B			11/9/17 15:04	TMP	A
Total Xylenes	ND		ug/L	3.0	SW846 8260B			11/9/17 15:04	TMP	A
1,2,4-Trimethylbenzene	1.6		ug/L	1.0	SW846 8260B			11/9/17 15:04	TMP	A
1,3,5-Trimethylbenzene	ND		ug/L	1.0	SW846 8260B			11/9/17 15:04	TMP	A
<i>Surrogate Recoveries</i>	<i>Results</i>	<i>Flag</i>	<i>Units</i>	<i>Limits</i>	<i>Method</i>	<i>Prepared</i>	<i>By</i>	<i>Analyzed</i>	<i>By</i>	<i>Cntr</i>
1,2-Dichloroethane-d4 (S)	95.8		%	62 - 133	SW846 8260B			11/9/17 15:04	TMP	A
4-Bromofluorobenzene (S)	99.8		%	79 - 114	SW846 8260B			11/9/17 15:04	TMP	A
Dibromofluoromethane (S)	99.4		%	78 - 116	SW846 8260B			11/9/17 15:04	TMP	A
Toluene-d8 (S)	107		%	76 - 127	SW846 8260B			11/9/17 15:04	TMP	A

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Project Coordinator**ALS Environmental Laboratory Locations Across North America**Canada: Burlington · Calgary · Centre of Excellence · Edmonton · Fort McMurray · Fort St. John · Grande Prairie · London · Mississauga · Richmond Hill · Saskatoon · Thunder Bay
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**CHAIN OF CUSTODY/
REQUEST FOR ANALYSIS**

1 of 1

Client Name: LaBella Associates, P.C.		Container Type	OG	ANALYSES/METHOD REQUESTED		Cooler Temp: 5 Therm ID: 602	
Address: 1000 Dunham Drive, Suite B		Container Size	40 ml			No. of Coolers: Y N Initial B	
Dunmore, PA 18512		Preservative	HCL			Custody Seals Present? (If present) Seals Intact? Received on Ice? COC Labels Complete/Accurate? Cont. in Good Cond.? Correct Containers? Correct Sample Volumes? Correct Preservation? Headspace/Volatiles?	
Contact: Martin Gilgallon						Courier/Tracking #: 512003779730	
Phone#: (570) 487-1959 / (570) 342-3101						Sample/COC Comments	
Project Name#: 2171846/Pump-n-Pantry #001							
Bill To: Lynn Hanichak							
TAT ☒ Normal-Standard TAT is 10-12 business days. ☐ Rush-Subject to ALS approval and surcharges.							
Date Required: Approved By: Y-Y mgilgallon@labellapc.com							
Email? Y-Y No:							
Fax? Y-Y No:							
Sample Description/Location (as it will appear on the lab report)		Sample Date	Time	Enter Number of Containers Per Sample or Field Results Below.			
1 112-1102-RW1		11/2/17	1018	2			
2							
3							
4							
5							
6							
7							
8							
9							
10							
Project Comments: FedEx #8121 9377 9730		LOGGED BY (signature):		Date		ALS Field Services: Pickup Labor Composite Sampling Rental Equipment Other:	
Relinquished By / Company Name		Date	Time	Received By / Company Name		Special Processing	
1 Chris Gennaro / LaBella		11/3/17	1330	FedEx #8121 9377 9730		USACE Navy	
3				4		State Samples Collected In NY NJ PA NC	
5				6		Sample Disposal Lab Special	
7				8		Reportable to PADEP? Yes PWSID # EDDS: Format Type	
9				10			

APPENDIX R-10

Groundwater Analytical Data Sheets

December 2017 Groundwater Sampling Activities

December 18, 2017

Mr. Marty Gilgallon
LaBella-Dunmore
1000 Dunham Drive
Suite B
Scranton, PA 18512

Certificate of Analysis

Project Name: 2171845/Pump-n-Pantry #001	Workorder: 2281475
Purchase Order:	Workorder ID: 2171845/Pump-n-Pantry #001

Dear Mr. Gilgallon:

Enclosed are the analytical results for samples received by the laboratory on Thursday, December 7, 2017.

The ALS Environmental laboratory in Middletown, Pennsylvania is a National Environmental Laboratory Accreditation Program (NELAP) accredited laboratory and as such, certifies that all applicable test results meet the requirements of NELAP.

If you have any questions regarding this certificate of analysis, please contact Ms. Amy K Borden (Project Coordinator) at (717) 944-5541.

Analyses were performed according to our laboratory's NELAP-approved quality assurance program and any applicable state requirements. The test results meet requirements of the current NELAP standards or state requirements, where applicable. For a specific list of accredited analytes, refer to the certifications section of the ALS website at www.alsglobal.com/en/Our-Services/Life-Sciences/Environmental/Downloads.

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CC: Mr. Kevin Cucura

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Ms. Amy K Borden
Project Coordinator

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**SAMPLE SUMMARY**

Workorder: 2281475 2171845/Pump-n-Pantry #001

Lab ID	Sample ID	Matrix	Date Collected	Date Received	Collected By
2281475001	112-1204-MW1	Ground Water	12/5/2017 07:12	12/7/2017 09:56	Collected by Client
2281475002	112-1204-MW2	Ground Water	12/5/2017 10:37	12/7/2017 09:56	Collected by Client
2281475003	112-1204-MW3	Ground Water	12/5/2017 10:05	12/7/2017 09:56	Collected by Client
2281475004	112-1204-MW4	Ground Water	12/5/2017 09:31	12/7/2017 09:56	Collected by Client
2281475005	112-1204-MW5	Ground Water	12/5/2017 08:51	12/7/2017 09:56	Collected by Client
2281475006	112-1204-MW6	Ground Water	12/5/2017 08:02	12/7/2017 09:56	Collected by Client
2281475007	112-1204-MW7	Ground Water	12/4/2017 09:34	12/7/2017 09:56	Collected by Client
2281475008	112-1204-MW8	Ground Water	12/4/2017 11:21	12/7/2017 09:56	Collected by Client
2281475009	112-1204-MW9	Ground Water	12/4/2017 11:33	12/7/2017 09:56	Collected by Client
2281475010	112-1204-MW10	Ground Water	12/4/2017 12:41	12/7/2017 09:56	Collected by Client
2281475011	112-1204-MW15	Ground Water	12/5/2017 11:26	12/7/2017 09:56	Collected by Client
2281475012	112-1204-FB1	Ground Water	12/5/2017 16:15	12/7/2017 09:56	Collected by Client

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Vancouver Waterloo · Winnipeg · Yellowknife United States: Cincinnati · Everett · Fort Collins · Holland · Houston · Middletown · Salt Lake City · Spring City · York Mexico: Monterrey

SAMPLE SUMMARY

Workorder: 2281475 2171845/Pump-n-Pantry #001

Notes

- Samples collected by ALS personnel are done so in accordance with the procedures set forth in the ALS Field Sampling Plan (20 - Field Services Sampling Plan).
- All Waste Water analyses comply with methodology requirements of 40 CFR Part 136.
- All Drinking Water analyses comply with methodology requirements of 40 CFR Part 141.
- Unless otherwise noted, all quantitative results for soils are reported on a dry weight basis.
- The Chain of Custody document is included as part of this report.
- All Library Search analytes should be regarded as tentative identifications based on the presumptive evidence of the mass spectra. Concentrations reported are estimated values.
- Parameters identified as "analyze immediately" require analysis within 15 minutes of collection. Any "analyze immediately" parameters not listed under the header "Field Parameters" are performed in the laboratory and are therefore analyzed out of hold time.
- Method references listed on this report beginning with the prefix "S" followed by a method number (such as S2310B-97) refer to methods from "Standard Methods for the Examination of Water and Wastewater".
- For microbiological analyses, the "Prepared" value is the date/time into the incubator and the "Analyzed" value is the date/time out the incubator.

Standard Acronyms/Flags

J	Indicates an estimated value between the Method Detection Limit (MDL) and the Practical Quantitation Limit (PQL) for the analyte
U	Indicates that the analyte was Not Detected (ND)
N	Indicates presumptive evidence of the presence of a compound
MDL	Method Detection Limit
PQL	Practical Quantitation Limit
RDL	Reporting Detection Limit
ND	Not Detected - indicates that the analyte was Not Detected at the RDL
Cntr	Analysis was performed using this container
RegLmt	Regulatory Limit
LCS	Laboratory Control Sample
MS	Matrix Spike
MSD	Matrix Spike Duplicate
DUP	Sample Duplicate
%Rec	Percent Recovery
RPD	Relative Percent Difference
LOD	DoD Limit of Detection
LOQ	DoD Limit of Quantitation
DL	DoD Detection Limit
I	Indicates reported value is greater than or equal to the Method Detection Limit (MDL) but less than the Report Detection Limit (RDL)
(S)	Surrogate Compound
NC	Not Calculated
*	Result outside of QC limits

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PROJECT SUMMARY

Workorder: 2281475 2171845/Pump-n-Pantry #001

Sample Comments

Lab ID: 2281475002 **Sample ID:** 112-1204-MW2 **Sample Type:** SAMPLE

The GCMS volatiles analysis was performed at a dilution due to the level of target compounds.

Lab ID: 2281475004 **Sample ID:** 112-1204-MW4 **Sample Type:** SAMPLE

The GCMS volatiles analysis was performed at a dilution due to the level of target compounds.

Lab ID: 2281475005 **Sample ID:** 112-1204-MW5 **Sample Type:** SAMPLE

The GCMS volatiles analysis was performed at a dilution due to the level of target compounds.

Lab ID: 2281475011 **Sample ID:** 112-1204-MW15 **Sample Type:** SAMPLE

The GCMS volatiles analysis was performed at a dilution due to the level of target compounds.

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ANALYTICAL RESULTS

Workorder: 2281475 2171845/Pump-n-Pantry #001

Lab ID: **2281475001**
Sample ID: **112-1204-MW1**

Date Collected: 12/5/2017 07:12 Matrix: Ground Water
Date Received: 12/7/2017 09:56

Parameters	Results	Flag	Units	RDL	Method	Prepared	By	Analyzed	By	Cntr
VOLATILE ORGANICS										
Benzene	ND		ug/L	1.0	SW846 8260B			12/14/17 16:23	TMP	A
Ethylbenzene	ND		ug/L	1.0	SW846 8260B			12/14/17 16:23	TMP	A
Isopropylbenzene	ND		ug/L	1.0	SW846 8260B			12/14/17 16:23	TMP	A
Methyl t-Butyl Ether	ND		ug/L	1.0	SW846 8260B			12/14/17 16:23	TMP	A
Naphthalene	ND		ug/L	2.0	SW846 8260B			12/14/17 16:23	TMP	A
Toluene	ND		ug/L	1.0	SW846 8260B			12/14/17 16:23	TMP	A
Total Xylenes	ND		ug/L	3.0	SW846 8260B			12/14/17 16:23	TMP	A
1,2,4-Trimethylbenzene	ND		ug/L	1.0	SW846 8260B			12/14/17 16:23	TMP	A
1,3,5-Trimethylbenzene	ND		ug/L	1.0	SW846 8260B			12/14/17 16:23	TMP	A
<i>Surrogate Recoveries</i>	<i>Results</i>	<i>Flag</i>	<i>Units</i>	<i>Limits</i>	<i>Method</i>	<i>Prepared</i>	<i>By</i>	<i>Analyzed</i>	<i>By</i>	<i>Cntr</i>
1,2-Dichloroethane-d4 (S)	122		%	62 - 133	SW846 8260B			12/14/17 16:23	TMP	A
4-Bromofluorobenzene (S)	99.2		%	79 - 114	SW846 8260B			12/14/17 16:23	TMP	A
Dibromofluoromethane (S)	96.4		%	78 - 116	SW846 8260B			12/14/17 16:23	TMP	A
Toluene-d8 (S)	93.9		%	76 - 127	SW846 8260B			12/14/17 16:23	TMP	A



Ms. Amy K Borden
Project Coordinator

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ANALYTICAL RESULTS

Workorder: 2281475 2171845/Pump-n-Pantry #001

Lab ID: **2281475002**
Sample ID: **112-1204-MW2**

Date Collected: 12/5/2017 10:37 Matrix: Ground Water
Date Received: 12/7/2017 09:56

Parameters	Results	Flag	Units	RDL	Method	Prepared	By	Analyzed	By	Cntr
VOLATILE ORGANICS										
Benzene	756		ug/L	5.0	SW846 8260B			12/14/17 18:13	TMP	A
Ethylbenzene	543		ug/L	5.0	SW846 8260B			12/14/17 18:13	TMP	A
Isopropylbenzene	25.7		ug/L	5.0	SW846 8260B			12/14/17 18:13	TMP	A
Methyl t-Butyl Ether	8.3		ug/L	5.0	SW846 8260B			12/14/17 18:13	TMP	A
Naphthalene	52.6		ug/L	10.0	SW846 8260B			12/14/17 18:13	TMP	A
Toluene	248		ug/L	5.0	SW846 8260B			12/14/17 18:13	TMP	A
Total Xylenes	389		ug/L	15.0	SW846 8260B			12/14/17 18:13	TMP	A
1,2,4-Trimethylbenzene	324		ug/L	5.0	SW846 8260B			12/14/17 18:13	TMP	A
1,3,5-Trimethylbenzene	ND		ug/L	5.0	SW846 8260B			12/14/17 18:13	TMP	A
<i>Surrogate Recoveries</i>	<i>Results</i>	<i>Flag</i>	<i>Units</i>	<i>Limits</i>	<i>Method</i>	<i>Prepared</i>	<i>By</i>	<i>Analyzed</i>	<i>By</i>	<i>Cntr</i>
1,2-Dichloroethane-d4 (S)	117		%	62 - 133	SW846 8260B			12/14/17 18:13	TMP	A
4-Bromofluorobenzene (S)	101		%	79 - 114	SW846 8260B			12/14/17 18:13	TMP	A
Dibromofluoromethane (S)	96		%	78 - 116	SW846 8260B			12/14/17 18:13	TMP	A
Toluene-d8 (S)	93.8		%	76 - 127	SW846 8260B			12/14/17 18:13	TMP	A

Ms. Amy K Borden
Project Coordinator

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ANALYTICAL RESULTS

Workorder: 2281475 2171845/Pump-n-Pantry #001

Lab ID: **2281475003**
Sample ID: **112-1204-MW3**

Date Collected: 12/5/2017 10:05 Matrix: Ground Water
Date Received: 12/7/2017 09:56

Parameters	Results	Flag	Units	RDL	Method	Prepared	By	Analyzed	By	Cntr
VOLATILE ORGANICS										
Benzene	45.2		ug/L	1.0	SW846 8260B			12/14/17 16:46	TMP	A
Ethylbenzene	73.6		ug/L	1.0	SW846 8260B			12/14/17 16:46	TMP	A
Isopropylbenzene	13.3		ug/L	1.0	SW846 8260B			12/14/17 16:46	TMP	A
Methyl t-Butyl Ether	ND		ug/L	1.0	SW846 8260B			12/14/17 16:46	TMP	A
Naphthalene	ND		ug/L	2.0	SW846 8260B			12/14/17 16:46	TMP	A
Toluene	ND		ug/L	1.0	SW846 8260B			12/14/17 16:46	TMP	A
Total Xylenes	ND		ug/L	3.0	SW846 8260B			12/14/17 16:46	TMP	A
1,2,4-Trimethylbenzene	ND		ug/L	1.0	SW846 8260B			12/14/17 16:46	TMP	A
1,3,5-Trimethylbenzene	ND		ug/L	1.0	SW846 8260B			12/14/17 16:46	TMP	A
<i>Surrogate Recoveries</i>	<i>Results</i>	<i>Flag</i>	<i>Units</i>	<i>Limits</i>	<i>Method</i>	<i>Prepared</i>	<i>By</i>	<i>Analyzed</i>	<i>By</i>	<i>Cntr</i>
1,2-Dichloroethane-d4 (S)	119		%	62 - 133	SW846 8260B			12/14/17 16:46	TMP	A
4-Bromofluorobenzene (S)	102		%	79 - 114	SW846 8260B			12/14/17 16:46	TMP	A
Dibromofluoromethane (S)	96.1		%	78 - 116	SW846 8260B			12/14/17 16:46	TMP	A
Toluene-d8 (S)	95.8		%	76 - 127	SW846 8260B			12/14/17 16:46	TMP	A



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ANALYTICAL RESULTS

Workorder: 2281475 2171845/Pump-n-Pantry #001

Lab ID: **2281475004**
Sample ID: **112-1204-MW4**

Date Collected: 12/5/2017 09:31 Matrix: Ground Water
Date Received: 12/7/2017 09:56

Parameters	Results	Flag	Units	RDL	Method	Prepared	By	Analyzed	By	Cntr
VOLATILE ORGANICS										
Benzene	324		ug/L	5.0	SW846 8260B			12/14/17 18:35	TMP	A
Ethylbenzene	180		ug/L	5.0	SW846 8260B			12/14/17 18:35	TMP	A
Isopropylbenzene	23.8		ug/L	5.0	SW846 8260B			12/14/17 18:35	TMP	A
Methyl t-Butyl Ether	ND		ug/L	5.0	SW846 8260B			12/14/17 18:35	TMP	A
Naphthalene	22.8		ug/L	10.0	SW846 8260B			12/14/17 18:35	TMP	A
Toluene	26.8		ug/L	5.0	SW846 8260B			12/14/17 18:35	TMP	A
Total Xylenes	74.7		ug/L	15.0	SW846 8260B			12/14/17 18:35	TMP	A
1,2,4-Trimethylbenzene	25.5		ug/L	5.0	SW846 8260B			12/14/17 18:35	TMP	A
1,3,5-Trimethylbenzene	ND		ug/L	5.0	SW846 8260B			12/14/17 18:35	TMP	A
<i>Surrogate Recoveries</i>	<i>Results</i>	<i>Flag</i>	<i>Units</i>	<i>Limits</i>	<i>Method</i>	<i>Prepared</i>	<i>By</i>	<i>Analyzed</i>	<i>By</i>	<i>Cntr</i>
1,2-Dichloroethane-d4 (S)	119		%	62 - 133	SW846 8260B			12/14/17 18:35	TMP	A
4-Bromofluorobenzene (S)	104		%	79 - 114	SW846 8260B			12/14/17 18:35	TMP	A
Dibromofluoromethane (S)	95.7		%	78 - 116	SW846 8260B			12/14/17 18:35	TMP	A
Toluene-d8 (S)	96.4		%	76 - 127	SW846 8260B			12/14/17 18:35	TMP	A

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ANALYTICAL RESULTS

Workorder: 2281475 2171845/Pump-n-Pantry #001

Lab ID: **2281475005**
Sample ID: **112-1204-MW5**

Date Collected: 12/5/2017 08:51 Matrix: Ground Water
Date Received: 12/7/2017 09:56

Parameters	Results	Flag	Units	RDL	Method	Prepared	By	Analyzed	By	Cntr
VOLATILE ORGANICS										
Benzene	172		ug/L	5.0	SW846 8260B			12/14/17 18:57	TMP	A
Ethylbenzene	201		ug/L	5.0	SW846 8260B			12/14/17 18:57	TMP	A
Isopropylbenzene	26.5		ug/L	5.0	SW846 8260B			12/14/17 18:57	TMP	A
Methyl t-Butyl Ether	10.6		ug/L	5.0	SW846 8260B			12/14/17 18:57	TMP	A
Naphthalene	30.5		ug/L	10.0	SW846 8260B			12/14/17 18:57	TMP	A
Toluene	9.3		ug/L	5.0	SW846 8260B			12/14/17 18:57	TMP	A
Total Xylenes	21.6		ug/L	15.0	SW846 8260B			12/14/17 18:57	TMP	A
1,2,4-Trimethylbenzene	63.5		ug/L	5.0	SW846 8260B			12/14/17 18:57	TMP	A
1,3,5-Trimethylbenzene	ND		ug/L	5.0	SW846 8260B			12/14/17 18:57	TMP	A
<i>Surrogate Recoveries</i>	<i>Results</i>	<i>Flag</i>	<i>Units</i>	<i>Limits</i>	<i>Method</i>	<i>Prepared</i>	<i>By</i>	<i>Analyzed</i>	<i>By</i>	<i>Cntr</i>
1,2-Dichloroethane-d4 (S)	117		%	62 - 133	SW846 8260B			12/14/17 18:57	TMP	A
4-Bromofluorobenzene (S)	99.6		%	79 - 114	SW846 8260B			12/14/17 18:57	TMP	A
Dibromofluoromethane (S)	96.1		%	78 - 116	SW846 8260B			12/14/17 18:57	TMP	A
Toluene-d8 (S)	96		%	76 - 127	SW846 8260B			12/14/17 18:57	TMP	A



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ANALYTICAL RESULTS

Workorder: 2281475 2171845/Pump-n-Pantry #001

Lab ID: **2281475006**
Sample ID: **112-1204-MW6**

Date Collected: 12/5/2017 08:02 Matrix: Ground Water
Date Received: 12/7/2017 09:56

Parameters	Results	Flag	Units	RDL	Method	Prepared	By	Analyzed	By	Cntr
VOLATILE ORGANICS										
Benzene	ND		ug/L	1.0	SW846 8260B			12/14/17 17:07	TMP	A
Ethylbenzene	ND		ug/L	1.0	SW846 8260B			12/14/17 17:07	TMP	A
Isopropylbenzene	ND		ug/L	1.0	SW846 8260B			12/14/17 17:07	TMP	A
Methyl t-Butyl Ether	ND		ug/L	1.0	SW846 8260B			12/14/17 17:07	TMP	A
Naphthalene	ND		ug/L	2.0	SW846 8260B			12/14/17 17:07	TMP	A
Toluene	ND		ug/L	1.0	SW846 8260B			12/14/17 17:07	TMP	A
Total Xylenes	ND		ug/L	3.0	SW846 8260B			12/14/17 17:07	TMP	A
1,2,4-Trimethylbenzene	ND		ug/L	1.0	SW846 8260B			12/14/17 17:07	TMP	A
1,3,5-Trimethylbenzene	ND		ug/L	1.0	SW846 8260B			12/14/17 17:07	TMP	A
<i>Surrogate Recoveries</i>	<i>Results</i>	<i>Flag</i>	<i>Units</i>	<i>Limits</i>	<i>Method</i>	<i>Prepared</i>	<i>By</i>	<i>Analyzed</i>	<i>By</i>	<i>Cntr</i>
1,2-Dichloroethane-d4 (S)	119		%	62 - 133	SW846 8260B			12/14/17 17:07	TMP	A
4-Bromofluorobenzene (S)	102		%	79 - 114	SW846 8260B			12/14/17 17:07	TMP	A
Dibromofluoromethane (S)	96.5		%	78 - 116	SW846 8260B			12/14/17 17:07	TMP	A
Toluene-d8 (S)	95.1		%	76 - 127	SW846 8260B			12/14/17 17:07	TMP	A



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ANALYTICAL RESULTS

Workorder: 2281475 2171845/Pump-n-Pantry #001

Lab ID: **2281475007**
Sample ID: **112-1204-MW7**

Date Collected: 12/4/2017 09:34 Matrix: Ground Water
Date Received: 12/7/2017 09:56

Parameters	Results	Flag	Units	RDL	Method	Prepared	By	Analyzed	By	Cntr
VOLATILE ORGANICS										
Benzene	ND		ug/L	1.0	SW846 8260B			12/14/17 17:29	TMP	A
Ethylbenzene	ND		ug/L	1.0	SW846 8260B			12/14/17 17:29	TMP	A
Isopropylbenzene	ND		ug/L	1.0	SW846 8260B			12/14/17 17:29	TMP	A
Methyl t-Butyl Ether	ND		ug/L	1.0	SW846 8260B			12/14/17 17:29	TMP	A
Naphthalene	ND		ug/L	2.0	SW846 8260B			12/14/17 17:29	TMP	A
Toluene	ND		ug/L	1.0	SW846 8260B			12/14/17 17:29	TMP	A
Total Xylenes	ND		ug/L	3.0	SW846 8260B			12/14/17 17:29	TMP	A
1,2,4-Trimethylbenzene	ND		ug/L	1.0	SW846 8260B			12/14/17 17:29	TMP	A
1,3,5-Trimethylbenzene	ND		ug/L	1.0	SW846 8260B			12/14/17 17:29	TMP	A
<i>Surrogate Recoveries</i>	<i>Results</i>	<i>Flag</i>	<i>Units</i>	<i>Limits</i>	<i>Method</i>	<i>Prepared</i>	<i>By</i>	<i>Analyzed</i>	<i>By</i>	<i>Cntr</i>
1,2-Dichloroethane-d4 (S)	119		%	62 - 133	SW846 8260B			12/14/17 17:29	TMP	A
4-Bromofluorobenzene (S)	102		%	79 - 114	SW846 8260B			12/14/17 17:29	TMP	A
Dibromofluoromethane (S)	97.5		%	78 - 116	SW846 8260B			12/14/17 17:29	TMP	A
Toluene-d8 (S)	94.8		%	76 - 127	SW846 8260B			12/14/17 17:29	TMP	A



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ANALYTICAL RESULTS

Workorder: 2281475 2171845/Pump-n-Pantry #001

Lab ID: **2281475008**
Sample ID: **112-1204-MW8**

Date Collected: 12/4/2017 11:21 Matrix: Ground Water
Date Received: 12/7/2017 09:56

Parameters	Results	Flag	Units	RDL	Method	Prepared	By	Analyzed	By	Cntr
VOLATILE ORGANICS										
Benzene	ND		ug/L	1.0	SW846 8260B			12/14/17 17:51	TMP	A
Ethylbenzene	ND		ug/L	1.0	SW846 8260B			12/14/17 17:51	TMP	A
Isopropylbenzene	ND		ug/L	1.0	SW846 8260B			12/14/17 17:51	TMP	A
Methyl t-Butyl Ether	ND		ug/L	1.0	SW846 8260B			12/14/17 17:51	TMP	A
Naphthalene	ND		ug/L	2.0	SW846 8260B			12/14/17 17:51	TMP	A
Toluene	ND		ug/L	1.0	SW846 8260B			12/14/17 17:51	TMP	A
Total Xylenes	ND		ug/L	3.0	SW846 8260B			12/14/17 17:51	TMP	A
1,2,4-Trimethylbenzene	ND		ug/L	1.0	SW846 8260B			12/14/17 17:51	TMP	A
1,3,5-Trimethylbenzene	ND		ug/L	1.0	SW846 8260B			12/14/17 17:51	TMP	A
<i>Surrogate Recoveries</i>	<i>Results</i>	<i>Flag</i>	<i>Units</i>	<i>Limits</i>	<i>Method</i>	<i>Prepared</i>	<i>By</i>	<i>Analyzed</i>	<i>By</i>	<i>Cntr</i>
1,2-Dichloroethane-d4 (S)	119		%	62 - 133	SW846 8260B			12/14/17 17:51	TMP	A
4-Bromofluorobenzene (S)	102		%	79 - 114	SW846 8260B			12/14/17 17:51	TMP	A
Dibromofluoromethane (S)	95.7		%	78 - 116	SW846 8260B			12/14/17 17:51	TMP	A
Toluene-d8 (S)	95.3		%	76 - 127	SW846 8260B			12/14/17 17:51	TMP	A

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ANALYTICAL RESULTS

Workorder: 2281475 2171845/Pump-n-Pantry #001

Lab ID: 2281475009
Sample ID: 112-1204-MW9

Date Collected: 12/4/2017 11:33 Matrix: Ground Water
Date Received: 12/7/2017 09:56

Parameters	Results	Flag	Units	RDL	Method	Prepared	By	Analyzed	By	Cntr
VOLATILE ORGANICS										
Benzene	ND		ug/L	1.0	SW846 8260B			12/15/17 02:32	CJG	A
Ethylbenzene	ND		ug/L	1.0	SW846 8260B			12/15/17 02:32	CJG	A
Isopropylbenzene	ND		ug/L	1.0	SW846 8260B			12/15/17 02:32	CJG	A
Methyl t-Butyl Ether	ND	1	ug/L	1.0	SW846 8260B			12/15/17 02:32	CJG	A
Naphthalene	ND		ug/L	2.0	SW846 8260B			12/15/17 02:32	CJG	A
Toluene	ND	2	ug/L	1.0	SW846 8260B			12/15/17 02:32	CJG	A
Total Xylenes	ND		ug/L	3.0	SW846 8260B			12/15/17 02:32	CJG	A
1,2,4-Trimethylbenzene	ND		ug/L	1.0	SW846 8260B			12/15/17 02:32	CJG	A
1,3,5-Trimethylbenzene	ND		ug/L	1.0	SW846 8260B			12/15/17 02:32	CJG	A
<i>Surrogate Recoveries</i>	<i>Results</i>	<i>Flag</i>	<i>Units</i>	<i>Limits</i>	<i>Method</i>	<i>Prepared</i>	<i>By</i>	<i>Analyzed</i>	<i>By</i>	<i>Cntr</i>
1,2-Dichloroethane-d4 (S)	95.9		%	62 - 133	SW846 8260B			12/15/17 02:32	CJG	A
4-Bromofluorobenzene (S)	102		%	79 - 114	SW846 8260B			12/15/17 02:32	CJG	A
Dibromofluoromethane (S)	98.4		%	78 - 116	SW846 8260B			12/15/17 02:32	CJG	A
Toluene-d8 (S)	104		%	76 - 127	SW846 8260B			12/15/17 02:32	CJG	A

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ANALYTICAL RESULTS

Workorder: 2281475 2171845/Pump-n-Pantry #001

Lab ID: 2281475010
Sample ID: 112-1204-MW10

Date Collected: 12/4/2017 12:41 Matrix: Ground Water
Date Received: 12/7/2017 09:56

Parameters	Results	Flag	Units	RDL	Method	Prepared	By	Analyzed	By	Cntr
VOLATILE ORGANICS										
Benzene	ND		ug/L	1.0	SW846 8260B			12/15/17 02:50	CJG	A
Ethylbenzene	ND		ug/L	1.0	SW846 8260B			12/15/17 02:50	CJG	A
Isopropylbenzene	ND		ug/L	1.0	SW846 8260B			12/15/17 02:50	CJG	A
Methyl t-Butyl Ether	ND		ug/L	1.0	SW846 8260B			12/15/17 02:50	CJG	A
Naphthalene	ND		ug/L	2.0	SW846 8260B			12/15/17 02:50	CJG	A
Toluene	ND		ug/L	1.0	SW846 8260B			12/15/17 02:50	CJG	A
Total Xylenes	ND		ug/L	3.0	SW846 8260B			12/15/17 02:50	CJG	A
1,2,4-Trimethylbenzene	ND		ug/L	1.0	SW846 8260B			12/15/17 02:50	CJG	A
1,3,5-Trimethylbenzene	ND		ug/L	1.0	SW846 8260B			12/15/17 02:50	CJG	A
<i>Surrogate Recoveries</i>	<i>Results</i>	<i>Flag</i>	<i>Units</i>	<i>Limits</i>	<i>Method</i>	<i>Prepared</i>	<i>By</i>	<i>Analyzed</i>	<i>By</i>	<i>Cntr</i>
1,2-Dichloroethane-d4 (S)	93.7		%	62 - 133	SW846 8260B			12/15/17 02:50	CJG	A
4-Bromofluorobenzene (S)	104		%	79 - 114	SW846 8260B			12/15/17 02:50	CJG	A
Dibromofluoromethane (S)	95.6		%	78 - 116	SW846 8260B			12/15/17 02:50	CJG	A
Toluene-d8 (S)	105		%	76 - 127	SW846 8260B			12/15/17 02:50	CJG	A

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ANALYTICAL RESULTS

Workorder: 2281475 2171845/Pump-n-Pantry #001

Lab ID: 2281475011
Sample ID: 112-1204-MW15

Date Collected: 12/5/2017 11:26 Matrix: Ground Water
Date Received: 12/7/2017 09:56

Parameters	Results	Flag	Units	RDL	Method	Prepared	By	Analyzed	By	Cntr
VOLATILE ORGANICS										
Benzene	458		ug/L	5.0	SW846 8260B			12/15/17 04:03	CJG	A
Ethylbenzene	1170		ug/L	50.0	SW846 8260B			12/16/17 15:05	TMP	B
Isopropylbenzene	186		ug/L	5.0	SW846 8260B			12/15/17 04:03	CJG	A
Methyl t-Butyl Ether	ND		ug/L	5.0	SW846 8260B			12/15/17 04:03	CJG	A
Naphthalene	139		ug/L	10.0	SW846 8260B			12/15/17 04:03	CJG	A
Toluene	1730		ug/L	50.0	SW846 8260B			12/16/17 15:05	TMP	B
Total Xylenes	3150		ug/L	150	SW846 8260B			12/16/17 15:05	TMP	B
1,2,4-Trimethylbenzene	990		ug/L	50.0	SW846 8260B			12/16/17 15:05	TMP	B
1,3,5-Trimethylbenzene	157		ug/L	5.0	SW846 8260B			12/15/17 04:03	CJG	A
<i>Surrogate Recoveries</i>	<i>Results</i>	<i>Flag</i>	<i>Units</i>	<i>Limits</i>	<i>Method</i>	<i>Prepared</i>	<i>By</i>	<i>Analyzed</i>	<i>By</i>	<i>Cntr</i>
1,2-Dichloroethane-d4 (S)	88		%	62 - 133	SW846 8260B			12/15/17 04:03	CJG	A
1,2-Dichloroethane-d4 (S)	118		%	62 - 133	SW846 8260B			12/16/17 15:05	TMP	B
4-Bromofluorobenzene (S)	98.1		%	79 - 114	SW846 8260B			12/16/17 15:05	TMP	B
4-Bromofluorobenzene (S)	103		%	79 - 114	SW846 8260B			12/15/17 04:03	CJG	A
Dibromofluoromethane (S)	93.4		%	78 - 116	SW846 8260B			12/15/17 04:03	CJG	A
Dibromofluoromethane (S)	95.7		%	78 - 116	SW846 8260B			12/16/17 15:05	TMP	B
Toluene-d8 (S)	104		%	76 - 127	SW846 8260B			12/15/17 04:03	CJG	A
Toluene-d8 (S)	94.6		%	76 - 127	SW846 8260B			12/16/17 15:05	TMP	B

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ANALYTICAL RESULTS

Workorder: 2281475 2171845/Pump-n-Pantry #001

Lab ID: **2281475012**
Sample ID: **112-1204-FB1**

Date Collected: 12/5/2017 16:15 Matrix: Ground Water
Date Received: 12/7/2017 09:56

Parameters	Results	Flag	Units	RDL	Method	Prepared	By	Analyzed	By	Cntr
VOLATILE ORGANICS										
Benzene	ND		ug/L	1.0	SW846 8260B			12/15/17 01:19	CJG	A
Ethylbenzene	ND		ug/L	1.0	SW846 8260B			12/15/17 01:19	CJG	A
Isopropylbenzene	ND		ug/L	1.0	SW846 8260B			12/15/17 01:19	CJG	A
Methyl t-Butyl Ether	ND		ug/L	1.0	SW846 8260B			12/15/17 01:19	CJG	A
Naphthalene	ND		ug/L	2.0	SW846 8260B			12/15/17 01:19	CJG	A
Toluene	ND		ug/L	1.0	SW846 8260B			12/15/17 01:19	CJG	A
Total Xylenes	ND		ug/L	3.0	SW846 8260B			12/15/17 01:19	CJG	A
1,2,4-Trimethylbenzene	ND		ug/L	1.0	SW846 8260B			12/15/17 01:19	CJG	A
1,3,5-Trimethylbenzene	ND		ug/L	1.0	SW846 8260B			12/15/17 01:19	CJG	A
<i>Surrogate Recoveries</i>	<i>Results</i>	<i>Flag</i>	<i>Units</i>	<i>Limits</i>	<i>Method</i>	<i>Prepared</i>	<i>By</i>	<i>Analyzed</i>	<i>By</i>	<i>Cntr</i>
1,2-Dichloroethane-d4 (S)	90.2		%	62 - 133	SW846 8260B			12/15/17 01:19	CJG	A
4-Bromofluorobenzene (S)	104		%	79 - 114	SW846 8260B			12/15/17 01:19	CJG	A
Dibromofluoromethane (S)	95.3		%	78 - 116	SW846 8260B			12/15/17 01:19	CJG	A
Toluene-d8 (S)	104		%	76 - 127	SW846 8260B			12/15/17 01:19	CJG	A

Ms. Amy K Borden
Project Coordinator

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**ANALYTICAL RESULTS**

Workorder: 2281475 2171845/Pump-n-Pantry #001

PARAMETER QUALIFIERS

Lab ID	#	Sample ID	Analytical Method	Analyte
2281475009	1	112-1204-MW9	SW846 8260B	Methyl t-Butyl Ether
The QC sample type MSD for method SW846 8260B was outside the control limits for the analyte Methyl t-Butyl Ether. The RPD was reported as 26 and the upper control limit is 20.				
2281475009	2	112-1204-MW9	SW846 8260B	Toluene
The QC sample type MS for method SW846 8260B was outside the control limits for the analyte Toluene. The % Recovery was reported as 129 and the control limits were 80 to 125.				

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34 Dogwood Lane
Middletown, PA 17057
P. 717-944-5541
F. 717-944-1430

Environmental

CHAIN OF CUSTODY/ REQUEST FOR ANALYSIS

ALL SHADED AREAS MUST BE COMPLETED BY THE CLIENT /
SAMPLER. INSTRUCTIONS ON THE BACK.

CO
AL

1 of 2



Client Name: LaBella Associates, P.C.		Container Type	CG	Receipt Information (complete by receiving Lab)	
Address: 1000 Dunham Drive, Suite B		Container Size	40 ml	Cooler Temp: 41	Therm ID: 4102
Contact: Martin Gilgallon		Preservative	HCL	No. of Coolers:	Y N Initial
Phone#: (570) 487-1959		ANALYSIS/METHOD REQUESTED			
Project Name#: 2171845/Pump-n-Paniry #001					
Bill To: Lynn Hanichak					
TAT ☒ Normal-Standard TAT is 10-12 business days. ☐ Rush-Subject to ALS approval and surcharges.					
Date Required: _____ Approved By: _____		Matrix		Custody Seals Present? ☒	
Email? ☒ Y ☐ N mgilgallon@labellapc.com		G or C		(if present) Seals Intact? ☒	
Fax? ☐ Y ☐ N		Sample Description/Location (as it will appear on the lab report)		Received on Ice? ☒	
		Sample Date		COCLabels Complete/Accurate? ☒	
1 112-1204-MW1		12/5/17 0712		Cent. In Good Cond.? ☒	
2 112-1204-MW2		12/5/17 1037		Correct Containers? ☒	
3 112-1204-MW3		12/5/17 1005		Correct Sample Volumes? ☒	
4 112-1204-MW4		12/5/17 0931		Correct Preservation? ☒	
5 112-1204-MW5		12/5/17 0851		Headspace/Volatiles? ☒	
6 112-1204-MW6		12/5/17 0802		Courier/Tracking #: 8121 9377 9866	
7 112-1204-MW7		12/4/17 0934		Sample/COC Comments	
8 112-1204-MW8		12/4/17 1121			
9 112-1204-MW9		12/4/17 1133			
10 112-1204-MW10		12/4/17 1241			
Project Comments: FedEx #8121 9377 9866		LOGGED BY (signature):		ALS Field Services: ☐ Pickup ☐ Labor ☐ Composite Sampling ☐ Rental Equipment ☐ Other: _____	
REVIEWED BY (signature):		Date		Special Processing	
Date		Time		USACE ☐ Navy ☐	
Received By / Company Name		Date		State Samples Collected In	
1 Chris Yocum / LaBella		12/6/17 0730		USACE ☐ NY ☐	
3		12/7 0950		Navy ☐ NJ ☐	
5				Sample Disposal	
7				Lab ☐ PA ☒	
9				Special ☐ NC ☐	
Reportable to PADEP?		Yes ☐		PWSID #	
EDDS: Format Type		10			



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COC #: 1475
ALS Quote #: 2 of 2

Client Name: LaBella Associates, P.C.		Container Type: CG	Receipt Information (completed by Receiving Lab)	
Address: 1000 Dunham Drive, Suite B		Container Size: 40 ml	Cooler Temp: 41	Therm ID: 4102
Dunmore, PA 18512		Preservative: HCL	No. of Coolers: Y N	Initial: QNW
Contact: Martin Gillingall		Custody Seals Present? ☒ (if present) Seals Intact? ☒		
Phone#: (570) 487-1959		Received on Ice? ☒		
Project Name#: 2171845/Pump-n-Pantry #001		COC Labels Complete/Accurate? ☒		
Bill To: Lynn Henrichak		Cont. in Good Cond.? ☒		
TAT ☒ Normal-Standard TAT is 10-12 business days.		Correct Containers? ☒		
Date Required: _____ Approved By: _____		Correct Sample Volumes? ☒		
Email? ☒ Y ☒ N mgilgallon@labellapc.com		Correct Preservation? ☒		
Fax? ☒ Y ☒ N		Headspace Volatiles? ☒		
Sample Description/Location (as it will appear on the lab report)		Headspace Volatiles? ☒		
Sample Date		Sample COC Comments		
1 112-1204-MW15		Enter Number of Containers Per Sample or Field Results Below.		
2 112-1204-FB1		Unleaded Gasoline		
3		Matrix		
4		G or C		
5		G		
6		GW		
7		DI		
8		2		
9		2		
10		2		
Project Comments: FedEx #6121 9377 9866		ALS Field Services: ☐ Pickup ☐ Labor ☐ Composite Sampling ☐ Rental Equipment ☐ Other: _____		
Relinquished By / Company Name		Special Processing		State Samples Collected In
Date		USACE ☐ Navy ☐ NY ☐ NJ ☐ PA ☒ NC ☐		
Time		USACE ☐ Navy ☐ NY ☐ NJ ☐ PA ☒ NC ☐		
Received By / Company Name		Reportable to PADEP? ☐ Yes ☐ No		Sample Disposal Lab ☐ Special ☐
Date		PWSID #		
Time		EDDS: Format Type-		
12/17/17 0730		10		
12/17/17 0730		4		
12/17/17 0730		6		
12/17/17 0730		8		
12/17/17 0730		10		
12/17/17 0730		12		
12/17/17 0730		14		
12/17/17 0730		16		
12/17/17 0730		18		
12/17/17 0730		20		
12/17/17 0730		22		
12/17/17 0730		24		
12/17/17 0730		26		
12/17/17 0730		28		
12/17/17 0730		30		
12/17/17 0730		32		
12/17/17 0730		34		
12/17/17 0730		36		
12/17/17 0730		38		
12/17/17 0730		40		
12/17/17 0730		42		
12/17/17 0730		44		
12/17/17 0730		46		
12/17/17 0730		48		
12/17/17 0730		50		
12/17/17 0730		52		
12/17/17 0730		54		
12/17/17 0730		56		
12/17/17 0730		58		
12/17/17 0730		60		
12/17/17 0730		62		
12/17/17 0730		64		
12/17/17 0730		66		
12/17/17 0730		68		
12/17/17 0730		70		
12/17/17 0730		72		
12/17/17 0730		74		
12/17/17 0730		76		
12/17/17 0730		78		
12/17/17 0730		80		
12/17/17 0730		82		
12/17/17 0730		84		
12/17/17 0730		86		
12/17/17 0730		88		
12/17/17 0730		90		
12/17/17 0730		92		
12/17/17 0730		94		
12/17/17 0730		96		
12/17/17 0730		98		
12/17/17 0730		100		



December 15, 2017

Mr. Marty Gilgallon
LaBella-Dunmore
1000 Dunham Drive
Suite B
Scranton, PA 18512

Certificate of Analysis

Project Name: 2171845/Pump-n-Pantry #001	Workorder: 2281477
Purchase Order:	Workorder ID: 2171845/Pump-n-Pantry #001

Dear Mr. Gilgallon:

Enclosed are the analytical results for samples received by the laboratory on Thursday, December 7, 2017.

The ALS Environmental laboratory in Middletown, Pennsylvania is a National Environmental Laboratory Accreditation Program (NELAP) accredited laboratory and as such, certifies that all applicable test results meet the requirements of NELAP.

If you have any questions regarding this certificate of analysis, please contact Ms. Amy K Borden (Project Coordinator) at (717) 944-5541.

Analyses were performed according to our laboratory's NELAP-approved quality assurance program and any applicable state requirements. The test results meet requirements of the current NELAP standards or state requirements, where applicable. For a specific list of accredited analytes, refer to the certifications section of the ALS website at www.alsglobal.com/en/Our-Services/Life-Sciences/Environmental/Downloads.

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ALS Spring City: 10 Riverside Drive, Spring City, PA 19475 610-948-4903

CC: Mr. Kevin Cucura

This page is included as part of the Analytical Report and must be retained as a permanent record thereof.

Ms. Amy K Borden
Project Coordinator

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**SAMPLE SUMMARY**

Workorder: 2281477 2171845/Pump-n-Pantry #001

Lab ID	Sample ID	Matrix	Date Collected	Date Received	Collected By
2281477001	112-1204-OW1	Ground Water	12/4/2017 12:38	12/7/2017 09:56	Collected by Client
2281477002	112-1204-OW2	Ground Water	12/4/2017 13:17	12/7/2017 09:56	Collected by Client

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SAMPLE SUMMARY

Workorder: 2281477 2171845/Pump-n-Pantry #001

Notes

- Samples collected by ALS personnel are done so in accordance with the procedures set forth in the ALS Field Sampling Plan (20 - Field Services Sampling Plan).
- All Waste Water analyses comply with methodology requirements of 40 CFR Part 136.
- All Drinking Water analyses comply with methodology requirements of 40 CFR Part 141.
- Unless otherwise noted, all quantitative results for soils are reported on a dry weight basis.
- The Chain of Custody document is included as part of this report.
- All Library Search analytes should be regarded as tentative identifications based on the presumptive evidence of the mass spectra. Concentrations reported are estimated values.
- Parameters identified as "analyze immediately" require analysis within 15 minutes of collection. Any "analyze immediately" parameters not listed under the header "Field Parameters" are performed in the laboratory and are therefore analyzed out of hold time.
- Method references listed on this report beginning with the prefix "S" followed by a method number (such as S2310B-97) refer to methods from "Standard Methods for the Examination of Water and Wastewater".
- For microbiological analyses, the "Prepared" value is the date/time into the incubator and the "Analyzed" value is the date/time out the incubator.

Standard Acronyms/Flags

J	Indicates an estimated value between the Method Detection Limit (MDL) and the Practical Quantitation Limit (PQL) for the analyte
U	Indicates that the analyte was Not Detected (ND)
N	Indicates presumptive evidence of the presence of a compound
MDL	Method Detection Limit
PQL	Practical Quantitation Limit
RDL	Reporting Detection Limit
ND	Not Detected - indicates that the analyte was Not Detected at the RDL
Cntr	Analysis was performed using this container
RegLmt	Regulatory Limit
LCS	Laboratory Control Sample
MS	Matrix Spike
MSD	Matrix Spike Duplicate
DUP	Sample Duplicate
%Rec	Percent Recovery
RPD	Relative Percent Difference
LOD	DoD Limit of Detection
LOQ	DoD Limit of Quantitation
DL	DoD Detection Limit
I	Indicates reported value is greater than or equal to the Method Detection Limit (MDL) but less than the Report Detection Limit (RDL)
(S)	Surrogate Compound
NC	Not Calculated
*	Result outside of QC limits

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**ANALYTICAL RESULTS**

Workorder: 2281477 2171845/Pump-n-Pantry #001

Lab ID: **2281477001**
Sample ID: **112-1204-OW1**Date Collected: 12/4/2017 12:38 Matrix: Ground Water
Date Received: 12/7/2017 09:56

Parameters	Results	Flag	Units	RDL	Method	Prepared	By	Analyzed	By	Cntr
VOLATILE ORGANICS										
Benzene	ND		ug/L	1.0	SW846 8260B			12/15/17 05:34	CJG	A
Ethylbenzene	ND		ug/L	1.0	SW846 8260B			12/15/17 05:34	CJG	A
Isopropylbenzene	ND		ug/L	1.0	SW846 8260B			12/15/17 05:34	CJG	A
Methyl t-Butyl Ether	ND		ug/L	1.0	SW846 8260B			12/15/17 05:34	CJG	A
Naphthalene	ND		ug/L	2.0	SW846 8260B			12/15/17 05:34	CJG	A
Toluene	ND		ug/L	1.0	SW846 8260B			12/15/17 05:34	CJG	A
Total Xylenes	ND		ug/L	3.0	SW846 8260B			12/15/17 05:34	CJG	A
1,2,4-Trimethylbenzene	ND		ug/L	1.0	SW846 8260B			12/15/17 05:34	CJG	A
1,3,5-Trimethylbenzene	ND		ug/L	1.0	SW846 8260B			12/15/17 05:34	CJG	A
<i>Surrogate Recoveries</i>	<i>Results</i>	<i>Flag</i>	<i>Units</i>	<i>Limits</i>	<i>Method</i>	<i>Prepared</i>	<i>By</i>	<i>Analyzed</i>	<i>By</i>	<i>Cntr</i>
1,2-Dichloroethane-d4 (S)	92		%	62 - 133	SW846 8260B			12/15/17 05:34	CJG	A
4-Bromofluorobenzene (S)	107		%	79 - 114	SW846 8260B			12/15/17 05:34	CJG	A
Dibromofluoromethane (S)	94.6		%	78 - 116	SW846 8260B			12/15/17 05:34	CJG	A
Toluene-d8 (S)	103		%	76 - 127	SW846 8260B			12/15/17 05:34	CJG	A

Ms. Amy K Borden
Project Coordinator**ALS Environmental Laboratory Locations Across North America**Canada: Burlington · Calgary · Centre of Excellence · Edmonton · Fort McMurray · Fort St. John · Grande Prairie · London · Mississauga · Richmond Hill · Saskatoon · Thunder Bay
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ANALYTICAL RESULTS

Workorder: 2281477 2171845/Pump-n-Pantry #001

Lab ID: 2281477002
Sample ID: 112-1204-OW2

Date Collected: 12/4/2017 13:17 Matrix: Ground Water
Date Received: 12/7/2017 09:56

Parameters	Results	Flag	Units	RDL	Method	Prepared	By	Analyzed	By	Cntr
VOLATILE ORGANICS										
Benzene	ND		ug/L	1.0	SW846 8260B			12/15/17 05:52	CJG	A
Ethylbenzene	ND		ug/L	1.0	SW846 8260B			12/15/17 05:52	CJG	A
Isopropylbenzene	ND		ug/L	1.0	SW846 8260B			12/15/17 05:52	CJG	A
Methyl t-Butyl Ether	ND		ug/L	1.0	SW846 8260B			12/15/17 05:52	CJG	A
Naphthalene	ND		ug/L	2.0	SW846 8260B			12/15/17 05:52	CJG	A
Toluene	ND		ug/L	1.0	SW846 8260B			12/15/17 05:52	CJG	A
Total Xylenes	ND		ug/L	3.0	SW846 8260B			12/15/17 05:52	CJG	A
1,2,4-Trimethylbenzene	ND		ug/L	1.0	SW846 8260B			12/15/17 05:52	CJG	A
1,3,5-Trimethylbenzene	ND		ug/L	1.0	SW846 8260B			12/15/17 05:52	CJG	A
<i>Surrogate Recoveries</i>	<i>Results</i>	<i>Flag</i>	<i>Units</i>	<i>Limits</i>	<i>Method</i>	<i>Prepared</i>	<i>By</i>	<i>Analyzed</i>	<i>By</i>	<i>Cntr</i>
1,2-Dichloroethane-d4 (S)	91.8		%	62 - 133	SW846 8260B			12/15/17 05:52	CJG	A
4-Bromofluorobenzene (S)	104		%	79 - 114	SW846 8260B			12/15/17 05:52	CJG	A
Dibromofluoromethane (S)	94.4		%	78 - 116	SW846 8260B			12/15/17 05:52	CJG	A
Toluene-d8 (S)	104		%	76 - 127	SW846 8260B			12/15/17 05:52	CJG	A

Ms. Amy K Borden
Project Coordinator

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**CHAIN OF CUSTODY/
REQUEST FOR ANALYSIS**



1 of 1

Client Name: LaBella Associates, P.C.		Cooler Type		CG			Receipt Information (completed by Receiving Lab)	
Address: 1000 Dunham Drive, Suite B		Container Size		40 mil			Cooler Temp: 61	
Dunmore, PA 18512		Preservative		HCL			Therm ID: 462	
Contact: Martin Gilgallon		ANALYSES/METHOD REQUESTED						
Phone#: (570) 487-1959								
Project Name#: 2171845/Pump-n-Pantry #001								
Bill To: Lynn Hanichak								
TAT ☒ Normal-Standard TAT is 10-12 business days.								
Date Required: Rush-Subject to ALS approval and surcharges.								
Email? Y-Y mgilgallon@labellapc.com								
Fax? Y No.								
Sample Description/Location (as it will appear on the lab report)		Sample Date	Time					
1 112-1204-OW1		12/4/17	1238	G	GW	2		
2 112-1204-OW2		12/4/17	1317	G	GW	2		
3								
4								
5								
6								
7								
8								
9								
10								
Project Comments: FedEx #8121 9377 9866		LOGGED BY (signature):						
Relinquished By / Company Name		Date	Time	Received By / Company Name		Date	Time	
1 Chris Scimone / Labella		12/17/17	0730	FedEx #8121 9377 9866		12/17/17	1400	
3				4		12/17	0950	
5				6				
7				8				
9				10				
Matrix - ALS=Air, DME=Drinking Water, GME=Groundwater, O=Oil, OI=Other Liquid, SI=Sludges, SO=Soil, WPA=Mine, WAW=Wastewater		Matrix - C=Composite		Matrix - G=Grub, C=Composite		Matrix - G=Grub, C=Composite		



December 17, 2017

Mr. Marty Gilgallon
LaBella-Dunmore
1000 Dunham Drive
Suite B
Scranton, PA 18512

Certificate of Analysis

Project Name: 2171845/Pump-n-Pantry #001	Workorder: 2281476
Purchase Order:	Workorder ID: 2171845/Pump-n-Pantry #001

Dear Mr. Gilgallon:

Enclosed are the analytical results for samples received by the laboratory on Thursday, December 7, 2017.

The ALS Environmental laboratory in Middletown, Pennsylvania is a National Environmental Laboratory Accreditation Program (NELAP) accredited laboratory and as such, certifies that all applicable test results meet the requirements of NELAP.

If you have any questions regarding this certificate of analysis, please contact Ms. Amy K Borden (Project Coordinator) at (717) 944-5541.

Analyses were performed according to our laboratory's NELAP-approved quality assurance program and any applicable state requirements. The test results meet requirements of the current NELAP standards or state requirements, where applicable. For a specific list of accredited analytes, refer to the certifications section of the ALS website at www.alsglobal.com/en/Our-Services/Life-Sciences/Environmental/Downloads.

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CC: Mr. Kevin Cucura

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Ms. Amy K Borden
Project Coordinator

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**SAMPLE SUMMARY**

Workorder: 2281476 2171845/Pump-n-Pantry #001

Lab ID	Sample ID	Matrix	Date Collected	Date Received	Collected By
2281476001	112-1204-MW11	Ground Water	12/4/2017 16:03	12/7/2017 09:56	Collected by Client
2281476002	112-1204-MW12	Ground Water	12/4/2017 13:32	12/7/2017 09:56	Collected by Client
2281476003	112-1204-MW13	Ground Water	12/4/2017 14:27	12/7/2017 09:56	Collected by Client
2281476004	112-1204-MW14	Ground Water	12/4/2017 15:14	12/7/2017 09:56	Collected by Client
2281476005	112-1204-FB2	Ground Water	12/5/2017 11:35	12/7/2017 09:56	Collected by Client

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SAMPLE SUMMARY

Workorder: 2281476 2171845/Pump-n-Pantry #001

Notes

- Samples collected by ALS personnel are done so in accordance with the procedures set forth in the ALS Field Sampling Plan (20 - Field Services Sampling Plan).
- All Waste Water analyses comply with methodology requirements of 40 CFR Part 136.
- All Drinking Water analyses comply with methodology requirements of 40 CFR Part 141.
- Unless otherwise noted, all quantitative results for soils are reported on a dry weight basis.
- The Chain of Custody document is included as part of this report.
- All Library Search analytes should be regarded as tentative identifications based on the presumptive evidence of the mass spectra. Concentrations reported are estimated values.
- Parameters identified as "analyze immediately" require analysis within 15 minutes of collection. Any "analyze immediately" parameters not listed under the header "Field Parameters" are performed in the laboratory and are therefore analyzed out of hold time.
- Method references listed on this report beginning with the prefix "S" followed by a method number (such as S2310B-97) refer to methods from "Standard Methods for the Examination of Water and Wastewater".
- For microbiological analyses, the "Prepared" value is the date/time into the incubator and the "Analyzed" value is the date/time out the incubator.

Standard Acronyms/Flags

J	Indicates an estimated value between the Method Detection Limit (MDL) and the Practical Quantitation Limit (PQL) for the analyte
U	Indicates that the analyte was Not Detected (ND)
N	Indicates presumptive evidence of the presence of a compound
MDL	Method Detection Limit
PQL	Practical Quantitation Limit
RDL	Reporting Detection Limit
ND	Not Detected - indicates that the analyte was Not Detected at the RDL
Cntr	Analysis was performed using this container
RegLmt	Regulatory Limit
LCS	Laboratory Control Sample
MS	Matrix Spike
MSD	Matrix Spike Duplicate
DUP	Sample Duplicate
%Rec	Percent Recovery
RPD	Relative Percent Difference
LOD	DoD Limit of Detection
LOQ	DoD Limit of Quantitation
DL	DoD Detection Limit
I	Indicates reported value is greater than or equal to the Method Detection Limit (MDL) but less than the Report Detection Limit (RDL)
(S)	Surrogate Compound
NC	Not Calculated
*	Result outside of QC limits

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ANALYTICAL RESULTS

Workorder: 2281476 2171845/Pump-n-Pantry #001

Lab ID: **2281476001**
Sample ID: **112-1204-MW11**

Date Collected: 12/4/2017 16:03 Matrix: Ground Water
Date Received: 12/7/2017 09:56

Parameters	Results	Flag	Units	RDL	Method	Prepared	By	Analyzed	By	Cntr
VOLATILE ORGANICS										
Benzene	ND		ug/L	1.0	SW846 8260B			12/15/17 03:08	CJG	A
Ethylbenzene	ND		ug/L	1.0	SW846 8260B			12/15/17 03:08	CJG	A
Isopropylbenzene	ND		ug/L	1.0	SW846 8260B			12/15/17 03:08	CJG	A
Methyl t-Butyl Ether	ND		ug/L	1.0	SW846 8260B			12/15/17 03:08	CJG	A
Naphthalene	ND		ug/L	2.0	SW846 8260B			12/15/17 03:08	CJG	A
Toluene	ND		ug/L	1.0	SW846 8260B			12/15/17 03:08	CJG	A
Total Xylenes	ND		ug/L	3.0	SW846 8260B			12/15/17 03:08	CJG	A
1,2,4-Trimethylbenzene	ND		ug/L	1.0	SW846 8260B			12/15/17 03:08	CJG	A
1,3,5-Trimethylbenzene	ND		ug/L	1.0	SW846 8260B			12/15/17 03:08	CJG	A
<i>Surrogate Recoveries</i>	<i>Results</i>	<i>Flag</i>	<i>Units</i>	<i>Limits</i>	<i>Method</i>	<i>Prepared</i>	<i>By</i>	<i>Analyzed</i>	<i>By</i>	<i>Cntr</i>
1,2-Dichloroethane-d4 (S)	94.4		%	62 - 133	SW846 8260B			12/15/17 03:08	CJG	A
4-Bromofluorobenzene (S)	104		%	79 - 114	SW846 8260B			12/15/17 03:08	CJG	A
Dibromofluoromethane (S)	99.2		%	78 - 116	SW846 8260B			12/15/17 03:08	CJG	A
Toluene-d8 (S)	103		%	76 - 127	SW846 8260B			12/15/17 03:08	CJG	A

Ms. Amy K Borden
Project Coordinator

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ANALYTICAL RESULTS

Workorder: 2281476 2171845/Pump-n-Pantry #001

Lab ID: **2281476002**
Sample ID: **112-1204-MW12**

Date Collected: 12/4/2017 13:32 Matrix: Ground Water
Date Received: 12/7/2017 09:56

Parameters	Results	Flag	Units	RDL	Method	Prepared	By	Analyzed	By	Cntr
VOLATILE ORGANICS										
Benzene	ND		ug/L	1.0	SW846 8260B			12/15/17 03:27	CJG	A
Ethylbenzene	ND		ug/L	1.0	SW846 8260B			12/15/17 03:27	CJG	A
Isopropylbenzene	ND		ug/L	1.0	SW846 8260B			12/15/17 03:27	CJG	A
Methyl t-Butyl Ether	ND		ug/L	1.0	SW846 8260B			12/15/17 03:27	CJG	A
Naphthalene	ND		ug/L	2.0	SW846 8260B			12/15/17 03:27	CJG	A
Toluene	ND		ug/L	1.0	SW846 8260B			12/15/17 03:27	CJG	A
Total Xylenes	ND		ug/L	3.0	SW846 8260B			12/15/17 03:27	CJG	A
1,2,4-Trimethylbenzene	ND		ug/L	1.0	SW846 8260B			12/15/17 03:27	CJG	A
1,3,5-Trimethylbenzene	ND		ug/L	1.0	SW846 8260B			12/15/17 03:27	CJG	A
<i>Surrogate Recoveries</i>	<i>Results</i>	<i>Flag</i>	<i>Units</i>	<i>Limits</i>	<i>Method</i>	<i>Prepared</i>	<i>By</i>	<i>Analyzed</i>	<i>By</i>	<i>Cntr</i>
1,2-Dichloroethane-d4 (S)	94.7		%	62 - 133	SW846 8260B			12/15/17 03:27	CJG	A
4-Bromofluorobenzene (S)	106		%	79 - 114	SW846 8260B			12/15/17 03:27	CJG	A
Dibromofluoromethane (S)	98.8		%	78 - 116	SW846 8260B			12/15/17 03:27	CJG	A
Toluene-d8 (S)	105		%	76 - 127	SW846 8260B			12/15/17 03:27	CJG	A



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ANALYTICAL RESULTS

Workorder: 2281476 2171845/Pump-n-Pantry #001

Lab ID: 2281476003
Sample ID: 112-1204-MW13

Date Collected: 12/4/2017 14:27 Matrix: Ground Water
Date Received: 12/7/2017 09:56

Parameters	Results	Flag	Units	RDL	Method	Prepared	By	Analyzed	By	Cntr
VOLATILE ORGANICS										
Benzene	ND		ug/L	1.0	SW846 8260B			12/15/17 03:45	CJG	A
Ethylbenzene	ND		ug/L	1.0	SW846 8260B			12/15/17 03:45	CJG	A
Isopropylbenzene	ND		ug/L	1.0	SW846 8260B			12/15/17 03:45	CJG	A
Methyl t-Butyl Ether	ND		ug/L	1.0	SW846 8260B			12/15/17 03:45	CJG	A
Naphthalene	ND		ug/L	2.0	SW846 8260B			12/15/17 03:45	CJG	A
Toluene	ND		ug/L	1.0	SW846 8260B			12/15/17 03:45	CJG	A
Total Xylenes	ND		ug/L	3.0	SW846 8260B			12/15/17 03:45	CJG	A
1,2,4-Trimethylbenzene	ND		ug/L	1.0	SW846 8260B			12/15/17 03:45	CJG	A
1,3,5-Trimethylbenzene	ND		ug/L	1.0	SW846 8260B			12/15/17 03:45	CJG	A
<i>Surrogate Recoveries</i>	<i>Results</i>	<i>Flag</i>	<i>Units</i>	<i>Limits</i>	<i>Method</i>	<i>Prepared</i>	<i>By</i>	<i>Analyzed</i>	<i>By</i>	<i>Cntr</i>
1,2-Dichloroethane-d4 (S)	93.1		%	62 - 133	SW846 8260B			12/15/17 03:45	CJG	A
4-Bromofluorobenzene (S)	105		%	79 - 114	SW846 8260B			12/15/17 03:45	CJG	A
Dibromofluoromethane (S)	94.5		%	78 - 116	SW846 8260B			12/15/17 03:45	CJG	A
Toluene-d8 (S)	106		%	76 - 127	SW846 8260B			12/15/17 03:45	CJG	A

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**ANALYTICAL RESULTS**

Workorder: 2281476 2171845/Pump-n-Pantry #001

Lab ID: **2281476004**
Sample ID: **112-1204-MW14**Date Collected: 12/4/2017 15:14 Matrix: Ground Water
Date Received: 12/7/2017 09:56

Parameters	Results	Flag	Units	RDL	Method	Prepared	By	Analyzed	By	Cntr
VOLATILE ORGANICS										
Benzene	ND		ug/L	1.0	SW846 8260B			12/15/17 23:31	CJG	B
Ethylbenzene	ND		ug/L	1.0	SW846 8260B			12/15/17 23:31	CJG	B
Isopropylbenzene	ND		ug/L	1.0	SW846 8260B			12/15/17 23:31	CJG	B
Methyl t-Butyl Ether	ND		ug/L	1.0	SW846 8260B			12/15/17 23:31	CJG	B
Naphthalene	ND		ug/L	2.0	SW846 8260B			12/15/17 23:31	CJG	B
Toluene	ND		ug/L	1.0	SW846 8260B			12/15/17 23:31	CJG	B
Total Xylenes	ND		ug/L	3.0	SW846 8260B			12/15/17 23:31	CJG	B
1,2,4-Trimethylbenzene	ND		ug/L	1.0	SW846 8260B			12/15/17 23:31	CJG	B
1,3,5-Trimethylbenzene	ND		ug/L	1.0	SW846 8260B			12/15/17 23:31	CJG	B
<i>Surrogate Recoveries</i>	<i>Results</i>	<i>Flag</i>	<i>Units</i>	<i>Limits</i>	<i>Method</i>	<i>Prepared</i>	<i>By</i>	<i>Analyzed</i>	<i>By</i>	<i>Cntr</i>
1,2-Dichloroethane-d4 (S)	92.4		%	62 - 133	SW846 8260B			12/15/17 23:31	CJG	B
4-Bromofluorobenzene (S)	93.1		%	79 - 114	SW846 8260B			12/15/17 23:31	CJG	B
Dibromofluoromethane (S)	87.5		%	78 - 116	SW846 8260B			12/15/17 23:31	CJG	B
Toluene-d8 (S)	86.3		%	76 - 127	SW846 8260B			12/15/17 23:31	CJG	B

Ms. Amy K Borden
Project Coordinator**ALS Environmental Laboratory Locations Across North America**Canada: Burlington · Calgary · Centre of Excellence · Edmonton · Fort McMurray · Fort St. John · Grande Prairie · London · Mississauga · Richmond Hill · Saskatoon · Thunder Bay
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ANALYTICAL RESULTS

Workorder: 2281476 2171845/Pump-n-Pantry #001

Lab ID: **2281476005**
Sample ID: **112-1204-FB2**

Date Collected: 12/5/2017 11:35 Matrix: Ground Water
Date Received: 12/7/2017 09:56

Parameters	Results	Flag	Units	RDL	Method	Prepared	By	Analyzed	By	Cntr
VOLATILE ORGANICS										
Benzene	ND		ug/L	1.0	SW846 8260B			12/15/17 01:37	CJG	A
Ethylbenzene	ND		ug/L	1.0	SW846 8260B			12/15/17 01:37	CJG	A
Isopropylbenzene	ND		ug/L	1.0	SW846 8260B			12/15/17 01:37	CJG	A
Methyl t-Butyl Ether	ND		ug/L	1.0	SW846 8260B			12/15/17 01:37	CJG	A
Naphthalene	ND		ug/L	2.0	SW846 8260B			12/15/17 01:37	CJG	A
Toluene	ND		ug/L	1.0	SW846 8260B			12/15/17 01:37	CJG	A
Total Xylenes	ND		ug/L	3.0	SW846 8260B			12/15/17 01:37	CJG	A
1,2,4-Trimethylbenzene	ND		ug/L	1.0	SW846 8260B			12/15/17 01:37	CJG	A
1,3,5-Trimethylbenzene	ND		ug/L	1.0	SW846 8260B			12/15/17 01:37	CJG	A
<i>Surrogate Recoveries</i>	<i>Results</i>	<i>Flag</i>	<i>Units</i>	<i>Limits</i>	<i>Method</i>	<i>Prepared</i>	<i>By</i>	<i>Analyzed</i>	<i>By</i>	<i>Cntr</i>
1,2-Dichloroethane-d4 (S)	96.5		%	62 - 133	SW846 8260B			12/15/17 01:37	CJG	A
4-Bromofluorobenzene (S)	104		%	79 - 114	SW846 8260B			12/15/17 01:37	CJG	A
Dibromofluoromethane (S)	98.3		%	78 - 116	SW846 8260B			12/15/17 01:37	CJG	A
Toluene-d8 (S)	105		%	76 - 127	SW846 8260B			12/15/17 01:37	CJG	A

Ms. Amy K Borden
Project Coordinator

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34 Dogwood Lane
Middletown, PA 17057
P. 717-944-5541
F. 717-944-1430

Environmental

CHAIN OF CUSTODY/ REQUEST FOR ANALYSIS

ALL SHADED AREAS MUST BE COMPLETED BY THE CLIENT /
SAMPLER. INSTRUCTIONS ON THE BACK.

CC
AL



1 of 1

Client Name: LaBella Associates, P.C.		Container Type: CG	Cooler Temp: 41 Therm ID: 402	
Address: 1000 Dunham Drive, Suite B		Container Size: 40 ml	No. of Coolers: Y N Initial	
Dunmore, PA 18512		Preservative: HCL	Custody Seals Present? ☒ (if present) Seals Intact? ☒	
Contact: Martin Gilgallon		Received on Ice? ☒		
Phone#: (570) 487-1959		COCLabels Complete/Accurate? ☒		
Project Name#: 2171845/Pump-n-Pantry #001		Cont. in Good Cond.? ☒		
Bill To: Lynn Hanichak		Correct Containers? ☒		
TAT ☒ Normal-Standard TAT is 10-12 business days.		Correct Sample Volumes? ☒		
Date Required: _____ Approved By: _____		Correct Preservation? ☒		
Email? ☒ Y ☒ N mgilgallon@labellapc.com		Headspace/Volatiles? ☒		
Fax? ☒ Y ☒ N		Courier/Tracking #: 921 9377 9866		
Sample Description/Location (as it will appear on the lab report)		Sample/COC Comments		
1 112-1204-MW11	12/4/17 1603 G GW 2	Unleaded Gasoline		
2 112-1204-MW12	12/4/17 1332 G GW 2			
3 112-1204-MW13	12/4/17 1427 G GW 2			
4 112-1204-MW14	12/4/17 1514 G GW 2			
5 112-1204-FB2	12/5/17 1135 G DI 2			
6				
7				
8				
9		ALS Field Services: ☐ Pickup ☐ Labor ☐ Composite Sampling ☐ Rental Equipment ☐ Other: _____		
10				
Project Comments: FedEx #8121 9377 9866		Special Processing: USACE ☐ Navy ☐		
Relinquished By / Company Name		State Samples Collected In: NY ☐ NJ ☐ PA ☒ NC ☐		
1 Chris Yocum / LaBella	12/6/17 0130 2 FED EX 9377 9866	Reportable to PADEP? Yes ☐ No ☒		
3		Sample Disposal: Lab ☐ Special ☐		
5		PWSID #		
7		EDDS: Format Type		
9				

* G=Grab; C=Composite **Matrix: AL=Air; DW=Drinking Water; GW=Groundwater; OL=Oil; OL=Other Liquid; SL=Sludge; SO=Soil; WP=Wipe; WW=Wastewater

ALS ENVIRONMENTAL SHIPPING ADDRESS: 34 DOGWOOD LANE, MIDDLETOWN, PA 17057

Rev 10/11

ALS

December 15, 2017

Mr. Marty Gilgallon
LaBella-Dunmore
1000 Dunham Drive
Suite B
Scranton, PA 18512

Certificate of Analysis

Project Name: 2171845/Pump-n-Pantry #001	Workorder: 2281478
Purchase Order:	Workorder ID: 2171845/Pump-n-Pantry #001

Dear Mr. Gilgallon:

Enclosed are the analytical results for samples received by the laboratory on Thursday, December 7, 2017.

The ALS Environmental laboratory in Middletown, Pennsylvania is a National Environmental Laboratory Accreditation Program (NELAP) accredited laboratory and as such, certifies that all applicable test results meet the requirements of NELAP.

If you have any questions regarding this certificate of analysis, please contact Ms. Amy K Borden (Project Coordinator) at (717) 944-5541.

Analyses were performed according to our laboratory's NELAP-approved quality assurance program and any applicable state requirements. The test results meet requirements of the current NELAP standards or state requirements, where applicable. For a specific list of accredited analytes, refer to the certifications section of the ALS website at www.alsglobal.com/en/Our-Services/Life-Sciences/Environmental/Downloads.

This laboratory report may not be reproduced, except in full, without the written approval of ALS Environmental.

ALS Spring City: 10 Riverside Drive, Spring City, PA 19475 610-948-4903

CC: Mr. Kevin Cucura

This page is included as part of the Analytical Report and must be retained as a permanent record thereof.



Ms. Amy K Borden
Project Coordinator

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**SAMPLE SUMMARY**

Workorder: 2281478 2171845/Pump-n-Pantry #001

Lab ID	Sample ID	Matrix	Date Collected	Date Received	Collected By
2281478001	112-1204-OW3	Ground Water	12/4/2017 14:18	12/7/2017 09:56	Collected by Client
2281478002	112-1204-OW4	Ground Water	12/4/2017 14:58	12/7/2017 09:56	Collected by Client

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SAMPLE SUMMARY

Workorder: 2281478 2171845/Pump-n-Pantry #001

Notes

- Samples collected by ALS personnel are done so in accordance with the procedures set forth in the ALS Field Sampling Plan (20 - Field Services Sampling Plan).
- All Waste Water analyses comply with methodology requirements of 40 CFR Part 136.
- All Drinking Water analyses comply with methodology requirements of 40 CFR Part 141.
- Unless otherwise noted, all quantitative results for soils are reported on a dry weight basis.
- The Chain of Custody document is included as part of this report.
- All Library Search analytes should be regarded as tentative identifications based on the presumptive evidence of the mass spectra. Concentrations reported are estimated values.
- Parameters identified as "analyze immediately" require analysis within 15 minutes of collection. Any "analyze immediately" parameters not listed under the header "Field Parameters" are performed in the laboratory and are therefore analyzed out of hold time.
- Method references listed on this report beginning with the prefix "S" followed by a method number (such as S2310B-97) refer to methods from "Standard Methods for the Examination of Water and Wastewater".
- For microbiological analyses, the "Prepared" value is the date/time into the incubator and the "Analyzed" value is the date/time out the incubator.

Standard Acronyms/Flags

J	Indicates an estimated value between the Method Detection Limit (MDL) and the Practical Quantitation Limit (PQL) for the analyte
U	Indicates that the analyte was Not Detected (ND)
N	Indicates presumptive evidence of the presence of a compound
MDL	Method Detection Limit
PQL	Practical Quantitation Limit
RDL	Reporting Detection Limit
ND	Not Detected - indicates that the analyte was Not Detected at the RDL
Cntr	Analysis was performed using this container
RegLmt	Regulatory Limit
LCS	Laboratory Control Sample
MS	Matrix Spike
MSD	Matrix Spike Duplicate
DUP	Sample Duplicate
%Rec	Percent Recovery
RPD	Relative Percent Difference
LOD	DoD Limit of Detection
LOQ	DoD Limit of Quantitation
DL	DoD Detection Limit
I	Indicates reported value is greater than or equal to the Method Detection Limit (MDL) but less than the Report Detection Limit (RDL)
(S)	Surrogate Compound
NC	Not Calculated
*	Result outside of QC limits

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ANALYTICAL RESULTS

Workorder: 2281478 2171845/Pump-n-Pantry #001

Lab ID: **2281478001**
Sample ID: **112-1204-OW3**

Date Collected: 12/4/2017 14:18 Matrix: Ground Water
Date Received: 12/7/2017 09:56

Parameters	Results	Flag	Units	RDL	Method	Prepared	By	Analyzed	By	Cntr
VOLATILE ORGANICS										
Benzene	ND		ug/L	1.0	SW846 8260B			12/15/17 06:10	CJG	A
Ethylbenzene	ND		ug/L	1.0	SW846 8260B			12/15/17 06:10	CJG	A
Isopropylbenzene	ND		ug/L	1.0	SW846 8260B			12/15/17 06:10	CJG	A
Methyl t-Butyl Ether	ND		ug/L	1.0	SW846 8260B			12/15/17 06:10	CJG	A
Naphthalene	ND		ug/L	2.0	SW846 8260B			12/15/17 06:10	CJG	A
Toluene	ND		ug/L	1.0	SW846 8260B			12/15/17 06:10	CJG	A
Total Xylenes	ND		ug/L	3.0	SW846 8260B			12/15/17 06:10	CJG	A
1,2,4-Trimethylbenzene	ND		ug/L	1.0	SW846 8260B			12/15/17 06:10	CJG	A
1,3,5-Trimethylbenzene	ND		ug/L	1.0	SW846 8260B			12/15/17 06:10	CJG	A
<i>Surrogate Recoveries</i>	<i>Results</i>	<i>Flag</i>	<i>Units</i>	<i>Limits</i>	<i>Method</i>	<i>Prepared</i>	<i>By</i>	<i>Analyzed</i>	<i>By</i>	<i>Cntr</i>
1,2-Dichloroethane-d4 (S)	93.6		%	62 - 133	SW846 8260B			12/15/17 06:10	CJG	A
4-Bromofluorobenzene (S)	104		%	79 - 114	SW846 8260B			12/15/17 06:10	CJG	A
Dibromofluoromethane (S)	97.1		%	78 - 116	SW846 8260B			12/15/17 06:10	CJG	A
Toluene-d8 (S)	104		%	76 - 127	SW846 8260B			12/15/17 06:10	CJG	A



Ms. Amy K Borden
Project Coordinator

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ANALYTICAL RESULTS

Workorder: 2281478 2171845/Pump-n-Pantry #001

Lab ID: **2281478002**
Sample ID: **112-1204-OW4**

Date Collected: 12/4/2017 14:58 Matrix: Ground Water
Date Received: 12/7/2017 09:56

Parameters	Results	Flag	Units	RDL	Method	Prepared	By	Analyzed	By	Cntr
VOLATILE ORGANICS										
Benzene	ND		ug/L	1.0	SW846 8260B			12/15/17 06:29	CJG	A
Ethylbenzene	ND		ug/L	1.0	SW846 8260B			12/15/17 06:29	CJG	A
Isopropylbenzene	ND		ug/L	1.0	SW846 8260B			12/15/17 06:29	CJG	A
Methyl t-Butyl Ether	ND		ug/L	1.0	SW846 8260B			12/15/17 06:29	CJG	A
Naphthalene	ND		ug/L	2.0	SW846 8260B			12/15/17 06:29	CJG	A
Toluene	ND		ug/L	1.0	SW846 8260B			12/15/17 06:29	CJG	A
Total Xylenes	ND		ug/L	3.0	SW846 8260B			12/15/17 06:29	CJG	A
1,2,4-Trimethylbenzene	ND		ug/L	1.0	SW846 8260B			12/15/17 06:29	CJG	A
1,3,5-Trimethylbenzene	ND		ug/L	1.0	SW846 8260B			12/15/17 06:29	CJG	A
<i>Surrogate Recoveries</i>	<i>Results</i>	<i>Flag</i>	<i>Units</i>	<i>Limits</i>	<i>Method</i>	<i>Prepared</i>	<i>By</i>	<i>Analyzed</i>	<i>By</i>	<i>Cntr</i>
1,2-Dichloroethane-d4 (S)	91.3		%	62 - 133	SW846 8260B			12/15/17 06:29	CJG	A
4-Bromofluorobenzene (S)	103		%	79 - 114	SW846 8260B			12/15/17 06:29	CJG	A
Dibromofluoromethane (S)	93.5		%	78 - 116	SW846 8260B			12/15/17 06:29	CJG	A
Toluene-d8 (S)	104		%	76 - 127	SW846 8260B			12/15/17 06:29	CJG	A



Ms. Amy K Borden
Project Coordinator

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F. 717-944-1430

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REQUEST FOR ANALYSIS**
ALL SHADED AREAS MUST BE COMPLETED BY THE CLIENT /
SAMPLER. INSTRUCTIONS ON THE BACK.

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1 of 1



* 2 2 8 1 4 7 8 *

Client Name: LaBella Associates, P.C.		Container Type: CG	Receipt Information (Completed by Receiving Lab)	
Address: 1000 Dunham Drive, Suite B		Container Size: 40 ml	Cooler Temp: 41	Therm ID: 402
Dunmore, PA 18512		Preservative: HCL	No. of Coolers: Y N Initial	
Contact: Martin Gilgallon		Custody Seals Present? ☒ <i>MM</i>		
Phone#: (570) 487-1959		(if present) Seals Intact? ☒		
Project Name#: 2171845/Pump-n-Pantry #001		Received on Ice? ☒		
Bill To: Lynn Hanichak		COC Labels Complete/Accurate? ☒		
TAT ☒ Normal-Standard TAT is 10-12 business days.		Cont. In Good Cond.? ☒		
Date Required: ☐ Rush-Subject to ALS approval and surcharges.		Correct Containers? ☒		
Email? ☒ Y ☐ N mgilgallon@labellapc.com		Correct Sample Volumes? ☒		
Fax? ☐ Y ☐ N		Correct Preservation? ☒		
Sample Description/Location (as it will appear on the lab report)		Headspace/Volatiles? ☒		
Sample Date		Courier/Tracking #: 8121 9377 9866		
Time		Sample/COC Comments		
1 112-1204-OW3		Enter Number of Containers Per Sample or Field Results Below:		
12/4/17 1418		Unleaded Gasoline		
2 112-1204-OW4		2 GW		
12/4/17 1458		2 GW		
3				
4				
5				
6				
7				
8				
9				
10				
Project Comments: FedEx #8121 9377 9866		ALS Field Services: ☐ Pickup ☐ Labor ☐ Composite Sampling ☐ Rental Equipment ☐ Other: _____		
Relinquished By / Company Name		Date		Time
Chris Wimmer / LaBella		12/4/17		0730
1		2		12/6/17 1400
3		4		12/7/17 0900
5		6		
7		8		
9		10		
LOGGED BY (signature):		REVIEWED BY (signature):		
Date		Time		
12/4/17		0730		
12/6/17		1400		
12/7/17		0900		
Data Deliverables		Special Processing		
☒ Standard ☐ CLP-like ☐ USACE		☐ USACE ☐ Navy ☐		
Reportable to PADEP? ☐ Yes ☐ No		Sample Disposal ☒ Lab ☐ Special ☐		
PWSID #		EDDS: Format Type		
* G=Grab; C=Composite		** Matrix: AL=Air; DW=Drinking Water; GW=Groundwater; OL=Oil; OL=Other Liquid; SL=Sludge; SO=Soil; WP=Wipe; WW=Wastewater		
ALS ENVIRONMENTAL SHIPPING ADDRESS: 34 DOGWOOD LANE, MIDDLETOWN, PA 17057				

Rev 10/11

ALS

December 15, 2017

Mr. Marty Gilgallon
LaBella-Dunmore
1000 Dunham Drive
Suite B
Scranton, PA 18512

Certificate of Analysis

Project Name: 2171845/Pump-n-Pantry #001	Workorder: 2281479
Purchase Order:	Workorder ID: 2171845/Pump-n-Pantry #001

Dear Mr. Gilgallon:

Enclosed are the analytical results for samples received by the laboratory on Thursday, December 7, 2017.

The ALS Environmental laboratory in Middletown, Pennsylvania is a National Environmental Laboratory Accreditation Program (NELAP) accredited laboratory and as such, certifies that all applicable test results meet the requirements of NELAP.

If you have any questions regarding this certificate of analysis, please contact Ms. Amy K Borden (Project Coordinator) at (717) 944-5541.

Analyses were performed according to our laboratory's NELAP-approved quality assurance program and any applicable state requirements. The test results meet requirements of the current NELAP standards or state requirements, where applicable. For a specific list of accredited analytes, refer to the certifications section of the ALS website at www.alsglobal.com/en/Our-Services/Life-Sciences/Environmental/Downloads.

This laboratory report may not be reproduced, except in full, without the written approval of ALS Environmental.

ALS Spring City: 10 Riverside Drive, Spring City, PA 19475 610-948-4903

CC: Mr. Kevin Cucura

*This page is included as part of the Analytical Report and
must be retained as a permanent record thereof.*



Ms. Amy K Borden
Project Coordinator

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**SAMPLE SUMMARY**

Workorder: 2281479 2171845/Pump-n-Pantry #001

Lab ID	Sample ID	Matrix	Date Collected	Date Received	Collected By
2281479001	112-1204-RW1	Ground Water	12/4/2017 15:42	12/7/2017 09:56	Collected by Client

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SAMPLE SUMMARY

Workorder: 2281479 2171845/Pump-n-Pantry #001

Notes

- Samples collected by ALS personnel are done so in accordance with the procedures set forth in the ALS Field Sampling Plan (20 - Field Services Sampling Plan).
- All Waste Water analyses comply with methodology requirements of 40 CFR Part 136.
- All Drinking Water analyses comply with methodology requirements of 40 CFR Part 141.
- Unless otherwise noted, all quantitative results for soils are reported on a dry weight basis.
- The Chain of Custody document is included as part of this report.
- All Library Search analytes should be regarded as tentative identifications based on the presumptive evidence of the mass spectra. Concentrations reported are estimated values.
- Parameters identified as "analyze immediately" require analysis within 15 minutes of collection. Any "analyze immediately" parameters not listed under the header "Field Parameters" are performed in the laboratory and are therefore analyzed out of hold time.
- Method references listed on this report beginning with the prefix "S" followed by a method number (such as S2310B-97) refer to methods from "Standard Methods for the Examination of Water and Wastewater".
- For microbiological analyses, the "Prepared" value is the date/time into the incubator and the "Analyzed" value is the date/time out the incubator.

Standard Acronyms/Flags

J	Indicates an estimated value between the Method Detection Limit (MDL) and the Practical Quantitation Limit (PQL) for the analyte
U	Indicates that the analyte was Not Detected (ND)
N	Indicates presumptive evidence of the presence of a compound
MDL	Method Detection Limit
PQL	Practical Quantitation Limit
RDL	Reporting Detection Limit
ND	Not Detected - indicates that the analyte was Not Detected at the RDL
Cntr	Analysis was performed using this container
RegLmt	Regulatory Limit
LCS	Laboratory Control Sample
MS	Matrix Spike
MSD	Matrix Spike Duplicate
DUP	Sample Duplicate
%Rec	Percent Recovery
RPD	Relative Percent Difference
LOD	DoD Limit of Detection
LOQ	DoD Limit of Quantitation
DL	DoD Detection Limit
I	Indicates reported value is greater than or equal to the Method Detection Limit (MDL) but less than the Report Detection Limit (RDL)
(S)	Surrogate Compound
NC	Not Calculated
*	Result outside of QC limits

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Vancouver Waterloo · Winnipeg · Yellowknife United States: Cincinnati · Everett · Fort Collins · Holland · Houston · Middletown · Salt Lake City · Spring City · York Mexico: Monterrey

**ANALYTICAL RESULTS**

Workorder: 2281479 2171845/Pump-n-Pantry #001

Lab ID: **2281479001**
Sample ID: **112-1204-RW1**Date Collected: 12/4/2017 15:42 Matrix: Ground Water
Date Received: 12/7/2017 09:56

Parameters	Results	Flag	Units	RDL	Method	Prepared	By	Analyzed	By	Cntr
VOLATILE ORGANICS										
Benzene	ND		ug/L	1.0	SW846 8260B			12/15/17 06:47	CJG	A
Ethylbenzene	ND		ug/L	1.0	SW846 8260B			12/15/17 06:47	CJG	A
Isopropylbenzene	ND		ug/L	1.0	SW846 8260B			12/15/17 06:47	CJG	A
Methyl t-Butyl Ether	ND		ug/L	1.0	SW846 8260B			12/15/17 06:47	CJG	A
Naphthalene	ND		ug/L	2.0	SW846 8260B			12/15/17 06:47	CJG	A
Toluene	ND		ug/L	1.0	SW846 8260B			12/15/17 06:47	CJG	A
Total Xylenes	ND		ug/L	3.0	SW846 8260B			12/15/17 06:47	CJG	A
1,2,4-Trimethylbenzene	1.5		ug/L	1.0	SW846 8260B			12/15/17 06:47	CJG	A
1,3,5-Trimethylbenzene	ND		ug/L	1.0	SW846 8260B			12/15/17 06:47	CJG	A
<i>Surrogate Recoveries</i>	<i>Results</i>	<i>Flag</i>	<i>Units</i>	<i>Limits</i>	<i>Method</i>	<i>Prepared</i>	<i>By</i>	<i>Analyzed</i>	<i>By</i>	<i>Cntr</i>
1,2-Dichloroethane-d4 (S)	92.4		%	62 - 133	SW846 8260B			12/15/17 06:47	CJG	A
4-Bromofluorobenzene (S)	105		%	79 - 114	SW846 8260B			12/15/17 06:47	CJG	A
Dibromofluoromethane (S)	97.8		%	78 - 116	SW846 8260B			12/15/17 06:47	CJG	A
Toluene-d8 (S)	107		%	76 - 127	SW846 8260B			12/15/17 06:47	CJG	A

Ms. Amy K Borden
Project Coordinator**ALS Environmental Laboratory Locations Across North America**Canada: Burlington · Calgary · Centre of Excellence · Edmonton · Fort McMurray · Fort St. John · Grande Prairie · London · Mississauga · Richmond Hill · Saskatoon · Thunder Bay
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ALL SHADED AREAS MUST BE COMPLETED BY THE CLIENT /
SAMPLER. INSTRUCTIONS ON THE BACK.

COC #
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1 of 1

Client Name: LaBella Associates, P.C.		Container Type: CG	Cooler Temp: 41		Therm ID: 466	g Lab)	
Address: 1000 Dunham Drive, Suite B		Container Size: 40 ml	No. of Coolers: Y N		Initial: DMN		
Dunmore, PA 15112		Preservative: HCL	Custody Seals Present? ☒				
Contact: Martin Gilgallon		ANALYSES/METHOD REQUESTED					
Phone#: (570) 487-1959							
Project Name#: 2171845/Pump-n-Pantry #001							
Bill To: Lynn Hanichak							
TAT ☒ Normal-Standard TAT is 10-12 business days.							
Date Required: Rush-Subject to ALS approval and surcharges.							
Approved By: _____							
Email? Y ☒ Y mailgallon@labellapc.com							
Fax? Y ☐ Y No: _____							
Sample Description/Location (as it will appear on the lab report)	Sample Date	Time	G or C	Matrix	Enter Number of Containers Per Sample or Field Results Below.		
1 112-1204-RW1	12/4/17	1542	G	GW	2		
2							
3							
4							
5							
6							
7							
8							
9							
10							
Project Comments: FedEx #8121 9377 9866		LOGGED BY (signature):		REVIEWED BY (signature):			
Relinquished By / Company Name	Date	Time	Received By / Company Name		Date	Time	
Chris Gervase / LaBella	12/4/17	0730	FedEx #8121 9377 9866		12/17/17	1400	
			4		12/17/17	0900	
			6				
			8				
			10				
State Samples Collected In		Special Processing		Sample Disposal		EDDS: Format Type	
USACE ☐ Navy ☐ PA ☒ NC ☐		USACE ☐ Navy ☐ PA ☒ NC ☐		Lab ☐ Special ☐			
Reportable to PADEP? Yes ☐ No ☒		PWSID #		EDDS: Format Type			
ALS Field Services: Pickup ☐ Labor ☐		Composite Sampling ☐ Rental Equipment ☐		Other: _____			
Courier/Tracking #: 9377 9866		Sample/COC Comments					

APPENDIX R-11

Groundwater Analytical Data Sheets

Northridge Excavation Activities



2019 Ninth Avenue
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PaDEP: PA 41-04684



www.fairwaylaboratories.com

State Certifications: MD 275, WV 364

Northridge Group, Inc.

254 Reitz Ave

Winfield PA, 17889

Project Manager: Cody Raup

Project: RICH TANK LINES

Project Number: 17-W0131B

Collector: CLIENT

Number of Containers: 26

Reported:

02/10/17 09:40

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Sample Type	Date Sampled	Date Received
17-W0131B4	7B08015-01	Solid	Grab	02/06/17 09:56	02/07/17 18:45
17-W0131B5	7B08015-02	Solid	Grab	02/06/17 10:25	02/07/17 18:45
17-W0131B6	7B08015-03	Solid	Grab	02/06/17 10:48	02/07/17 18:45
17-W0131B7	7B08015-04	Solid	Grab	02/06/17 10:52	02/07/17 18:45
17-W0131B8	7B08015-05	Solid	Grab	02/06/17 10:58	02/07/17 18:45
17-W0131B9	7B08015-06	Water	Grab	02/06/17 11:02	02/07/17 18:45

Fairway Laboratories, Inc.

Reviewed and Submitted by:

Michael P. Tyler
Laboratory Director

Fairway Labs in Altoona, PA is a NELAP (National Environmental Laboratory Accreditation Program) accredited lab, and as such, certifies that all applicable test results meet the requirements of NELAP, unless otherwise stated on the analytical report.

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Northridge Group, Inc.

254 Reitz Ave

Winfield PA, 17889

Project Manager: Cody Raup

Project: RICH TANK LINES

Project Number: 17-W0131B

Collector: CLIENT

Number of Containers: 26

Reported:

02/10/17 09:40

Client Sample ID: 17-W0131B4

Date/Time Sampled: 02/06/17 09:56

Laboratory Sample ID: 7B08015-01 (Solid/Grab)

Analyte	Result	MDL	RL	Units	Date / Time Analyzed	Analytical Method	* Analyst	Note
Volatile Organic Compounds by EPA Method 8260B								
1,3,5-Trimethylbenzene	<0.0056		0.0056	mg/kg dry	02/08/17 23:08	EPA 8260B	mtc	
1,2,4-Trimethylbenzene	<0.0056		0.0056	mg/kg dry	02/08/17 23:08	EPA 8260B	mtc	
Benzene	<0.0023		0.0023	mg/kg dry	02/08/17 23:08	EPA 8260B	mtc	
Toluene	<0.0056		0.0056	mg/kg dry	02/08/17 23:08	EPA 8260B	mtc	
Ethylbenzene	<0.0056		0.0056	mg/kg dry	02/08/17 23:08	EPA 8260B	mtc	
Xylenes (total)	<0.0113		0.0113	mg/kg dry	02/08/17 23:08	EPA 8260B	mtc	
Isopropylbenzene	<0.0056		0.0056	mg/kg dry	02/08/17 23:08	EPA 8260B	mtc	
Methyl tert-butyl ether	<0.0056		0.0056	mg/kg dry	02/08/17 23:08	EPA 8260B	mtc	
Naphthalene	<0.0056		0.0056	mg/kg dry	02/08/17 23:08	EPA 8260B	mtc	
Surrogate: 4-Bromofluorobenzene	95 %		70-130		02/08/17 23:08	EPA 8260B	mtc	
Surrogate: 1,2-Dichloroethane-d4	116 %		70-130		02/08/17 23:08	EPA 8260B	mtc	
Surrogate: Fluorobenzene	103 %		70-130		02/08/17 23:08	EPA 8260B	mtc	

Conventional Chemistry Parameters by SM/EPA Methods

% Solids	71.9		0.100	%	02/08/17 20:10	SM 2540 G-97	ark	
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PaDEP: PA 41-04684



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Northridge Group, Inc.

254 Reitz Ave

Winfield PA, 17889

Project Manager: Cody Raup

Project: RICH TANK LINES

Project Number: 17-W0131B

Collector: CLIENT

Number of Containers: 26

Reported:

02/10/17 09:40

Client Sample ID: 17-W0131B5

Date/Time Sampled: 02/06/17 10:25

Laboratory Sample ID: 7B08015-02 (Solid/Grab)

Analyte	Result	MDL	RL	Units	Date / Time Analyzed	Analytical Method	* Analyst	Note
Volatile Organic Compounds by EPA Method 8260B								I5
1,3,5-Trimethylbenzene	<0.0041	0.0041	mg/kg dry	02/08/17 23:46	EPA 8260B	mtc	K	
1,2,4-Trimethylbenzene	<0.0041	0.0041	mg/kg dry	02/08/17 23:46	EPA 8260B	mtc		
Benzene	0.0033	0.0017	mg/kg dry	02/08/17 23:46	EPA 8260B	mtc	K	
Toluene	0.0163	0.0041	mg/kg dry	02/08/17 23:46	EPA 8260B	mtc	K	
Ethylbenzene	<0.0041	0.0041	mg/kg dry	02/08/17 23:46	EPA 8260B	mtc	K	
Xylenes (total)	0.0155	0.0083	mg/kg dry	02/08/17 23:46	EPA 8260B	mtc	K	
Isopropylbenzene	<0.0041	0.0041	mg/kg dry	02/08/17 23:46	EPA 8260B	mtc		
Methyl tert-butyl ether	<0.0041	0.0041	mg/kg dry	02/08/17 23:46	EPA 8260B	mtc		
Naphthalene	<0.0041	0.0041	mg/kg dry	02/08/17 23:46	EPA 8260B	mtc		
Surrogate: 4-Bromofluorobenzene	95 %	70-130	02/08/17 23:46	EPA 8260B	mtc			
Surrogate: 1,2-Dichloroethane-d4	117 %	70-130	02/08/17 23:46	EPA 8260B	mtc			
Surrogate: Fluorobenzene	105 %	70-130	02/08/17 23:46	EPA 8260B	mtc			

Conventional Chemistry Parameters by SM/EPA Methods

% Solids	76.3	0.100	%	02/08/17 20:10	SM 2540 G-97	ark	
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PaDEP: PA 41-04684



State Certifications: MD 275, WV 364

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Northridge Group, Inc.

254 Reitz Ave

Winfield PA, 17889

Project Manager: Cody Raup

Project: RICH TANK LINES

Project Number: 17-W0131B

Collector: CLIENT

Number of Containers: 26

Reported:

02/10/17 09:40

Client Sample ID: 17-W0131B6

Date/Time Sampled: 02/06/17 10:48

Laboratory Sample ID: 7B08015-03 (Solid/Grab)

Analyte	Result	MDL	RL	Units	Date / Time Analyzed	Analytical Method	* Analyst	Note
Volatile Organic Compounds by EPA Method 8260B								15
1,3,5-Trimethylbenzene	<0.0032		0.0032	mg/kg dry	02/09/17 01:02	EPA 8260B	mtc	I
1,2,4-Trimethylbenzene	<0.0032		0.0032	mg/kg dry	02/09/17 01:02	EPA 8260B	mtc	I
Benzene	0.0023		0.0013	mg/kg dry	02/09/17 01:02	EPA 8260B	mtc	
Toluene	<0.0032		0.0032	mg/kg dry	02/09/17 01:02	EPA 8260B	mtc	
Ethylbenzene	<0.0032		0.0032	mg/kg dry	02/09/17 01:02	EPA 8260B	mtc	
Xylenes (total)	<0.0064		0.0064	mg/kg dry	02/09/17 01:02	EPA 8260B	mtc	I
Isopropylbenzene	<0.0032		0.0032	mg/kg dry	02/09/17 01:02	EPA 8260B	mtc	
Methyl tert-butyl ether	<0.0032		0.0032	mg/kg dry	02/09/17 01:02	EPA 8260B	mtc	
Naphthalene	<0.0032		0.0032	mg/kg dry	02/09/17 01:02	EPA 8260B	mtc	H
Surrogate: 4-Bromofluorobenzene		96 %		70-130	02/09/17 01:02	EPA 8260B	mtc	
Surrogate: 1,2-Dichloroethane-d4		118 %		70-130	02/09/17 01:02	EPA 8260B	mtc	
Surrogate: Fluorobenzene		102 %		70-130	02/09/17 01:02	EPA 8260B	mtc	

Conventional Chemistry Parameters by SM/EPA Methods

% Solids	87.2	0.100	%	02/08/17 20:10	SM 2540 G-97	ark	
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Fairway Laboratories, Inc.

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(814) 946-4306
NELAP: PA 07-062, VA 460212

89 Kristi Road
Pennssdale, PA 17756
(570) 494-6380
PaDEP: PA 41-04684



www.fairwaylaboratories.com

State Certifications: MD 275, WV 364

Northridge Group, Inc.

254 Reitz Ave

Winfield PA, 17889

Project Manager: Cody Raup

Project: RICH TANK LINES

Project Number: 17-W0131B

Collector: CLIENT

Number of Containers: 26

Reported:

02/10/17 09:40

Client Sample ID: 17-W0131B7

Date/Time Sampled: 02/06/17 10:52

Laboratory Sample ID: 7B08015-04 (Solid/Grab)

Analyte	Result	MDL	RL	Units	Date / Time Analyzed	Analytical Method	* Analyst	Note
Volatile Organic Compounds by EPA Method 8260B								
1,3,5-Trimethylbenzene	<0.0061	0.0061		mg/kg dry	02/09/17 12:26	EPA 8260B	mtc	
1,2,4-Trimethylbenzene	<0.0061	0.0061		mg/kg dry	02/09/17 12:26	EPA 8260B	mtc	
Benzene	0.0087	0.0024		mg/kg dry	02/09/17 12:26	EPA 8260B	mtc	
Toluene	<0.0061	0.0061		mg/kg dry	02/09/17 12:26	EPA 8260B	mtc	
Ethylbenzene	<0.0061	0.0061		mg/kg dry	02/09/17 12:26	EPA 8260B	mtc	
Xylenes (total)	<0.0122	0.0122		mg/kg dry	02/09/17 12:26	EPA 8260B	mtc	
Isopropylbenzene	<0.0061	0.0061		mg/kg dry	02/09/17 12:26	EPA 8260B	mtc	
Methyl tert-butyl ether	<0.0061	0.0061		mg/kg dry	02/09/17 12:26	EPA 8260B	mtc	
Naphthalene	<0.0061	0.0061		mg/kg dry	02/09/17 12:26	EPA 8260B	mtc	
Surrogate: 4-Bromofluorobenzene	96 %		70-130		02/09/17 12:26	EPA 8260B	mtc	
Surrogate: 1,2-Dichloroethane-d4	120 %		70-130		02/09/17 12:26	EPA 8260B	mtc	
Surrogate: Fluorobenzene	106 %		70-130		02/09/17 12:26	EPA 8260B	mtc	

Conventional Chemistry Parameters by SM/EPA Methods

% Solids	84.0	0.100	%	02/08/17 20:10	SM 2540 G-97	ark
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State Certifications: MD 275, WV 364

Northridge Group, Inc.

254 Reitz Ave

Winfield PA, 17889

Project Manager: Cody Raup

Project: RICH TANK LINES

Project Number: 17-W0131B

Collector: CLIENT

Number of Containers: 26

Reported:

02/10/17 09:40

Client Sample ID: 17-W0131B8

Date/Time Sampled: 02/06/17 10:58

Laboratory Sample ID: 7B08015-05 (Solid/Grab)

Analyte	Result	MDL	RL	Units	Date / Time Analyzed	Analytical Method	* Analyst	Note
Volatile Organic Compounds by EPA Method 8260B								
1,3,5-Trimethylbenzene	<0.0045	0.0045	mg/kg dry	02/09/17 12:54	EPA 8260B	mtc		
1,2,4-Trimethylbenzene	<0.0045	0.0045	mg/kg dry	02/09/17 12:54	EPA 8260B	mtc		
Benzene	0.0967	0.0018	mg/kg dry	02/09/17 12:54	EPA 8260B	mtc		H
Toluene	0.0417	0.0045	mg/kg dry	02/09/17 12:54	EPA 8260B	mtc		H
Ethylbenzene	<0.0045	0.0045	mg/kg dry	02/09/17 12:54	EPA 8260B	mtc		
Xylenes (total)	<0.0089	0.0089	mg/kg dry	02/09/17 12:54	EPA 8260B	mtc		
Isopropylbenzene	<0.0045	0.0045	mg/kg dry	02/09/17 12:54	EPA 8260B	mtc		
Methyl tert-butyl ether	<0.0045	0.0045	mg/kg dry	02/09/17 12:54	EPA 8260B	mtc		
Naphthalene	<0.0045	0.0045	mg/kg dry	02/09/17 12:54	EPA 8260B	mtc		I
Surrogate: 4-Bromofluorobenzene	97 %	70-130		02/09/17 12:54	EPA 8260B	mtc		
Surrogate: 1,2-Dichloroethane-d4	117 %	70-130		02/09/17 12:54	EPA 8260B	mtc		
Surrogate: Fluorobenzene	102 %	70-130		02/09/17 12:54	EPA 8260B	mtc		

Conventional Chemistry Parameters by SM/EPA Methods

% Solids	78.7	0.100	%	02/08/17 20:10	SM 2540 G-97	ark	
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Northridge Group, Inc.

254 Reitz Ave

Winfield PA, 17889

Project Manager: Cody Raup

Project: RICH TANK LINES

Project Number: 17-W0131B

Collector: CLIENT

Number of Containers: 26

Reported:

02/10/17 09:40

Client Sample ID: 17-W0131B9

Date/Time Sampled: 02/06/17 11:02

Laboratory Sample ID: 7B08015-06 (Water/Grab)

Analyte	Result	MDL	RL	Units	Date / Time Analyzed	Analytical Method	* Analyst	Note
Volatile Organic Compounds by EPA Method 8260B								
1,3,5-Trimethylbenzene	104		1.00	ug/l	02/09/17 07:49	EPA 8260B	bag	
1,2,4-Trimethylbenzene	241		25.0	ug/l	02/09/17 09:57	EPA 8260B	bag	
Benzene	514		25.0	ug/l	02/09/17 09:57	EPA 8260B	bag	
Toluene	1950		25.0	ug/l	02/09/17 09:57	EPA 8260B	bag	
Ethylbenzene	220		25.0	ug/l	02/09/17 09:57	EPA 8260B	bag	
Xylenes (total)	1270		50.0	ug/l	02/09/17 09:57	EPA 8260B	bag	
Isopropylbenzene	18.7		1.00	ug/l	02/09/17 07:49	EPA 8260B	bag	
Methyl tert-butyl ether	18.8		1.00	ug/l	02/09/17 07:49	EPA 8260B	bag	
Naphthalene	32.8		1.00	ug/l	02/09/17 07:49	EPA 8260B	bag	
Surrogate: 4-Bromofluorobenzene	101 %		70-130		02/09/17 07:49	EPA 8260B	bag	
Surrogate: 1,2-Dichloroethane-d4	100 %		70-130		02/09/17 07:49	EPA 8260B	bag	
Surrogate: Fluorobenzene	103 %		70-130		02/09/17 07:49	EPA 8260B	bag	

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Project Manager: Cody Raup

Project: RICH TANK LINES

Project Number: 17-W0131B

Collector: CLIENT

Number of Containers: 26

Reported:

02/10/17 09:40

Notes

- H The spike recovery was above the acceptance range for the Matrix Spike (MS) and/or Matrix Spike Duplicate (MSD) sample analyzed with the preparation batch.
- I The spike recovery was below the acceptance range for the Matrix Spike (MS) and/or Matrix Spike Duplicate (MSD) sample analyzed with the preparation batch.
- 15 The received vial contained the amount of preservative for 5 grams of sample; however, the vial contained greater than 20% of that amount of sample.
- K The RPD result exceeded the quality control limits for the duplicate, Laboratory Control Sample Duplicate (LCSD), or Matrix Spike Duplicate (MSD) sample analyzed with the preparation batch.

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Project Number: 17-W0131B

Collector: CLIENT

Number of Containers: 26

Reported:

02/10/17 09:40

Definitions

If surrogate values are not within the indicated range, then the results are considered to be estimated.

Reporting limits are adjusted accordingly when samples are analyzed at a dilution due to the matrix.

MBAS, calculated as LAS, mol wt 348

If the solid sample weight for VOC analysis does not fall within the 3.5-6.5 gram range, the results are considered estimated values.

Unless otherwise noted, all results for solids are reported on a dry weight basis.

Samples collected by Fairway Laboratories' personnel are done so in accordance with Standard Operating Procedures established by Fairway Laboratories.

The following analyses are to be performed immediately upon sampling: pH, sulfite, chlorine residual, dissolved oxygen, filtration for ortho phosphorus, and ferrous iron. The date and time reported reflect the time the samples were analyzed at the laboratory; and should be considered as analyzed outside the EPA holding time.

* P indicates analysis performed by Fairway Laboratories, Inc. at the Pennsdale location. This location is PaDEP Chapter 252 certified.

< Represents "less than" - indicates that the result was less than the reporting limit.

MDL Method Detection Limit - is the lowest or minimum level that provides 99% confidence level that the analyte is detected. Any reported result values that are less than the RL are considered estimated values.

RL Reporting Limit - is the lowest or minimum level at which the analyte can be quantified.

[CALC] Indicates a calculated result. Calculations use results from other analyses performed under accredited methods.

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Project: RICH TANK LINES

Project Number: 17-W0131B

Collector: CLIENT

Number of Containers: 26

Reported:

02/10/17 09:40

Terms & Conditions

Services provided by Fairway Laboratories Inc. are limited to the terms and conditions stated herein, unless otherwise agreed to in a formal contract.

CHAIN OF CUSTODY Fairway Laboratories Inc. ("Fairway," "us" or "we") will initiate a chain-of-custody/request for analysis upon sample receipt unless the client includes a completed form with the received sample(s). Upon request, Fairway will provide chain-of-custody forms for use.

CONFIDENTIALITY Fairway maintains confidentiality in all of our client interactions. The client's consent will be required before releasing information about the services provided.

CONTRACTS All contracts are subject to review and approval by Fairway's legal council. Each contract must be signed by a corporate officer.

PAYMENT/BILLING Unless otherwise set forth in a signed contract or purchase order, terms of payment are "NET 30 Days." The time allowed for payment shall begin based on the invoice date. A 1.5% per month service charge may be added to all unpaid balances beyond the initial 30 days. In its sole discretion, Fairway reserves the right to request payment before services and hold sample results for payment of due balances. We will not bill a third party without prior agreement among all parties acknowledging and accepting responsibility for payment.

SAMPLE COLLECTION AND SUBMISSION Clients not requesting collection services from Fairway are responsible for proper collection, preservation, packaging, and delivery of samples to the laboratory in accordance with current law and commercial practice. Fairway shall have no responsibility for sample integrity prior to the receipt of the sample(s) and/or for any inaccuracy in test or analyses results as a result of the failure of the client or any third party to maintain the integrity of samples prior to delivery to Fairway. All samples submitted must be accompanied by a completed chain of custody or similar document clearly noting the requested analyses, dates/time sampled, client contact information, and trail of custody.

SUBCONTRACTING Some analyses may require subcontracting to another laboratory. Unless the client indicates otherwise, this decision will be made by Fairway. Subcontracted work will be identified on the final report in accordance with NELAC requirements.

RETURN OF RESULTS Fairway routinely provides faxed or verbal results within 10 working days of receipt of sample(s) and a hard copy of the data results is routinely received via US Postal Service within 15 working days. At the request of the client, Fairway may offer expedited return of sample results. Surcharges may apply to rush requests. All rush requests must be pre-approved by Fairway. We reserve the right to charge an archive retrieval fee for results older than one (1) year from the date of the request. All records will be maintained by Fairway for 5 years, after which, they will be destroyed.

SAMPLE DISPOSAL Fairway will maintain samples for four (4) weeks after the sample receipt date. Fairway will dispose of samples which are not and/or do not contain hazardous wastes (as such term is defined by applicable federal or state law), unless prior arrangements have been made for long-term storage. Fairway reserves the right to charge a disposal fee for the proper disposal of samples found or suspected to contain hazardous waste. A return shipping charge will be invoiced for samples returned to the client at their request.

HAZARD COMMUNICATION The client has the responsibility to inform the laboratory of any hazardous characteristics known or suspected about the sample, and to provide information on hazard prevention and personal protection as necessary or otherwise required by applicable law.

WARRANTY AND LIMITATION OF LIABILITY For services rendered, Fairway warrants that it will apply its best scientific knowledge and judgment and to employ its best level of effort consistent with professional standards within the environmental testing industry in performing the analytical services requested by its clients. We disclaim any other warranties, expressed or implied by law. Fairway does not accept any legal responsibility for the purposes for which client uses the test results.

LITIGATION All costs associated with compliance to any subpoena for documents, for testimony in a court of law, or for any other purpose relating to work performed by Fairway Laboratories, Inc. shall be invoiced by Fairway and paid by client. These costs shall include, but are not limited to, hourly charges for the persons involved, travel, mileage, and accommodations and for any and all other expenses associated with said litigation.

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CHAIN OF CUSTODY / REQUEST FOR ANALYSIS

FAIRWAY LABORATORIES INC.

CO# 17-W0131B Page 1 of 34

780805 21

Client Name: Northbridge Group, Inc.		Receiving Info		Y	N		
Project Name: Rich Tank Lines		Custody Seals					
Site Location: 754 Grow Avenue		Seals Intact?					
Sampler Name: Montrose, PA		Received on loc?					
Date: 2.6.2017		COC/ Labels agree?					
		Correct containers?					
		Correct preservation?					
		VOA head space					
TAT:		Sample Temp:					
Normal		Report to PADER?					
Rush		PWSID #:					
Date Required: 2.9.2017							

Sample Description / Location	Start Date	Start Time	End Date	End Time	Composite/Grab			Composite/Grab	Soil	Water	Other? Explain	# of Containers	Percent Solids	8260B	Analyses Requested	Bottles
					G	X										
17-W0131B4			2.6.2017	9:56	G	X						1	X			4oz.
17-W0131B4			2.6.2017	9:56	G	X						1	X			MEOH
17-W0131B4			2.6.2017	9:56	G	X						2	X			NaHSO ₄
17-W0131B5			2.6.2017	10:25	G	X						1	X			4oz.
17-W0131B5			2.6.2017	10:25	G	X						1	X			MEOH
17-W0131B5			2.6.2017	10:25	G	X						2	X			NaHSO ₄

Sampled by: <i>[Signature]</i>	Received By: <i>AGreen</i>	Date: 2/7/17	Time: 11:01	Remarks: Unleaded Gasoline
Relinquished by: <i>AGreen</i>	Received By: <i>[Signature]</i>	Date: 2/7/17	Time: 15:45	
Relinquished by: <i>[Signature]</i>	Received By: <i>[Signature]</i>	Date: 2/7/17	Time: 18:45	

CHAIN OF CUSTODY / REQUEST FOR ANALYSIS

FAIRWAY LABORATORIES INC.

CO# 17-W0131B Page 2 of 3/4

71808015 #2

Client Name:		Northbridge Group, Inc		Receiving Info		Y		N	
Project Name:		Rich Tank Lines		Custody Seals					
Site Location:		754 Grow Avenue		Seals Intact?					
Sample Name:		Montrose, PA		Received on ice?					
Date:		Cody J. Raup		COD/ Labels agree?					
		2.6.2017		Correct containers?					
				Correct preservation?					
				VOA head space					
				Sample Temp:					
Normal				Report to PADEP?					
Rush				PWSID #:					
Date Required:		2.9.2017							

Sample Description / Location	Start Date	Start Time	End Date	End Time	Composite/Grab			Percent Solids	8260B	Bottles
					Composite/Grab	Soil	Water			
17-W0131B6			2.6.2017	10:48	G	X		1	X	4oz.
17-W0131B6			2.6.2017	10:48	G	X		1	X	MEOH
17-W0131B6			2.6.2017	10:48	G	X		2	X	NaHSO ₄
17-W0131B7			2.6.2017	10:52	G	X		1	X	4oz.
17-W0131B7			2.6.2017	10:52	G	X		1	X	MEOH
17-W0131B7			2.6.2017	10:52	G	X		2	X	NaHSO ₄

Sampled by:	<i>[Signature]</i>	Received By:	<i>[Signature]</i>	Date	Time	Remarks
(signature)				2/7/17	15:17	Unleaded Gasoline
Relinquished by:	<i>[Signature]</i>	Received By:	<i>[Signature]</i>	Date	Time	
				2/7/17	15:45	
Relinquished by:	<i>[Signature]</i>	Received By:	<i>[Signature]</i>	Date	Time	
				2-7-17	18:45	

CHAIN OF CUSTODY / REQUEST FOR ANALYSIS

FAIRWAY LABORATORIES INC.

LOC # 17-W0131B Page 3 of 34

Analyses Requested

Client Name:	Northridge Group, Inc	Receiving Info	Y	N
Project Name:	Rich Tank Lines	Custody Seals		
Site Location:	754 Grow Avenue Montrose, PA	Seals Intact?		
Sampler Name:	Cody J. Raup	Received on Ice?		
Date:	2.6.2017	COG/ Labels agree?		
		Correct containers?		
		Correct preservation?		
		VOA head space		
		Sample Temp:		
Normal		Report to PADep?		
Rush		PWSID #:		
Date Required:	2.9.2017			

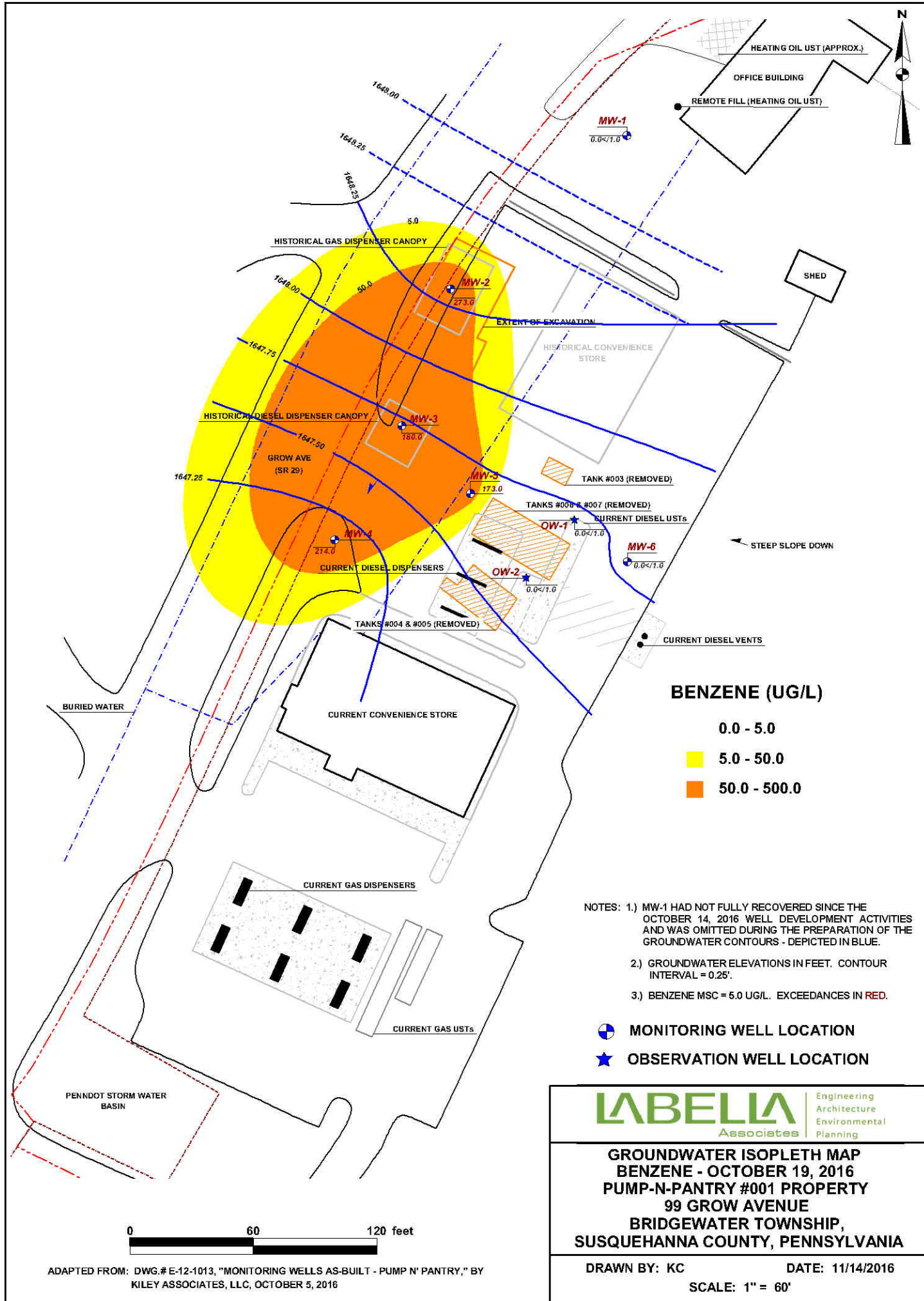
Sample Description / Location	Start Date	Start Time	End Date	End Time	Composite/Grab			Percent Solids	8260B	Bottles
					Composite/Grab	Soil	Water			
17-W0131B8			2.6.2017	10:58	G	X		1	X	4oz.
17-W0131B8			2.6.2017	10:58	G	X		1	X	MEOH
17-W0131B8			2.6.2017	10:58	G	X		2	X	NaHSO ₄
17-W0131B9			2.6.2017	11:02	G	X		2	X	HCL

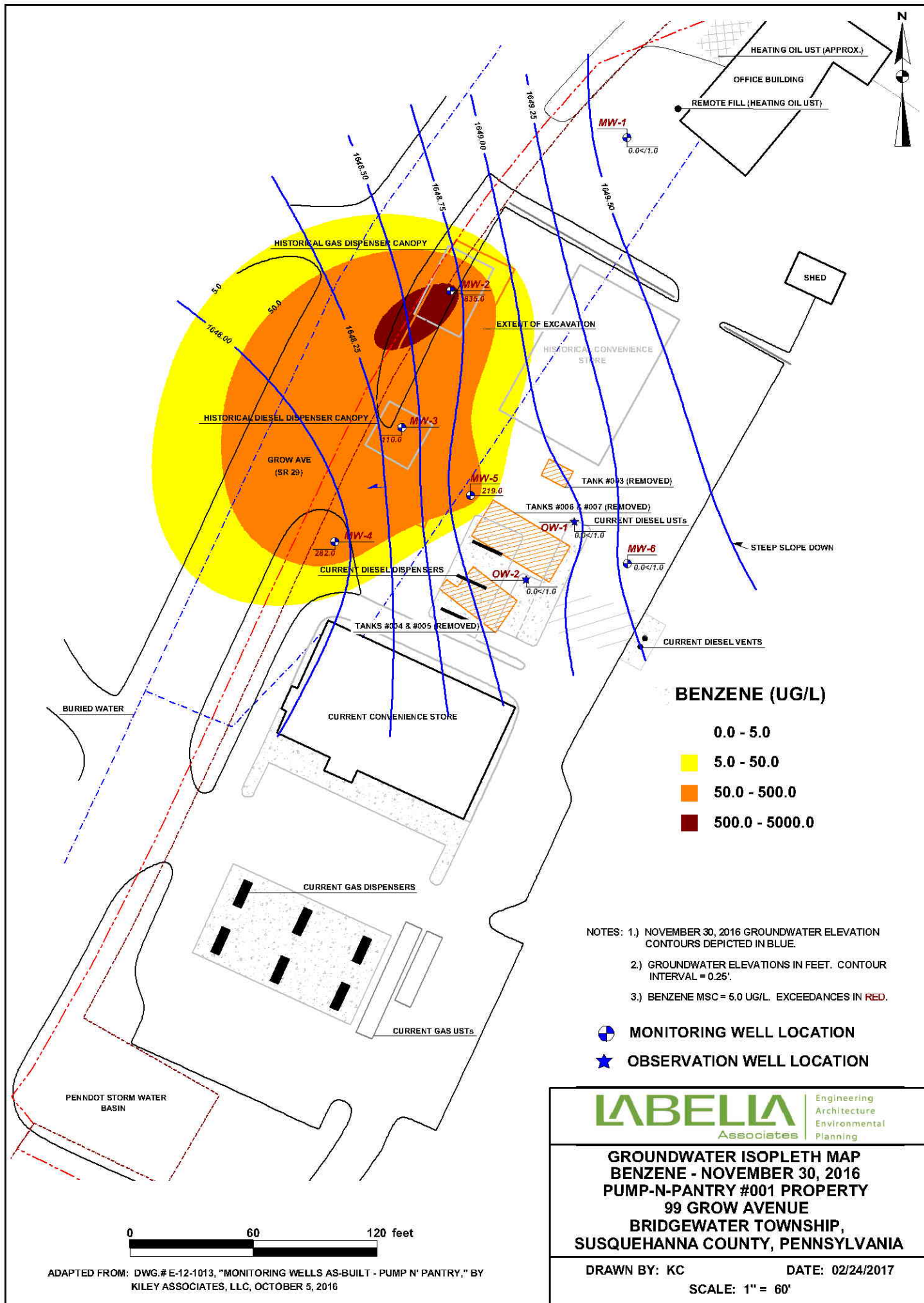
Sampled by:	AGreen	Date	2/7/17	Time	1450	Received By:	AGreen	Date	2/7/17	Time	1151	Remarks
Relinquished by:	AGreen	Date	2/7/17	Time	1450	Received By:	AGreen	Date	2/7/17	Time	1545	Unleaded Gasoline
Relinquished by:	AGreen	Date	2/7/17	Time	1845	Received By:	B. Bonavita	Date	2-7-17	Time	1845	Circle One : PA WV OH

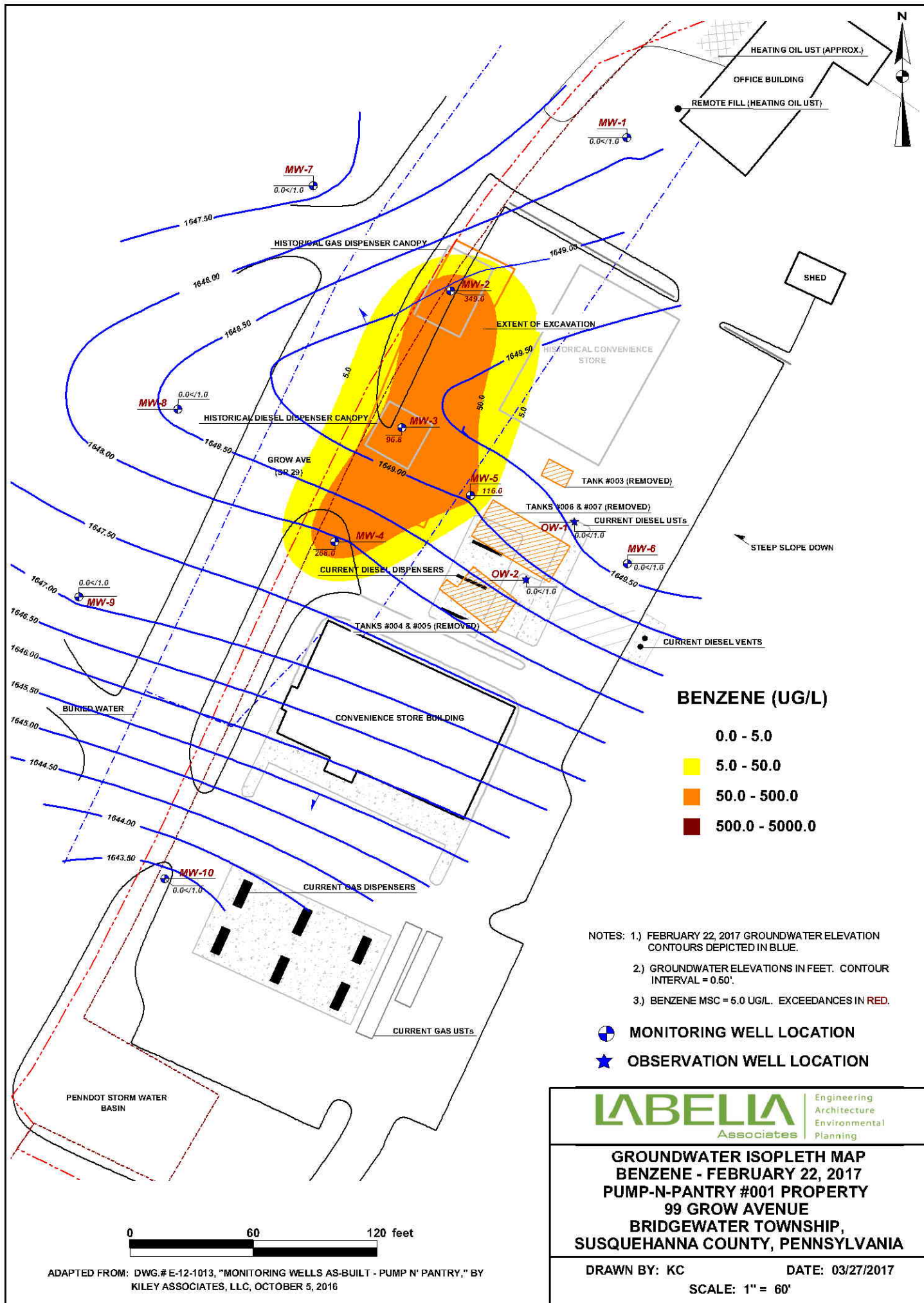
71308015 + 3

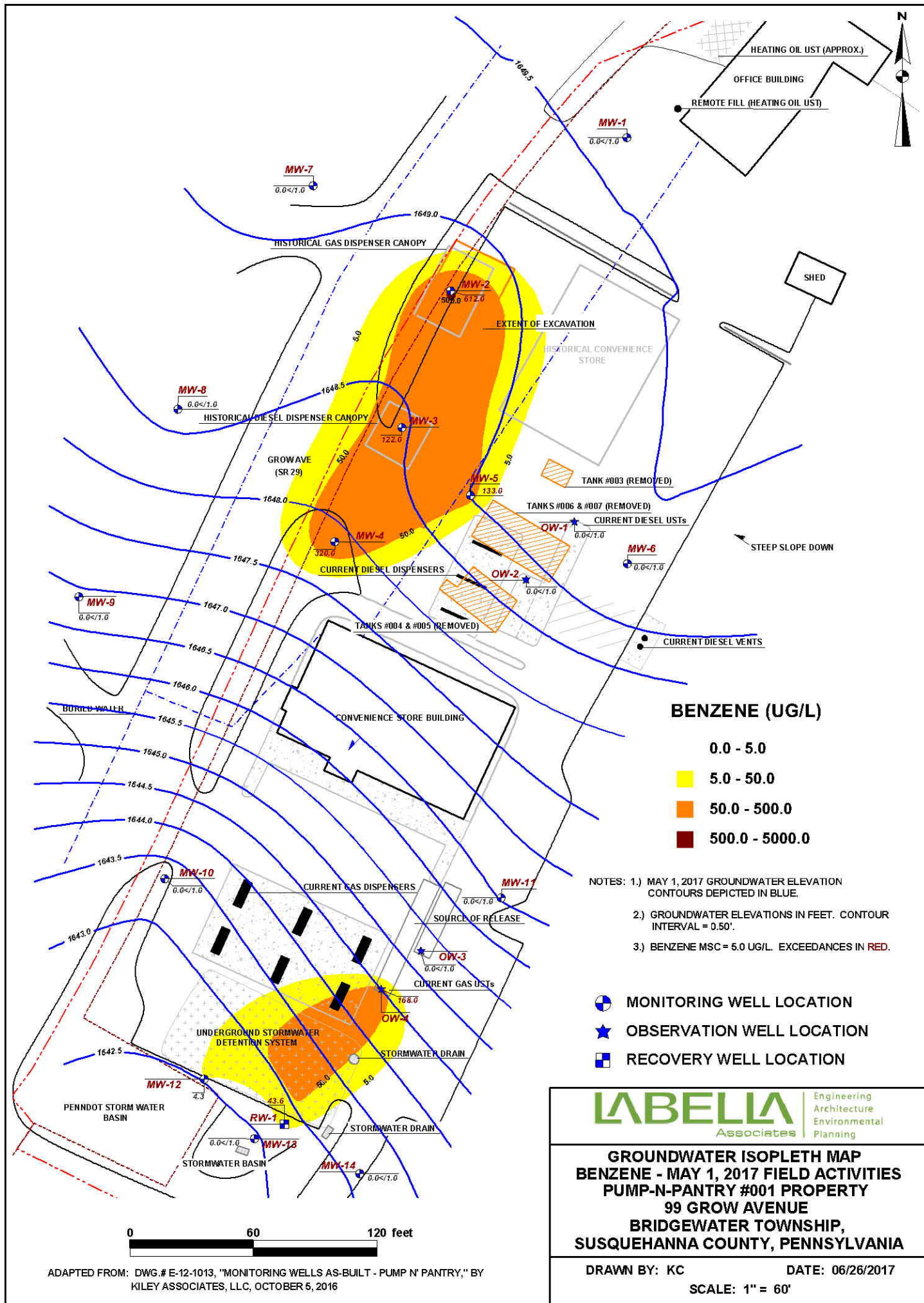
APPENDIX S

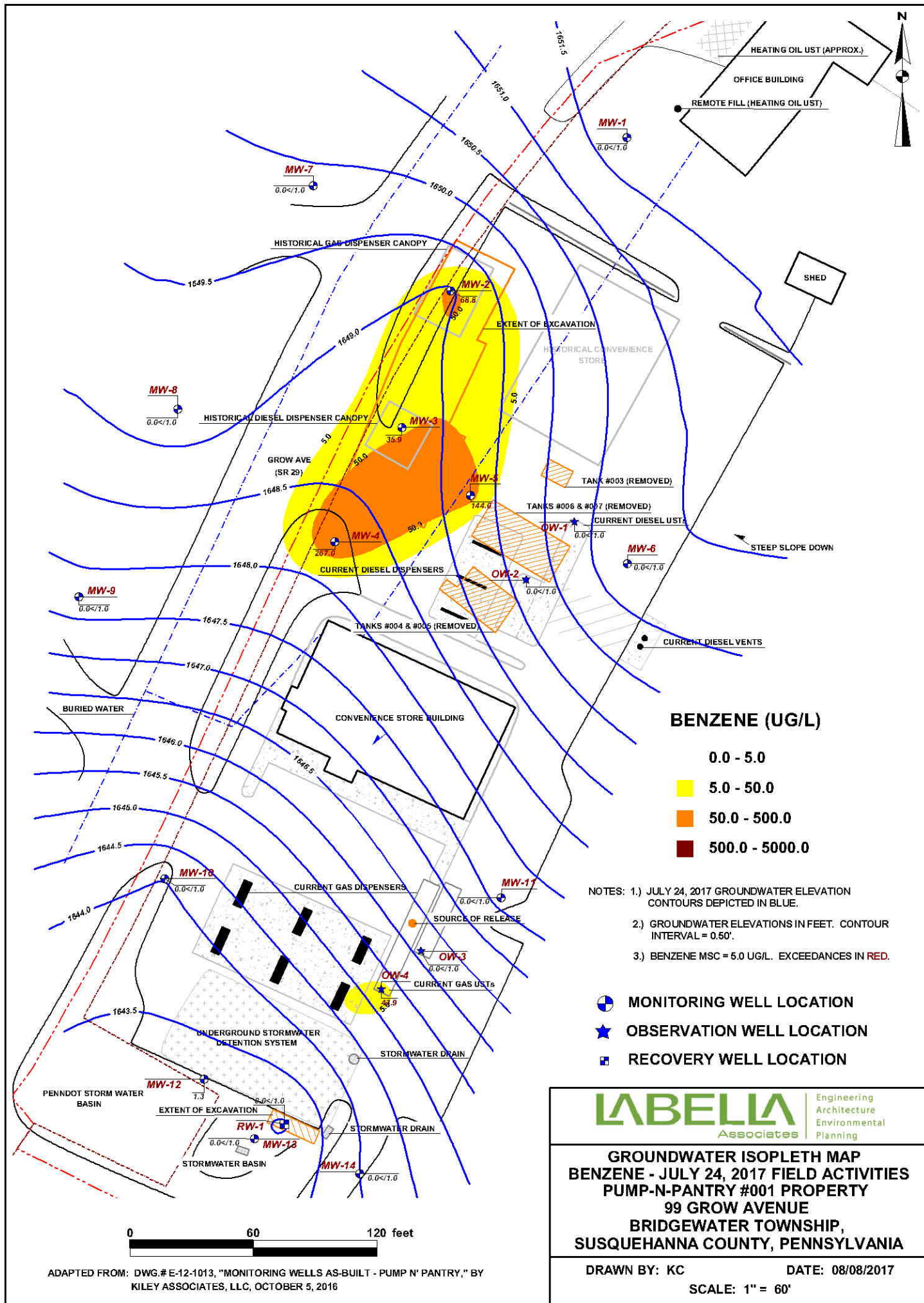
Groundwater Isopleth Maps

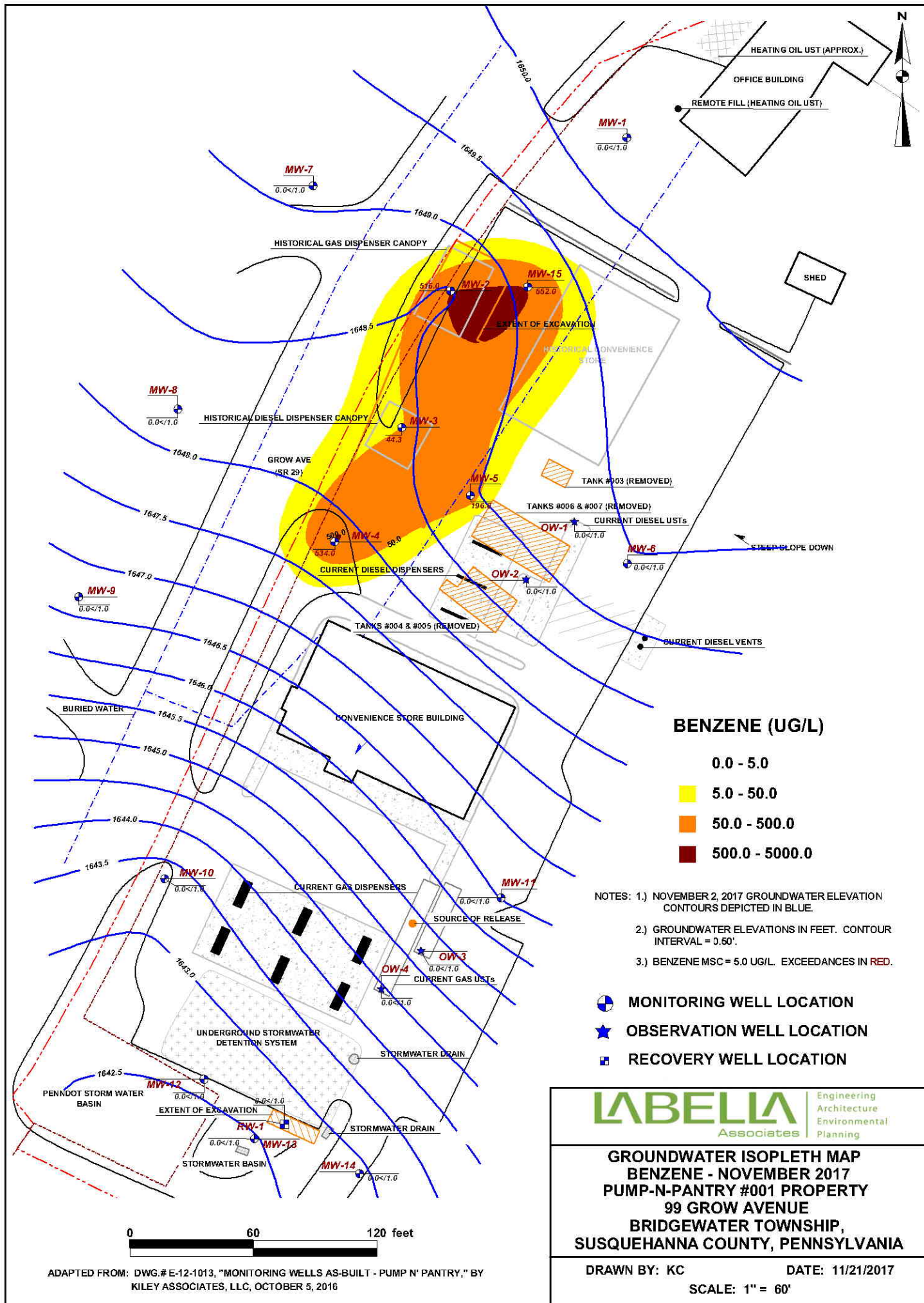


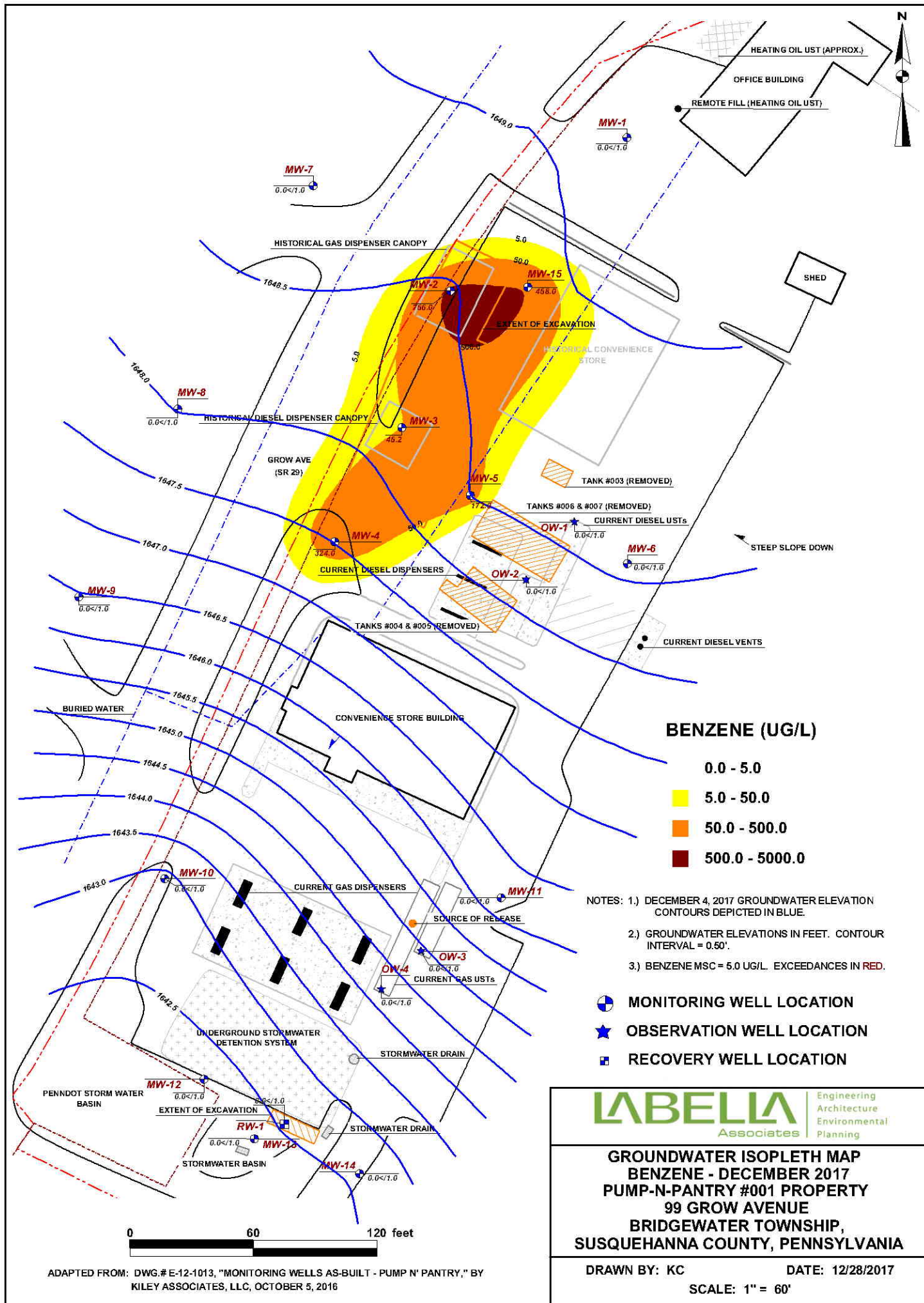


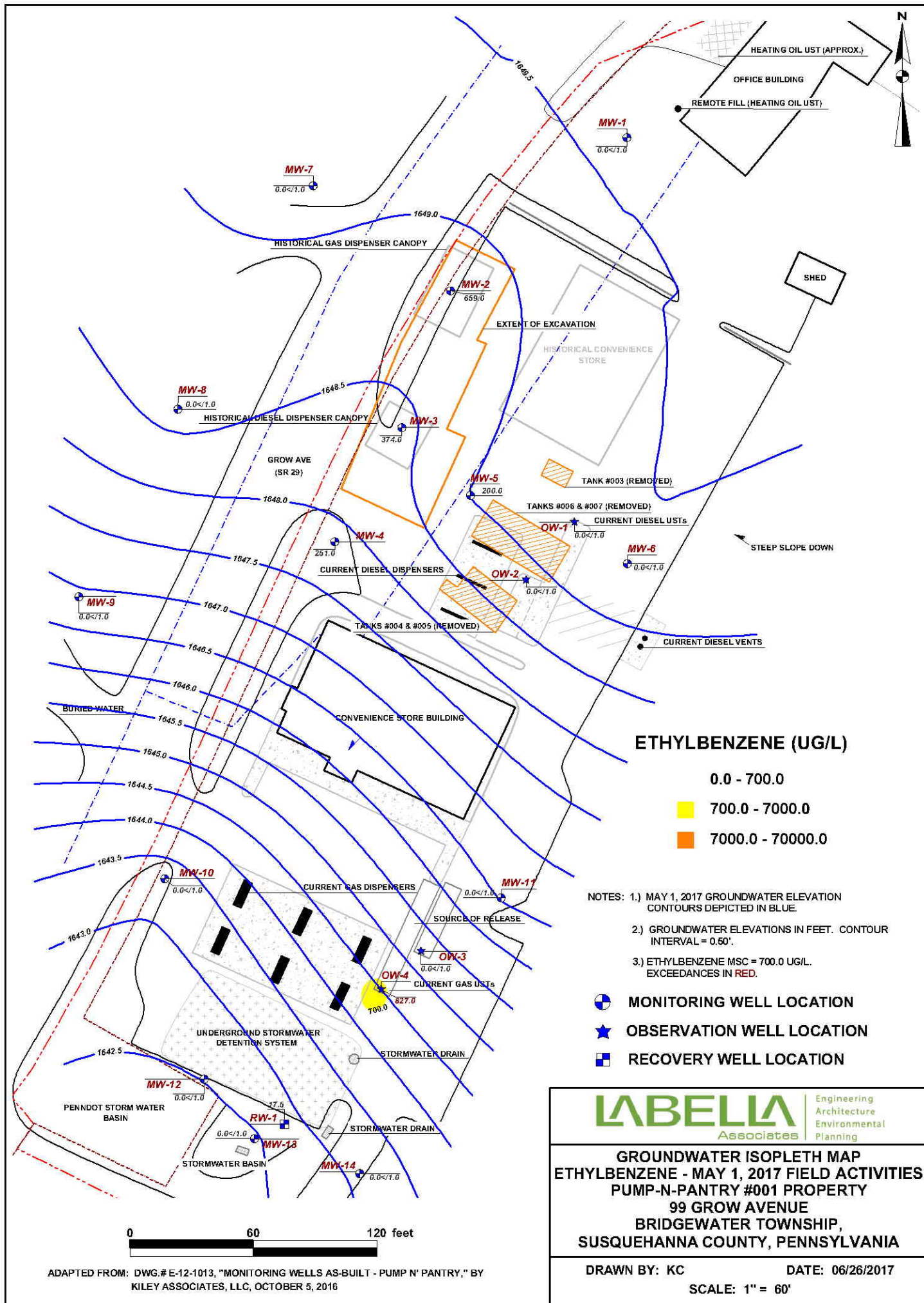


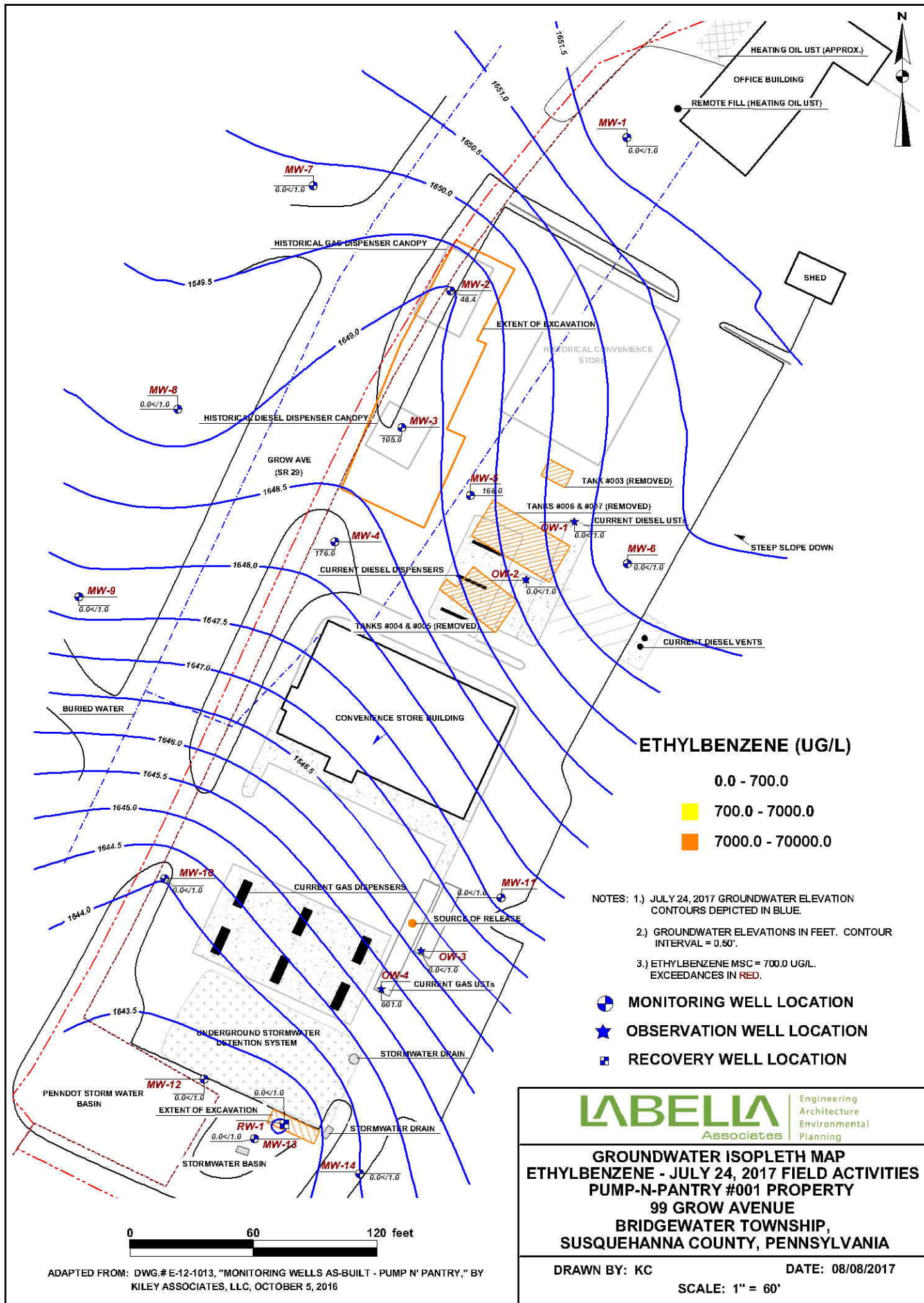


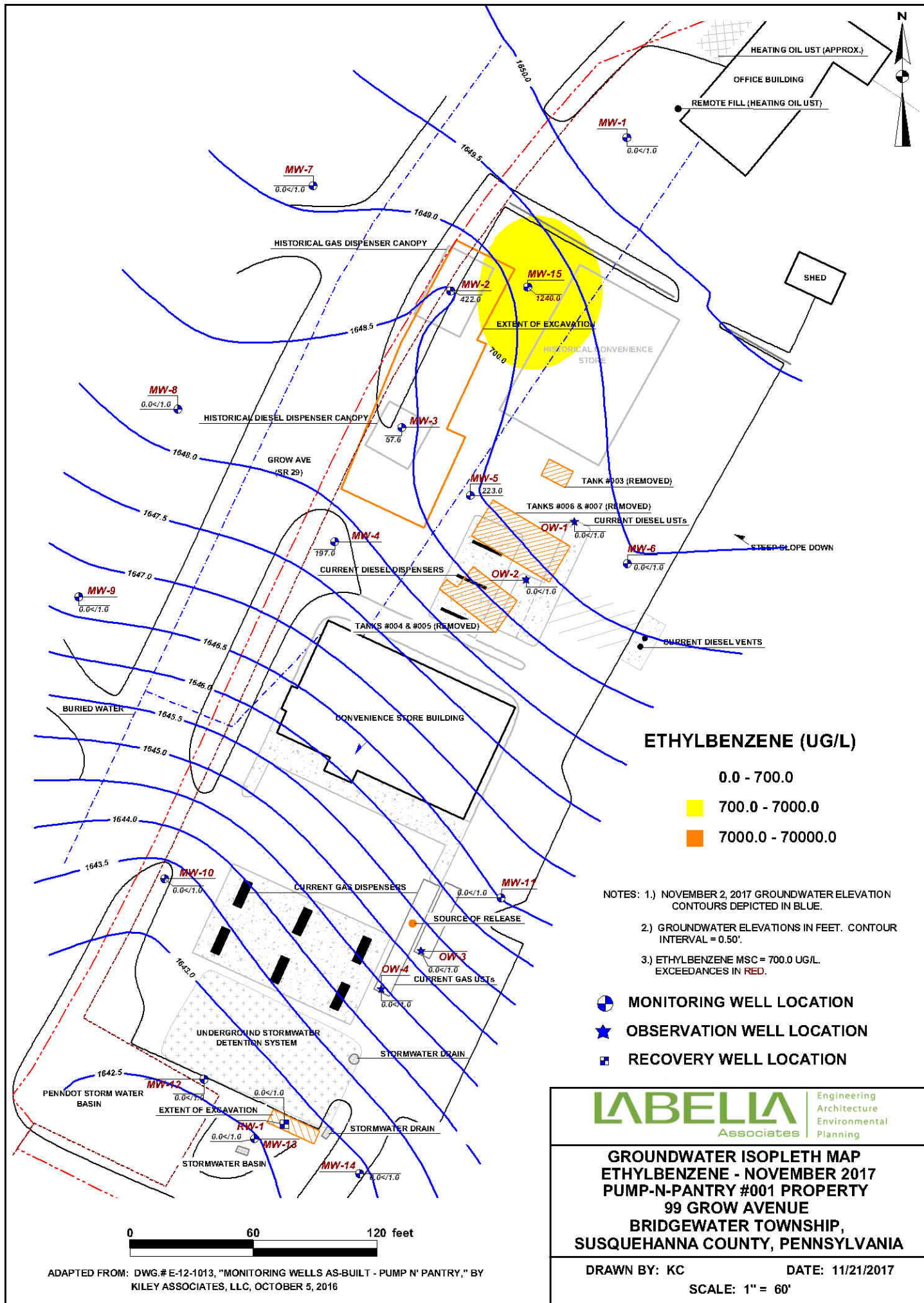


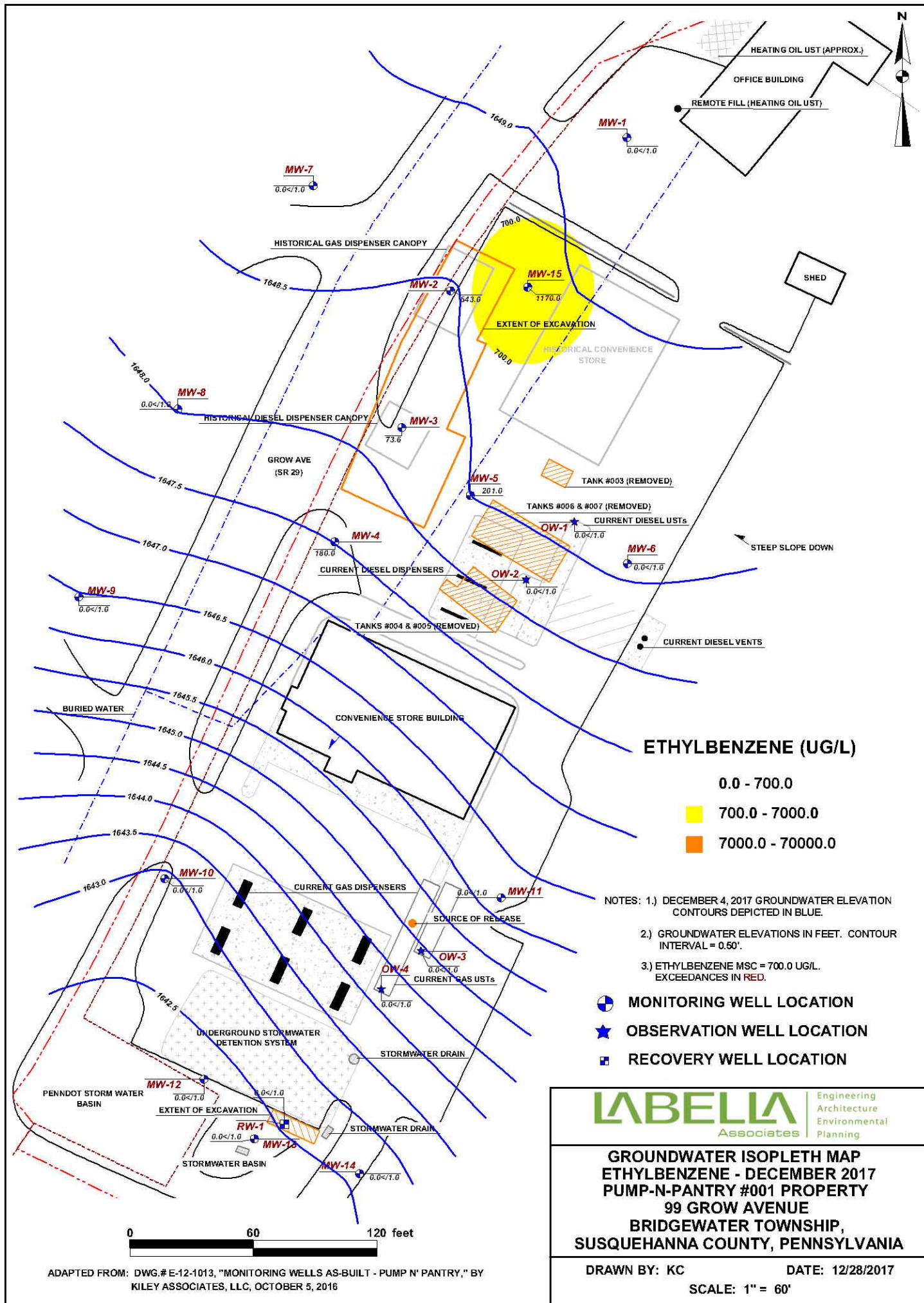


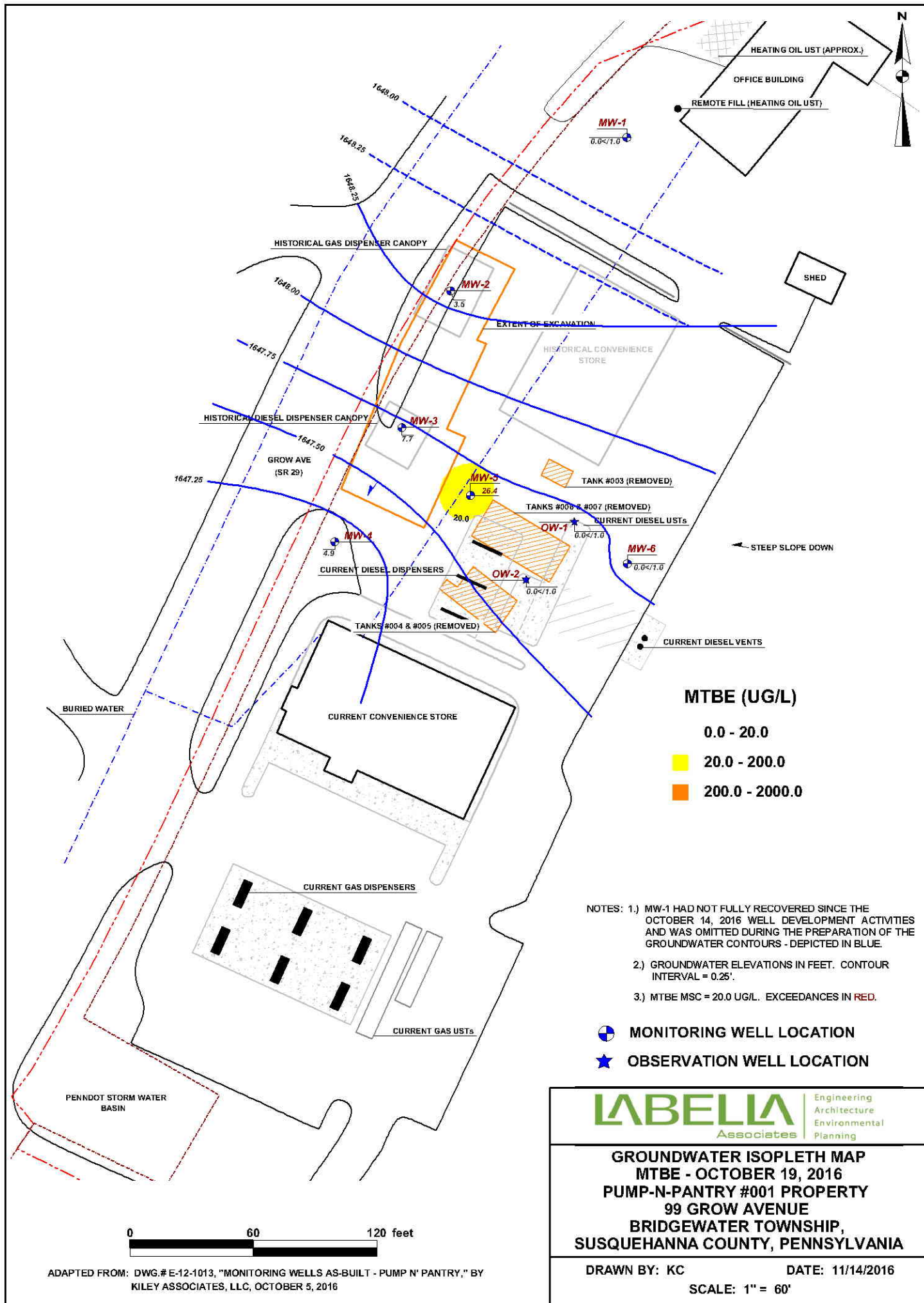


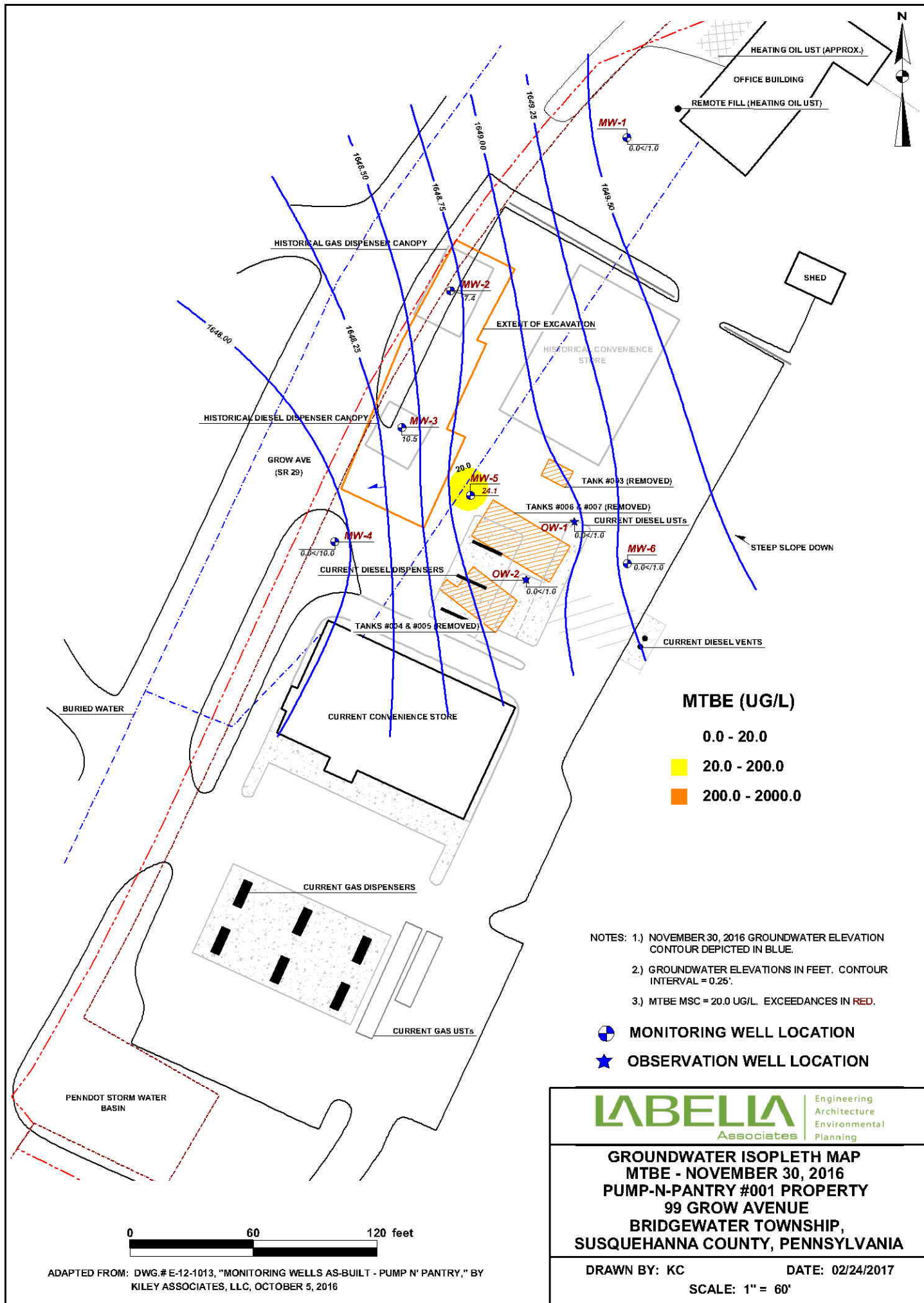


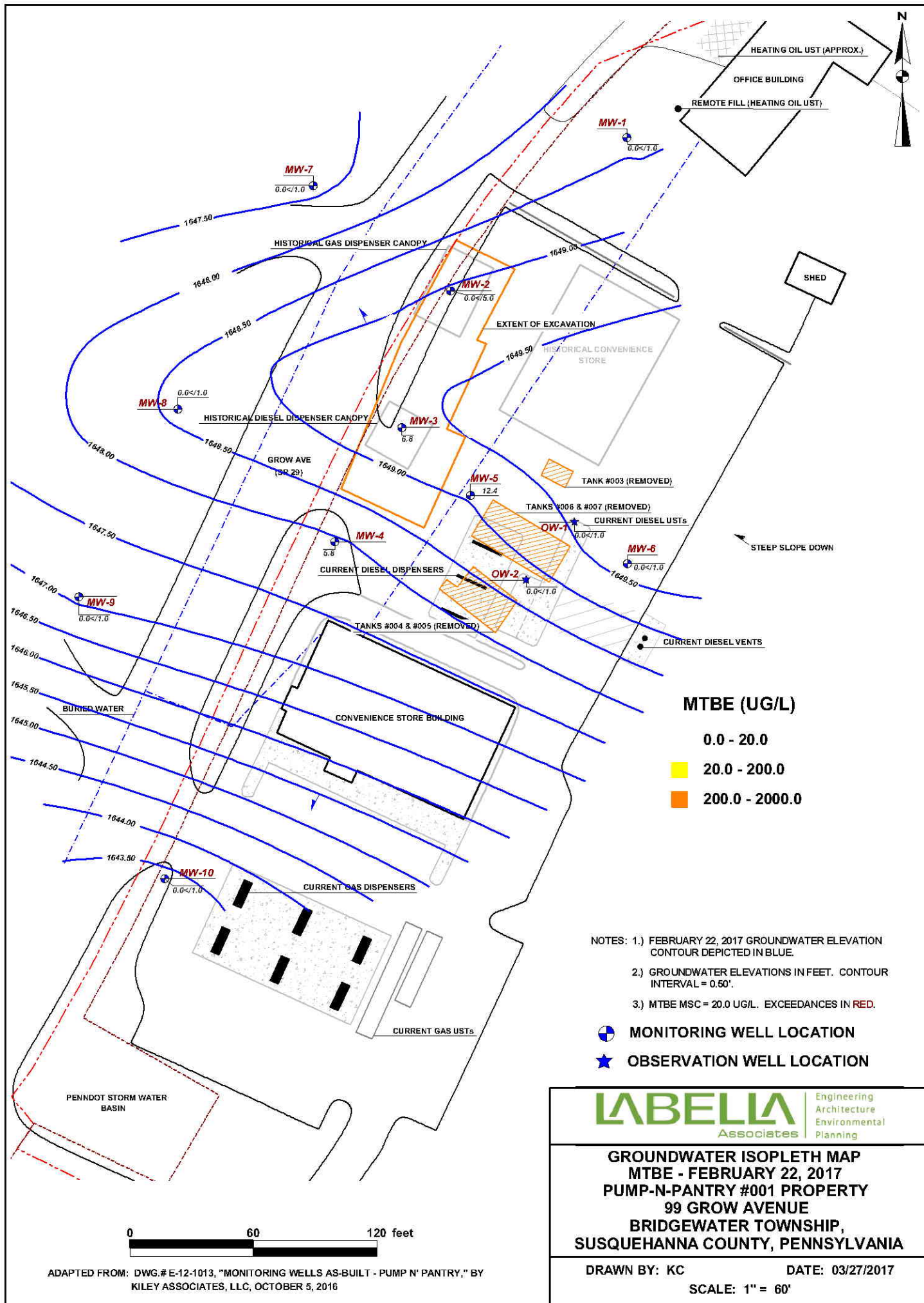


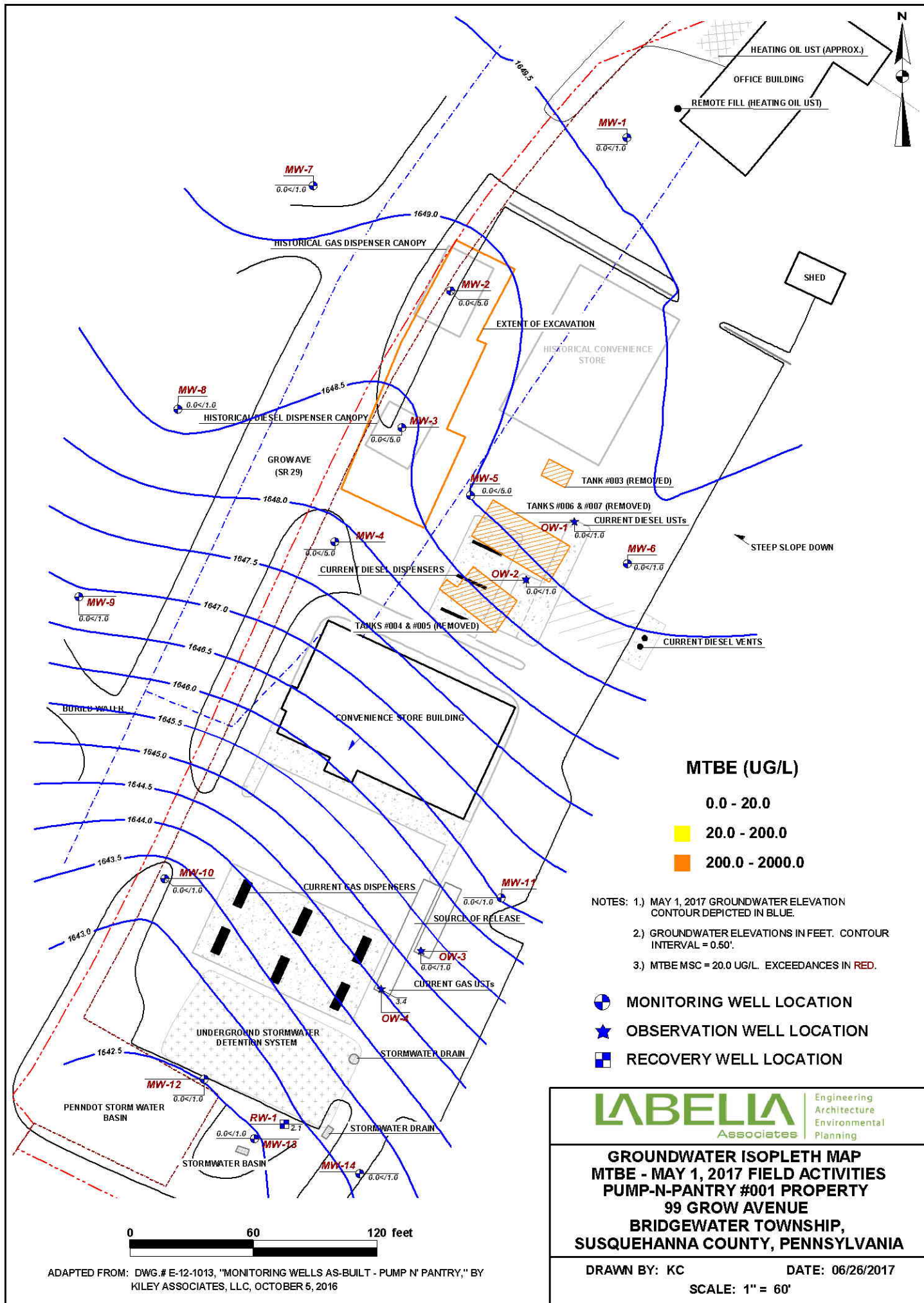


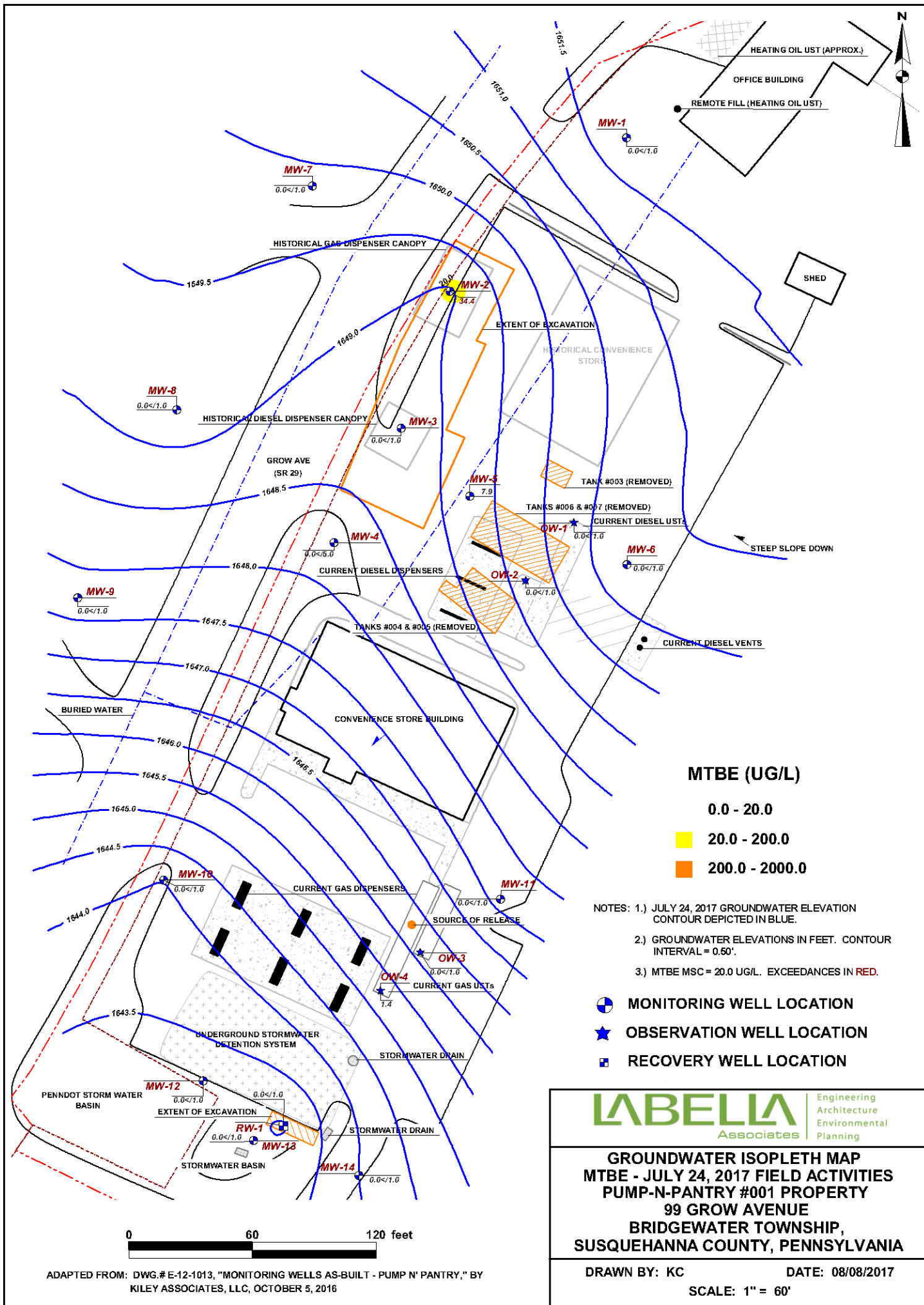


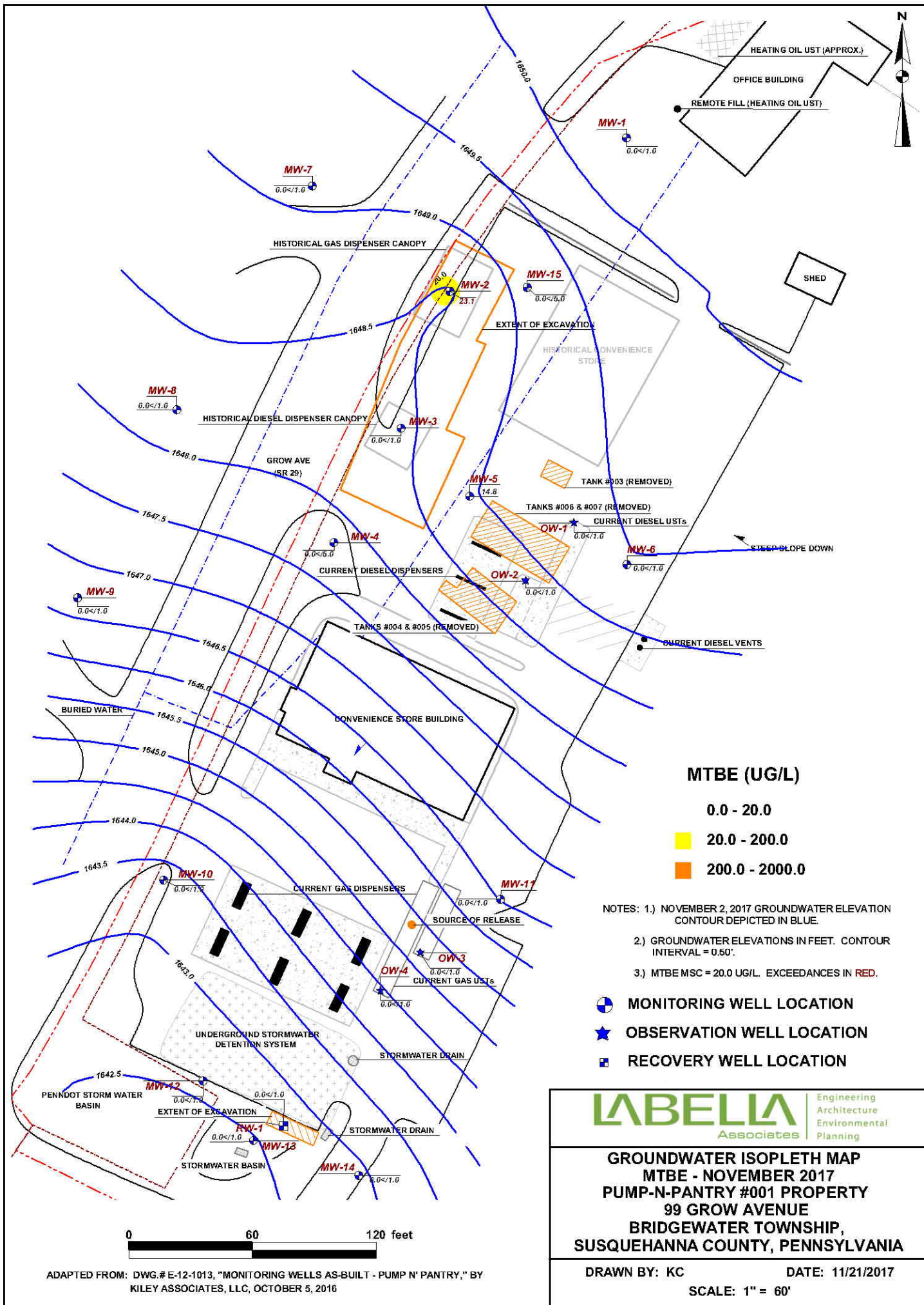


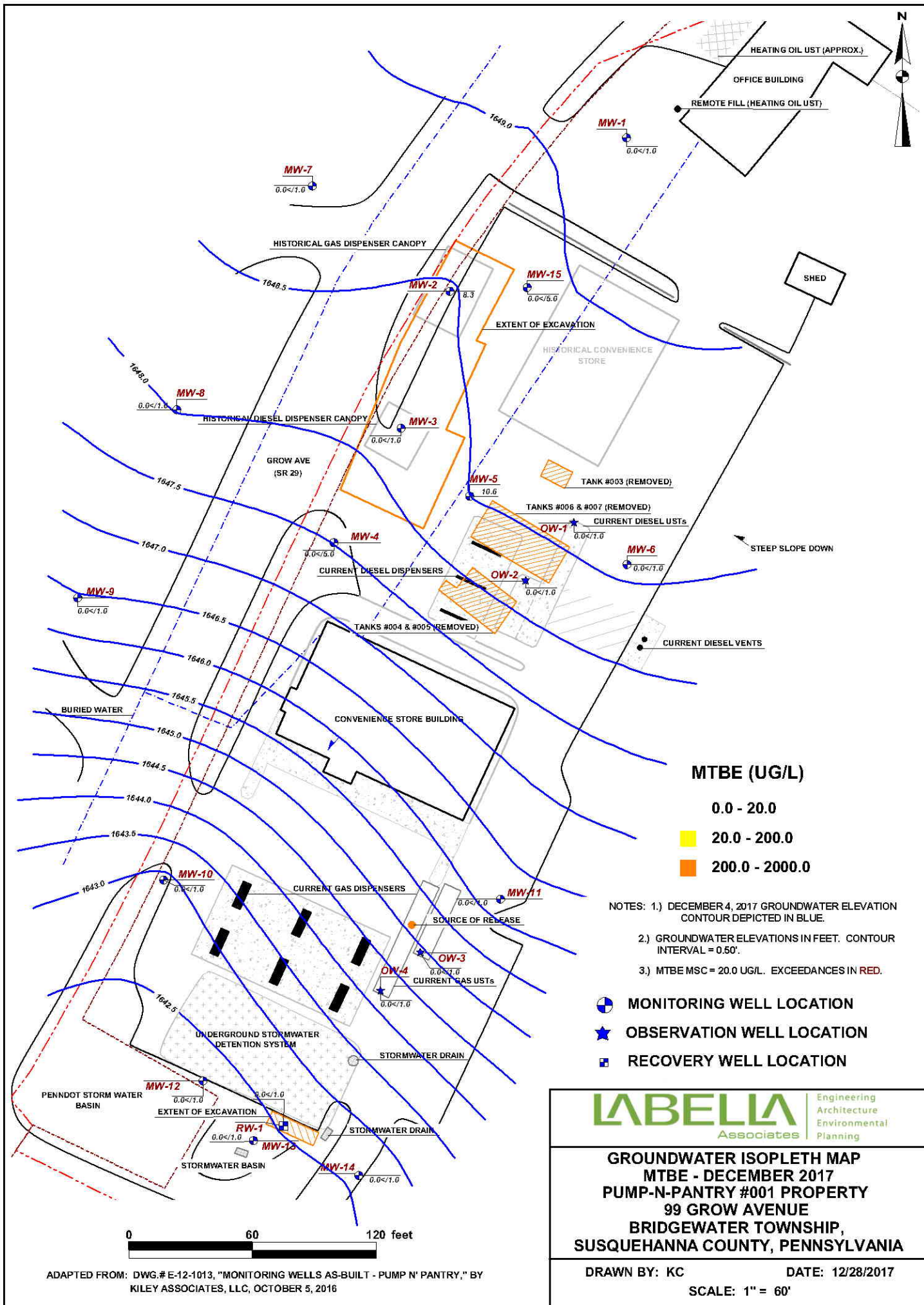


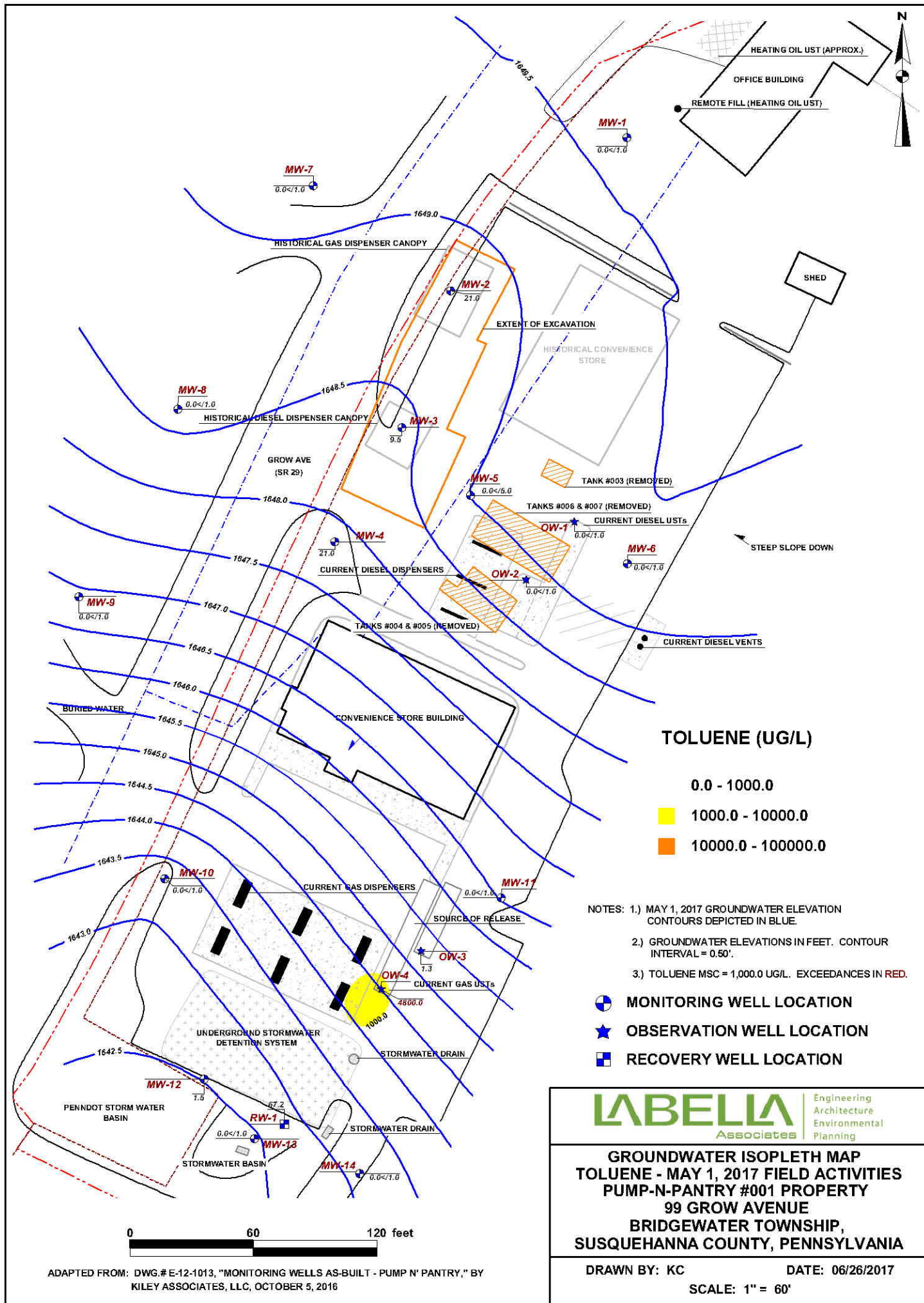


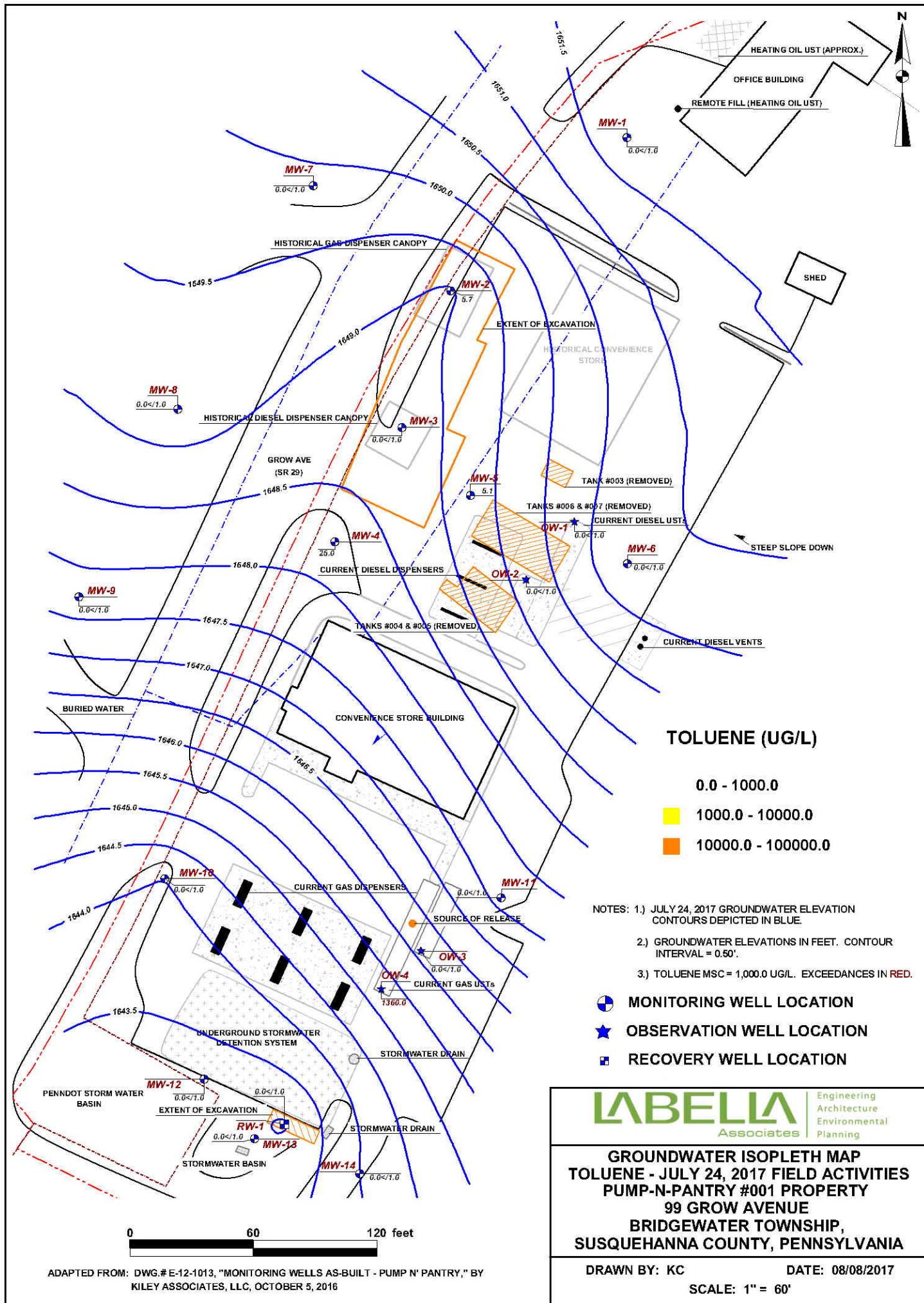


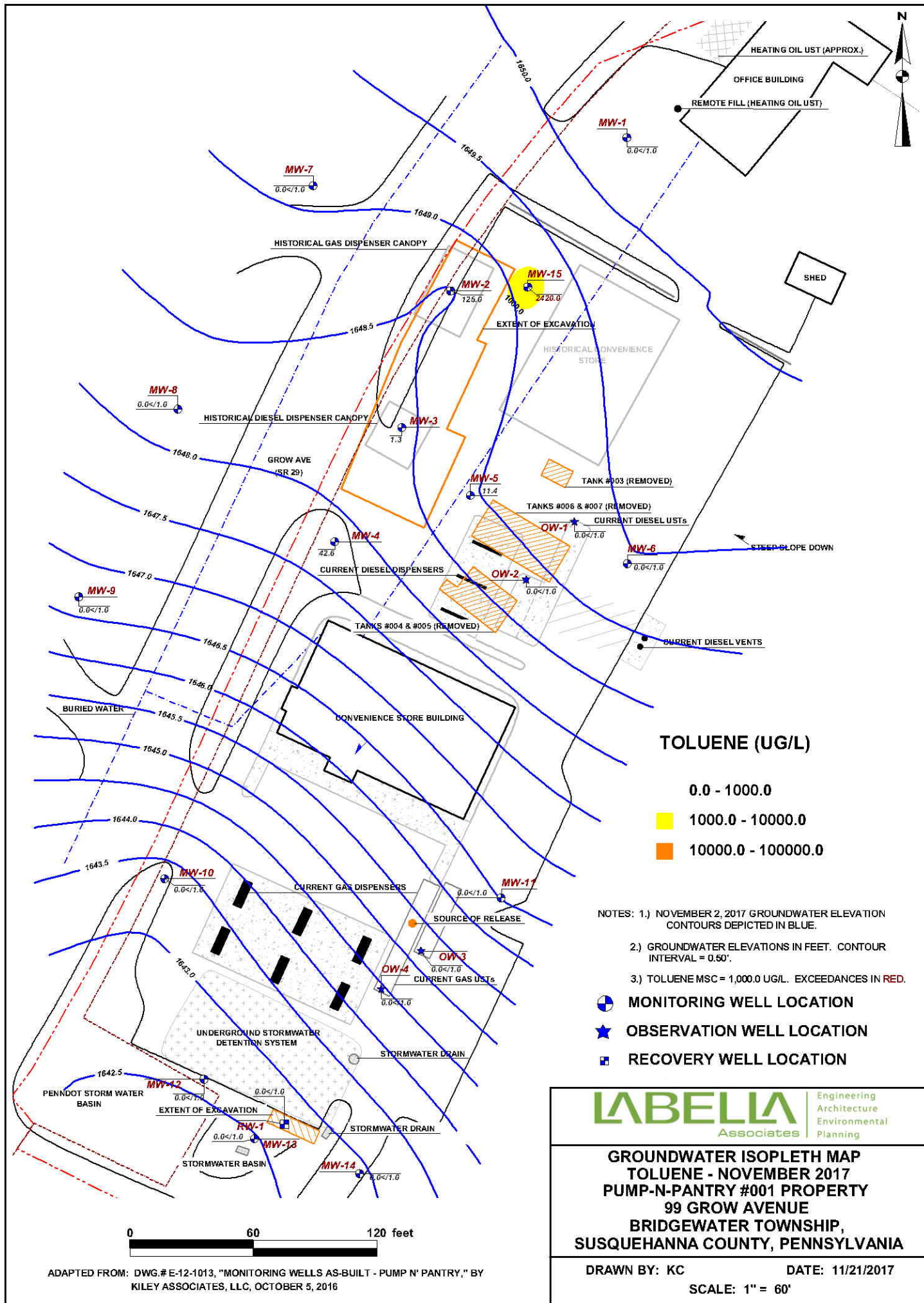


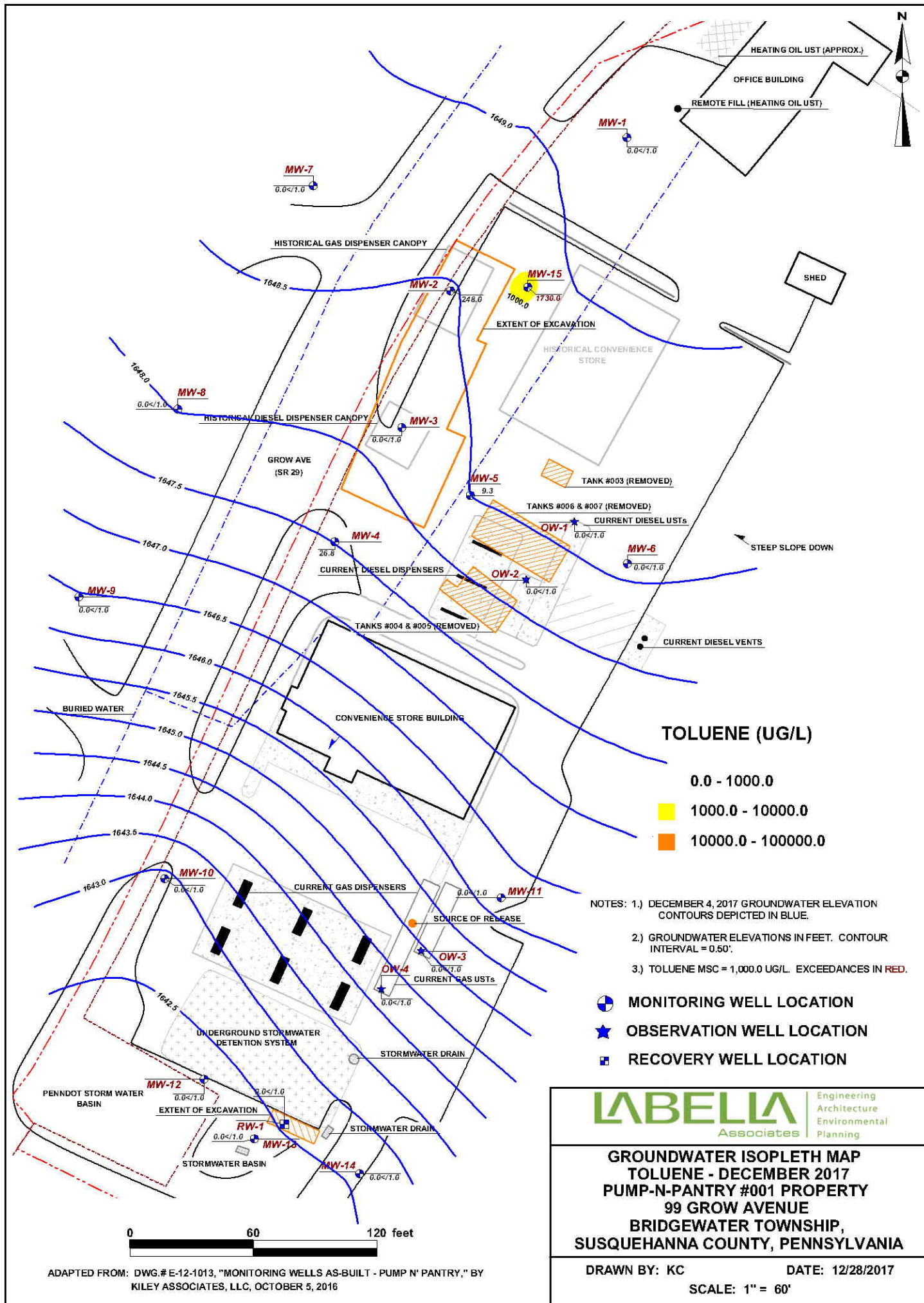


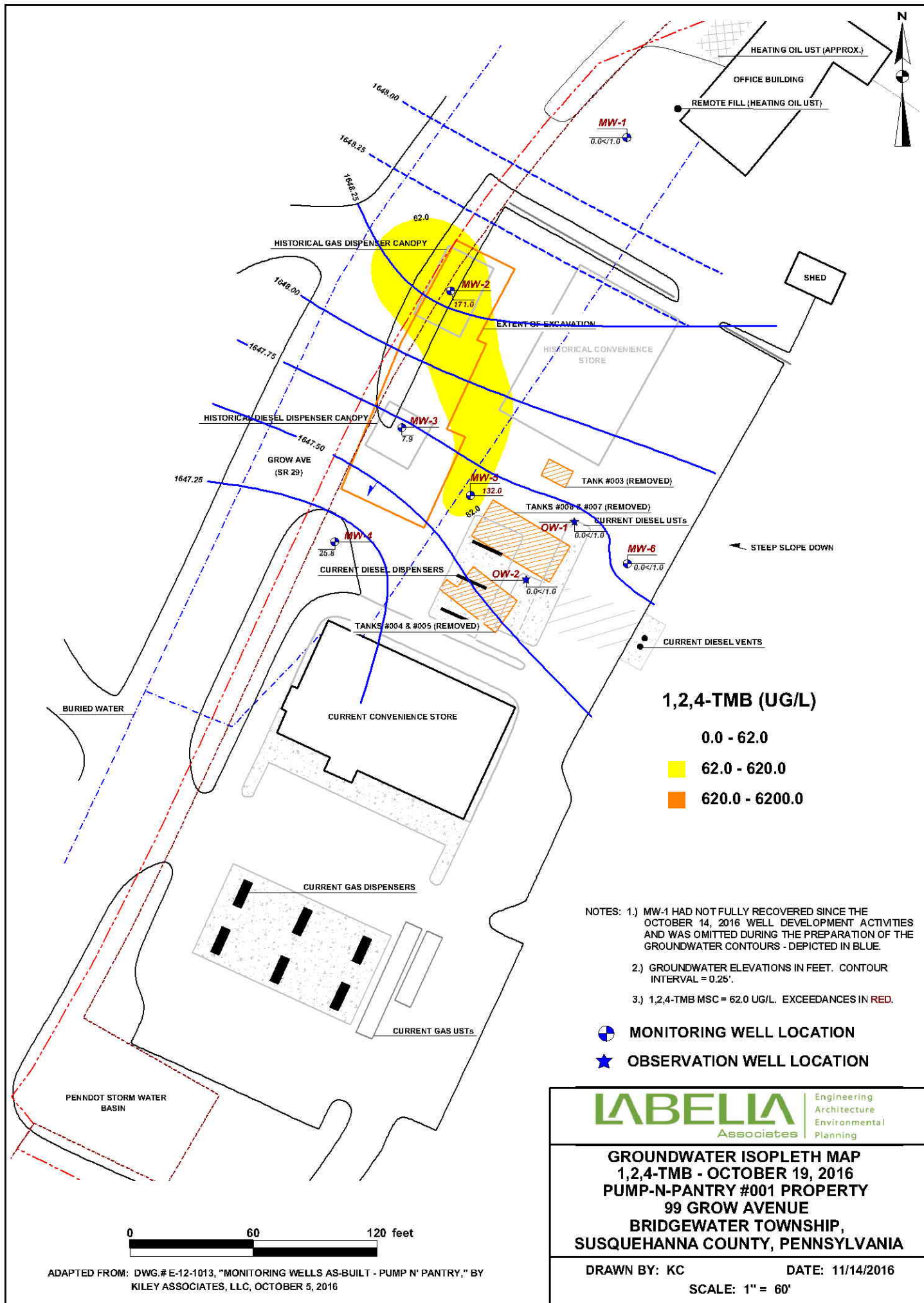


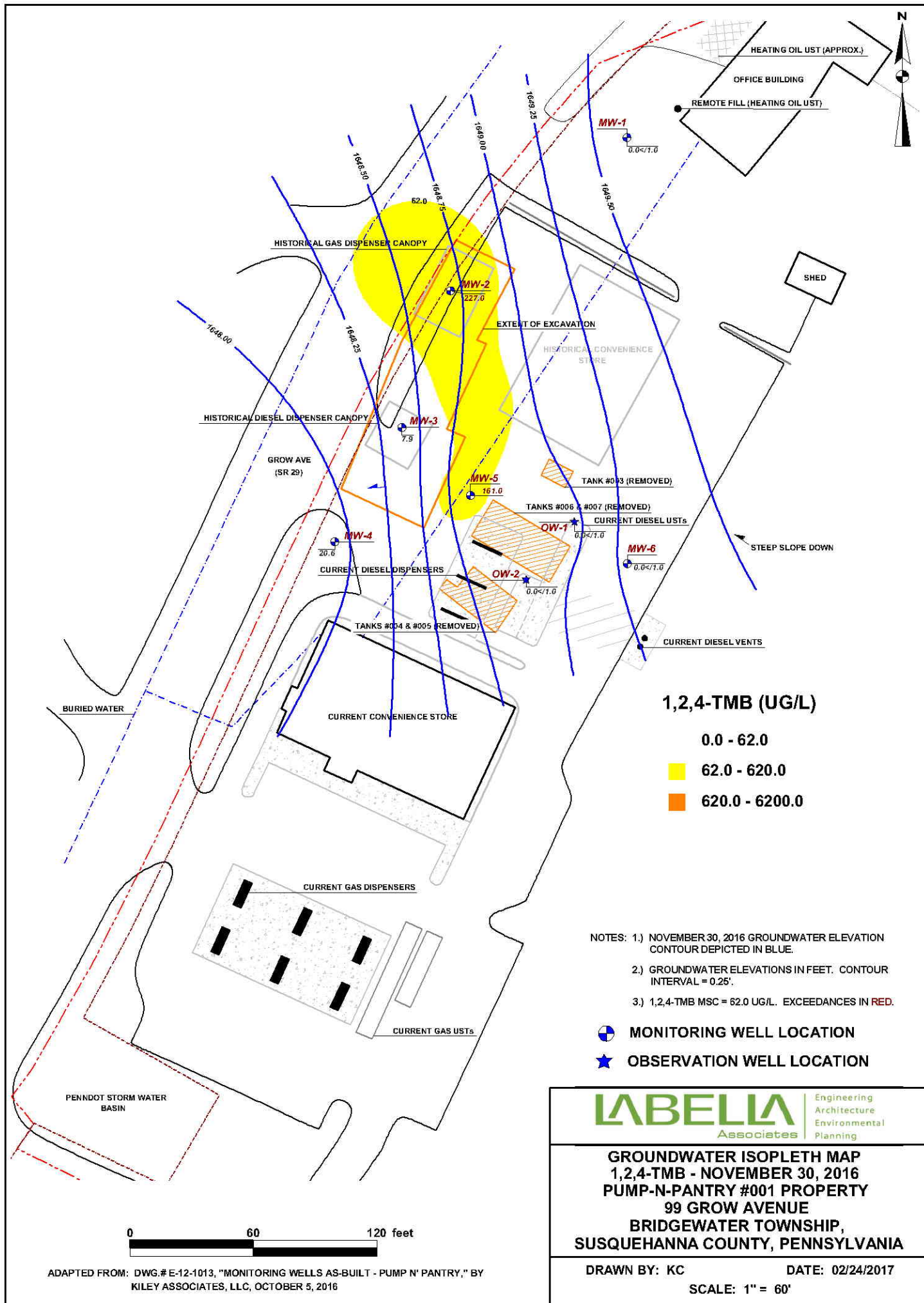


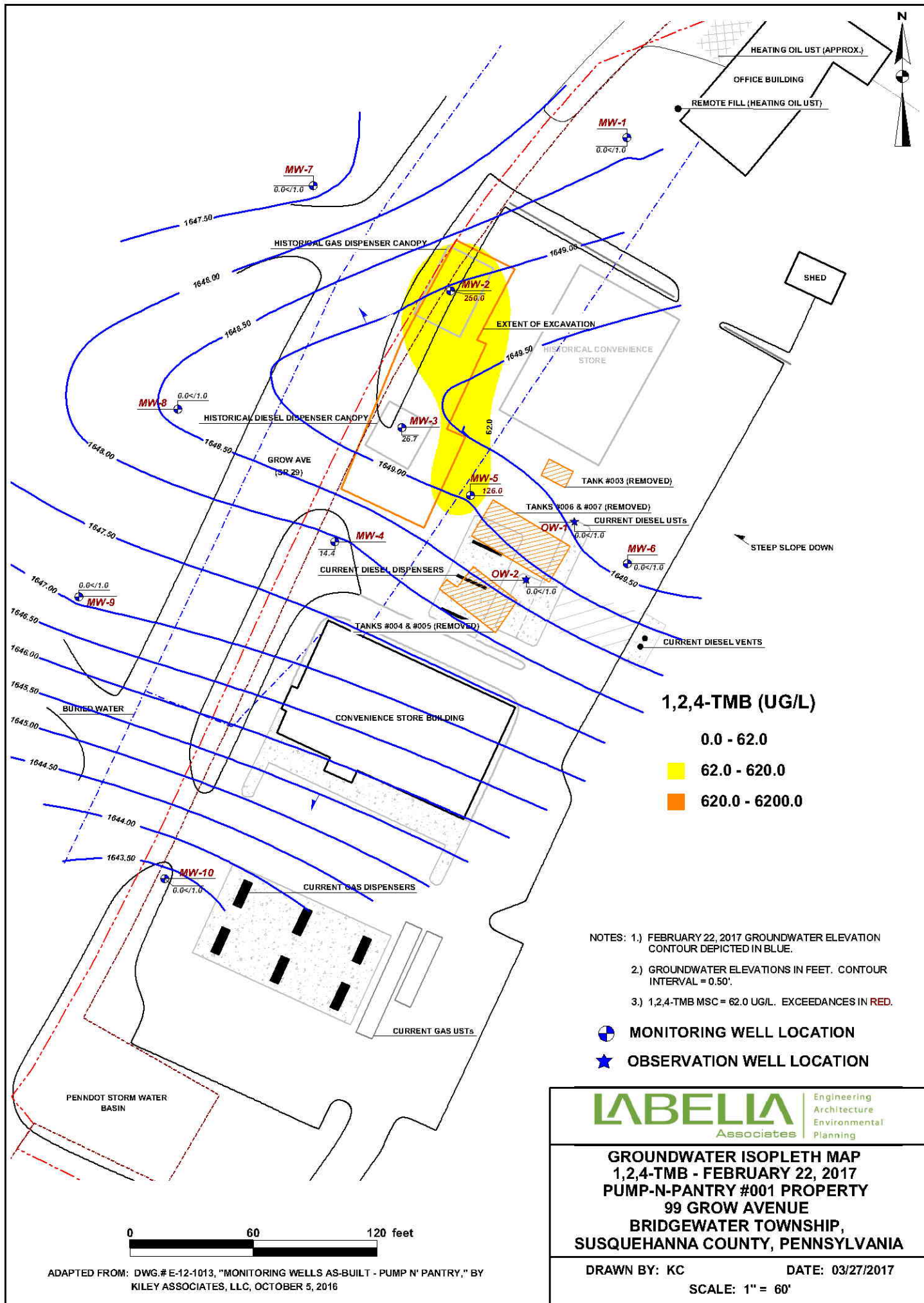


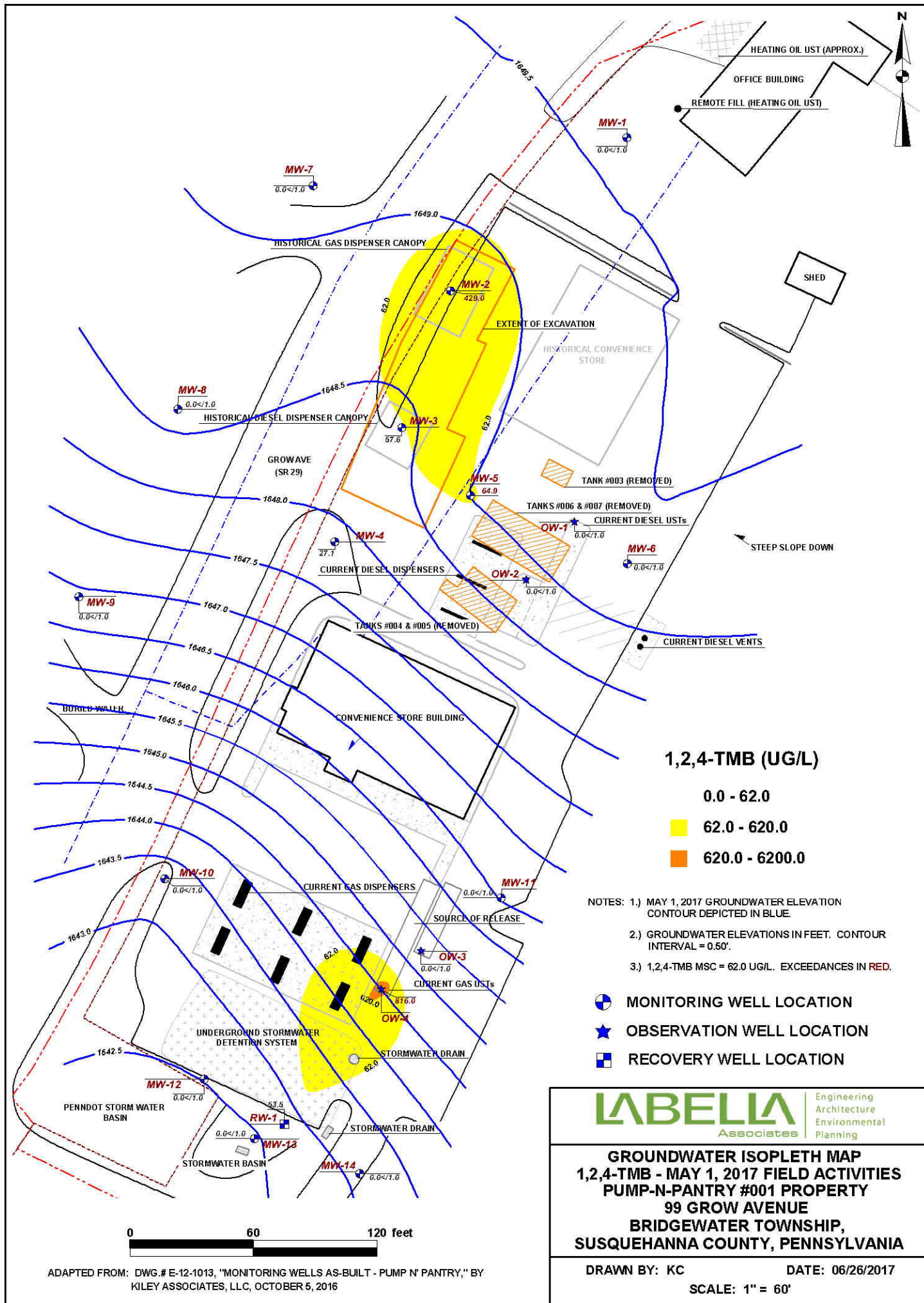


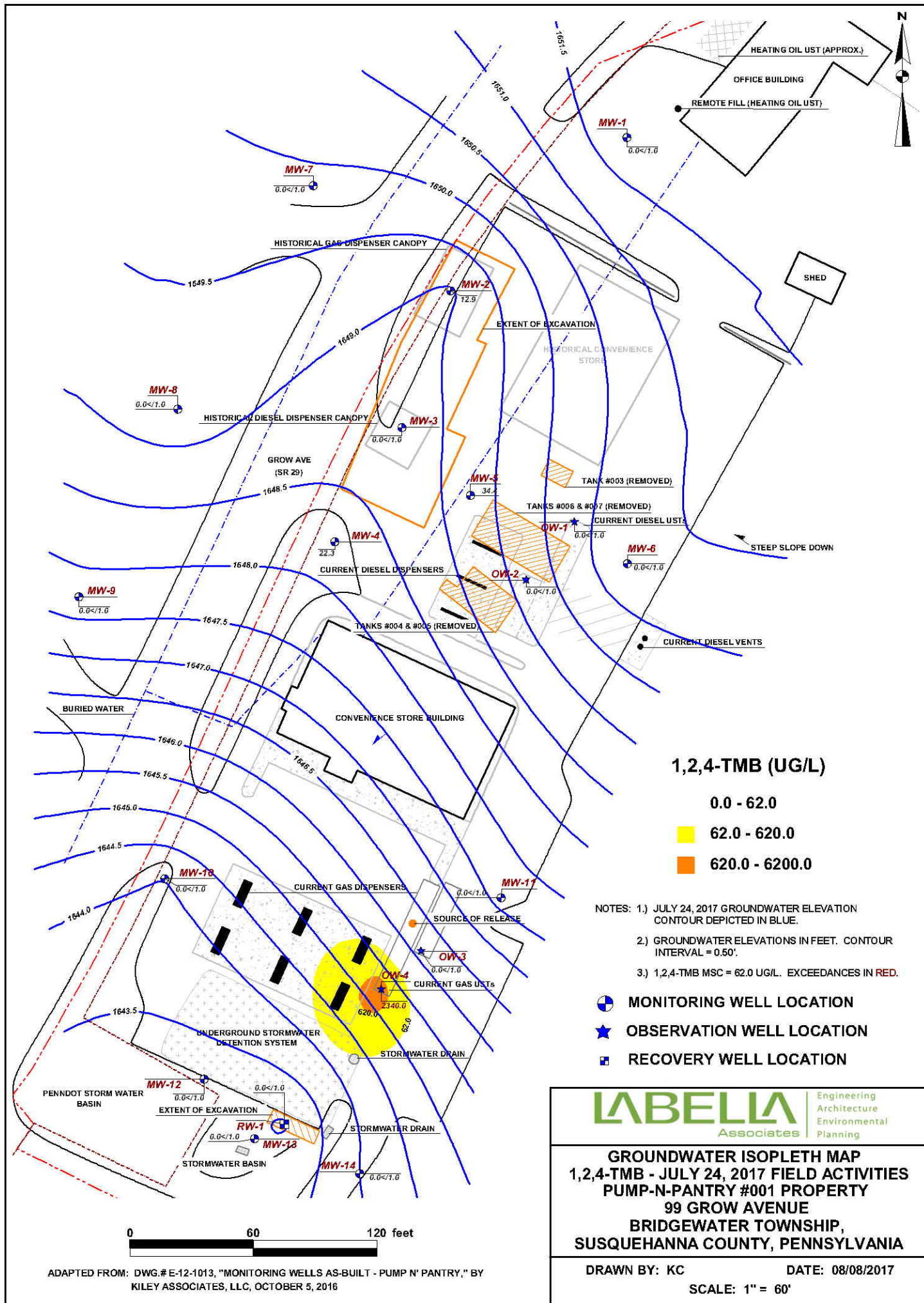


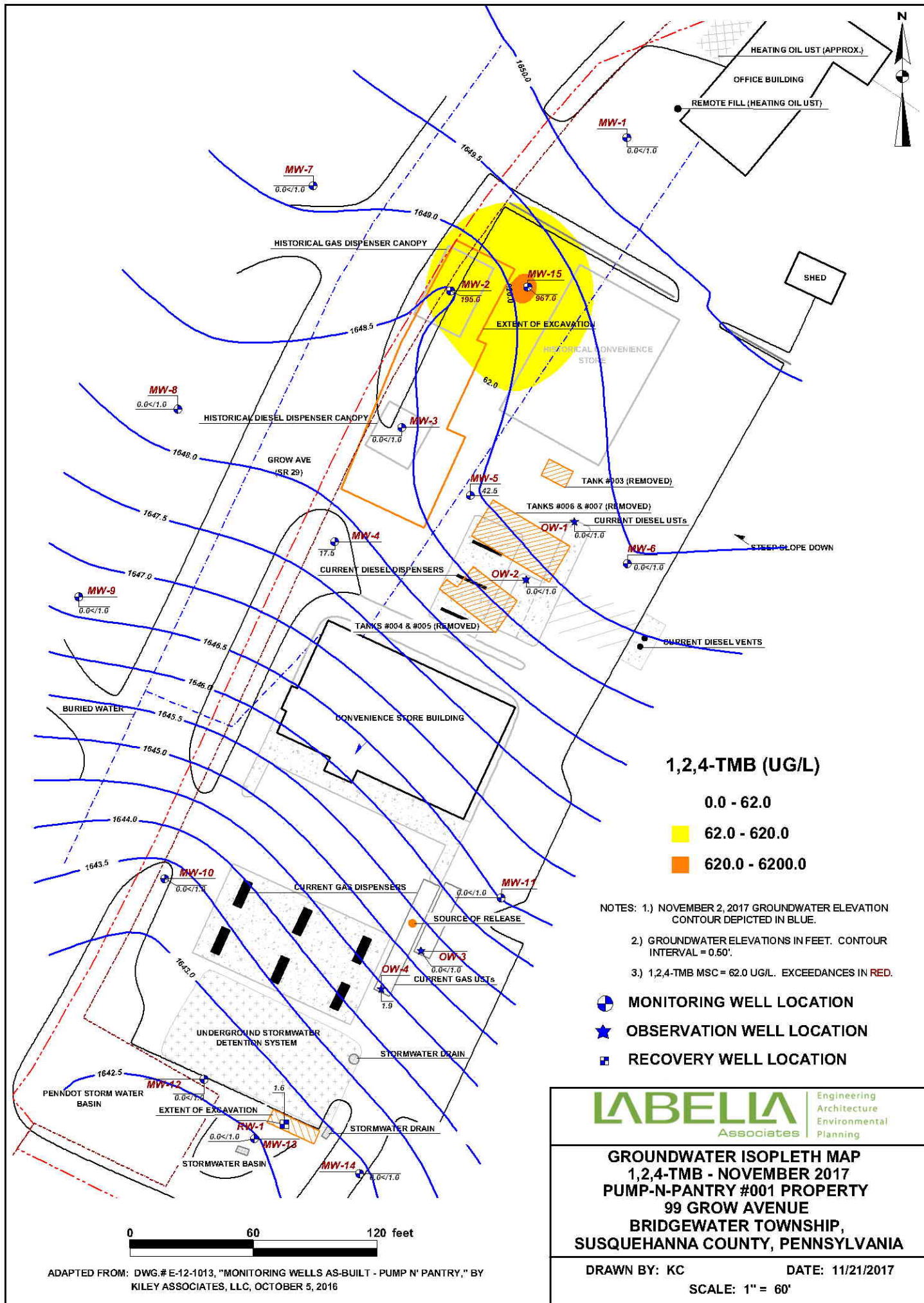


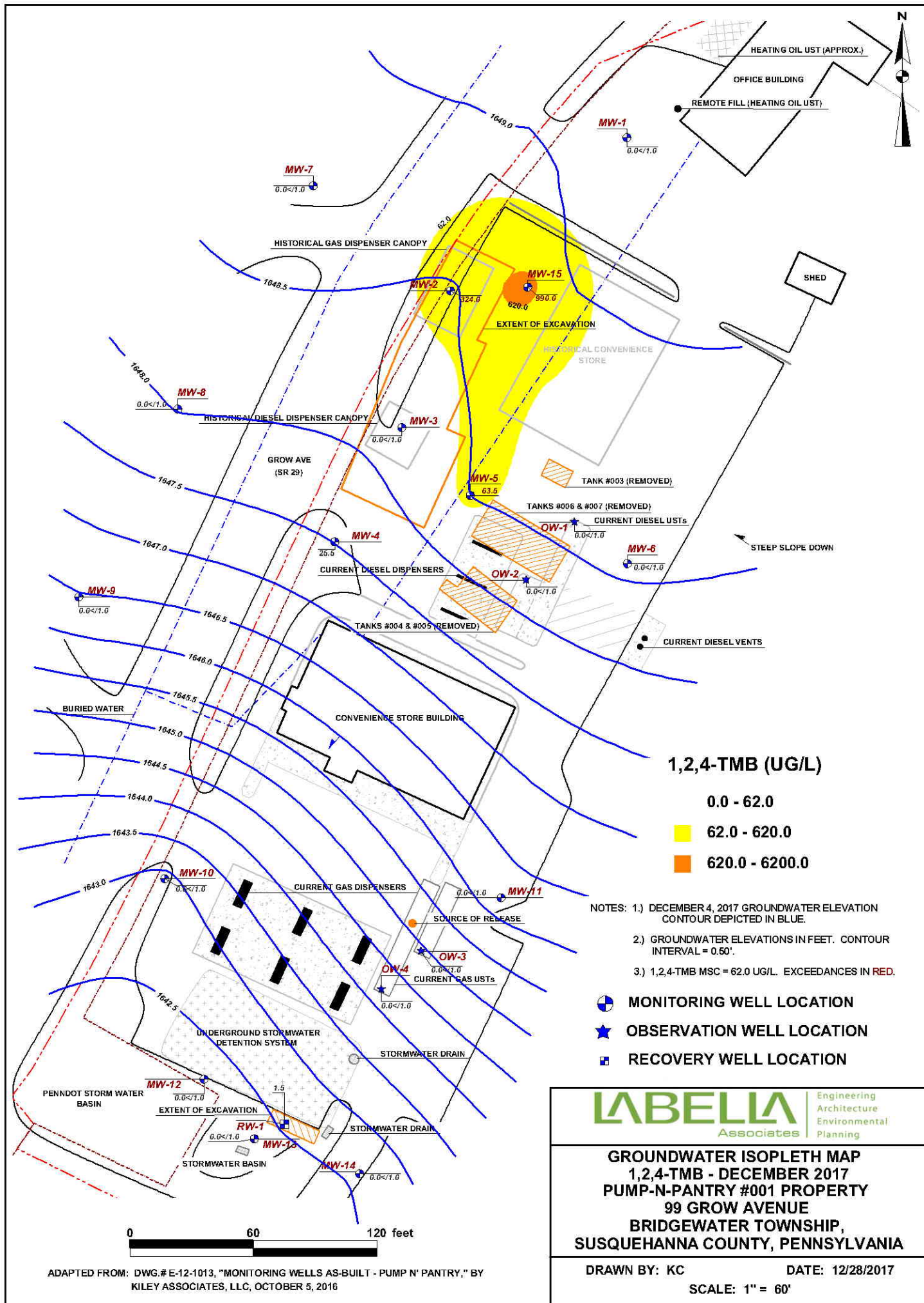












APPENDIX T

Comparison of Soil Analytical Data to PADEP VI Screening Values

01/05/18

Table T-1
UST Closure Activities
Pump-n-Pantry #001 Property
Soil Analytical Data vs. PADEP Screening Values (mg/kg)

Parameter	Montrose 1	Montrose 2	Montrose 3	Montrose 4	Montrose 5	Screening Value	Horizontal Proximity Distance
Sample Location	T-004 & T-005	T-004 & T-005	T-004 & T-005	T-004 & T-005	T-004 & T-005		
Depth	11.0' - 12.0'	11.0' - 12.0'	11.0' - 12.0'	11.0' - 12.0'	11.0' - 12.0'		
Distance to Nearest Building	46.0'	35.0'	30.0'	33.0'	52.0'		
% Moisture	Not Reported	Not Reported	Not Reported	Not Reported	Not Reported		
Sample Date	10/22/2015	10/22/2015	10/22/2015	10/22/2015	10/22/2015		
Benzene	<0.025	<0.025	<0.025	<0.025	<0.025	0.13	30.0'
Toluene	<0.025	<0.025	<0.025	<0.025	<0.025	44.0	30.0'
Ethylbenzene	0.082	<0.025	<0.025	<0.025	<0.025	46.0	30.0'
Xylenes (Total)	<0.075	<0.075	<0.075	<0.075	<0.075	990.0	30.0'
Isopropylbenzene (Cumene)	0.49	<0.025	<0.025	<0.025	<0.025	2,500.0	30.0'
MTBE	<0.050	<0.050	<0.050	<0.050	<0.050	1.4	100.0'
Naphthalene	2.6	0.041	<0.025	<0.025	<0.025	25.0	30.0'
1,2,4-Trimethylbenzene	0.74	<0.025	<0.025	<0.025	<0.025	35.0	30.0'
1,3,5-Trimethylbenzene	<0.025	<0.025	<0.025	<0.025	<0.025	210.0	30.0'

Non-Residential Soil Statewide Health Standard Screening Values Included in Table 2 of the Land Recycling Program Technical Guidance Manual for Vapor Intrusion into Buildings from Groundwater and Soil under Act 2 (Document #261-0300-101) dated January 18, 2017.

Shaded values indicate Exceedance of the Screening Values within applicable Horizontal Proximity Distance

01/05/18

Table T-1
UST Closure Activities
Pump-n-Pantry #001 Property
Soil Analytical Data vs. PADEP Screening Values (mg/kg)

Parameter	Montrose 6	Montrose 7	Montrose 8	Montrose 9	Montrose 10	Screening Value	Horizontal Proximity Distance
Sample Location	T-004 & T-005	T-004 & T-005	T-004 & T-005	T-006 & T-007	T-006 & T-007		
Depth	11.0' - 12.0'	11.0' - 12.0'	11.0' - 12.0'	11.0' - 12.0'	11.0' - 12.0'		
Distance to Nearest Building	56.0'	52.0'	41.0'	91.0'	78.0'		
% Moisture	Not Reported	Not Reported	Not Reported	Not Reported	Not Reported		
Sample Date	10/22/2015	10/22/2015	10/22/2015	10/22/2015	10/22/2015		
Benzene	<0.025	<0.025	<0.025	<0.025	0.014	0.13	30.0'
Toluene	<0.025	<0.025	0.44	<0.025	0.012	44.0	30.0'
Ethylbenzene	<0.025	<0.025	<0.025	<0.025	0.0076	46.0	30.0'
Xylenes (Total)	<0.075	<0.075	<0.900	<0.075	<0.015	990.0	30.0'
Isopropylbenzene (Cumene)	<0.025	<0.025	<0.025	<0.025	0.028	2,500.0	30.0'
MTBE	<0.050	<0.050	<0.050	<0.050	<0.050	1.4	100.0'
Naphthalene	<0.025	0.085	0.31	<0.025	1.2	25.0	30.0'
1,2,4-Trimethylbenzene	<0.025	<0.025	0.87	<0.025	<0.300	35.0	30.0'
1,3,5-Trimethylbenzene	<0.025	<0.025	<0.025	<0.025	<0.005	210.0	30.0'

Non-Residential Soil Statewide Health Standard Screening Values Included in Table 2 of the Land Recycling Program Technical Guidance Manual for Vapor Intrusion into Buildings from Groundwater and Soil under Act 2 (Document #261-0300-101) dated January 18, 2017.

Shaded values indicate Exceedance of the Screening Values within applicable Horizontal Proximity Distance

01/05/18

Table T-1
UST Closure Activities
Pump-n-Pantry #001 Property
Soil Analytical Data vs. PADEP Screening Values (mg/kg)

Parameter	Montrose 11	Montrose 12	Montrose 13	Montrose 14	Montrose 15	Screening Value	Horizontal Proximity Distance
Sample Location	T-006 & T-007	T-006 & T-007	T-006 & T-007	T-006 & T-007	T-006 & T-007		
Depth	11.0' - 12.0'	11.0' - 12.0'	11.0' - 12.0'	11.0' - 12.0'	11.0' - 12.0'		
Distance to Nearest Building	71.0'	73.0'	81.0'	92.0'	100.0'		
% Moisture	Not Reported	Not Reported	Not Reported	Not Reported	Not Reported		
Sample Date	10/22/2015	10/22/2015	10/22/2015	10/22/2015	10/22/2015		
Benzene	<0.025	1.2	<0.025	1.1	<0.025	0.13	30.0'
Toluene	<0.025	0.017	<0.025	<0.025	<0.025	44.0	30.0'
Ethylbenzene	<0.025	0.027	<0.025	<0.025	<0.025	46.0	30.0'
Xylenes (Total)	<0.075	0.086	<0.075	<0.075	<0.075	990.0	30.0'
Isopropylbenzene (Cumene)	<0.025	0.035	0.110	0.029	0.52	2,500.0	30.0'
MTBE	<0.050	<0.010	<0.050	<0.050	<0.050	1.4	100.0'
Naphthalene	0.070	0.33	0.095	0.91	2.8	25.0	30.0'
1,2,4-Trimethylbenzene	<0.025	<0.025	0.200	0.784	<0.300	35.0	30.0'
1,3,5-Trimethylbenzene	<0.025	0.0061	0.066	<0.025	<0.025	210.0	30.0'

Non-Residential Soil Statewide Health Standard Screening Values Included in Table 2 of the Land Recycling Program Technical Guidance Manual for Vapor Intrusion into Buildings from Groundwater and Soil under Act 2 (Document #261-0300-101) dated January 18, 2017.

Shaded values indicate Exceedance of the Screening Values within applicable Horizontal Proximity Distance

01/05/18

Table T-1
UST Closure Activities
Pump-n-Pantry #001 Property
Soil Analytical Data vs. PADEP Screening Values (mg/kg)

Parameter	Montrose 16	Montrose 17	Montrose 18	Montrose 19	Montrose 20	Screening Value	Horizontal Proximity Distance
Sample Location	T-006 & T-007	T-003	T-003	T-003	Diesel Pump		
Depth	11.0' - 12.0'	11.0' - 12.0'	11.0' - 12.0'	11.0' - 12.0'	4.0'		
Distance to Nearest Building	98.0'	113.0'	113.0'	114.0'	96.0'		
% Moisture	Not Reported	Not Reported	Not Reported	Not Reported	Not Reported		
Sample Date	10/22/2015	10/22/2015	10/22/2015	10/22/2015	10/22/2015		
Benzene	0.41	0.36	0.61	0.92	<0.025	0.13	30.0'
Toluene	<0.025	<0.025	<0.025	<0.400	0.1	44.0	30.0'
Ethylbenzene	<0.025	0.026	0.51	0.66	1.8	46.0	30.0'
Xylenes (Total)	<0.075	<0.075	1.7	1.7	2.3	990.0	30.0'
Isopropylbenzene (Cumene)	<0.025	0.38	<0.025	0.6	1.0	2,500.0	30.0'
MTBE	<0.050	<0.050	<0.050	<0.050	<0.050	1.4	100.0'
Naphthalene	0.885	1.0	0.73	2.6	<6.3	25.0	30.0'
1,2,4-Trimethylbenzene	<0.025	<0.600	0.72	0.5	<6.3	35.0	30.0'
1,3,5-Trimethylbenzene	<0.025	0.047	<0.025	<0.400	4.7	210.0	30.0'

Non-Residential Soil Statewide Health Standard Screening Values Included in Table 2 of the Land Recycling Program Technical Guidance Manual for Vapor Intrusion into Buildings from Groundwater and Soil under Act 2 (Document #261-0300-101) dated January 18, 2017.

Shaded values indicate Exceedance of the Screening Values within applicable Horizontal Proximity Distance

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Table T-1
UST Closure Activities
Pump-n-Pantry #001 Property
Soil Analytical Data vs. PADEP Screening Values (mg/kg)

Parameter	Montrose 21	Montrose 22	Montrose 23	Montrose 24	Montrose 25	Screening Value	Horizontal Proximity Distance
Sample Location	Gas Pump	Piping	Piping	Piping	Soil Pile		
Depth	4.0'	4.0'	4.0'	4.0'	NA		
Distance to Nearest Building	104.0'	112.0'	117.0'	104.0'	NA		
% Moisture	Not Reported	Not Reported	Not Reported	Not Reported	Not Reported		
Sample Date	10/22/2015	10/22/2015	10/22/2015	10/22/2015	10/22/2015		
Benzene	<0.025	<0.025	<0.025	<0.025	<0.025	0.13	30.0'
Toluene	0.9	1.8	<0.025	<0.025	<0.025	44.0	30.0'
Ethylbenzene	17.0	5.0	<0.025	<0.025	<0.025	46.0	30.0'
Xylenes (Total)	100.0	46.0	<0.075	<0.075	<0.075	990.0	30.0'
Isopropylbenzene (Cumene)	3.0	2.2	<0.025	<0.025	<0.025	2,500.0	30.0'
MTBE	<0.050	<0.050	<0.050	<0.050	<0.050	1.4	100.0'
Naphthalene	15.0	7.3	0.044	0.35	<0.025	25.0	30.0'
1,2,4-Trimethylbenzene	110.0	71.0	0.045	0.600	<0.025	35.0	30.0'
1,3,5-Trimethylbenzene	33.0	20.0	0.32	0.037	<0.025	210.0	30.0'

Non-Residential Soil Statewide Health Standard Screening Values Included in Table 2 of the Land Recycling Program Technical Guidance Manual for Vapor Intrusion into Buildings from Groundwater and Soil under Act 2 (Document #261-0300-101) dated January 18, 2017.

Shaded values indicate Exceedance of the Screening Values within applicable Horizontal Proximity Distance

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Table T-1
Site Characterization Activities
Pump-n-Pantry #001 Property
Soil Analytical Data vs. PADEP Screening Values (mg/kg)

Parameter	TB-1A	TB-1B	TB-2A	TB-2B	TB-3A	Screening Value	Horizontal Proximity Distance
Sample Location	TB-1	TB-1	TB-2	TB-2	TB-3		
Depth	2.0' - 3.0'	5.0' - 6.0'	1.5' - 2.5'	5.0' - 6.0'	1.5' - 2.5'		
Distance to Nearest Building	90.0'	90.0'	120.0'	120.0'	153.0'		
% Moisture	15.8%	8.9%	10.4%	8.5%	12.6%		
Sample Date	3/29/2016	3/29/2016	3/29/2016	3/29/2016	3/29/2016		
Benzene	<0.0494	<0.034	0.583	0.281	3.08	0.13	30.0'
Toluene	<0.0494	<0.034	1.78	3.51	19.2	44.0	30.0'
Ethylbenzene	<0.0494	<0.034	1.88	12.9	32.4	46.0	30.0'
Xylenes (Total)	<0.148	<0.102	4.8	59.8	384.0	990.0	30.0'
Isopropylbenzene (Cumene)	<0.0494	<0.034	0.161	1.380	5.62	2,500.0	30.0'
MTBE	<0.0494	<0.034	<0.0382	<0.149	<0.242	1.4	100.0'
Naphthalene	<0.0988	<0.0679	2.49	5.32	60.5	25.0	30.0'
1,2,4-Trimethylbenzene	<0.0988	<0.034	19.9	40.0	562.0	35.0	30.0'
1,3,5-Trimethylbenzene	<0.0494	<0.034	1.71	11.3	246.0	210.0	30.0'

Non-Residential Soil Statewide Health Standard Screening Values Included in Table 2 of the Land Recycling Program Technical Guidance Manual for Vapor Intrusion into Buildings from Groundwater and Soil under Act 2 (Document #261-0300-101) dated January 18, 2017.

Shaded values indicate Exceedance of the Screening Values within applicable Horizontal Proximity Distance

01/05/18

Table T-1
Site Characterization Activities
Pump-n-Pantry #001 Property
Soil Analytical Data vs. PADEP Screening Values (mg/kg)

Parameter	TB-3B	TB-4A	TB-4B	TB-5A	TB-5B	Screening Value	Horizontal Proximity Distance
Sample Location	TB-3	TB-4	TB-4	TB-5	TB-5		
Depth	5.0' - 6.0'	2.0' - 3.0'	5.0' - 6.0'	1.0' - 2.0'	4.5' - 5.0'		
Distance to Nearest Building	153.0'	126.0'	126.0'	99.0'	99.0'		
% Moisture	4.9%	5.2%	7.2%	10.4%	12.5%		
Sample Date	3/29/2016	3/29/2016	3/29/2016	3/29/2016	3/29/2016		
Benzene	<0.0424	0.093	0.977	1.41	1.03	0.13	30.0'
Toluene	0.0473	<0.0309	0.6	0.0413	<0.167	44.0	30.0'
Ethylbenzene	1.19	0.332	25.1	3.54	23.4	46.0	30.0'
Xylenes (Total)	1.67	0.944	16.0	1.25	1.17	990.0	30.0'
Isopropylbenzene (Cumene)	0.234	0.0365	2.86	0.246	3.81	2,500.0	30.0'
MTBE	<0.0424	<0.0309	<0.0135	<0.0340	<0.167	1.4	100.0'
Naphthalene	1.12	0.0874	10.4	0.183	9.26	25.0	30.0'
1,2,4-Trimethylbenzene	8.19	0.658	57.4	2.1	7.55	35.0	30.0'
1,3,5-Trimethylbenzene	2.5	0.239	15.6	1.18	18.8	210.0	30.0'

Non-Residential Soil Statewide Health Standard Screening Values Included in Table 2 of the Land Recycling Program Technical Guidance Manual for Vapor Intrusion into Buildings from Groundwater and Soil under Act 2 (Document #261-0300-101) dated January 18, 2017.

Shaded values indicate Exceedance of the Screening Values within applicable Horizontal Proximity Distance

01/05/18

Table T-1
Site Characterization Activities
Pump-n-Pantry #001 Property
Soil Analytical Data vs. PADEP Screening Values (mg/kg)

Parameter	TB-6A	TB-6B	TB-7A	TB-7B	TB-8A	Screening Value	Horizontal Proximity Distance
Sample Location	TB-6	TB-6	TB-7	TB-7	TB-8		
Depth	2.5' - 3.5'	5.0' - 6.0'	2.0' - 3.0'	4.5' - 5.0'	2.0' - 3.0'		
Distance to Nearest Building	68.0'	68.0'	40.0'	40.0'	15.0'		
% Moisture	8.7%	11.9%	15.6%	9.4%	6.6%		
Sample Date	3/29/2016	3/29/2016	3/29/2016	3/29/2016	3/29/2016		
Benzene	1.05	<0.150	0.200	2.15	<0.158	0.13	30.0'
Toluene	5.63	<0.150	<0.0390	0.767	<0.158	44.0	30.0'
Ethylbenzene	35.5	2.59	0.118	35.7	<0.158	46.0	30.0'
Xylenes (Total)	106.0	0.771	<0.117	10.1	<0.474	990.0	30.0'
Isopropylbenzene (Cumene)	5.67	0.594	<0.0390	6.42	<0.158	2,500.0	30.0'
MTBE	<0.146	<0.150	<0.0390	<0.329	<0.158	1.4	100.0'
Naphthalene	18.7	1.97	<0.0780	19.9	<0.316	25.0	30.0'
1,2,4-Trimethylbenzene	126.0	5.53	0.122	25.3	<0.316	35.0	30.0'
1,3,5-Trimethylbenzene	41.2	3.5	0.0631	36.0	<0.158	210.0	30.0'

Non-Residential Soil Statewide Health Standard Screening Values Included in Table 2 of the Land Recycling Program Technical Guidance Manual for Vapor Intrusion into Buildings from Groundwater and Soil under Act 2 (Document #261-0300-101) dated January 18, 2017.

Shaded values indicate Exceedance of the Screening Values within applicable Horizontal Proximity Distance

01/05/18

Table T-1
Site Characterization Activities
Pump-n-Pantry #001 Property
Soil Analytical Data vs. PADEP Screening Values (mg/kg)

Parameter	TB-8B	TB-9A	TB-9B	TB-10A	TB-10B	Screening Value	Horizontal Proximity Distance
Sample Location	TB-8	TB-9	TB-9	TB-10	TB-10		
Depth	4.5' - 5.0'	2.0' - 3.0'	4.5' - 5.0'	1.0' - 2.0'	3.0' - 3.5'		
Distance to Nearest Building	15.0'	21.0'	21.0'	110.0'	110.0'		
% Moisture	13.5%	6.8%	9.9%	15.9%	16.1%		
Sample Date	3/29/2016	3/29/2016	3/29/2016	3/29/2016	3/29/2016		
Benzene	<0.236	<0.175	<0.158	<0.291	1.61	0.13	30.0'
Toluene	<0.236	<0.175	<0.158	<0.291	33.0	44.0	30.0'
Ethylbenzene	0.285	<0.175	<0.158	<0.291	12.0	46.0	30.0'
Xylenes (Total)	<0.707	<0.524	<0.473	<0.873	56.5	990.0	30.0'
Isopropylbenzene (Cumene)	2.84	<0.175	<0.158	<0.291	8.44	2,500.0	30.0'
MTBE	<0.236	<0.175	<0.158	<0.291	<0.513	1.4	100.0'
Naphthalene	4.35	<0.349	<0.315	<0.582	1.51	25.0	30.0'
1,2,4-Trimethylbenzene	<0.471	<0.349	<0.315	<0.582	28.2	35.0	30.0'
1,3,5-Trimethylbenzene	<0.236	<0.175	<0.158	<0.291	8.1	210.0	30.0'

Non-Residential Soil Statewide Health Standard Screening Values Included in Table 2 of the Land Recycling Program Technical Guidance Manual for Vapor Intrusion into Buildings from Groundwater and Soil under Act 2 (Document #261-0300-101) dated January 18, 2017.

Shaded values indicate Exceedance of the Screening Values within applicable Horizontal Proximity Distance

01/05/18

Table T-1
Site Characterization Activities
Pump-n-Pantry #001 Property
Soil Analytical Data vs. PADEP Screening Values (mg/kg)

Parameter	TB-11A	TB-11B	TB-12A	TB-12B	TB-13A	Screening Value	Horizontal Proximity Distance
Sample Location	TB-11	TB-11	TB-12	TB-12	TB-13		
Depth	1.0' - 2.0'	3.0' - 3.5'	1.0' - 2.0'	3.0' - 3.5'	1.0' - 2.0'		
Distance to Nearest Building	140.0'	140.0'	126.0'	126.0'	97.0'		
% Moisture	15.8%	6.7%	5.2%	2.5%	6.8%		
Sample Date	3/29/2016	3/29/2016	3/29/2016	3/29/2016	3/29/2016		
Benzene	<0.183	1.85	<0.0330	<0.172	5.34	0.13	30.0'
Toluene	<0.183	66.7	0.0438	<0.172	17.6	44.0	30.0'
Ethylbenzene	<0.183	28.9	<0.0330	<0.172	80.4	46.0	30.0'
Xylenes (Total)	<0.548	143.0	0.101	<0.517	285.0	990.0	30.0'
Isopropylbenzene (Cumene)	<0.183	18.4	<0.0330	<0.172	15.7	2,500.0	30.0'
MTBE	<0.183	<0.319	<0.0330	<0.172	<1.610	1.4	100.0'
Naphthalene	<0.366	2.58	<0.0659	<0.345	72.4	25.0	30.0'
1,2,4-Trimethylbenzene	<0.366	47.5	<0.0330	<0.345	349.0	35.0	30.0'
1,3,5-Trimethylbenzene	<0.183	15.1	0.0407	<0.172	127.0	210.0	30.0'

Non-Residential Soil Statewide Health Standard Screening Values Included in Table 2 of the Land Recycling Program Technical Guidance Manual for Vapor Intrusion into Buildings from Groundwater and Soil under Act 2 (Document #261-0300-101) dated January 18, 2017.

Shaded values indicate Exceedance of the Screening Values within applicable Horizontal Proximity Distance

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Table T-1
Site Characterization Activities
Pump-n-Pantry #001 Property
Soil Analytical Data vs. PADEP Screening Values (mg/kg)

Parameter	TB-13B	TB-14A	TB-14B	TB-15A	TB-15B	Screening Value	Horizontal Proximity Distance
Sample Location	TB-13	TB-14	TB-14	TB-15	TB-15		
Depth	5.0' - 6.0'	2.0' - 3.0'	5.0' - 6.0'	2.0' - 3.0'	5.0' - 6.0'		
Distance to Nearest Building	97.0'	67.0'	67.0'	39.0'	39.0'		
% Moisture	20.8%	10.7%	20.4%	12.1%	10.9%		
Sample Date	3/29/2016	3/30/2016	3/30/2016	3/30/2016	3/30/2016		
Benzene	1.13	<0.0323	0.0492	<0.0316	<0.0335	0.13	30.0'
Toluene	1.72	<0.0323	<0.0389	<0.0316	<0.0335	44.0	30.0'
Ethylbenzene	23.6	<0.0323	<0.0389	<0.0316	<0.0335	46.0	30.0'
Xylenes (Total)	41.5	<0.0969	<0.117	<0.0947	<0.100	990.0	30.0'
Isopropylbenzene (Cumene)	5.2	<0.0323	<0.0389	<0.0316	<0.0335	2,500.0	30.0'
MTBE	<0.352	<0.0323	<0.0389	<0.0316	<0.0335	1.4	100.0'
Naphthalene	14.8	<0.0646	<0.0778	<0.0631	<0.0670	25.0	30.0'
1,2,4-Trimethylbenzene	101.0	<0.0323	<0.0389	<0.0316	<0.0335	35.0	30.0'
1,3,5-Trimethylbenzene	35.5	<0.0323	<0.0389	<0.0316	<0.0335	210.0	30.0'

Non-Residential Soil Statewide Health Standard Screening Values Included in Table 2 of the Land Recycling Program Technical Guidance Manual for Vapor Intrusion into Buildings from Groundwater and Soil under Act 2 (Document #261-0300-101) dated January 18, 2017.

Shaded values indicate Exceedance of the Screening Values within applicable Horizontal Proximity Distance

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Table T-1
Site Characterization Activities
Pump-n-Pantry #001 Property
Soil Analytical Data vs. PADEP Screening Values (mg/kg)

Parameter	TB-16A	TB-16B	TB-17A	TB-17B	TB-18A	Screening Value	Horizontal Proximity Distance
Sample Location	TB-16	TB-16	TB-17	TB-17	TB-18		
Depth	2.0' - 3.0'	3.0' - 4.0'	2.0' - 3.0'	5.0' - 6.0'	1.0' - 2.0'		
Distance to Nearest Building	125.0'	125.0'	97.0'	97.0'	111.0'		
% Moisture	9.0%	10.1%	7.3%	11.3%	4.8%		
Sample Date	3/29/2016	3/29/2016	3/29/2016	3/29/2016	3/30/2016		
Benzene	<0.0343	<0.154	<0.163	<0.148	<0.0367	0.13	30.0'
Toluene	<0.0343	<0.154	0.361	<0.148	<0.0367	44.0	30.0'
Ethylbenzene	<0.0343	<0.154	<0.163	<0.148	<0.0367	46.0	30.0'
Xylenes (Total)	<0.103	<0.462	<0.490	<0.445	<0.110	990.0	30.0'
Isopropylbenzene (Cumene)	<0.0343	<0.154	<0.163	<0.148	<0.0367	2,500.0	30.0'
MTBE	<0.0343	<0.154	<0.163	<0.148	<0.0367	1.4	100.0'
Naphthalene	<0.0687	<0.308	<0.327	<0.297	<0.0735	25.0	30.0'
1,2,4-Trimethylbenzene	<0.0343	<0.308	<0.327	0.370	<0.0367	35.0	30.0'
1,3,5-Trimethylbenzene	<0.0343	<0.154	<0.163	<0.148	<0.0367	210.0	30.0'

Non-Residential Soil Statewide Health Standard Screening Values Included in Table 2 of the Land Recycling Program Technical Guidance Manual for Vapor Intrusion into Buildings from Groundwater and Soil under Act 2 (Document #261-0300-101) dated January 18, 2017.

Shaded values indicate Exceedance of the Screening Values within applicable Horizontal Proximity Distance

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Table T-1
Site Characterization Activities
Pump-n-Pantry #001 Property
Soil Analytical Data vs. PADEP Screening Values (mg/kg)

Parameter	TB-18B	TB-19A	TB-19B	TB-20A	TB-20B	Screening Value	Horizontal Proximity Distance
Sample Location	TB-18	TB-19	TB-19	TB-20	TB-20		
Depth	2.0' - 3.0'	1.0' - 2.0'	2.0' - 3.0'	1.0' - 2.0'	2.0' - 3.0'		
Distance to Nearest Building	111.0'	95.0'	95.0'	41.0'	41.0'		
% Moisture	9.8%	4.7%	6.0%	6.2%	12.9%		
Sample Date	3/30/2016	3/30/2016	3/30/2016	3/30/2016	3/30/2016		
Benzene	<0.0314	<0.0333	<0.164	<0.164	<0.0328	0.13	30.0'
Toluene	<0.0314	<0.0333	<0.164	<0.164	<0.0328	44.0	30.0'
Ethylbenzene	<0.0314	<0.0333	<0.164	<0.164	<0.0328	46.0	30.0'
Xylenes (Total)	<0.0941	<0.100	<0.491	<0.492	<0.0985	990.0	30.0'
Isopropylbenzene (Cumene)	<0.0314	<0.0333	0.214	0.543	<0.0328	2,500.0	30.0'
MTBE	<0.0314	<0.0333	<0.164	<0.164	<0.0328	1.4	100.0'
Naphthalene	<0.0627	<0.0667	<0.328	2.63	<0.0656	25.0	30.0'
1,2,4-Trimethylbenzene	<0.0314	<0.0333	0.88	<0.164	<0.0328	35.0	30.0'
1,3,5-Trimethylbenzene	<0.0314	<0.0333	<0.164	<0.164	<0.0328	210.0	30.0'

Non-Residential Soil Statewide Health Standard Screening Values Included in Table 2 of the Land Recycling Program Technical Guidance Manual for Vapor Intrusion into Buildings from Groundwater and Soil under Act 2 (Document #261-0300-101) dated January 18, 2017.

Shaded values indicate Exceedance of the Screening Values within applicable Horizontal Proximity Distance

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Table T-1
Site Characterization Activities
Pump-n-Pantry #001 Property
Soil Analytical Data vs. PADEP Screening Values (mg/kg)

Parameter	TB-21	TB-22	TB-23	TB-24	TB-25A	Screening Value	Horizontal Proximity Distance
Sample Location	TB-21	TB-22	TB-23	TB-24	TB-25		
Depth	1.0' - 2.0'	1.5' - 2.5'	1.5' - 2.5'	0.5' - 1.5'	1.0' - 2.0'		
Distance to Nearest Building	127.0'	130.0'	74.0'	130.0'	71.0'		
% Moisture	5.4%	3.9%	6.2%	6.2%	11.4%		
Sample Date	3/30/2016	3/30/2016	3/30/2016	3/30/2016	3/30/2016		
Benzene	<0.0352	<0.0318	<0.0327	<0.0341	<0.0555	0.13	30.0'
Toluene	<0.0352	<0.0318	<0.0327	<0.0341	<0.0555	44.0	30.0'
Ethylbenzene	<0.0352	<0.0318	<0.0327	<0.0341	<0.0555	46.0	30.0'
Xylenes (Total)	<0.106	<0.0954	<0.0980	<0.102	<0.167	990.0	30.0'
Isopropylbenzene (Cumene)	<0.0352	<0.0318	<0.0327	<0.0341	<0.0555	2,500.0	30.0'
MTBE	<0.0352	<0.0318	<0.0327	<0.0341	<0.0555	1.4	100.0'
Naphthalene	<0.0704	<0.0636	<0.0653	<0.0682	<0.111	25.0	30.0'
1,2,4-Trimethylbenzene	<0.0352	<0.0318	<0.0327	<0.0341	<0.0555	35.0	30.0'
1,3,5-Trimethylbenzene	<0.0352	<0.0318	<0.0327	<0.0341	<0.0555	210.0	30.0'

Non-Residential Soil Statewide Health Standard Screening Values Included in Table 2 of the Land Recycling Program Technical Guidance Manual for Vapor Intrusion into Buildings from Groundwater and Soil under Act 2 (Document #261-0300-101) dated January 18, 2017.

Shaded values indicate Exceedance of the Screening Values within applicable Horizontal Proximity Distance

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Table T-1
Site Characterization Activities
Pump-n-Pantry #001 Property
Soil Analytical Data vs. PADEP Screening Values (mg/kg)

Parameter	TB-25B	TB-26A	TB-26B	TB-27A	TB-27B	Screening Value	Horizontal Proximity Distance
Sample Location	TB-25	TB-26	TB-26	TB-27	TB-27		
Depth	2.5' - 3.5'	2.0' - 3.0'	3.5' - 4.5'	2.0' - 3.0'	5.0' - 6.0'		
Distance to Nearest Building	71.0'	15.0'	15.0'	40.0'	40.0'		
% Moisture	9.2%	12.9%	6.4%	14.6%	22.9%		
Sample Date	3/30/2016	3/30/2016	3/30/2016	3/30/2016	3/30/2016		
Benzene	<0.0491	<0.0500	<0.0462	<0.0550	<0.386	0.13	30.0'
Toluene	<0.0491	<0.0500	<0.0462	<0.0550	<0.386	44.0	30.0'
Ethylbenzene	<0.0491	<0.0500	<0.0462	<0.0550	<0.386	46.0	30.0'
Xylenes (Total)	<0.147	<0.150	<0.139	<0.165	<0.116	990.0	30.0'
Isopropylbenzene (Cumene)	<0.0491	<0.0500	<0.0462	<0.0550	<0.386	2,500.0	30.0'
MTBE	<0.0491	<0.0500	<0.0462	<0.0550	<0.386	1.4	100.0'
Naphthalene	<0.0982	<0.100	<0.0924	<0.110	<0.0772	25.0	30.0'
1,2,4-Trimethylbenzene	<0.0491	<0.0500	<0.0462	<0.0550	<0.386	35.0	30.0'
1,3,5-Trimethylbenzene	<0.0491	<0.0500	<0.0462	<0.0550	<0.386	210.0	30.0'

Non-Residential Soil Statewide Health Standard Screening Values Included in Table 2 of the Land Recycling Program Technical Guidance Manual for Vapor Intrusion into Buildings from Groundwater and Soil under Act 2 (Document #261-0300-101) dated January 18, 2017.

Shaded values indicate Exceedance of the Screening Values within applicable Horizontal Proximity Distance

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Table T-1
Soil Attainment Sampling Program
Pump-n-Pantry #001 Property
Soil Analytical Data vs. PADEP Screening Values (mg/kg)

Parameter	SS-1	SS-2	SS-3	SS-4	SS-5	SS-6	Screening Value	Horizontal Proximity Distance
Sample Location	Sidewall	Sidewall	Sidewall	Sidewall	Sidewall	Sidewall		
Depth	3.9	2.3	2.0	5.4	0.4	4.2		
Distance to Nearest Building	65.0'	75.0'	85.0'	125.0'	122.0'	61.0'		
% Moisture	9.8%	1.8%	4.6%	9.5%	17.5%	1.0%		
Sample Date	6/27/2016	6/27/2016	6/27/2016	6/27/2016	6/27/2016	6/27/2016		
Benzene	0.0318	<0.0339	<0.0467	<0.0347	0.386	0.517	0.13	30.0'
Ethylbenzene	0.13	0.0504	<0.0467	0.26	1.49	9.440	44.0	30.0'
Isopropylbenzene (Cumene)	<0.0312	<0.0339	<0.0467	0.0675	0.137	1.630	46.0	30.0'
MTBE	<0.0312	<0.0339	<0.0467	<0.0347	<0.0496	<0.412	990.0	100.0'
Naphthalene	<0.0937	<0.102	<0.140	3.08	0.759	60.2	2,500.0	30.0'
Toluene	<0.0312	0.0383	<0.0467	0.0895	0.89	9.05	1.4	30.0'
Total Xylenes	<0.0937	<0.102	<0.140	1.77	3.17	57.5	25.0	30.0'
1,2,4-Trimethylbenzene	<0.0312	<0.0339	<0.0467	4.27	2.43	75.0	35.0	30.0'
1,3,5-Trimethylbenzene	<0.0312	<0.0339	<0.0467	1.13	0.245	20.5	210.0	30.0'

Non-Residential Soil Statewide Health Standard Screening Values Included in Table 2 of the Land Recycling Program Technical Guidance Manual for Vapor Intrusion into Buildings from Groundwater and Soil under Act 2 (Document #261-0300-101) dated January 18, 2017.

 Shaded values indicate Exceedance of the Screening Values within applicable Horizontal Proximity Distance

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Table T-1
Soil Attainment Sampling Program
Pump-n-Pantry #001 Property
Soil Analytical Data vs. PADEP Screening Values (mg/kg)

Parameter	SS-7	SS-8	SS-9	SS-10	SS-11	SS-12	Screening Value	Horizontal Proximity Distance
Sample Location	Sidewall	Sidewall	Sidewall	Sidewall	Sidewall	Sidewall		
Depth	5.0	2.2	2.4	0.9	3.0	2.7		
Distance to Nearest Building	114.0'	117.0'	110.0'	76.0'	120.0'	134.0'		
% Moisture	14.7%	11.5%	14.4%	3.0%	1.8%	7.8%		
Sample Date	6/27/2016	6/27/2016	6/27/2016	6/27/2016	6/27/2016	6/27/2016		
Benzene	<0.0441	0.246	0.345	<0.0425	0.364	<0.0451	0.13	30.0'
Ethylbenzene	<0.0441	4.39	0.395	0.0513	7.29	<0.0451	44.0	30.0'
Isopropylbenzene (Cumene)	<0.0441	1.76	0.148	<0.0425	0.971	<0.0451	46.0	30.0'
MTBE	<0.0441	<0.0429	<0.0485	<0.0425	<0.216	<0.0451	990.0	100.0'
Naphthalene	<0.0883	1.01	0.124	0.138	27.3	<0.0902	2,500.0	30.0'
Toluene	<0.0441	3.36	0.944	0.0478	<0.216	<0.0451	1.4	30.0'
Total Xylenes	<0.132	12.9	0.867	0.212	37.7	<0.135	25.0	30.0'
1,2,4-Trimethylbenzene	<0.0441	16.7	0.333	0.0977	61.9	<0.0451	35.0	30.0'
1,3,5-Trimethylbenzene	<0.0441	<0.0429	0.122	0.0764	18.5	<0.0451	210.0	30.0'

Non-Residential Soil Statewide Health Standard Screening Values Included in Table 2 of the Land Recycling Program Technical Guidance Manual for Vapor Intrusion into Buildings from Groundwater and Soil under Act 2 (Document #261-0300-101) dated January 18, 2017.

 Shaded values indicate Exceedance of the Screening Values within applicable Horizontal Proximity Distance

01/05/18

Table T-1
Site Characterization Activities
Pump-n-Pantry #001 Property
Soil Analytical Data vs. PADEP Screening Values (mg/kg)

Parameter	MW-7A	MW-8A	MW-8B	MW-9A	MW-9B	Screening Value	Horizontal Proximity Distance
Sample Location	MW-7	MW-8	MW-8	MW-9	MW-9		
Depth	2.0' - 3.0'	2.0' - 3.0'	4.0' - 4.5'	2.0' - 3.0'	4.0' - 5.0'		
Distance to Nearest Building	112.0'	68.0'	68.0'	61.0'	61.0'		
% Moisture	14.1%	7.3%	12.0%	13.9%	16.9%		
Sample Date	2/6/2017	2/6/2017	2/6/2017	2/6/2017	2/6/2017		
Benzene	<0.0451	<0.0427	0.308	<0.0371	<0.0394	0.13	30.0'
Toluene	<0.0451	0.0951	0.107	<0.0371	<0.0394	44.0	30.0'
Ethylbenzene	<0.0451	0.0683	2.46	<0.0371	<0.0394	46.0	30.0'
Xylenes (Total)	<0.135	0.204	1.75	<0.111	<0.118	990.0	30.0'
Isopropylbenzene (Cumene)	<0.0451	<0.0427	0.968	<0.0371	<0.0394	2,500.0	30.0'
MTBE	<0.0451	<0.0427	<0.0426	<0.0371	<0.0394	1.4	100.0'
Naphthalene	<0.0903	0.107	2.68	<0.0742	<0.0789	25.0	30.0'
1,2,4-Trimethylbenzene	<0.0451	0.0809	9.08	<0.0371	<0.0394	35.0	30.0'
1,3,5-Trimethylbenzene	<0.0451	<0.0427	4.42	<0.0371	<0.0394	210.0	30.0'

Non-Residential Soil Statewide Health Standard Screening Values Included in Table 2 of the Land Recycling Program Technical Guidance Manual for Vapor Intrusion into Buildings from Groundwater and Soil under Act 2 (Document #261-0300-101) dated January 18, 2017.

Shaded values indicate Exceedance of the Screening Values within applicable Horizontal Proximity Distance

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Table T-1
Site Characterization Activities
Pump-n-Pantry #001 Property
Soil Analytical Data vs. PADEP Screening Values (mg/kg)

Parameter	MW-10A	MW-10B	Screening Value	Horizontal Proximity Distance
Sample Location	MW-10	MW-10		
Depth	2.0' - 3.0'	4.0' - 5.0'		
Distance to Nearest Building	90.0'	90.0'		
% Moisture	23.3%	33.3%		
Sample Date	2/6/2017	2/6/2017		
Benzene	<0.0496	<0.0599	0.13	30.0'
Toluene	<0.0496	<0.0599	44.0	30.0'
Ethylbenzene	<0.0496	<0.0599	46.0	30.0'
Xylenes (Total)	<0.149	<0.180	990.0	30.0'
Isopropylbenzene (Cumene)	<0.0496	<0.0599	2,500.0	30.0'
MTBE	<0.0496	<0.0599	1.4	100.0'
Naphthalene	<0.0992	<0.120	25.0	30.0'
1,2,4-Trimethylbenzene	<0.0496	<0.0599	35.0	30.0'
1,3,5-Trimethylbenzene	<0.0496	<0.0599	210.0	30.0'

Non-Residential Soil Statewide Health Standard Screening Values Included in Table 2 of the Land Recycling Program Technical Guidance Manual for Vapor Intrusion into Buildings from Groundwater and Soil under Act 2 (Document #261-0300-101) dated January 18, 2017.

Shaded values indicate Exceedance of the Screening Values within applicable Horizontal Proximity Distance

01/05/18

Table T-1
Northridge Attainment Data
Pump-n-Pantry #001 Property
Soil Analytical Data vs. PADEP Screening Values (mg/kg)

Parameter	B-4	B-5	B-6	B-7	B-8	Screening Value	Horizontal Proximity Distance
Sample Location	B-4	B-4	B-4	B-4	B-4		
Depth	Unkown	Unkown	Unkown	Unkown	Unkown		
Distance to Nearest Building	168.0'	172.0'	166.0'	174.0'	170.0'		
% Moisture	9.4%	12.1%	12.0%	10.1%	7.1%		
Sample Date	2/6/2017	2/6/2017	2/6/2017	2/6/2017	2/6/2017		
Benzene	<0.0023	0.0033	0.0023	0.0087	0.0967	0.13	30.0'
Toluene	<0.0056	0.0163	<0.0032	<0.0061	0.0417	44.0	30.0'
Ethylbenzene	<0.0056	<0.0041	<0.0032	<0.0061	<0.0045	46.0	30.0'
Xylenes (Total)	<0.0113	0.0155	<0.0064	<0.0122	<0.0089	990.0	30.0'
Isopropylbenzene (Cumene)	<0.0056	<0.0041	<0.0032	<0.0061	<0.0045	2,500.0	30.0'
MTBE	<0.0056	<0.0041	<0.0032	<0.0061	<0.0045	1.4	100.0'
Naphthalene	<0.0056	<0.0041	<0.0032	<0.0061	<0.0045	25.0	30.0'
1,2,4-Trimethylbenzene	<0.0056	<0.0041	<0.0032	<0.0061	<0.0045	35.0	30.0'
1,3,5-Trimethylbenzene	<0.0056	<0.0041	<0.0032	<0.0061	<0.0045	210.0	30.0'

Non-Residential Soil Statewide Health Standard Screening Values Included in Table 2 of the Land Recycling Program Technical Guidance Manual for Vapor Intrusion into Buildings from Groundwater and Soil under Act 2 (Document #261-0300-101) dated January 18, 2017.

 Shaded values indicate Exceedance of the Screening Values within applicable Horizontal Proximity Distance

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Table T-1
Site Characterization Activities
Pump-n-Pantry #001 Property
Soil Analytical Data vs. PADEP Screening Values (mg/kg)

Parameter	TB-28A	TB-28B	TB-29A	TB-29B	TB-30A	Screening Value	Horizontal Proximity Distance
Sample Location	TB-28	TB-28	TB-29	TB-29	TB-30		
Depth	2.0' - 2.5'	4.5' 5.0'	2.0' - 2.5'	4.0' - 4.5'	2.0' - 2.5'		
Distance to Nearest Building	60.0'	60.0'	89.0'	89.0'	100.0'		
% Moisture	9.4%	12.1%	12.0%	10.1%	7.1%		
Sample Date	9/12/2017	9/12/2017	9/12/2017	9/12/2017	9/12/2017		
Benzene	<0.0354	<0.0348	<0.0380	<0.0300	<0.0471	0.13	30.0'
Toluene	<0.0354	<0.0348	<0.0380	<0.0300	0.279	44.0	30.0'
Ethylbenzene	<0.0354	<0.0348	<0.0380	<0.0300	0.0746	46.0	30.0'
Xylenes (Total)	<0.106	<0.104	<0.114	<0.0899	0.378	990.0	30.0'
Isopropylbenzene (Cumene)	<0.0354	<0.0348	<0.0380	<0.0300	<0.0471	2,500.0	30.0'
MTBE	<0.0354	<0.0348	<0.0380	<0.0300	<0.0471	1.4	100.0'
Naphthalene	<0.0708	<0.0695	<0.0760	<0.0600	0.382	25.0	30.0'
1,2,4-Trimethylbenzene	<0.0354	<0.0348	<0.0380	<0.0300	0.192	35.0	30.0'
1,3,5-Trimethylbenzene	<0.0354	<0.0348	<0.0380	<0.0300	0.126	210.0	30.0'

Non-Residential Soil Statewide Health Standard Screening Values Included in Table 2 of the Land Recycling Program Technical Guidance Manual for Vapor Intrusion into Buildings from Groundwater and Soil under Act 2 (Document #261-0300-101) dated January 18, 2017.

Shaded values indicate Exceedance of the Screening Values within applicable Horizontal Proximity Distance

01/05/18

Table T-1
Site Characterization Activities
Pump-n-Pantry #001 Property
Soil Analytical Data vs. PADEP Screening Values (mg/kg)

Parameter	TB-30B	TB-31A	TB-31B	Screening Value	Horizontal Proximity Distance
Sample Location	TB-30	TB-31	TB-31		
Depth	4.0' - 4.5'	2.0' - 2.5'	4.0' - 4.5'		
Distance to Nearest Building	100.0'	95.0'	95.0'		
% Moisture	6.6%	5.3%	8.3%		
Sample Date	9/12/2017	9/12/2017	9/12/2017		
Benzene	0.0299	0.092	0.0436	0.13	30.0'
Toluene	0.0829	1.66	0.805	44.0	30.0'
Ethylbenzene	<0.0264	0.322	0.208	46.0	30.0'
Xylenes (Total)	<0.0792	2.38	2.26	990.0	30.0'
Isopropylbenzene (Cumene)	<0.0264	<0.0344	<0.0301	2,500.0	30.0'
MTBE	<0.0264	<0.0344	<0.0301	1.4	100.0'
Naphthalene	<0.0528	<0.0688	<0.0603	25.0	30.0'
1,2,4-Trimethylbenzene	<0.0264	0.487	0.747	35.0	30.0'
1,3,5-Trimethylbenzene	<0.0264	0.608	0.432	210.0	30.0'

Non-Residential Soil Statewide Health Standard Screening Values Included in Table 2 of the Land Recycling Program Technical Guidance Manual for Vapor Intrusion into Buildings from Groundwater and Soil under Act 2 (Document #261-0300-101) dated January 18, 2017.

Shaded values indicate Exceedance of the Screening Values within applicable Horizontal Proximity Distance

APPENDIX U

Comparison of Groundwater Data to PADEP VI Screening Values

01/05/18

Table U-1
UST Closure Activities
Pump-n-Purify #001 Property
Groundwater Analytical Data vs. PADEP VI Screening Values (ug/l)
Groundwater Samples

Well Number	Date Sampled	Well Head Elevation (feet)	Depth to Groundwater (feet)*	Relative Groundwater Elevation (feet)	Product Thickness (feet)	Remediation Status	Benzene (ug/L)	Ethylbenzene (ug/L)	Cumene (ug/L)	MTBE (ug/L)	Naphthalene (ug/L)	Toluene (ug/L)	Xylenes (ug/L)	1,2,4-TMB (ug/L)	1,3,5-TMB (ug/L)
GW-1 Distance to Nearest Building = 44.0'	10/22/2015	NA	NA	NA	NA	NA	350.0	860.0	24,000.0	96,000.0	1,300.0	430,00.0	12,000.0	750.0	1,200.0
							<1.0	6.5	4.7	<2.0	260.0	<1.0	11.0	230.0	15.0
GW-2 Distance to Nearest Building = 87.0'	10/22/2015	NA	NA	NA	NA	NA	17.0	<1.0	1.2	<2.0	<1.0	36.0	24.0	2.1	1.1

NM Not Measured
MTBE Methyl Tert Butyl Ether
1,2,4-TMB 1,2,4-Trimethylbenzene
1,3,5-TMB 1,3,5-Trimethylbenzene

NS Not Sampled
NA Not Applicable
E Estimated Value

Non-Residential Groundwater Statewide Health Standard Screening Values Included in Table 1 of the PADEP's Land Recycling Program Technical Guidance Manual for Vapor Intrusion into Buildings from Groundwater and Soil under Act 2 (Document #261-0300-101) dated January 18, 2017.

Shaded values indicate Exceedance of the Screening Values within applicable horizontal proximity distance
Proximity Distance = 30.0' with exception of MTBE (100.0')

01/05/18

Table U-1
Site Characterization Activities
Pump-n-Pantry #001 Property
Groundwater Analytical Data vs. PADEP VI Screening Values (ug/l)
December 2015 Test Pit Samples

Well Number	Date Sampled	Well Head Elevation (feet)	Depth to Groundwater (feet)*	Relative Groundwater Elevation (feet)	Product Thickness (feet)	Remediation Status	Benzene (ug/L)	Ethylbenzene (ug/L)	Cumene (ug/l)	MTBE (ug/L)	Naphthalene (ug/L)	Toluene (ug/L)	Xylenes (ug/L)	1,2,4-TMB (ug/L)	1,3,5-TMB (ug/L)
TP-1 Distance to Nearest Building = 65.0'	12/11/2015	NA	NA	NA	NA	Characterization	390.0	860.0	24,000.0	96,000.0	1,300.0	430,00.0	12,000.0	760.0	1,200.0
							198.0	23.2	8.7	10.8	44.7	9.6	5.6	<1.0	<1.0
TP-2 Distance to Nearest Building = 35.0'	12/11/2015	NA	NA	NA	NA	Characterization	382.0	1010.0	103.0	36.7	2040.0	38.8	181.0	3880.0	1440.0

NM Not Measured
MTBE Methyl Tert Butyl Ether
1,2,4-TMB 1,2,4-Trimethylbenzene
1,3,5-TMB 1,3,5-Trimethylbenzene

NS Not Sampled
NA Not Applicable
E Estimated Value

Non-Residential Groundwater Statewide Health Standard Screening Values Included in Table 1 of the PADEP's Land Recycling Program Technical Guidance Manual for Vapor Intrusion into Buildings from Groundwater and Soil under Act 2 (Document #261-0300-101) dated January 18, 2017.

 Shaded values indicate Exceedance of the Screening Values within applicable horizontal proximity distance
Proximity Distance = 30.0' with exception of MTBE (100.0')

01/05/18

Table U-1
Site Characterization Activities
Pump-n-Party #001 Property
Groundwater Analytical Data vs. PADEP VI Screening Values (ug/l)
Groundwater Monitoring Wells

Well Number	Date Sampled	Well Head Elevation (feet)	Depth to Groundwater (feet)*	Relative Groundwater Elevation (feet)	Product Thickness (feet)	Remediation Status	Benzene (ug/L)	Ethylbenzene (ug/L)	Cumene (ug/L)	MTBE (ug/L)	Naphthalene (ug/L)	Toluene (ug/L)	Xylenes (ug/L)	1,2,4-TMB (ug/L)	1,3,5-TMB (ug/L)
							350.0	860.0	24,000.0	96,000.0	1,300.0	430,00.0	12,000.0	760.0	1,200.0
MW-1 Distance to Nearest Building = 25.0' Screened Interval: 3.64' - 20.64' Total Depth: 20.64'	10/19/2016	1654.16	15.22	1638.94	0.00	Characterization	<1.0	<1.0	<1.0	<1.0	<2.0	<1.0	<3.0	<1.0	<1.0
	11/30/2016	1654.16	4.51	1649.65	0.00	Characterization	<1.0	<1.0	<1.0	<1.0	<2.0	<1.0	<3.0	<1.0	<1.0
	2/22/2017	1654.16	3.24	1650.92	0.00	Characterization	<1.0	<1.0	<1.0	<1.0	<2.0	<1.0	<3.0	<1.0	<1.0
	5/12/2017	1654.16	4.52	1649.64	0.00	Characterization	<1.0	<1.0	<1.0	<1.0	<2.0	<1.0	<3.0	<1.0	<1.0
	7/24/2017	1654.16	2.29	1651.87	0.00	Characterization	<1.0	<1.0	<1.0	<1.0	<2.0	<1.0	<3.0	<1.0	<1.0
	11/2/2017	1654.16	3.74	1650.42	0.00	Characterization	<1.0	<1.0	<1.0	<1.0	<2.0	<1.0	<3.0	<1.0	<1.0
	12/9/2017	1654.16	5.12	1649.04	0.00	Characterization	<1.0	<1.0	<1.0	<1.0	<2.0	<1.0	<3.0	<1.0	<1.0
MW-2 Distance to Nearest Building = 140.0' Screened Interval: 3.66' - 20.66' Total Depth: 20.66'	10/19/2016	1653.72	5.40	1648.32	0.00	Characterization	273	140	9.5	3.5	40.5	9.4	140	171	<1.0
	11/30/2016	1653.72	5.03	1648.69	0.00	Characterization	835	494	14.4	7.4	39.8	10.8	310	227	<5.0
	2/22/2017	1653.72	4.66	1649.06	0.00	Characterization	349	412	17.0	<5.0	50.5	19.5	275	250	<5.0
	5/2/2017	1653.72	5.07	1648.65	0.00	Characterization	612	659	27.2	<5.0	43.2	21.0	439	429	<5.0
	7/29/2017	1653.72	4.77	1648.95	0.00	Characterization	68.8	48.4	2.3	34.4	3.4	5.7	7.4	12.9	<1.0
	11/3/2017	1653.72	5.25	1648.47	0.00	Characterization	516.0	422.0	18.5	23.1	55.0	125.0	286.0	105.0	<1.0
	12/9/2017	1653.72	5.28	1648.44	0.00	Characterization	756.0	543.0	25.7	8.3	52.6	248.0	389.0	324.0	<1.0
MW-3 Distance to Nearest Building = 100.0' Screened Interval: 3.16' - 20.16' Total Depth: 20.16'	10/19/2016	1652.92	5.20	1647.72	0.00	Characterization	190	295	30.6	7.7	29.1	4.1	3.6	7.9	<1.0
	11/30/2016	1652.92	4.57	1648.35	0.00	Characterization	110	296	18.4	10.5	20.3	<5.0	<15.0	7.9	<5.0
	2/22/2017	1652.92	3.45	1649.47	0.00	Characterization	96.8	287	16.4	6.8	27.9	10.5	57.7	26.7	<5.0
	5/2/2017	1652.92	4.54	1648.38	0.00	Characterization	122	374	23.0	<5.0	21.8	9.5	69.1	57.6	<5.0
	7/29/2017	1652.92	4.21	1648.71	0.00	Characterization	35.9	105	7.2	<1.0	2.3	<1.0	<3.0	<1.0	<1.0
	11/3/2017	1652.92	4.52	1648.40	0.00	Characterization	44.3	57.6	14.0	<1.0	<2.0	1.3	<3.0	<1.0	<1.0
	12/9/2017	1652.92	4.79	1648.13	0.00	Characterization	45.2	73.6	13.3	<1.0	<2.0	<1.0	<3.0	<1.0	<1.0

NM Not Measured
MTBE Methyl Tert Butyl Ether
1,2,4-TMB 1,2,4-Trimethylbenzene
1,3,5-TMB 1,3,5-Trimethylbenzene

NS Not Sampled
NA Not Applicable
E Estimated Value

Non-Residential Groundwater Statewide Health Standard Screening Values Included in Table 1 of the PADEP's Land Recycling Program Technical Guidance Manual for Vapor Intrusion into Buildings from Groundwater and Soil under Act 2 (Document #261-0300-101) dated January 18, 2017.

Shaded values indicate Exceedance of the Screening Values within applicable horizontal proximity distance
Proximity Distance = 30.0' with exception of MTBE (100.0')

Notes:

- 1.) Screened Interval and Total Depth measurements from grade
- 2.) Well Head Elevation and Depth to

01/05/18

Table U-1
Site Characterization Activities
Pump-n-Party #001 Property
Groundwater Analytical Data vs. PADEP VI Screening Values (ug/l)
Groundwater Monitoring Wells

Well Number	Date Sampled	Well Head Elevation (feet)	Depth to Groundwater (feet)*	Relative Groundwater Elevation (feet)	Product Thickness (feet)	Remediation Status	Benzene (ug/L)	Ethylbenzene (ug/L)	Cumene (ug/L)	MTBE (ug/L)	Naphthalene (ug/L)	Toluene (ug/L)	Xylenes (ug/L)	1,2,4-TMB (ug/L)	1,3,5-TMB (ug/L)
							390.0	860.0	24,000.0	96,000.0	1,300.0	430,00.0	12,000.0	750.0	1,200.0
MW4 Distance to Nearest Building = 40.0' Screened Interval: 3.35' - 15.35' Total Depth: 15.35'	10/19/2016	1651.31	4.20	1647.11	0.00	Characterization	214	176	25.1	4.8	14.3	17.5	50.6	25.8	120.0
	11/30/2016	1651.31	3.40	1647.91	0.00	Characterization	282	179	20.4	<5.0	10.6	23.2	58.0	20.6	<5.0
	2/22/2017	1651.31	3.40	1647.91	0.00	Characterization	268	176	18.6	5.8	17.7	17.8	55.0	14.4	<5.0
	5/22/2017	1651.31	3.47	1647.84	0.00	Characterization	320	251	32.6	<5.0	16.6	21.0	58.0	27.1	<5.0
	7/29/2017	1651.31	3.11	1648.20	0.00	Characterization	267	176	20.8	<5.0	14.2	25.0	84.5	22.3	<5.0
	11/3/2017	1651.31	3.51	1647.80	0.00	Characterization	534	197	25.4	<5.0	26.0	42.6	108.0	17.5	<5.0
	12/9/2017	1651.31	3.80	1647.51	0.00	Characterization	324	180	23.8	<5.0	22.8	26.8	74.7	25.5	<5.0
MW5 Distance to Nearest Building = 85.0' Screened Interval: 3.32' - 20.32' Total Depth: 20.32'	10/19/2016	1652.33	4.64	1647.69	0.00	Characterization	173	104	9.6	26.4	70.3	7.7	57.2	132	20.8
	11/30/2016	1652.33	3.38	1648.95	0.00	Characterization	219	288	28.7	24.1	135	9.4	56.6	161	<1.0
	2/22/2017	1652.33	3.30	1649.03	0.00	Characterization	116	196	21.9	12.4	53.0	5.4	53.2	126	<1.0
	5/22/2017	1652.33	3.31	1649.02	0.00	Characterization	133	200	20.0	<5.0	23.0	<5.0	33.9	64.9	<5.0
	7/29/2017	1652.33	3.06	1649.27	0.00	Characterization	144	188	25.9	7.9	27.0	5.1	16.3	34.4	<1.0
	11/3/2017	1652.33	3.38	1648.97	0.00	Characterization	196	223	28.7	14.8	29.1	11.4	33.2	42.5	<1.0
	12/9/2017	1652.33	3.82	1648.51	0.00	Characterization	172	201	26.5	10.6	30.5	9.3	21.6	63.5	<5.0
MW6 Distance to Nearest Building = 89.0' Screened Interval: 3.46' - 20.46' Total Depth: 20.46'	10/19/2016	1653.95	6.18	1647.77	0.00	Characterization	<1.0	<1.0	<1.0	<1.0	<2.0	<1.0	<3.0	<1.0	<1.0
	11/30/2016	1653.95	4.63	1649.32	0.00	Characterization	<1.0	<1.0	<1.0	<1.0	<2.0	<1.0	<3.0	<1.0	<1.0
	2/22/2017	1653.95	4.21	1649.74	0.00	Characterization	<1.0	<1.0	<1.0	<1.0	<2.0	<1.0	<3.0	<1.0	<1.0
	5/1/2017	1653.95	4.50	1649.45	0.00	Characterization	<1.0	<1.0	<1.0	<1.0	<2.0	<1.0	<3.0	<1.0	<1.0
	7/29/2017	1653.95	3.05	1650.90	0.00	Characterization	<1.0	<1.0	<1.0	<1.0	<2.0	<1.0	<3.0	<1.0	<1.0
	11/2/2017	1653.95	4.48	1649.47	0.00	Characterization	<1.0	<1.0	<1.0	<1.0	<2.0	<1.0	<3.0	<1.0	<1.0
	12/9/2017	1653.95	5.35	1648.60	0.00	Characterization	<1.0	<1.0	<1.0	<1.0	<2.0	<1.0	<3.0	<1.0	<1.0

NM Not Measured
MTBE Methyl Tert Butyl Ether
1,2,4-TMB 1,2,4-Trimethylbenzene
1,3,5-TMB 1,3,5-Trimethylbenzene

NS Not Sampled
NA Not Applicable
E Estimated Value

Non-Residential Groundwater Statewide Health Standard Screening Values Included in Table 1 of the PADEP's Land Recycling Program Technical Guidance Manual for Vapor Intrusion into Buildings from Groundwater and Soil under Act 2 (Document #261-0300-101) dated January 18, 2017.

Shaded values indicate Exceedance of the Screening Values within applicable horizontal proximity distance
Proximity Distance = 30.0' with exception of MTBE (100.0')

Notes:

- 1.) Screened Interval and Total Depth measurements from grade
- 2.) Well Head Elevation and Depth to

01/05/18

Table U-1
Site Characterization Activities
Pump-n-Party #001 Property
Groundwater Analytical Data vs. PADEP VI Screening Values (ug/l)
Groundwater Monitoring Wells

Well Number	Date Sampled	Well Head Elevation (feet)	Depth to Groundwater (feet) ¹	Relative Groundwater Elevation (feet)	Product Thickness (feet)	Remediation Status	Benzene (ug/L)	Ethylbenzene (ug/L)	Cumene (ug/L)	MTBE (ug/L)	Naphthalene (ug/L)	Toluene (ug/L)	Xylenes (ug/L)	1,2,4-TMB (ug/L)	1,3,5-TMB (ug/L)
							350.0	860.0	24,000.0	96,000.0	1,300.0	430,00.0	12,000.0	760.0	1,200.0
MW-7 Distance to Nearest Building = 112.0' Screened Interval: 3.35' - 15.35' Total Depth: 15.35'	10/19/2016	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	11/30/2016	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	2/22/2017	1653.00	3.62	1649.38	0.00	Characterization	<1.0	<1.0	<1.0	<1.0	<2.0	<1.0	<3.0	<1.0	<1.0
	5/22/2017	1653.00	3.82	1649.18	0.00	Characterization	<1.0	<1.0	<1.0	<1.0	<2.0	<1.0	<3.0	<1.0	<1.0
	7/24/2017	1653.00	3.10	1649.90	0.00	Characterization	<1.0	<1.0	<1.0	<1.0	<2.0	<1.0	<3.0	<1.0	<1.0
	11/3/2017	1653.00	3.87	1649.13	0.00	Characterization	<1.0	<1.0	<1.0	<1.0	<2.0	<1.0	<3.0	<1.0	<1.0
	12/4/2017	1653.00	4.10	1648.90	0.00	Characterization	<1.0	<1.0	<1.0	<1.0	<2.0	<1.0	<3.0	<1.0	<1.0
MW-8 Distance to Nearest Building = 68.0' Screened Interval: 3.32' - 20.32' Total Depth: 20.32'	10/19/2016	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	11/30/2016	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	2/22/2017	1653.13	4.46	1648.67	0.00	Characterization	<1.0	<1.0	<1.0	<1.0	<2.0	<1.0	<3.0	<1.0	<1.0
	5/22/2017	1653.13	4.43	1648.70	0.00	Characterization	<1.0	<1.0	<1.0	<1.0	<2.0	<1.0	<3.0	<1.0	<1.0
	7/24/2017	1653.13	3.81	1649.32	0.00	Characterization	<1.0	<1.0	<1.0	<1.0	<2.0	<1.0	<3.0	<1.0	<1.0
	11/2/2017	1653.13	4.83	1648.30	0.00	Characterization	<1.0	<1.0	<1.0	<1.0	<2.0	<1.0	<3.0	<1.0	<1.0
	12/4/2017	1653.13	5.11	1648.02	0.00	Characterization	<1.0	<1.0	<1.0	<1.0	<2.0	<1.0	<3.0	<1.0	<1.0
MW-9 Distance to Nearest Building = 61.0' Screened Interval: 3.46' - 20.46' Total Depth: 20.46'	10/19/2016	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	11/30/2016	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	2/22/2017	1651.75	4.66	1647.09	0.00	Characterization	<1.0	<1.0	<1.0	<1.0	<2.0	<1.0	<3.0	<1.0	<1.0
	5/22/2017	1651.75	4.83	1646.92	0.00	Characterization	<1.0	<1.0	<1.0	<1.0	<2.0	<1.0	<3.0	<1.0	<1.0
	7/24/2017	1651.75	3.96	1647.79	0.00	Characterization	<1.0	<1.0	<1.0	<1.0	<2.0	<1.0	<3.0	<1.0	<1.0
	11/2/2017	1651.75	5.01	1646.74	0.00	Characterization	<1.0	<1.0	<1.0	<1.0	<2.0	<1.0	<3.0	<1.0	<1.0
	12/4/2017	1651.75	5.28	1646.47	0.00	Characterization	<1.0	<1.0	<1.0	<1.0	<2.0	<1.0	<3.0	<1.0	<1.0

NM Not Measured
MTBE Methyl Tert Butyl Ether
1,2,4-TMB 1,2,4-Trimethylbenzene
1,3,5-TMB 1,3,5-Trimethylbenzene

NS Not Sampled
NA Not Applicable
E Estimated Value

Non-Residential Groundwater Statewide Health Standard Screening Values Included in Table 1 of the PADEP's Land Recycling Program Technical Guidance Manual for Vapor Intrusion into Buildings from Groundwater and Soil under Act 2 (Document #261-0300-101) dated January 18, 2017.

Shaded values indicate Exceedance of the Screening Values within applicable horizontal proximity distance
Proximity Distance = 30.0' with exception of MTBE (100.0')

Notes:

- 1.) Screened Interval and Total Depth measurements from grade
- 2.) Well Head Elevation and Depth to

01/05/18

Table U-1
Site Characterization Activities
Pump-n-Party #001 Property
Groundwater Analytical Data vs. PADEP VI Screening Values (ug/l)
Groundwater Monitoring Wells

Well Number	Date Sampled	Well Head Elevation (feet)	Depth to Groundwater (feet)*	Relative Groundwater Elevation (feet)	Product Thickness (feet)	Remediation Status	Benzene (ug/L)	Ethylbenzene (ug/L)	Cumene (ug/l)	MTBE (ug/L)	Naphthalene (ug/L)	Toluene (ug/L)	Xylenes (ug/L)	1,2,4-TMB (ug/L)	1,3,5-TMB (ug/L)
							390.0	860.0	24,000.0	96,000.0	1,300.0	430,00.0	12,000.0	760.0	1,200.0
MW-10 Distance to Nearest Building = 90.0' Screened Interval: 3.35' - 15.35' Total Depth: 15.35'	10/19/2016	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	11/30/2016	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	2/22/2017	1648.98	5.66	1643.32	0.00	Characterization	<1.0	<1.0	<1.0	<1.0	<2.0	<1.0	<3.0	<1.0	<1.0
	5/22/2017	1648.98	5.82	1643.16	0.00	Characterization	<1.0	<1.0	<1.0	<1.0	<2.0	<1.0	<3.0	<1.0	<1.0
	7/29/2017	1648.98	4.98	1644.00	0.00	Characterization	<1.0	<1.0	<1.0	<1.0	<2.0	<1.0	<3.0	<1.0	<1.0
	11/2/2017	1648.98	5.77	1643.21	0.00	Characterization	<1.0	<1.0	<1.0	<1.0	<2.0	<1.0	<3.0	<1.0	<1.0
	12/4/2017	1648.98	6.11	1642.87	0.00	Characterization	<1.0	<1.0	<1.0	<1.0	<2.0	<1.0	<3.0	<1.0	<1.0
MW-11 Distance to Nearest Building = 41.0' Screened Interval: 3.32' - 20.32' Total Depth: 20.32'	10/19/2016	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	11/30/2016	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	2/22/2017	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	5/12/2017	1650.45	3.91	1646.54	0.00	Characterization	<1.0	<1.0	<1.0	<1.0	<2.0	<1.0	<3.0	<1.0	<1.0
	7/29/2017	1650.45	2.80	1647.65	0.00	Characterization	<1.0	<1.0	<1.0	<1.0	<2.0	<1.0	<3.0	<1.0	<1.0
	11/2/2017	1650.45	3.92	1646.53	0.00	Characterization	<1.0	<1.0	<1.0	<1.0	<2.0	<1.0	<3.0	<1.0	<1.0
	12/4/2017	1650.45	4.18	1646.27	0.00	Characterization	<1.0	<1.0	<1.0	<1.0	<2.0	<1.0	<3.0	<1.0	<1.0
MW-12 Distance to Nearest Building = 168.0' Screened Interval: 3.46' - 20.46' Total Depth: 20.46'	10/19/2016	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	11/30/2016	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	2/22/2017	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	5/22/2017	1648.39	5.88	1642.51	0.00	Characterization	4.3	<1.0	<1.0	<1.0	<2.0	1.5	<3.0	<1.0	<1.0
	7/29/2017	1648.39	5.07	1643.32	0.00	Characterization	1.3	<1.0	<1.0	<1.0	<2.0	<1.0	<3.0	<1.0	<1.0
	11/2/2017	1648.39	5.81	1642.58	0.00	Characterization	<1.0	<1.0	<1.0	<1.0	<2.0	<1.0	<3.0	<1.0	<1.0
	12/4/2017	1648.39	6.12	1642.27	0.00	Characterization	<1.0	<1.0	<1.0	<1.0	<2.0	<1.0	<3.0	<1.0	<1.0

NM Not Measured
MTBE Methyl Tert Butyl Ether
1,2,4-TMB 1,2,4-Trimethylbenzene
1,3,5-TMB 1,3,5-Trimethylbenzene

NS Not Sampled
NA Not Applicable
E Estimated Value

Non-Residential Groundwater Statewide Health Standard Screening Values Included in Table 1 of the PADEP's Land Recycling Program Technical Guidance Manual for Vapor Intrusion into Buildings from Groundwater and Soil under Act 2 (Document #261-0300-101) dated January 18, 2017.

Shaded values indicate Exceedance of the Screening Values within applicable horizontal proximity distance
Proximity Distance = 30.0' with exception of MTBE (100.0')

Notes:

- 1.) Screened Interval and Total Depth measurements from grade
- 2.) Well Head Elevation and Depth to

01/05/18

Table U-1
Site Characterization Activities
Pump-n-Party #001 Property
Groundwater Analytical Data vs. PADEP VI Screening Values (ug/l)
Groundwater Monitoring Wells

Well Number	Date Sampled	Well Head Elevation (feet)	Depth to Groundwater (feet)*	Relative Groundwater Elevation (feet)	Product Thickness (feet)	Remediation Status	Benzene (ug/L)	Ethylbenzene (ug/L)	Cumene (ug/l)	MTBE (ug/L)	Naphthalene (ug/L)	Toluene (ug/L)	Xylenes (ug/L)	1,2,4-TMB (ug/L)	1,3,5-TMB (ug/L)
							390.0	860.0	24,000.0	96,000.0	1,300.0	430,00.0	12,000.0	760.0	1,200.0
MW-13 Distance to Nearest Building = 185.0' Screened Interval: 3.32' - 20.32' Total Depth: 20.32'	10/19/2016	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	11/30/2016	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	2/22/2017	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	5/12/2017	1645.56	3.14	1642.42	0.00	Characterization	<1.0	<1.0	<1.0	<1.0	<2.0	<1.0	<3.0	<1.0	<1.0
	7/29/2017	1645.56	2.49	1643.07	0.00	Characterization	<1.0	<1.0	<1.0	<1.0	<2.0	<1.0	<3.0	<1.0	<1.0
	11/2/2017	1645.56	3.10	1642.46	0.00	Characterization	<1.0	<1.0	<1.0	<1.0	<2.0	<1.0	<3.0	<1.0	<1.0
	12/4/2017	1645.56	3.37	1642.19	0.00	Characterization	<1.0	<1.0	<1.0	<1.0	<2.0	<1.0	<3.0	<1.0	<1.0
MW-14 Distance to Nearest Building = 179.0' Screened Interval: 3.46' - 20.46' Total Depth: 20.46'	10/19/2016	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	11/30/2016	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	2/22/2017	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	5/12/2017	1647.34	4.25	1643.09	0.00	Characterization	<1.0	<1.0	<1.0	<1.0	<2.0	<1.0	<3.0	<1.0	<1.0
	7/29/2017	1647.34	3.33	1644.01	0.00	Characterization	<1.0	<1.0	<1.0	<1.0	<2.0	<1.0	<3.0	<1.0	<1.0
	11/2/2017	1647.34	4.44	1642.90	0.00	Characterization	<1.0	<1.0	<1.0	<1.0	<2.0	<1.0	<3.0	<1.0	<1.0
	12/4/2017	1647.34	4.77	1642.57	0.00	Characterization	<1.0	<1.0	<1.0	<1.0	<2.0	<1.0	<3.0	<1.0	<1.0
MW-15 Distance to Nearest Building = 85.0' Screened Interval: 2.60' - 19.60' Total Depth: 19.60'	10/19/2016	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	11/30/2016	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	2/22/2017	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	5/12/2017	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	7/29/2017	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	11/3/2017	1654.07	4.47	1649.60	0.00	Characterization	552.0	1240.0	176.0	<5.0	179.0	2420.0	3950.0	967.0	172.0
	12/9/2017	1654.07	5.11	1648.96	0.00	Characterization	498.0	1170.0	186.0	<5.0	139.0	1730.0	3150.0	990.0	157.0

NM Not Measured
MTBE Methyl Tert Butyl Ether
1,2,4-TMB 1,2,4-Trimethylbenzene
1,3,5-TMB 1,3,5-Trimethylbenzene

NS Not Sampled
NA Not Applicable
E Estimated Value

Non-Residential Groundwater Statewide Health Standard Screening Values Included in Table 1 of the PADEP's Land Recycling Program Technical Guidance Manual for Vapor Intrusion into Buildings from Groundwater and Soil under Act 2 (Document #261-0300-101) dated January 18, 2017.

Shaded values Indicate Exceedance of the Screening Values within applicable horizontal proximity distance
Proximity Distance = 30.0' with exception of MTBE (100.0')

Notes:

- 1.) Screened Interval and Total Depth measurements from grade
- 2.) Well Head Elevation and Depth to

01/05/18

Table U-1
Site Characterization Activities
Pump-n-Party #001 Property
Groundwater Analytical Data vs. PADEP VI Screening Values (ug/l)
Groundwater Monitoring Wells

Well Number	Date Sampled	Well Head Elevation (feet)	Depth to Groundwater (feet)*	Relative Groundwater Elevation (feet)	Product Thickness (feet)	Remediation Status	Benzene	Ethylbenzene	Cumene	MTBE	Naphthalene	Toluene	Xylenes	1,2,4-TMB	1,3,5-TMB
							(ug/L)	(ug/L)	(ug/l)	(ug/L)	(ug/L)	(ug/L)	(ug/L)	(ug/L)	(ug/L)
OW-1 Distance to Nearest Building = 95.0' Screened Interval: 3.80' - 13.35' Total Depth: 13.35'	10/19/2016	1653.44	5.74	1647.70	0.00	Characterization	350.0	860.0	24,000.0	96,000.0	1,300.0	430,00.0	12,000.0	750.0	1,200.0
	11/30/2016	1653.44	4.50	1648.94	0.00	Characterization	<1.0	<1.0	<1.0	<1.0	<2.0	<1.0	<3.0	<1.0	<1.0
	2/22/2017	1653.44	3.38	1650.06	0.00	Characterization	<1.0	<1.0	<1.0	<1.0	<2.0	<1.0	<3.0	<1.0	<1.0
	5/12/2017	1653.44	4.44	1649.00	0.00	Characterization	<1.0	<1.0	<1.0	<1.0	<2.0	<1.0	<3.0	<1.0	<1.0
	7/24/2017	1653.44	4.18	1649.26	0.00	Characterization	<1.0	<1.0	<1.0	<1.0	<2.0	<1.0	<3.0	<1.0	<1.0
	11/2/2017	1653.44	4.49	1648.95	0.00	Characterization	<1.0	<1.0	<1.0	<1.0	<2.0	<1.0	<3.0	<1.0	<1.0
	12/4/2017	1653.44	4.96	1648.48	0.00	Characterization	<1.0	<1.0	<1.0	<1.0	<2.0	<1.0	<3.0	<1.0	<1.0
OW-2 Distance to Nearest Building = 58.0' Screened Interval: 3.84' - 12.59' Total Depth: 12.59'	10/19/2016	1652.39	4.70	1647.69	0.00	Characterization	<1.0	<1.0	<1.0	<1.0	<2.0	<1.0	<3.0	<1.0	<1.0
	11/30/2016	1652.39	3.44	1648.95	0.00	Characterization	<1.0	<1.0	<1.0	<1.0	<2.0	<1.0	<3.0	<1.0	<1.0
	2/22/2017	1652.39	4.42	1647.97	0.00	Characterization	<1.0	<1.0	<1.0	<1.0	<2.0	<1.0	<3.0	<1.0	<1.0
	5/12/2017	1652.39	3.39	1649.00	0.00	Characterization	<1.0	<1.0	<1.0	<1.0	<2.0	<1.0	<3.0	<1.0	<1.0
	7/24/2017	1652.39	3.13	1649.26	0.00	Characterization	<1.0	<1.0	<1.0	<1.0	<2.0	<1.0	<3.0	<1.0	<1.0
	11/2/2017	1652.39	3.41	1648.98	0.00	Characterization	<1.0	<1.0	<1.0	<1.0	<2.0	<1.0	<3.0	<1.0	<1.0
	12/4/2017	1652.39	3.88	1648.51	0.00	Characterization	<1.0	<1.0	<1.0	<1.0	<2.0	<1.0	<3.0	<1.0	<1.0

NM Not Measured
MTBE Methyl Tert Butyl Ether
1,2,4-TMB 1,2,4-Trimethylbenzene
1,3,5-TMB 1,3,5-Trimethylbenzene

NS Not Sampled
NA Not Applicable
E Estimated Value

Non-Residential Groundwater Statewide Health Standard Screening Values Included in Table 1 of the PADEP's Land Recycling Program Technical Guidance Manual for Vapor Intrusion into Buildings from Groundwater and Soil under Act 2 (Document #261-0300-101) dated January 18, 2017.

Shaded values indicate Exceedance of the Screening Values within applicable horizontal proximity distance
Proximity Distance = 30.0' with exception of MTBE (100.0')

Notes:

- 1.) Screened Interval and Total Depth measurements from grade
- 2.) Well Head Elevation and Depth to

01/05/18

Table U-1
Site Characterization Activities
Pump-n-Party #001 Property
Groundwater Analytical Data vs. PADEP VI Screening Values (ug/l)
Groundwater Monitoring Wells

Well Number	Date Sampled	Well Head Elevation (feet)	Depth to Groundwater (feet)*	Relative Groundwater Elevation (feet)	Product Thickness (feet)	Remediation Status	Benzene (ug/L)	Ethylbenzene (ug/L)	Cumene (ug/l)	MTBE (ug/L)	Naphthalene (ug/L)	Toluene (ug/L)	Xylenes (ug/L)	1,2,4-TMB (ug/L)	1,3,5-TMB (ug/L)
OW-3	NA	NA	NA	NA	NA	NA	390.0	860.0	24,000.0	96,000.0	1,300.0	430,00.0	12,000.0	760.0	1,200.0
	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	5/1/2017	1650.70	4.03	1646.67	0.00	Characterization	<1.0	<1.0	<1.0	<1.0	<2.0	1.3	3.8	<1.0	<1.0
	7/24/2017	1650.70	3.56	1647.14	0.00	Characterization	<1.0	<1.0	<1.0	<1.0	<2.0	<1.0	5.0	<1.0	<1.0
	11/2/2017	1650.70	4.26	1646.44	0.00	Characterization	<1.0	<1.0	<1.0	<1.0	<2.0	<1.0	<3.0	<1.0	<1.0
	12/4/2017	1650.70	4.39	1646.31	0.00	Characterization	<1.0	<1.0	<1.0	<1.0	<2.0	<1.0	<3.0	<1.0	<1.0
OW-4	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	5/1/2017	1649.74	3.63	1645.11	0.00	Characterization	168	827	32.4	3.4	82.5	4800	5260	816	166
	7/24/2017	1649.74	3.14	1646.60	0.00	Characterization	43.9	661.0	64.2	1.4	140	1360	11100	2340	763
	11/2/2017	1649.74	3.82	1645.92	0.00	Characterization	<1.0	<1.0	<1.0	<1.0	<2.0	<1.0	<3.0	<1.0	<1.0
	12/4/2017	1649.74	3.96	1645.78	0.00	Characterization	<1.0	<1.0	<1.0	<1.0	<2.0	<1.0	<3.0	<1.0	<1.0

NM Not Measured
 MTBE Methyl Tert Butyl Ether
 1,2,4-TMB 1,2,4-Trimethylbenzene
 1,3,5-TMB 1,3,5-Trimethylbenzene
 NS Not Sampled
 NA Not Applicable
 E Estimated Value

Non-Residential Groundwater Statewide Health Standard Screening Values Included in Table 1 of the PADEP's Land Recycling Program Technical Guidance Manual for Vapor Intrusion into Buildings from Groundwater and Soil under Act 2 (Document #261-0300-101) dated January 18, 2017.

Shaded values Indicate Exceedance of the Screening Values within applicable horizontal proximity distance
 Proximity Distance = 30.0' with exception of MTBE (100.0')

Notes:

- 1.) Screened Interval and Total Depth measurements from grade
- 2.) Well Head Elevation and Depth to

01/05/18

Table U-1
Site Characterization Activities
Pump-n-Treat #001 Property
Groundwater Analytical Data vs. PADEP VI Screening Values (ug/l)
Groundwater Monitoring Wells

Well Number	Date Sampled	Well Head Elevation (feet)	Depth to Groundwater (feet)*	Relative Groundwater Elevation (feet)	Product Thickness (feet)	Remediation Status	Benzene (ug/L)	Ethylbenzene (ug/L)	Cumene (ug/L)	MTBE (ug/L)	Naphthalene (ug/L)	Toluene (ug/L)	Xylenes (ug/L)	1,2,4-TMB (ug/L)	1,3,5-TMB (ug/L)
RW-1 Distance to Nearest Building = 170.0'	NA	NA	NA	NA	NA	NA	390.0	860.0	24,000.0	96,000.0	1,300.0	430,00.0	12,000.0	760.0	1,200.0
	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	5/1/2017	1651.54	8.67	1642.87	0.00	Characterization	43.6	17.5	1.5	2.1	7.6	67.2	231	53.5	20.7
	7/24/2017	1651.54	8.59	1642.95	0.00	Characterization	<1.0	<1.0	<1.0	<1.0	<2.0	<1.0	<3.0	<1.0	<1.0
	11/2/2017	1651.54	8.78	1642.76	0.00	Characterization	<1.0	<1.0	<1.0	<1.0	<2.0	<1.0	<3.0	1.6	<1.0
	12/4/2017	1651.54	8.95	1642.59	0.00	Characterization	<1.0	<1.0	<1.0	<1.0	<2.0	<1.0	<3.0	1.5	<1.0

NM Not Measured
MTBE Methyl Tert Butyl Ether
1,2,4-TMB 1,2,4-Trimethylbenzene
1,3,5-TMB 1,3,5-Trimethylbenzene

NS Not Sampled
NA Not Applicable
E Estimated Value

Non-Residential Groundwater Statewide Health Standard Screening Values Included in Table 1 of the PADEP's Land Recycling Program Technical Guidance Manual for Vapor Intrusion into Buildings from Groundwater and Soil under Act 2 (Document #261-0300-101) dated January 18, 2017.

Notes: Shaded values indicate Exceedance of the Screening Values within applicable horizontal proximity distance
Proximity Distance = 30.0' with exception of MTBE (100.0')

- 1.) Screened Interval and Total Depth measurements from grade
2.) Well Head Elevation and Depth to

APPENDIX V

PNDI Report Receipt

1. PROJECT INFORMATION

Project Name: **Pump-n-Pantry #001 Property**

Date of Review: **1/2/2018 01:42:06 PM**

Project Category: **Hazardous Waste Clean-up, Site Remediation, and Reclamation, Spill (e.g., oil, chemical)**

Project Area: **2.92 acres**

County(s): **Susquehanna**

Township/Municipality(s): **BRIDGEWATER**

ZIP Code: **18801**

Quadrangle Name(s): **MONTROSE EAST**

Watersheds HUC 8: **Upper Susquehanna; Upper Susquehanna-Tunkhannock**

Watersheds HUC 12: **Deer Lick Creek-East Branch Wyalusing Creek; Snake Creek**

Decimal Degrees: **41.838392, -75.862225**

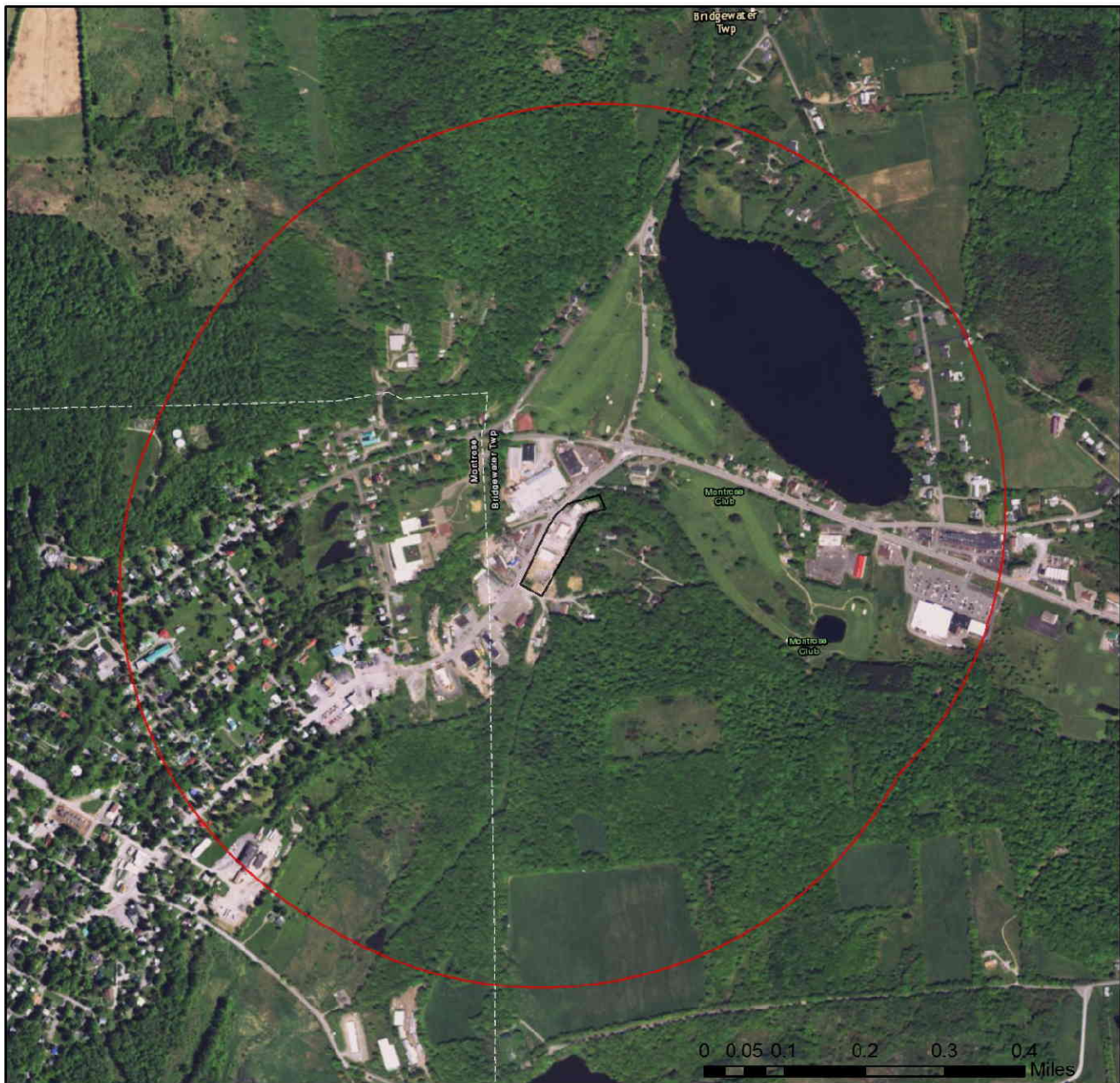
Degrees Minutes Seconds: **41° 50' 18.2129" N, 75° 51' 44.90" W**

2. SEARCH RESULTS

Agency	Results	Response
PA Game Commission	No Known Impact	No Further Review Required
PA Department of Conservation and Natural Resources	No Known Impact	No Further Review Required
PA Fish and Boat Commission	No Known Impact	No Further Review Required
U.S. Fish and Wildlife Service	No Known Impact	No Further Review Required

As summarized above, Pennsylvania Natural Diversity Inventory (PNDI) records indicate no known impacts to threatened and endangered species and/or special concern species and resources within the project area. Therefore, based on the information you provided, no further coordination is required with the jurisdictional agencies. This response does not reflect potential agency concerns regarding impacts to other ecological resources, such as wetlands.

Pump-n-Pantry #001 Property

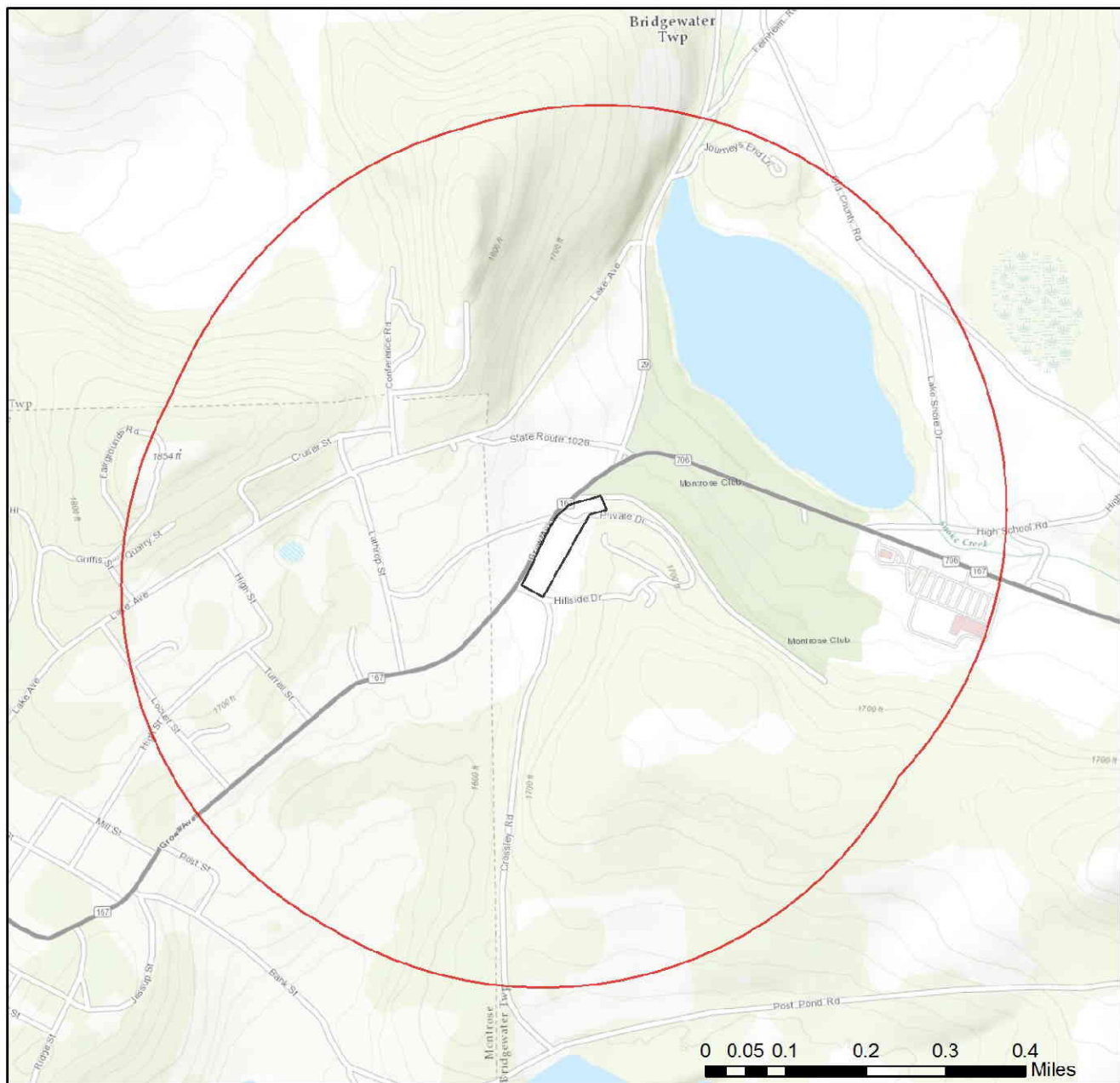


- ☐ Project Boundary
- ☐ Buffered Project Boundary

Service Layer Credits: Sources: Esri, HERE, DeLorme, Intermap, increment P Corp., GEBCO, USGS, FAO, NPS, NRCAN, GeoBase, IGN, Kadaster NL, Ordnance Survey, Esri Japan, METI, Esri China (Hong Kong), swisstopo, MapmyIndia, © OpenStreetMap contributors, and the GIS User Community
Esri, HERE, DeLorme, MapmyIndia, © OpenStreetMap contributors, and the GIS user



Pump-n-Pantry #001 Property



- ☐ Project Boundary
- ☐ Buffered Project Boundary

Service Layer Credits: Sources: Esri, HERE, DeLorme, Intermap, increment P Corp., GEBCO, USGS, FAO, NPS, NRCAN, GeoBase, IGN, Kadaster NL, Ordnance Survey, Esri Japan, METI, Esri China (Hong Kong), swisstopo, MapmyIndia, © OpenStreetMap contributors, and the GIS User Community



3. AGENCY COMMENTS

Regardless of whether a DEP permit is necessary for this proposed project, any potential impacts to threatened and endangered species and/or special concern species and resources must be resolved with the appropriate jurisdictional agency. In some cases, a permit or authorization from the jurisdictional agency may be needed if adverse impacts to these species and habitats cannot be avoided.

These agency determinations and responses are **valid for two years** (from the date of the review), and are based on the project information that was provided, including the exact project location; the project type, description, and features; and any responses to questions that were generated during this search. If any of the following change: 1) project location, 2) project size or configuration, 3) project type, or 4) responses to the questions that were asked during the online review, the results of this review are not valid, and the review must be searched again via the PNDI Environmental Review Tool and resubmitted to the jurisdictional agencies. The PNDI tool is a primary screening tool, and a desktop review may reveal more or fewer impacts than what is listed on this PNDI receipt. The jurisdictional agencies **strongly advise against** conducting surveys for the species listed on the receipt prior to consultation with the agencies.

PA Game Commission

RESPONSE:

No Impact is anticipated to threatened and endangered species and/or special concern species and resources.

PA Department of Conservation and Natural Resources

RESPONSE:

No Impact is anticipated to threatened and endangered species and/or special concern species and resources.

PA Fish and Boat Commission

RESPONSE:

No Impact is anticipated to threatened and endangered species and/or special concern species and resources.

U.S. Fish and Wildlife Service

RESPONSE:

No impacts to **federally** listed or proposed species are anticipated. Therefore, no further consultation/coordination under the Endangered Species Act (87 Stat. 884, as amended; 16 U.S.C. 1531 et seq. is required. Because no take of federally listed species is anticipated, none is authorized. This response does not reflect potential Fish and Wildlife Service concerns under the Fish and Wildlife Coordination Act or other authorities.

4. DEP INFORMATION

The Pa Department of Environmental Protection (DEP) requires that a signed copy of this receipt, along with any required documentation from jurisdictional agencies concerning resolution of potential impacts, be submitted with applications for permits requiring PNDI review. Two review options are available to permit applicants for handling PNDI coordination in conjunction with DEP's permit review process involving either T&E Species or species of special concern. Under sequential review, the permit applicant performs a PNDI screening and completes all coordination with the appropriate jurisdictional agencies prior to submitting the permit application. The applicant will include with its application, both a PNDI receipt and/or a clearance letter from the jurisdictional agency if the PNDI Receipt shows a Potential Impact to a species or the applicant chooses to obtain letters directly from the jurisdictional agencies. Under concurrent review, DEP, where feasible, will allow technical review of the permit to occur concurrently with the T&E species consultation with the jurisdictional agency. The applicant must still supply a copy of the PNDI Receipt with its permit application. The PNDI Receipt should also be submitted to the appropriate agency according to directions on the PNDI Receipt. The applicant and the jurisdictional agency will work together to resolve the potential impact(s). See the DEP PNDI policy at <https://conservationexplorer.dcnr.pa.gov/content/resources>.

5. ADDITIONAL INFORMATION

The PNDI environmental review website is a preliminary screening tool. There are often delays in updating species status classifications. Because the proposed status represents the best available information regarding the conservation status of the species, state jurisdictional agency staff give the proposed statuses at least the same consideration as the current legal status. If surveys or further information reveal that a threatened and endangered and/or special concern species and resources exist in your project area, contact the appropriate jurisdictional agency/agencies immediately to identify and resolve any impacts.

For a list of species known to occur in the county where your project is located, please see the species lists by county found on the PA Natural Heritage Program (PNHP) home page (www.naturalheritage.state.pa.us). Also note that the PNDI Environmental Review Tool only contains information about species occurrences that have actually been reported to the PNHP.

6. AGENCY CONTACT INFORMATION

PA Department of Conservation and Natural Resources

Bureau of Forestry, Ecological Services Section
400 Market Street, PO Box 8552
Harrisburg, PA 17105-8552
Email: RA-HeritageReview@pa.gov

U.S. Fish and Wildlife Service

Pennsylvania Field Office
Endangered Species Section
110 Radnor Rd; Suite 101
State College, PA 16801
NO Faxes Please

PA Fish and Boat Commission

Division of Environmental Services
595 E. Rolling Ridge Dr., Bellefonte, PA 16823
Email: RA-FBPACENOTIFY@pa.gov

PA Game Commission

Bureau of Wildlife Habitat Management
Division of Environmental Planning and Habitat Protection
2001 Elmerton Avenue, Harrisburg, PA 17110-9797
Email: RA-PGC_PNDI@pa.gov
NO Faxes Please

7. PROJECT CONTACT INFORMATION

Name: _____
Company/Business Name: _____
Address: _____
City, State, Zip: _____
Phone: (____) _____ Fax: (____) _____
Email: _____

8. CERTIFICATION

I certify that ALL of the project information contained in this receipt (including project location, project size/configuration, project type, answers to questions) is true, accurate and complete. In addition, if the project type, location, size or configuration changes, or if the answers to any questions that were asked during this online review change, I agree to re-do the online environmental review.

applicant/project proponent signature

date

APPENDIX W

Well Inventory Records and Map

Map Search

You must be zoomed to the level where municipality names appear to search.

☐ Multiple Criteria ☒ Map

☒ Wells ☐ Springs

Data Packages: ☒ General Info ☐ Site Info ☐ Well Construction ☐ Hydrogeologic ☐ Geologic

☒
☐

☐ Include unlocated wells within intersected municipalities [Explain](#)

[Download Data Package](#)
[Clear Selections](#)
[Contact Us](#)

'Download Data Package' creates a data package-specific CSV file that you may open or download. If you choose to open the file, it may open in Excel (if you have Microsoft Office installed). Because of the relational nature of the database, there may be more than 1 line per well in the downloaded data. For data on public water supply wells, or water quality data, please see instructions.

[Instructions](#)

Total Records To Download : 12 Records

[View Items Below](#)

'View Items Below' creates a general list (not data package-specific) that contains links to individual well information. It is based on the search criteria entered. Not all of the records displayed below will necessarily have data corresponding to the data package you have selected.

For correct record counts after changing any search criteria or data package, you must click again on the "View Items Below" button.

Total Records Returned : 12 Records Click on the column headers to sort the Search Results.

<u>PA Well ID</u>	<u>Driller</u>	<u>Driller Ref</u>	<u>Date Drilled</u>	<u>Owner</u>	<u>County</u>	<u>Municipality</u>	<u>Image</u>
654456	ODYSSEY ENVIRONMENTAL SERVICES, INC.	ODY1765-MW15	9/13/2017	Pump-n-pantry	SUSQUEHANNA	BRIDGEWATER TWP.	
649416	ODYSSEY ENVIRONMENTAL SERVICES, INC.	ODY1727-MW14	4/20/2017	Pump-n-Pantry Inc.	SUSQUEHANNA	BRIDGEWATER TWP.	
649417	ODYSSEY ENVIRONMENTAL SERVICES, INC.	ODY1727-MW12	4/20/2017	Pump-n-Pantry Inc.	SUSQUEHANNA	BRIDGEWATER TWP.	
649400	ODYSSEY ENVIRONMENTAL SERVICES, INC.	ODY1727-MW11	4/19/2017	Pump-n-Pantry Inc.	SUSQUEHANNA	BRIDGEWATER TWP.	
649419	ODYSSEY ENVIRONMENTAL SERVICES, INC.	ODY1727-MW13	4/19/2017	Pump-n-Pantry Inc.	SUSQUEHANNA	BRIDGEWATER TWP.	
647666	ODYSSEY ENVIRONMENTAL SERVICES, INC.	ODY178-MW7	2/9/2017	Pump n Pantry c/o Scott Quigg	SUSQUEHANNA	BRIDGEWATER TWP.	
647667	ODYSSEY ENVIRONMENTAL SERVICES, INC.	ODY178-MW10	2/9/2017	Pump n Pantry c/o Scott Quigg	SUSQUEHANNA	BRIDGEWATER TWP.	
647652	ODYSSEY ENVIRONMENTAL SERVICES, INC.	ODY178-MW8	2/8/2017	Pump n Pantry c/o Scott Quigg	SUSQUEHANNA	BRIDGEWATER TWP.	
647653	ODYSSEY ENVIRONMENTAL SERVICES, INC.	ODY178-MW9	2/8/2017	Pump n Pantry c/o Scott Quigg	SUSQUEHANNA	BRIDGEWATER TWP.	
639445	EICHELBERGERS INC.	DN15011-MW06	9/8/2015	Diaz Manufacturing	SUSQUEHANNA	BRIDGEWATER TWP.	
639446	EICHELBERGERS INC.	DN15011-MW07	9/5/2015	Diaz Manufacturing	SUSQUEHANNA	BRIDGEWATER TWP.	
32170	UNKNOWN		1/1/1910	BORDENS FARM PRODUCT	SUSQUEHANNA	BRIDGEWATER TWP.	

Table W-1
Pump-n-Pantry #001 Property
Well Inventory Records
January 3, 2018

[illegible]

DEPARTMENT OF CONSERVATION & NATURAL RESOURCES
BUREAU OF TOPOGRAPHIC AND GEOLOGIC SURVEY
WATER WELL PROGRAM
3240 Schoolhouse Rd
Middletown, PA 17057
717-702-2017

WATER WELL INFORMATION REPORT

PA Well ID: **32170** Local Well ID: **SQ 16** Local Permit #:

LOCATION INFORMATION

Owner: **BORDENS FARM PRODUCT** Original Paper Record Image Available: **No**
Address of Well:
County: **SUSQUEHANNA**
Municipality: **BRIDGEWATER TWP.**
Latitude: **41.83778** Coordinate Method:
Longitude: **-75.86444** Data Reliability: **FIELD CHECKED BY REPORTING AGENCY (PaDag pest. survey)**

Description of Well Location and
Other Notes:

WELL CONSTRUCTION INFORMATION

Well Driller: **UNKNOWN** License: **1** Driller Well ID:
Type of Activity: Date Drilled: **1/1/1910** Drilling Method: **CABLE TOOL**
Well Depth (ft): **165** Well Finish: **OPEN HOLE**

CASING

<u>Top (ft)</u>	<u>Bottom (ft)</u>	<u>Diameter (in)</u>	<u>Casing Material</u>	<u>Seal Top</u>	<u>Seal Bottom</u>	<u>Seal Type</u>
0		6	UNKNOWN			

GROUNDWATER AND GEOLOGICAL INFORMATION

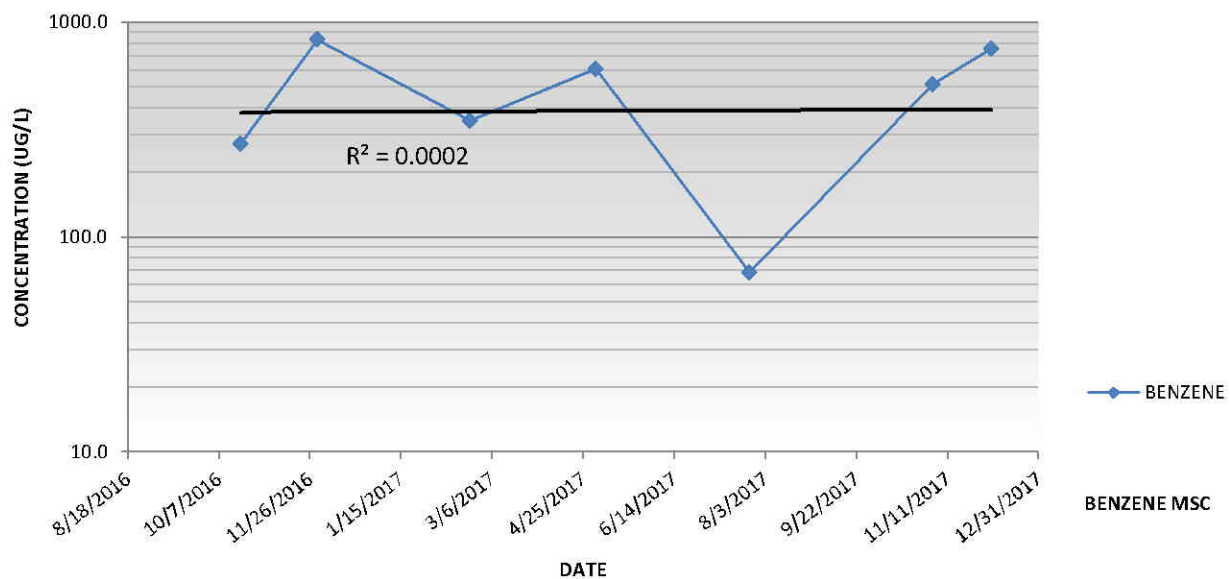
Well Yield (GPM - gal per min): **30** Yield Measurement Method:
Water Level when not pumped: (ft below land surface) **25** Water Level after yield test: (ft below land surface)
Length of Yield Test (minutes): Saltwater Zone (ft):
Use of Well: **WITHDRAWAL** Use of Water: **INDUSTRIAL**
Depth to Bedrock (ft): Was Well Drilled Into Bedrock? **Yes**

Date Printed: **1/3/2018**

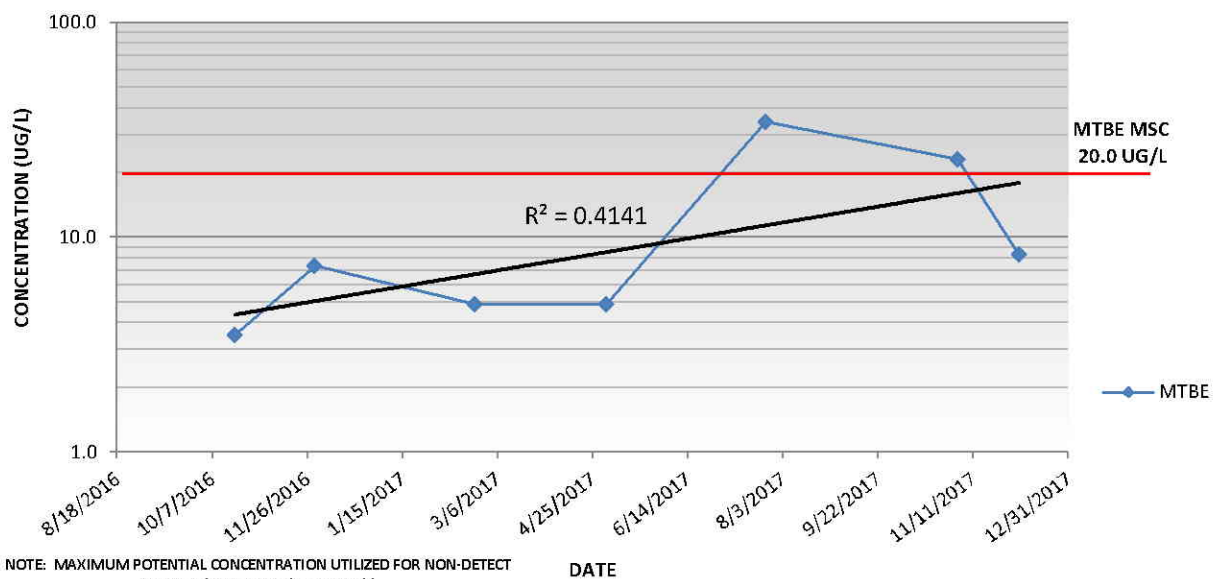
APPENDIX X

Temporal Trend Analysis Graphs

**MW-2
BENZENE VS TIME**

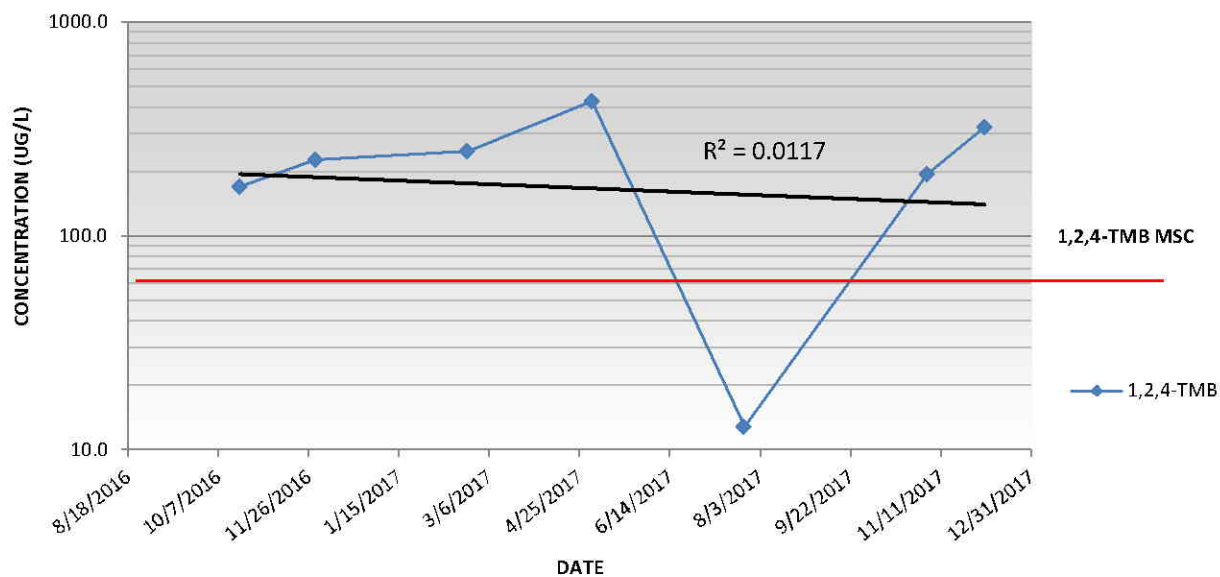


**MW-2
MTBE VS TIME**

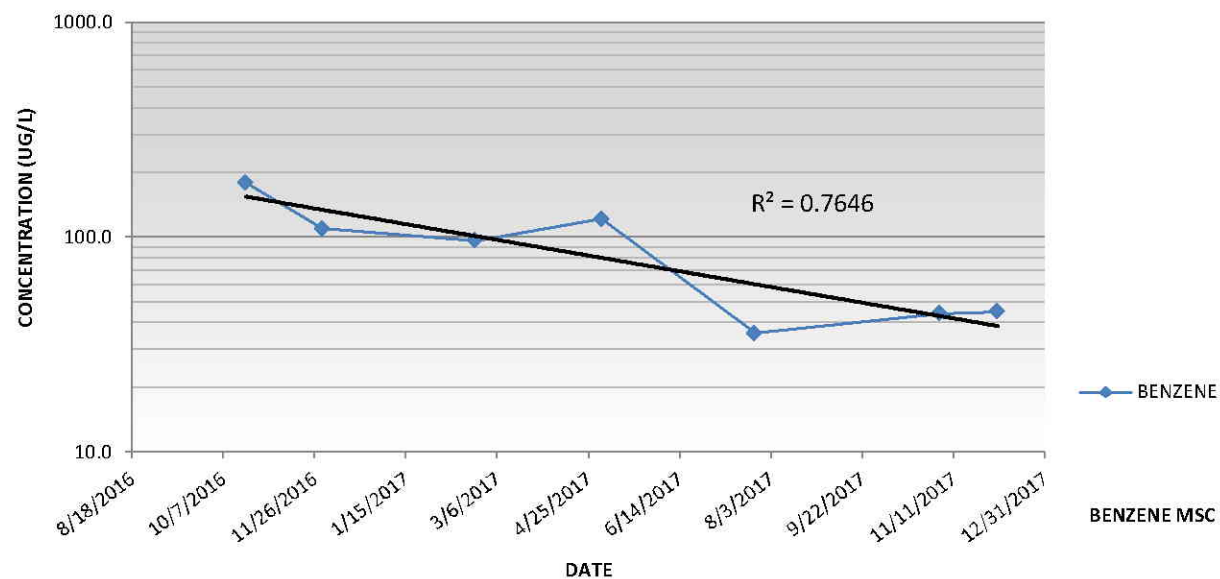


NOTE: MAXIMUM POTENTIAL CONCENTRATION UTILIZED FOR NON-DETECT RESULTS (I.E. <5.0 UG/L = 4.9 UG/L)

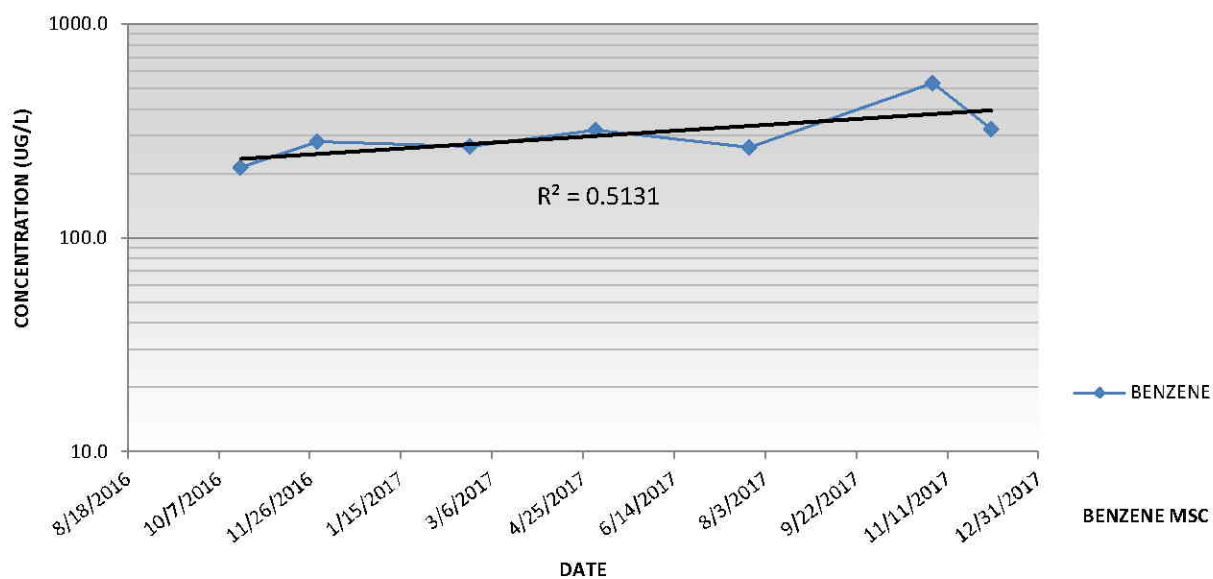
MW-2
1,2,4-TMB VS TIME



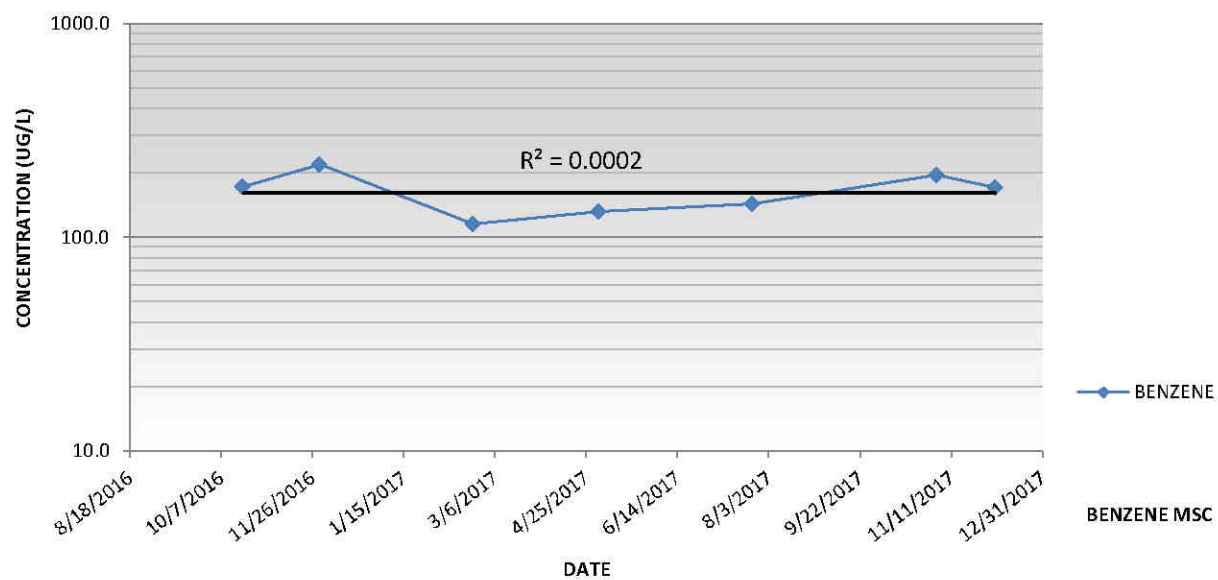
MW-3
BENZENE VS TIME



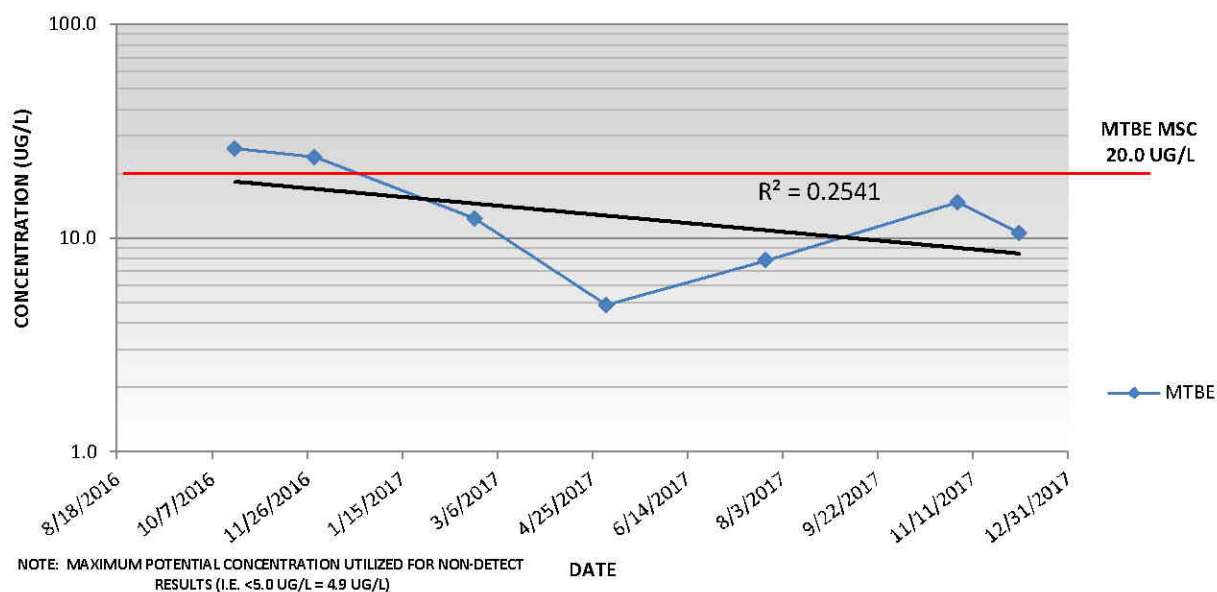
**MW-4
BENZENE VS TIME**



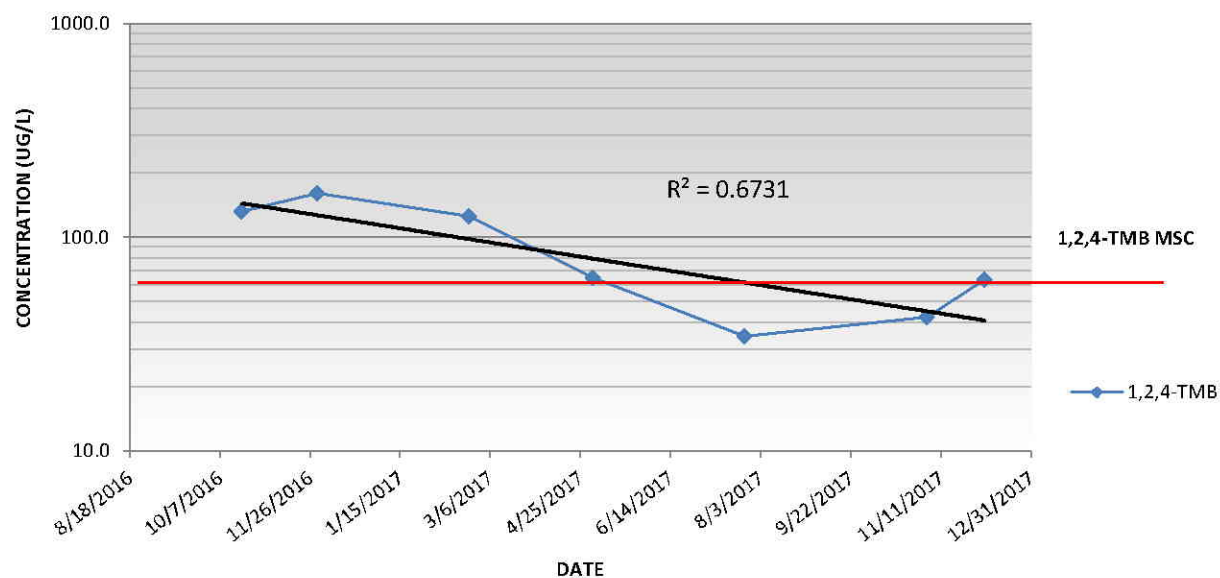
**MW-5
BENZENE VS TIME**



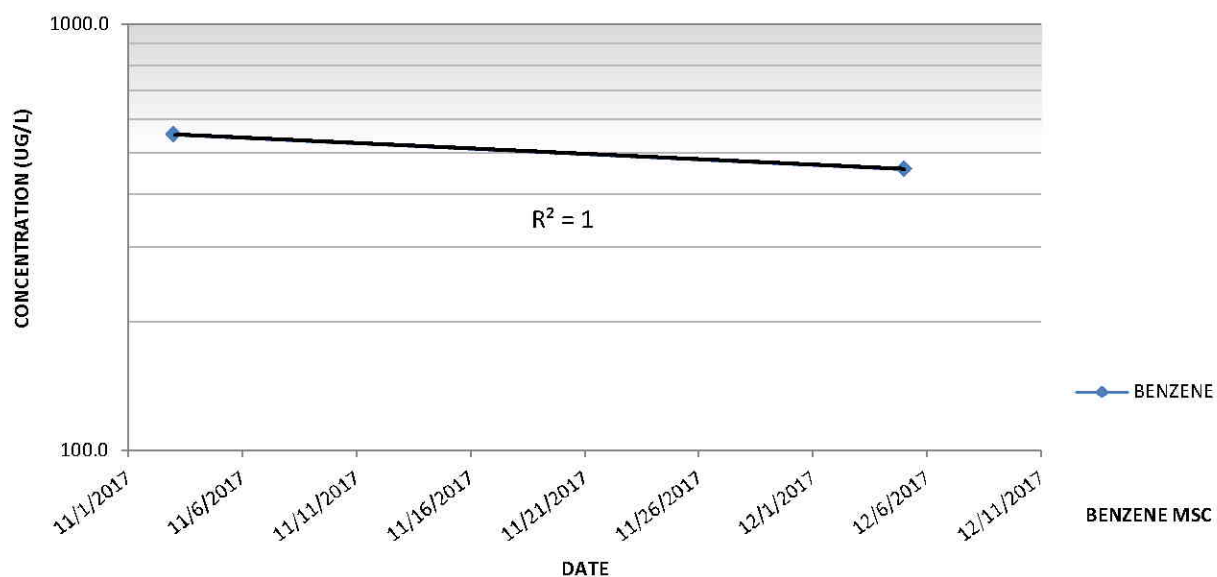
**MW-5
MTBE VS TIME**



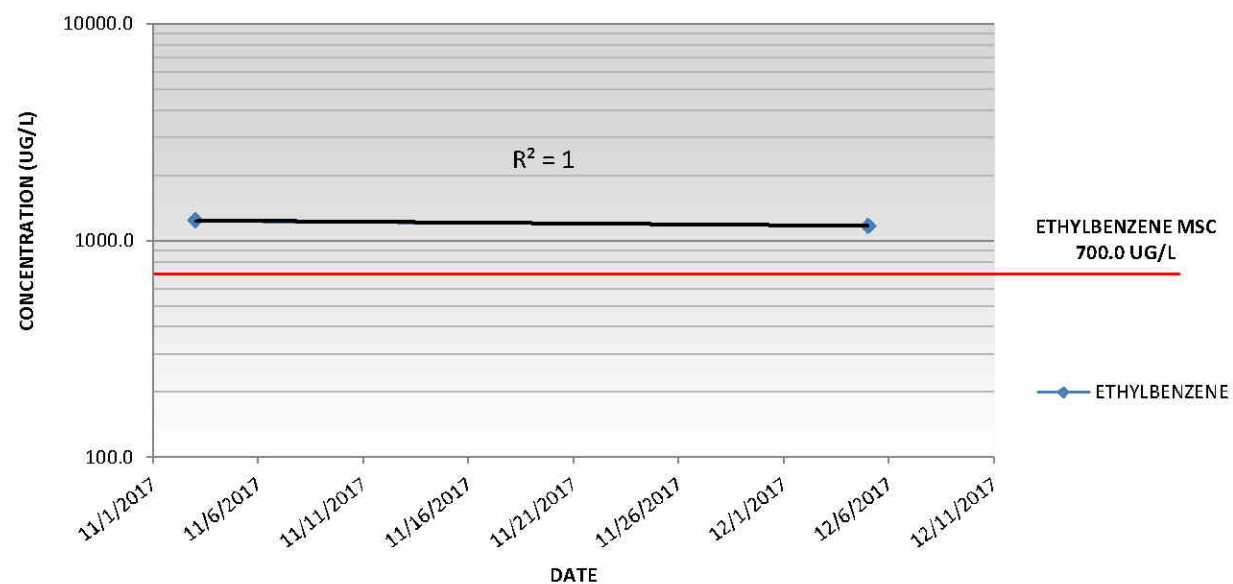
**MW-5
1,2,4-TMB VS TIME**



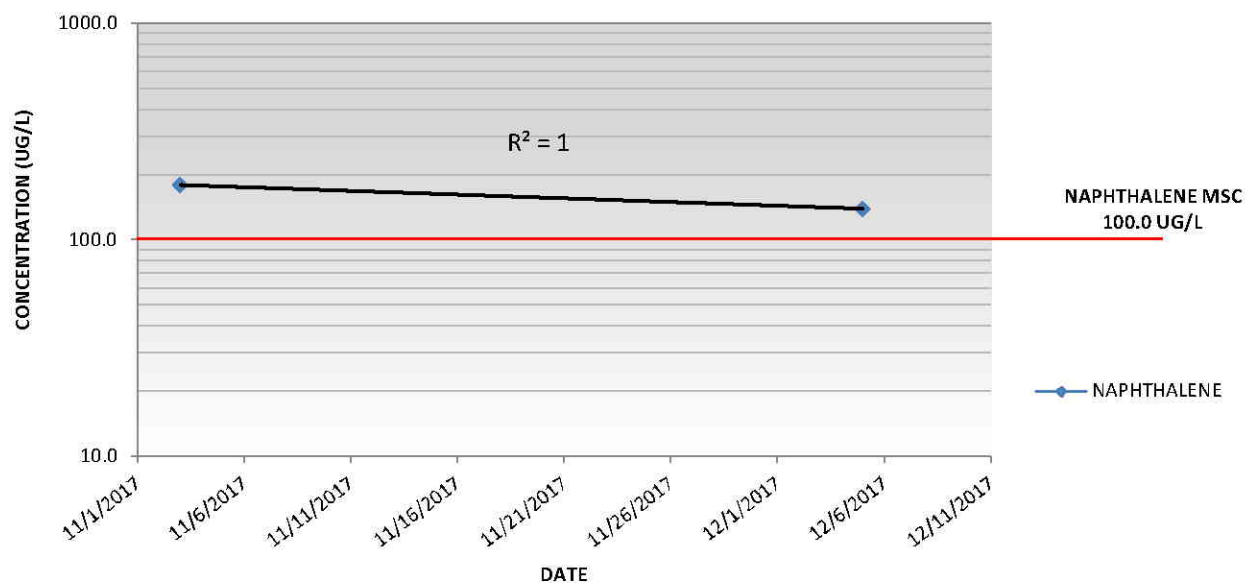
MW-15
BENZENE VS TIME



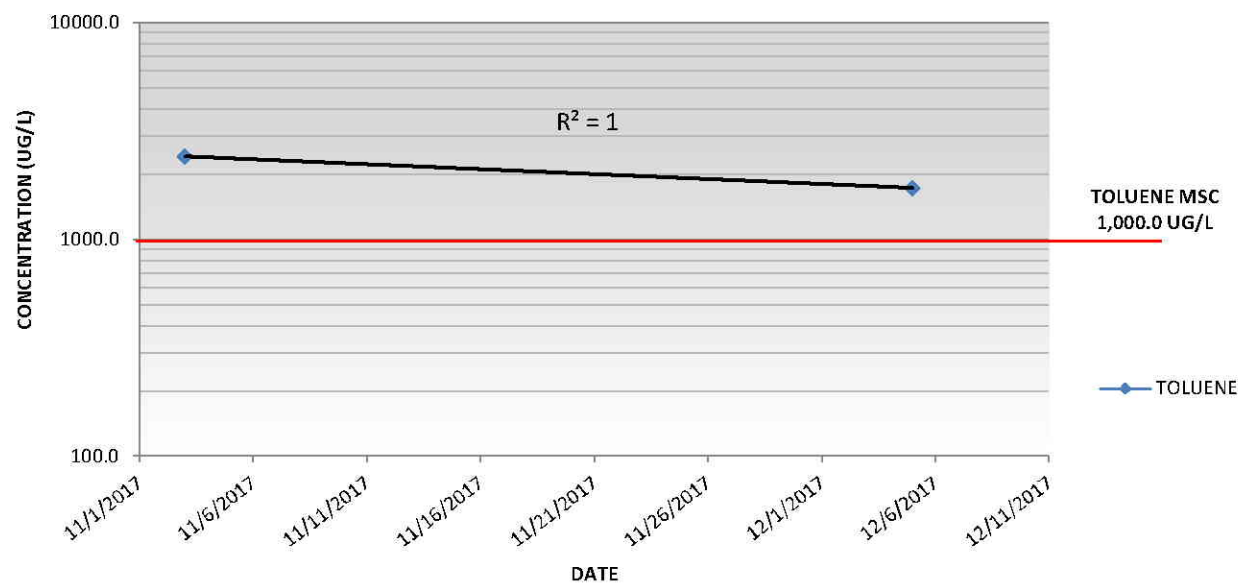
MW-15
ETHYLBENZENE VS TIME



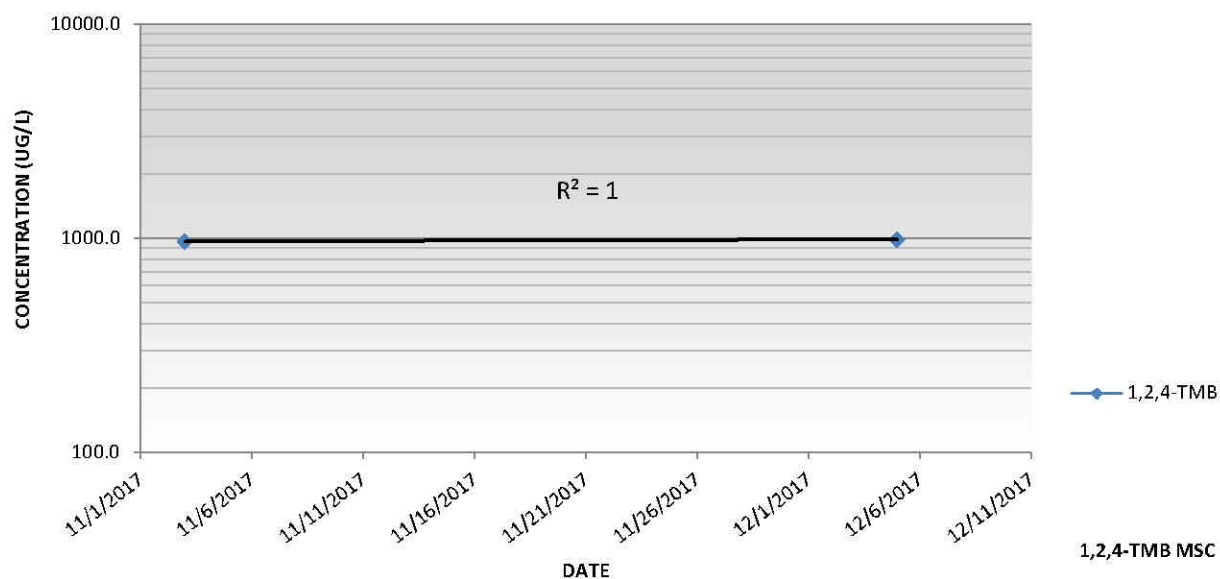
**MW-15
NAPHTHALENE VS TIME**



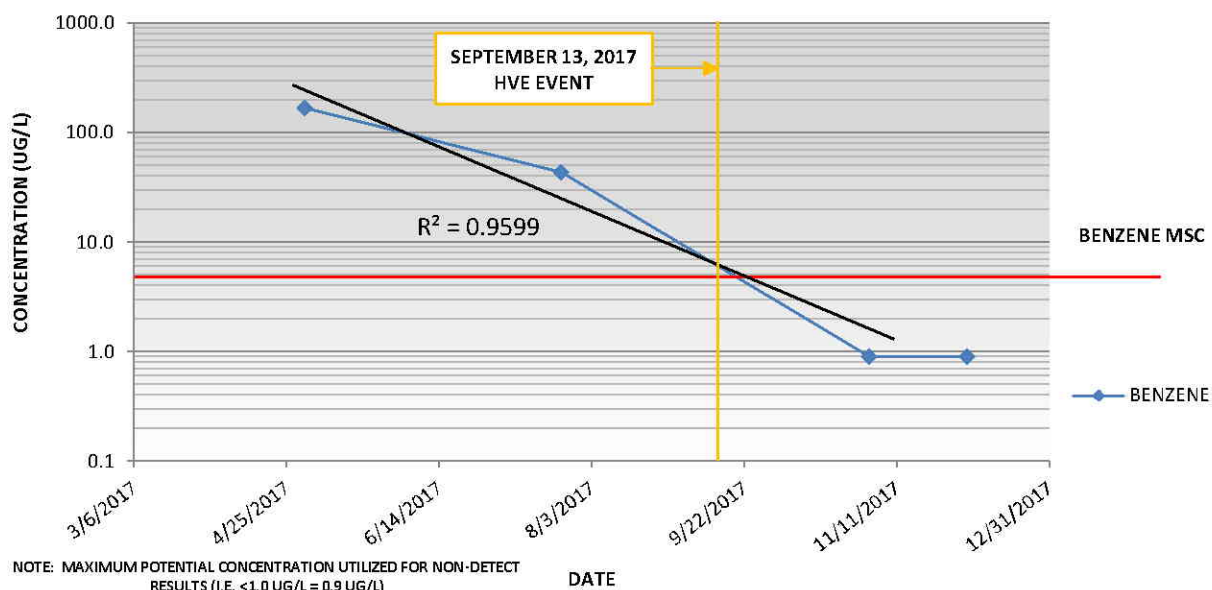
**MW-15
TOLUENE VS TIME**

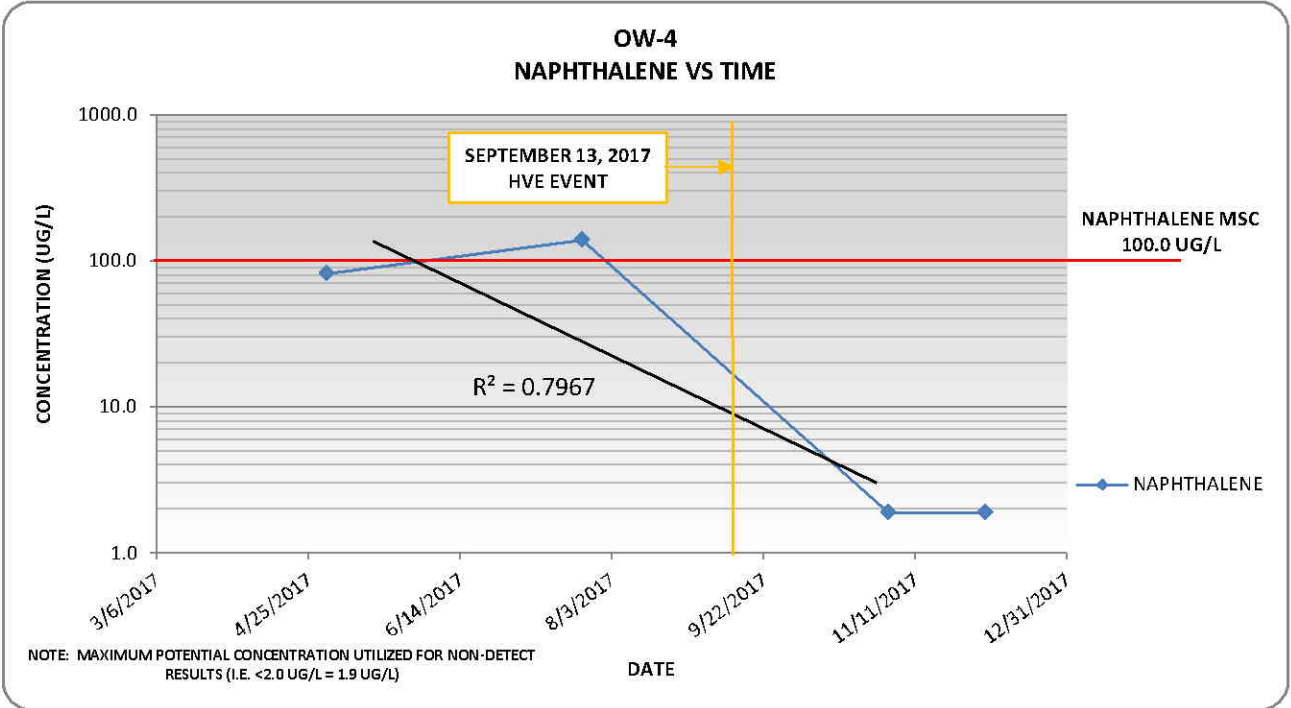
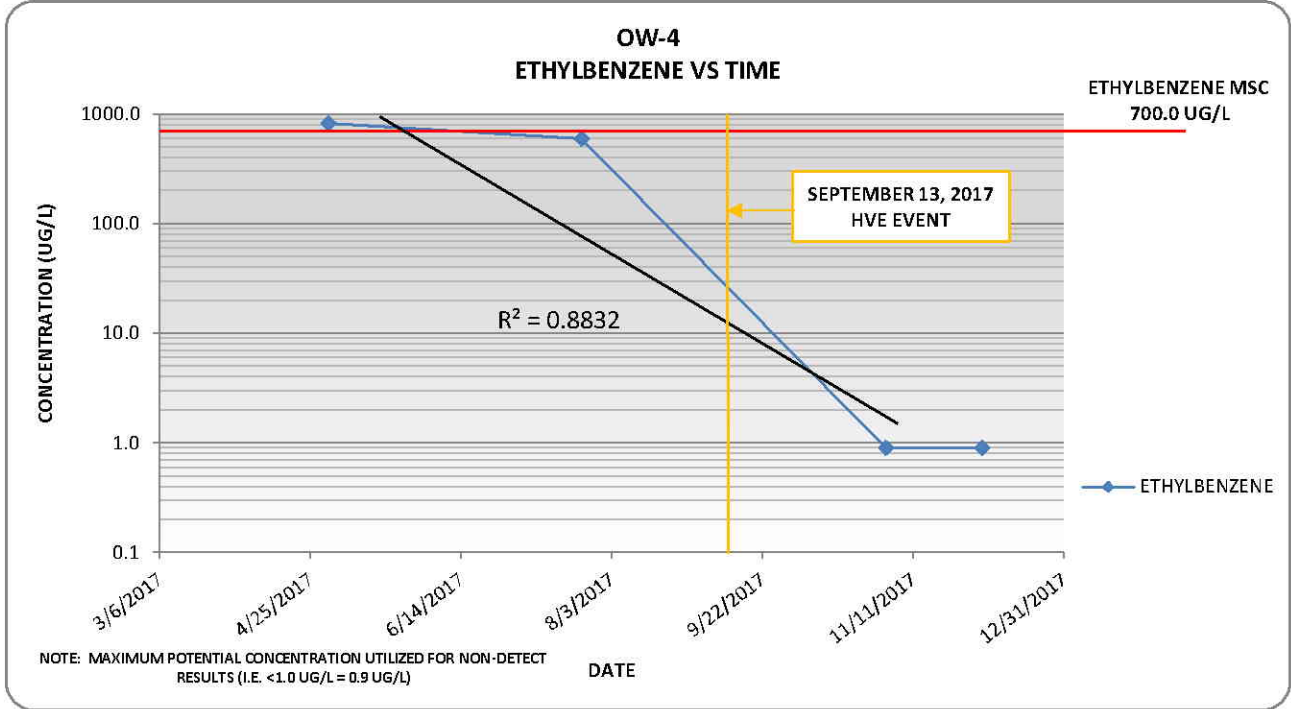


**MW-15
1,2,4-TMB VS TIME**

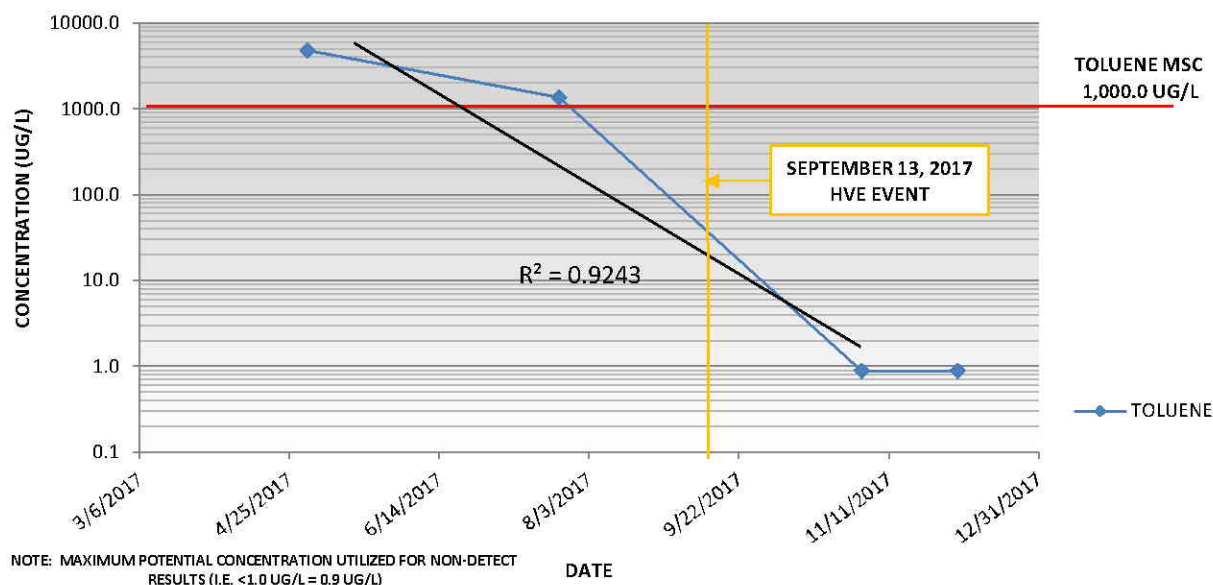


**OW-4
BENZENE VS TIME**

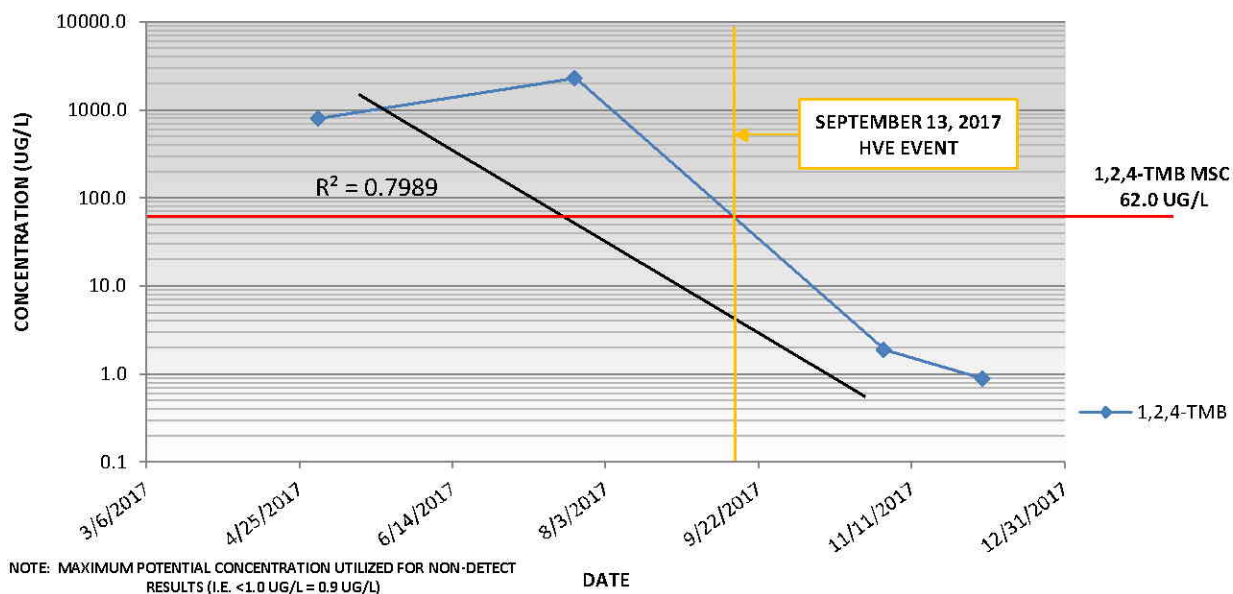




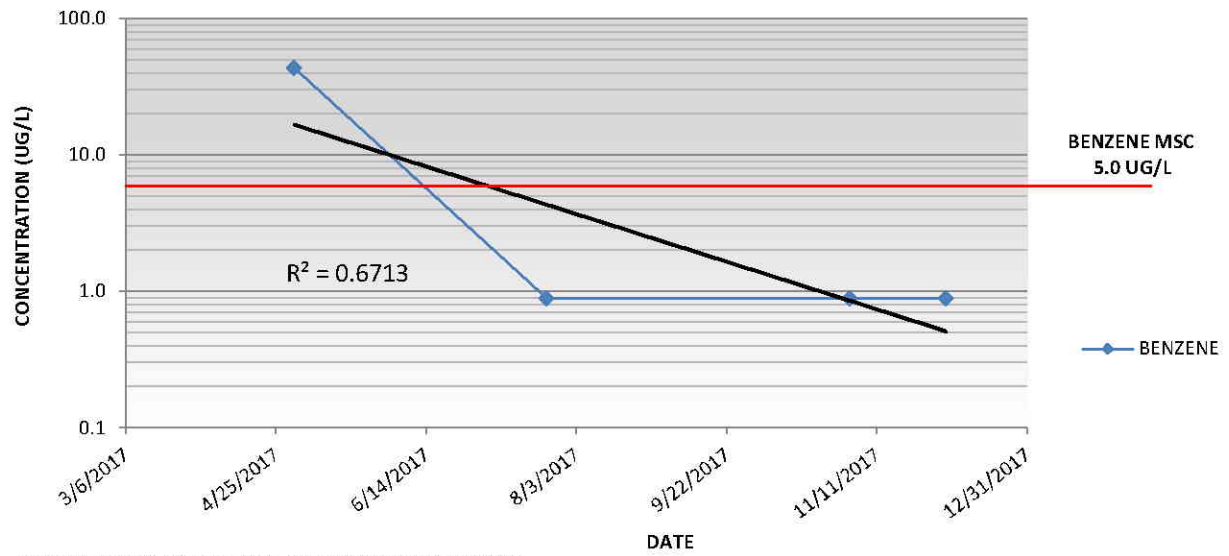
OW-4 TOLUENE VS TIME



OW-4 1,2,4-TMB VS TIME



RW-1
BENZENE VS TIME



NOTE: MAXIMUM POTENTIAL CONCENTRATION UTILIZED FOR NON-DETECT
RESULTS (I.E. <1.0 UG/L = 0.9 UG/L)

APPENDIX Y

Contaminated Soil T&D Documentation

PADEP Incident #48572

Table Y-1
Pump-n-Pantry – Montrose #001 Property
PADEP Facility ID #58-13092
Summary of Soil T&D Information – June 2016

Scale Date	Ticket #	Tonnage
06/17/2016	0155128_	21.25
06/17/2016	01551291	20.59
06/17/2016	0155129_	20.30
06/17/2016	0155129_	20.76
06/17/2016	015513_	18.46
06/17/2016	015513_	16.80
06/17/2016	0155134_	17.96
06/17/2016	0155134_	17.32
06/17/2016	0155134_	16.77
06/17/2016	01551346	16.96
06/17/2016	0155147_	17.89
06/17/2016	01551479	16.34
06/17/2016	0155148_	15.79
06/17/2016	01551485	16.68
06/17/2016	0155149_	19.05
06/17/2016	0155152_	17.25
06/17/2016	0155153_	15.86
06/17/2016	01551544	17.06
06/17/2016	0155154_	18.12
06/17/2016	01551555	19.34
06/23/2016	0155376_	20.19
06/23/2016	01553766	21.08
06/23/2016	0155376_	20.88
06/23/2016	01553768	20.24
06/23/2016	015537_	19.10
06/23/2016	015537_	20.83
06/23/2016	0155379_	19.68
06/23/2016	01553800	18.60
06/23/2016	0155380_	22.04
06/23/2016	01553817	19.88
06/23/2016	0155381_	21.25
06/23/2016	01553823	21.77
06/23/2016	0155390_	20.83
06/23/2016	0155391_	20.48
06/23/2016	01553928	19.64
06/23/2016	0155393_	20.25
06/23/2016	0155394_	21.65
	Total Tonnage	708.94

_ Denotes Missing Ticket Numbers

Table Y-1 (cont.)
Pump-n-Pantry – Montrose #001 Property
PADEP Facility ID #58-13092
Summary of Soil T&D Information – June 2016

Scale Date	Ticket #	Tonnage
06/23/2016	01553952	21.05
06/23/2016	0155396_	21.00
06/23/2016	0155396_	21.48
06/23/2016	0155397_	19.32
06/23/2016	01553985	20.08
06/23/2016	0155400_	20.88
06/23/2016	01554012	22.30
06/24/2016	01554317	21.01
06/24/2016	01554320	21.49
06/24/2016	0155433_	20.23
06/24/2016	015543_	21.67
06/24/2016	0155436_	22.09
06/24/2016	0155436_	20.50
06/24/2016	0155437_	22.94
06/24/2016	015543_	20.01
06/24/2016	0155439_	22.81
06/24/2016	0155439_	21.90
06/24/2016	0155442_	23.04
06/24/2016	0155445_	21.48
06/24/2016	0155445_	22.88
06/24/2016	0155446_	21.99
06/24/2016	0155447_	18.92
06/24/2016	0155448_	20.89
06/24/2016	01554531	18.60
06/24/2016	01554534	22.82
06/24/2016	0155454_	20.27
	Total Tonnage	551.65

_ Denotes Missing Ticket Numbers

Table Y-1 (cont.)
Pump-n-Pantry – Montrose #001 Property
PADEP Facility ID #58-13092
Summary of Soil T&D Information – June 2016

Scale Date	Ticket #	Tonnage
06/27/2016	01555080	21.31
06/27/2016	01555086	19.85
06/27/2016	0155508_	19.85
06/27/2016	01555090	21.54
06/27/2016	0155510_	22.23
06/27/2016	01555098	21.38
06/27/2016	01555110	21.89
06/27/2016	01555118	18.20
06/27/2016	0155511_	18.28
06/27/2016	01555136	17.81
06/27/2016	0155520_	19.71
06/27/2016	01555211	20.26
06/27/2016	0155522_	17.92
06/27/2016	01555222	19.67
06/27/2016	0155522_	19.96
06/27/2016	0155523_	20.32
	Total Tonnage	320.18

LWD	LEEWARD CONSTRUCTION INC 9 COLLAN PARK HONESDALE, PA 18431
Phone	(570) 253-4090

Invoice

Invoice Number	466000-005769
Invoice Date	06/28/16
PO Number	

PUMPNPAN	PUMP N PANTRY 754 GROW AVE MONTROSE, PA 18801
----------	---

Phone	(570) 226-5810
Fax	
Attention	Scott Quigg

Description	Quantity	Unit Price	Un	Tax	Amount
ADDITIONAL WORK AS PER AGREEMENT DATED 6/7/16					
EXCAVATE AND LOAD CONTAMINATED SOILS, FURNISH AND INSTALL STRUCTURAL BACKFILL MATERIAL COMPACTED IN PLACE	668.300	60.000	CY	0	40,098.00
HAUL CONTAMINATED MATERIAL IN DEP WASTE APPROVED TRIAXLES, PORT TO PORT	225.000	90.000	HR	0	20,250.00
HAZARDOUS MATERIAL DISPOSAL	1,260.590	70.400	TN	0	88,745.54
SURVEY	1.000	852.500	EA	0	852.50

Subtotal:	149,946.04
Retainage:	0.00
	0.00

Terms	UPON RECEIPT
-------	--------------

Total:	149,946.04
--------	------------

Keystone Sanitary Landfill
249 Dunham Dr.
Dunmore PA
18512

TICKET #0155120
STATION 1 SCALE
DATE 06/17/1
TIME 09:23:0

CUSTOMER LEEWAR / Acc't
Leeward Construction Inc.
9Collan Park
Honesdale, PA 18431

VEHICLE CODE LEE945

TIME IN 08:56:52

TIME OUT 09:23:0

GRID 8020

GROSS
TARE
NET
NET TONS

1b
71240
28740
42500
21.25

SOURCE 58 Susquehanna

REFUSE 13 Res./Contam. Soil

DRIVER

WEIGHMASTER: Chris Consalvo
LICENSE: 068739/068189
pump and pantry

Job #466050

Keystone Sanitary Landfill
249 Dunham Dr.
Dunmore PA
18512

TICKET #01551291
STATION 1 SCALE C
DATE 06/17/16
TIME 09:24:56

CUSTOMER LEEWAR / Acc't
Leeward Construction Inc.
9Collan Park
Honesdale, PA 18431

VEHICLE CODE LEE987

TIME IN 08:44:03

TIME OUT 09:24:56

GRID 8020

GROSS
TARE
NET
NET TONS

1b
70600
29420
41180
20.59

SOURCE 58 Susquehanna

REFUSE 13 Res./Contam. Soil

DRIVER

WEIGHMASTER: Chris Consalvo
LICENSE: 068739/068189
pump and pantry per jim

Bubba

Keystone Sanitary Landfill
249 Dunham Dr.
Dunmore PA
18512

TICKET #0155129
STATION 1 SCALE
DATE 06/17/1
TIME 09:25:2

CUSTOMER LEOWAR / Acc't
Leeward Construction Inc.
9Collan Park
Honesdale, PA 18431

VEHICLE CODE LEE984

TIME IN 08:45:11

TIME OUT 09:25:2

GRID 8028

GROSS
TARE
NET
NET TONS

1b
69900
29300
40600
20.30

SOURCE 58 Susquehanna

REFUSE 13 Res./Contam. Soil

DRIVER

John Keenan #466050

WEIGHMASTER: Chris Consalvo
LICENSE: 068739/068189
pump and pantry per jim

Keystone Sanitary Landfill
249 Dunham Dr.
Dunmore PA
18512

Job # 466050
TICKET #0155129
STATION 1 SCALE
DATE 06/17/1
TIME 09:27:5

CUSTOMER LEOWAR / Acc't
Leeward Construction Inc.
9Collan Park
Honesdale, PA 18431

VEHICLE CODE LEE986

TIME IN 08:49:33

TIME OUT 09:27:5

GRID 8028

GROSS
TARE
NET
NET TONS

1b
70600
29080
41520
20.76

SOURCE 58 Susquehanna

REFUSE 13 Res./Contam. Soil

DRIVER

[Signature]

WEIGHMASTER: Chris Consalvo
LICENSE: 068739/068189
pump and pantry

Keystone Sanitary Landfill

249 Dunham Dr.

Dunmore PA

18512

TICKET #015513

STATION 1 SCALE

DATE 06/17/

TIME 09:31:

CUSTOMER LEENAR / Acc't
Leeward Construction Inc.
9Collan Park
Honesdale, PA 18431

VEHICLE CODE LEE957

TIME IN 09:05:45

TIME OUT 09:31:

GRID 8028

GROSS
TARE
NET
NET TONS

lb
65760
28840
36920
18.46

SOURCE 58 Susquehanna

REFUSE 13 Res./Contam. Soil

WEIGHMASTER: Chris Consalvo
LICENSE: 068739/068189
pump and pantry

DRIVER

466050

Keystone Sanitary Landfill

249 Dunham Dr.

Dunmore PA

18512

TICKET #015513

STATION 1 SCALE

DATE 06/17/

TIME 10:05:

CUSTOMER LEENAR / Acc't
Leeward Construction Inc.
9Collan Park
Honesdale, PA 18431

VEHICLE CODE LEE983

TIME IN 09:28:59

TIME OUT 10:05:

GRID 8028

GROSS
TARE
NET
NET TONS

lb
63020
29420
33600
16.80

SOURCE 58 Susquehanna

REFUSE 13 Res./Contam. Soil

WEIGHMASTER: Chris Consalvo
LICENSE: 068739/068189
pump and pantry ok per jim

DRIVER

JOF 466050

Keystone Sanitary Landfill
249 Dunham Dr.
Dunmore PA
18512

TICKET #0155134
STATION 1 SCALE
DATE 06/17/1
TIME 10:06:11

CUSTOMER LEEWAR / Acc't
Leeward Construction Inc.
9Collan Park
Honesdale, PA 18431

VEHICLE CODE LEE947

TIME IN 09:35:02 TIME OUT 10:06:11

GRID 8028

GROSS	1b
TARE	64580
NET	28660
NET TONS	35920
	17.96

SOURCE 58 Susquehanna

REFUSE 13 Res. Contam. Soil

DRIVER

WEIGHMASTER: Chris Consalvo
LICENSE: 068739/068189
pump and pantry per jim

466050

Keystone Sanitary Landfill
249 Dunham Dr.
Dunmore PA
18512

TICKET #0155134
STATION 1 SCALE
DATE 06/17/1
TIME 10:09:15

CUSTOMER LEEWAR / Acc't
Leeward Construction Inc.
9Collan Park
Honesdale, PA 18431

VEHICLE CODE LEE953

TIME IN 09:19:53 TIME OUT 10:09:15

GRID 8028

GROSS	1b
TARE	64080
NET	29440
NET TONS	34640
	17.32

SOURCE 58 Susquehanna

REFUSE 13 Res./Contam. Soil

DRIVER

WEIGHMASTER: Chris Consalvo
LICENSE: 068739/068189
pump and pantry per jim

Keystone Sanitary Landfill
249 Dunham Dr.
Dunmore PA
18512

TICKET #0155134
STATION 1 SCALE
DATE 06/17/1
TIME 10:10:4

CUSTOMER LEEWAR / Acc't
Leeward Construction Inc.
9Collan Park
Honesdale, PA 18431

VEHICLE CODE LEE958

TIME IN 09:41:46 TIME OUT 10:10:4

GRID 8028

GROSS	1b
TARE	63500
NET	29960
NET TONS	33540
	16.77

SOURCE 58 Susquehanna
REFUSE 13 Res./Contam. Soil

DRIVER W. [Signature]

WEIGHMASTER: Chris Consalvo
LICENSE: 068739/068189
pump and pantry per jim

466050

Keystone Sanitary Landfill
249 Dunham Dr.
Dunmore PA
18512

TICKET #01551346
STATION 1 SCALE
DATE 06/17/16
TIME 10:11:15

CUSTOMER LEEWAR / Acc't
Leeward Construction Inc.
9Collan Park
Honesdale, PA 18431

VEHICLE CODE LEE944

TIME IN 09:42:54 TIME OUT 10:11:15

GRID 8028

GROSS	1b
TARE	62160
NET	28240
NET TONS	33920
	16.96

SOURCE 58 Susquehanna
REFUSE 13 Res./Contam. Soil

DRIVER R. Cortez

WEIGHMASTER: Chris Consalvo
LICENSE: 068739/068189
pump and pantry per jim

Keystone Sanitary Landfill

249 Dunham Dr.
Dunmore PA
18512

TICKET #01551471
STATION 1 SCALE 1
DATE 06/17/10
TIME 12:01:11

CUSTOMER LEEMAR / Acc't
Leeward Construction Inc.
9Collan Park
Honesdale, PA 18431

VEHICLE CODE LEE984

TIME IN 11:39:09 TIME OUT 12:01:11

GRID 8028

GROSS	1b
TARE	64900
NET	29120
NET TONS	35780
	17.89

SOURCE 58 Susquehanna

REFUSE 13 Res./Contam. Soil

DRIVER

Don Kuhn #466050

WEIGHMASTER: Kevin Toy
LICENSE: 75908
pump and pantry per jim

50 #466050

Keystone Sanitary Landfill

249 Dunham Dr.
Dunmore PA
18512

TICKET #01551471
STATION 1 SCALE 1
DATE 06/17/10
TIME 12:02:00

CUSTOMER LEEMAR / Acc't
Leeward Construction Inc.
9Collan Park
Honesdale, PA 18431

VEHICLE CODE LEE987

TIME IN 11:39:45 TIME OUT 12:02:00

GRID 8028

GROSS	1b
TARE	61940
NET	29260
NET TONS	32680
	16.34

SOURCE 58 Susquehanna

REFUSE 13 Res./Contam. Soil

DRIVER

Bel

WEIGHMASTER: Kevin Toy
LICENSE: 75908
pump and pantry per jim

Keystone Sanitary Landfill
249 Dunham Dr.
Dunmore PA
18512

TICKET #0155148
STATION 1 SCALE
DATE 06/17/1
TIME 12:07:0

CUSTOMER LEEWAR / Acc't
Leeward Construction Inc.
9Collan Park
Honesdale, PA 18431

VEHICLE CODE LEE945

TIME IN 11:45:13

TIME OUT 12:07:0

GRID 8028

	lb
GROSS	60180
TARE	28600
NET	31580
NET TONS	15.79

SOURCE 58 Susquehanna

REFUSE 13 Res./Contam. Soil

DRIVER

WEIGHMASTER: Kevin Toy
LICENSE: 75908
pump and pantry

Keystone Sanitary Landfill
249 Dunham Dr.
Dunmore PA
18512

July 4 16 080

TICKET #0155148
STATION 1 SCALE
DATE 06/17/1
TIME 12:11:23

CUSTOMER LEEWAR / Acc't
Leeward Construction Inc.
9Collan Park
Honesdale, PA 18431

VEHICLE CODE LEE986

TIME IN 11:52:38

TIME OUT 12:11:23

GRID 8028

	lb
GROSS	62260
TARE	28900
NET	33360
NET TONS	16.68

SOURCE 58 Susquehanna

REFUSE 13 Res./Contam. Soil

DRIVER

WEIGHMASTER: Kevin Toy
LICENSE: 75908
pump and pantry

Keystone Sanitary Landfill

249 Dunham Dr.
Dunmore PA
18512

TICKET #0155149
STATION 1 SCALE
DATE 06/17/1
TIME 12:21:2

CUSTOMER LEEWAR / Acc't
Leeward Construction Inc.
9Collan Park
Honesdale, PA 18431

VEHICLE CODE LEE957

TIME IN 12:02:25 TIME OUT 12:21:2

GRID 8028

GROSS	1b
TARE	66750
NET	28660
NET TONS	38100
	19.05

SOURCE 58 Susquehanna

REFUSE 13 Res./Contam. Soil

WEIGHMASTER: Kevin Toy
LICENSE: 75908
pump and pantry

DRIVER

466050

Keystone Sanitary Landfill

249 Dunham Dr.
Dunmore PA
18512

TICKET #0155152
STATION 1 SCALE
DATE 06/17/1
TIME 12:47:0

CUSTOMER LEEWAR / Acc't
Leeward Construction Inc.
9Collan Park
Honesdale, PA 18431

VEHICLE CODE LEE983

TIME IN 12:23:04 TIME OUT 12:47:0

GRID 8028

GROSS	1b
TARE	63780
NET	29280
NET TONS	34500
	17.25

SOURCE 58 Susquehanna

REFUSE 13 Res./Contam. Soil

WEIGHMASTER: Chris Consalvo
LICENSE: 068739/068189
pump and pantry ok per jim

DRIVER

466050

Keystone Sanitary Landfill
249 Dunham Dr.
Dunmore PA
18512

TICKET #0155153
STATION 1 SCALE
DATE 06/17/1
TIME 12:52:5

CUSTOMER LEEWAR / Acc't
Leeward Construction Inc.
9Collan Park
Honesdale, PA 18431

VEHICLE CODE LEE947

TIME IN 12:31:27 TIME OUT 12:52:5

GRID 8028

GROSS
TARE
NET
NET TONS

1b
60200
28480
31720
15.86

SOURCE 58 Susquehanna

REFUSE 13 Res./Contam. Soil

DRIVER

WEIGHMASTER: Chris Consalvo
LICENSE: 068739/068189
pump and pantry per jim

Keystone Sanitary Landfill
249 Dunham Dr.
Dunmore PA
18512

TICKET #01551544
STATION 1 SCALE
DATE 06/17/16
TIME 13:03:40

CUSTOMER LEEWAR / Acc't
Leeward Construction Inc.
9Collan Park
Honesdale, PA 18431

VEHICLE CODE LEE954

TIME IN 12:35:26 TIME OUT 13:03:40

GRID 8028

GROSS
TARE
NET
NET TONS

1b
63140
29020
34120
17.06

SOURCE 40 Luzerne

REFUSE 10 Demolition Waste

DRIVER

WEIGHMASTER: Chris Consalvo
LICENSE: 068739/068189

TEST #466650

Keystone Sanitary Landfill
249 Dunham Dr.
Dunmore PA
18512

TICKET #0155154
STATION 1 SCALE 1
DATE 06/17/11
TIME 13:06:00

CUSTOMER LEEWAR / Acc't
Leeward Construction Inc.
9Collan Park
Honesdale, PA 18431

VEHICLE CODE LEE944

TIME IN 12:43:07

TIME OUT 13:06:00

GRID 8028

GROSS
TARE
NET
NET TONS

1b
64280
28040
36240
18.12

SOURCE 58 Susquehanna

REFUSE 13 Res./Contam. Soil

DRIVER

Rubal / Berta

WEIGHMASTER: Chris Consalvo
LICENSE: 068739/068189
pump and pantry per jim

Job# A66050

Keystone Sanitary Landfill
249 Dunham Dr.
Dunmore PA
18512

TICKET #0155155
STATION 1 SCALE 1
DATE 06/17/11
TIME 13:11:30

CUSTOMER LEEWAR / Acc't
Leeward Construction Inc.
9Collan Park
Honesdale, PA 18431

VEHICLE CODE LEE958

TIME IN 12:48:12

TIME OUT 13:11:30

GRID 8028

GROSS
TARE
NET
NET TONS

1b
68500
29820
38680
19.34

SOURCE 58 Susquehanna

REFUSE 13 Res./Contam. Soil

DRIVER

WALK

WEIGHMASTER: Chris Consalvo
LICENSE: 068739/068189
pump and pantry per jim

RESIDUAL WASTE MANIFEST

GENERATOR:

Name: Pump N Pantry
Address: RR 7, Box 7024
Montrose, PA 18801
Contact Name/Phone: T.J. Jimmie 570/343-2878
Waste Code: FC-1
Waste Description: Virgin Fuel Contaminated Soil/Debris
Source County: Susquehanna

I hereby certify that the above referenced material is non-hazardous. I further certify that this material is accurately described above and conforms with all documentation that was filed when this waste stream was approved for disposal at the Landfill listed below.

Michael J. Gowan
Authorized Signature

6/17/16
Date

TRANSPORTER

Name: LEEward Construction
Truck#: 944

I hereby certify that the above named material was picked up at the Generator's site listed above, and that it was delivered without incident to the destination listed below.

Driver: Richard J. Cortez
Signature

Richard J. Cortez
Print Name
6/17/16
Date

DESTINATION

Keystone Sanitary Landfill, Inc.
Dunmore, PA

Ticket#:
Weighmaster:
Date Received:

[Signature]

RESIDUAL WASTE MANIFEST

GENERATOR:

Name: Pump N Pantry
Address: RR 7, Box 7024
Montrose, PA 18801
Contact Name/Phone: T.J. Jimmie 570/343-2878
Waste Code: FC-1
Waste Description: Virgin Fuel Contaminated Soil/Debris
Source County: Susquehanna

I hereby certify that the above referenced material is non-hazardous. I further certify that this material is accurately described above and conforms with all documentation that was filed when this waste stream was approved for disposal at the Landfill listed below.

Michael J. Gauthier
Authorized Signature

6/17/16
Date

TRANSPORTER

Name: LEEWARD Construction
Truck#: 944

I hereby certify that the above named material was picked up at the Generator's site listed above, and that it was delivered without incident to the destination listed below.

Driver: Richard J. Cortese Richard J. Cortese
Signature Print Name
6/17/16
Date

DESTINATION

Keystone Sanitary Landfill, Inc.
Dunmore, PA

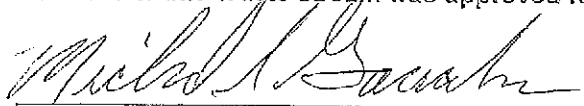
Ticket#: _____
Weighmaster: _____
Date Received: _____

RESIDUAL WASTE MANIFEST

GENERATOR:

Name: Pump N Pantry
Address: RR 7, Box 7024
Montrose, PA 18801
Contact Name/Phone: T.J. Jimmie 570/343-2878
Waste Code: FC-1
Waste Description: Virgin Fuel Contaminated Soil/Debris
Source County: Susquehanna

I hereby certify that the above referenced material is non-hazardous. I further certify that this material is accurately described above and conforms with all documentation that was filed when this waste stream was approved for disposal at the Landfill listed below.

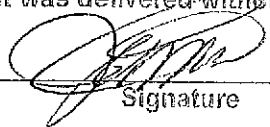

Authorized Signature

6/17/16
Date

TRANSPORTER

Name: Deeward Construction
Truck#: 945

I hereby certify that the above named material was picked up at the Generator's site listed above, and that it was delivered without incident to the destination listed below.

Driver: 
Signature

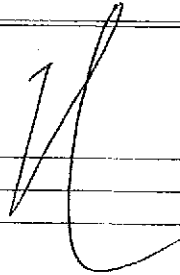
6/17/16
Date

James Nolan
Print Name

DESTINATION

Keystone Sanitary Landfill, Inc.
Dunmore, PA

Ticket#: _____
Weighmaster: _____
Date Received: _____



RESIDUAL WASTE MANIFEST

GENERATOR:

Name: Pump N Pantry
Address: RR 7, Box 7024
Montrose, PA 18801
Contact Name/Phone: T.J. Jimmie 570/343-2878
Waste Code: FC-1
Waste Description: Virgin Fuel Contaminated Soil/Debris
Source County: Susquehanna

I hereby certify that the above referenced material is non-hazardous. I further certify that this material is accurately described above and conforms with all documentation that was filed when this waste stream was approved for disposal at the Landfill listed below.

Michael J. Gauthier
Authorized Signature

6/17/16
Date

TRANSPORTER

Name: Leeward Construction
Truck#: 945

I hereby certify that the above named material was picked up at the Generator's site listed above, and that it was delivered without incident to the destination listed below.

Driver:

[Signature]
Signature

James Nolan
Print Name

6/17/16
Date

DESTINATION

Keystone Sanitary Landfill, Inc.
Dunmore, PA

Ticket#:
Weighmaster:
Date Received:

[Signature]

RESIDUAL WASTE MANIFEST

GENERATOR:

Name: Pump N Pantry
Address: RR 7, Box 7024
Montrose, PA 18801
Contact Name/Phone: T.J. Jimmie 570/343-2878
Waste Code: FC-1
Waste Description: Virgin Fuel Contaminated Soil/Debris
Source County: Susquehanna

I hereby certify that the above referenced material is non-hazardous. I further certify that this material is accurately described above and conforms with all documentation that was filed when this waste stream was approved for disposal at the Landfill listed below.

Michael J. Bawer
Authorized Signature

6/17/16
Date

TRANSPORTER

Name: LEONARD
Truck#: 947

I hereby certify that the above named material was picked up at the Generator's site listed above, and that it was delivered without incident to the destination listed below.

Driver: Richard W. Luehbold
Signature

Richard W. Luehbold
Print Name
6/17/16
Date

DESTINATION

Keystone Sanitary Landfill, Inc.
Dunmore, PA

Ticket#:
Weighmaster:
Date Received:

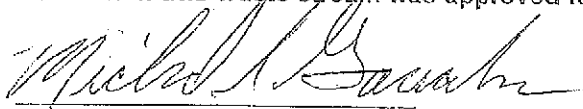
[Signature]

RESIDUAL WASTE MANIFEST

GENERATOR:

Name: Pump N Pantry
Address: RR 7, Box 7024
Montrose, PA 18801
Contact Name/Phone: T.J. Jimmie 570/343-2878
Waste Code: FC-1
Waste Description: Virgin Fuel Contaminated Soil/Debris
Source County: Susquehanna

I hereby certify that the above referenced material is non-hazardous. I further certify that this material is accurately described above and conforms with all documentation that was filed when this waste stream was approved for disposal at the Landfill listed below.

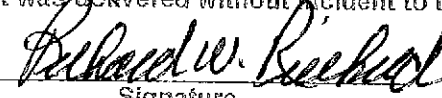

Authorized Signature

6/17/16
Date

TRANSPORTER

Name: Leeward
Truck#: 947

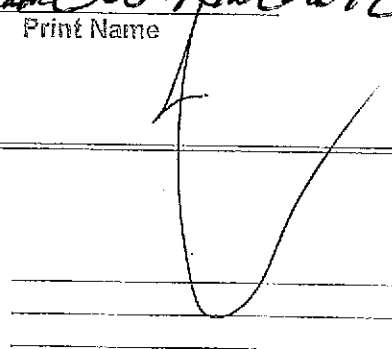
I hereby certify that the above named material was picked up at the Generator's site listed above, and that it was delivered without incident to the destination listed below.

Driver:  Richard W. Richel
Signature Print Name
6/17/16
Date

DESTINATION

Keystone Sanitary Landfill, Inc.
Dunmore, PA

Ticket#: _____
Weighmaster: _____
Date Received: _____



RESIDUAL WASTE MANIFEST

GENERATOR:

Name: Pump N Pantry
Address: RR 7, Box 7024
Montrose, PA 18801
Contact Name/Phone: T.J. Jimmie 570/343-2878
Waste Code: FC-1
Waste Description: Virgin Fuel Contaminated Soil/Debris
Source County: Susquehanna

I hereby certify that the above referenced material is non-hazardous. I further certify that this material is accurately described above and conforms with all documentation that was filed when this waste stream was approved for disposal at the Landfill listed below.

Michael J. Gauthier
Authorized Signature

6/17/16
Date

TRANSPORTER

Name: Leeward construction
Truck#: 953

I hereby certify that the above named material was picked up at the Generator's site listed above, and that it was delivered without incident to the destination listed below.

Driver: Michael Lee
Signature

Michael Lee
Print Name

6-17-16
Date

DESTINATION

Keystone Sanitary Landfill, Inc.
Dunmore, PA

Ticket#: _____
Weighmaster: _____
Date Received: _____

[Signature]

RESIDUAL WASTE MANIFEST

GENERATOR:

Name: Pump N Pantry
Address: RR 7, Box 7024
Montrose, PA 18801
Contact Name/Phone: T.J. Jimmie 570/343-2878
Waste Code: FC-1
Waste Description: Virgin Fuel Contaminated Soil/Debris
Source County: Susquehanna

I hereby certify that the above referenced material is non-hazardous. I further certify that this material is accurately described above and conforms with all documentation that was filed when this waste stream was approved for disposal at the Landfill listed below.

Michael J. Gauthier
Authorized Signature

6/17/16
Date

TRANSPORTER

Name: DAVE SUKACCO
Truck#: 934

I hereby certify that the above named material was picked up at the Generator's site listed above, and that it was delivered without incident to the destination listed below.

Driver: Dave Sukacco
Signature

DAVE SUKACCO
Print Name
6/17/16
Date

DESTINATION

Keystone Sanitary Landfill, Inc.
Dunmore, PA

Ticket#: _____
Weighmaster: _____
Date Received: _____

RESIDUAL WASTE MANIFEST

GENERATOR:

Name: Pump N Pantry

Address: RR 7, Box 7024
Montrose, PA 18801

Contact Name/Phone: T.J. Jimmie 570/343-2878

Waste Code: FC-1

Waste Description: Virgin Fuel Contaminated Soil/Debris

Source County: Susquehanna

I hereby certify that the above referenced material is non-hazardous. I further certify that this material is accurately described above and conforms with all documentation that was filed when this waste stream was approved for disposal at the Landfill listed below.

Michael J. Gossenger
Authorized Signature

6/17/16
Date

TRANSPORTER

Name: LEEWARD CONSTRUCTION

Truck#: 957

I hereby certify that the above named material was picked up at the Generator's site listed above, and that it was delivered without incident to the destination listed below.

Driver: Kevin Glossenger
Signature

6/17/16
Date

Kevin Glossenger
Print Name

DESTINATION

Keystone Sanitary Landfill, Inc.
Dunmore, PA

Ticket#: _____
Weighmaster: _____
Date Received: _____

[Signature]

RESIDUAL WASTE MANIFEST

GENERATOR:

Name: Pump N Pantry
Address: RR 7, Box 7024
Montrose, PA 18801
Contact Name/Phone: T.J. Jimmie 570/343-2878
Waste Code: FC-1
Waste Description: Virgin Fuel Contaminated Soil/Debris
Source County: Susquehanna

I hereby certify that the above referenced material is non-hazardous. I further certify that this material is accurately described above and conforms with all documentation that was filed when this waste stream was approved for disposal at the Landfill listed below.

Michael J. Gossenger
Authorized Signature

6/17/16
Date

TRANSPORTER

Name: LEEWARD CONSTRUCTION
Truck#: 957

I hereby certify that the above named material was picked up at the Generator's site listed above, and that it was delivered without incident to the destination listed below.

Driver: Kevin Glossenger
Signature

6/17/16
Date

Kevin Glossenger
Print Name

DESTINATION

Keystone Sanitary Landfill, Inc.
Dunmore, PA

Ticket#:
Weighmaster:
Date Received:

[Signature]

JOB# 466050

RESIDUAL WASTE MANIFEST

GENERATOR:

Name: Pump N Pantry
Address: RR 7, Box 7024
Montrose, PA 18801
Contact Name/Phone: T.J. Jimmie 570/343-2878
Waste Code: FC-1
Waste Description: Virgin Fuel Contaminated Soil/Debris
Source County: Susquehanna

I hereby certify that the above referenced material is non-hazardous. I further certify that this material is accurately described above and conforms with all documentation that was filed when this waste stream was approved for disposal at the Landfill listed below.

Michael J. Gauthier
Authorized Signature

6/17/16
Date

TRANSPORTER

Name: LEEWARD CONSTRUCTION
Truck#: 958

I hereby certify that the above named material was picked up at the Generator's site listed above, and that it was delivered without incident to the destination listed below.

Driver: Walter P. Miller
Signature

06-17-16
Date

WALTER P. MILLER
Print Name

DESTINATION

Keystone Sanitary Landfill, Inc.
Dunmore, PA

Ticket#: 01551555
Weighmaster: 068739/068189
Date Received: 06-17-16

JBT# 466050

RESIDUAL WASTE MANIFEST

GENERATOR:

Name: Pump N Pantry
Address: RR 7, Box 7024
Montrose, PA 18801
Contact Name/Phone: T.J. Jimmie 570/343-2878
Waste Code: FC-1
Waste Description: Virgin Fuel Contaminated Soil/Debris
Source County: Susquehanna

I hereby certify that the above referenced material is non-hazardous. I further certify that this material is accurately described above and conforms with all documentation that was filed when this waste stream was approved for disposal at the Landfill listed below.

Michael J. Gowan
Authorized Signature

6/17/16
Date

TRANSPORTER

Name: ~~Lee Ward~~ Lee Ward Const.
Truck#: 958

I hereby certify that the above named material was picked up at the Generator's site listed above, and that it was delivered without incident to the destination listed below.

Driver:

Walter F. Parker Jr.
Signature

WALTER F. PARKER JR.
Print Name

06-17-16
Date

DESTINATION

Keystone Sanitary Landfill, Inc.
Dunmore, PA

Ticket#: 01551345
Weighmaster: 068739/068189
Date Received: 06/17/16

RESIDUAL WASTE MANIFEST

GENERATOR:

Name: Pump N Pantry

Address: RR 7, Box 7024
Montrose, PA 18801

Contact Name/Phone: T.J. Jimmie 570/343-2878

Waste Code: FC-1

Waste Description: Virgin Fuel Contaminated Soil/Debris

Source County: Susquehanna

I hereby certify that the above referenced material is non-hazardous. I further certify that this material is accurately described above and conforms with all documentation that was filed when this waste stream was approved for disposal at the Landfill listed below.

Michael J. Bacher
Authorized Signature

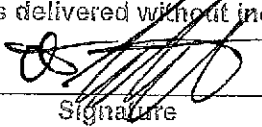
6/17/16
Date

TRANSPORTER

Name: LEEWARD

Truck#: 983

I hereby certify that the above named material was picked up at the Generator's site listed above, and that it was delivered without incident to the destination listed below.

Driver: 
Signature

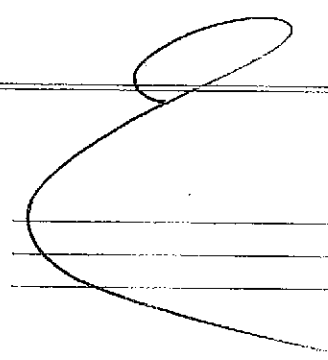
6/17/16
Date

ALBERT RUTHERFORD
Print Name

DESTINATION

Keystone Sanitary Landfill, Inc.
Dunmore, PA

Ticket#:
Weighmaster:
Date Received:



RESIDUAL WASTE MANIFEST

GENERATOR:

Name: Pump N Pantry

Address: RR 7, Box 7024
Montrose, PA 18801

Contact Name/Phone: T.J. Jimmie 570/343-2878

Waste Code: FC-1

Waste Description: Virgin Fuel Contaminated Soil/Debris

Source County: Susquehanna

I hereby certify that the above referenced material is non-hazardous. I further certify that this material is accurately described above and conforms with all documentation that was filed when this waste stream was approved for disposal at the Landfill listed below.

Michael J. Bunch
Authorized Signature

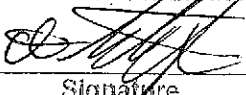
6/17/16
Date

TRANSPORTER

Name: LEEWARD

Truck#: 983

I hereby certify that the above named material was picked up at the Generator's site listed above, and that it was delivered without incident to the destination listed below.

Driver: 
Signature

ALBERT RUITER
Print Name

6/17/16
Date

DESTINATION

Keystone Sanitary Landfill, Inc.
Dunmore, PA

Ticket#: _____
Weighmaster: _____
Date Received: _____

4

RESIDUAL WASTE MANIFEST

GENERATOR:

Name: Pump N Pantry
Address: RR 7, Box 7024
Montrose, PA 18801
Contact Name/Phone: T.J. Jimmie 570/343-2878
Waste Code: FC-1
Waste Description: Virgin Fuel Contaminated Soil/Debris
Source County: Susquehanna

I hereby certify that the above referenced material is non-hazardous. I further certify that this material is accurately described above and conforms with all documentation that was filed when this waste stream was approved for disposal at the Landfill listed below.

Michael J. Bawa
Authorized Signature

6/17/16
Date

TRANSPORTER

Name: Lee Ward Construction
Truck#: 984

I hereby certify that the above named material was picked up at the Generator's site listed above, and that it was delivered without incident to the destination listed below.

Driver: Dene Pule
Signature

6-17-16
Date

Gene Kielan
Print Name

DESTINATION

Keystone Sanitary Landfill, Inc.
Dunmore, PA

Ticket#: _____
Weighmaster: _____
Date Received: _____

[Signature]

RESIDUAL WASTE MANIFEST

GENERATOR:

Name: Pump N Pantry
Address: RR 7, Box 7024
Montrose, PA 18801
Contact Name/Phone: T.J. Jimmie 570/343-2878
Waste Code: FC-1
Waste Description: Virgin Fuel Contaminated Soil/Debris
Source County: Susquehanna

I hereby certify that the above referenced material is non-hazardous. I further certify that this material is accurately described above and conforms with all documentation that was filed when this waste stream was approved for disposal at the Landfill listed below.

Michael J. Gauthier
Authorized Signature

6/17/16
Date

TRANSPORTER

Name: LEEWARD
Truck#: 984

I hereby certify that the above named material was picked up at the Generator's site listed above, and that it was delivered without incident to the destination listed below.

Driver: Dore Kielar
Signature

Gene Kielar
Print Name

6-17-16
Date

DESTINATION

Keystone Sanitary Landfill, Inc.
Dunmore, PA

Ticket#:
Weighmaster:
Date Received:

[Signature]

RESIDUAL WASTE MANIFEST

GENERATOR:

Name: Pump N Pantry
Address: RR 7, Box 7024
Montrose, PA 18801
Contact Name/Phone: T.J. Jimmie 570/343-2878
Waste Code: FC-1
Waste Description: Virgin Fuel Contaminated Soil/Debris
Source County: Susquehanna

I hereby certify that the above referenced material is non-hazardous. I further certify that this material is accurately described above and conforms with all documentation that was filed when this waste stream was approved for disposal at the Landfill listed below.

Michael J. Gowan
Authorized Signature

6/17/16
Date

TRANSPORTER

Name: Leeward Construction
Truck#: 987

I hereby certify that the above named material was picked up at the Generator's site listed above, and that it was delivered without incident to the destination listed below.

Driver: Brian Tyler
Signature

Brian Tyler
Print Name

Date

DESTINATION

Keystone Sanitary Landfill, Inc.
Dunmore, PA

Ticket#: _____
Weighmaster: _____
Date Received: _____

[Signature]

RESIDUAL WASTE MANIFEST

GENERATOR:

Name: Pump N Pantry
Address: RR 7, Box 7024
Montrose, PA 18801
Contact Name/Phone: T.J. Jimmie 570/343-2878
Waste Code: FC-1
Waste Description: Virgin Fuel Contaminated Soil/Debris
Source County: Susquehanna

I hereby certify that the above referenced material is non-hazardous. I further certify that this material is accurately described above and conforms with all documentation that was filed when this waste stream was approved for disposal at the Landfill listed below.

Michael J. Gauthier
Authorized Signature

6/17/16
Date

TRANSPORTER

Name: Leeward Construction
Truck#: 987

I hereby certify that the above named material was picked up at the Generator's site listed above, and that it was delivered without incident to the destination listed below.

Driver: Beim Tyle
Signature

Brian Tyler
Print Name

Date

DESTINATION

Keystone Sanitary Landfill, Inc.
Dunmore, PA

Ticket#:
Weighmaster:
Date Received:

RESIDUAL WASTE MANIFEST

GENERATOR:

Name: Pump N Pantry
Address: RR 7, Box 7024
Montrose, PA 18801
Contact Name/Phone: T.J. Jimmie 570/343-2878
Waste Code: FC-1
Waste Description: Virgin Fuel Contaminated Soil/Debris
Source County: Susquehanna

I hereby certify that the above referenced material is non-hazardous. I further certify that this material is accurately described above and conforms with all documentation that was filed when this waste stream was approved for disposal at the Landfill listed below.

Michael J. Gorman
Authorized Signature

6/17/16
Date

TRANSPORTER

Name: Leonard Conditon
Truck#: 986

I hereby certify that the above named material was picked up at the Generator's site listed above, and that it was delivered without incident to the destination listed below.

Driver: Ryan W. Hester Ryan W. Hester
Signature Print Name
6-17-16
Date

DESTINATION

Keystone Sanitary Landfill, Inc.
Dunmore, PA

Ticket#: 01581485
Weighmaster: Kennedy
Date Received: 6-17-16

RESIDUAL WASTE MANIFEST

GENERATOR:

Name: Pump N Pantry
Address: RR 7, Box 7024
Montrose, PA 18801
Contact Name/Phone: T.J. Jimmie 570/343-2878
Waste Code: FC-1
Waste Description: Virgin Fuel Contaminated Soil/Debris
Source County: Susquehanna

I hereby certify that the above referenced material is non-hazardous. I further certify that this material is accurately described above and conforms with all documentation that was filed when this waste stream was approved for disposal at the Landfill listed below.

Michael J. Gaudin
Authorized Signature

6/17/16
Date

TRANSPORTER

Name: Lewards Construction
Truck#: 986

I hereby certify that the above named material was picked up at the Generator's site listed above, and that it was delivered without incident to the destination listed below.

Driver: [Signature]
Signature

Roger Hunter
Print Name

6-17-16
Date

DESTINATION

Keystone Sanitary Landfill, Inc.
Dunmore, PA

Ticket#: 01557296
Weighmaster: Lewards Construction
Date Received: 6-17-16

REPRINT EDITED REPRINT EDITED REPRINT EDITED REPRINT EDITED
Keystone Sanitary Landfill

249 Dunham Dr.
Dunmore PA
18512

TICKET #01553765
STATION 1 SCALE C
DATE 06/23/16
TIME 08:45:04

CUSTOMER LEEWAR / Acc't
Leeward Construction Inc.
9Collan Park
Honesdale, PA 18431

VEHICLE CODE D314

TIME IN 08:20:49

TIME OUT 08:45:04

GRID 8033

GROSS
TARE
NET
NET TONS

1b
68900
28520
40380
20.19

SOURCE 58 Susquehanna

REFUSE 13 Res./Contam. Soil

DRIVER 

WEIGHMASTER: Kevin Toy
LICENSE: 75908
pumppantry

EDITED EDITED EDITED EDITED EDITED EDITED EDITED EDITED
Keystone Sanitary Landfill

249 Dunham Dr.
Dunmore PA
18512

TICKET #01553766
STATION 1 SCALE C
DATE 06/23/16
TIME 08:45:25

CUSTOMER LEEWAR / Acc't
Leeward Construction Inc.
9Collan Park
Honesdale, PA 18431

VEHICLE CODE D310

TIME IN 08:24:47

TIME OUT 08:45:25

GRID 8033

GROSS
TARE
NET
NET TONS

1b
70840
28680
42160
21.08

SOURCE 58 Susquehanna

REFUSE 13 Res./Contam. Soil

DRIVER

WEIGHMASTER: Kevin Toy
LICENSE: 75908
pumppantry
Wrong Customer

466050

EDITED EDITED EDITED EDITED EDITED EDITED EDITED EDITED

Keystone Sanitary Landfill

249 Dunham Dr.

Dunmore PA

15312

TICKET #0155375

STATION 1 SCALE 1

DATE 06/23/11

TIME 00:45:50

CUSTOMER LEENAR / Acc't

Leeward Construction Inc.

90Collan Park

Honesdale, PA 18431

VEHICLE CODE D317

TIME IN 00:27:36

TIME OUT 00:45:50

GRID 8033

1b

70380

20620

41760

20.00

GROSS

TARE

NET

NET TONS

SOURCE 58 Susquehanna

REFUSE 13 Res./Contam. Soil

WEIGHMASTER: Kevin Toy

LICENSE: 75908

pumpnpantry

Wrong Customer

DRIVER

466050

EDITED EDITED EDITED EDITED EDITED EDITED EDITED EDITED

Keystone Sanitary Landfill

249 Dunham Dr.

Dunmore PA

15512

TICKET #01553760

STATION 1 SCALE C

DATE 06/23/16

TIME 00:46:35

CUSTOMER LEENAR / Acc't

Leeward Construction Inc.

90Collan Park

Honesdale, PA 18431

VEHICLE CODE D311

TIME IN 00:18:44

TIME OUT 00:46:35

GRID 8033

1b

69100

20700

40400

20.24

GROSS

TARE

NET

NET TONS

SOURCE 50 Susquehanna

REFUSE 13 Res./Contam. Soil

WEIGHMASTER: Kevin Toy

LICENSE: 75900

pumpnpantry

Wrong Customer

DRIVER

466050

EDITED EDITED EDITED EDITED EDITED EDITED EDITED EDITED

KeySTONE Sanitary Landfill 11

249 Dunham Dr.

Dunmore PA

18512

TICKET #015537

STATION 1 SCALE

DATE 06/23/11

TIME 00:55:11

CUSTOMER LEONAR / Acct

Leonard Construction Inc.

90Ellen Park

Honesdale, PA 18431

VEHICLE CODE D316

TIME IN 00:36:37

TIME OUT 00:55:11

GRID 0033

SOURCE 50 Susquehanna

REFUSE 13 Res./Contam. Soil

DRIVER

GROSS

1b
55700

TARE

28500

NET

30200

NET TONS

19.10

NEIGHMASTER: Kevin Toy

LICENSE: 75900

pumpnpantry

Wrong Customer

466050

KeySTONE Sanitary Landfill 11

249 Dunham Dr.

Dunmore PA

18512

TICKET #015537

STATION 1 SCALE

DATE 06/23/11

TIME 09:14:11

CUSTOMER LEONAR / Acct

Leonard Construction Inc.

90Ellen Park

Honesdale, PA 18431

VEHICLE CODE LB957

TIME IN 00:52:11

TIME OUT 09:14:11

GRID 0033

SOURCE 50 Susquehanna

REFUSE 13 Res./Contam. Soil

GROSS

1b
70540

TARE

28800

NET

41660

NET TONS

20.83

NEIGHMASTER: Kevin Toy

LICENSE: 75900

pumpnpantry

DRIVER

[Signature]
466050

Keystone Sanitary Landfill
249 Dunham Dr.
Dunmore PA
18512

TICKET #0155379
STATION 1 SCALE
DATE 06/23/16
TIME 09:20:50

CUSTOMER LEENAR / Acc't
Leeward Construction Inc.
9Collan Park
Honesdale, PA 18431

VEHICLE CODE LEE947

TIME IN 09:01:14

TIME OUT 09:20:50

GRID 0033

GROSS
TARE
NET
NET TONS

1b
69020
20660
39360
19.60

SOURCE 50 Susquehanna

REFUSE 13 Res./Contam. Soil

WEIGHMASTER: Kevin Toy
LICENSE: 75900
pump and pantry

DRIVER

Lee
466050

JOB# 466050

Keystone Sanitary Landfill
249 Dunham Dr.
Dunmore PA
18512

TICKET #0155380
STATION 1 SCALE
DATE 06/23/16
TIME 09:22:31

CUSTOMER LEENAR / Acc't
Leeward Construction Inc.
9Collan Park
Honesdale, PA 18431

VEHICLE CODE LEE958

TIME IN 09:03:47

TIME OUT 09:22:31

GRID 0033

GROSS
TARE
NET
NET TONS

1b
67100
29900
37200
18.60

SOURCE 50 Susquehanna

REFUSE 13 Res./Contam. Soil

WEIGHMASTER: Kevin Toy
LICENSE: 75900
pump and pantry per jim

DRIVER

Wally
466050

Keystone Sanitary Landfill249 Dunham Dr.
Dunmore PA
18512**TICKET #0155380**
STATION 1 SCALE
DATE 06/23/16
TIME 09:26:4**CUSTOMER LEEWAR / Acc't**
Leeward Construction Inc.
9Collan Park
Honesdale, PA 18431**VEHICLE CODE D318****TIME IN 09:09:23****TIME OUT 09:26:4****GRID 8033****GROSS**
TARE
NET
NET TONS1b
72420
28340
44080
22.04**SOURCE 58 Susquehanna****REFUSE 13 Res./Contam. Soil****DRIVER****WEIGHMASTER: Kevin Toy**
LICENSE: 75908
pumpnpantry
Wrong Customer

466050

Keystone Sanitary Landfill249 Dunham Dr.
Dunmore PA
18512**TICKET #0155381**
STATION 1 SCALE
DATE 06/23/16
TIME 09:35:19**CUSTOMER LEEWAR / Acc't**
Leeward Construction Inc.
9Collan Park
Honesdale, PA 18431**VEHICLE CODE LEE948****TIME IN 09:11:45****TIME OUT 09:35:19****GRID 8033****GROSS**
TARE
NET
NET TONS1b
68520
28760
39760
19.88**SOURCE 58 Susquehanna****REFUSE 13 Res./Contam. Soil****DRIVER****WEIGHMASTER: Kevin Toy**
LICENSE: 75908
pumpnpantry

466050

EDITED EDITED EDITED EDITED EDITED EDITED EDITED EDITED

Keystone Sanitary Landfill

249 Dunham Dr.

Dunmore PA

18512

TICKET #0155301

STATION 1 SCALE

DATE 06/23/1

TIME 09:34:1

CUSTOMER LEONAR / Acct

Leeward Construction Inc.

90Collan Park

Honesdale, PA 18433

VEHICLE CODE D312

TIME IN 09:16:02

TIME OUT 09:34:1

GRID 8033

SOURCE 50 Susquehanna

REFUSE 13 Res./Contam. Soil

DRIVER

Mark Caton
Diab 312

466050

GROSS

16

70940

TARE (STORED)

28340

NET

42500

NET TONS

21.25

WEIGHMASTER: Kevin Toy

LICENSE: 75300

PUMP/PANTRY

Edil Heights

EDITED EDITED EDITED EDITED EDITED EDITED EDITED EDITED

Keystone Sanitary Landfill

249 Dunham Dr.

Dunmore PA

18512

TICKET #01553023

STATION 1 SCALE C

DATE 06/23/16

TIME 09:39:07

CUSTOMER LEONAR / Acct

Leeward Construction Inc.

90Collan Park

Honesdale, PA 18431

VEHICLE CODE 0319

TIME IN 09:19:17

TIME OUT 09:39:07

GRID 8033

SOURCE 50 Susquehanna

REFUSE 13 Res./Contam. Soil

DRIVER

466050

GROSS

16

72120

TARE

28500

NET

43540

NET TONS

21.77

WEIGHMASTER: Kevin Toy

LICENSE: 75300

PUMP/PANTRY

Wrong Customer

Keystone Sanitary Landfill
249 Dunham Dr.
Dunmore PA
18512

TICKET #0155390
STATION 1 SCALE 1
DATE 06/23/10
TIME 11:06:31

CUSTOMER LEEWAR / Acc't
Leeward Construction Inc.
9Collan Park
Honesdale, PA 18431

VEHICLE CODE D314

TIME IN 10:48:56

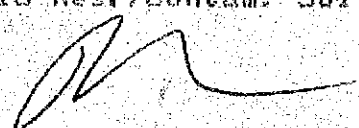
TIME OUT 11:06:31

GRID 8033

GROSS	1b
TARE	70060
NET	28400
NET TONS	41660
	20.83

SOURCE 58 Susquehanna

REFUSE 13 Res./Contam. Soil

DRIVER 

WEIGHMASTER: Kevin Toy
LICENSE: 75908
pumpnpantry

Keystone Sanitary Landfill
249 Dunham Dr.
Dunmore PA
18512

TICKET #0155390
STATION 1 SCALE 1
DATE 06/23/10
TIME 11:15:51

CUSTOMER LEEWAR / Acc't
Leeward Construction Inc.
9Collan Park
Honesdale, PA 18431

VEHICLE CODE D310

TIME IN 10:54:57

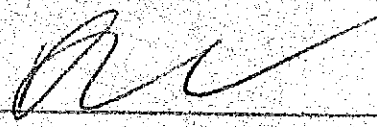
TIME OUT 11:15:51

GRID 8033

GROSS	1b
TARE	69500
NET	28540
NET TONS	40960
	20.48

SOURCE 58 Susquehanna

REFUSE 13 Res./Contam. Soil

DRIVER 
466050

WEIGHMASTER: Kevin Toy
LICENSE: 75908
pumpnpantry

Keystone Sanitary Landfill

249 Dunham Dr.
Dunmore PA
18512

TICKET #0155392
STATION 1 SCALE C
DATE 06/23/16
TIME 11:22:57

CUSTOMER LEENAR / Acc't
Leeward Construction Inc.
9Collan Park
Honesdale, PA 18431

VEHICLE CODE D311

TIME IN 11:02:23

TIME OUT 11:22:57

GRID 8033

GROSS	1b
TARE	68600
NET	29320
NET TONS	39280
	19.64

SOURCE 58 Susquehanna

REFUSE 13 Res./Contam. Soil

WEIGHMASTER: Kevin Toy
LICENSE: 75908
pumpnpantry

DRIVER

466050

Keystone Sanitary Landfill

249 Dunham Dr.
Dunmore PA
18512

TICKET #0155393
STATION 1 SCALE C
DATE 06/23/16
TIME 11:27:07

CUSTOMER LEENAR / Acc't
Leeward Construction Inc.
9Collan Park
Honesdale, PA 18431

VEHICLE CODE D316

TIME IN 11:07:12

TIME OUT 11:27:07

GRID 8033

GROSS	1b
TARE	68920
NET	28420
NET TONS	40500
	20.25

SOURCE 58 Susquehanna

REFUSE 13 Res./Contam. Soil

WEIGHMASTER: Kevin Toy
LICENSE: 75908
pumpnpantry

DRIVER

466050

Keystone Sanitary Landfill
249 Dunham Dr.
Dunmore PA
18512

TICKET #0155394
STATION 1 SCALE
DATE 06/23/1
TIME 11:39:2

CUSTOMER LEEMAR / Acc't
Leeward Construction Inc.
9Collan Park
Honesdale, PA 18431

VEHICLE CODE D318

TIME IN 11:24:19

TIME OUT 11:39:2

GRID 8033

SOURCE 58 Susquehanna

REFUSE 13 Res./Contam. Soil

DRIVER

GROSS 71500
TARE 28200
NET 43300
NET TONS 21.65

WEIGHMASTER: Kevin Toy
LICENSE: 75908
pumpnpantry

466050

Keystone Sanitary Landfill
249 Dunham Dr.
Dunmore PA
18512

TICKET #01553952
STATION 1 SCALE C
DATE 06/23/16
TIME 11:47:27

CUSTOMER LEEMAR / Acc't
Leeward Construction Inc.
9Collan Park
Honesdale, PA 18431

VEHICLE CODE D312

TIME IN 11:33:44

TIME OUT 11:47:27

GRID 8033

SOURCE 58 Susquehanna

REFUSE 13 Res./Contam. Soil

DRIVER

GROSS 70440
TARE 28340
NET 42100
NET TONS 21.05

WEIGHMASTER: Kevin Toy
LICENSE: 75908
PUMPNPANTRY

Mark Caton
Diaz 312

466050

Keystone Sanitary Landfill
249 Dunham Dr.
Dunmore PA
18512

TICKET #0155396
STATION 1 SCALE 1
DATE 06/23/11
TIME 12:00:41

CUSTOMER LEEMAR / Acc't
Leeward Construction Inc.
9Collan Park
Honesdale, PA 18431

VEHICLE CODE D319

TIME IN 11:47:01

TIME OUT 12:00:41

GRID 0033

GROSS
TARE
NET
NET TONS

1b
70540
28540
42000
21.00

SOURCE 58 Susquehanna

REFUSE 13 Res./Contam. Soil

DRIVER

WEIGHMASTER: Kevin Toy
LICENSE: 75908
PUMPNDPANTRY

466050

Keystone Sanitary Landfill
249 Dunham Dr.
Dunmore PA
18512

TICKET #0155396
STATION 1 SCALE 1
DATE 06/23/11
TIME 12:07:50

CUSTOMER LEEMAR / Acc't
Leeward Construction Inc.
9Collan Park
Honesdale, PA 18431

VEHICLE CODE LEE957

TIME IN 11:43:23

TIME OUT 12:07:50

GRID 0033

GROSS
TARE
NET
NET TONS

1b
71780
28820
42960
21.40

SOURCE 58 Susquehanna

REFUSE 13 Res./Contam. Soil

DRIVER

WEIGHMASTER: Kevin Toy
LICENSE: 75908
pumpndpantry

466050

Keystone Sanitary Landfill
249 Dunham Dr.
Dunmore PA
15512

TICKET #01553971
STATION 1 SCALE 1
DATE 06/23/16
TIME 12:13:11

CUSTOMER LEEMAR / Acct
Leeward Construction Inc.
9Collan Park
Honesdale, PA 18431

VEHICLE CODE LEE947

TIME IN 11:54:20

TIME OUT 12:13:11

GRID 0033

SOURCE 55 Susquehanna

REFUSE 13 Res./Contam. Soil

GROSS	16
TARE	67860
NET	28622
NET TONS	30640
	19.32

DRIVER

WEIGHMASTER: Kevin Toy
LICENSE: 75998
pneupantry

JOB# 466050

Keystone Sanitary Landfill
249 Dunham Dr.
Dunmore PA
15512

TICKET #01553985
STATION 1 SCALE C
DATE 06/23/16
TIME 12:22:59

CUSTOMER LEEMAR / Acct
Leeward Construction Inc.
9Collan Park
Honesdale, PA 18431

VEHICLE CODE LEE950

TIME IN 12:06:16

TIME OUT 12:22:59

GRID 0033

SOURCE 52 Susquehanna

REFUSE 13 Res./Contam. Soil

GROSS	16
TARE	70040
NET	29800
NET TONS	40160
	20.08

DRIVER

WEIGHMASTER: Kevin Toy
LICENSE: 75998
pneupantry per jim

466050

Keystone Sanitary Landfill
249 Dunham Dr.
Dunmore PA
18512

TICKET #01554001
STATION 1 SCALE 1
DATE 06/23/16
TIME 12:36:45

CUSTOMER LEOWAR / Acc't
Leeward Construction Inc.
9Collan Park
Honesdale, PA 18431

VEHICLE CODE LEE948

TIME IN 12:14:29

TIME OUT 12:36:45

GRID 8033

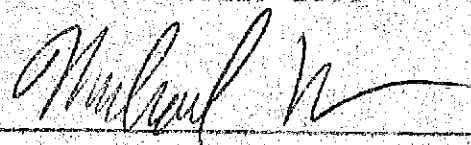
GROSS
TARE
NET
NET TONS

1b
70380
28620
41760
20.88

SOURCE 58 Susquehanna

REFUSE 13 Res./Contam. Soil

DRIVER


466050

WEIGHMASTER: Kevin Toy
LICENSE: 75908
pumpnpantry

Keystone Sanitary Landfill
249 Dunham Dr.
Dunmore PA
18512

TICKET #01554012
STATION 1 SCALE 1
DATE 06/23/16
TIME 12:46:12

CUSTOMER LEOWAR / Acc't
Leeward Construction Inc.
9Collan Park
Honesdale, PA 18431

VEHICLE CODE D317

TIME IN 12:28:17

TIME OUT 12:46:12

GRID 8033

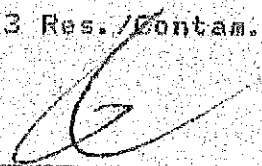
GROSS
TARE
NET
NET TONS

1b
73080
28480
44600
22.30

SOURCE 58 Susquehanna

REFUSE 13 Res./Contam. Soil

DRIVER


466050

WEIGHMASTER: Kevin Toy
LICENSE: 75908
pumpnpantry

Keystone Sanitary Landfill

249 Dunham Dr.
Dunmore PA
18512

TICKET #01554317
STATION 1 SCALE (
DATE 06/24/10
TIME 08:19:30

CUSTOMER LEEWAR / Acc't
Leeward Construction Inc.
9Collan Park
Honesdale, PA 18431

VEHICLE CODE D314

TIME IN 08:02:21

TIME OUT 08:19:30

GRID 0034

GROSS
TARE
NET
NET TONS

1b
70480
28460
42020
21.01

SOURCE 58 Susquehanna

REFUSE 13 Res./Contam. Soil

DRIVER

WEIGHMASTER: Chris Consalvo
LICENSE: 068739/068189
pumpnpantry

466050

Keystone Sanitary Landfill

249 Dunham Dr.
Dunmore PA
18512

TICKET #01554320
STATION 1 SCALE (
DATE 06/24/10
TIME 08:24:30

CUSTOMER LEEWAR / Acc't
Leeward Construction Inc.
9Collan Park
Honesdale, PA 18431

VEHICLE CODE D312

TIME IN 08:09:27

TIME OUT 08:24:30

GRID 0034

GROSS
TARE
NET
NET TONS

1b
71380
28400
42980
21.49

SOURCE 58 Susquehanna

REFUSE 13 Res./Contam. Soil

DRIVER

WEIGHMASTER: Chris Consalvo
LICENSE: 068739/068189
pumpnpantry

Diaz TR 312

Job # 466050

Keystone Sanitary Landfill

249 Dunham Dr.
Dunmore PA
18512

TICKET #01554331

STATION 1 SCALE 1

DATE 06/24/10

TIME 08:32:50

CUSTOMER LEEWAR / Acc't
Leeward Construction Inc.
9Collan Park
Honesdale, PA 18431

VEHICLE CODE D316

TIME IN 08:17:37

TIME OUT 08:32:50

GRID 8034

GROSS
TARE
NET
NET TONS

1b
69120
28660
40460
20.23

SOURCE 58 Susquehanna

REFUSE 13 Res./Contam. Soil

DRIVER

WEIGHMASTER: Chris Consalvo
LICENSE: 068739/068189
pumpnpantry

bb 466050
DIA2 316

Keystone Sanitary Landfill

249 Dunham Dr.
Dunmore PA
18512

TICKET #015543

STATION 1 SCALE

DATE 06/24/

TIME 08:42:

CUSTOMER LEEWAR / Acc't
Leeward Construction Inc.
9Collan Park
Honesdale, PA 18431

VEHICLE CODE D318

TIME IN 08:24:17

TIME OUT 08:42:

GRID 8034

GROSS
TARE
NET
NET TONS

Pump 2 Pantry

1b
71640
28300
43340
21.67

SOURCE 58 Susquehanna

REFUSE 13 Res./Contam. Soil

DRIVER

WEIGHMASTER: Chris Consalvo
LICENSE: 068739/068189
pumpnpantry

DIA2 #318
Matt Reser

Keystone Sanitary Landfill
249 Dunham Dr.
Dunmore PA
18512

TICKET #0155436
STATION 1 SCALE
DATE 06/24/1
TIME 09:03:1

CUSTOMER LEEWAR / Acc't
Leeward Construction Inc.
9Collan Park
Honesdale, PA 18431

VEHICLE CODE LEE957

TIME IN 08:36:28

TIME OUT 09:03:1

GROSS
TARE
NET
NET TONS

lb
73040
28860
44180
22.09

GRID 8034

SOURCE 58 Susquehanna

REFUSE 13 Res./Contam. Soil

DRIVER

WEIGHMASTER: Chris Consalvo
LICENSE: 068739/068189
pumpnpantry

Keystone Sanitary Landfill
249 Dunham Dr.
Dunmore PA
18512

TICKET #0155436
STATION 1 SCALE
DATE 06/24/1
TIME 09:09:0

CUSTOMER LEEWAR / Acc't
Leeward Construction Inc.
9Collan Park
Honesdale, PA 18431

VEHICLE CODE D319

TIME IN 08:52:17

TIME OUT 09:09:0

GROSS
TARE
NET
NET TONS

lb
69540
28540
41000
20.50

GRID 8034

SOURCE 58 Susquehanna

REFUSE 13 Res./Contam. Soil

DRIVER

WEIGHMASTER: Chris Consalvo
LICENSE: 068739/068189
PUMPNPANTRY

Job# 466050

Truck 319

Keystone Sanitary Landfill

249 Dunham Dr.
Dunmore PA
18512

TICKET #0155437
STATION 1 SCALE 1
DATE 06/24/11
TIME 09:16:5

CUSTOMER LEEWAR / Acc't
Leeward Construction Inc.
9Collan Park
Honesdale, PA 18431

VEHICLE CODE LEE947

TIME IN 08:45:54

TIME OUT 09:16:5

GRID 8034

SOURCE 58 Susquehanna

REFUSE 13 Res./Contam. Soil

DRIVER

GROSS
TARE
NET
NET TONS

1b
74540
28660
45880
22.94

WEIGHMASTER: Chris Consalvo
LICENSE: 068739/068189
pump and pantry

[Signature]
JB #466050

JOB# 466050

Keystone Sanitary Landfill

249 Dunham Dr.
Dunmore PA
18512

TICKET #015543
STATION 1 SCALE
DATE 06/24/
TIME 09:19:

CUSTOMER LEEWAR / Acc't
Leeward Construction Inc.
9Collan Park
Honesdale, PA 18431

VEHICLE CODE LEE958

TIME IN 08:58:58

TIME OUT 09:19:

GRID 8034

SOURCE 58 Susquehanna

REFUSE 13 Res./Contam. Soil

DRIVER

GROSS
TARE
NET
NET TONS

1b
70040
30020
40020
20.01

WEIGHMASTER: Chris Consalvo
LICENSE: 068739/068189
pump and pantry per jim

[Signature]

Keystone Sanitary Landfill

249 Dunham Dr.
Dunmore PA
18512

TICKET #0155439
STATION 1 SCALE 1
DATE 06/24/11
TIME 09:34:40

CUSTOMER LEEWAR / Acc't
Leeward Construction Inc.
9Collan Park
Honesdale, PA 18431

VEHICLE CODE SCR95

TIME IN 09:02:41

TIME OUT 09:34:40

GRID B034

GROSS
TARE
NET
NET TONS

1b
75640
30020
45620
22.81

SOURCE 58 Susquehanna

REFUSE 13 Res./Contam. Soil

DRIVER

WEIGHMASTER: Chris Consalvo
LICENSE: 068739/068189
pumppantry

466050

REPRINT REPRINT REPRINT REPRINT REPRINT REPRINT REPRINT

Keystone Sanitary Landfill

249 Dunham Dr.
Dunmore PA
18512

TICKET #0155439
STATION 1 SCALE 1
DATE 06/24/11
TIME 09:43:40

CUSTOMER LEEWAR / Acc't
Leeward Construction Inc.
9Collan Park
Honesdale, PA 18431

VEHICLE CODE SCR95

TIME IN 09:10:24

TIME OUT 09:43:40

GRID B034

GROSS
TARE
NET
NET TONS

1b
73060
29260
43800
21.90

SOURCE 58 Susquehanna

REFUSE 13 Res./Contam. Soil

DRIVER

WEIGHMASTER: Chris Consalvo
LICENSE: 068739/068189
pumppantry

466050

Keystone Sanitary Landfill

249 Dunham Dr.

Dunmore PA

18512

TICKET #0155442

STATION 1 SCALE

DATE 06/24/11

TIME 10:06:00

CUSTOMER LEOWAR / Acc't
Leeward Construction Inc.
9Collan Park
Honesdale, PA 18431

VEHICLE CODE D310

TIME IN 09:41:17

TIME OUT 10:06:00

GRID 8034

SOURCE 58 Susquehanna

REFUSE 13 Res. Contam. Soil

DRIVER

GROSS
TARE
NET
NET TONS

lb
74540
28460
46080
23.04

WEIGHMASTER: Chris Consalvo
LICENSE: 068739/068189
pumpnpanttry

Job # 466050

Keystone Sanitary Landfill

249 Dunham Dr.

Dunmore PA

18512

TICKET #0155445

STATION 1 SCALE

DATE 06/24/11

TIME 10:39:20

CUSTOMER LEOWAR / Acc't
Leeward Construction Inc.
9Collan Park
Honesdale, PA 18431

VEHICLE CODE D314

TIME IN 10:16:09

TIME OUT 10:39:20

GRID 8034

SOURCE 58 Susquehanna

REFUSE 13 Res./Contam. Soil

DRIVER

GROSS
TARE
NET
NET TONS

lb
71200
28240
42960
21.48

WEIGHMASTER: Chris Consalvo
LICENSE: 068739/068189
pumpnpanttry

466050

Keystone Sanitary Landfill
249 Dunham Dr.
Dunmore PA
18512

TICKET #0155445
STATION 1 SCALE
DATE 06/24/1
TIME 10:40:3

CUSTOMER LEEWAR / Acc't
Leeward Construction Inc.
9Collan Park
Honesdale, PA 18431

VEHICLE CODE D313

TIME IN 10:06:40

TIME OUT 10:40:3

GRID 8034

SOURCE 58 Susquehanna

REFUSE 13 Res./Contam. Soil

DRIVER

	lb
GROSS	74060
TARE	28300
NET	45760
NET TONS	22.88

WEIGHMASTER: Chris Consalvo
LICENSE: 068739/068189
pumpnpantry

Job # 466050

Keystone Sanitary Landfill
249 Dunham Dr.
Dunmore PA
18512

TICKET #0155446
STATION 1 SCALE
DATE 06/24/1
TIME 10:46:5

CUSTOMER LEEWAR / Acc't
Leeward Construction Inc.
9Collan Park
Honesdale, PA 18431

VEHICLE CODE D312

TIME IN 10:29:03

TIME OUT 10:46:5

GRID 8034

SOURCE 58 Susquehanna

REFUSE 13 Res./Contam. Soil

DRIVER

	lb
GROSS	72300
TARE	28320
NET	43980
NET TONS	21.99

WEIGHMASTER: Chris Consalvo
LICENSE: 068739/068189
pumpnpantry

Diat TR 312
Job # 466050

Keystone Sanitary Landfill
249 Dunham Dr.
Dunmore PA
18512

TICKET #0155447
STATION 1 SCALE C
DATE 06/24/10
TIME 10:49:4

CUSTOMER LEEWAR / Acc't
Leeward Construction Inc.
9Collan Park
Honesdale, PA 18431

VEHICLE CODE D316

TIME IN 10:32:49

TIME OUT 10:49:4

GRID 8034

GROSS
TARE
NET
NET TONS

1b
66360
28520
37840
18.92

SOURCE 58 Susquehanna

REFUSE 15 Res./Contam. Soil

DRIVER

WEIGHMASTER: Chris Consalvo
LICENSE: 068739/068189
pumpnpantry

Job # 466050

DIAZ 212

Keystone Sanitary Landfill
249 Dunham Dr.
Dunmore PA
18512

TICKET #0155448
STATION 1 SCALE C
DATE 06/24/10
TIME 11:01:21

CUSTOMER LEEWAR / Acc't
Leeward Construction Inc.
9Collan Park
Honesdale, PA 18431

VEHICLE CODE D318

TIME IN 10:42:49

TIME OUT 11:01:21

GRID 8034

GROSS
TARE
NET
NET TONS

1b
69860
20080
41780
20.89

SOURCE 58 Susquehanna

REFUSE 13 Res./Contam. Soil

DRIVER

WEIGHMASTER: Chris Consalvo
LICENSE: 068739/068189
pumpnpantry

DIAZ #918
Matt Proser

Keystone Sanitary Landfill
249 Dunham Dr.
Dunmore PA
18512

TICKET #01554531
STATION 1 SCALE C
DATE 06/24/16
TIME 11:55:24

CUSTOMER LEEWAR / Acc't
Leeward Construction Inc.
9Collan Park
Honesdale, PA 18431

VEHICLE CODE LEE947

TIME IN 11:32:26 TIME OUT 11:55:24

GRID 8034

GROSS	1b
TARE	65760
NET	28560
NET TONS	37200
	18.60

SOURCE 58 Susquehanna

REFUSE 13 Res./Contam. Soil

DRIVER

WEIGHMASTER: Chris Consalvo
LICENSE: 068739/068189
pumpnpantry

Keystone Sanitary Landfill
249 Dunham Dr.
Dunmore PA
18512

TICKET #01554534
STATION 1 SCALE C
DATE 06/24/16
TIME 11:57:46

CUSTOMER LEEWAR / Acc't
Leeward Construction Inc.
9Collan Park
Honesdale, PA 18431

VEHICLE CODE LEE957

TIME IN 11:18:15 TIME OUT 11:57:46

GRID 8034

GROSS	1b
TARE	74340
NET	28700
NET TONS	45640
	22.82

SOURCE 58 Susquehanna

REFUSE 13 Res./Contam. Soil

DRIVER

WEIGHMASTER: Chris Consalvo
LICENSE: 068739/068189
pumpnpantry

JCR# 466050

Keystone Sanitary Landfill
249 Dunham Dr.
Dunmore PA
18512

TICKET #0155454
STATION 1 SCALE 1
DATE 06/24/10
TIME 12:08:00

CUSTOMER LEEWAR / Acc't
Leeward Construction Inc.
90 Collan Park
Honesdale, PA 18431

VEHICLE CODE LEE950

TIME IN 11:45:22 TIME OUT 12:08:00

GRID 8034

GROSS	1b
TARE	70400
NET	29860
NET TONS	40540
	20.27

SOURCE 50 Susquehanna

REFUSE 13 Res./Contam. Soil

WEIGHMASTER: Chris Consalvo
LICENSE: 068739/068189
pump and pantry per jim

DRIVER 

LWD	LEEWARD CONSTRUCTION INC 9 COLLAN PARK HONESDALE, PA 18431
Phone	(570) 253-4090

Inv# 20150126 Invoice

Invoice Number	466000-005770
Invoice Date	06/30/16
PO Number	

PUMPANPAN	PUMP N PANTRY 754 GROW AVE MONTROSE, PA 18801
-----------	---

Phone	(570) 226-5810
Fax	
Attention	Scott Quigg

Description	Quantity	Unit Price	Un	Tax	Amount
ADDITIONAL WORK AS PER AGREEMENT DATED 6/7/16					
EXCAVATE AND LOAD CONTAMINATED SOILS, FURNISH AND INSTALL STRUCTURAL BACKFILL MATERIAL COMPACTED IN PLACE	187.300	60.000	CY	0	11,238.00
HAULED CONTAMINATED MATERIAL IN DEP WAST APPROVED TRIAXLES, PORT TO PORT	60.000	90.000	HR	0	5,400.00
HAZARDOUS MATERIAL DISPOSAL	320.180	70.400	TN	0	22,540.67
Subtotal:					39,178.67
Retainage:					0.00
Total:					39,178.67

Terms	UPON RECEIPT
-------	--------------

Keystone Sanitary Landfill
249 Dunham Dr.
Dunmore PA
18512

TICKET #01555080
STATION 1 SCALE C
DATE 06/27/16
TIME 08:25:42

CUSTOMER LEEWAR / Acc't
Leeward Construction Inc.
9Collan Park
Honesdale, PA 18431

VEHICLE CODE D310

TIME IN 08:08:21

TIME OUT 08:25:42

GROSS
TARE
NET
NET TONS

1b
71180
28560
42620
21.31

GRID B036

SOURCE 58 Susquehanna

REFUSE 13 Res./Contam. Soil

WEIGHMASTER: Chris Consalvo
LICENSE: 068739/068189
pumpnpantry

DRIVER

466050

Keystone Sanitary Landfill
249 Dunham Dr.
Dunmore PA
18512

TICKET #01555080
STATION 1 SCALE C
DATE 06/27/16
TIME 08:38:36

CUSTOMER LEEWAR / Acc't
Leeward Construction Inc.
9Collan Park
Honesdale, PA 18431

VEHICLE CODE LEE957

TIME IN 08:20:05

TIME OUT 08:38:36

GROSS
TARE
NET
NET TONS

1b
68600
28900
39700
19.85

GRID B036

SOURCE 58 Susquehanna

REFUSE 13 Res./Contam. Soil

WEIGHMASTER: Chris Consalvo
LICENSE: 068739/068189
pumpnpantry

DRIVER

466050

Keystone Sanitary Landfill
249 Dunham Dr.
Dunmore PA
18512

TICKET #0155500
STATION 1 SCALE 1
DATE 06/27/10
TIME 08:41:50

CUSTOMER LEEWARD / Acct
Leeward Construction Inc.
9Collan Park
Honesdale, PA 18431

VEHICLE CODE D316

TIME IN 08:21:29

TIME OUT 08:41:50

GRID B036

SOURCE 58 Susquehanna

REFUSE 13 Res./Contam. Soil

GROSS
TARE
NET
NET TONS

1b
60340
28640
39700
19.85

WEIGHMASTER: Chris Consalvo
LICENSE: 068739/068189
pumpnpantry

DRIVER

Job# 466050

TRUCK# B12 316

Keystone Sanitary Landfill
249 Dunham Dr.
Dunmore PA
18512

TICKET #01555090
STATION 1 SCALE 1
DATE 06/27/10
TIME 08:42:35

CUSTOMER LEEWARD / Acct
Leeward Construction Inc.
9Collan Park
Honesdale, PA 18431

VEHICLE CODE D318

TIME IN 08:26:52

TIME OUT 08:42:35

GRID B036

SOURCE 58 Susquehanna

REFUSE 13 Res./Contam. Soil

GROSS Pump + Pantry
TARE 466050 #318
NET
NET TONS Matt Rossi

1b
71440
28360
43080
21.54

WEIGHMASTER: Chris Consalvo
LICENSE: 068739/068189
pumpnpantry

DRIVER

Keystone Sanitary Landfill

249 Dunham Dr.

Dunmore PA

18512

TICKET #0155510

STATION 1 SCALE 1

DATE 06/27/16

TIME 08:57:46

CUSTOMER LEEWARD / Acc't

Leeward Construction Inc.

9Collan Park

Honesdale, PA 18431

VEHICLE CODE D312

TIME IN 08:41:47

TIME OUT 08:57:46

GRID 8036

GROSS

1b
72880

TARE

28420

NET

44460

NET TONS

22.23

SOURCE 58 Susquehanna

REFUSE 13 Res./Contam. Soil

WEIGHMASTER: Chris Consalvo

LICENSE: 068739/068189

pumpnpantry

DRIVER

For Lee Ward
Job # 466050
Diaz TR 312

Keystone Sanitary Landfill

249 Dunham Dr.

Dunmore PA

18512

TICKET #01555090

STATION 1 SCALE 1

DATE 06/27/16

TIME 08:52:47

CUSTOMER LEEWARD / Acc't

Leeward Construction Inc.

9Collan Park

Honesdale, PA 18431

VEHICLE CODE D314

TIME IN 08:31:47

TIME OUT 08:52:47

GRID 8036

GROSS

1b
71180

TARE

28420

NET

42760

NET TONS

21.38

SOURCE 58 Susquehanna

REFUSE 13 Res./Contam. Soil

WEIGHMASTER: Chris Consalvo

LICENSE: 068739/068189

pumpnpantry

DRIVER

466050

Keystone Sanitary Landfill
249 Dunham Dr.
Dunmore PA
18512

TICKET #01555110
STATION 1 SCALE C
DATE 06/27/16
TIME 09:11:20

CUSTOMER LEEMAR / Acc't
Leeward Construction Inc.
9 Collan Park
Honesdale, PA 18431

VEHICLE CODE D317

TIME IN 08:55:18

TIME OUT 09:11:20

GROSS
TARE
NET
NET TONS

1b
72320
28540
43780
21.89

GRID 8036

SOURCE 58 Susquehanna

REFUSE 13 Res./Contam. Soil

WEIGHMASTER: Chris Consalvo
LICENSE: 06A739/06A189
pumpnpantry

DRIVER

JOB # 466050
Truck 317

Keystone Sanitary Landfill
249 Dunham Dr.
Dunmore PA
18512

TICKET #01555110
STATION 1 SCALE C
DATE 06/27/16
TIME 09:25:16

CUSTOMER LEEMAR / Acc't
Leeward Construction Inc.
9 Collan Park
Honesdale, PA 18431

VEHICLE CODE LEE947

TIME IN 09:00:14

TIME OUT 09:25:16

GROSS
TARE
NET
NET TONS

1b
65060
28660
36400
18.20

GRID 8036

SOURCE 58 Susquehanna

REFUSE 13 Res./Contam. Soil

WEIGHMASTER: Chris Consalvo
LICENSE: 06A739/06A189
pumpnpantry

DRIVER

RR
JOB # 466050

Keystone Sanitary Landfill
249 Dunham Dr.
Dunmore PA
18512

TICKET #01555111
STATION 1 SCALE 1
DATE 06/27/16
TIME 09:26:14

CUSTOMER LEEWAR / Acc't
Leeward Construction Inc.
9Collan Park
Honesdale, PA 18431

VEHICLE CODE LEE950

TIME IN 08:59:44

TIME OUT 09:26:14

GROSS
TARE
NET
NET TONS

1b
66560
30000
36560
18.28

SOURCE 58 Susquehanna

REFUSE 13 Res./Contam. Soil

DRIVER

WEIGHMASTER: Chris Consalvo
LICENSE: 060739/060109
pump and pantry per jim

Keystone Sanitary Landfill
249 Dunham Dr.
Dunmore PA
18512

TICKET #01555136
STATION 1 SCALE C
DATE 06/27/16
TIME 09:40:34

CUSTOMER LEEWAR / Acc't
Leeward Construction Inc.
9Collan Park
Honesdale, PA 18431

VEHICLE CODE LEE951

TIME IN 09:12:14

TIME OUT 09:40:34

GROSS
TARE
NET
NET TONS

1b
65160
29540
35620
17.81

SOURCE 58 Susquehanna

REFUSE 13 Res./Contam. Soil

DRIVER

WEIGHMASTER: Chris Consalvo
LICENSE: 060739/060109
pump and pantry

Keystone Sanitary Landfill

249 Dunham Dr.
Dunmore PA
18512

TICKET #0155520
STATION 1 SCALE 1
DATE 06/27/11
TIME 11:04:31

CUSTOMER LEEWAR / Acc't
Leeward Construction Inc.
9Collan Park
Honesdale, PA 18431

VEHICLE CODE D310

TIME IN 10:24:38

TIME OUT 11:04:31

GRID 8036

GROSS
TARE
NET
NET TONS

1b
67040
28420
39420
19.71

SOURCE 58 Susquehanna
REFUSE 13 Res./Contam. Soil

WEIGHMASTER: Chris Consalvo
LICENSE: 068739/068189
pumpnpantry

DRIVER

466050

Keystone Sanitary Landfill

249 Dunham Dr.
Dunmore PA
18512

TICKET #01555211
STATION 1 SCALE C
DATE 06/27/16
TIME 11:08:40

CUSTOMER LEEWAR / Acc't
Leeward Construction Inc.
9Collan Park
Honesdale, PA 18431

VEHICLE CODE D316

TIME IN 10:42:52

TIME OUT 11:08:40

GRID 8036

GROSS
TARE
NET
NET TONS

1b
69000
28480
40520
20.26

SOURCE 58 Susquehanna
REFUSE 13 Res./Contam. Soil

WEIGHMASTER: Chris Consalvo
LICENSE: 068739/068189
pumpnpantry

DRIVER

Job # 466050

TAK DIAZ 316

Keystone Sanitary Landfill
249 Dunham Dr.
Dunmore PA
18512

TICKET #01555222
STATION 1 SCALE 1
DATE 06/27/11
TIME 11:16:21

CUSTOMER LEENAR / Acc't
Leeward Construction Inc.
9Collan Park
Honesdale, PA 18431

VEHICLE CODE LEE957

TIME IN 10:49:40

TIME OUT 11:16:21

GRID 8036

GROSS
TARE
NET
NET TONS

1b
64660
28820
35840
17.92

SOURCE 58 Susquehanna

REFUSE 13 Res./Contam. Soil

WEIGHMASTER: Chris Consalvo
LICENSE: 068739/068189
pumpnpantry

DRIVER

[Signature]
466050

Keystone Sanitary Landfill
249 Dunham Dr.
Dunmore PA
18512

TICKET #01555222
STATION 1 SCALE C
DATE 06/27/16
TIME 11:17:27

CUSTOMER LEENAR / Acc't
Leeward Construction Inc.
9Collan Park
Honesdale, PA 18431

VEHICLE CODE D318

TIME IN 10:48:46

TIME OUT 11:17:27

GRID 8036

GROSS
TARE
NET
NET TONS

1b
67560
28220
39340
19.67

SOURCE 58 Susquehanna

REFUSE 13 Res./Contam. Soil

WEIGHMASTER: Chris Consalvo
LICENSE: 068739/068189
pumpnpantry

DRIVER

[Signature]

Keystone Sanitary Landfill
249 Dunham Dr.
Dunmore PA
18512

TICKET #0155522
STATION 1 SCALE 1
DATE 06/27/10
TIME 11:23:10

CUSTOMER LEEWAR / Acc't
Leeward Construction Inc.
9Collan Park
Honesdale, PA 18431

VEHICLE CODE D314

TIME IN 10:54:39 TIME OUT 11:23:10

GRID 8036

GROSS	1b
TARE	60220
NET	28300
NET TONS	39920
	19.96

SOURCE 58 Susquehanna

REFUSE 13 Res./Contam. Soil

WEIGHMASTER: Chris Consalvo
LICENSE: 068739/068189
pumpnpantry

DRIVER

466050

Keystone Sanitary Landfill
249 Dunham Dr.
Dunmore PA
18512

TICKET #0155523
STATION 1 SCALE 1
DATE 06/27/10
TIME 11:25:17

CUSTOMER LEEWAR / Acc't
Leeward Construction Inc.
9Collan Park
Honesdale, PA 18431

VEHICLE CODE D312

TIME IN 11:05:17 TIME OUT 11:25:17

GRID 8036

GROSS	1b
TARE	60900
NET	28260
NET TONS	40640
	20.32

SOURCE 58 Susquehanna

REFUSE 13 Res./Contam. Soil

WEIGHMASTER: Chris Consalvo
LICENSE: 068739/068189
pumpnpantry

DRIVER

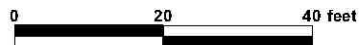
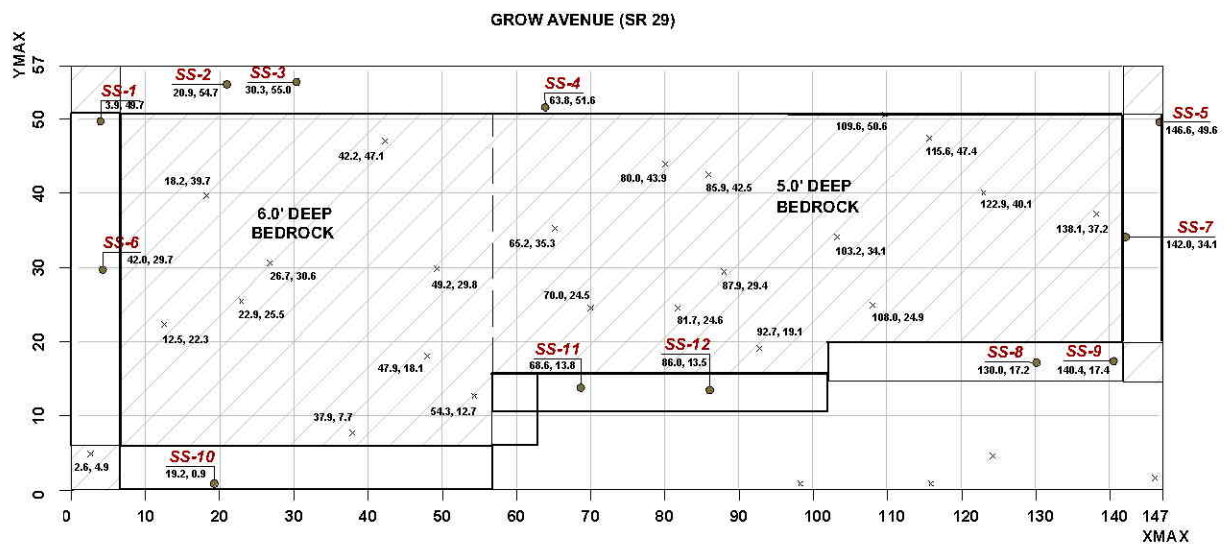
Job #

466050

Diaz TR 31N

APPENDIX Z

Systematic Random Workbook and Sampling Grid



ABELLA Associates
Engineering
Architecture
Environmental
Planning

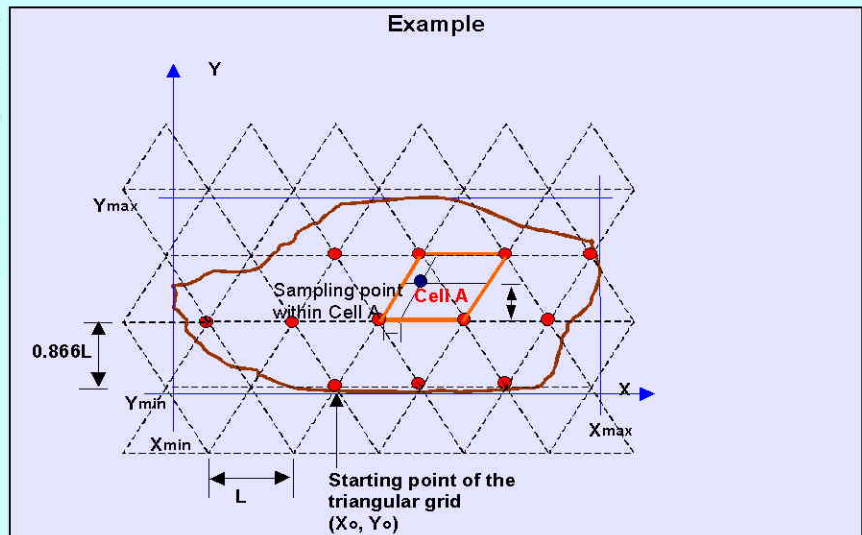
FIGURE Z-1
SYSTEMATIC RANDOM SAMPLING GRID
PUMP-N-PANTRY #001 PROPERTY
99 GROW AVENUE
BRIDGEWATER TOWNSHIP,
SUSQUEHANNA COUNTY, PENNSYLVANIA

DRAWN BY: KC DATE: 06/24/2016

SCALE: 1" = 20'

Systematic Random Sampling Workbook

Area of Contamination (Sq. feet.):	7066	
Depth Zone (feet.):	0	0
Volume of Contaminated Soil (Cubic Yards):	1050	
Number of Soil Samples: (If you are applying 75%/10X or 75%/2X rule, the spreadsheet will determine the minimum number of samples for you. Otherwise, please specify the number of samples here. Limitations: The maximum number of samples per row is ten. The maximum number of rows is ten.=====)		
	32	
Number of Soil Samples:	32	
L= Cell Spacing (feet):	16	
$0.866 \cdot L$ (feet):	13.9	
X_{min} (feet):	0	
X_{max} (feet):	14.7	
Y_{min} (feet):	0	
Y_{max} (feet):	57	
X_0 (feet):	72.5	
Y_0 (feet):	56.1	



Triangular Grid Node Coordinate Pairs

	0th Row (X_i, Y_i)
	-7.5 56.1
	8.5 56.1
	24.5 56.1
	40.5 56.1
	56.5 56.1
Starting Point ---->	72.5 56.1
	88.5 56.1
	104.5 56.1
	120.5 56.1
	136.5 56.1

[illegible]

-1st Row (Xi, Yi)	
-15.5	42.2
0.5	42.2
16.5	42.2
32.5	42.2
48.5	42.2
64.5	42.2
80.5	42.2
96.5	42.2
112.5	42.2
128.5	42.2
144.5	42.2

[illegible]

3rd Row
(X_i , Y_i)

-2nd Row (Xi, Yi)	
-7.5	28.3
8.5	28.3
24.5	28.3
40.5	28.3
56.5	28.3
72.5	28.3
88.5	28.3
104.5	28.3
120.5	28.3
136.5	28.3

-3rd Row (Xi, Yi)	
-15.5	14.4
0.5	14.4
16.5	14.4
32.5	14.4
48.5	14.4
64.5	14.4
80.5	14.4
96.5	14.4
112.5	14.4
128.5	14.4
144.5	14.4

4th Row
(Xi, Yi)

5th Row
(X_i , Y_i)

-4th Row (Xi, Yi)	
-7.5	0.5
8.5	0.5
24.5	0.5
40.5	0.5
56.5	0.5
72.5	0.5
88.5	0.5
104.5	0.5
120.5	0.5
136.5	0.5

-5th Row (Xi, Yi)	
-15.5	-13.4
0.5	-13.4
16.5	-13.4
32.5	-13.4
48.5	-13.4
64.5	-13.4
80.5	-13.4
96.5	-13.4
112.5	-13.4
128.5	-13.4
144.5	-13.4

6th Row
(**Xi**, **Yi**)

7th Row
(**Xi**, **Yi**)

-6th Row
(**Xi**, **Yi**)

-7th Row
(**Xi**, **Yi**)

8th Row
(X_i , Y_i)

9th Row
(X_i , Y_i)

-8th Row
(X_i , Y_i)

-9th Row
(X_i , Y_i)

10th Row
(Xi, Yi)

-10th Row
(Xi, Yi)

Coordinates of 3-D Systematic Random Sampling Points

Note: Sampling points that are not within the area of contamination should be dis

0th Row		
Xi,	Yi	Zi

1st Row		
Xi,	Yi	Zi

-1st Row			
	Xi,	Yi	Zi
SS-1	3.9	49.7	0.0
SS-2	20.9	54.7	0.0
SS-3	30.3	55.0	0.0
	42.2	47.1	0.0
SS-4	63.8	51.6	0.0
	80.0	43.9	0.0
	85.9	42.5	0.0
	109.6	50.6	0.0
	115.6	47.4	0.0
SS-5	146.6	49.6	0.0

carded. You will need to generate another group of data sets if the number of val

2nd Row		
Xi,	Yi	Zi

3rd Row		
Xi,	Yi	Zi

-2nd Row			
	Xi,	Yi	Zi
SS-6	4.2	29.7	0.0
	18.2	39.7	0.0
	26.7	30.6	0.0
	49.2	29.8	0.0
	65.2	35.3	0.0
	87.9	29.4	0.0
	103.2	34.1	0.0
	122.9	40.1	0.0
	138.1	37.2	0.0
	SS-7 142.0	34.1	0.0

-3rd Row			
	Xi,	Yi	Zi
	12.5	22.3	0.0
	22.9	25.5	0.0
	47.9	18.1	0.0
	70.0	24.5	0.0
	81.7	24.6	0.0
	92.7	19.1	0.0
	108.0	24.9	0.0
SS-8	130.0	17.2	0.0
SS-9	140.4	17.4	0.0

lid data sets in a group is less than the minimum number of samples otherwise req

4th Row		
Xi,	Yi	Zi

5th Row		
X_i	Y_i	Z_i

-4th Row			
	Xi,	Yi	Zi
	2.6	4.9	0.0
SS-10	19.2	0.9	0.0
	37.9	7.7	0.0
	54.3	12.7	0.0
SS-11	68.6	13.8	0.0
SS-12	86.0	13.5	0.0
	98.2	0.9	0.0
	115.8	0.9	0.0
	124.1	4.6	0.0
	146.0	1.6	0.0

-5th Row		
Xi,	Yi	Zi

uired.

6th Row		
Xi,	Yi	Zi

7th Row		
Xi,	Yi	Zi

-6th Row		
Xi,	Yi	Zi

-7th Row		
Xi,	Yi	Zi

8th Row		
Xi,	Yi	Zi

9th Row		
Xi,	Yi	Zi

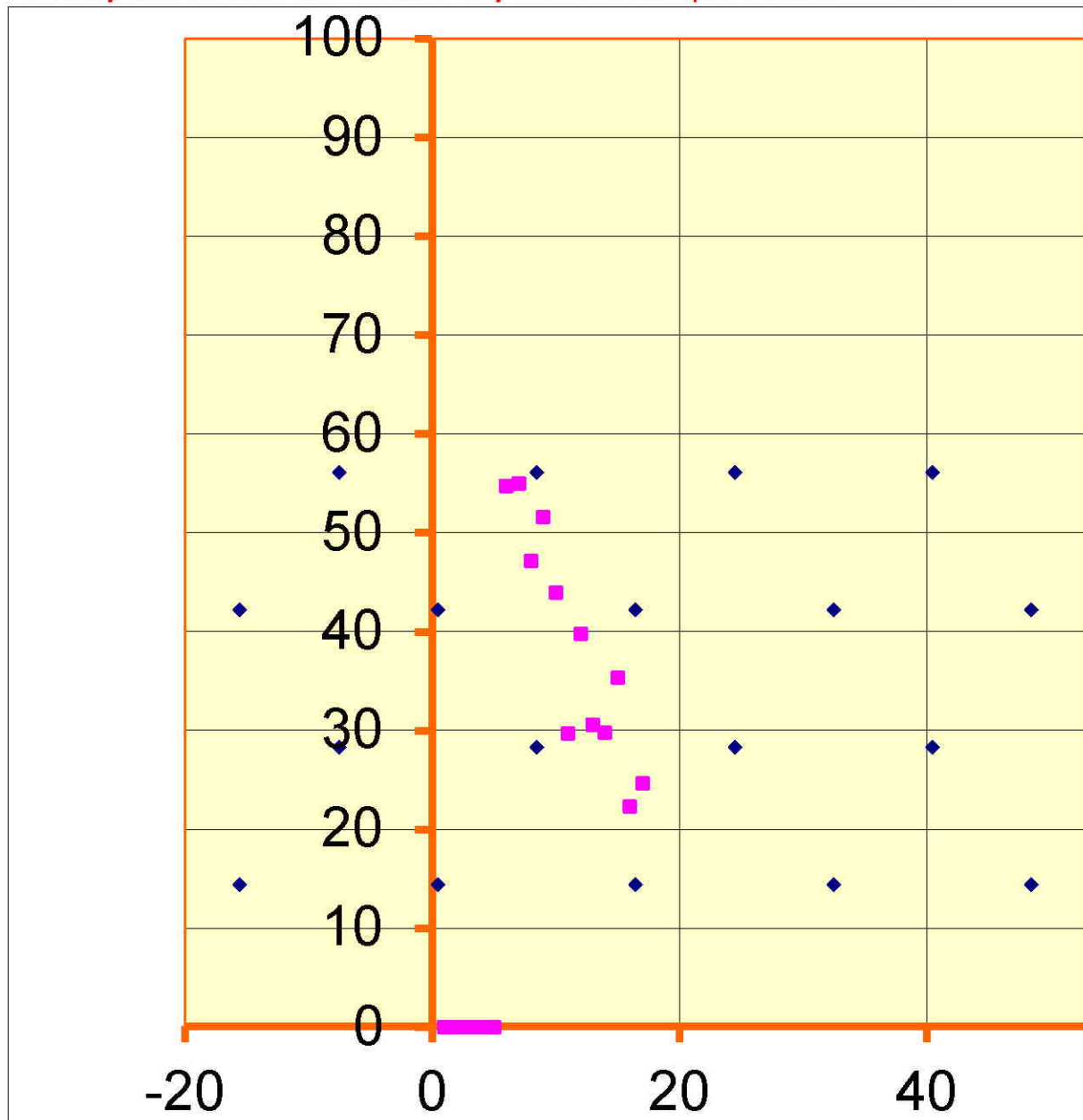
-8th Row		
Xi,	Yi	Zi

-9th Row		
Xi,	Yi	Zi

10th Row		
Xi,	Yi	Zi

-10th Row		
Xi,	Yi	Zi

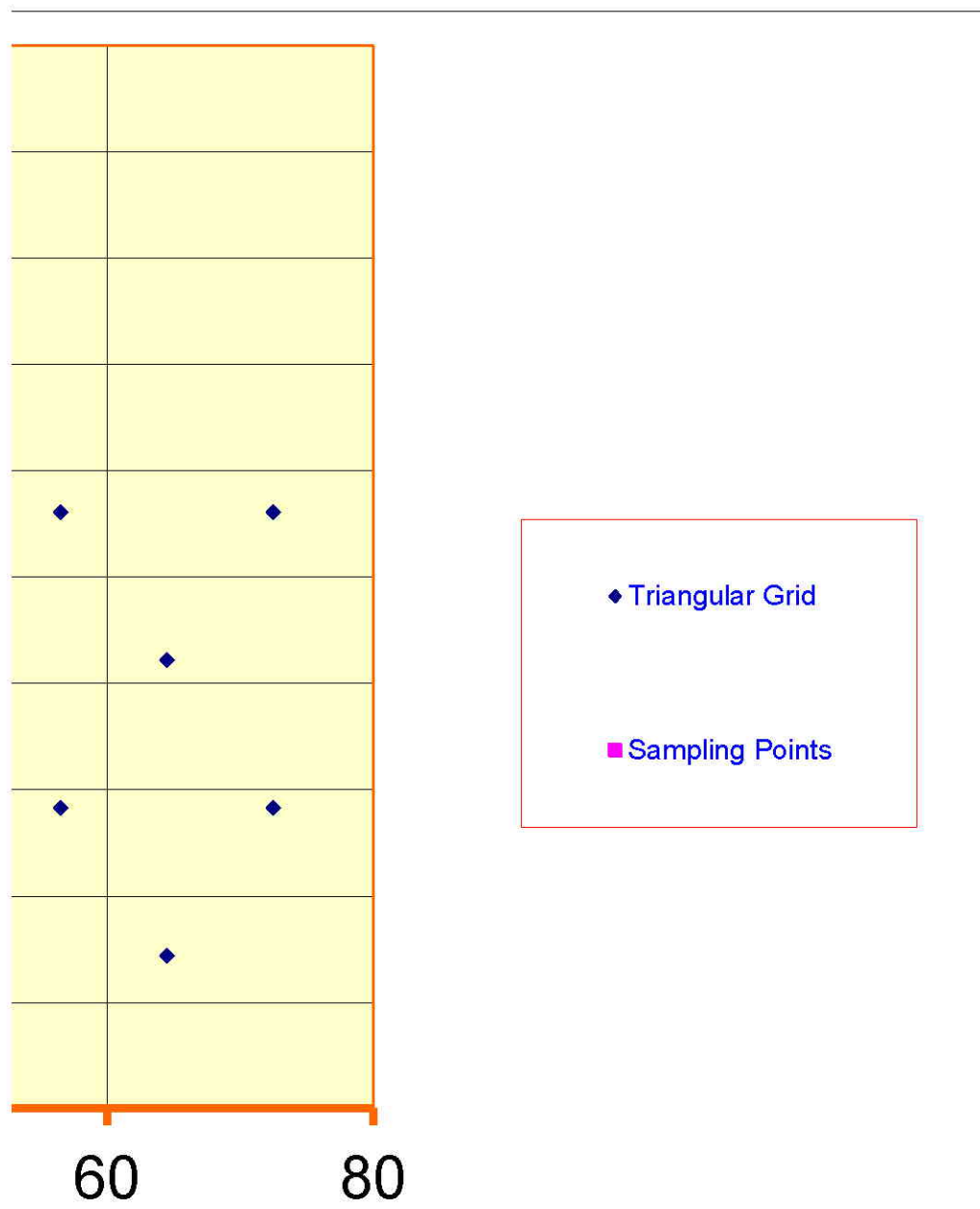
Note: The 'Source Data' may need to be adjusted manually in order to allow the triang
Move the mouse pointer to the center of the plot area and then right-click the mouse.
Select 'Series' tab. Click collapse dialog buttons at the right end of X Values and Y Va
You may need to hold the "Control" key to select multiple columns of data.



ular grid pattern and sampling points to appear.

Select 'Source Data' from the menu.

Values boxes to adjust for the appropriate ranges of source data.



Triangular Grid Node Coordinates

	Xi (Even Row)	Xi (Odd Row)	Yi
-10			
-9			
-8			
-7			
-6		-15.5	
-5	-7.5	0.5	-13.4
-4	8.5	16.5	0.5
-3	24.5	32.5	14.4
-2	40.5	48.5	28.3
-1	56.5	64.5	42.2
0	72.5	80.5	56.1
1	88.5	96.5	
2	104.5	112.5	
3	120.5	128.5	
4	136.5	144.5	
5			
6			
7			
8			
9			
10			

Systematic Random Sampling Workbook

Pennsylvania Department of Environmental Protection
Land Recycling Program
Version Date : January 26, 2000

Please forward comments or suggestions to Samuel Fang at fang.samuel@dep.state.pa.us.

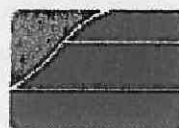
APPENDIX AA

Contaminated Soil T&D

PADEP Incident #50143

Lycoming County Landfill
PO Box 187
Montgomery, PA 177520187
(800)326-9571 (670)547-1870

Monday thru Friday 7:00 AM - 4:30 PM
Saturday 7:00 AM - 12:00 PM
ALL LOADS MUST BE TARPED www.lcrms.com



**LYCOMING COUNTY
RESOURCE MANAGEMENT SERVICES**

Truck: 2690

License: AG04514

Ticket: 1856737

Date: 2/17/2017

Time: 14:17:55 - 14:33:42

Trailer: 85520

Customer: 17275/NORTHRIDGE GROUP INC

PO BOX 231 NORTHBURLAND, PA 17857

Carrier: 17275/NORTHRIDGE GROUP

Truck Type: ROLLOFF VEHICLE STAN

20170217141755-1 Gross: 45160 LBS Scale
20170217143342-2 Tare: 36280 LBS Scale
Net: 8880 LBS
Tons: 4.44 TNS

Comment: Rich Oil Co., Inc.

100

Materials & Services	Grid	Origin	PCT	Quantity	Rate	Tracking Doc
2238/VIRGIN PETROLEUM CC	C12770	58	100	4.44	23.75	329299

I certify that the information on this ticket is correct and that the waste
I delivered to this facility does not contain any hazardous or
radioactive wastes or substances.

Act 101 Fees: \$32.19
Total Amount: \$137.64

Disposal/Services	:	\$105.45
RECYCLING FEE	: @ \$2.00 per Ton	\$8.88
ENVIRONMENTAL STWD	: @ \$0.25 per Ton	\$1.11
GROWING GREENER	: @ \$4.00 per Ton	\$17.76
Host County Fee	: @ \$1.00 per Ton	\$4.44

PADEP ID's:

Carrier: WH15913

Tire:

Truck: 1NPAL00X27D6

Trailer:

Trans: 2397427

Driver:

Feb 2017 02/17/17 14:33:25

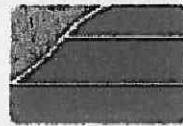
Charge

In Operator: H. SNYDER 82229

Out Operator: H. SNYDER 82229

Lycoming County Landfill
PO Box 187
Montgomery, PA 177520187
(800)326-9571 (570)547-1870

Monday thru Friday 7:00 AM - 4:30 PM
Saturday 7:00 AM - 12:00 PM
ALL LOADS MUST BE TARPED www.lcrms.com



LYCOMING COUNTY
RESOURCE MANAGEMENT SERVICES

Truck:2691

License: AG04515

Ticket: 1856747

Date: 2/17/2017

Time: 14:30:09 - 15:03:34

Trailer:86008

Customer: 17275/NORTHRIDGE GROUP INC

PO BOX 231 NORTHUMBERLAND, PA 17857

Carrier: 17275/NORTHRIDGE GROUP

Truck Type: ROLLOFF VEHICLE STAN

20170217143009-1 Gross: 67720 LBS Scale
20170217150334-2 Tare: 35460 LBS Scale
Net: 32260 LBS
Tons: 16.13 TNS

Comment: Rich Oil Co., Inc.

100

Materials & Services	Grid	Origin	PCT	Quantity	Rate	Tracking Doc
2238/VIRGIN PETROLEUM CC	C12770	58	100	16.13	23.75	329296

I certify that the information on this ticket is correct and that the waste
I delivered to this facility does not contain any hazardous or
radioactive wastes or substances.

Act 101 Fees: \$116.94
Total Amount: \$500.03

Disposal/Services	:	\$383.09
RECYCLING FEE	: @ \$2.00 per Ton	\$32.26
ENVIRONMENTAL STWD	: @ \$0.25 per Ton	\$4.03
GROWING GREENER	: @ \$4.00 per Ton	\$64.52
Host County Fee	: @ \$1.00 per Ton	\$16.13

PADEP ID's:

Carrier: WH15913

Tire:

Truck: 1NPAL00X87N6

Trailer:

Trans: 2397441

Driver:

Feb 2017 02/17/17 15:03:34

Charge

In Operator: H. SNYDER 82229

Out Operator: H. SNYDER 82229

Lycoming County Landfill
PO Box 187
Montgomery, PA 177520187
(800)326-9571 (570)547-1870

Monday thru Friday 7:00 AM - 4:30 PM
Saturday 7:00 AM - 12:00 PM
ALL LOADS MUST BE TARPED www.lcrms.com



**LYCOMING COUNTY
RESOURCE MANAGEMENT SERVICES**

Truck:2690

License: AG04514

Trailer:RED

Ticket: 1858758

Date: 2/17/2017

Time: 15:48:50 - 16:05:22

Customer: 17276/NORTHRIDGE GROUP INC

PO BOX 231 NORTHUMBERLAND, PA 17857

Carrier: 17275/NORTHRIDGE GROUP

Truck Type: ROLLOFF VEHICLE STAN

20170217154850-1 Gross: 50040 LBS Scale
20170217160622-2 Tare: 39060 LBS Scale
Net: 10980 LBS
Tons: 5.49 TNS

Comment: Rich Oil Co., Inc.

100

Materials & Services	Grid	Origin	PCT	Quantity	Rate	Tracking Doc
2238/VIRGIN PETROLEUM CC	C12770	58	100	5.49	23.75	329297

I certify that the information on this ticket is correct and that the waste
I delivered to this facility does not contain any hazardous or
radioactive wastes or substances.

Act 101 Fees: \$39.80
Total Amount: \$170.19

Disposal/Services	:	\$130.39
RECYCLING FEE	: @ \$2.00 per Ton	\$10.98
ENVIRONMENTAL STWD	: @ \$0.25 per Ton	\$1.37
GROWING GREENER	: @ \$4.00 per Ton	\$21.96
Host County Fee	: @ \$1.00 per Ton	\$5.49

PADEP ID's:

Carrier: WH15913

Tire:

Truck: 1NPAL00X27D6

Trailer:

rans: 2397464

Driver:

Fri Feb 2017 02/17/17 16:05:07

Charge

In Operator: H. SNYDER 82229

Out Operator: H. SNYDER 82229

APPENDIX BB

Field Notes

HVE Event at OW-4

11/22/17

**Pump-n-Pantry #001 Property
High Vapor Extraction Activities - OW-4
September 13, 2017**

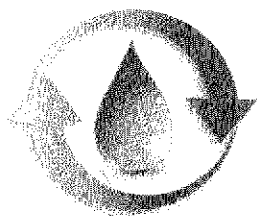
Time	Truck Vacuum (Hg")	OW-4 Vacuum (Hg")	OW-3 Vacuum (Hg")	MW-10 Vacuum (Hg")	MW-11 Vacuum (Hg")	MW-12 Vacuum (Hg")	MW-13 Vacuum (Hg")	MW-14 Vacuum (Hg")	Vacuum Truck Effluent PID (ppm)	Comment
Background Depth To Water (TOC)	--	3.97	4.41	5.97	4.04	5.95	3.26	4.79	--	
0800	--	0.00	0.00	0.00	0.00	-0.01	0.00	0.00	--	Background Data
0820	8.00	--	--	--	--	--	--	--	37.0	Start Vac
0830	8.00	0.91	0.00	0.00	0.00	0.00	0.00	0.00	531.0	
0900	8.00	0.96	0.00	0.00	0.00	0.00	0.00	0.00	482.0	
1000	8.00	0.89	0.01	0.00	0.00	0.00	0.00	0.00	385.0	
1100	8.00	0.99	0.01	0.00	0.00	0.00	0.00	0.00	355.0	
1200	8.00	0.88	0.01	0.00	0.00	0.00	0.00	0.00	319.0	
1300	7.00	0.78	0.01	0.00	0.00	0.00	0.00	0.00	237.0	
1400	7.00	0.82	0.00	0.00	0.00	0.00	0.00	0.00	177.0	
1500	7.00	0.72	0.01	0.00	0.00	0.00	0.00	0.00	146.0	Truck Full - Vac Off
1520	--	-0.08	0.00	0.00	0.00	0.00	0.00	0.00	--	Post Event Data
Post Event Depth To Water (TOC)	--	4.42	4.89	6.05	4.21	5.97	3.28	4.77	--	

Notes: 1.) Positive values indicate vacuum. Negative values indicate pressure.
2.) Time rounded to the nearest 10 minute interval for correlation purposes.

APPENDIX CC

Waste Disposal Documentation

HVE Event at OW-4



ADVANCED OIL RECOVERY

oilrecovery@yahoo.com

Toll Free: 877-OLD-OILS (877-653-6457)

Manifest No.: 11932

NON-HAZARDOUS WASTE
SHIPMENT MANIFEST

US EPA ID NO.: PAR000528018

PO Box 864
Milford, PA 18337
Office: (570) 409-6631

PUMP-N-PANTRY #001

Date: 9-13-17

<u>GENERATOR INFORMATION</u>	
Generator Name: <u>P.A. TECTONICS (LABSIA)</u>	Phone Number:
Address: <u>722 GROW AVE</u>	Fax Number:
City, State, Zip: <u>MONTROSE PA 18801</u>	Email:
Contact Name:	Job location (if applicable)

DESCRIPTION	QUANTITY	UNIT TYPE	UNIT PRICE	TOTAL
Used Oil				
Used Anti-Freeze				
Waste Water	1622	gal		
Sludge				
Truck Charge				
Oil Filter Disposal				
Tank Abandonment/Removal				
Commercial/Residential Pump-Out				
Soil Sample				

Compartment: ☐ 1 ☐ 2 ☐ 3 ☐ 4	Special instructions:
TOTAL: \$	

GENERATOR CERTIFICATION

Generator certifies and affirms that all information listed in this document is true and correct to the best of his/her knowledge. Generator also affirms and warrants that any and all material provided to Advanced Oil Recovery, LLC has not been combined, mixed or otherwise blended and/or derived from a listed hazardous waste nor has it been blended, mixed, derived from nor combined in any quantity with materials containing Polychlorinated Biphenyls (PCBs) or any other material defined as hazardous waste, pursuant to applicable laws, including but not limited to 40CFR Part 261. Generator hereby agrees to indemnify and hold Advanced Oil Recovery, LLC harmless for any and all, but not limited to damages, fees and/or costs arising out of or in any way related to false certification of the above warranty, as affirmed by Generator.

Generator's Signature

Date

Generator's printed name

AMOUNT PAID BY:

☐ Cash ☐ Check

Check No.: _____

Payment received by: _____

Check to be mailed from AOR?

☐ Yes ☐ No

VEHICLE No. <u>006</u>	DRIVER'S NAME: <u>JIM</u>
	DRIVER'S SIGNATURE: _____

WE SINCERELY APPRECIATE YOUR CONTINUED BUSINESS!