



**Groundwater
& Environmental Services, Inc.**

1350 Blair Drive • Suite A • Odenton, Maryland 21113 • (800) 220-3606 • FAX (410) 721-3733

December 19, 2014

Helene Davis
3914 Madonna Rd
Jarrettsville, MD 21084

Re: Water Filtration System Sampling Information
3914 Madonna Rd, Jarrettsville, MD 21084

Dear Ms. Davis:

Groundwater & Environmental Services, Inc. (GES), on behalf of High's of Baltimore, would like to thank you for your cooperation in allowing us to conduct sampling of your water filtration system on November 25, 2014. The sampling was conducted to evaluate the effectiveness of the granular activated carbon (GAC) filtration system that was installed to treat the water coming into your home.

To help better understand the results, the following information is supplied:

- **Pre-carbon filtration** – water sample of the first, untreated water coming directly into your home; referred to as influent and denoted as “INF” on the laboratory report.
- **Mid-carbon filtration** – water sample collected between the carbon vessels, on the two-train carbon system that was installed; referred to as mid-fluent and denoted as “MID” on the laboratory report.
- **Post-carbon filtration** – water sample of the finished treated water; referred to as effluent and denoted as “EFF” on the laboratory report.

Water samples were collected pre-, mid- and post-carbon filtration and were tested in accordance to USEPA standards for the presence of several petroleum related compounds, including methyl tertiary butyl ether (MTBE). The results from the most recent sampling event demonstrate a detection of MTBE in the influent water of your GAC system at a concentration of 42.2 micrograms per liter ($\mu\text{g/L}$). For reference, the Maryland Department of the Environment (MDE) action level for MTBE is 20 $\mu\text{g/L}$. There were no petroleum-related compounds, including MTBE, detected in the mid-fluent or effluent water sample from the November 2014 sampling event. A copy of the laboratory analysis report is attached to this correspondence.

The tests conducted on your drinking water well are part of an ongoing groundwater investigation being conducted in cooperation with the MDE and the Harford County Health Department (HCHD). Therefore we would like to continue sampling the water from your drinking water well on a periodic basis while the groundwater investigation is being conducted. We will notify you in advance of the next scheduled sampling event.

If you have any questions concerning this sampling event, please feel free to contact me at 800-220-3606, Ext. 3717. You may also contact Ms. Jeannette DeBartolomeo of the MDE at 410-537-3427.

Sincerely,
GROUNDWATER & ENVIRONMENTAL SERVICES, INC.

Gregory Reichart
Project Manager

Attachment



c: Jeannette DeBartolomeo, MDE (3 copies & CD)
Peter Smith, HCHD
Herb Meade, CIFC (electronic copy)
Todd Passmore, Apex
GES PSID# 474625



2019 Ninth Avenue
 PO Box 1925
 Altoona, PA 16603
 (814) 946-4306
 NELAP: PA 07-062, VA 460212

89 Kristi Road
 Pennsdale, PA 17756
 (570) 494-6380
 PaDEP: PA 41-04684



www.fairwaylaboratories.com

State Certifications: MD 275, WV 364

GES Maryland
 1350 Blair Drive, Suite A
 Odenton MD, 21113
 Project Manager: Greg Reichart

Project: Carroll Fuel Madonna
 Project Number: [none] **Reported:**
 Collector: JP 12/10/14 16:04
 Number of Containers: 14

Client Sample ID: 3914-MADONNA-EFF-20141125

Date/Time Sampled: 11/25/14 09:40

Laboratory Sample ID: 4L01026-04 (Water/Grab)

Analyte	Result	MDL	RL	Units	Date / Time Analyzed	Method	* Analyst	Note
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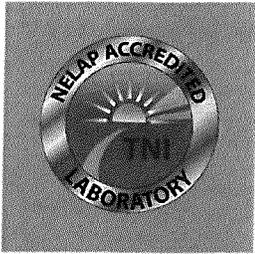
Purgeable Organic Compounds by EPA Method 524.2

Ethyl tert-butyl ether	<0.500	0.500		ug/l	12/03/14 08:03	EPA 524.2/4.1	wlm	U
Tert-amyl methyl ether	<0.500	0.500		ug/l	12/03/14 08:03	EPA 524.2/4.1	wlm	U
tert- amyl alcohol	<2.50	2.50		ug/l	12/03/14 08:03	EPA 524.2/4.1	wlm	U
tert- amyl ethyl ether	<0.500	0.500		ug/l	12/03/14 08:03	EPA 524.2/4.1	wlm	U
Tert-butyl alcohol	<2.50	2.50		ug/l	12/03/14 08:03	EPA 524.2/4.1	wlm	U
Diisopropylether (DIPE)	<0.500	0.500		ug/l	12/03/14 08:03	EPA 524.2/4.1	wlm	U
Benzene	<0.500	0.500		ug/l	12/03/14 08:03	EPA 524.2/4.1	wlm	U
Carbon tetrachloride	<0.500	0.500		ug/l	12/03/14 08:03	EPA 524.2/4.1	wlm	U
Chlorobenzene	<0.500	0.500		ug/l	12/03/14 08:03	EPA 524.2/4.1	wlm	U
Naphthalene	<0.500	0.500		ug/l	12/03/14 08:03	EPA 524.2/4.1	wlm	U
1,2-Dichlorobenzene	<0.500	0.500		ug/l	12/03/14 08:03	EPA 524.2/4.1	wlm	U
1,3-Dichlorobenzene	<0.500	0.500		ug/l	12/03/14 08:03	EPA 524.2/4.1	wlm	U
1,2-Dichloroethane	<0.500	0.500		ug/l	12/03/14 08:03	EPA 524.2/4.1	wlm	U
1,1-Dichloroethene	<0.500	0.500		ug/l	12/03/14 08:03	EPA 524.2/4.1	wlm	U
cis-1,2-Dichloroethene	<0.500	0.500		ug/l	12/03/14 08:03	EPA 524.2/4.1	wlm	U
trans-1,2-Dichloroethene	<0.500	0.500		ug/l	12/03/14 08:03	EPA 524.2/4.1	wlm	U
1,2-Dichloropropane	<0.500	0.500		ug/l	12/03/14 08:03	EPA 524.2/4.1	wlm	U
Ethylbenzene	<0.500	0.500		ug/l	12/03/14 08:03	EPA 524.2/4.1	wlm	U

Fairway Laboratories, Inc.

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Project: Carroll Fuel Madonna
 Project Number: [none] **Reported:**
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 Number of Containers: 14

Client Sample ID: 3914-MADONNA-EFF-20141125

Date/Time Sampled: 11/25/14 09:40

Laboratory Sample ID: 4L01026-04 (Water/Grab)

Analyte	Result	MDL	RL	Units	Date / Time Analyzed	Method	* Analyst	Note
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Purgeable Organic Compounds by EPA Method 524.2

Methylene chloride	<0.500		0.500	ug/l	12/03/14 08:03	EPA 524.2/4.1	wlm	U
Methyl tert-butyl ether	<0.500		0.500	ug/l	12/03/14 08:03	EPA 524.2/4.1	wlm	U
Styrene	<0.500		0.500	ug/l	12/03/14 08:03	EPA 524.2/4.1	wlm	U
Tetrachloroethene	<0.500		0.500	ug/l	12/03/14 08:03	EPA 524.2/4.1	wlm	U
Toluene	<0.500		0.500	ug/l	12/03/14 08:03	EPA 524.2/4.1	wlm	U
1,2,4-Trichlorobenzene	<0.500		0.500	ug/l	12/03/14 08:03	EPA 524.2/4.1	wlm	U
1,1,2-Trichloroethane	<0.500		0.500	ug/l	12/03/14 08:03	EPA 524.2/4.1	wlm	U
1,1,1-Trichloroethane	<0.500		0.500	ug/l	12/03/14 08:03	EPA 524.2/4.1	wlm	U
Trichloroethene	<0.500		0.500	ug/l	12/03/14 08:03	EPA 524.2/4.1	wlm	U
Vinyl chloride	<0.500		0.500	ug/l	12/03/14 08:03	EPA 524.2/4.1	wlm	U
Xylenes (total)	<1.00		1.00	ug/l	12/03/14 08:03	EPA 524.2/4.1	wlm	U
Surrogate: 4-Bromofluorobenzene	69.7 %		70-130		12/03/14 08:03	EPA 524.2/4.1	wlm	2n
Surrogate: 1,2-Dichlorobenzene-d4	86.5 %		70-130		12/03/14 08:03	EPA 524.2/4.1	wlm	

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GES Maryland
 1350 Blair Drive, Suite A
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 Project Manager: Greg Reichart

Project: Carroll Fuel Madonna
 Project Number: [none] **Reported:**
 Collector: JP 12/10/14 16:04
 Number of Containers: 14

Client Sample ID: 3914-MADONNA-MID-20141125

Date/Time Sampled: 11/25/14 09:43

Laboratory Sample ID: 4L01026-05 (Water/Grab)

Analyte	Result	MDL	RL	Units	Date / Time Analyzed	Method	* Analyst	Note
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Purgeable Organic Compounds by EPA Method 524.2

Ethyl tert-butyl ether	<0.500	0.500		ug/l	12/03/14 08:31	EPA 524.2/4.1	wlm	U
Tert-amyl methyl ether	<0.500	0.500		ug/l	12/03/14 08:31	EPA 524.2/4.1	wlm	U
tert- amyl alcohol	<2.50	2.50		ug/l	12/03/14 08:31	EPA 524.2/4.1	wlm	U
tert- amyl ethyl ether	<0.500	0.500		ug/l	12/03/14 08:31	EPA 524.2/4.1	wlm	U
Tert-butyl alcohol	<2.50	2.50		ug/l	12/03/14 08:31	EPA 524.2/4.1	wlm	U
Diisopropylether (DIPE)	<0.500	0.500		ug/l	12/03/14 08:31	EPA 524.2/4.1	wlm	U
Benzene	<0.500	0.500		ug/l	12/03/14 08:31	EPA 524.2/4.1	wlm	U
Carbon tetrachloride	<0.500	0.500		ug/l	12/03/14 08:31	EPA 524.2/4.1	wlm	U
Chlorobenzene	<0.500	0.500		ug/l	12/03/14 08:31	EPA 524.2/4.1	wlm	U
Naphthalene	<0.500	0.500		ug/l	12/03/14 08:31	EPA 524.2/4.1	wlm	U
1,2-Dichlorobenzene	<0.500	0.500		ug/l	12/03/14 08:31	EPA 524.2/4.1	wlm	U
1,3-Dichlorobenzene	<0.500	0.500		ug/l	12/03/14 08:31	EPA 524.2/4.1	wlm	U
1,2-Dichloroethane	<0.500	0.500		ug/l	12/03/14 08:31	EPA 524.2/4.1	wlm	U
1,1-Dichloroethene	<0.500	0.500		ug/l	12/03/14 08:31	EPA 524.2/4.1	wlm	U
cis-1,2-Dichloroethene	<0.500	0.500		ug/l	12/03/14 08:31	EPA 524.2/4.1	wlm	U
trans-1,2-Dichloroethene	<0.500	0.500		ug/l	12/03/14 08:31	EPA 524.2/4.1	wlm	U
1,2-Dichloropropane	<0.500	0.500		ug/l	12/03/14 08:31	EPA 524.2/4.1	wlm	U
Ethylbenzene	<0.500	0.500		ug/l	12/03/14 08:31	EPA 524.2/4.1	wlm	U

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Analyte	Result	MDL	RL	Units	Date / Time Analyzed	Method	* Analyst	Note
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Purgeable Organic Compounds by EPA Method 524.2

Methylene chloride	<0.500		0.500	ug/l	12/03/14 08:31	EPA 524.2/4.1	wlm	U
Methyl tert-butyl ether	<0.500		0.500	ug/l	12/03/14 08:31	EPA 524.2/4.1	wlm	U
Styrene	<0.500		0.500	ug/l	12/03/14 08:31	EPA 524.2/4.1	wlm	U
Tetrachloroethene	<0.500		0.500	ug/l	12/03/14 08:31	EPA 524.2/4.1	wlm	U
Toluene	<0.500		0.500	ug/l	12/03/14 08:31	EPA 524.2/4.1	wlm	U
1,2,4-Trichlorobenzene	<0.500		0.500	ug/l	12/03/14 08:31	EPA 524.2/4.1	wlm	U
1,1,2-Trichloroethane	<0.500		0.500	ug/l	12/03/14 08:31	EPA 524.2/4.1	wlm	U
1,1,1-Trichloroethane	<0.500		0.500	ug/l	12/03/14 08:31	EPA 524.2/4.1	wlm	U
Trichloroethene	<0.500		0.500	ug/l	12/03/14 08:31	EPA 524.2/4.1	wlm	U
Vinyl chloride	<0.500		0.500	ug/l	12/03/14 08:31	EPA 524.2/4.1	wlm	U
Xylenes (total)	<1.00		1.00	ug/l	12/03/14 08:31	EPA 524.2/4.1	wlm	U
Surrogate: 4-Bromofluorobenzene		70.9 %		70-130	12/03/14 08:31	EPA 524.2/4.1	wlm	
Surrogate: 1,2-Dichlorobenzene-d4		93.6 %		70-130	12/03/14 08:31	EPA 524.2/4.1	wlm	

Fairway Laboratories, Inc.

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GES Maryland
 1350 Blair Drive, Suite A
 Odenton MD, 21113
 Project Manager: Greg Reichart

Project: Carroll Fuel Madonna
 Project Number: [none]
 Collector: JP
 Number of Containers: 14

Reported:
 12/10/14 16:04

Client Sample ID: 3914-MADONNA-INF-20141125

Date/Time Sampled: 11/25/14 09:46

Laboratory Sample ID: 4L01026-06 (Water/Grab)

Analyte	Result	MDL	RL	Units	Date / Time Analyzed	Method	* Analyst	Note
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Purgeable Organic Compounds by EPA Method 524.2

Ethyl tert-butyl ether	<0.500	0.500		ug/l	12/03/14 08:59	EPA 524.2/4.1	wlm	U
Tert-amyl methyl ether	<0.500	0.500		ug/l	12/03/14 08:59	EPA 524.2/4.1	wlm	U
tert- amyl alcohol	<2.50	2.50		ug/l	12/03/14 08:59	EPA 524.2/4.1	wlm	U
tert- amyl ethyl ether	<0.500	0.500		ug/l	12/03/14 08:59	EPA 524.2/4.1	wlm	U
Tert-butyl alcohol	<2.50	2.50		ug/l	12/03/14 08:59	EPA 524.2/4.1	wlm	U
Diisopropylether (DIPE)	<0.500	0.500		ug/l	12/03/14 08:59	EPA 524.2/4.1	wlm	U
Benzene	<0.500	0.500		ug/l	12/03/14 08:59	EPA 524.2/4.1	wlm	U
Carbon tetrachloride	<0.500	0.500		ug/l	12/03/14 08:59	EPA 524.2/4.1	wlm	U
Chlorobenzene	<0.500	0.500		ug/l	12/03/14 08:59	EPA 524.2/4.1	wlm	U
Naphthalene	<0.500	0.500		ug/l	12/03/14 08:59	EPA 524.2/4.1	wlm	U
1,2-Dichlorobenzene	<0.500	0.500		ug/l	12/03/14 08:59	EPA 524.2/4.1	wlm	U
1,3-Dichlorobenzene	<0.500	0.500		ug/l	12/03/14 08:59	EPA 524.2/4.1	wlm	U
1,2-Dichloroethane	<0.500	0.500		ug/l	12/03/14 08:59	EPA 524.2/4.1	wlm	U
1,1-Dichloroethene	<0.500	0.500		ug/l	12/03/14 08:59	EPA 524.2/4.1	wlm	U
cis-1,2-Dichloroethene	<0.500	0.500		ug/l	12/03/14 08:59	EPA 524.2/4.1	wlm	U
trans-1,2-Dichloroethene	<0.500	0.500		ug/l	12/03/14 08:59	EPA 524.2/4.1	wlm	U
1,2-Dichloropropane	<0.500	0.500		ug/l	12/03/14 08:59	EPA 524.2/4.1	wlm	U
Ethylbenzene	<0.500	0.500		ug/l	12/03/14 08:59	EPA 524.2/4.1	wlm	U

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Project: Carroll Fuel Madonna
 Project Number: [none] **Reported:**
 Collector: JP 12/10/14 16:04
 Number of Containers: 14

Client Sample ID: 3914-MADONNA-INF-20141125

Date/Time Sampled: 11/25/14 09:46

Laboratory Sample ID: 4L01026-06 (Water/Grab)

Analyte	Result	MDL	RL	Units	Date / Time Analyzed	Method	* Analyst	Note
---------	--------	-----	----	-------	----------------------	--------	-----------	------

Purgeable Organic Compounds by EPA Method 524.2

Methylene chloride	<0.500		0.500	ug/l	12/03/14 08:59	EPA 524.2/4.1	wlm	U
Methyl tert-butyl ether	42.2		0.500	ug/l	12/03/14 08:59	EPA 524.2/4.1	wlm	
Styrene	<0.500		0.500	ug/l	12/03/14 08:59	EPA 524.2/4.1	wlm	U
Tetrachloroethene	<0.500		0.500	ug/l	12/03/14 08:59	EPA 524.2/4.1	wlm	U
Toluene	<0.500		0.500	ug/l	12/03/14 08:59	EPA 524.2/4.1	wlm	U
1,2,4-Trichlorobenzene	<0.500		0.500	ug/l	12/03/14 08:59	EPA 524.2/4.1	wlm	U
1,1,2-Trichloroethane	<0.500		0.500	ug/l	12/03/14 08:59	EPA 524.2/4.1	wlm	U
1,1,1-Trichloroethane	<0.500		0.500	ug/l	12/03/14 08:59	EPA 524.2/4.1	wlm	U
Trichloroethene	<0.500		0.500	ug/l	12/03/14 08:59	EPA 524.2/4.1	wlm	U
Vinyl chloride	<0.500		0.500	ug/l	12/03/14 08:59	EPA 524.2/4.1	wlm	U
Xylenes (total)	<1.00		1.00	ug/l	12/03/14 08:59	EPA 524.2/4.1	wlm	U
Surrogate: 4-Bromofluorobenzene		72.2 %			12/03/14 08:59	EPA 524.2/4.1	wlm	
Surrogate: 1,2-Dichlorobenzene-d4		93.5 %			12/03/14 08:59	EPA 524.2/4.1	wlm	

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 Project Manager: Greg Reichart

Project: Carroll Fuel Madonna
 Project Number: [none]
 Collector: JP
 Number of Containers: 14

Reported:
 12/10/14 16:04

Notes

- 2n The surrogate value is not within the indicated range, results are considered to be estimated.
- U Analyte included in the analysis, but not detected

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.

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.

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.

Samples collected by Fairway Laboratories' personnel are done so in accordance with Standard Operating Procedures established by Fairway Laboratories.

* 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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December 19, 2014

Robert Goldstein
3921 Greenpeak Rd
Jarrettsville, MD 21084

Re: Water Filtration System Sampling Information
3921 Greenpeak Rd, Jarrettsville, MD 21084

Dear Mr. Goldstein:

Groundwater & Environmental Services, Inc. (GES), on behalf of High's of Baltimore, would like to thank you for your cooperation in allowing us to conduct sampling of your water filtration system on November 25, 2014. The sampling was conducted to evaluate the effectiveness of the granular activated carbon (GAC) filtration system that was installed to treat the water coming into your home.

To help better understand the results, the following information is supplied:

- **Pre-carbon filtration** – water sample of the first, untreated water coming directly into your home; referred to as influent and denoted as “INF” on the laboratory report.
- **Mid-carbon filtration** – water sample collected between the carbon vessels, on the two-train carbon system that was installed; referred to as mid-fluent and denoted as “MID” on the laboratory report.
- **Post-carbon filtration** – water sample of the finished treated water; referred to as effluent and denoted as “EFF” on the laboratory report.

Water samples were collected pre-, mid- and post-carbon filtration and were tested in accordance to USEPA standards for the presence of several petroleum related compounds, including methyl tertiary butyl ether (MTBE). The results from the most recent sampling event demonstrate a detection of MTBE in the influent water of your GAC system at a concentration of 17.5 micrograms per liter ($\mu\text{g/L}$). For reference, the Maryland Department of the Environment (MDE) action level for MTBE is 20 $\mu\text{g/L}$. There were no petroleum-related compounds, including MTBE, detected in the mid-fluent or effluent water sample from the November 2014 sampling event. A copy of the laboratory analysis report is attached to this correspondence.

The tests conducted on your drinking water well are part of an ongoing groundwater investigation being conducted in cooperation with the MDE and the Harford County Health Department (HCHD). Therefore we would like to continue sampling the water from your drinking water well on a periodic basis while the groundwater investigation is being conducted. We will notify you in advance of the next scheduled sampling event.

If you have any questions concerning this sampling event, please feel free to contact me at 800-220-3606, Ext. 3717. You may also contact Ms. Jeannette DeBartolomeo of the MDE at 410-537-3427.

Sincerely,
GROUNDWATER & ENVIRONMENTAL SERVICES, INC.

Gregory Reichart
Project Manager

Attachment



c: Jeannette DeBartolomeo, MDE (3 copies & CD)
Peter Smith, HCHD
Herb Meade, CIFIC (electronic copy)
Todd Passmore, Apex
GES PSID# 474625



2019 Ninth Avenue
 PO Box 1925
 Altoona, PA 16603
 (814) 946-4306
 NELAP: PA 07-062, VA 460212

89 Kristi Road
 Pennsdale, PA 17756
 (570) 494-6380
 PaDEP: PA 41-04684



State Certifications: MD 275, WV 364

www.fairwaylaboratories.com

GES Maryland
 1350 Blair Drive, Suite A
 Odenton MD, 21113
 Project Manager: Greg Reichart

Project: Carroll Fuel Madonna
 Project Number: [none]
 Collector: JP
 Number of Containers: 14

Reported:
 12/10/14 16:04

Client Sample ID: 3921-GREENPEAK-EFF-20141125

Date/Time Sampled: 11/25/14 09:10

Laboratory Sample ID: 4L01026-01 (Water/Grab)

Analyte	Result	MDL	RL	Units	Date / Time Analyzed	Method	* Analyst	Note
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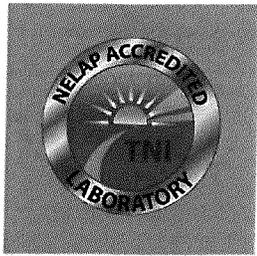
Purgeable Organic Compounds by EPA Method 524.2

Ethyl tert-butyl ether	<0.500		0.500	ug/l	12/03/14 09:55	EPA 524.2/4.1	wlm	U
Tert-amyl methyl ether	<0.500		0.500	ug/l	12/03/14 09:55	EPA 524.2/4.1	wlm	U
tert- amyl alcohol	<2.50		2.50	ug/l	12/03/14 09:55	EPA 524.2/4.1	wlm	U
tert- amyl ethyl ether	<0.500		0.500	ug/l	12/03/14 09:55	EPA 524.2/4.1	wlm	U
Tert-butyl alcohol	<2.50		2.50	ug/l	12/03/14 09:55	EPA 524.2/4.1	wlm	U
Diisopropylether (DIPE)	<0.500		0.500	ug/l	12/03/14 09:55	EPA 524.2/4.1	wlm	U
Benzene	<0.500		0.500	ug/l	12/03/14 09:55	EPA 524.2/4.1	wlm	U
Carbon tetrachloride	<0.500		0.500	ug/l	12/03/14 09:55	EPA 524.2/4.1	wlm	U
Chlorobenzene	<0.500		0.500	ug/l	12/03/14 09:55	EPA 524.2/4.1	wlm	U
Naphthalene	<0.500		0.500	ug/l	12/03/14 09:55	EPA 524.2/4.1	wlm	U
1,2-Dichlorobenzene	<0.500		0.500	ug/l	12/03/14 09:55	EPA 524.2/4.1	wlm	U
1,3-Dichlorobenzene	<0.500		0.500	ug/l	12/03/14 09:55	EPA 524.2/4.1	wlm	U
1,2-Dichloroethane	<0.500		0.500	ug/l	12/03/14 09:55	EPA 524.2/4.1	wlm	U
1,1-Dichloroethene	<0.500		0.500	ug/l	12/03/14 09:55	EPA 524.2/4.1	wlm	U
cis-1,2-Dichloroethene	<0.500		0.500	ug/l	12/03/14 09:55	EPA 524.2/4.1	wlm	U
trans-1,2-Dichloroethene	<0.500		0.500	ug/l	12/03/14 09:55	EPA 524.2/4.1	wlm	U
1,2-Dichloropropane	<0.500		0.500	ug/l	12/03/14 09:55	EPA 524.2/4.1	wlm	U
Ethylbenzene	<0.500		0.500	ug/l	12/03/14 09:55	EPA 524.2/4.1	wlm	U

Fairway Laboratories, Inc.

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 PaDEP: PA 41-04684



State Certifications: MD 275, WV 364

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GES Maryland
 1350 Blair Drive, Suite A
 Odenton MD, 21113
 Project Manager: Greg Reichart

Project: Carroll Fuel Madonna
 Project Number: [none]
 Collector: JP
 Number of Containers: 14

Reported:
 12/10/14 16:04

Client Sample ID: 3921-GREENPEAK-EFF-20141125

Date/Time Sampled: 11/25/14 09:10

Laboratory Sample ID: 4L01026-01 (Water/Grab)

Analyte	Result	MDL	RL	Units	Date / Time Analyzed	Method	* Analyst	Note
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Purgeable Organic Compounds by EPA Method 524.2

Methylene chloride	<0.500		0.500	ug/l	12/03/14 09:55	EPA 524.2/4.1	wlm	U
Methyl tert-butyl ether	<0.500		0.500	ug/l	12/03/14 09:55	EPA 524.2/4.1	wlm	U
Styrene	<0.500		0.500	ug/l	12/03/14 09:55	EPA 524.2/4.1	wlm	U
Tetrachloroethene	<0.500		0.500	ug/l	12/03/14 09:55	EPA 524.2/4.1	wlm	U
Toluene	<0.500		0.500	ug/l	12/03/14 09:55	EPA 524.2/4.1	wlm	U
1,2,4-Trichlorobenzene	<0.500		0.500	ug/l	12/03/14 09:55	EPA 524.2/4.1	wlm	U
1,1,2-Trichloroethane	<0.500		0.500	ug/l	12/03/14 09:55	EPA 524.2/4.1	wlm	U
1,1,1-Trichloroethane	<0.500		0.500	ug/l	12/03/14 09:55	EPA 524.2/4.1	wlm	U
Trichloroethene	<0.500		0.500	ug/l	12/03/14 09:55	EPA 524.2/4.1	wlm	U
Vinyl chloride	<0.500		0.500	ug/l	12/03/14 09:55	EPA 524.2/4.1	wlm	U
Xylenes (total)	<1.00		1.00	ug/l	12/03/14 09:55	EPA 524.2/4.1	wlm	U
Surrogate: 4-Bromofluorobenzene	71.6 %		70-130		12/03/14 09:55	EPA 524.2/4.1	wlm	
Surrogate: 1,2-Dichlorobenzene-d4	82.8 %		70-130		12/03/14 09:55	EPA 524.2/4.1	wlm	

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State Certifications: MD 275, WV 364

GES Maryland
 1350 Blair Drive, Suite A
 Odenton MD, 21113
 Project Manager: Greg Reichart

Project: Carroll Fuel Madonna
 Project Number: [none]
 Collector: JP
 Number of Containers: 14

Reported:
 12/10/14 16:04

Client Sample ID: 3921-GREENPEAK-MID-20141125

Date/Time Sampled: 11/25/14 09:13

Laboratory Sample ID: 4L01026-02 (Water/Grab)

Analyte	Result	MDL	RL	Units	Date / Time Analyzed	Method	* Analyst	Note
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Purgeable Organic Compounds by EPA Method 524.2

Ethyl tert-butyl ether	<0.500	0.500	ug/l	12/03/14 10:23	EPA 524.2/4.1	wlm	U
Tert-amyl methyl ether	<0.500	0.500	ug/l	12/03/14 10:23	EPA 524.2/4.1	wlm	U
tert- amyl alcohol	<2.50	2.50	ug/l	12/03/14 10:23	EPA 524.2/4.1	wlm	U
tert- amyl ethyl ether	<0.500	0.500	ug/l	12/03/14 10:23	EPA 524.2/4.1	wlm	U
Tert-butyl alcohol	<2.50	2.50	ug/l	12/03/14 10:23	EPA 524.2/4.1	wlm	U
Diisopropylether (DIPE)	<0.500	0.500	ug/l	12/03/14 10:23	EPA 524.2/4.1	wlm	U
Benzene	<0.500	0.500	ug/l	12/03/14 10:23	EPA 524.2/4.1	wlm	U
Carbon tetrachloride	<0.500	0.500	ug/l	12/03/14 10:23	EPA 524.2/4.1	wlm	U
Chlorobenzene	<0.500	0.500	ug/l	12/03/14 10:23	EPA 524.2/4.1	wlm	U
Naphthalene	<0.500	0.500	ug/l	12/03/14 10:23	EPA 524.2/4.1	wlm	U
1,2-Dichlorobenzene	<0.500	0.500	ug/l	12/03/14 10:23	EPA 524.2/4.1	wlm	U
1,3-Dichlorobenzene	<0.500	0.500	ug/l	12/03/14 10:23	EPA 524.2/4.1	wlm	U
1,2-Dichloroethane	<0.500	0.500	ug/l	12/03/14 10:23	EPA 524.2/4.1	wlm	U
1,1-Dichloroethene	<0.500	0.500	ug/l	12/03/14 10:23	EPA 524.2/4.1	wlm	U
cis-1,2-Dichloroethene	<0.500	0.500	ug/l	12/03/14 10:23	EPA 524.2/4.1	wlm	U
trans-1,2-Dichloroethene	<0.500	0.500	ug/l	12/03/14 10:23	EPA 524.2/4.1	wlm	U
1,2-Dichloropropane	<0.500	0.500	ug/l	12/03/14 10:23	EPA 524.2/4.1	wlm	U
Ethylbenzene	<0.500	0.500	ug/l	12/03/14 10:23	EPA 524.2/4.1	wlm	U

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GES Maryland
 1350 Blair Drive, Suite A
 Odenton MD, 21113
 Project Manager: Greg Reichart

Project: Carroll Fuel Madonna
 Project Number: [none]
 Collector: JP
 Number of Containers: 14

Reported:
 12/10/14 16:04

Client Sample ID: 3921-GREENPEAK-MID-20141125

Date/Time Sampled: 11/25/14 09:13

Laboratory Sample ID: 4L01026-02 (Water/Grab)

Analyte	Result	MDL	RL	Units	Date / Time Analyzed	Method	* Analyst	Note
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Purgeable Organic Compounds by EPA Method 524.2

Methylene chloride	<0.500		0.500	ug/l	12/03/14 10:23	EPA 524.2/4.1	wlm	U
Methyl tert-butyl ether	<0.500		0.500	ug/l	12/03/14 10:23	EPA 524.2/4.1	wlm	U
Styrene	<0.500		0.500	ug/l	12/03/14 10:23	EPA 524.2/4.1	wlm	U
Tetrachloroethene	<0.500		0.500	ug/l	12/03/14 10:23	EPA 524.2/4.1	wlm	U
Toluene	<0.500		0.500	ug/l	12/03/14 10:23	EPA 524.2/4.1	wlm	U
1,2,4-Trichlorobenzene	<0.500		0.500	ug/l	12/03/14 10:23	EPA 524.2/4.1	wlm	U
1,1,2-Trichloroethane	<0.500		0.500	ug/l	12/03/14 10:23	EPA 524.2/4.1	wlm	U
1,1,1-Trichloroethane	<0.500		0.500	ug/l	12/03/14 10:23	EPA 524.2/4.1	wlm	U
Trichloroethene	<0.500		0.500	ug/l	12/03/14 10:23	EPA 524.2/4.1	wlm	U
Vinyl chloride	<0.500		0.500	ug/l	12/03/14 10:23	EPA 524.2/4.1	wlm	U
Xylenes (total)	<1.00		1.00	ug/l	12/03/14 10:23	EPA 524.2/4.1	wlm	U
Surrogate: 4-Bromofluorobenzene		81.7 %		70-130	12/03/14 10:23	EPA 524.2/4.1	wlm	
Surrogate: 1,2-Dichlorobenzene-d4		88.5 %		70-130	12/03/14 10:23	EPA 524.2/4.1	wlm	

Fairway Laboratories, Inc.

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 PaDEP: PA 41-04684



State Certifications: MD 275, WV 364

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GES Maryland
 1350 Blair Drive, Suite A
 Odenton MD, 21113
 Project Manager: Greg Reichart

Project: Carroll Fuel Madonna
 Project Number: [none]
 Collector: JP
 Number of Containers: 14

Reported:
 12/10/14 16:04

Client Sample ID: 3921-GREENPEAK-INF-20141125

Date/Time Sampled: 11/25/14 09:16

Laboratory Sample ID: 4L01026-03 (Water/Grab)

Analyte	Result	MDL	RL	Units	Date / Time Analyzed	Method	* Analyst	Note
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Purgeable Organic Compounds by EPA Method 524.2

Ethyl tert-butyl ether	<0.500	0.500	ug/l	12/03/14 12:15	EPA 524.2/4.1	wlm	U
Tert-amyl methyl ether	<0.500	0.500	ug/l	12/03/14 12:15	EPA 524.2/4.1	wlm	U
tert- amyl alcohol	<2.50	2.50	ug/l	12/03/14 12:15	EPA 524.2/4.1	wlm	U
tert- amyl ethyl ether	<0.500	0.500	ug/l	12/03/14 12:15	EPA 524.2/4.1	wlm	U
Tert-butyl alcohol	<2.50	2.50	ug/l	12/03/14 12:15	EPA 524.2/4.1	wlm	U
Diisopropylether (DIPE)	<0.500	0.500	ug/l	12/03/14 12:15	EPA 524.2/4.1	wlm	U
Benzene	<0.500	0.500	ug/l	12/03/14 12:15	EPA 524.2/4.1	wlm	U
Carbon tetrachloride	<0.500	0.500	ug/l	12/03/14 12:15	EPA 524.2/4.1	wlm	U
Chlorobenzene	<0.500	0.500	ug/l	12/03/14 12:15	EPA 524.2/4.1	wlm	U
Naphthalene	<0.500	0.500	ug/l	12/03/14 12:15	EPA 524.2/4.1	wlm	U
1,2-Dichlorobenzene	<0.500	0.500	ug/l	12/03/14 12:15	EPA 524.2/4.1	wlm	U
1,3-Dichlorobenzene	<0.500	0.500	ug/l	12/03/14 12:15	EPA 524.2/4.1	wlm	U
1,2-Dichloroethane	<0.500	0.500	ug/l	12/03/14 12:15	EPA 524.2/4.1	wlm	U
1,1-Dichloroethene	<0.500	0.500	ug/l	12/03/14 12:15	EPA 524.2/4.1	wlm	U
cis-1,2-Dichloroethene	<0.500	0.500	ug/l	12/03/14 12:15	EPA 524.2/4.1	wlm	U
trans-1,2-Dichloroethene	<0.500	0.500	ug/l	12/03/14 12:15	EPA 524.2/4.1	wlm	U
1,2-Dichloropropane	<0.500	0.500	ug/l	12/03/14 12:15	EPA 524.2/4.1	wlm	U
Ethylbenzene	<0.500	0.500	ug/l	12/03/14 12:15	EPA 524.2/4.1	wlm	U

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GES Maryland
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 Odenton MD, 21113
 Project Manager: Greg Reichart

Project: Carroll Fuel Madonna
 Project Number: [none]
 Collector: JP
 Number of Containers: 14

Reported:
 12/10/14 16:04

Client Sample ID: 3921-GREENPEAK-INF-20141125

Date/Time Sampled: 11/25/14 09:16

Laboratory Sample ID: 4L01026-03 (Water/Grab)

Analyte	Result	MDL	RL	Units	Date / Time Analyzed	Method	* Analyst	Note
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Purgeable Organic Compounds by EPA Method 524.2

Methylene chloride	<0.500		0.500	ug/l	12/03/14 12:15	EPA 524.2/4.1	wlm	U
Methyl tert-butyl ether	17.5		0.500	ug/l	12/03/14 12:15	EPA 524.2/4.1	wlm	
Styrene	<0.500		0.500	ug/l	12/03/14 12:15	EPA 524.2/4.1	wlm	U
Tetrachloroethene	<0.500		0.500	ug/l	12/03/14 12:15	EPA 524.2/4.1	wlm	U
Toluene	<0.500		0.500	ug/l	12/03/14 12:15	EPA 524.2/4.1	wlm	U
1,2,4-Trichlorobenzene	<0.500		0.500	ug/l	12/03/14 12:15	EPA 524.2/4.1	wlm	U
1,1,2-Trichloroethane	<0.500		0.500	ug/l	12/03/14 12:15	EPA 524.2/4.1	wlm	U
1,1,1-Trichloroethane	<0.500		0.500	ug/l	12/03/14 12:15	EPA 524.2/4.1	wlm	U
Trichloroethene	<0.500		0.500	ug/l	12/03/14 12:15	EPA 524.2/4.1	wlm	U
Vinyl chloride	<0.500		0.500	ug/l	12/03/14 12:15	EPA 524.2/4.1	wlm	U
Xylenes (total)	<1.00		1.00	ug/l	12/03/14 12:15	EPA 524.2/4.1	wlm	U
Surrogate: 4-Bromofluorobenzene	74.1 %		70-130		12/03/14 12:15	EPA 524.2/4.1	wlm	
Surrogate: 1,2-Dichlorobenzene-d4	85.9 %		70-130		12/03/14 12:15	EPA 524.2/4.1	wlm	

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GES Maryland
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 Odenton MD, 21113
 Project Manager: Greg Reichart

Project: Carroll Fuel Madonna
 Project Number: [none]
 Collector: JP
 Number of Containers: 14

Reported:
 12/10/14 16:04

Notes

- 2n The surrogate value is not within the indicated range, results are considered to be estimated.
- U Analyte included in the analysis, but not detected

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.

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.

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.

Samples collected by Fairway Laboratories' personnel are done so in accordance with Standard Operating Procedures established by Fairway Laboratories.

* 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.



**Groundwater
& Environmental Services, Inc.**

1350 Blair Drive • Suite A • Odenton, Maryland 21113 • (800) 220-3606 • FAX (410) 721-3733

December 19, 2014

Sharon Delgado
3922 Greenpeak Rd
Jarrettsville, MD 21084

Re: Potable Well Sampling Results
3922 Greenpeak Rd, Jarrettsville, MD 21084

Dear Ms. Delgado:

Groundwater & Environmental Services, Inc. (GES), on behalf of High's of Baltimore, would like to thank you for your cooperation in allowing us to conduct sampling of your drinking water well on November 25, 2014.

The water sample from your well was tested in accordance to USEPA standards for the presence of several petroleum related compounds including methyl tertiary butyl ether (MTBE). The results from the most recent sampling event demonstrate a detection of MTBE in your well water at a concentration of 6.64 micrograms per liter ($\mu\text{g/L}$). For reference, the Maryland Department of the Environment (MDE) action level for MTBE is 20 $\mu\text{g/L}$. A copy of the laboratory analysis report for this sampling event is attached to this correspondence.

The tests conducted on your drinking water well are part of an ongoing groundwater investigation being conducted in cooperation with the MDE and the Harford County Health Department (HCHD). Therefore we would like to continue sampling the water from your drinking water well on a periodic basis while the groundwater investigation is being conducted. We will notify you in advance of the next scheduled sampling event.

If you have any questions concerning this sampling event, please feel free to contact me at 800-220-3606, Ext. 3717. You may also contact Ms. Jeannette DeBartolomeo of the MDE at 410-537-3427.

Sincerely,
GROUNDWATER & ENVIRONMENTAL SERVICES, INC.

A handwritten signature in black ink that reads 'Gregory Reichart'.

Gregory Reichart
Project Manager

Attachment

c: Jeannette DeBartolomeo, MDE (3 copies & CD)
Peter Smith, HCHD
Herb Meade, CIFIC (electronic copy)
Todd Passmore, Apex
GES File



2019 Ninth Avenue
 PO Box 1925
 Altoona, PA 16603
 (814) 946-4306
 NELAP: PA 07-062, VA 460212

89 Kristi Road
 Pennsdale, PA 17756
 (570) 494-6380
 PaDEP: PA 41-04684



www.fairwaylaboratories.com

State Certifications: MD 275, WV 364

GES Maryland
 1350 Blair Drive, Suite A
 Odenton MD, 21113
 Project Manager: Greg Reichart

Project: Carroll Fuel Madonna
 Project Number: [none]
 Collector: JP
 Number of Containers: 14

Reported:
 12/10/14 16:04

Client Sample ID: 3922-GREENPEAK-INF-20141125

Date/Time Sampled: 11/25/14 10:10

Laboratory Sample ID: 4L01026-07 (Water/Grab)

Analyte	Result	MDL	RL	Units	Date / Time Analyzed	Method	* Analyst	Note
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Purgeable Organic Compounds by EPA Method 524.2

Ethyl tert-butyl ether	<0.500	0.500		ug/l	12/03/14 09:27	EPA 524.2/4.1	wlm	U
Tert-amyl methyl ether	<0.500	0.500		ug/l	12/03/14 09:27	EPA 524.2/4.1	wlm	U
tert- amyl alcohol	<2.50	2.50		ug/l	12/03/14 09:27	EPA 524.2/4.1	wlm	U
tert- amyl ethyl ether	<0.500	0.500		ug/l	12/03/14 09:27	EPA 524.2/4.1	wlm	U
Tert-butyl alcohol	<2.50	2.50		ug/l	12/03/14 09:27	EPA 524.2/4.1	wlm	U
Diisopropylether (DIPE)	<0.500	0.500		ug/l	12/03/14 09:27	EPA 524.2/4.1	wlm	U
Benzene	<0.500	0.500		ug/l	12/03/14 09:27	EPA 524.2/4.1	wlm	U
Carbon tetrachloride	<0.500	0.500		ug/l	12/03/14 09:27	EPA 524.2/4.1	wlm	U
Chlorobenzene	<0.500	0.500		ug/l	12/03/14 09:27	EPA 524.2/4.1	wlm	U
Naphthalene	<0.500	0.500		ug/l	12/03/14 09:27	EPA 524.2/4.1	wlm	U
1,2-Dichlorobenzene	<0.500	0.500		ug/l	12/03/14 09:27	EPA 524.2/4.1	wlm	U
1,3-Dichlorobenzene	<0.500	0.500		ug/l	12/03/14 09:27	EPA 524.2/4.1	wlm	U
1,2-Dichloroethane	<0.500	0.500		ug/l	12/03/14 09:27	EPA 524.2/4.1	wlm	U
1,1-Dichloroethene	<0.500	0.500		ug/l	12/03/14 09:27	EPA 524.2/4.1	wlm	U
cis-1,2-Dichloroethene	<0.500	0.500		ug/l	12/03/14 09:27	EPA 524.2/4.1	wlm	U
trans-1,2-Dichloroethene	<0.500	0.500		ug/l	12/03/14 09:27	EPA 524.2/4.1	wlm	U
1,2-Dichloropropane	<0.500	0.500		ug/l	12/03/14 09:27	EPA 524.2/4.1	wlm	U
Ethylbenzene	<0.500	0.500		ug/l	12/03/14 09:27	EPA 524.2/4.1	wlm	U

Fairway Laboratories, Inc.

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The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.



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Project: Carroll Fuel Madonna
 Project Number: [none] **Reported:**
 Collector: JP 12/10/14 16:04
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Date/Time Sampled: 11/25/14 10:10

Laboratory Sample ID: 4L01026-07 (Water/Grab)

Analyte	Result	MDL	RL	Units	Date / Time Analyzed	Method	* Analyst	Note
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Purgeable Organic Compounds by EPA Method 524.2

Methylene chloride	<0.500		0.500	ug/l	12/03/14 09:27	EPA 524.2/4.1	wlm	U
Methyl tert-butyl ether	6.64		0.500	ug/l	12/03/14 09:27	EPA 524.2/4.1	wlm	
Styrene	<0.500		0.500	ug/l	12/03/14 09:27	EPA 524.2/4.1	wlm	U
Tetrachloroethene	<0.500		0.500	ug/l	12/03/14 09:27	EPA 524.2/4.1	wlm	U
Toluene	<0.500		0.500	ug/l	12/03/14 09:27	EPA 524.2/4.1	wlm	U
1,2,4-Trichlorobenzene	<0.500		0.500	ug/l	12/03/14 09:27	EPA 524.2/4.1	wlm	U
1,1,2-Trichloroethane	<0.500		0.500	ug/l	12/03/14 09:27	EPA 524.2/4.1	wlm	U
1,1,1-Trichloroethane	<0.500		0.500	ug/l	12/03/14 09:27	EPA 524.2/4.1	wlm	U
Trichloroethene	<0.500		0.500	ug/l	12/03/14 09:27	EPA 524.2/4.1	wlm	U
Vinyl chloride	<0.500		0.500	ug/l	12/03/14 09:27	EPA 524.2/4.1	wlm	U
Xylenes (total)	<1.00		1.00	ug/l	12/03/14 09:27	EPA 524.2/4.1	wlm	U
Surrogate: 4-Bromofluorobenzene		83.1 %			12/03/14 09:27	EPA 524.2/4.1	wlm	
Surrogate: 1,2-Dichlorobenzene-d4		87.2 %			12/03/14 09:27	EPA 524.2/4.1	wlm	

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Reported:
 12/10/14 16:04

Notes

- 2n The surrogate value is not within the indicated range, results are considered to be estimated.
- U Analyte included in the analysis, but not detected

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.

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.

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.

Samples collected by Fairway Laboratories' personnel are done so in accordance with Standard Operating Procedures established by Fairway Laboratories.

- * 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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