



Commonwealth of Massachusetts
Executive Office of Energy & Environmental Affairs

Department of Environmental Protection

Western Regional Office • 436 Dwight Street, Springfield MA 01103 • 413-784-1100

Charles D. Baker
Governor

Karyn E. Polito
Lieutenant Governor

Matthew A. Beaton
Secretary

Martin Suuberg
Commissioner

Mayor Brian P. Sullivan
59 Court Street - Room 202
Westfield, MA 01085

September 13, 2017

RE: MassDEP Private Well Sampling- PFCs
RTN: 1-20093

Dear Mayor Sullivan,

In a collaborative effort to work with both the City of Westfield and the Barnes Air National Guard, MassDEP has implemented a phased approach to investigate whether private wells have been affected by a release of perfluorinated chemicals (PFCs) to the groundwater. To date, we have sampled fifty-eight (58) private wells and have issued eighty-one (81) access agreement letters. MassDEP is continuing to call individuals who have received access agreement letters to schedule sampling. As additional data is received MassDEP will review the results and adjust the sampling locations as needed. EPA has established a Lifetime Health Advisory level at 70 parts per trillion (ppt). All results we have received to date are summarized in a table on Page 2 of this letter. The results added to the table in this round indicate the following:

Thirteen (11) of the sampling results had detections of PFCs; however, the results were well below the lifetime EPA Health Advisory of 70 ppt.

One (1) of the sampling results indicated PFCs were not detected above the laboratory reporting level, which is 2 ppt. In the table this is identified as ND for Non Detect.

The EPA advisory is specifically for two PFC compounds which have been the most extensively used and studied, PFOA (perfluorooctanoic acid) and PFOS (perfluorooctane sulfonic acid) which together or individually exceed 70 ppt. The Health Advisory offers a margin of protection from a lifetime of exposure for all individuals from adverse health effects resulting from exposure from these compounds in drinking water.

Below are the laboratory results of the fifty-eight (58) private wells sampled to date:

This information is available in alternate format. Contact Michelle Waters-Ekanem, Director of Diversity/Civil Rights at 617-292-5751.

TTY# MassRelay Service 1-800-439-2370

MassDEP Website: www.mass.gov/dep

Printed on Recycled Paper

Address	Date Sampled	Laboratory Results for PFOA + PFOS (70 ppt Advisory)
260 Buck Pond Road	8/28/2017	3ppt
1880 East Mountain	8/28/2017	ND
22 Indian Ridge Road	8/28/2017	8ppt
33 Indian Ridge Road	8/28/2017	8ppt
27 Indian Ridge Road	8/28/2017	6ppt
247 Buck Pond Road	8/8/2017	11ppt
40 Indian Ridge	8/8/2017	9 ppt
244 Buck Pond Road	8/8/2017	6 ppt
1343 Southampton Road	8/8/2017	10 ppt
678 North Road	8/8/2017	10 ppt
232 Buck Pond Road	8/8/2017	11 ppt
30 Indian Ridge Road	8/8/2017	6 ppt
39 Schumann Drive	6/27/2017	ND
235 Buck Pond Road	6/27/2017	3 ppt
253 Buck Pond Road	6/27/2017	ND
277 Buck Pond Road	6/27/2017	3 ppt
229 Buck Pond Road	6/24/2017	13 ppt
1551 East Mountain	6/14/2017	6 ppt
43 Indian Ridge	6/14/2017	8 ppt
1545 East Mountain Road	6/14/2017	4 ppt
1358 East Mountain	6/14/2017	ND
14 Indian Ridge Road	6/14/2017	ND
1534 East Mountain	6/14/2017	3 ppt
369 Pochassic Road	6/14/2017	ND
1557 East Mountain	6/14/2017	6 ppt
5 Tina Lane	6/9/2017	ND
20 Old Holyoke Rd	6/9/2017	8 ppt
1720 East Mountain	6/9/2017	6 ppt
1331 East Mountain	6/9/2017	2 ppt
39 Indian Ridge	6/9/2017	ND
19 Indian Ridge	6/9/2017	6 ppt
36 Indian Ridge Rd	6/9/2017	8 ppt
1355 East Mountain	6/9/2017	ND
1588 East Mountain	6/9/2017	7 ppt
281 Lower Sandy Hill Rd	6/2/2017	141 ppt
289 Lower Sandy Hill Rd	6/2/2017	787 ppt
2 Tina Lane	5/19/2017	ND
20 Hillcrest Circle	5/19/2017	ND
539 North Road	5/18/2017	ND
1295 Southampton	5/18/2017	ND
21 Hillcrest Circle	5/18/2017	ND
285 Lower Sandy Hill Road	5/10/2017	864 ppt
232 Buck Pond Road	5/10/2017	19 ppt

27 Indian Ridge Road	5/10/2017	18 ppt
1214 East Mountain Road	5/10/2017	17 ppt
16 Mockingbird Lane	5/10/2017	ND
294 Union Street	5/10/2017	ND
533 North Road	5/10/2017	ND
42 Old Holyoke Road	5/10/2017	ND
43 Hillcrest Circle	5/10/2017	ND
23 Deveno Lane	4/28/2017	ND
95 Old Holyoke Road	4/28/2017	ND
20 Ridge Trail Road	4/28/2017	ND
1524 East Mountain Road	4/28/2017	ND
2050 East Mountain Road	4/28/2017	ND
34 Lewis Road	4/28/2017	ND
1850 East Mountain Road	4/28/2017	ND
1749 East Mountain Road	4/28/2017	ND

Please note that this table includes all of the sampling results to date. The private well owners have been notified of the results prior the issuance of this letter and have been mailed copies of their laboratory results. MassDEP is continuing to sample private wells and will keep the City, its citizens and Barnes Air National Guard Base apprised of the results as we receive them. A copy of all of the laboratory results is accessible through the City of Westfield's website and can be viewed at <http://public.dep.state.ma.us/fileviewer/Rtn.aspx?rtn=1-0020093>.

If you have any questions regarding this letter please contact me at (413) 755-2213 or Eva Tor at 413-755-2295.

Sincerely,



Michael Gorski
Regional Director

Ecc: Barnes ANG – Colonel James Suhr
Colonel Peter Green
John Richardson
Barnes Aquifer Protection Committee - Patty Gambarini
Westfield DPW - David Billips
Westfield Health Department - Joseph Rouse
Westfield Councilor Mary Ann Babinski
Massachusetts Department of Public Health – Dr. Marc Nascarella



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September 13, 2017

Patricia Kellogg
289 Lower Sandy Hill Road
Westfield, MA 01085

Re: Notice of Environmental Sampling
289 Lower Sandy Hill Road
Westfield Private Well Sampling
Westfield, RTN 1-20093

Dear Ms. Kellogg:

The Department of Environmental Protection (DEP) collected influent, mid-fluent, and effluent, samples on August 1, 2017 from the drinking water treatment system installed in your home on July 19, 2017. Quality control samples including field and trip blanks were also collected during the sampling event. The purpose of the sampling was to confirm the treatment system is removing perfluorinated alkylated substances (PFAS) from your drinking water. The influent sample measures the concentration of PFAS in the untreated water being drawn from your private well. The mid-fluent sample measures PFAS concentrations in water after initial treatment in the first carbon vessel. The detection of PFAS compounds in this sample would indicate that the first carbon vessel is no longer removing PFAS compounds and needs to be replaced. The effluent sample measures the concentrations of PFAS compounds in the water in your home taps. The aforementioned samples were also analyzed for arsenic which is initially present in the carbon from the manufacturing process but is flushed from the system by water passing through the carbon units.

The treatment system sampling results indicate the treatment system is removing PFAS from your drinking water. The PFAS concentrations detected in the influent sample are consistent with earlier sampling results. PFAS compounds were not detected in the mid-fluent and effluent samples. Trace concentrations of arsenic were detected in the mid-fluent and effluent samples at concentrations well below the Drinking Water Standard of 10 parts per billion ($\mu\text{g/l}$).

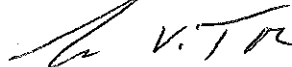
As part of the operation, maintenance, and monitoring of the drinking water treatment system, sampling will be continued on a quarterly schedule. If you experience any issues with your water (i.e. loss of

Notice of Environmental Sampling
289 Lower Sandy Hill Road
Westfield, RTN 1-20093
September 13, 2017
Page 2 of 2

water pressure) please contact us. Again, the Department thanks you for granting access to your property.

If you have any questions pertaining to this Notice of Environmental Sampling or with the information contained within, please feel free to contact David Bachand at (413) 755-2221 or Cynthia Pawloski at (413) 755-2247.

Sincerely,



Eva Tor
Deputy Regional Director
Bureau of Waste Site Cleanup

Attachments: Notice of Environmental Sampling (BWSC-123)
Laboratory Report

Ecc: Mayor, City of Westfield
Barnes ANG-John Richardson
Barnes Aquifer Protection Committee
Westfield DPW – David Billips
Westfield Health Department
Dr. Marc A. Nascarella, Ph.D/DPH

cc:
Denise Andler, DEP WERO
Data Entry: FOLOFF, FOLFLD



Massachusetts Department of Environmental Protection
Bureau of Waste Site Cleanup

BWSC123

This Notice is Related to:
Release Tracking Number

NOTICE OF ENVIRONMENTAL SAMPLING

As required by 310 CMR 40.1403(10) of the Massachusetts Contingency Plan

1 - 20093

A. The address of the disposal site related to this Notice and Release Tracking Number (provided above):

1. Street Address: 175 Falcon Drive
City/Town: Westfield Zip Code: 01085

B. This notice is being provided to the following party:

1. Name: Patricia Kellogg
2. Street Address: 289 Lower Sandy Hill Road
City/Town: Westfield Zip Code: 01085

C. This notice is being given to inform its recipient (the party listed in Section B):

- 1. That environmental sampling will be/has been conducted at property owned by the recipient of this notice.
- 2. Of the results of environmental sampling conducted at property owned by the recipient of this notice.
- 3. Check to indicate if the analytical results are attached. (If item 2. above is checked, the analytical results from the environmental sampling must be attached to this notice.)

D. Location of the property where the environmental sampling will be/has been conducted:

1. Street Address: 289 Lower Sandy Hill Road
City/Town: Westfield Zip Code: 01085

2. MCP phase of work during which the sampling will be/has been conducted:

- | | |
|---|--|
| <input checked="" type="checkbox"/> Immediate Response Action | <input type="checkbox"/> Phase III Feasibility Evaluation |
| <input type="checkbox"/> Release Abatement Measure | <input type="checkbox"/> Phase IV Remedy Implementation Plan |
| <input type="checkbox"/> Utility-related Abatement Measure | <input type="checkbox"/> Phase V/Remedy Operation Status |
| <input type="checkbox"/> Phase I Initial Site Investigation | <input type="checkbox"/> Post-Temporary Solution Operation, Maintenance and Monitoring |
| <input type="checkbox"/> Phase II Comprehensive Site Assessment | <input type="checkbox"/> Other _____ |
- (specify)

3. Description of property where sampling will be/has been conducted:

- residential commercial industrial school/playground Other _____
- (specify)

4. Description of the sampling locations and types (e.g., soil, groundwater, indoor air, soil gas) to the extent known at the time of this notice.

Influent, mid-fluent, and effluent water samples were collected from the the point of entry drinking water treatment system installed at the above-reference residence to confirm the system is removing PFAS from the well water.

E. Contact information related to the party providing this notice:

Contact Name: David Bachand
Street Address: 436 Dwight Street
City/Town: Springfield Zip Code: 01103
Telephone: (413) 755-2221 Email: david.bachand.jr@state.ma.us



NOTICE OF ENVIRONMENTAL SAMPLING

1 - 20093

As required by 310 CMR 40.1403(10) of the Massachusetts Contingency Plan

MASSACHUSETTS REGULATIONS THAT REQUIRE THIS NOTICE

This notice is being provided pursuant to the Massachusetts Contingency Plan and the notification requirement at 310 CMR 40.1403(10). The Massachusetts Contingency Plan is a state regulation that specifies requirements for parties who are taking actions to address releases of chemicals (oil or hazardous material) to the environment.

THE PERSON(S) PROVIDING THIS NOTICE

This notice has been sent to you by the party who is addressing a release of oil or hazardous material to the environment at the location listed in **Section A** on the reverse side of this form. (The regulations refer to the area where the oil or hazardous material is present as the "disposal site".)

PURPOSE OF THIS NOTICE

When environmental samples are taken as part of an investigation of a release for which a notification to MassDEP has been made under the Massachusetts Contingency Plan (310 CMR 40.0300) on behalf of someone other than the owner of the property, the regulations require that the property owner (listed in **Section B** on the reverse side of this form) be given notice of the environmental sampling. The regulations also require that the property owner subsequently receive the analytical results following the analysis of the environmental samples.

Section C on the reverse side of this form indicates the circumstance under which you are receiving this notice at this time. If you are receiving this notice to inform you of the analytical results following the analysis of the environmental samples, you should also have received, as an attachment, a copy of analytical results. These results should indicate the number and type(s) of samples (e.g., soil, groundwater) analyzed, any chemicals identified, and the measured concentrations of those chemicals.

Section D on the reverse side of this form identifies the property where the environmental sampling will be/has been conducted, provides a description of the sampling locations within the property, and indicates the phase of work under the Massachusetts Contingency Plan regulatory process during which the samples will be/were collected.

FOR MORE INFORMATION

Information about the general process for addressing releases of oil or hazardous material under the Massachusetts Contingency Plan and related public involvement opportunities may be found at <http://www.mass.gov/eea/agencies/massdep/cleanup>. For more information regarding this notice, you may contact the party listed in **Section E** on the reverse side of this form. Information about the disposal site identified in Section A is also available in files at the Massachusetts Department of Environmental Protection. See <http://public.dep.state.ma.us/SearchableSites2/Search.aspx> to view site-specific files on-line or <http://mass.gov/eea/agencies/massdep/about/contacts/conduct-a-file-review.html> if you would like to make an appointment to see these files in person. Please reference the **Release Tracking Number** listed in the upper right hand corner on the reverse side of this form when making file review appointments.



39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

August 15, 2017

Rob Smith
ATC Group Services LLC - West Springfield
73 Williams Franks Drive
West Springfield, MA 01089

Project Location: 289 Lower Sandy Hill Rd, Westfield
Client Job Number:
Project Number: 183EM00170
Laboratory Work Order Number: 17H0057

Enclosed are results of analyses for samples received by the laboratory on August 1, 2017. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

A handwritten signature in black ink that reads "Kerry K. McGee". The signature is written in a cursive style with a large, prominent initial 'K'.

Kerry K. McGee
Project Manager

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

ATC Group Services LLC - West Springfield
 73 Williams Franks Drive
 West Springfield, MA 01089
 ATTN: Rob Smith

REPORT DATE: 8/15/2017

PURCHASE ORDER NUMBER:

PROJECT NUMBER: 183EM00170

ANALYTICAL SUMMARY

WORK ORDER NUMBER: 17H0057

The results of analyses performed on the following samples submitted to the CON-TEST Analytical Laboratory are found in this report.

PROJECT LOCATION: 289 Lower Sandy Hill Rd, Westfield

FIELD SAMPLE #	LAB ID:	MATRIX	SAMPLE DESCRIPTION	TEST	SUB LAB
Field Blank 06	17H0057-01	Field Blank		EPA 537	
289 EFF-1	17H0057-02	Drinking Water		EPA 200.8 EPA 537	
289 Mid-1	17H0057-03	Drinking Water		EPA 200.8 EPA 537	
289 Inf-1	17H0057-04	Drinking Water		EPA 200.8 EPA 537	
Trip Blank	17H0057-05	Trip Blank Water		EPA 537	

CASE NARRATIVE SUMMARY

All reported results are within defined laboratory quality control objectives unless listed below or otherwise qualified in this report.

The results of analyses reported only relate to samples submitted to the Con-Test Analytical Laboratory for testing.

I certify that the analyses listed above, unless specifically listed as subcontracted, if any, were performed under my direction according to the approved methodologies listed in this document, and that based upon my inquiry of those individuals immediately responsible for obtaining the information, the material contained in this report is, to the best of my knowledge and belief, accurate and complete.

A handwritten signature in black ink, appearing to read "Lisa A. Worthington". The signature is written in a cursive, flowing style.

Lisa A. Worthington
Project Manager



39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 289 Lower Sandy Hill Rd, Westfie Sample Description:

Work Order: 17H0057

Date Received: 8/1/2017

Field Sample #: Field Blank 06

Sampled: 8/1/2017 10:10

Sample ID: 17H0057-01

Sample Matrix: Field Blank

Miscellaneous Organic Analyses

Analyte	Results	MCL/SMCL		Units	Dilution	Flag/Qual	Method	Date	Date/Time	Analyst
		RL	MA ORSG					Prepared	Analyzed	
Perfluoroundecanoic acid (PFUnA)	ND	2.0	2	ng/L	1		EPA 537	8/11/17	8/13/17 16:14	BLM
Perfluorotridecanoic acid (PFTrDA)	ND	2.0	2	ng/L	1		EPA 537	8/11/17	8/13/17 16:14	BLM
Perfluorotetradecanoic acid (PFTA)	ND	2.0	2	ng/L	1		EPA 537	8/11/17	8/13/17 16:14	BLM
Perfluorooctanoic acid (PFOA)	ND	2.0	2	ng/L	1		EPA 537	8/11/17	8/13/17 16:14	BLM
Perfluorooctanesulfonic acid (PFOS)	ND	2.0	2	ng/L	1		EPA 537	8/11/17	8/13/17 16:14	BLM
Perfluorononanoic acid (PFNA)	ND	2.0	2	ng/L	1		EPA 537	8/11/17	8/13/17 16:14	BLM
Perfluorohexanoic acid (PFHxA)	ND	2.0	2	ng/L	1		EPA 537	8/11/17	8/13/17 16:14	BLM
Perfluorohexanesulfonic acid (PFHxS)	ND	2.0	2	ng/L	1		EPA 537	8/11/17	8/13/17 16:14	BLM
Perfluoroheptanoic acid (PFHpA)	ND	2.0	2	ng/L	1		EPA 537	8/11/17	8/13/17 16:14	BLM
Perfluorododecanoic acid (PFDoA)	ND	2.0	2	ng/L	1		EPA 537	8/11/17	8/13/17 16:14	BLM
Perfluorodecanoic acid (PFDA)	ND	2.0	2	ng/L	1		EPA 537	8/11/17	8/13/17 16:14	BLM
Perfluorobutanesulfonic acid (PFBS)	ND	2.0	2	ng/L	1		EPA 537	8/11/17	8/13/17 16:14	BLM
NEtFOSAA	ND	2.0		ng/L	1		EPA 537	8/11/17	8/13/17 16:14	BLM
NMcFOSAA	ND	2.0		ng/L	1		EPA 537	8/11/17	8/13/17 16:14	BLM
Surrogates		% Recovery	Recovery Limits			Flag/Qual				
13C-PFHxA		99.2	70-130					8/13/17	16:14	
13C-PFDA		107	70-130					8/13/17	16:14	
d5-NEtFOSAA		118	70-130					8/13/17	16:14	

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Project Location: 289 Lower Sandy Hill Rd, Westfic Sample Description:

Work Order: 17H0057

Date Received: 8/1/2017

Field Sample #: 289 EFF-1

Sampled: 8/1/2017 10:50

Sample ID: 17H0057-02

Sample Matrix: Drinking Water

Miscellaneous Organic Analyses

Analyte	Results	MCL/SMCL			Units	Dilution	Flag/Qual	Method	Date	Date/Time	Analyst
		RL	MA	ORSG					Prepared	Analyzed	
Perfluoroundecanoic acid (PFUnA)	ND	2.0	2		ng/L	1	EPA 537	8/11/17	8/13/17 17:18	BLM	
Perfluorotridecanoic acid (PFTrDA)	ND	2.0	2		ng/L	1	EPA 537	8/11/17	8/13/17 17:18	BLM	
Perfluorotetradecanoic acid (PFTA)	ND	2.0	2		ng/L	1	EPA 537	8/11/17	8/13/17 17:18	BLM	
Perfluorooctanoic acid (PFOA)	ND	2.0	2		ng/L	1	EPA 537	8/11/17	8/13/17 17:18	BLM	
Perfluorooctanesulfonic acid (PFOS)	ND	2.0	2		ng/L	1	EPA 537	8/11/17	8/13/17 17:18	BLM	
Perfluorononanoic acid (PFNA)	ND	2.0	2		ng/L	1	EPA 537	8/11/17	8/13/17 17:18	BLM	
Perfluorohexanoic acid (PFHxA)	ND	2.0	2		ng/L	1	EPA 537	8/11/17	8/13/17 17:18	BLM	
Perfluorohexanesulfonic acid (PFHxS)	ND	2.0	2		ng/L	1	EPA 537	8/11/17	8/13/17 17:18	BLM	
Perfluoroheptanoic acid (PFHpA)	ND	2.0	2		ng/L	1	EPA 537	8/11/17	8/13/17 17:18	BLM	
Perfluorododecanoic acid (PFDoA)	ND	2.0	2		ng/L	1	EPA 537	8/11/17	8/13/17 17:18	BLM	
Perfluorodecanoic acid (PFDA)	ND	2.0	2		ng/L	1	EPA 537	8/11/17	8/13/17 17:18	BLM	
Perfluorobutanesulfonic acid (PFBS)	ND	2.0	2		ng/L	1	EPA 537	8/11/17	8/13/17 17:18	BLM	
NEtFOSAA	ND	2.0			ng/L	1	EPA 537	8/11/17	8/13/17 17:18	BLM	
NMcFOSAA	ND	2.0			ng/L	1	EPA 537	8/11/17	8/13/17 17:18	BLM	

Surrogates	% Recovery	Recovery Limits	Flag/Qual
13C-PFHxA	88.2	70-130	8/13/17 17:18
13C-PFDA	87.1	70-130	8/13/17 17:18
d5-NEtFOSAA	87.5	70-130	8/13/17 17:18



39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 289 Lower Sandy Hill Rd, Westfic

Sample Description:

Work Order: 17H0057

Date Received: 8/1/2017

Field Sample #: 289 EFF-1

Sampled: 8/1/2017 10:50

Sample ID: 17H0057-02

Sample Matrix: Drinking Water

Metals Analyses (Total)

Analyte	Results	MCL/SMCL		Units	Dilution	Flag/Qual	Method	Date	Date/Time	Analyst
		RL	MA ORSG					Prepared	Analyzed	
Arsenic	1.5	1.0	10	µg/L	1		EPA 200.8	8/14/17	8/15/17 11:15	WSD

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 289 Lower Sandy Hill Rd, Westfie Sample Description:

Work Order: 17H0057

Date Received: 8/1/2017

Field Sample #: 289 Mid-1

Sampled: 8/1/2017 10:55

Sample ID: 17H0057-03

Sample Matrix: Drinking Water

Miscellaneous Organic Analyses

Analyte	Results	MCL/SMCL		Units	Dilution	Flag/Qual	Method	Date	Date/Time	Analyst
		RL	MA ORSG					Prepared	Analyzed	
Perfluoroundecanoic acid (PFUnA)	ND	2.0	2	ng/L	1		EPA 537	8/11/17	8/13/17 17:30	BLM
Perfluorotridecanoic acid (PFTriDA)	ND	2.0	2	ng/L	1		EPA 537	8/11/17	8/13/17 17:30	BLM
Perfluorotetradecanoic acid (PFTA)	ND	2.0	2	ng/L	1		EPA 537	8/11/17	8/13/17 17:30	BLM
Perfluorooctanoic acid (PFOA)	ND	2.0	2	ng/L	1		EPA 537	8/11/17	8/13/17 17:30	BLM
Perfluorooctanesulfonic acid (PFOS)	ND	2.0	2	ng/L	1		EPA 537	8/11/17	8/13/17 17:30	BLM
Perfluorononanoic acid (PFNA)	ND	2.0	2	ng/L	1		EPA 537	8/11/17	8/13/17 17:30	BLM
Perfluorohexanoic acid (PFHxA)	ND	2.0	2	ng/L	1		EPA 537	8/11/17	8/13/17 17:30	BLM
Perfluorohexanesulfonic acid (PFHxS)	ND	2.0	2	ng/L	1		EPA 537	8/11/17	8/13/17 17:30	BLM
Perfluoroheptanoic acid (PFHpA)	ND	2.0	2	ng/L	1		EPA 537	8/11/17	8/13/17 17:30	BLM
Perfluorododecanoic acid (PFDoA)	ND	2.0	2	ng/L	1		EPA 537	8/11/17	8/13/17 17:30	BLM
Perfluorodecanoic acid (PFDA)	ND	2.0	2	ng/L	1		EPA 537	8/11/17	8/13/17 17:30	BLM
Perfluorobutanesulfonic acid (PFBS)	ND	2.0	2	ng/L	1		EPA 537	8/11/17	8/13/17 17:30	BLM
NEtFOSAA	ND	2.0		ng/L	1		EPA 537	8/11/17	8/13/17 17:30	BLM
NMcFOSAA	ND	2.0		ng/L	1		EPA 537	8/11/17	8/13/17 17:30	BLM

Surrogates	% Recovery	Recovery Limits	Flag/Qual
13C-PFHxA	86.6	70-130	8/13/17 17:30
13C-PFDA	88.2	70-130	8/13/17 17:30
d5-NEtFOSAA	95.3	70-130	8/13/17 17:30



39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 289 Lower Sandy Hill Rd, Westfie

Sample Description:

Work Order: 17H0057

Date Received: 8/1/2017

Field Sample #: 289 Mid-1

Sampled: 8/1/2017 10:55

Sample ID: 17H0057-03

Sample Matrix: Drinking Water

Metals Analyses (Total)

Analyte	Results	MCL/SMCL		Units	Dilution	Flag/Qual	Method	Date	Date/Time	Analyst
		RL	MA ORSG					Prepared	Analyzed	
Arsenic	1.2	1.0	10	µg/L	1		EPA 200.8	8/14/17	8/15/17 11:19	WSD

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 289 Lower Sandy Hill Rd, Westfic

Sample Description:

Work Order: 17H0057

Date Received: 8/1/2017

Field Sample #: 289 Inf-1

Sampled: 8/1/2017 11:00

Sample ID: 17H0057-04

Sample Matrix: Drinking Water

Miscellaneous Organic Analyses

Analyte	Results	MCL/SMCL			Units	Dilution	Flag/Qual	Method	Date	Date/Time	Analyst
		RL	MA	ORSG					Prepared	Analyzed	
Perfluoroundecanoic acid (PFUnA)	ND	2.0	2		ng/L	1	EPA 537	8/11/17	8/13/17 20:03	BLM	
Perfluorotridecanoic acid (PFTrDA)	ND	2.0	2		ng/L	1	EPA 537	8/11/17	8/13/17 20:03	BLM	
Perfluorotetradecanoic acid (PFTA)	ND	2.0	2		ng/L	1	EPA 537	8/11/17	8/13/17 20:03	BLM	
# Perfluorooctanoic acid (PFOA)	100	2.0	2		ng/L	1	EPA 537	8/11/17	8/13/17 20:03	BLM	
# Perfluorooctanesulfonic acid (PFOS)	370	10	2		ng/L	5	EPA 537	8/11/17	8/15/17 13:16	BLM	
Perfluorononanoic acid (PFNA)	ND	2.0	2		ng/L	1	EPA 537	8/11/17	8/13/17 20:03	BLM	
# Perfluorohexanoic acid (PFHxA)	67	2.0	2		ng/L	1	EPA 537	8/11/17	8/13/17 20:03	BLM	
# Perfluorohexanesulfonic acid (PFHxS)	220	10	2		ng/L	5	EPA 537	8/11/17	8/15/17 13:16	BLM	
# Perfluoroheptanoic acid (PFHpA)	19	2.0	2		ng/L	1	EPA 537	8/11/17	8/13/17 20:03	BLM	
Perfluorododecanoic acid (PFDoA)	ND	2.0	2		ng/L	1	EPA 537	8/11/17	8/13/17 20:03	BLM	
Perfluorodecanoic acid (PFDA)	ND	2.0	2		ng/L	1	EPA 537	8/11/17	8/13/17 20:03	BLM	
# Perfluorobutanesulfonic acid (PFBS)	19	2.0	2		ng/L	1	EPA 537	8/11/17	8/13/17 20:03	BLM	
NEtFOSAA	ND	2.0			ng/L	1	EPA 537	8/11/17	8/13/17 20:03	BLM	
NMeFOSAA	ND	2.0			ng/L	1	EPA 537	8/11/17	8/13/17 20:03	BLM	
Surrogates	% Recovery		Recovery Limits		Flag/Qual						
13C-PFHxA	98.7		70-130						8/13/17 20:03		
13C-PFHxA	86.9		70-130						8/15/17 13:16		
13C-PFDA	70.7		70-130						8/13/17 20:03		
13C-PFDA	89.0		70-130						8/15/17 13:16		
d5-NEtFOSAA	88.1		70-130						8/13/17 20:03		
d5-NEtFOSAA	94.3		70-130						8/15/17 13:16		



39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 289 Lower Sandy Hill Rd, Westfie

Sample Description:

Work Order: 17H0057

Date Received: 8/1/2017

Field Sample #: 289 Inf-1

Sampled: 8/1/2017 11:00

Sample ID: 17H0057-04

Sample Matrix: Drinking Water

Metals Analyses (Total)

Analyte	Results	MCL/SMCL		Units	Dilution	Flag/Qual	Method	Date	Date/Time	Analyst
		RL	MA ORSG					Prepared	Analyzed	
Arsenic	ND	1.0	10	µg/L	1		EPA 200.8	8/14/17	8/15/17 11:31	WSD

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 289 Lower Sandy Hill Rd, Westfie

Sample Description:

Work Order: 17H0057

Date Received: 8/1/2017

Field Sample #: Trip Blank

Sampled: 8/1/2017 00:00

Sample ID: 17H0057-05

Sample Matrix: Trip Blank Water

Miscellaneous Organic Analyses

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Perfluoroundecanoic acid (PFUnA)	ND	2.0	ng/L	1		EPA 537	8/11/17	8/13/17 15:48	BLM
Perfluorotridecanoic acid (PFTrDA)	ND	2.0	ng/L	1		EPA 537	8/11/17	8/13/17 15:48	BLM
Perfluorotetradecanoic acid (PFTA)	ND	2.0	ng/L	1		EPA 537	8/11/17	8/13/17 15:48	BLM
Perfluorooctanoic acid (PFOA)	ND	2.0	ng/L	1		EPA 537	8/11/17	8/13/17 15:48	BLM
Perfluorooctanesulfonic acid (PFOS)	ND	2.0	ng/L	1		EPA 537	8/11/17	8/13/17 15:48	BLM
Perfluorononanoic acid (PFNA)	ND	2.0	ng/L	1		EPA 537	8/11/17	8/13/17 15:48	BLM
Perfluorohexanoic acid (PFHxA)	ND	2.0	ng/L	1		EPA 537	8/11/17	8/13/17 15:48	BLM
Perfluorohexanesulfonic acid (PFHxS)	ND	2.0	ng/L	1		EPA 537	8/11/17	8/13/17 15:48	BLM
Perfluoroheptanoic acid (PFHpA)	ND	2.0	ng/L	1		EPA 537	8/11/17	8/13/17 15:48	BLM
Perfluorododecanoic acid (PFDoA)	ND	2.0	ng/L	1		EPA 537	8/11/17	8/13/17 15:48	BLM
Perfluorodecanoic acid (PFDA)	ND	2.0	ng/L	1		EPA 537	8/11/17	8/13/17 15:48	BLM
Perfluorobutanesulfonic acid (PFBS)	ND	2.0	ng/L	1		EPA 537	8/11/17	8/13/17 15:48	BLM
NEtFOSAA	ND	2.0	ng/L	1		EPA 537	8/11/17	8/13/17 15:48	BLM
NMeFOSAA	ND	2.0	ng/L	1		EPA 537	8/11/17	8/13/17 15:48	BLM

Surrogates	% Recovery	Recovery Limits	Flag/Qual
13C-PFHxA	97.8	70-130	8/13/17 15:48
13C-PFDA	112	70-130	8/13/17 15:48
d5-NEtFOSAA	120	70-130	8/13/17 15:48



39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Sample Extraction Data

Prep Method: EPA 200.8-EPA 200.8

Lab Number [Field ID]	Batch	Initial [mL]	Final [mL]	Date
17H0057-02 [289 EFF-1]	B184074	10.0	10.0	08/14/17
17H0057-03 [289 Mid-1]	B184074	10.0	10.0	08/14/17
17H0057-04 [289 Inf-1]	B184074	10.0	10.0	08/14/17

Prep Method: EPA 537-EPA 537

Lab Number [Field ID]	Batch	Initial [mL]	Final [mL]	Date
17H0057-01 [Field Blank 06]	B183913	250	1.00	08/11/17
17H0057-02 [289 EFF-1]	B183913	250	1.00	08/11/17
17H0057-03 [289 Mid-1]	B183913	250	1.00	08/11/17
17H0057-04 [289 Inf-1]	B183913	250	1.00	08/11/17
17H0057-04RE1 [289 Inf-1]	B183913	250	1.00	08/11/17
17H0057-05 [Trip Blank]	B183913	250	1.00	08/11/17

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

QUALITY CONTROL

Miscellaneous Organic Analyses - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B183913 - EPA 537										
Blank (B183913-BLK1)										
Prepared: 08/11/17 Analyzed: 08/13/17										
Perfluoroundecanoic acid (PFUnA)	ND	2.0	ng/L							
Perfluorotridecanoic acid (PFTrDA)	ND	2.0	ng/L							
Perfluorotetradecanoic acid (PFTA)	ND	2.0	ng/L							
Perfluorooctanoic acid (PFOA)	ND	2.0	ng/L							
Perfluorooctanesulfonic acid (PFOS)	ND	2.0	ng/L							
Perfluorononanoic acid (PFNA)	ND	2.0	ng/L							
Perfluorohexanoic acid (PFHxA)	ND	2.0	ng/L							
Perfluorohexanesulfonic acid (PFHxS)	ND	2.0	ng/L							
Perfluoroheptanoic acid (PFHpA)	ND	2.0	ng/L							
Perfluorododecanoic acid (PFDoA)	ND	2.0	ng/L							
Perfluorodecanoic acid (PFDA)	ND	2.0	ng/L							
Perfluorobutanesulfonic acid (PFBS)	ND	2.0	ng/L							
NEtFOSAA	ND	2.0	ng/L							
NMeFOSAA	ND	2.0	ng/L							
Surrogate: 13C-PFHxA	39.5		ng/L	40.0		98.7	70-130			
Surrogate: 13C-PFDA	44.3		ng/L	40.0		111	70-130			
Surrogate: d5-NEtFOSAA	188		ng/L	160		118	70-130			
LCS (B183913-BS1)										
Prepared: 08/11/17 Analyzed: 08/13/17										
Perfluoroundecanoic acid (PFUnA)	2.18	2.0	ng/L	2.00		109	50-150			
Perfluorotridecanoic acid (PFTrDA)	2.01	2.0	ng/L	2.00		100	50-150			
Perfluorotetradecanoic acid (PFTA)	2.01	2.0	ng/L	2.00		101	50-150			
Perfluorooctanoic acid (PFOA)	2.20	2.0	ng/L	2.00		110	50-150			
Perfluorooctanesulfonic acid (PFOS)	2.30	2.0	ng/L	1.85		125	50-150			
Perfluorononanoic acid (PFNA)	1.58	2.0	ng/L	2.00		79.2	50-150			
Perfluorohexanoic acid (PFHxA)	1.95	2.0	ng/L	2.00		97.4	50-150			
Perfluorohexanesulfonic acid (PFHxS)	1.74	2.0	ng/L	1.82		95.8	50-150			
Perfluoroheptanoic acid (PFHpA)	1.75	2.0	ng/L	2.00		87.6	50-150			
Perfluorododecanoic acid (PFDoA)	1.80	2.0	ng/L	2.00		89.8	50-150			
Perfluorodecanoic acid (PFDA)	2.13	2.0	ng/L	2.00		106	50-150			
Perfluorobutanesulfonic acid (PFBS)	1.65	2.0	ng/L	1.77		93.3	50-150			
NEtFOSAA	1.59	2.0	ng/L	2.00		79.4	50-150			
NMeFOSAA	1.92	2.0	ng/L	2.00		95.9	50-150			
Surrogate: 13C-PFHxA	34.0		ng/L	40.0		85.1	70-130			
Surrogate: 13C-PFDA	37.3		ng/L	40.0		93.3	70-130			
Surrogate: d5-NEtFOSAA	169		ng/L	160		105	70-130			



39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

QUALITY CONTROL

Metals Analyses (Total) - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B184074 - EPA 200.8										
Blank (B184074-BLK1)										
					Prepared: 08/14/17 Analyzed: 08/15/17					
Arsenic	ND	1.0	µg/L							
LCS (B184074-BS1)										
					Prepared: 08/14/17 Analyzed: 08/15/17					
Arsenic	42.2	1.0	µg/L	40.0		105	85-115			



39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

FLAG/QUALIFIER SUMMARY

*	QC result is outside of established limits.
†	Wide recovery limits established for difficult compound.
‡	Wide RPD limits established for difficult compound.
#	Data exceeded client recommended or regulatory level
ND	Not Detected
RL	Reporting Limit
DL	Method Detection Limit
MCL	Maximum Contaminant Level

Percent recoveries and relative percent differences (RPDs) are determined by the software using values in the calculation which have not been rounded.

No results have been blank subtracted unless specified in the case narrative section.



39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

CERTIFICATIONS

Certified Analyses included in this Report

Analyte	Certifications
<i>EPA 200.8 in Drinking Water</i>	
Arsenic	CT,MA,NH,NY,RI,NC,ME,VA
<i>EPA 537 in Drinking Water</i>	
Perfluorooctanoic acid (PFOA)	NH,NY
Perfluorooctanesulfonic acid (PFOS)	NH,NY

The CON-TEST Environmental Laboratory operates under the following certifications and accreditations:

Code	Description	Number	Expires
AIHA	AIHA-LAP, LLC - ISO17025:2005	100033	02/1/2018
MA	Massachusetts DEP	M-MA100	06/30/2018
CT	Connecticut Department of Public Health	PH-0567	09/30/2017
NY	New York State Department of Health	10899 NELAP	04/1/2018
NH-S	New Hampshire Environmental Lab	2516 NELAP	02/5/2018
RI	Rhode Island Department of Health	LAO00112	12/30/2017
NC	North Carolina Div. of Water Quality	652	12/31/2017
NJ	New Jersey DEP	MA007 NELAP	06/30/2018
FL	Florida Department of Health	E871027 NELAP	06/30/2018
VT	Vermont Department of Health Lead Laboratory	LL015036	07/30/2018
ME	State of Maine	2011028	06/9/2019
VA	Commonwealth of Virginia	460217	12/14/2017
NH-P	New Hampshire Environmental Lab	2557 NELAP	09/6/2017
VT-DW	Vermont Department of Health Drinking Water	VT-255716	06/12/2018
NC-DW	North Carolina Department of Health	25703	07/31/2018

Company Name: ATC Group Services
Address: 73 William Franks Drive, West Springfield, MA
Phone: (413) 781-0070
Project Name: 289 Lower Sandy Hill Rd, Westfield
Project Location: 289 Lower Sandy Hill Rd, Westfield
Project Number: 183EM00170
Project Manager: Rob Smith
Con-Test Quote Name/Number:
Invoice Recipient: Joseph Bolduc
Sampled By:

Con-Test Work Order #	Client Sample ID / Description	Beginning Date/Time	Ending Date/Time	Composite	Grab	Matrix Code	Conc Code
01	field blank-06	8/1/2017	1010		X	DW	U
02	289 EFF-1	8/1/2017	1050		X	DW	U
03	289 Mid-1	8/1/2017	1055		X	DW	U
04	289 Inf-1	8/1/2017	1100		X	DW	U

Requested Turnaround Time:
 7-Day 10-Day
 Due Date: 5-day TAT
Rush Approval Required:
 1-Day 3-Day
 2-Day 4-Day
Data Delivery:
 Format: PDF EXCEL
 Other:
 CLP Like Data Pkg Required:
 Email: Torrob.smith@atcassociates.com
 Fax To #:

ANALYSIS REQUESTED

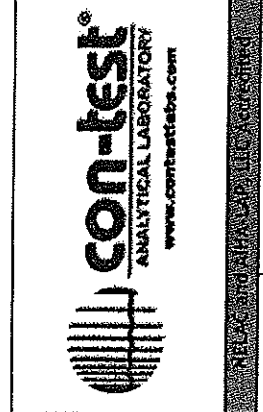
EPA METHOD 537
 TOTAL As, Fe, HARDNESS, TOC

Matrix Codes:
 GW = Ground Water
 WW = Waste Water
 DW = Drinking Water
 A = Air
 S = Soil
 SL = Sludge
 SOL = Solid
 O = Other (please define)

Preservation Codes:
 I = Iced
 H = HCL
 M = Methanol
 N = Nitric Acid
 S = Sulfuric Acid
 B = Sodium Bisulfate
 X = Sodium Hydroxide
 T = Sodium Thiosulfate
 O = Other (please define)
 TRIZWA

Container Codes:
 A = Amber Glass
 G = Glass
 P = Plastic
 ST = Sterile
 V = Vial
 S = Summa Canister
 T = Tedlar Bag
 O = Other (please define)

FCB ONLY
 Soxhlet
 Non Soxhlet



Comments:
 RUN EPA Method 537: Trip Blank From Project 281 Lower Sandy Hill Rd.

Relinquished by: (signature) Date/Time: 8-1-17 13:30
Received by: (signature) Date/Time: 8/1/17 13:30
Relinquished by: (signature) Date/Time: 8/1/17 13:30
Received by: (signature) Date/Time: 8/1/17 13:30

Detection Limit Requirement: MA MA MCP Required
Special Requirements: MCP Certification Form Required
Other: CT RCP Required
 RCP Certification Form Required
 MA State DW Required

Project Entity: PWSID #
 Government Municipality WRTA Other
 Federal City 21 J School Chromatogram
 City Brownfield MBTA MBTA

39 Spruce St.
 East Longmeadow, MA. 01028
 P: 413-525-2332
 F: 413-525-6405
 www.contestlabs.com



Doc# 277 Rev 5 2017

Login Sample Receipt Checklist - (Rejection Criteria Listing - Using Acceptance Policy) Any False Statement will be brought to the attention of the Client - State True or False

Client ATC

Received By RLF Date 8/11/17 Time 1330

How were the samples received? In Cooler T No Cooler On Ice T No Ice
 Direct from Sampling T Ambient Melted Ice

Were samples within Temperature? 2-6°C F By Gun # 7 Actual Temp - 19.4°C
 By Blank # Actual Temp -

Was Custody Seal Intact? NA Were Samples Tampered with? F
 Was COC Relinquished? T Does Chain Agree With Samples? T

Are there broken/leaking/loose caps on any samples? F

Is COC in ink/ Legible? T Were samples received within holding time? T

Did COC include all Client T Analysis T Sampler Name T
 pertinent Information? Project T ID's T Collection Dates/Times T

Are Sample labels filled out and legible? T

Are there Lab to Filters? F

Are there Rushes? F

Are there Short Holds? F

Is there enough Volume? T

Is there Headspace where applicable? NA

Proper Media/Containers Used? T

Were trip blanks received? F

Do all samples have the proper pH?

Who was notified?

Who was notified?

Who was notified?

MS/MSD? NA

Is splitting samples required? F

On COC? NA

Acid T Base NA

Vials	#	Containers	#	#	#
Unp-		1 Liter Amb.		1 Liter Plastic	16 oz Amb.
HCL-		500 mL Amb.		500 mL Plastic	8oz Amb/Clear
Meoh-		250 mL Amb.		250 mL Plastic	4oz Amb/Clear
Bisulfate-		Col./Bacteria		Flashpoint	2oz Amb/Clear
DI-		Other Plastic		Other Glass	Encore
Thiosulfate-		SOC Kit		Plastic Bag	Frozen:
Sulfuric-		Perchlorate		Ziplock	

Unused Media

Vials	#	Containers	#	#	#
Unp-		1 Liter Amb.		1 Liter Plastic	16 oz Amb.
HCL-		500 mL Amb.		500 mL Plastic	8oz Amb/Clear
Meoh-		250 mL Amb.		250 mL Plastic	4oz Amb/Clear
Bisulfate-		Col./Bacteria		Flashpoint	2oz Amb/Clear
DI-		Other Plastic		Other Glass	Encore
Thiosulfate-		SOC Kit		Plastic Bag	Frozen:
Sulfuric-		Perchlorate		Ziplock	

Comments:



Commonwealth of Massachusetts
Executive Office of Energy & Environmental Affairs

Department of Environmental Protection

Western Regional Office • 436 Dwight Street, Springfield MA 01103 • 413-784-1100

Charles D. Baker
Governor

Karyn E. Polito
Lieutenant Governor

Matthew A. Beaton
Secretary

Martin Suuberg
Commissioner

September 13, 2017

Couture Partners LLC
Attn: Bob Couture
504 11th Street
Hermosa Beach, CA 90254

Re: Notice of Environmental Sampling
285 Lower Sandy Hill Road
Westfield Private Well Sampling
Westfield, RTN 1-20093

Dear Mr. Couture:

The Department of Environmental Protection (DEP) collected influent, mid-fluent, and effluent, samples on August 1, 2017 from the drinking water treatment system installed in your home on July 19, 2017. Quality control samples including field and trip blanks were also collected during the sampling event. The purpose of the sampling was to confirm the treatment system is removing perfluorinated alkylated substances (PFAS) from your drinking water. The influent sample measures the concentration of PFAS in the untreated water being drawn from your private well. The mid-fluent sample measures PFAS concentrations in water after initial treatment in the first carbon vessel. The detection of PFAS compounds in this sample would indicate that the first carbon vessel is no longer removing PFAS compounds and needs to be replaced. The effluent sample measures the concentrations of PFAS compounds in the water in your home taps. The aforementioned samples were also analyzed for arsenic which is initially present in the carbon from the manufacturing process but is flushed from the system by water passing through the carbon units.

The treatment system sampling results indicate the treatment system is removing PFAS from your drinking water. The PFAS concentrations detected in the influent sample are consistent with earlier sampling results. PFAS compounds were not detected in the mid-fluent and effluent samples. Trace concentrations of arsenic were detected in the mid-fluent and effluent samples at concentrations well below the Drinking Water Standard of 10 parts per billion ($\mu\text{g/l}$).

As part of the operation, maintenance, and monitoring of the drinking water treatment system, sampling will be continued on a quarterly schedule. If you experience any issues with your water (i.e. loss of

Notice of Environmental Sampling
285 Lower Sandy Hill Road
Westfield, RTN 1-20093
September 13, 2017
Page 2 of 2

water pressure) please contact us. Again, the Department thanks you for granting access to your property.

If you have any questions pertaining to this Notice of Environmental Sampling or with the information contained within, please feel free to contact David Bachand at (413) 755-2221 or Cynthia Pawloski at (413) 755-2247.

Sincerely,



Eva Tor
Deputy Regional Director
Bureau of Waste Site Cleanup

Attachments: Notice of Environmental Sampling (BWSC-123)
Laboratory Report

Ecc: Mayor, City of Westfield
Barnes ANG-John Richardson
Barnes Aquifer Protection Committee
Westfield DPW – David Billips
Westfield Health Department
Dr. Marc A. Nascarella, Ph.D/DPH

cc:
Denise Andler, DEP WERO
Data Entry: FOLOFF, FOLFLD



Massachusetts Department of Environmental Protection
Bureau of Waste Site Cleanup

BWSC123

This Notice is Related to:
Release Tracking Number

NOTICE OF ENVIRONMENTAL SAMPLING

As required by 310 CMR 40.1403(10) of the Massachusetts Contingency Plan

1 - 20093

A. The address of the disposal site related to this Notice and Release Tracking Number (provided above):

1. Street Address: 175 Falcon Drive
City/Town: Westfield Zip Code: 01085

B. This notice is being provided to the following party:

1. Name: Couture Partners LLC
2. Street Address: 504 11th Street
City/Town: Hermosa Beach Zip Code: 90254

C. This notice is being given to inform its recipient (the party listed in Section B):

- 1. That environmental sampling will be/has been conducted at property owned by the recipient of this notice.
- 2. Of the results of environmental sampling conducted at property owned by the recipient of this notice.
- 3. Check to indicate if the analytical results are attached. (If item 2. above is checked, the analytical results from the environmental sampling must be attached to this notice.)

D. Location of the property where the environmental sampling will be/has been conducted:

1. Street Address: 285 Lower Sandy Hill Road
City/Town: Westfield Zip Code: 01085

2. MCP phase of work during which the sampling will be/has been conducted:

- | | |
|---|--|
| <input checked="" type="checkbox"/> Immediate Response Action | <input type="checkbox"/> Phase III Feasibility Evaluation |
| <input type="checkbox"/> Release Abatement Measure | <input type="checkbox"/> Phase IV Remedy Implementation Plan |
| <input type="checkbox"/> Utility-related Abatement Measure | <input type="checkbox"/> Phase V/Remedy Operation Status |
| <input type="checkbox"/> Phase I Initial Site Investigation | <input type="checkbox"/> Post-Temporary Solution Operation, Maintenance and Monitoring |
| <input type="checkbox"/> Phase II Comprehensive Site Assessment | <input type="checkbox"/> Other _____
(specify) |

3. Description of property where sampling will be/has been conducted:

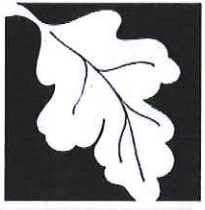
- residential commercial industrial school/playground Other _____
(specify)

4. Description of the sampling locations and types (e.g., soil, groundwater, indoor air, soil gas) to the extent known at the time of this notice.

Influent, mid-fluent, and effluent water samples were collected from the the point of entry drinking water treatment system installed at the above-reference residence to confirm the system is removing PFAS from the well water.

E. Contact information related to the party providing this notice:

Contact Name: David Bachand
Street Address: 436 Dwight Street
City/Town: Springfield Zip Code: 01103
Telephone: (413) 755-2221 Email: david.bachand.jr@state.ma.us



NOTICE OF ENVIRONMENTAL SAMPLING

1 - 20093

As required by 310 CMR 40.1403(10) of the Massachusetts Contingency Plan

MASSACHUSETTS REGULATIONS THAT REQUIRE THIS NOTICE

This notice is being provided pursuant to the Massachusetts Contingency Plan and the notification requirement at 310 CMR 40.1403(10). The Massachusetts Contingency Plan is a state regulation that specifies requirements for parties who are taking actions to address releases of chemicals (oil or hazardous material) to the environment.

THE PERSON(S) PROVIDING THIS NOTICE

This notice has been sent to you by the party who is addressing a release of oil or hazardous material to the environment at the location listed in **Section A** on the reverse side of this form. (The regulations refer to the area where the oil or hazardous material is present as the "disposal site".)

PURPOSE OF THIS NOTICE

When environmental samples are taken as part of an investigation of a release for which a notification to MassDEP has been made under the Massachusetts Contingency Plan (310 CMR 40.0300) on behalf of someone other than the owner of the property, the regulations require that the property owner (listed in **Section B** on the reverse side of this form) be given notice of the environmental sampling. The regulations also require that the property owner subsequently receive the analytical results following the analysis of the environmental samples.

Section C on the reverse side of this form indicates the circumstance under which you are receiving this notice at this time. If you are receiving this notice to inform you of the analytical results following the analysis of the environmental samples, you should also have received, as an attachment, a copy of analytical results. These results should indicate the number and type(s) of samples (e.g., soil, groundwater) analyzed, any chemicals identified, and the measured concentrations of those chemicals.

Section D on the reverse side of this form identifies the property where the environmental sampling will be/has been conducted, provides a description of the sampling locations within the property, and indicates the phase of work under the Massachusetts Contingency Plan regulatory process during which the samples will be/were collected.

FOR MORE INFORMATION

Information about the general process for addressing releases of oil or hazardous material under the Massachusetts Contingency Plan and related public involvement opportunities may be found at <http://www.mass.gov/eea/agencies/massdep/cleanup>. For more information regarding this notice, you may contact the party listed in **Section E** on the reverse side of this form. Information about the disposal site identified in Section A is also available in files at the Massachusetts Department of Environmental Protection. See <http://public.dep.state.ma.us/SearchableSites2/Search.aspx> to view site-specific files on-line or <http://mass.gov/eea/agencies/massdep/about/contacts/conduct-a-file-review.html> if you would like to make an appointment to see these files in person. Please reference the **Release Tracking Number** listed in the upper right hand corner on the reverse side of this form when making file review appointments.



39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

August 18, 2017

Rob Smith
ATC Group Services LLC - West Springfield
73 Williams Franks Drive
West Springfield, MA 01089

Project Location: 285 Lower Sandy Hill Rd., Westfield, MA
Client Job Number:
Project Number: 183EM00170
Laboratory Work Order Number: 17H0194

Enclosed are results of analyses for samples received by the laboratory on August 3, 2017. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

A handwritten signature in black ink that reads "Kerry K. McGee". The signature is written in a cursive, flowing style.

Kerry K. McGee
Project Manager

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

ATC Group Services LLC - West Springfield
 73 Williams Franks Drive
 West Springfield, MA 01089
 ATTN: Rob Smith

REPORT DATE: 8/18/2017

PURCHASE ORDER NUMBER:

PROJECT NUMBER: 183EM00170

ANALYTICAL SUMMARY

WORK ORDER NUMBER: 17H0194

The results of analyses performed on the following samples submitted to the CON-TEST Analytical Laboratory are found in this report.

PROJECT LOCATION: 285 Lower Sandy Hill Rd., Westfield, MA

FIELD SAMPLE #	LAB ID:	MATRIX	SAMPLE DESCRIPTION	TEST	SUB LAB
Trip Blank	17H0194-01	Trip Blank Water		EPA 537	
Field Blank 08	17H0194-02	Drinking Water		EPA 537	
285 EFF-1	17H0194-03	Drinking Water		EPA 200.8	
				EPA 537	
285 Mid-1	17H0194-04	Drinking Water		EPA 200.8	
				EPA 537	
285 Inf-1	17H0194-05	Drinking Water		EPA 200.8	
				EPA 537	



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CASE NARRATIVE SUMMARY

All reported results are within defined laboratory quality control objectives unless listed below or otherwise qualified in this report.

The results of analyses reported only relate to samples submitted to the Con-Test Analytical Laboratory for testing. I certify that the analyses listed above, unless specifically listed as subcontracted, if any, were performed under my direction according to the approved methodologies listed in this document, and that based upon my inquiry of those individuals immediately responsible for obtaining the information, the material contained in this report is, to the best of my knowledge and belief, accurate and complete.

A handwritten signature in black ink, appearing to read "Lisa A. Worthington". The signature is written in a cursive style with a large initial "L".

Lisa A. Worthington
Project Manager



39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 285 Lower Sandy Hill Rd., Westfi

Sample Description:

Work Order: 17H0194

Date Received: 8/3/2017

Field Sample #: Trip Blank

Sampled: 8/3/2017 08:00

Sample ID: 17H0194-01

Sample Matrix: Trip Blank Water

Miscellaneous Organic Analyses

Analyte	Results	MCL/SMCL		Units	Dilution	Flag/Qual	Method	Date	Date/Time	Analyst
		RL	MA ORSG					Prepared	Analyzed	
Perfluoroundecanoic acid (PFUnA)	ND	2.0	2	ng/L	1		EPA 537	8/11/17	8/13/17 16:27	BLM
Perfluorotridecanoic acid (PFTTrDA)	ND	2.0	2	ng/L	1		EPA 537	8/11/17	8/13/17 16:27	BLM
Perfluorotetradecanoic acid (PFTTA)	ND	2.0	2	ng/L	1		EPA 537	8/11/17	8/13/17 16:27	BLM
Perfluorooctanoic acid (PFOA)	ND	2.0	2	ng/L	1		EPA 537	8/11/17	8/13/17 16:27	BLM
Perfluorooctanesulfonic acid (PFOS)	ND	2.0	2	ng/L	1		EPA 537	8/11/17	8/13/17 16:27	BLM
Perfluorononanoic acid (PFNA)	ND	2.0	2	ng/L	1		EPA 537	8/11/17	8/13/17 16:27	BLM
Perfluorohexanoic acid (PFHxA)	ND	2.0	2	ng/L	1		EPA 537	8/11/17	8/13/17 16:27	BLM
Perfluorohexanesulfonic acid (PFHxS)	ND	2.0	2	ng/L	1		EPA 537	8/11/17	8/13/17 16:27	BLM
Perfluoroheptanoic acid (PFHpA)	ND	2.0	2	ng/L	1		EPA 537	8/11/17	8/13/17 16:27	BLM
Perfluorododecanoic acid (PFDoA)	ND	2.0	2	ng/L	1		EPA 537	8/11/17	8/13/17 16:27	BLM
Perfluorodecanoic acid (PFDA)	ND	2.0	2	ng/L	1		EPA 537	8/11/17	8/13/17 16:27	BLM
Perfluorobutanesulfonic acid (PFBS)	ND	2.0	2	ng/L	1		EPA 537	8/11/17	8/13/17 16:27	BLM
NEtFOSAA	ND	2.0		ng/L	1		EPA 537	8/11/17	8/13/17 16:27	BLM
NMeFOSAA	ND	2.0		ng/L	1		EPA 537	8/11/17	8/13/17 16:27	BLM
Surrogates		% Recovery	Recovery Limits			Flag/Qual				
13C-PFHxA		85.9	70-130						8/13/17 16:27	
13C-PFDA		84.3	70-130						8/13/17 16:27	
d5-NEtFOSAA		81.7	70-130						8/13/17 16:27	

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Project Location: 285 Lower Sandy Hill Rd., Westfi

Sample Description:

Work Order: 17H0194

Date Received: 8/3/2017

Field Sample #: Field Blank 08

Sampled: 8/3/2017 10:50

Sample ID: 17H0194-02

Sample Matrix: Drinking Water

Miscellaneous Organic Analyses

Analyte	Results	MCL/SMCL			Units	Dilution	Flag/Qual	Method	Date	Date/Time	Analyst
		RL	MA	ORSG					Prepared	Analyzed	
Perfluoroundecanoic acid (PFUnA)	ND	2.0	2		ng/L	1	EPA 537	8/11/17	8/13/17 16:39	BLM	
Perfluorotridecanoic acid (PFTrDA)	ND	2.0	2		ng/L	1	EPA 537	8/11/17	8/13/17 16:39	BLM	
Perfluorotetradecanoic acid (PFTA)	ND	2.0	2		ng/L	1	EPA 537	8/11/17	8/13/17 16:39	BLM	
Perfluorooctanoic acid (PFOA)	ND	2.0	2		ng/L	1	EPA 537	8/11/17	8/13/17 16:39	BLM	
Perfluorooctanesulfonic acid (PFOS)	ND	2.0	2		ng/L	1	EPA 537	8/11/17	8/13/17 16:39	BLM	
Perfluorononanoic acid (PFNA)	ND	2.0	2		ng/L	1	EPA 537	8/11/17	8/13/17 16:39	BLM	
Perfluorohexanoic acid (PFHxA)	ND	2.0	2		ng/L	1	EPA 537	8/11/17	8/13/17 16:39	BLM	
Perfluorohexanesulfonic acid (PFHxS)	ND	2.0	2		ng/L	1	EPA 537	8/11/17	8/13/17 16:39	BLM	
Perfluoroheptanoic acid (PFHpA)	ND	2.0	2		ng/L	1	EPA 537	8/11/17	8/13/17 16:39	BLM	
Perfluorododecanoic acid (PFDoA)	ND	2.0	2		ng/L	1	EPA 537	8/11/17	8/13/17 16:39	BLM	
Perfluorodecanoic acid (PFDA)	ND	2.0	2		ng/L	1	EPA 537	8/11/17	8/13/17 16:39	BLM	
Perfluorobutanesulfonic acid (PFBS)	ND	2.0	2		ng/L	1	EPA 537	8/11/17	8/13/17 16:39	BLM	
NEtFOSAA	ND	2.0			ng/L	1	EPA 537	8/11/17	8/13/17 16:39	BLM	
NMeFOSAA	ND	2.0			ng/L	1	EPA 537	8/11/17	8/13/17 16:39	BLM	

Surrogates	% Recovery	Recovery Limits	Flag/Qual
13C-PFHxA	100	70-130	8/13/17 16:39
13C-PFDA	109	70-130	8/13/17 16:39
d5-NEtFOSAA	121	70-130	8/13/17 16:39



39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 285 Lower Sandy Hill Rd., Westfi Sample Description:

Work Order: 17H0194

Date Received: 8/3/2017

Field Sample #: 285 EFF-1

Sampled: 8/3/2017 11:00

Sample ID: 17H0194-03

Sample Matrix: Drinking Water

Miscellaneous Organic Analyses

Analyte	Results	MCL/SMCL		Units	Dilution	Flag/Qual	Method	Date	Date/Time	Analyst
		RL	MA ORSG					Prepared	Analyzed	
Perfluoroundecanoic acid (PFUnA)	ND	2.0	2	ng/L	1		EPA 537	8/11/17	8/13/17 18:34	BLM
Perfluorotridecanoic acid (PFTyDA)	ND	2.0	2	ng/L	1		EPA 537	8/11/17	8/13/17 18:34	BLM
Perfluorotetradecanoic acid (PFTA)	ND	2.0	2	ng/L	1		EPA 537	8/11/17	8/13/17 18:34	BLM
Perfluorooctanoic acid (PFOA)	ND	2.0	2	ng/L	1		EPA 537	8/11/17	8/13/17 18:34	BLM
Perfluorooctanesulfonic acid (PFOS)	ND	2.0	2	ng/L	1		EPA 537	8/11/17	8/13/17 18:34	BLM
Perfluorononanoic acid (PFNA)	ND	2.0	2	ng/L	1		EPA 537	8/11/17	8/13/17 18:34	BLM
Perfluorohexanoic acid (PFHxA)	ND	2.0	2	ng/L	1		EPA 537	8/11/17	8/13/17 18:34	BLM
Perfluorohexanesulfonic acid (PFHxS)	ND	2.0	2	ng/L	1		EPA 537	8/11/17	8/13/17 18:34	BLM
Perfluoroheptanoic acid (PFHpA)	ND	2.0	2	ng/L	1		EPA 537	8/11/17	8/13/17 18:34	BLM
Perfluorododecanoic acid (PFDoA)	ND	2.0	2	ng/L	1		EPA 537	8/11/17	8/13/17 18:34	BLM
Perfluorodecanoic acid (PFDA)	ND	2.0	2	ng/L	1		EPA 537	8/11/17	8/13/17 18:34	BLM
Perfluorobutanesulfonic acid (PFBS)	ND	2.0	2	ng/L	1		EPA 537	8/11/17	8/13/17 18:34	BLM
NEtFOSAA	ND	2.0		ng/L	1		EPA 537	8/11/17	8/13/17 18:34	BLM
NMeFOSAA	ND	2.0		ng/L	1		EPA 537	8/11/17	8/13/17 18:34	BLM
Surrogates		% Recovery	Recovery Limits			Flag/Qual				
I3C-PFHxA		81.9	70-130						8/13/17 18:34	
I3C-PFDA		83.0	70-130						8/13/17 18:34	
d5-NEtFOSAA		99.8	70-130						8/13/17 18:34	



39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 285 Lower Sandy Hill Rd., Westfi

Sample Description:

Work Order: 17H0194

Date Received: 8/3/2017

Field Sample #: 285 EFF-1

Sampled: 8/3/2017 11:00

Sample ID: 17H0194-03

Sample Matrix: Drinking Water

Metals Analyses (Total)

Analyte	Results	MCL/SMCL		Units	Dilution	Flag/Qual	Method	Date	Date/Time	Analyst
		RL	MA ORSG					Prepared	Analyzed	
Arsenic	1.6	1.0	10	µg/L	1		EPA 200.8	8/16/17	8/18/17 12:45	WSD



39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 285 Lower Sandy Hill Rd., Westfi

Sample Description:

Work Order: 17H0194

Date Received: 8/3/2017

Field Sample #: 285 Mid-1

Sampled: 8/3/2017 11:05

Sample ID: 17H0194-04

Sample Matrix: Drinking Water

Miscellaneous Organic Analyses

Analyte	Results	MCL/SMCL		Units	Dilution	Flag/Qual	Method	Date	Date/Time	Analyst
		RL	MA ORSG					Prepared	Analyzed	
Perfluoroundecanoic acid (PFUnA)	ND	2.0	2	ng/L	1		EPA 537	8/11/17	8/13/17 19:25	BLM
Perfluorotridecanoic acid (PFTrDA)	ND	2.0	2	ng/L	1		EPA 537	8/11/17	8/13/17 19:25	BLM
Perfluorotetradecanoic acid (PFTA)	ND	2.0	2	ng/L	1		EPA 537	8/11/17	8/13/17 19:25	BLM
Perfluorooctanoic acid (PFOA)	ND	2.0	2	ng/L	1		EPA 537	8/11/17	8/13/17 19:25	BLM
Perfluorooctanesulfonic acid (PFOS)	ND	2.0	2	ng/L	1		EPA 537	8/11/17	8/13/17 19:25	BLM
Perfluorononanoic acid (PFNA)	ND	2.0	2	ng/L	1		EPA 537	8/11/17	8/13/17 19:25	BLM
Perfluorohexanoic acid (PFHxA)	ND	2.0	2	ng/L	1		EPA 537	8/11/17	8/13/17 19:25	BLM
Perfluorohexanesulfonic acid (PFHxS)	ND	2.0	2	ng/L	1		EPA 537	8/11/17	8/13/17 19:25	BLM
Perfluoroheptanoic acid (PFHpA)	ND	2.0	2	ng/L	1		EPA 537	8/11/17	8/13/17 19:25	BLM
Perfluorododecanoic acid (PFDoA)	ND	2.0	2	ng/L	1		EPA 537	8/11/17	8/13/17 19:25	BLM
Perfluorodecanoic acid (PFDA)	ND	2.0	2	ng/L	1		EPA 537	8/11/17	8/13/17 19:25	BLM
Perfluorobutanesulfonic acid (PFBS)	ND	2.0	2	ng/L	1		EPA 537	8/11/17	8/13/17 19:25	BLM
NEtFOSAA	ND	2.0		ng/L	1		EPA 537	8/11/17	8/13/17 19:25	BLM
NMeFOSAA	ND	2.0		ng/L	1		EPA 537	8/11/17	8/13/17 19:25	BLM
Surrogates		% Recovery	Recovery Limits			Flag/Qual				
13C-PFHxA		88.1	70-130					8/13/17	19:25	
13C-PFDA		86.6	70-130					8/13/17	19:25	
d5-NEtFOSAA		103	70-130					8/13/17	19:25	



39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 285 Lower Sandy Hill Rd., Westfi

Sample Description:

Work Order: 17H0194

Date Received: 8/3/2017

Field Sample #: 285 Mid-1

Sampled: 8/3/2017 11:05

Sample ID: 17H0194-04

Sample Matrix: Drinking Water

Metals Analyses (Total)

Analyte	Results	MCL/SMCL		Units	Dilution	Flag/Qual	Method	Date	Date/Time	Analyst
		RL	MA ORSG					Prepared	Analyzed	
Arsenic	1.5	1.0	10	µg/L	1		EPA 200.8	8/16/17	8/18/17 12:55	WSD

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 285 Lower Sandy Hill Rd., Westfi

Sample Description:

Work Order: 17H0194

Date Received: 8/3/2017

Field Sample #: 285 Inf-1

Sampled: 8/3/2017 11:10

Sample ID: 17H0194-05

Sample Matrix: Drinking Water

Miscellaneous Organic Analyses

Analyte	Results	MCL/SMCL		Units	Dilution	Flag/Qual	Method	Date	Date/Time	Analyst
		RL	MA ORSG					Prepared	Analyzed	
Perfluoroundecanoic acid (PFUnA)	ND	2.0	2	ng/L	1		EPA 537	8/11/17	8/13/17 19:38	BLM
Perfluorotridecanoic acid (PFTriDA)	ND	2.0	2	ng/L	1		EPA 537	8/11/17	8/13/17 19:38	BLM
Perfluorotetradecanoic acid (PFTA)	ND	2.0	2	ng/L	1		EPA 537	8/11/17	8/13/17 19:38	BLM
# Perfluorooctanoic acid (PFOA)	130	2.0	2	ng/L	1		EPA 537	8/11/17	8/13/17 19:38	BLM
# Perfluorooctanesulfonic acid (PFOS)	510	10	2	ng/L	5		EPA 537	8/11/17	8/15/17 13:28	BLM
Perfluorononanoic acid (PFNA)	ND	2.0	2	ng/L	1		EPA 537	8/11/17	8/13/17 19:38	BLM
# Perfluorohexanoic acid (PFHxA)	75	2.0	2	ng/L	1		EPA 537	8/11/17	8/13/17 19:38	BLM
# Perfluorohexanesulfonic acid (PFHxS)	240	10	2	ng/L	5		EPA 537	8/11/17	8/15/17 13:28	BLM
# Perfluoroheptanoic acid (PFHpA)	21	2.0	2	ng/L	1		EPA 537	8/11/17	8/13/17 19:38	BLM
Perfluorododecanoic acid (PFDoA)	ND	2.0	2	ng/L	1		EPA 537	8/11/17	8/13/17 19:38	BLM
Perfluorodecanoic acid (PFDA)	ND	2.0	2	ng/L	1		EPA 537	8/11/17	8/13/17 19:38	BLM
# Perfluorobutanesulfonic acid (PFBS)	20	2.0	2	ng/L	1		EPA 537	8/11/17	8/13/17 19:38	BLM
NEtFOSAA	ND	2.0		ng/L	1		EPA 537	8/11/17	8/13/17 19:38	BLM
NMeFOSAA	ND	2.0		ng/L	1		EPA 537	8/11/17	8/13/17 19:38	BLM
Surrogates		% Recovery	Recovery Limits			Flag/Qual				
13C-PFHxA		84.4	70-130						8/13/17 19:38	
13C-PFHxA		74.6	70-130						8/15/17 13:28	
13C-PFDA		81.1	70-130						8/13/17 19:38	
13C-PFDA		70.6	70-130						8/15/17 13:28	
d5-NEtFOSAA		83.9	70-130						8/13/17 19:38	
d5-NEtFOSAA		73.9	70-130						8/15/17 13:28	



39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 285 Lower Sandy Hill Rd., Westfi

Sample Description:

Work Order: 17H0194

Date Received: 8/3/2017

Field Sample #: 285 Inf-1

Sampled: 8/3/2017 11:10

Sample ID: 17H0194-05

Sample Matrix: Drinking Water

Metals Analyses (Total)

Analyte	Results	MCL/SMCL		Units	Dilution	Flag/Qual	Method	Date	Date/Time	Analyst
		RL	MA ORSG					Prepared	Analyzed	
Arsenic	ND	1.0	10	µg/L	1		EPA 200.8	8/16/17	8/18/17 12:58	WSD



39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Sample Extraction Data

Prep Method: EPA 200.8-EPA 200.8

Lab Number [Field ID]	Batch	Initial [mL]	Final [mL]	Date
17H0194-03 [285 EFF-1]	B184268	10.0	10.0	08/16/17
17H0194-04 [285 Mid-1]	B184268	10.0	10.0	08/16/17
17H0194-05 [285 Inf-1]	B184268	10.0	10.0	08/16/17

Prep Method: EPA 537-EPA 537

Lab Number [Field ID]	Batch	Initial [mL]	Final [mL]	Date
17H0194-01 [Trip Blank]	B183913	250	1.00	08/11/17
17H0194-02 [Field Blank 08]	B183913	250	1.00	08/11/17
17H0194-03 [285 EFF-1]	B183913	250	1.00	08/11/17
17H0194-04 [285 Mid-1]	B183913	250	1.00	08/11/17
17H0194-05 [285 Inf-1]	B183913	250	1.00	08/11/17
17H0194-05RE1 [285 Inf-1]	B183913	250	1.00	08/11/17

QUALITY CONTROL

Miscellaneous Organic Analyses - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B183913 - EPA 537										
Blank (B183913-BLK1)										
Prepared: 08/11/17 Analyzed: 08/13/17										
Perfluoroundecanoic acid (PFUnA)	ND	2.0	ng/L							
Perfluorotridecanoic acid (PFTrDA)	ND	2.0	ng/L							
Perfluorotetradecanoic acid (PFTA)	ND	2.0	ng/L							
Perfluorooctanoic acid (PFOA)	ND	2.0	ng/L							
Perfluorooctanesulfonic acid (PFOS)	ND	2.0	ng/L							
Perfluorononanoic acid (PFNA)	ND	2.0	ng/L							
Perfluorohexanoic acid (PFHxA)	ND	2.0	ng/L							
Perfluorohexanesulfonic acid (PFHxS)	ND	2.0	ng/L							
Perfluoroheptanoic acid (PFHpA)	ND	2.0	ng/L							
Perfluorododecanoic acid (PFDoA)	ND	2.0	ng/L							
Perfluorodecanoic acid (PFDA)	ND	2.0	ng/L							
Perfluorobutanesulfonic acid (PFBS)	ND	2.0	ng/L							
NEtFOSAA	ND	2.0	ng/L							
NMeFOSAA	ND	2.0	ng/L							
Surrogate: 13C-PFHxA	39.5		ng/L	40.0		98.7	70-130			
Surrogate: 13C-PFDA	44.3		ng/L	40.0		111	70-130			
Surrogate: d5-NEtFOSAA	188		ng/L	160		118	70-130			
LCS (B183913-BS1)										
Prepared: 08/11/17 Analyzed: 08/13/17										
Perfluoroundecanoic acid (PFUnA)	2.18	2.0	ng/L	2.00		109	50-150			
Perfluorotridecanoic acid (PFTrDA)	2.01	2.0	ng/L	2.00		100	50-150			
Perfluorotetradecanoic acid (PFTA)	2.01	2.0	ng/L	2.00		101	50-150			
Perfluorooctanoic acid (PFOA)	2.20	2.0	ng/L	2.00		110	50-150			
Perfluorooctanesulfonic acid (PFOS)	2.30	2.0	ng/L	1.85		125	50-150			
Perfluorononanoic acid (PFNA)	1.58	2.0	ng/L	2.00		79.2	50-150			
Perfluorohexanoic acid (PFHxA)	1.95	2.0	ng/L	2.00		97.4	50-150			
Perfluorohexanesulfonic acid (PFHxS)	1.74	2.0	ng/L	1.82		95.8	50-150			
Perfluoroheptanoic acid (PFHpA)	1.75	2.0	ng/L	2.00		87.6	50-150			
Perfluorododecanoic acid (PFDoA)	1.80	2.0	ng/L	2.00		89.8	50-150			
Perfluorodecanoic acid (PFDA)	2.13	2.0	ng/L	2.00		106	50-150			
Perfluorobutanesulfonic acid (PFBS)	1.65	2.0	ng/L	1.77		93.3	50-150			
NEtFOSAA	1.59	2.0	ng/L	2.00		79.4	50-150			
NMeFOSAA	1.92	2.0	ng/L	2.00		95.9	50-150			
Surrogate: 13C-PFHxA	34.0		ng/L	40.0		85.1	70-130			
Surrogate: 13C-PFDA	37.3		ng/L	40.0		93.3	70-130			
Surrogate: d5-NEtFOSAA	169		ng/L	160		105	70-130			



39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

QUALITY CONTROL

Metals Analyses (Total) - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC Limits	RPD RPD	RPD Limit	Notes
Batch B184268 - EPA 200.8									
Blank (B184268-BLK1)									
					Prepared: 08/16/17 Analyzed: 08/18/17				
Arsenic	ND	1.0	µg/L						
LCS (B184268-BS1)									
					Prepared: 08/16/17 Analyzed: 08/18/17				
Arsenic	40.4	1.0	µg/L	40.0		101		85-115	
Duplicate (B184268-DUP1)									
					Source: 17H0194-03 Prepared: 08/16/17 Analyzed: 08/18/17				
Arsenic	1.69	1.0	µg/L		1.60		5.74	20	
Duplicate (B184268-DUP2)									
					Source: 17H0194-04 Prepared: 08/16/17 Analyzed: 08/18/17				
Arsenic	1.41	1.0	µg/L		1.48		4.93	20	
Matrix Spike (B184268-MS1)									
					Source: 17H0194-03 Prepared: 08/16/17 Analyzed: 08/18/17				
Arsenic	27.8	1.2	µg/L	25.0	1.60	105		70-130	
Matrix Spike (B184268-MS2)									
					Source: 17H0194-04 Prepared: 08/16/17 Analyzed: 08/18/17				
Arsenic	27.2	1.2	µg/L	25.0	1.48	103		70-130	



39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

FLAG/QUALIFIER SUMMARY

*	QC result is outside of established limits.
†	Wide recovery limits established for difficult compound.
‡	Wide RPD limits established for difficult compound.
#	Data exceeded client recommended or regulatory level
ND	Not Detected
RL	Reporting Limit
DL	Method Detection Limit
MCL	Maximum Contaminant Level

Percent recoveries and relative percent differences (RPDs) are determined by the software using values in the calculation which have not been rounded.

No results have been blank subtracted unless specified in the case narrative section.



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CERTIFICATIONS

Certified Analyses included in this Report

Analyte	Certifications
<i>EPA 200.8 in Drinking Water</i>	
Arsenic	CT,MA,NH,NY,RI,NC,ME,VA
<i>EPA 537 in Drinking Water</i>	
Perfluorooctanoic acid (PFOA)	NH,NY
Perfluorooctanesulfonic acid (PFOS)	NH,NY

The CON-TEST Environmental Laboratory operates under the following certifications and accreditations:

Code	Description	Number	Expires
AIHA	AIHA-LAP, LLC - ISO17025:2005	100033	02/1/2018
MA	Massachusetts DEP	M-MA100	06/30/2018
CT	Connecticut Department of Public Health	PH-0567	09/30/2017
NY	New York State Department of Health	10899 NELAP	04/1/2018
NH-S	New Hampshire Environmental Lab	2516 NELAP	02/5/2018
RI	Rhode Island Department of Health	LAO00112	12/30/2017
NC	North Carolina Div. of Water Quality	652	12/31/2017
NJ	New Jersey DEP	MA007 NELAP	06/30/2018
FL	Florida Department of Health	E871027 NELAP	06/30/2018
VT	Vermont Department of Health Lead Laboratory	LL015036	07/30/2018
ME	State of Maine	2011028	06/9/2019
VA	Commonwealth of Virginia	460217	12/14/2017
NH-P	New Hampshire Environmental Lab	2557 NELAP	09/6/2017
VT-DW	Vermont Department of Health Drinking Water	VT-255716	06/12/2018
NC-DW	North Carolina Department of Health	25703	07/31/2018

1740194
http://www.contestlabs.com
CHAIN OF CUSTODY RECORD
39 Spruce Street
East Longmeadow, MA 01028



Doc # 381 Rev 1_03242017
Page 1 of 1

Company Name: ATC Group Services
Address: 73 William Franks Drive, West Springfield, MA
Phone: (413) 781-0070
Project Name: 285 Lower Sandy Hill Rd, Westfield
Project Location: 285 Lower Sandy Hill Rd, Westfield
Project Number: 183EM00170
Project Manager: Rob Smith
Con-Test Quote Name/Number:
Invoice Recipient:
Sampled By: Joseph Bolduc

Requested Turnaround Time: 10-Day
Due Date: 5-day TAT
Rush-Approval Required:
Data Delivery: PDF EXCEL
Other:
CLP Like Data Pkg Required:
Email To: rob.smith@atccassociates.com
Fax To #:

Con-Test Work Order #	Client Sample ID / Description	Beginning Date/Time	Ending Date/Time	Composites	Grab	Matrix Code	Conc Code
01	Trip blank	8/3/2017	800		X	DW	U
02	field blank 08	8/3/2017	1050		X	DW	U
03	285 EFF-1	8/3/2017	1100		X	DW	U
04	285 Mid-1	8/3/2017	1105		X	DW	U
05	285 Inf-1	8/5/2017	1110		X	DW	U

ANALYSIS REQUESTED

EPA METHOD 537
TOTAL As

Matrix Codes:
 GW = Ground Water
 WW = Waste Water
 DW = Drinking Water
 A = Air
 S = Soil
 SL = Sludge
 SOL = Solid
 O = Other (please define)

Preservation Codes:
 I = Iced
 H = HCL
 M = Methanol
 N = Nitric Acid
 S = Sulfuric Acid
 B = Sodium Bisulfate
 X = Sodium Hydroxide
 T = Sodium Thiosulfate
 O = Other (please define)
 TRIZMA

Container Codes:
 A = Amber Glass
 G = Glass
 P = Plastic
 ST = Sterile
 V = Vial
 S = Summa Canister
 T = Tedlar Bag
 O = Other (please define)

PCB ONLY
 Soxhlet
 Non Soxhlet

Please use the following codes to indicate possible sample concentration within the Conc Code column above:
 H - High; M - Medium; L - Low; C - Clean; U - Unknown

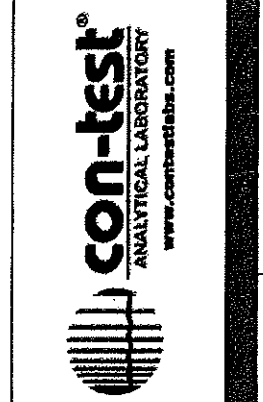
Relinquished by: (signature) *Joseph Bolduc* Date/Time: 8-3-17 1420
Received by: (signature) *Joseph Bolduc* Date/Time: 8-3-17 1420
Relinquished by: (signature) *Joseph Bolduc* Date/Time: 8-3-17 1420
Received by: (signature) *Joseph Bolduc* Date/Time: 8-3-17 1420

Detection Limit Requirements:
 MA MCP Required
 MCP Certification Form Required
 CT RCP Required
 RCP Certification Form Required
 MA State DW Required

Special Requirements:
 MWRA School MBTA
 WRTA
 Chromatogram
 AHA-LAP, LLC

Project Entity:
 Government
 Federal
 City
 Municipality
 21 J
 Brownfield

PWSID #



39 Spruce St.
 East Longmeadow, MA. 01028
 P: 413-525-2332
 F: 413-525-6405
 www.contestlabs.com



Doc# 277 Rev 5 2017

Login Sample Receipt Checklist - (Rejection Criteria Listing - Using Acceptance Policy) Any False Statement will be brought to the attention of the Client - State True or False

Client ATC
 Received By RLT Date 8/3/17 Time 1420
 How were the samples received? In Cooler T No Cooler _____ On Ice T No Ice _____
 Direct from Sampling T Ambient _____ Melted Ice _____
 Were samples within Temperature? 2-6°C F By Gun # 1 Actual Temp - 7.6°C
 By Blank # _____ Actual Temp - _____
 Was Custody Seal Intact? NA Were Samples Tampered with? F
 Was COC Relinquished? T Does Chain Agree With Samples? T
 Are there broken/leaking/loose caps on any samples? F
 Is COC in ink/ Legible? T Were samples received within holding time? T
 Did COC include all pertinent information? Client T Analysis T Sampler Name T
 Project T ID's T Collection Dates/Times T
 Are Sample labels filled out and legible? T
 Are there Lab to Filters? F Who was notified? _____
 Are there Rushes? F Who was notified? _____
 Are there Short Holds? F Who was notified? _____
 Is there enough Volume? T
 Is there Headspace where applicable? NA MS/MSD? NA
 Proper Media/Containers Used? T Is splitting samples required? F
 Were trip blanks received? T On COC? T
 Do all samples have the proper pH? Acid T Base NA

Vials	#	Containers:	#	#	#
Unp-		1 Liter Amb.		1 Liter Plastic	16 oz Amb.
HCL-		500 mL Amb.		500 mL Plastic	8oz Amb/Clear
Meoh-		250 mL Amb.		250 mL Plastic	4oz Amb/Clear
Bisulfate-		Col./Bacteria		Flashpoint	2oz Amb/Clear
DI-		Other Plastic		Other Glass	Encore
Thiosulfate-		SOC Kit		Plastic Bag	Frozen:
Sulfuric-		Perchlorate		Ziplock	

Unused Media

Vials	#	Containers:	#	#	#
Unp-		1 Liter Amb.		1 Liter Plastic	16 oz Amb.
HCL-		500 mL Amb.		500 mL Plastic	8oz Amb/Clear
Meoh-		250 mL Amb.		250 mL Plastic	4oz Amb/Clear
Bisulfate-		Col./Bacteria		Flashpoint	2oz Amb/Clear
DI-		Other Plastic		Other Glass	Encore
Thiosulfate-		SOC Kit		Plastic Bag	Frozen:
Sulfuric-		Perchlorate		Ziplock	

Comments:

samples were direct from sampling, client is aware.



Commonwealth of Massachusetts
Executive Office of Energy & Environmental Affairs

Department of Environmental Protection

Western Regional Office • 436 Dwight Street, Springfield MA 01103 • 413-784-1100

Charles D. Baker
Governor

Karyn E. Polito
Lieutenant Governor

Matthew A. Beaton
Secretary

Martin Suuberg
Commissioner

September 13, 2017

Eladio Lopez & Lillian Mojica
281 Lower Sandy Hill Road
Westfield, MA 01085

Re: Notice of Environmental Sampling
281 Lower Sandy Hill Road
Westfield Private Well Sampling
Westfield, RTN 1-20093

Dear Mr. Lopez & Ms. Mojica:

The Department of Environmental Protection (DEP) collected influent, mid-fluent, and effluent, samples on August 1, 2017 from the drinking water treatment system installed in your home on July 19, 2017. Quality control samples including field and trip blanks were also collected during the sampling event. The purpose of the sampling was to confirm the treatment system is removing perfluorinated alkylated substances (PFAS) from your drinking water. The influent sample measures the concentration of PFAS in the untreated water being drawn from your private well. The mid-fluent sample measures PFAS concentrations in water after initial treatment in the first carbon vessel. The detection of PFAS compounds in this sample would indicate that the first carbon vessel is no longer removing PFAS compounds and needs to be replaced. The effluent sample measures the concentrations of PFAS compounds in the water in your home taps. The aforementioned samples were also analyzed for arsenic which is initially present in the carbon from the manufacturing process but is flushed from the system by water passing through the carbon units.

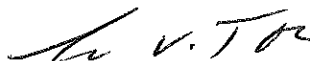
The treatment system sampling results indicate the treatment system is removing PFAS from your drinking water. The PFAS concentrations detected in the influent sample are consistent with earlier sampling results. PFAS compounds were not detected in the mid-fluent sample. Perfluorooctanoic acid (PFOA) was detected in effluent sample at 4.3 ppt. The detection of PFOA in this sample is likely do to the use of untreated tap water to hydrate the carbon and should dissipate quickly. Trace concentrations of arsenic were detected in the mid-fluent and effluent samples at concentrations well below the Drinking Water Standard of 10 parts per billion ($\mu\text{g/l}$).

Notice of Environmental Sampling
281 Lower Sandy Hill Road
Westfield, RTN 1-20093
September 13, 2017
Page 2 of 2

As part of the operation, maintenance, and monitoring of the drinking water treatment system, sampling will be continued on a quarterly schedule. If you experience any issues with your water (i.e. loss of water pressure) please contact us. Again, the Department thanks you for granting access to your property.

If you have any questions pertaining to this Notice of Environmental Sampling or with the information contained within, please feel free to contact David Bachand at (413) 755-2221 or Cynthia Pawloski at (413) 755-2247.

Sincerely,



Eva Tor
Deputy Regional Director
Bureau of Waste Site Cleanup

Attachments: Notice of Environmental Sampling (BWSC-123)
Laboratory Report

Ecc: Mayor, City of Westfield
Barnes ANG-John Richardson
Barnes Aquifer Protection Committee
Westfield DPW – David Billips
Westfield Health Department
Dr. Marc A. Nascarella, Ph.D/DPH

cc:
Denise Andler, DEP WERO
Data Entry: FOLOFF, FOLFLD



Massachusetts Department of Environmental Protection
Bureau of Waste Site Cleanup

BWSC123

This Notice is Related to:
Release Tracking Number

NOTICE OF ENVIRONMENTAL SAMPLING

As required by 310 CMR 40.1403(10) of the Massachusetts Contingency Plan

1 - 20093

A. The address of the disposal site related to this Notice and Release Tracking Number (provided above):

1. Street Address: 175 Falcon Drive
City/Town: Westfield Zip Code: 01085

B. This notice is being provided to the following party:

1. Name: Eladio Lopez & Lillian Mojica
2. Street Address: 281 Lower Sandy Hill Road
City/Town: Westfield Zip Code: 01085

C. This notice is being given to inform its recipient (the party listed in Section B):

- 1. That environmental sampling will be/has been conducted at property owned by the recipient of this notice.
- 2. Of the results of environmental sampling conducted at property owned by the recipient of this notice.
- 3. Check to indicate if the analytical results are attached. (If item 2. above is checked, the analytical results from the environmental sampling must be attached to this notice.)

D. Location of the property where the environmental sampling will be/has been conducted:

1. Street Address: 281 Lower Sandy Hill Road
City/Town: Westfield Zip Code: 01085

2. MCP phase of work during which the sampling will be/has been conducted:

- | | |
|---|--|
| <input checked="" type="checkbox"/> Immediate Response Action | <input type="checkbox"/> Phase III Feasibility Evaluation |
| <input type="checkbox"/> Release Abatement Measure | <input type="checkbox"/> Phase IV Remedy Implementation Plan |
| <input type="checkbox"/> Utility-related Abatement Measure | <input type="checkbox"/> Phase V/Remedy Operation Status |
| <input type="checkbox"/> Phase I Initial Site Investigation | <input type="checkbox"/> Post-Temporary Solution Operation, Maintenance and Monitoring |
| <input type="checkbox"/> Phase II Comprehensive Site Assessment | <input type="checkbox"/> Other _____
(specify) |

3. Description of property where sampling will be/has been conducted:

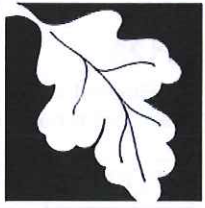
- residential commercial industrial school/playground Other _____
(specify)

4. Description of the sampling locations and types (e.g., soil, groundwater, indoor air, soil gas) to the extent known at the time of this notice.

Influent, mid-fluent, and effluent water samples were collected from the the point of entry drinking water treatment system installed at the above-reference residence to confirm the system is removing PFAS from the well water.

E. Contact information related to the party providing this notice:

Contact Name: David Bachand
Street Address: 436 Dwight Street
City/Town: Springfield Zip Code: 01103
Telephone: (413) 755-2221 Email: david.bachand.jr@state.ma.us



NOTICE OF ENVIRONMENTAL SAMPLING

1 - 20093

As required by 310 CMR 40.1403(10) of the Massachusetts Contingency Plan

MASSACHUSETTS REGULATIONS THAT REQUIRE THIS NOTICE

This notice is being provided pursuant to the Massachusetts Contingency Plan and the notification requirement at 310 CMR 40.1403(10). The Massachusetts Contingency Plan is a state regulation that specifies requirements for parties who are taking actions to address releases of chemicals (oil or hazardous material) to the environment.

THE PERSON(S) PROVIDING THIS NOTICE

This notice has been sent to you by the party who is addressing a release of oil or hazardous material to the environment at the location listed in **Section A** on the reverse side of this form. (The regulations refer to the area where the oil or hazardous material is present as the "disposal site".)

PURPOSE OF THIS NOTICE

When environmental samples are taken as part of an investigation of a release for which a notification to MassDEP has been made under the Massachusetts Contingency Plan (310 CMR 40.0300) on behalf of someone other than the owner of the property, the regulations require that the property owner (listed in **Section B** on the reverse side of this form) be given notice of the environmental sampling. The regulations also require that the property owner subsequently receive the analytical results following the analysis of the environmental samples.

Section C on the reverse side of this form indicates the circumstance under which you are receiving this notice at this time. If you are receiving this notice to inform you of the analytical results following the analysis of the environmental samples, you should also have received, as an attachment, a copy of analytical results. These results should indicate the number and type(s) of samples (e.g., soil, groundwater) analyzed, any chemicals identified, and the measured concentrations of those chemicals.

Section D on the reverse side of this form identifies the property where the environmental sampling will be/has been conducted, provides a description of the sampling locations within the property, and indicates the phase of work under the Massachusetts Contingency Plan regulatory process during which the samples will be/were collected.

FOR MORE INFORMATION

Information about the general process for addressing releases of oil or hazardous material under the Massachusetts Contingency Plan and related public involvement opportunities may be found at <http://www.mass.gov/eea/agencies/massdep/cleanup>. For more information regarding this notice, you may contact the party listed in **Section E** on the reverse side of this form. Information about the disposal site identified in Section A is also available in files at the Massachusetts Department of Environmental Protection. See <http://public.dep.state.ma.us/SearchableSites2/Search.aspx> to view site-specific files on-line or <http://mass.gov/eea/agencies/massdep/about/contacts/conduct-a-file-review.html> if you would like to make an appointment to see these files in person. Please reference the **Release Tracking Number** listed in the upper right hand corner on the reverse side of this form when making file review appointments.



39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

August 15, 2017

Rob Smith
ATC Group Services LLC - West Springfield
73 Williams Franks Drive
West Springfield, MA 01089

Project Location: 281 Lower Sandy Hill Rd, Westfield
Client Job Number:
Project Number: 183EM00170
Laboratory Work Order Number: 17H0056

Enclosed are results of analyses for samples received by the laboratory on August 1, 2017. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

A handwritten signature in black ink that reads "Kerry K. McGee". The signature is written in a cursive style with a large initial 'K' and a distinct 'M'.

Kerry K. McGee
Project Manager

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

ATC Group Services LLC - West Springfield
 73 Williams Franks Drive
 West Springfield, MA 01089
 ATTN: Rob Smith

REPORT DATE: 8/15/2017

PURCHASE ORDER NUMBER:

PROJECT NUMBER: 183EM00170

ANALYTICAL SUMMARY

WORK ORDER NUMBER: 17H0056

The results of analyses performed on the following samples submitted to the CON-TEST Analytical Laboratory are found in this report.

PROJECT LOCATION: 281 Lower Sandy Hill Rd, Westfield

FIELD SAMPLE #	LAB ID:	MATRIX	SAMPLE DESCRIPTION	TEST	SUB LAB
Trip Blank	17H0056-01	Trip Blank Water		EPA 537	
Field Blank 09	17H0056-02	Field Blank		EPA 537	
281 EFF-1	17H0056-03	Drinking Water		EPA 200.8 EPA 537	
281 Mid-1	17H0056-04	Drinking Water		EPA 200.8 EPA 537	
281 Inf-1	17H0056-05	Drinking Water		EPA 200.8 EPA 537	



39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

CASE NARRATIVE SUMMARY

All reported results are within defined laboratory quality control objectives unless listed below or otherwise qualified in this report.

The results of analyses reported only relate to samples submitted to the Con-Test Analytical Laboratory for testing. I certify that the analyses listed above, unless specifically listed as subcontracted, if any, were performed under my direction according to the approved methodologies listed in this document, and that based upon my inquiry of those individuals immediately responsible for obtaining the information, the material contained in this report is, to the best of my knowledge and belief, accurate and complete.

A handwritten signature in black ink, appearing to read "Lisa A. Worthington". The signature is written in a cursive, flowing style.

Lisa A. Worthington
Project Manager



39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 281 Lower Sandy Hill Rd, Westfie

Sample Description:

Work Order: 17H0056

Date Received: 8/1/2017

Field Sample #: Trip Blank

Sampled: 8/1/2017 08:00

Sample ID: 17H0056-01

Sample Matrix: Trip Blank Water

Miscellaneous Organic Analyses

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date	Date/Time	Analyst
							Prepared	Analyzed	
Perfluoroundecanoic acid (PFUnA)	ND	2.0	ng/L	1		EPA 537	8/11/17	8/13/17 15:48	BLM
Perfluorotridecanoic acid (PFTyDA)	ND	2.0	ng/L	1		EPA 537	8/11/17	8/13/17 15:48	BLM
Perfluorotetradecanoic acid (PFTA)	ND	2.0	ng/L	1		EPA 537	8/11/17	8/13/17 15:48	BLM
Perfluorooctanoic acid (PFOA)	ND	2.0	ng/L	1		EPA 537	8/11/17	8/13/17 15:48	BLM
Perfluorooctanesulfonic acid (PFOS)	ND	2.0	ng/L	1		EPA 537	8/11/17	8/13/17 15:48	BLM
Perfluorononanoic acid (PFNA)	ND	2.0	ng/L	1		EPA 537	8/11/17	8/13/17 15:48	BLM
Perfluorohexanoic acid (PFHxA)	ND	2.0	ng/L	1		EPA 537	8/11/17	8/13/17 15:48	BLM
Perfluorohexanesulfonic acid (PFHxS)	ND	2.0	ng/L	1		EPA 537	8/11/17	8/13/17 15:48	BLM
Perfluoroheptanoic acid (PFHpA)	ND	2.0	ng/L	1		EPA 537	8/11/17	8/13/17 15:48	BLM
Perfluorododecanoic acid (PFDoA)	ND	2.0	ng/L	1		EPA 537	8/11/17	8/13/17 15:48	BLM
Perfluorodecanoic acid (PFDA)	ND	2.0	ng/L	1		EPA 537	8/11/17	8/13/17 15:48	BLM
Perfluorobutanesulfonic acid (PFBS)	ND	2.0	ng/L	1		EPA 537	8/11/17	8/13/17 15:48	BLM
NEtFOSAA	ND	2.0	ng/L	1		EPA 537	8/11/17	8/13/17 15:48	BLM
NMeFOSAA	ND	2.0	ng/L	1		EPA 537	8/11/17	8/13/17 15:48	BLM
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
13C-PFHxA		97.8	70-130					8/13/17 15:48	
13C-PFDA		112	70-130					8/13/17 15:48	
d5-NEtFOSAA		120	70-130					8/13/17 15:48	

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 281 Lower Sandy Hill Rd, Westfie Sample Description:

Work Order: 17H0056

Date Received: 8/1/2017

Field Sample #: Field Blank 09

Sampled: 8/1/2017 09:20

Sample ID: 17H0056-02

Sample Matrix: Field Blank

Miscellaneous Organic Analyses

Analyte	Results	MCL/SMCL			Units	Dilution	Flag/Qual	Method	Date	Date/Time	Analyst
		RL	MA	ORSG					Prepared	Analyzed	
Perfluoroundecanoic acid (PFUnA)	ND	2.0	2		ng/L	1	EPA 537	8/11/17	8/13/17 16:01	BLM	
Perfluorotridecanoic acid (PFTrDA)	ND	2.0	2		ng/L	1	EPA 537	8/11/17	8/13/17 16:01	BLM	
Perfluorotetradecanoic acid (PFTA)	ND	2.0	2		ng/L	1	EPA 537	8/11/17	8/13/17 16:01	BLM	
Perfluorooctanoic acid (PFOA)	ND	2.0	2		ng/L	1	EPA 537	8/11/17	8/13/17 16:01	BLM	
Perfluorooctanesulfonic acid (PFOS)	ND	2.0	2		ng/L	1	EPA 537	8/11/17	8/13/17 16:01	BLM	
Perfluorononanoic acid (PFNA)	ND	2.0	2		ng/L	1	EPA 537	8/11/17	8/13/17 16:01	BLM	
Perfluorohexanoic acid (PFHxA)	ND	2.0	2		ng/L	1	EPA 537	8/11/17	8/13/17 16:01	BLM	
Perfluorohexanesulfonic acid (PFHxS)	ND	2.0	2		ng/L	1	EPA 537	8/11/17	8/13/17 16:01	BLM	
Perfluoroheptanoic acid (PFHpA)	ND	2.0	2		ng/L	1	EPA 537	8/11/17	8/13/17 16:01	BLM	
Perfluorododecanoic acid (PFDoA)	ND	2.0	2		ng/L	1	EPA 537	8/11/17	8/13/17 16:01	BLM	
Perfluorodecanoic acid (PFDA)	ND	2.0	2		ng/L	1	EPA 537	8/11/17	8/13/17 16:01	BLM	
Perfluorobutanesulfonic acid (PFBS)	ND	2.0	2		ng/L	1	EPA 537	8/11/17	8/13/17 16:01	BLM	
NEtFOSAA	ND	2.0			ng/L	1	EPA 537	8/11/17	8/13/17 16:01	BLM	
NMeFOSAA	ND	2.0			ng/L	1	EPA 537	8/11/17	8/13/17 16:01	BLM	

Surrogates	% Recovery	Recovery Limits	Flag/Qual
13C-PFHxA	98.1	70-130	8/13/17 16:01
13C-PFDA	110	70-130	8/13/17 16:01
d5-NEtFOSAA	120	70-130	8/13/17 16:01



39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 281 Lower Sandy Hill Rd, Westfie Sample Description:

Work Order: 17H0056

Date Received: 8/1/2017

Field Sample #: 281 EFF-1

Sampled: 8/1/2017 09:40

Sample ID: 17H0056-03

Sample Matrix: Drinking Water

Miscellaneous Organic Analyses

Analyte	Results	MCL/SMCL		Units	Dilution	Flag/Qual	Method	Date	Date/Time	Analyst
		RL	MA ORSG					Prepared	Analyzed	
Perfluoroundecanoic acid (PFUnA)	ND	2.0	2	ng/L	1		EPA 537	8/11/17	8/13/17 17:05	BLM
Perfluorotridecanoic acid (PFTrDA)	ND	2.0	2	ng/L	1		EPA 537	8/11/17	8/13/17 17:05	BLM
Perfluorotetradecanoic acid (PFTA)	ND	2.0	2	ng/L	1		EPA 537	8/11/17	8/13/17 17:05	BLM
# Perfluorooctanoic acid (PFOA)	4.3	2.0	2	ng/L	1		EPA 537	8/11/17	8/13/17 17:05	BLM
Perfluorooctanesulfonic acid (PFOS)	ND	2.0	2	ng/L	1		EPA 537	8/11/17	8/13/17 17:05	BLM
Perfluorononanoic acid (PFNA)	ND	2.0	2	ng/L	1		EPA 537	8/11/17	8/13/17 17:05	BLM
Perfluorohexanoic acid (PFHxA)	ND	2.0	2	ng/L	1		EPA 537	8/11/17	8/13/17 17:05	BLM
Perfluorohexanesulfonic acid (PFHxS)	ND	2.0	2	ng/L	1		EPA 537	8/11/17	8/13/17 17:05	BLM
Perfluoroheptanoic acid (PFHpA)	ND	2.0	2	ng/L	1		EPA 537	8/11/17	8/13/17 17:05	BLM
Perfluorododecanoic acid (PFDoA)	ND	2.0	2	ng/L	1		EPA 537	8/11/17	8/13/17 17:05	BLM
Perfluorodecanoic acid (PFDA)	ND	2.0	2	ng/L	1		EPA 537	8/11/17	8/13/17 17:05	BLM
Perfluorobutanesulfonic acid (PFBS)	ND	2.0	2	ng/L	1		EPA 537	8/11/17	8/13/17 17:05	BLM
NEtFOSAA	ND	2.0		ng/L	1		EPA 537	8/11/17	8/13/17 17:05	BLM
NMeFOSAA	ND	2.0		ng/L	1		EPA 537	8/11/17	8/13/17 17:05	BLM
Surrogates		% Recovery	Recovery Limits			Flag/Qual				
13C-PFHxA		80.9	70-130						8/13/17 17:05	
13C-PFDA		84.7	70-130						8/13/17 17:05	
d5-NEtFOSAA		93.7	70-130						8/13/17 17:05	

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 281 Lower Sandy Hill Rd, Westfie

Sample Description:

Work Order: 17H0056

Date Received: 8/1/2017

Field Sample #: 281 EFF-1

Sampled: 8/1/2017 09:40

Sample ID: 17H0056-03

Sample Matrix: Drinking Water

Metals Analyses (Total)

Analyte	Results	MCL/SMCL		Units	Dilution	Flag/Qual	Method	Date	Date/Time	Analyst
		RL	MA ORSG					Prepared	Analyzed	
Arsenic	1.9	1.0	10	µg/L	1		EPA 200.8	8/14/17	8/15/17 10:56	WSD



39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 281 Lower Sandy Hill Rd, Westfie Sample Description:

Work Order: 17H0056

Date Received: 8/1/2017

Field Sample #: 281 Mid-1

Sampled: 8/1/2017 09:45

Sample ID: 17H0056-04

Sample Matrix: Drinking Water

Miscellaneous Organic Analyses

Analyte	Results	MCL/SMCL		Units	Dilution	Flag/Qual	Method	Date	Date/Time	Analyst
		RL	MA ORSG					Prepared	Analyzed	
Perfluoroundecanoic acid (PFUnA)	ND	2.0	2	ng/L	1		EPA 537	8/11/17	8/13/17 17:43	BLM
Perfluorotridecanoic acid (PFTriDA)	ND	2.0	2	ng/L	1		EPA 537	8/11/17	8/13/17 17:43	BLM
Perfluorotetradecanoic acid (PFTA)	ND	2.0	2	ng/L	1		EPA 537	8/11/17	8/13/17 17:43	BLM
Perfluorooctanoic acid (PFOA)	ND	2.0	2	ng/L	1		EPA 537	8/11/17	8/13/17 17:43	BLM
Perfluorooctanesulfonic acid (PFOS)	ND	2.0	2	ng/L	1		EPA 537	8/11/17	8/13/17 17:43	BLM
Perfluorononanoic acid (PFNA)	ND	2.0	2	ng/L	1		EPA 537	8/11/17	8/13/17 17:43	BLM
Perfluorohexanoic acid (PFHxA)	ND	2.0	2	ng/L	1		EPA 537	8/11/17	8/13/17 17:43	BLM
Perfluorohexanesulfonic acid (PFHxS)	ND	2.0	2	ng/L	1		EPA 537	8/11/17	8/13/17 17:43	BLM
Perfluoroheptanoic acid (PFHpA)	ND	2.0	2	ng/L	1		EPA 537	8/11/17	8/13/17 17:43	BLM
Perfluorododecanoic acid (PFDoA)	ND	2.0	2	ng/L	1		EPA 537	8/11/17	8/13/17 17:43	BLM
Perfluorodecanoic acid (PFDA)	ND	2.0	2	ng/L	1		EPA 537	8/11/17	8/13/17 17:43	BLM
Perfluorobutanesulfonic acid (PFBS)	ND	2.0	2	ng/L	1		EPA 537	8/11/17	8/13/17 17:43	BLM
NEtFOSAA	ND	2.0		ng/L	1		EPA 537	8/11/17	8/13/17 17:43	BLM
NMeFOSAA	ND	2.0		ng/L	1		EPA 537	8/11/17	8/13/17 17:43	BLM

Surrogates	% Recovery	Recovery Limits	Flag/Qual
13C-PFHxA	80.9	70-130	8/13/17 17:43
13C-PFDA	80.8	70-130	8/13/17 17:43
d5-NEtFOSAA	89.1	70-130	8/13/17 17:43

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL, 413/525-2332

Project Location: 281 Lower Sandy Hill Rd, Westfie

Sample Description:

Work Order: 17H0056

Date Received: 8/1/2017

Field Sample #: 281 Mid-1

Sampled: 8/1/2017 09:45

Sample ID: 17H0056-04

Sample Matrix: Drinking Water

Metals Analyses (Total)

Analyte	Results	MCL/SMCL		Units	Dilution	Flag/Qual	Method	Date	Date/Time	Analyst
		RL	MA ORSG					Prepared	Analyzed	
Arsenic	5.8	1.0	10	µg/L	1		EPA 200.8	8/14/17	8/15/17 11:07	WSD



39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 281 Lower Sandy Hill Rd, Westfic

Sample Description:

Work Order: 17H0056

Date Received: 8/1/2017

Field Sample #: 281 Inf-1

Sampled: 8/1/2017 09:50

Sample ID: 17H0056-05

Sample Matrix: Drinking Water

Miscellaneous Organic Analyses

Analyte	Results	MCL/SMCL		Units	Dilution	Flag/Qual	Method	Date	Date/Time	Analyst
		RL	MA ORSG					Prepared	Analyzed	
Perfluoroundecanoic acid (PFUnA)	ND	2.0	2	ng/L	1		EPA 537	8/11/17	8/13/17 19:50	BLM
Perfluorotridecanoic acid (PFTrDA)	ND	2.0	2	ng/L	1		EPA 537	8/11/17	8/13/17 19:50	BLM
Perfluorotetradecanoic acid (PFTA)	ND	2.0	2	ng/L	1		EPA 537	8/11/17	8/13/17 19:50	BLM
# Perfluorooctanoic acid (PFOA)	43	2.0	2	ng/L	1		EPA 537	8/11/17	8/13/17 19:50	BLM
# Perfluorooctanesulfonic acid (PFOS)	30	2.0	2	ng/L	1		EPA 537	8/11/17	8/13/17 19:50	BLM
Perfluorononanoic acid (PFNA)	ND	2.0	2	ng/L	1		EPA 537	8/11/17	8/13/17 19:50	BLM
# Perfluorohexanoic acid (PFHxA)	30	2.0	2	ng/L	1		EPA 537	8/11/17	8/13/17 19:50	BLM
# Perfluorotexanesulfonic acid (PFHxS)	120	2.0	2	ng/L	1		EPA 537	8/11/17	8/13/17 19:50	BLM
# Perfluoroheptanoic acid (PFHpA)	7.3	2.0	2	ng/L	1		EPA 537	8/11/17	8/13/17 19:50	BLM
Perfluorododecanoic acid (PFDoA)	ND	2.0	2	ng/L	1		EPA 537	8/11/17	8/13/17 19:50	BLM
Perfluorodecanoic acid (PFDA)	ND	2.0	2	ng/L	1		EPA 537	8/11/17	8/13/17 19:50	BLM
# Perfluorobutanesulfonic acid (PFBS)	8.4	2.0	2	ng/L	1		EPA 537	8/11/17	8/13/17 19:50	BLM
NEtFOSAA	ND	2.0		ng/L	1		EPA 537	8/11/17	8/13/17 19:50	BLM
NMeFOSAA	ND	2.0		ng/L	1		EPA 537	8/11/17	8/13/17 19:50	BLM
Surrogates		% Recovery	Recovery Limits			Flag/Qual				
13C-PFHxA		83.2	70-130						8/13/17 19:50	
13C-PFDA		72.3	70-130						8/13/17 19:50	
d5-NEtFOSAA		88.8	70-130						8/13/17 19:50	

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 281 Lower Sandy Hill Rd, Westfie

Sample Description:

Work Order: 17H0056

Date Received: 8/1/2017

Field Sample #: 281 Inf-1

Sampled: 8/1/2017 09:50

Sample ID: 17H0056-05

Sample Matrix: Drinking Water

Metals Analyses (Total)

Analyte	Results	MCL/SMCL		Units	Dilution	Flag/Qual	Method	Date	Date/Time	Analyst
		RL	MA ORSG					Prepared	Analyzed	
Arsenic	4.1	1.0	10	µg/L	1		EPA 200.8	8/14/17	8/15/17 11:11	WSD



39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Sample Extraction Data

Prep Method: EPA 200.8-EPA 200.8

Lab Number [Field ID]	Batch	Initial [mL]	Final [mL]	Date
17H0056-03 [281 EFF-1]	B184074	10.0	10.0	08/14/17
17H0056-04 [281 Mid-1]	B184074	10.0	10.0	08/14/17
17H0056-05 [281 Inf-1]	B184074	10.0	10.0	08/14/17

Prep Method: EPA 537-EPA 537

Lab Number [Field ID]	Batch	Initial [mL]	Final [mL]	Date
17H0056-01 [Trip Blank]	B183913	250	1.00	08/11/17
17H0056-02 [Field Blank 09]	B183913	250	1.00	08/11/17
17H0056-03 [281 EFF-1]	B183913	250	1.00	08/11/17
17H0056-04 [281 Mid-1]	B183913	250	1.00	08/11/17
17H0056-05 [281 Inf-1]	B183913	250	1.00	08/11/17

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

QUALITY CONTROL

Miscellaneous Organic Analyses - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B183913 - EPA 537										
Blank (B183913-BLK1)										
Prepared: 08/11/17 Analyzed: 08/13/17										
Perfluoroundecanoic acid (PFUnA)	ND	2.0	ng/L							
Perfluorotridecanoic acid (PFTrDA)	ND	2.0	ng/L							
Perfluorotetradecanoic acid (PFTA)	ND	2.0	ng/L							
Perfluorooctanoic acid (PFOA)	ND	2.0	ng/L							
Perfluorooctanesulfonic acid (PFOS)	ND	2.0	ng/L							
Perfluorononanoic acid (PFNA)	ND	2.0	ng/L							
Perfluorohexanoic acid (PFHxA)	ND	2.0	ng/L							
Perfluorohexanesulfonic acid (PFHxS)	ND	2.0	ng/L							
Perfluoroheptanoic acid (PFHpA)	ND	2.0	ng/L							
Perfluorododecanoic acid (PFDoA)	ND	2.0	ng/L							
Perfluorodecanoic acid (PFDA)	ND	2.0	ng/L							
Perfluorobutanesulfonic acid (PFBS)	ND	2.0	ng/L							
NEtFOSAA	ND	2.0	ng/L							
NMeFOSAA	ND	2.0	ng/L							
Surrogate: 13C-PFHxA	39.5		ng/L	40.0		98.7	70-130			
Surrogate: 13C-PFDA	44.3		ng/L	40.0		111	70-130			
Surrogate: d5-NEtFOSAA	188		ng/L	160		118	70-130			
LCS (B183913-BS1)										
Prepared: 08/11/17 Analyzed: 08/13/17										
Perfluoroundecanoic acid (PFUnA)	2.18	2.0	ng/L	2.00		109	50-150			
Perfluorotridecanoic acid (PFTrDA)	2.01	2.0	ng/L	2.00		100	50-150			
Perfluorotetradecanoic acid (PFTA)	2.01	2.0	ng/L	2.00		101	50-150			
Perfluorooctanoic acid (PFOA)	2.20	2.0	ng/L	2.00		110	50-150			
Perfluorooctanesulfonic acid (PFOS)	2.30	2.0	ng/L	1.85		125	50-150			
Perfluorononanoic acid (PFNA)	1.58	2.0	ng/L	2.00		79.2	50-150			
Perfluorohexanoic acid (PFHxA)	1.95	2.0	ng/L	2.00		97.4	50-150			
Perfluorohexanesulfonic acid (PFHxS)	1.74	2.0	ng/L	1.82		95.8	50-150			
Perfluoroheptanoic acid (PFHpA)	1.75	2.0	ng/L	2.00		87.6	50-150			
Perfluorododecanoic acid (PFDoA)	1.80	2.0	ng/L	2.00		89.8	50-150			
Perfluorodecanoic acid (PFDA)	2.13	2.0	ng/L	2.00		106	50-150			
Perfluorobutanesulfonic acid (PFBS)	1.65	2.0	ng/L	1.77		93.3	50-150			
NEtFOSAA	1.59	2.0	ng/L	2.00		79.4	50-150			
NMeFOSAA	1.92	2.0	ng/L	2.00		95.9	50-150			
Surrogate: 13C-PFHxA	34.0		ng/L	40.0		85.1	70-130			
Surrogate: 13C-PFDA	37.3		ng/L	40.0		93.3	70-130			
Surrogate: d5-NEtFOSAA	169		ng/L	160		105	70-130			



39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

QUALITY CONTROL

Metals Analyses (Total) - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B184074 - EPA 200.8										
Blank (B184074-BLK1)										
					Prepared: 08/14/17 Analyzed: 08/15/17					
Arsenic	ND	1.0	µg/L							
LCS (B184074-BS1)										
					Prepared: 08/14/17 Analyzed: 08/15/17					
Arsenic	42.2	1.0	µg/L	40.0		105	85-115			
Duplicate (B184074-DUP1)										
					Source: 17H0056-03 Prepared: 08/14/17 Analyzed: 08/15/17					
Arsenic	1.82	1.0	µg/L		1.86			2.14	20	
Duplicate (B184074-DUP2)										
					Source: 17H0056-04 Prepared: 08/14/17 Analyzed: 08/15/17					
Arsenic	6.77	1.0	µg/L		5.84			14.8	20	
Matrix Spike (B184074-MS1)										
					Source: 17H0056-03 Prepared: 08/14/17 Analyzed: 08/15/17					
Arsenic	26.6	1.2	µg/L	25.0	1.86	99.0	70-130			
Matrix Spike (B184074-MS2)										
					Source: 17H0056-04 Prepared: 08/14/17 Analyzed: 08/15/17					
Arsenic	30.8	1.2	µg/L	25.0	5.84	99.8	70-130			

FLAG/QUALIFIER SUMMARY

*	QC result is outside of established limits.
†	Wide recovery limits established for difficult compound.
‡	Wide RPD limits established for difficult compound.
#	Data exceeded client recommended or regulatory level
ND	Not Detected
RL	Reporting Limit
DL	Method Detection Limit
MCL	Maximum Contaminant Level

Percent recoveries and relative percent differences (RPDs) are determined by the software using values in the calculation which have not been rounded.

No results have been blank subtracted unless specified in the case narrative section.



39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

CERTIFICATIONS

Certified Analyses included in this Report

Analyte	Certifications
<i>EPA 200.8 in Drinking Water</i>	
Arsenic	CT,MA,NH,NY,RI,NC,ME,VA
<i>EPA 537 in Drinking Water</i>	
Perfluorooctanoic acid (PFOA)	NH,NY
Perfluorooctanesulfonic acid (PFOS)	NH,NY

The CON-TEST Environmental Laboratory operates under the following certifications and accreditations:

Code	Description	Number	Expires
AIHA	AIHA-LAP, LLC - ISO17025:2005	100033	02/1/2018
MA	Massachusetts DEP	M-MA100	06/30/2018
CT	Connecticut Department of Public Health	PH-0567	09/30/2017
NY	New York State Department of Health	10899 NELAP	04/1/2018
NH-S	New Hampshire Environmental Lab	2516 NELAP	02/5/2018
RI	Rhode Island Department of Health	LAO00112	12/30/2017
NC	North Carolina Div. of Water Quality	652	12/31/2017
NJ	New Jersey DEP	MA007 NELAP	06/30/2018
FL	Florida Department of Health	E871027 NELAP	06/30/2018
VT	Vermont Department of Health Lead Laboratory	LL015036	07/30/2018
ME	State of Maine	2011028	06/9/2019
VA	Commonwealth of Virginia	460217	12/14/2017
NH-P	New Hampshire Environmental Lab	2557 NELAP	09/6/2017
VT-DW	Vermont Department of Health Drinking Water	VT-255716	06/12/2018
NC-DW	North Carolina Department of Health	25703	07/31/2018

http://www.contestlabs.com
 CHAIN OF CUSTODY RECORD

17H0050
 Phone: 413-525-2332
 Fax: 413-525-6405
 Email: info@contestlabs.com



Company Name: ATC Group Services
Address: 73 William Franks Drive, West Springfield, MA
Phone: (413) 781-0070
Project Name: 281 Lower Sandy Hill Rd, Westfield
Project Location: 281 Lower Sandy Hill Rd, Westfield
Project Number: 183EM00170
Project Manager: Rob Smith
Con-Test Quote Name/Number:
Invoice Recipient: Joseph Bolduc
Sampled By:

Con-Test Work Order #	Client Sample ID / Description	Beginning Date/Time	Ending Date/Time	Composite	Grab	Matrix Code	Conc Code
01	Trip blank	8/1/2017	800		X	DW	U
02	field blank 09	8/1/2017	920		X	DW	U
03	281 EFF-1	8/1/2017	940		X	DW	U
04	281 Mid-1	8/1/2017	945		X	DW	U
05	281 Inf-1	8/1/2017	950		X	DW	U

Requested Turnaround Time: 7-Day 10-Day
Due Date: 5-day TAT
Rush Approval Required: 1-Day 3-Day 2-Day 4-Day
Data Delivery: Format: PDF EXCEL
Other:
CLP Like Data Pkg Required:
Email To: rob.smith@atcassociates.com
Fax To #:

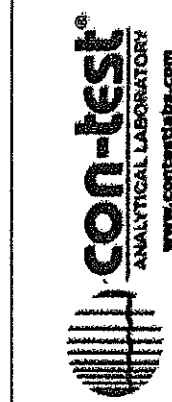
ANALYSIS REQUESTED
 TOTAL As, Fe, HARDNESS, TOC
 EPA METHOD 537

Matrix Codes:
 GW = Ground Water
 WW = Waste Water
 DW = Drinking Water
 A = Air
 S = Soil
 SL = Sludge
 SOL = Solid
 O = Other (please define)

Preservation Codes:
 J = Iced
 H = HCL
 M = Methanol
 N = Nitric Acid
 S = Sulfuric Acid
 B = Sodium Bisulfate
 X = Sodium Hydroxide
 T = Thiou sulfate
 O = Other (please define)
 TRIZMA

Container Codes:
 A = Amber Glass
 G = Glass
 P = Plastic
 ST = Sterile
 V = Vial
 S = Summa Canister
 T = Tedlar Bag
 O = Other (please define)

PCB ONLY
 Soxhlet
 Non Soxhlet



Please use the following codes to indicate possible sample concentration within the Conc Code column above:
 H - High; M - Medium; L - Low; C - Clean; U - Unknown

Detection Limit Requirements: MA MA MCP Required
 MCP Certification Form Required
 CT RCP Required
 RCP Certification Form Required
 MA State DW Required

Special Requirements:

Project Entity:
 Government
 Federal
 City
 Municipality
 21 J
 Brownfield
 MWRA
 School
 MBTA
 WRTA
 Chromatogram
 AIHA-LAP, LLC
 Other

Relinquished by (signature): [Signature] Date/Time: 8-1-17 13:30
Received by (signature): [Signature] Date/Time: 8/1/17 13:30
Relinquished by (signature): [Signature] Date/Time: 17:16
Received by (signature): [Signature] Date/Time:
Relinquished by (signature): [Signature] Date/Time:
Received by (signature): [Signature] Date/Time:

39 Spruce St.
 East Longmeadow, MA. 01028
 P: 413-525-2332
 F: 413-525-6405
 www.contestlabs.com



Doc# 277 Rev 5 2017

Login Sample Receipt Checklist - (Rejection Criteria Listing - Using Acceptance Policy) Any False Statement will be brought to the attention of the Client - State True or False

Client ATC
 Received By RLF Date 8/11/17 Time 1330
 How were the samples received? In Cooler T No Cooler _____ On Ice T No Ice _____
 Direct from Sampling T Ambient _____ Melted Ice _____
 Were samples within Temperature? 2-6°C F By Gun # 7 Actual Temp - 17.1°C
 By Blank # _____ Actual Temp - _____
 Was Custody Seal Intact? NA Were Samples Tampered with? F
 Was COC Relinquished? T Does Chain Agree With Samples? T
 Are there broken/leaking/loose caps on any samples? F
 Is COC in ink/ Legible? T Were samples received within holding time? T
 Did COC include all pertinent information? Client T Analysis T Sampler Name T
 Project T ID's T Collection Dates/Times T
 Are Sample labels filled out and legible? T
 Are there Lab to Filters? F Who was notified? _____
 Are there Rushes? F Who was notified? _____
 Are there Short Holds? F Who was notified? _____
 Is there enough Volume? T
 Is there Headspace where applicable? NA MS/MSD? NA
 Proper Media/Containers Used? T Is splitting samples required? F
 Were trip blanks received? T On COC? T
 Do all samples have the proper pH? Acid T Base NA

Vials	#	Containers	#	#	#	#
Unp-		1 Liter Amb.		1 Liter Plastic		16 oz Amb.
HCL-		500 mL Amb.		500 mL Plastic		8oz Amb/Clear
Meoh-		250 mL Amb.		250 mL Plastic	11	4oz Amb/Clear
Bisulfate-		Col./Bacteria		Flashpoint		2oz Amb/Clear
DI-		Other Plastic		Other Glass		Encore
Thiosulfate-		SOC Kit		Plastic Bag		Frozen:
Sulfuric-		Perchlorate		Ziplock		

Unused Media

Vials	#	Containers	#	#	#	#
Unp-		1 Liter Amb.		1 Liter Plastic		16 oz Amb.
HCL-		500 mL Amb.		500 mL Plastic		8oz Amb/Clear
Meoh-		250 mL Amb.		250 mL Plastic		4oz Amb/Clear
Bisulfate-		Col./Bacteria		Flashpoint		2oz Amb/Clear
DI-		Other Plastic		Other Glass		Encore
Thiosulfate-		SOC Kit		Plastic Bag		Frozen:
Sulfuric-		Perchlorate		Ziplock		

Comments:



Commonwealth of Massachusetts
Executive Office of Energy & Environmental Affairs

Department of Environmental Protection

Western Regional Office • 436 Dwight Street, Springfield MA 01103 • 413-784-1100

Charles D. Baker
Governor

Karyn E. Polito
Lieutenant Governor

Matthew A. Beaton
Secretary

Martin Suuberg
Commissioner

September 13, 2017

Scott and Tracey Burke
678 North Road
Westfield, MA 01085

RE: Notice of Environmental Sampling
678 North Road
Westfield Private Well Sampling

Dear Scott and Tracey Burke:

The Department of Environmental Protection (DEP) collected a drinking water sample from your private well on August 8, 2017. The purpose of the sampling was to investigate whether your well has been affected by a release of perfluorinated compounds (PFCs) to local groundwater. The sample was sent to a certified laboratory and analyzed for PFC compounds by modified United States Protection Agency (EPA) Method 317.1. EPA has established a Lifetime Health Advisory level at 70 parts per trillion (ppt), for two specific compounds which have been the most extensively used and studied, PFOA (perfluorooctanoic acid) and PFOS (perfluorooctane sulfonic acid). If both PFOA and PFOS are identified in drinking water the combined concentrations are compared to the 70 ppt health advisory level. The Health Advisory offers a margin of protection from a lifetime of exposure to PFOA and PFOS for all individuals from adverse health effects resulting from exposure from PFOA and PFOS in drinking water. ¹

The sampling result indicated a total PFOA and PFOS concentration of 10.4 ppt in the drinking water sample. The results of a duplicate sample confirmed these results. This concentration is well below the health advisory level of 70 ppt. Based on the low concentrations of PFC compounds detected in the sample collected from your well, no further action, including additional sampling and/or mitigation measures (i.e. bottled water) are required at this time. However, additional sampling may be required in the future. The Department thanks you for granting access to your property.

This information is available in alternate format. Contact Michelle Waters-Ekanem, Director of Diversity/Civil Rights at 617-292-5751.

TTY# MassRelay Service 1-800-439-2370

MassDEP Website: www.mass.gov/dep

Printed on Recycled Paper

If you have any questions pertaining to this Notice of Environmental Sampling or with the information contained within, please feel free to contact David Bachand at (413) 755-2221 or Cynthia Pawloski at (413) 755-2247.

Sincerely,



Eva Tor
Deputy Regional Director
Bureau of Waste Site Cleanup

¹ Fact Sheet PFOA & PFOS Drinking Water Health Advisories. EPA, EPA 800 F-16-003, June 2016

Attachments: Notice of Environmental Sampling (BWSC-123)
Laboratory Report

cc : Mayor, City of Westfield
Barnes ANG-John Richardson
Barnes Aquifer Protection Committee
Westfield DPW – David Billips
Westfield Health Department
Westfield Councilor Mary Ann Babinski
Dr. Marc A. Nascarella, Ph.D/DPH

cc:

Denise Andler, DEP WERO
Data Entry: FOLOFF, FOLFLD



NOTICE OF ENVIRONMENTAL SAMPLING

As required by 310 CMR 40.1403(10) of the Massachusetts Contingency Plan

1 - 20093

A. The address of the disposal site related to this Notice and Release Tracking Number (provided above):

1. Street Address: 175 Falcon Drive
City/Town: Westfield Zip Code: 01085

B. This notice is being provided to the following party:

1. Name: Scott & Tracy Burke
2. Street Address: 678 North Road
City/Town: Westfield Zip Code: 01085

C. This notice is being given to inform its recipient (the party listed in Section B):

- 1. That environmental sampling will be/has been conducted at property owned by the recipient of this notice.
- 2. Of the results of environmental sampling conducted at property owned by the recipient of this notice.
- 3. Check to indicate if the analytical results are attached. (If item 2. above is checked, the analytical results from the environmental sampling must be attached to this notice.)

D. Location of the property where the environmental sampling will be/has been conducted:

1. Street Address: 678 North Road
City/Town: Westfield Zip Code: 01085

2. MCP phase of work during which the sampling will be/has been conducted:

- | | |
|---|--|
| <input checked="" type="checkbox"/> Immediate Response Action | <input type="checkbox"/> Phase III Feasibility Evaluation |
| <input type="checkbox"/> Release Abatement Measure | <input type="checkbox"/> Phase IV Remedy Implementation Plan |
| <input type="checkbox"/> Utility-related Abatement Measure | <input type="checkbox"/> Phase V/Remedy Operation Status |
| <input type="checkbox"/> Phase I Initial Site Investigation | <input type="checkbox"/> Post-Temporary Solution Operation, Maintenance and Monitoring |
| <input type="checkbox"/> Phase II Comprehensive Site Assessment | <input type="checkbox"/> Other _____
(specify) |

3. Description of property where sampling will be/has been conducted:

- residential commercial industrial school/playground Other _____
(specify)

4. Description of the sampling locations and types (e.g., soil, groundwater, indoor air, soil gas) to the extent known at the time of this notice.

Drinking water samples were collected from the private well located on the above-referenced property and analyzed for PHAS compounds via EPA Method 537.1

E. Contact information related to the party providing this notice:

Contact Name: Department of Environmental Protection
Street Address: 436 Dwight Street
City/Town: Springfield Zip Code: 01103
Telephone: (413) 755-2221 Email: david.bachand.jr@state.ma.us



Massachusetts Department of Environmental Protection
Bureau of Waste Site Cleanup

BWSC123

This Notice is Related to:
Release Tracking Number

NOTICE OF ENVIRONMENTAL SAMPLING

1 - 20093

As required by 310 CMR 40.1403(10) of the Massachusetts Contingency Plan

MASSACHUSETTS REGULATIONS THAT REQUIRE THIS NOTICE

This notice is being provided pursuant to the Massachusetts Contingency Plan and the notification requirement at 310 CMR 40.1403(10). The Massachusetts Contingency Plan is a state regulation that specifies requirements for parties who are taking actions to address releases of chemicals (oil or hazardous material) to the environment.

THE PERSON(S) PROVIDING THIS NOTICE

This notice has been sent to you by the party who is addressing a release of oil or hazardous material to the environment at the location listed in **Section A** on the reverse side of this form. (The regulations refer to the area where the oil or hazardous material is present as the "disposal site".)

PURPOSE OF THIS NOTICE

When environmental samples are taken as part of an investigation of a release for which a notification to MassDEP has been made under the Massachusetts Contingency Plan (310 CMR 40.0300) on behalf of someone other than the owner of the property, the regulations require that the property owner (listed in **Section B** on the reverse side of this form) be given notice of the environmental sampling. The regulations also require that the property owner subsequently receive the analytical results following the analysis of the environmental samples.

Section C on the reverse side of this form indicates the circumstance under which you are receiving this notice at this time. If you are receiving this notice to inform you of the analytical results following the analysis of the environmental samples, you should also have received, as an attachment, a copy of analytical results. These results should indicate the number and type(s) of samples (e.g., soil, groundwater) analyzed, any chemicals identified, and the measured concentrations of those chemicals.

Section D on the reverse side of this form identifies the property where the environmental sampling will be/has been conducted, provides a description of the sampling locations within the property, and indicates the phase of work under the Massachusetts Contingency Plan regulatory process during which the samples will be/were collected.

FOR MORE INFORMATION

Information about the general process for addressing releases of oil or hazardous material under the Massachusetts Contingency Plan and related public involvement opportunities may be found at <http://www.mass.gov/eea/agencies/massdep/cleanup>. For more information regarding this notice, you may contact the party listed in **Section E** on the reverse side of this form. Information about the disposal site identified in Section A is also available in files at the Massachusetts Department of Environmental Protection. See <http://public.dep.state.ma.us/SearchableSites2/Search.aspx> to view site-specific files on-line or <http://mass.gov/eea/agencies/massdep/about/contacts/conduct-a-file-review.html> if you would like to make an appointment to see these files in person. Please reference the **Release Tracking Number** listed in the upper right hand corner on the reverse side of this form when making file review appointments.


August 25, 2017

Rob Smith
ATC Group Services LLC - West Springfield
73 Williams Franks Drive
West Springfield, MA 01089

Project Location: 678 North Rd., Westfield
Client Job Number:
Project Number: 183EM00170
Laboratory Work Order Number: 17H0509

Enclosed are results of analyses for samples received by the laboratory on August 8, 2017. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

A handwritten signature in black ink that reads "Kerry K. McGee".

Kerry K. McGee
Project Manager

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

ATC Group Services LLC - West Springfield
73 Williams Franks Drive
West Springfield, MA 01089
ATTN: Rob Smith

REPORT DATE: 8/25/2017

PURCHASE ORDER NUMBER:

PROJECT NUMBER: 183EM00170

ANALYTICAL SUMMARY

WORK ORDER NUMBER: 17H0509

The results of analyses performed on the following samples submitted to the CON-TEST Analytical Laboratory are found in this report.

PROJECT LOCATION: 678 North Rd., Westfield

FIELD SAMPLE #	LAB ID:	MATRIX	SAMPLE DESCRIPTION	TEST	SUB LAB
678 North Rd.- Field Blank	17H0509-01	Field Blank		EPA 537	
678 North Rd. Rd.-1	17H0509-02	Drinking Water		EPA 537	
678 North Rd. Rd.-2	17H0509-03	Drinking Water		EPA 537	



39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

CASE NARRATIVE SUMMARY

All reported results are within defined laboratory quality control objectives unless listed below or otherwise qualified in this report.

The results of analyses reported only relate to samples submitted to the Con-Test Analytical Laboratory for testing. I certify that the analyses listed above, unless specifically listed as subcontracted, if any, were performed under my direction according to the approved methodologies listed in this document, and that based upon my inquiry of those individuals immediately responsible for obtaining the information, the material contained in this report is, to the best of my knowledge and belief, accurate and complete.

A handwritten signature in black ink, appearing to read "Lisa A. Worthington". The signature is fluid and cursive, written over a white background.

Lisa A. Worthington
Project Manager

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 678 North Rd., Westfield

Sample Description:

Work Order: 17H0509

Date Received: 8/8/2017

Field Sample #: 678 North Rd.- Field Blank

Sampled: 8/8/2017 13:47

Sample ID: 17H0509-01

Sample Matrix: Field Blank

Miscellaneous Organic Analyses

Analyte	Results	MCL/SMCL			Units	Dilution	Flag/Qual	Method	Date	Date/Time	Analyst
		RL	MA	ORSG					Prepared	Analyzed	
Perfluoroundecanoic acid (PFUnA)	ND	2.0	2		ng/L	1	EPA 537	8/13/17	8/15/17 21:53	BLM	
Perfluorotridecanoic acid (PFTrDA)	ND	2.0	2		ng/L	1	EPA 537	8/13/17	8/15/17 21:53	BLM	
Perfluorotetradecanoic acid (PFTA)	ND	2.0	2		ng/L	1	EPA 537	8/13/17	8/15/17 21:53	BLM	
Perfluorooctanoic acid (PFOA)	ND	2.0	2		ng/L	1	EPA 537	8/13/17	8/15/17 21:53	BLM	
Perfluorooctanesulfonic acid (PFOS)	ND	2.0	2		ng/L	1	EPA 537	8/13/17	8/15/17 21:53	BLM	
Perfluorononanoic acid (PFNA)	ND	2.0	2		ng/L	1	EPA 537	8/13/17	8/15/17 21:53	BLM	
Perfluorohexanoic acid (PFHxA)	ND	2.0	2		ng/L	1	EPA 537	8/13/17	8/15/17 21:53	BLM	
Perfluorohexanesulfonic acid (PFHxS)	ND	2.0	2		ng/L	1	EPA 537	8/13/17	8/15/17 21:53	BLM	
Perfluoroheptanoic acid (PFHpA)	ND	2.0	2		ng/L	1	EPA 537	8/13/17	8/15/17 21:53	BLM	
Perfluorododecanoic acid (PFDoA)	ND	2.0	2		ng/L	1	EPA 537	8/13/17	8/15/17 21:53	BLM	
Perfluorodecanoic acid (PFDA)	ND	2.0	2		ng/L	1	EPA 537	8/13/17	8/15/17 21:53	BLM	
Perfluorobutanesulfonic acid (PFBS)	ND	2.0	2		ng/L	1	EPA 537	8/13/17	8/15/17 21:53	BLM	
NEtFOSAA	ND	2.0			ng/L	1	EPA 537	8/13/17	8/15/17 21:53	BLM	
NMeFOSAA	ND	2.0			ng/L	1	EPA 537	8/13/17	8/15/17 21:53	BLM	
Surrogates		% Recovery	Recovery Limits			Flag/Qual					
13C-PFHxA		119	70-130					8/15/17	21:53		
13C-PFDA		97.2	70-130					8/15/17	21:53		
d5-NEtFOSAA		128	70-130					8/15/17	21:53		



39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 678 North Rd., Westfield

Sample Description:

Work Order: 17H0509

Date Received: 8/8/2017

Field Sample #: 678 North Rd. Rd.-1

Sampled: 8/8/2017 14:00

Sample ID: 17H0509-02

Sample Matrix: Drinking Water

Miscellaneous Organic Analyses

Analyte	Results	MCL/SMCL		Units	Dilution	Flag/Qual	Method	Date	Date/Time	Analyst
		RL	MA ORSG					Prepared	Analyzed	
Perfluoroundecanoic acid (PFUnA)	ND	2.0	2	ng/L	1		EPA 537	8/13/17	8/15/17 22:06	BLM
Perfluorotridecanoic acid (PFTriDA)	ND	2.0	2	ng/L	1		EPA 537	8/13/17	8/15/17 22:06	BLM
Perfluorotetradecanoic acid (PFTA)	ND	2.0	2	ng/L	1		EPA 537	8/13/17	8/15/17 22:06	BLM
# Perfluorooctanoic acid (PFOA)	4.4	2.0	2	ng/L	1		EPA 537	8/13/17	8/15/17 22:06	BLM
# Perfluorooctanesulfonic acid (PFOS)	6.0	2.0	2	ng/L	1		EPA 537	8/13/17	8/15/17 22:06	BLM
Perfluorononanoic acid (PFNA)	ND	2.0	2	ng/L	1		EPA 537	8/13/17	8/15/17 22:06	BLM
# Perfluorohexanoic acid (PFHxA)	3.3	2.0	2	ng/L	1		EPA 537	8/13/17	8/15/17 22:06	BLM
# Perfluorohexanesulfonic acid (PFHxS)	9.0	2.0	2	ng/L	1		EPA 537	8/13/17	8/15/17 22:06	BLM
Perfluoroheptanoic acid (PFHpA)	ND	2.0	2	ng/L	1		EPA 537	8/13/17	8/15/17 22:06	BLM
Perfluorododecanoic acid (PFDoA)	ND	2.0	2	ng/L	1		EPA 537	8/13/17	8/15/17 22:06	BLM
Perfluorodecanoic acid (PFDA)	ND	2.0	2	ng/L	1		EPA 537	8/13/17	8/15/17 22:06	BLM
Perfluorobutanesulfonic acid (PFBS)	ND	2.0	2	ng/L	1		EPA 537	8/13/17	8/15/17 22:06	BLM
NEtFOSAA	ND	2.0		ng/L	1		EPA 537	8/13/17	8/15/17 22:06	BLM
NMeFOSAA	ND	2.0		ng/L	1		EPA 537	8/13/17	8/15/17 22:06	BLM
Surrogates		% Recovery	Recovery Limits			Flag/Qual				
13C-PFHxA		130	70-130						8/15/17 22:06	
13C-PFDA		92.8	70-130						8/15/17 22:06	
d5-NEtFOSAA		119	70-130						8/15/17 22:06	



39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 678 North Rd., Westfield

Sample Description:

Work Order: 17H0509

Date Received: 8/8/2017

Field Sample #: 678 North Rd. Rd.-2

Sampled: 8/8/2017 14:02

Sample ID: 17H0509-03

Sample Matrix: Drinking Water

Miscellaneous Organic Analyses

Analyte	Results	MCL/SMCL		Units	Dilution	Flag/Qual	Method	Date	Date/Time	Analyst
		RL	MA ORSG					Prepared	Analyzed	
Perfluoroundecanoic acid (PFUnA)	ND	2.0	2	ng/L	1		EPA 537	8/13/17	8/15/17 22:18	BLM
Perfluorotridecanoic acid (PFTrDA)	ND	2.0	2	ng/L	1		EPA 537	8/13/17	8/15/17 22:18	BLM
Perfluorotetradecanoic acid (PFTA)	ND	2.0	2	ng/L	1		EPA 537	8/13/17	8/15/17 22:18	BLM
# Perfluorooctanoic acid (PFOA)	4.1	2.0	2	ng/L	1		EPA 537	8/13/17	8/15/17 22:18	BLM
# Perfluorooctanesulfonic acid (PFOS)	5.9	2.0	2	ng/L	1		EPA 537	8/13/17	8/15/17 22:18	BLM
Perfluorononanoic acid (PFNA)	ND	2.0	2	ng/L	1		EPA 537	8/13/17	8/15/17 22:18	BLM
# Perfluorohexanoic acid (PFHxA)	3.4	2.0	2	ng/L	1		EPA 537	8/13/17	8/15/17 22:18	BLM
# Perfluorohexanesulfonic acid (PFHxS)	8.0	2.0	2	ng/L	1		EPA 537	8/13/17	8/15/17 22:18	BLM
Perfluoroheptanoic acid (PFHpA)	ND	2.0	2	ng/L	1		EPA 537	8/13/17	8/15/17 22:18	BLM
Perfluorododecanoic acid (PFDoA)	ND	2.0	2	ng/L	1		EPA 537	8/13/17	8/15/17 22:18	BLM
Perfluorodecanoic acid (PFDA)	ND	2.0	2	ng/L	1		EPA 537	8/13/17	8/15/17 22:18	BLM
Perfluorobutanesulfonic acid (PFBS)	ND	2.0	2	ng/L	1		EPA 537	8/13/17	8/15/17 22:18	BLM
NEtFOSAA	ND	2.0		ng/L	1		EPA 537	8/13/17	8/15/17 22:18	BLM
NMeFOSAA	ND	2.0		ng/L	1		EPA 537	8/13/17	8/15/17 22:18	BLM
Surrogates		% Recovery	Recovery Limits			Flag/Qual				
13C-PFHxA		128	70-130					8/15/17	22:18	
13C-PFDA		110	70-130					8/15/17	22:18	
d5-NEtFOSAA		125	70-130					8/15/17	22:18	



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Sample Extraction Data

Prep Method: EPA 537-EPA 537

Lab Number [Field ID]	Batch	Initial [mL]	Final [mL]	Date
17H0509-01 [678 North Rd.- Field Blank]	B183955	250	1.00	08/13/17
17H0509-02 [678 North Rd. Rd.-1]	B183955	250	1.00	08/13/17
17H0509-03 [678 North Rd. Rd.-2]	B183955	250	1.00	08/13/17

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QUALITY CONTROL

Miscellaneous Organic Analyses - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC %REC	Limit	RPD	RPD Limit	Notes
Batch B183955 - EPA 537										
Blank (B183955-BLK1)										
Prepared: 08/13/17 Analyzed: 08/15/17										
Perfluoroundecanoic acid (PFUnA)	ND	2.0	ng/L							
Perfluorotridecanoic acid (PFTrDA)	ND	2.0	ng/L							
Perfluorotetradecanoic acid (PFTA)	ND	2.0	ng/L							
Perfluorooctanoic acid (PFOA)	ND	2.0	ng/L							
Perfluorooctanesulfonic acid (PFOS)	ND	2.0	ng/L							
Perfluorononanoic acid (PFNA)	ND	2.0	ng/L							
Perfluorohexanoic acid (PFHxA)	ND	2.0	ng/L							
Perfluorohexanesulfonic acid (PFHxS)	ND	2.0	ng/L							
Perfluoroheptanoic acid (PFHpA)	ND	2.0	ng/L							
Perfluorododecanoic acid (PFDoA)	ND	2.0	ng/L							
Perfluorodecanoic acid (PFDA)	ND	2.0	ng/L							
Perfluorobutanesulfonic acid (PFBS)	ND	2.0	ng/L							
NEtFOSAA	ND	2.0	ng/L							
NMeFOSAA	ND	2.0	ng/L							
Surrogate: 13C-PFHxA	47.9		ng/L	40.0		120			70-130	
Surrogate: 13C-PFDA	41.6		ng/L	40.0		104			70-130	
Surrogate: d5-NEtFOSAA	207		ng/L	160		129			70-130	
LCS (B183955-BS1)										
Prepared: 08/13/17 Analyzed: 08/16/17										
Perfluoroundecanoic acid (PFUnA)	25.6	2.0	ng/L	20.0		128			70-130	
Perfluorotridecanoic acid (PFTrDA)	21.1	2.0	ng/L	20.0		105			70-130	
Perfluorotetradecanoic acid (PFTA)	21.5	2.0	ng/L	20.0		107			70-130	
Perfluorooctanoic acid (PFOA)	18.9	2.0	ng/L	20.0		94.6			70-130	
Perfluorooctanesulfonic acid (PFOS)	20.2	2.0	ng/L	18.5		109			70-130	
Perfluorononanoic acid (PFNA)	16.7	2.0	ng/L	20.0		83.5			70-130	
Perfluorohexanoic acid (PFHxA)	20.4	2.0	ng/L	20.0		102			70-130	
Perfluorohexanesulfonic acid (PFHxS)	18.8	2.0	ng/L	18.2		103			70-130	
Perfluoroheptanoic acid (PFHpA)	18.7	2.0	ng/L	20.0		93.7			70-130	
Perfluorododecanoic acid (PFDoA)	20.8	2.0	ng/L	20.0		104			70-130	
Perfluorodecanoic acid (PFDA)	21.4	2.0	ng/L	20.0		107			70-130	
Perfluorobutanesulfonic acid (PFBS)	18.3	2.0	ng/L	17.7		103			70-130	
NEtFOSAA	22.1	2.0	ng/L	20.0		111			70-130	
NMeFOSAA	21.1	2.0	ng/L	20.0		106			70-130	
Surrogate: 13C-PFHxA	35.9		ng/L	40.0		89.8			70-130	
Surrogate: 13C-PFDA	37.8		ng/L	40.0		94.5			70-130	
Surrogate: d5-NEtFOSAA	167		ng/L	160		105			70-130	



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FLAG/QUALIFIER SUMMARY

*	QC result is outside of established limits.
†	Wide recovery limits established for difficult compound.
‡	Wide RPD limits established for difficult compound.
#	Data exceeded client recommended or regulatory level
ND	Not Detected
RL	Reporting Limit
DL	Method Detection Limit
MCL	Maximum Contaminant Level

Percent recoveries and relative percent differences (RPDs) are determined by the software using values in the calculation which have not been rounded.

No results have been blank subtracted unless specified in the case narrative section.

CERTIFICATIONS

Certified Analyses included in this Report

Analyte	Certifications
---------	----------------

EPA 537 in Drinking Water

Perfluorooctanoic acid (PFOA)	NH,NY
Perfluorooctanesulfonic acid (PFOS)	NH,NY

The CON-TEST Environmental Laboratory operates under the following certifications and accreditations:

Code	Description	Number	Expires
AIHA	AIHA-LAP, LLC - ISO17025:2005	100033	02/1/2018
MA	Massachusetts DEP	M-MA100	06/30/2018
CT	Connecticut Department of Public Health	PH-0567	09/30/2017
NY	New York State Department of Health	10899 NELAP	04/1/2018
NH-S	New Hampshire Environmental Lab	2516 NELAP	02/5/2018
RI	Rhode Island Department of Health	LAO00112	12/30/2017
NC	North Carolina Div. of Water Quality	652	12/31/2017
NJ	New Jersey DEP	MA007 NELAP	06/30/2018
FL	Florida Department of Health	E871027 NELAP	06/30/2018
VT	Vermont Department of Health Lead Laboratory	LL015036	07/30/2018
ME	State of Maine	2011028	06/9/2019
VA	Commonwealth of Virginia	460217	12/14/2017
NH-P	New Hampshire Environmental Lab	2557 NELAP	09/6/2017
VT-DW	Vermont Department of Health Drinking Water	VT-255716	06/12/2018
NC-DW	North Carolina Department of Health	25703	07/31/2018

17H0509
 Phone: 413-525-2332
 Fax: 413-525-6405
 Email: info@contestlabs.com



Company Name: ATC Group Services
Address: 73 William Franks Drive, West Springfield, MA
Phone: (413) 781-0070
Project Name: 678 North Rd, Westfield
Project Location: 678 North Rd, Westfield
Project Number: 183EM00170
Project Manager: Rob Smith
Con-Test Quote Name/Number:
Invoice Recipient:
Sampled By: Elizabeth O'Connor

Requested Turnaround Time:
 7-Day 10-Day
 Due Date: 5-day TAT
Rush Approval Required:
 1-Day 3-Day
 2-Day 4-Day
Data Delivery:
 Format: PDF EXCEL
 Other:
 CLP Like Data Pkg Required:
 Email To:
 Fax To #:

Con-Test Work Order #	Client Sample ID / Description	Beginning Date/Time	Shelfing Date/Time	Composite	Grab	Matrix Code	Conc Code
01	678 North Rd - field blank	8/8/2017	13:47	X	X	DW	U
02	678 North Rd - 1	8/8/2017	14:00	X	X	DW	U
03	678 North Rd - 2	8/8/2017	14:02	X	X	DW	U

ANALYSIS REQUESTED
 EPA METHOD 537
 TOTAL As, Fe, HARDNESS, TOC

- 1 Matrix Codes:**
 GW = Ground Water
 WW = Waste Water
 DW = Drinking Water
 A = Air
 S = Soil
 SL = Sludge
 SOL = Solid
 O = Other (please define)
- 2 Preservation Codes:**
 I = Iced
 H = HCL
 M = Methanol
 N = Nitric Acid
 S = Sulfuric Acid
 B = Sodium Bisulfate
 X = Sodium Hydroxide
 T = Sodium Thiosulfate
 O = Other (please define)
 TRIZMA
- 3 Container Codes:**
 A = Amber Glass
 G = Glass
 P = Plastic
 ST = Sterile
 V = Vial
 S = Summa Canister
 T = Tedlar Bag
 O = Other (please define)

Comments:
 RUN EPA Method 537: 678 North Rd-1
 EXTRACT & HOLD EPA Method 537: 678 North Rd-field blank & 678 North Rd-2
 HOLD As, Fe, Hardness, TOC

Please use the following codes to indicate possible sample concentration within the Conc Code column above:
 H - High; M - Medium; L - Low; C - Clean; U - Unknown

Requisitioned by: (signature) *E.O'Connor* Date/Time: 8/8/17 13:20
Received by: (signature) *[Signature]* Date/Time: 8/8/17 18:20
Relinquished by: (signature) *[Signature]* Date/Time: _____



Detection Limit Requirements:
 MA MCP Required
 MCP Certification Form Required
 CT RCP Required
 RCP Certification Form Required
 MA State DW Required

Special Requirements:
 MA MCP Required
 MCP Certification Form Required
 CT RCP Required
 RCP Certification Form Required
 MA State DW Required

Project Entity:
 Government Municipality AWRA WRTA Other
 Federal City 21 J School Chromatogram
 City Brownfield MBTA AIHA-LAP, LLC

PCB ONLY
 Soxhlet
 Non Soxhlet

39 Spruce St.
 East Longmeadow, MA. 01028
 P: 413-525-2332
 F: 413-525-6405
 www.contestlabs.com



Doc# 277 Rev 5 2017

Login Sample Receipt Checklist - (Rejection Criteria Listing - Using Acceptance Policy) Any False Statement will be brought to the attention of the Client - State True or False

Client ATC
 Received By PB Date 8.8.17 Time 18:20
 How were the samples received? In Cooler T No Cooler _____ On Ice T No Ice _____
 Direct from Sampling _____ Ambient _____ Melted Ice _____
 Were samples within Temperature? 2-6°C T By Gun # 1 Actual Temp - 5.9
 By Blank # _____ Actual Temp - _____
 Was Custody Seal Intact? NA Were Samples Tampered with? F
 Was COC Relinquished? T Does Chain Agree With Samples? T
 Are there broken/leaking/loose caps on any samples? F
 Is COC in ink/ Legible? T Were samples received within holding time? T
 Did COC include all pertinent information? Client T Analysis T Sampler Name T
 Project T ID's T Collection Dates/Times T
 Are Sample labels filled out and legible? T
 Are there Lab to Filters? F Who was notified? _____
 Are there Rushes? F Who was notified? _____
 Are there Short Holds? F Who was notified? _____
 Is there enough Volume? F
 Is there Headspace where applicable? NA MS/MSD? NA
 Proper Media/Containers Used? F Is splitting samples required? NA
 Were trip blanks received? F On COC? NA
 Do all samples have the proper pH? T Acid T Base _____

Vials	#	Containers	#		
Unp-		1 Liter Amb.		1 Liter Plastic	16 oz Amb.
HCL-		500 mL Amb.		500 mL Plastic	8oz Amb/Clear
Meoh-		250 mL Amb.		250 mL Plastic	4oz Amb/Clear
Bisulfate-		Col./Bacteria		Flashpoint	2oz Amb/Clear
DI-		Other Plastic		Other Glass	Encore
Thiosulfate-		SOC Kit		Plastic Bag	Frozen:
Sulfuric-		Perchlorate		Ziplock	

Unused Media

Vials	#	Containers	#		
Unp-		1 Liter Amb.		1 Liter Plastic	16 oz Amb.
HCL-		500 mL Amb.		500 mL Plastic	8oz Amb/Clear
Meoh-		250 mL Amb.		250 mL Plastic	4oz Amb/Clear
Bisulfate-		Col./Bacteria		Flashpoint	2oz Amb/Clear
DI-		Other Plastic		Other Glass	Encore
Thiosulfate-		SOC Kit		Plastic Bag	Frozen:
Sulfuric-		Perchlorate		Ziplock	

Comments:



Commonwealth of Massachusetts
Executive Office of Energy & Environmental Affairs

Department of Environmental Protection

Western Regional Office • 436 Dwight Street, Springfield MA 01103 • 413-784-1100

Charles D. Baker
Governor

Karyn E. Polito
Lieutenant Governor

Matthew A. Beaton
Secretary

Martin Suuberg
Commissioner

September 13, 2017

Carlos and Anabela Ferreira
40 Indian Ridge Road
Westfield, MA 01085

RE: Notice of Environmental Sampling
40 Indian Ridge Road
Westfield Private Well Sampling

Dear Carlos and Anabela Ferreira:

The Department of Environmental Protection (DEP) collected a drinking water sample from your private well on August 8, 2017. The purpose of the sampling was to investigate whether your well has been affected by a release of perfluorinated compounds (PFCs) to local groundwater. The sample was sent to a certified laboratory and analyzed for PFC compounds by modified United States Protection Agency (EPA) Method 317.1. EPA has established a Lifetime Health Advisory level at 70 parts per trillion (ppt), for two specific compounds which have been the most extensively used and studied, PFOA (perfluorooctanoic acid) and PFOS (perfluorooctane sulfonic acid). If both PFOA and PFOS are identified in drinking water the combined concentrations are compared to the 70 ppt health advisory level. The Health Advisory offers a margin of protection from a lifetime of exposure to PFOA and PFOS for all individuals from adverse health effects resulting from exposure from PFOA and PFOS in drinking water. ¹

The sampling result indicated a total PFOA and PFOS concentration of 9.3 ppt in the drinking water sample. The results of a duplicate sample confirmed these results. This concentration is well below the health advisory level of 70 ppt. Based on the low concentrations of PFC compounds detected in the sample collected from your well, no further action, including additional sampling and/or mitigation measures (i.e. bottled water) are required at this time. However, additional sampling may be required in the future. The Department thanks you for granting access to your property.

This information is available in alternate format. Contact Michelle Waters-Ekanem, Director of Diversity/Civil Rights at 617-292-5751.

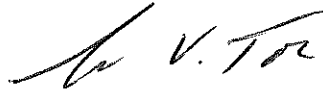
TTY# MassRelay Service 1-800-439-2370

MassDEP Website: www.mass.gov/dep

Printed on Recycled Paper

If you have any questions pertaining to this Notice of Environmental Sampling or with the information contained within, please feel free to contact David Bachand at (413) 755-2221 or Cynthia Pawloski at (413) 755-2247.

Sincerely,



Eva Tor
Deputy Regional Director
Bureau of Waste Site Cleanup

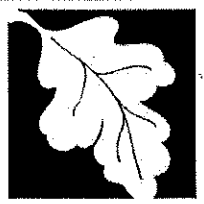
¹ Fact Sheet PFOA & PFOS Drinking Water Health Advisories. EPA, EPA 800 F-16-003, June 2016

Attachments: Notice of Environmental Sampling (BWSC-123)
Laboratory Report

cc : Mayor, City of Westfield
Barnes ANG-John Richardson
Barnes Aquifer Protection Committee
Westfield DPW – David Billips
Westfield Health Department
Westfield Councilor Mary Ann Babinski
Dr. Marc A. Nascarella, Ph.D/DPH

cc:

Denise Andler, DEP WERO
Data Entry: FOLOFF, FOLFLD



NOTICE OF ENVIRONMENTAL SAMPLING

As required by 310 CMR 40.1403(10) of the Massachusetts Contingency Plan

1 - 20093

A. The address of the disposal site related to this Notice and Release Tracking Number (provided above):

1. Street Address: 175 Falcon Drive
City/Town: Westfield Zip Code: 01085

B. This notice is being provided to the following party:

1. Name: Carlos & Anabela Ferreira
2. Street Address: 40 Indian Ridge Road
City/Town: Westfield Zip Code: 01085

C. This notice is being given to inform its recipient (the party listed in Section B):

- 1. That environmental sampling will be/has been conducted at property owned by the recipient of this notice.
- 2. Of the results of environmental sampling conducted at property owned by the recipient of this notice.
- 3. Check to indicate if the analytical results are attached. (If item 2. above is checked, the analytical results from the environmental sampling must be attached to this notice.)

D. Location of the property where the environmental sampling will be/has been conducted:

1. Street Address: 40 Indian Ridge Road
City/Town: Westfield Zip Code: 01085

2. MCP phase of work during which the sampling will be/has been conducted:

- | | |
|---|--|
| <input checked="" type="checkbox"/> Immediate Response Action | <input type="checkbox"/> Phase III Feasibility Evaluation |
| <input type="checkbox"/> Release Abatement Measure | <input type="checkbox"/> Phase IV Remedy Implementation Plan |
| <input type="checkbox"/> Utility-related Abatement Measure | <input type="checkbox"/> Phase V/Remedy Operation Status |
| <input type="checkbox"/> Phase I Initial Site Investigation | <input type="checkbox"/> Post-Temporary Solution Operation, Maintenance and Monitoring |
| <input type="checkbox"/> Phase II Comprehensive Site Assessment | <input type="checkbox"/> Other _____
(specify) |

3. Description of property where sampling will be/has been conducted:

- residential commercial industrial school/playground Other _____
(specify)

4. Description of the sampling locations and types (e.g., soil, groundwater, indoor air, soil gas) to the extent known at the time of this notice.

Drinking water samples were collected from the private well located on the above-referenced property and analyzed for PHAS compounds via EPA Method 537.1

E. Contact information related to the party providing this notice:

Contact Name: Department of Environmental Protection
Street Address: 436 Dwight Street
City/Town: Springfield Zip Code: 01103
Telephone: (413) 755-2221 Email: david.bachand.jr@state.ma.us



Massachusetts Department of Environmental Protection
Bureau of Waste Site Cleanup

BWSC123

This Notice is Related to:
Release Tracking Number

NOTICE OF ENVIRONMENTAL SAMPLING

1 - 20093

As required by 310 CMR 40.1403(10) of the Massachusetts Contingency Plan

MASSACHUSETTS REGULATIONS THAT REQUIRE THIS NOTICE

This notice is being provided pursuant to the Massachusetts Contingency Plan and the notification requirement at 310 CMR 40.1403(10). The Massachusetts Contingency Plan is a state regulation that specifies requirements for parties who are taking actions to address releases of chemicals (oil or hazardous material) to the environment.

THE PERSON(S) PROVIDING THIS NOTICE

This notice has been sent to you by the party who is addressing a release of oil or hazardous material to the environment at the location listed in **Section A** on the reverse side of this form. (The regulations refer to the area where the oil or hazardous material is present as the "disposal site".)

PURPOSE OF THIS NOTICE

When environmental samples are taken as part of an investigation of a release for which a notification to MassDEP has been made under the Massachusetts Contingency Plan (310 CMR 40.0300) on behalf of someone other than the owner of the property, the regulations require that the property owner (listed in **Section B** on the reverse side of this form) be given notice of the environmental sampling. The regulations also require that the property owner subsequently receive the analytical results following the analysis of the environmental samples.

Section C on the reverse side of this form indicates the circumstance under which you are receiving this notice at this time. If you are receiving this notice to inform you of the analytical results following the analysis of the environmental samples, you should also have received, as an attachment, a copy of analytical results. These results should indicate the number and type(s) of samples (e.g., soil, groundwater) analyzed, any chemicals identified, and the measured concentrations of those chemicals.

Section D on the reverse side of this form identifies the property where the environmental sampling will be/has been conducted, provides a description of the sampling locations within the property, and indicates the phase of work under the Massachusetts Contingency Plan regulatory process during which the samples will be/were collected.

FOR MORE INFORMATION

Information about the general process for addressing releases of oil or hazardous material under the Massachusetts Contingency Plan and related public involvement opportunities may be found at <http://www.mass.gov/eea/agencies/massdep/cleanup>. For more information regarding this notice, you may contact the party listed in **Section E** on the reverse side of this form. Information about the disposal site identified in **Section A** is also available in files at the Massachusetts Department of Environmental Protection. See <http://public.dep.state.ma.us/SearchableSites2/Search.aspx> to view site-specific files on-line or <http://mass.gov/eea/agencies/massdep/about/contacts/conduct-a-file-review.html> if you would like to make an appointment to see these files in person. Please reference the **Release Tracking Number** listed in the upper right hand corner on the reverse side of this form when making file review appointments.


August 25, 2017

Rob Smith
ATC Group Services LLC - West Springfield
73 Williams Franks Drive
West Springfield, MA 01089

Project Location: 40 Indian Ridge Rd., Westfield
Client Job Number:
Project Number: 183EM00170
Laboratory Work Order Number: 17H0513

Enclosed are results of analyses for samples received by the laboratory on August 8, 2017. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

A handwritten signature in black ink that reads "Kerry K. McGee". The signature is written in a cursive, flowing style.

Kerry K. McGee
Project Manager

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

ATC Group Services LLC - West Springfield
 73 Williams Franks Drive
 West Springfield, MA 01089
 ATTN: Rob Smith

REPORT DATE: 8/25/2017

PURCHASE ORDER NUMBER:

PROJECT NUMBER: 183EM00170

ANALYTICAL SUMMARY

WORK ORDER NUMBER: 17H0513

The results of analyses performed on the following samples submitted to the CON-TEST Analytical Laboratory are found in this report.

PROJECT LOCATION: 40 Indian Ridge Rd., Westfield

FIELD SAMPLE #	LAB ID:	MATRIX	SAMPLE DESCRIPTION	TEST	SUB LAB
40 Indian Ridge Rd. - Field Blank	17H0513-01	Field Blank		EPA 537	
40 Indian Ridge Rd.-1	17H0513-02	Drinking Water		EPA 537	
40 Indian Ridge Rd.-2	17H0513-03	Drinking Water		EPA 537	



39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

CASE NARRATIVE SUMMARY

All reported results are within defined laboratory quality control objectives unless listed below or otherwise qualified in this report.

REVISED REPORT - Samples -01 & -03 activated 8/23

The results of analyses reported only relate to samples submitted to the Con-Test Analytical Laboratory for testing. I certify that the analyses listed above, unless specifically listed as subcontracted, if any, were performed under my direction according to the approved methodologies listed in this document, and that based upon my inquiry of those individuals immediately responsible for obtaining the information, the material contained in this report is, to the best of my knowledge and belief, accurate and complete.

A handwritten signature in black ink, appearing to read "Lisa A. Worthington". The signature is written in a cursive, flowing style.

Lisa A. Worthington
Project Manager

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 40 Indian Ridge Rd., Westfield

Sample Description:

Work Order: 17H0513

Date Received: 8/8/2017

Field Sample #: 40 Indian Ridge Rd.- Field Blank

Sampled: 8/8/2017 16:38

Sample ID: 17H0513-01

Sample Matrix: Field Blank

Miscellaneous Organic Analyses

Analyte	Results	MCL/SMCL		Units	Dilution	Flag/Qual	Method	Date	Date/Time	Analyst
		RL	MA ORSG					Prepared	Analyzed	
Perfluoroundecanoic acid (PFUnA)	ND	2.0	2	ng/L	1		EPA 537	8/13/17	8/16/17 20:24	BLM
Perfluorotridecanoic acid (PFTrDA)	ND	2.0	2	ng/L	1		EPA 537	8/13/17	8/16/17 20:24	BLM
Perfluorotetradecanoic acid (PFTTA)	ND	2.0	2	ng/L	1		EPA 537	8/13/17	8/16/17 20:24	BLM
Perfluorooctanoic acid (PFOA)	ND	2.0	2	ng/L	1		EPA 537	8/13/17	8/16/17 20:24	BLM
Perfluorooctanesulfonic acid (PFOS)	ND	2.0	2	ng/L	1		EPA 537	8/13/17	8/16/17 20:24	BLM
Perfluorononanoic acid (PFNA)	ND	2.0	2	ng/L	1		EPA 537	8/13/17	8/16/17 20:24	BLM
Perfluorohexanoic acid (PFHxA)	ND	2.0	2	ng/L	1		EPA 537	8/13/17	8/16/17 20:24	BLM
Perfluorohexanesulfonic acid (PFHxS)	ND	2.0	2	ng/L	1		EPA 537	8/13/17	8/16/17 20:24	BLM
Perfluoroheptanoic acid (PFHpA)	ND	2.0	2	ng/L	1		EPA 537	8/13/17	8/16/17 20:24	BLM
Perfluorododecanoic acid (PFDoA)	ND	2.0	2	ng/L	1		EPA 537	8/13/17	8/16/17 20:24	BLM
Perfluorodecanoic acid (PFDA)	ND	2.0	2	ng/L	1		EPA 537	8/13/17	8/16/17 20:24	BLM
Perfluorobutanesulfonic acid (PFBS)	ND	2.0	2	ng/L	1		EPA 537	8/13/17	8/16/17 20:24	BLM
NEtFOSAA	ND	2.0		ng/L	1		EPA 537	8/13/17	8/16/17 20:24	BLM
NMeFOSAA	ND	2.0		ng/L	1		EPA 537	8/13/17	8/16/17 20:24	BLM

Surrogates	% Recovery	Recovery Limits	Flag/Qual
13C-PFHxA	121	70-130	8/16/17 20:24
13C-PFDA	121	70-130	8/16/17 20:24
d5-NEtFOSAA	129	70-130	8/16/17 20:24



39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 40 Indian Ridge Rd., Westfield

Sample Description:

Work Order: 17H0513

Date Received: 8/8/2017

Field Sample #: 40 Indian Ridge Rd.-1

Sampled: 8/8/2017 16:53

Sample ID: 17H0513-02

Sample Matrix: Drinking Water

Miscellaneous Organic Analyses

Analyte	Results	MCL/SMCL			Units	Dilution	Flag/Qual	Method	Date	Date/Time	Analyst
		RL	MA	ORSG					Prepared	Analyzed	
Perfluoroundecanoic acid (PFUnA)	ND	2.0	2		ng/L	1	EPA 537	8/13/17	8/16/17 21:41	BLM	
Perfluorotridecanoic acid (PFTrDA)	ND	2.0	2		ng/L	1	EPA 537	8/13/17	8/16/17 21:41	BLM	
Perfluorotetradecanoic acid (PFTrA)	ND	2.0	2		ng/L	1	EPA 537	8/13/17	8/16/17 21:41	BLM	
# Perfluorooctanoic acid (PFOA)	4.8	2.0	2		ng/L	1	EPA 537	8/13/17	8/16/17 21:41	BLM	
# Perfluorooctanesulfonic acid (PFOS)	4.5	2.0	2		ng/L	1	EPA 537	8/13/17	8/16/17 21:41	BLM	
Perfluorononanoic acid (PFNA)	ND	2.0	2		ng/L	1	EPA 537	8/13/17	8/16/17 21:41	BLM	
# Perfluorohexanoic acid (PFHxA)	3.5	2.0	2		ng/L	1	EPA 537	8/13/17	8/16/17 21:41	BLM	
# Perfluorohexanesulfonic acid (PFHxS)	8.2	2.0	2		ng/L	1	EPA 537	8/13/17	8/16/17 21:41	BLM	
Perfluoroheptanoic acid (PFHpA)	ND	2.0	2		ng/L	1	EPA 537	8/13/17	8/16/17 21:41	BLM	
Perfluorododecanoic acid (PFDoA)	ND	2.0	2		ng/L	1	EPA 537	8/13/17	8/16/17 21:41	BLM	
Perfluorodecanoic acid (PFDA)	ND	2.0	2		ng/L	1	EPA 537	8/13/17	8/16/17 21:41	BLM	
# Perfluorobutanesulfonic acid (PFBS)	3.4	2.0	2		ng/L	1	EPA 537	8/13/17	8/16/17 21:41	BLM	
NEtFOSAA	ND	2.0			ng/L	1	EPA 537	8/13/17	8/16/17 21:41	BLM	
NMeFOSAA	ND	2.0			ng/L	1	EPA 537	8/13/17	8/16/17 21:41	BLM	
Surrogates		% Recovery	Recovery Limits								
13C-PFHxA		107	70-130						8/16/17 21:41		
13C-PFDA		127	70-130						8/16/17 21:41		
d5-NEtFOSAA		129	70-130						8/16/17 21:41		



39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 40 Indian Ridge Rd., Westfield

Sample Description:

Work Order: 17H0513

Date Received: 8/8/2017

Field Sample #: 40 Indian Ridge Rd.-2

Sampled: 8/8/2017 16:55

Sample ID: 17H0513-03

Sample Matrix: Drinking Water

Miscellaneous Organic Analyses

Analyte	Results	MCL/SMCL		Units	Dilution	Flag/Qual	Method	Date	Date/Time	Analyst
		RL	MA ORSG					Prepared	Analyzed	
Perfluoroundecanoic acid (PFUnA)	ND	2.0	2	ng/L	1		EPA 537	8/13/17	8/16/17 21:54	BLM
Perfluorotridecanoic acid (PFTrDA)	ND	2.0	2	ng/L	1		EPA 537	8/13/17	8/16/17 21:54	BLM
Perfluorotetradecanoic acid (PFTA)	ND	2.0	2	ng/L	1		EPA 537	8/13/17	8/16/17 21:54	BLM
# Perfluorooctanoic acid (PFOA)	4.0	2.0	2	ng/L	1		EPA 537	8/13/17	8/16/17 21:54	BLM
# Perfluorooctanesulfonic acid (PFOS)	4.4	2.0	2	ng/L	1		EPA 537	8/13/17	8/16/17 21:54	BLM
Perfluorononanoic acid (PFNA)	ND	2.0	2	ng/L	1		EPA 537	8/13/17	8/16/17 21:54	BLM
# Perfluorohexanoic acid (PFHxA)	3.3	2.0	2	ng/L	1		EPA 537	8/13/17	8/16/17 21:54	BLM
# Perfluorohexanesulfonic acid (PFHxS)	6.9	2.0	2	ng/L	1		EPA 537	8/13/17	8/16/17 21:54	BLM
Perfluoroheptanoic acid (PFHpA)	ND	2.0	2	ng/L	1		EPA 537	8/13/17	8/16/17 21:54	BLM
Perfluorododecanoic acid (PFDoA)	ND	2.0	2	ng/L	1		EPA 537	8/13/17	8/16/17 21:54	BLM
Perfluorodecanoic acid (PFDA)	ND	2.0	2	ng/L	1		EPA 537	8/13/17	8/16/17 21:54	BLM
# Perfluorobutanesulfonic acid (PFBS)	2.9	2.0	2	ng/L	1		EPA 537	8/13/17	8/16/17 21:54	BLM
NEtFOSAA	ND	2.0		ng/L	1		EPA 537	8/13/17	8/16/17 21:54	BLM
NMeFOSAA	ND	2.0		ng/L	1		EPA 537	8/13/17	8/16/17 21:54	BLM
Surrogates		% Recovery	Recovery Limits			Flag/Qual				
13C-PFHxA		93.7	70-130						8/16/17 21:54	
13C-PFDA		118	70-130						8/16/17 21:54	
d5-NEtFOSAA		126	70-130						8/16/17 21:54	



39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Sample Extraction Data

Prep Method: EPA 537-EPA 537

Lab Number [Field ID]	Batch	Initial [mL]	Final [mL]	Date
17H0513-01 [40 Indian Ridge Rd.- Field Blank]	B183955	250	1.00	08/13/17
17H0513-02 [40 Indian Ridge Rd.-1]	B183955	250	1.00	08/13/17
17H0513-03 [40 Indian Ridge Rd.-2]	B183955	250	1.00	08/13/17

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

QUALITY CONTROL

Miscellaneous Organic Analyses - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B183955 - EPA 537										
Blank (B183955-BLK1)										
Prepared: 08/13/17 Analyzed: 08/15/17										
Perfluoroundecanoic acid (PFUnA)	ND	2.0	ng/L							
Perfluorotridecanoic acid (PFTrDA)	ND	2.0	ng/L							
Perfluorotetradecanoic acid (PFTA)	ND	2.0	ng/L							
Perfluorooctanoic acid (PFOA)	ND	2.0	ng/L							
Perfluorooctanesulfonic acid (PFOS)	ND	2.0	ng/L							
Perfluorononanoic acid (PFNA)	ND	2.0	ng/L							
Perfluorohexanoic acid (PFHxA)	ND	2.0	ng/L							
Perfluorohexanesulfonic acid (PFHxS)	ND	2.0	ng/L							
Perfluoroheptanoic acid (PFHpA)	ND	2.0	ng/L							
Perfluorododecanoic acid (PFDoA)	ND	2.0	ng/L							
Perfluorodecanoic acid (PFDA)	ND	2.0	ng/L							
Perfluorobutanesulfonic acid (PFBS)	ND	2.0	ng/L							
NEtFOSAA	ND	2.0	ng/L							
NMeFOSAA	ND	2.0	ng/L							
Surrogate: 13C-PFHxA	47.9		ng/L	40.0		120	70-130			
Surrogate: 13C-PFDA	41.6		ng/L	40.0		104	70-130			
Surrogate: d5-NEtFOSAA	207		ng/L	160		129	70-130			
LCS (B183955-BS1)										
Prepared: 08/13/17 Analyzed: 08/16/17										
Perfluoroundecanoic acid (PFUnA)	25.6	2.0	ng/L	20.0		128	70-130			
Perfluorotridecanoic acid (PFTrDA)	21.1	2.0	ng/L	20.0		105	70-130			
Perfluorotetradecanoic acid (PFTA)	21.5	2.0	ng/L	20.0		107	70-130			
Perfluorooctanoic acid (PFOA)	18.9	2.0	ng/L	20.0		94.6	70-130			
Perfluorooctanesulfonic acid (PFOS)	20.2	2.0	ng/L	18.5		109	70-130			
Perfluorononanoic acid (PFNA)	16.7	2.0	ng/L	20.0		83.5	70-130			
Perfluorohexanoic acid (PFHxA)	20.4	2.0	ng/L	20.0		102	70-130			
Perfluorohexanesulfonic acid (PFHxS)	18.8	2.0	ng/L	18.2		103	70-130			
Perfluoroheptanoic acid (PFHpA)	18.7	2.0	ng/L	20.0		93.7	70-130			
Perfluorododecanoic acid (PFDoA)	20.8	2.0	ng/L	20.0		104	70-130			
Perfluorodecanoic acid (PFDA)	21.4	2.0	ng/L	20.0		107	70-130			
Perfluorobutanesulfonic acid (PFBS)	18.3	2.0	ng/L	17.7		103	70-130			
NEtFOSAA	22.1	2.0	ng/L	20.0		111	70-130			
NMeFOSAA	21.1	2.0	ng/L	20.0		106	70-130			
Surrogate: 13C-PFHxA	35.9		ng/L	40.0		89.8	70-130			
Surrogate: 13C-PFDA	37.8		ng/L	40.0		94.5	70-130			
Surrogate: d5-NEtFOSAA	167		ng/L	160		105	70-130			



39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

FLAG/QUALIFIER SUMMARY

- * QC result is outside of established limits.
 - † Wide recovery limits established for difficult compound.
 - ‡ Wide RPD limits established for difficult compound.
 - # Data exceeded client recommended or regulatory level
 - ND Not Detected
 - RL Reporting Limit
 - DL Method Detection Limit
 - MCL Maximum Contaminant Level
- Percent recoveries and relative percent differences (RPDs) are determined by the software using values in the calculation which have not been rounded.
- No results have been blank subtracted unless specified in the case narrative section.



39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

CERTIFICATIONS

Certified Analyses included in this Report

Analyte	Certifications
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EPA 537 in Drinking Water

Perfluorooctanoic acid (PFOA)	NH,NY
Perfluorooctanesulfonic acid (PFOS)	NH,NY

The CON-TEST Environmental Laboratory operates under the following certifications and accreditations:

Code	Description	Number	Expires
AIHA	AIHA-LAP, LLC - ISO17025:2005	100033	02/1/2018
MA	Massachusetts DEP	M-MA100	06/30/2018
CT	Connecticut Department of Public Health	PH-0567	09/30/2017
NY	New York State Department of Health	10899 NELAP	04/1/2018
NH-S	New Hampshire Environmental Lab	2516 NELAP	02/5/2018
RI	Rhode Island Department of Health	LAO00112	12/30/2017
NC	North Carolina Div. of Water Quality	652	12/31/2017
NJ	New Jersey DEP	MA007 NELAP	06/30/2018
FL	Florida Department of Health	E871027 NELAP	06/30/2018
VT	Vermont Department of Health Lead Laboratory	LL015036	07/30/2018
ME	State of Maine	2011028	06/9/2019
VA	Commonwealth of Virginia	460217	12/14/2017
NH-P	New Hampshire Environmental Lab	2557 NELAP	09/6/2017
VT-DW	Vermont Department of Health Drinking Water	VT-255716	06/12/2018
NC-DW	North Carolina Department of Health	25703	07/31/2018

con-test
ANALYTICAL LABORATORY

1740513

Phone: 413-525-2332
Fax: 413-525-6405
Email: info@contestlabs.com

http://www.contestlabs.com

CHAIN OF CUSTODY RECORD

Doc # 381 Rev 1_03242017
39 Spruce Street
East Longmeadow, MA 01028

Page ___ of ___

Company Name: ATC Group Services Address: 73 William Franks Drive, West Springfield, MA Phone: (413) 781-0070 Project Name: 40 Indian Ridge Rd, Westfield Project Location: 40 Indian Ridge Rd, Westfield Project Number: 183E400170 Project Manager: Rob Smith Con-Test Quote Name/Number: Invoice Recipient: Sampled By: Elizabeth O'Connor		Requested Turnaround Time 7-Day <input type="checkbox"/> 10-Day <input type="checkbox"/> Due Date: 5-day TAT Rush Approval Required 1-Day <input type="checkbox"/> 3-Day <input type="checkbox"/> 2-Day <input type="checkbox"/> 4-Day <input type="checkbox"/> Data Delivery Format: PDF <input checked="" type="checkbox"/> EXCEL <input checked="" type="checkbox"/> Other: CLP Like Data Pkg Required: <input type="checkbox"/> Email To: Fax To #:		# of Containers 1 Preservation Code 2 Container Code Dissolved Metals Samples <input type="radio"/> Field Filtered <input type="radio"/> Lab to Filter Organic Solvents Samples <input type="radio"/> Field Filtered <input type="radio"/> Lab to Filter	
Con-Test Work Order # Client Sample ID / Description Sampling Date / Time Ending Date / Time Matrix Code Contaminant Code Matrix Code Contaminant Code		EPA METHOD 537 ANALYSIS REQUESTED TOTAL As, Fe, HARDNESS, TOC		1 Matrix Codes: GW = Ground Water WW = Waste Water DW = Drinking Water A = Air S = Soil SL = Sludge SOL = Solid O = Other (please define) 2 Preservation Codes: I = Iced H = HCL M = Methanol N = Nitric Acid S = Sulfuric Acid B = Sodium Bisulfate X = Sodium Hydroxide T = Sodium Thiosulfate O = Other (please define) TRIZMA 3 Container Codes: A = Amber Glass G = Glass P = Plastic ST = Sterile V = Vial S = Summa Canister T = Tedlar Bag O = Other (please define)	
Comments: RUI EPA Method 537: 40 Indian Ridge Rd-1 EXTRACT & HOLD EPA Method 537: 40 Indian Ridge Rd-field blank & 40 Indian Ridge Rd-2 HOLD As, Fe, Hardness, TOC		Please use the following codes to indicate possible sample concentration within the Conc Code column above: H - High; M - Medium; L - Low; C - Clean; U - Unknown		PCB ONLY <input type="checkbox"/> Soxhlet <input type="checkbox"/> Non Soxhlet	
Relinquished by: (signature) Date/Time: 8/17 18:00 Relinquished by: (signature) Date/Time: 8/17 1820 Relinquished by: (signature)		Detection Limits Requirements MA <input type="checkbox"/> MA MCP Required CT <input type="checkbox"/> MCP Certification Form Required Other <input type="checkbox"/> CT RCP Required MA State DW Required		Special Requirements MWRA <input type="checkbox"/> MWRA WRTA <input type="checkbox"/> WRTA School <input type="checkbox"/> School MBTA <input type="checkbox"/> MBTA	
Relinquished by: (signature) Date/Time:		Project Entity <input type="checkbox"/> Government <input type="checkbox"/> Federal <input type="checkbox"/> City <input type="checkbox"/> Municipality <input type="checkbox"/> 21 J <input type="checkbox"/> Brownfield		Other <input type="checkbox"/> Chromatogram <input type="checkbox"/> AIHA-LAP, LLC	

39 Spruce St.
 East Longmeadow, MA. 01028
 P: 413-525-2332
 F: 413-525-6405
 www.contestlabs.com



Doc# 277 Rev 5 2017

Login Sample Receipt Checklist - (Rejection Criteria Listing - Using Acceptance Policy) Any False Statement will be brought to the attention of the Client - State True or False

Client ATC
 Received By PB Date 8.8.17 Time 18:20
 How were the samples received? In Cooler T No Cooler _____ On Ice T No Ice _____
 Direct from Sampling _____ Ambient _____ Melted Ice _____
 Were samples within Temperature? 2-6°C T By Gun # 1 Actual Temp - 5.9
 By Blank # _____ Actual Temp - _____
 Was Custody Seal Intact? NA Were Samples Tampered with? F
 Was COC Relinquished? T Does Chain Agree With Samples? T
 Are there broken/leaking/loose caps on any samples? F
 Is COC in ink/ Legible? T Were samples received within holding time? T
 Did COC include all pertinent information? Client T Analysis T Sampler Name T
 Project T ID's T Collection Dates/Times T
 Are Sample labels filled out and legible? T
 Are there Lab to Filters? F Who was notified? _____
 Are there Rushes? F Who was notified? _____
 Are there Short Holds? F Who was notified? _____
 Is there enough Volume? T
 Is there Headspace where applicable? NA MS/MSD? NA
 Proper Media/Containers Used? T Is splitting samples required? NA
 Were trip blanks received? F On COC? NA
 Do all samples have the proper pH? T Acid T Base _____

Media	#	Containers	#	Media	#	Media	#
Unp-		1 Liter Amb.		1 Liter Plastic		16 oz Amb.	
HCL-		500 mL Amb.		500 mL Plastic		8oz Amb/Clear	
Meoh-		250 mL Amb.		250 mL Plastic	3	4oz Amb/Clear	
Bisulfate-		Col./Bacteria		Flashpoint		2oz Amb/Clear	
DI-		Other Plastic		Other Glass		Encore	
Thiosulfate-		SOC Kit		Plastic Bag		Frozen:	
Sulfuric-		Perchlorate		Ziplock			

Unused Media

Media	#	Containers	#	Media	#	Media	#
Unp-		1 Liter Amb.		1 Liter Plastic		16 oz Amb.	
HCL-		500 mL Amb.		500 mL Plastic		8oz Amb/Clear	
Meoh-		250 mL Amb.		250 mL Plastic		4oz Amb/Clear	
Bisulfate-		Col./Bacteria		Flashpoint		2oz Amb/Clear	
DI-		Other Plastic		Other Glass		Encore	
Thiosulfate-		SOC Kit		Plastic Bag		Frozen:	
Sulfuric-		Perchlorate		Ziplock			

Comments:



Commonwealth of Massachusetts
Executive Office of Energy & Environmental Affairs

Department of Environmental Protection

Western Regional Office • 436 Dwight Street, Springfield MA 01103 • 413-784-1100

Charles D. Baker
Governor

Karyn E. Polito
Lieutenant Governor

Matthew A. Beaton
Secretary

Martin Suuberg
Commissioner

September 13, 2017

Robert & Jean Genereux
30 Indian Ridge Road
Westfield, MA 01085

RE: Notice of Environmental Sampling
30 Indian Ridge Road
Westfield Private Well Sampling

Dear Robert & Jean Genereux:

The Department of Environmental Protection (DEP) collected a drinking water sample from your private well on August 8, 2017. The purpose of the sampling was to investigate whether your well has been affected by a release of perfluorinated compounds (PFCs) to local groundwater. The sample was sent to a certified laboratory and analyzed for PFC compounds by modified United States Protection Agency (EPA) Method 317.1. EPA has established a Lifetime Health Advisory level at 70 parts per trillion (ppt), for two specific compounds which have been the most extensively used and studied, PFOA (perfluorooctanoic acid) and PFOS (perfluorooctane sulfonic acid). If both PFOA and PFOS are identified in drinking water the combined concentrations are compared to the 70 ppt health advisory level. The Health Advisory offers a margin of protection from a lifetime of exposure to PFOA and PFOS for all individuals from adverse health effects resulting from exposure from PFOA and PFOS in drinking water. ¹

The sampling result indicated a total PFOA and PFOS concentration of 6 ppt in the drinking water sample. The results of a duplicate sample confirmed this result. This concentration is well below the health advisory level of 70 ppt. Based on the low concentrations of PFC compounds detected in the sample collected from your well, no further action, including additional sampling and/or mitigation measures (i.e. bottled water) are required at this time. However, additional sampling may be required in the future. The Department thanks you for granting access to your property.

This information is available in alternate format. Contact Michelle Waters-Ekanem, Director of Diversity/Civil Rights at 617-292-5751.

TTY# MassRelay Service 1-800-439-2370

MassDEP Website: www.mass.gov/dep

Printed on Recycled Paper

If you have any questions pertaining to this Notice of Environmental Sampling or with the informationn contained within, please feel free to contact David Bachand at (413) 755-2221 or Cynthia Pawloski at (413) 755-2247.

Sincerely,



Eva Tor
Deputy Regional Director
Bureau of Waste Site Cleanup

¹ Fact Sheet PFOA & PFOS Drinking Water Health Advisories. EPA, EPA 800 F-16-003, June 2016

Attachments: Notice of Environmental Sampling (BWSC-123)
Laboratory Report

cc : Mayor, City of Westfield
Barnes ANG-John Richardson
Barnes Aquifer Protection Committee
Westfield DPW – David Billips
Westfield Health Department
Westfield Councilor Mary Ann Babinski
Dr. Marc A. Nascarella, Ph.D/DPH

cc:

Denise Andler, DEP WERO
Data Entry: FOLOFF, FOLFLD



NOTICE OF ENVIRONMENTAL SAMPLING

1 - 20093

As required by 310 CMR 40.1403(10) of the Massachusetts Contingency Plan

A. The address of the disposal site related to this Notice and Release Tracking Number (provided above):

1. Street Address: 175 Falcon Drive
City/Town: Westfield Zip Code: 01085

B. This notice is being provided to the following party:

1. Name: Robert & Jean Genereux
2. Street Address: 30 Indian Ridge Road
City/Town: Westfield Zip Code: 01085

C. This notice is being given to inform its recipient (the party listed in Section B):

- 1. That environmental sampling will be/has been conducted at property owned by the recipient of this notice.
- 2. Of the results of environmental sampling conducted at property owned by the recipient of this notice.
- 3. Check to indicate if the analytical results are attached. (If item 2. above is checked, the analytical results from the environmental sampling must be attached to this notice.)

D. Location of the property where the environmental sampling will be/has been conducted:

1. Street Address: 30 Indian Ridge Road
City/Town: Westfield Zip Code: 01085

2. MCP phase of work during which the sampling will be/has been conducted:

- | | |
|---|--|
| <input checked="" type="checkbox"/> Immediate Response Action | <input type="checkbox"/> Phase III Feasibility Evaluation |
| <input type="checkbox"/> Release Abatement Measure | <input type="checkbox"/> Phase IV Remedy Implementation Plan |
| <input type="checkbox"/> Utility-related Abatement Measure | <input type="checkbox"/> Phase V/Remedy Operation Status |
| <input type="checkbox"/> Phase I Initial Site Investigation | <input type="checkbox"/> Post-Temporary Solution Operation, Maintenance and Monitoring |
| <input type="checkbox"/> Phase II Comprehensive Site Assessment | <input type="checkbox"/> Other _____ |
- (specify)

3. Description of property where sampling will be/has been conducted:

- residential commercial industrial school/playground Other _____
- (specify)

4. Description of the sampling locations and types (e.g., soil, groundwater, indoor air, soil gas) to the extent known at the time of this notice.

Drinking water samples were collected from the private well located on the above-referenced property and analyzed for PHAS compounds via EPA Method 537.1

E. Contact information related to the party providing this notice:

Contact Name: Department of Environmental Protection
Street Address: 436 Dwight Street
City/Town: Springfield Zip Code: 01103
Telephone: (413) 755-2221 Email: david.bachand.jr@state.ma.us



Massachusetts Department of Environmental Protection
Bureau of Waste Site Cleanup

BWSC123

This Notice is Related to:
Release Tracking Number

NOTICE OF ENVIRONMENTAL SAMPLING

1 - 20093

As required by 310 CMR 40.1403(10) of the Massachusetts Contingency Plan

MASSACHUSETTS REGULATIONS THAT REQUIRE THIS NOTICE

This notice is being provided pursuant to the Massachusetts Contingency Plan and the notification requirement at 310 CMR 40.1403(10). The Massachusetts Contingency Plan is a state regulation that specifies requirements for parties who are taking actions to address releases of chemicals (oil or hazardous material) to the environment.

THE PERSON(S) PROVIDING THIS NOTICE

This notice has been sent to you by the party who is addressing a release of oil or hazardous material to the environment at the location listed in **Section A** on the reverse side of this form. (The regulations refer to the area where the oil or hazardous material is present as the "disposal site".)

PURPOSE OF THIS NOTICE

When environmental samples are taken as part of an investigation of a release for which a notification to MassDEP has been made under the Massachusetts Contingency Plan (310 CMR 40.0300) on behalf of someone other than the owner of the property, the regulations require that the property owner (listed in **Section B** on the reverse side of this form) be given notice of the environmental sampling. The regulations also require that the property owner subsequently receive the analytical results following the analysis of the environmental samples.

Section C on the reverse side of this form indicates the circumstance under which you are receiving this notice at this time. If you are receiving this notice to inform you of the analytical results following the analysis of the environmental samples, you should also have received, as an attachment, a copy of analytical results. These results should indicate the number and type(s) of samples (e.g., soil, groundwater) analyzed, any chemicals identified, and the measured concentrations of those chemicals.

Section D on the reverse side of this form identifies the property where the environmental sampling will be/has been conducted, provides a description of the sampling locations within the property, and indicates the phase of work under the Massachusetts Contingency Plan regulatory process during which the samples will be/were collected.

FOR MORE INFORMATION

Information about the general process for addressing releases of oil or hazardous material under the Massachusetts Contingency Plan and related public involvement opportunities may be found at <http://www.mass.gov/eea/agencies/massdep/cleanup>. For more information regarding this notice, you may contact the party listed in **Section E** on the reverse side of this form. Information about the disposal site identified in Section A is also available in files at the Massachusetts Department of Environmental Protection. See <http://public.dep.state.ma.us/SearchableSites2/Search.aspx> to view site-specific files on-line or <http://mass.gov/eea/agencies/massdep/about/contacts/conduct-a-file-review.html> if you would like to make an appointment to see these files in person. Please reference the **Release Tracking Number** listed in the upper right hand corner on the reverse side of this form when making file review appointments.



39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

August 29, 2017

Rob Smith
ATC Group Services LLC - West Springfield
73 Williams Franks Drive
West Springfield, MA 01089

Project Location: 30 Indian Ridge Rd., Westfield, MA
Client Job Number:
Project Number: 183EM00170
Laboratory Work Order Number: 17H0504

Enclosed are results of analyses for samples received by the laboratory on August 8, 2017. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

A handwritten signature in black ink that reads "Kerry K. McGee". The signature is written in a cursive, flowing style.

Kerry K. McGee
Project Manager

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

ATC Group Services LLC - West Springfield
 73 Williams Franks Drive
 West Springfield, MA 01089
 ATTN: Rob Smith

REPORT DATE: 3/29/2017

PURCHASE ORDER NUMBER:

PROJECT NUMBER: 183EM00170

ANALYTICAL SUMMARY

WORK ORDER NUMBER: 17H0504

The results of analyses performed on the following samples submitted to the CON-TEST Analytical Laboratory are found in this report.

PROJECT LOCATION: 30 Indian Ridge Rd., Westfield, MA

FIELD SAMPLE #	LAB ID:	MATRIX	SAMPLE DESCRIPTION	TEST	SUB LAB
Trip Blank	17H0504-01	Trip Blank Water		EPA 537	
30-Indian Ridge Rd. - Field Blank	17H0504-02	Drinking Water		EPA 537	
30-Indian Ridge Rd. - 1	17H0504-03	Drinking Water		EPA 537	
30-Indian Ridge Rd. - 2	17H0504-04	Drinking Water		EPA 537	



39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

CASE NARRATIVE SUMMARY

All reported results are within defined laboratory quality control objectives unless listed below or otherwise qualified in this report.

EPA 537

Qualifications:

MS-07

Matrix spike recovery is outside of control limits. Analysis is in control based on laboratory fortified blank recovery. Possibility of sample matrix effects that lead to low bias for reported result or non-homogeneous sample aliquot cannot be eliminated.

Analyte & Samples(s) Qualified:

Perfluorodecanoic acid (PFDA)

B183913-MS1

MS-14

Matrix spike recovery is outside of control limits. Data validation is not affected since sample result is "not detected" and recovery bias is on the high side for this compound.

Analyte & Samples(s) Qualified:

NEtFOSAA

B183913-MS1

S-19

Surrogate recovery is outside of control limits, matrix interference suspected. Reanalysis yielded similar surrogate non-conformance.

Analyte & Samples(s) Qualified:

13C-PFDA

17H0504-03[30-Indian Ridge Rd. - 1], 17H0504-04[30-Indian Ridge Rd. - 2], B183913-DUP1, B183913-MS1

13C-PFHxA

17H0504-03[30-Indian Ridge Rd. - 1], 17H0504-04[30-Indian Ridge Rd. - 2], B183913-DUP1, B183913-MS1

S-26

Surrogate outside of control limits.

Analyte & Samples(s) Qualified:

d5-NEtFOSAA

B183913-MS1

The results of analyses reported only relate to samples submitted to the Con-Test Analytical Laboratory for testing.

I certify that the analyses listed above, unless specifically listed as subcontracted, if any, were performed under my direction according to the approved methodologies listed in this document, and that based upon my inquiry of those individuals immediately responsible for obtaining the information, the material contained in this report is, to the best of my knowledge and belief, accurate and complete.

A handwritten signature in black ink, appearing to read "Daren J. Damboragian".

Daren J. Damboragian
Director of Operations

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 30 Indian Ridge Rd., Westfield, M

Sample Description:

Work Order: 17H0504

Date Received: 8/8/2017

Field Sample #: Trip Blank

Sampled: 8/8/2017 07:35

Sample ID: 17H0504-01

Sample Matrix: Trip Blank Water

Miscellaneous Organic Analyses

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Perfluoroundecanoic acid (PFUnA)	ND	2.0	ng/L	1		EPA 537	8/11/17	8/13/17 16:52	BLM
Perfluorotridecanoic acid (PFTrDA)	ND	2.0	ng/L	1		EPA 537	8/11/17	8/13/17 16:52	BLM
Perfluorotetradecanoic acid (PFTA)	ND	2.0	ng/L	1		EPA 537	8/11/17	8/13/17 16:52	BLM
Perfluorooctanoic acid (PFOA)	ND	2.0	ng/L	1		EPA 537	8/11/17	8/13/17 16:52	BLM
Perfluorooctanesulfonic acid (PFOS)	ND	2.0	ng/L	1		EPA 537	8/11/17	8/13/17 16:52	BLM
Perfluorononanoic acid (PFNA)	ND	2.0	ng/L	1		EPA 537	8/11/17	8/13/17 16:52	BLM
Perfluorohexanoic acid (PFHxA)	ND	2.0	ng/L	1		EPA 537	8/11/17	8/13/17 16:52	BLM
Perfluorohexanesulfonic acid (PFHxS)	ND	2.0	ng/L	1		EPA 537	8/11/17	8/13/17 16:52	BLM
Perfluoroheptanoic acid (PFHpA)	ND	2.0	ng/L	1		EPA 537	8/11/17	8/13/17 16:52	BLM
Perfluorododecanoic acid (PFDoA)	ND	2.0	ng/L	1		EPA 537	8/11/17	8/13/17 16:52	BLM
Perfluorodecanoic acid (PFDA)	ND	2.0	ng/L	1		EPA 537	8/11/17	8/13/17 16:52	BLM
Perfluorobutanesulfonic acid (PFBS)	ND	2.0	ng/L	1		EPA 537	8/11/17	8/13/17 16:52	BLM
NEtFOSAA	ND	2.0	ng/L	1		EPA 537	8/11/17	8/13/17 16:52	BLM
NMeFOSAA	ND	2.0	ng/L	1		EPA 537	8/11/17	8/13/17 16:52	BLM

Surrogates	% Recovery	Recovery Limits	Flag/Qual
13C-PFHxA	99.8	70-130	8/13/17 16:52
13C-PFDA	108	70-130	8/13/17 16:52
d5-NEtFOSAA	118	70-130	8/13/17 16:52

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 30 Indian Ridge Rd., Westfield, M Sample Description:

Work Order: 17H0504

Date Received: 8/8/2017

Field Sample #: 30-Indian Ridge Rd. - Field Blank

Sampled: 8/8/2017 08:21

Sample ID: 17H0504-02

Sample Matrix: Drinking Water

Miscellaneous Organic Analyses

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Perfluoroundecanoic acid (PFUnA)	ND	2.0	ng/L	1		EPA 537	8/11/17	8/13/17 18:21	BLM
Perfluorotridecanoic acid (PFTrDA)	ND	2.0	ng/L	1		EPA 537	8/11/17	8/13/17 18:21	BLM
Perfluorotetradecanoic acid (PFTA)	ND	2.0	ng/L	1		EPA 537	8/11/17	8/13/17 18:21	BLM
Perfluorooctanoic acid (PFOA)	ND	2.0	ng/L	1		EPA 537	8/11/17	8/13/17 18:21	BLM
Perfluorooctanesulfonic acid (PFOS)	ND	2.0	ng/L	1		EPA 537	8/11/17	8/13/17 18:21	BLM
Perfluorononanoic acid (PFNA)	ND	2.0	ng/L	1		EPA 537	8/11/17	8/13/17 18:21	BLM
Perfluorohexanoic acid (PFHxA)	ND	2.0	ng/L	1		EPA 537	8/11/17	8/13/17 18:21	BLM
Perfluorohexanesulfonic acid (PFHxS)	ND	2.0	ng/L	1		EPA 537	8/11/17	8/13/17 18:21	BLM
Perfluoroheptanoic acid (PFHpA)	ND	2.0	ng/L	1		EPA 537	8/11/17	8/13/17 18:21	BLM
Perfluorododecanoic acid (PFDoA)	ND	2.0	ng/L	1		EPA 537	8/11/17	8/13/17 18:21	BLM
Perfluorodecanoic acid (PFDA)	ND	2.0	ng/L	1		EPA 537	8/11/17	8/13/17 18:21	BLM
Perfluorobutanesulfonic acid (PFBS)	ND	2.0	ng/L	1		EPA 537	8/11/17	8/13/17 18:21	BLM
NEtFOSAA	ND	2.0	ng/L	1		EPA 537	8/11/17	8/13/17 18:21	BLM
NMeFOSAA	ND	2.0	ng/L	1		EPA 537	8/11/17	8/13/17 18:21	BLM
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
13C-PFHxA		92.7	70-130					8/13/17 18:21	
13C-PFDA		92.2	70-130					8/13/17 18:21	
d5-NEtFOSAA		93.3	70-130					8/13/17 18:21	

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 30 Indian Ridge Rd., Westfield, M

Sample Description:

Work Order: 17H0504

Date Received: 8/8/2017

Field Sample #: 30-Indian Ridge Rd. - 1

Sampled: 8/8/2017 08:23

Sample ID: 17H0504-03

Sample Matrix: Drinking Water

Miscellaneous Organic Analyses

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date	Date/Time	Analyst
							Prepared	Analyzed	
Perfluoroundecanoic acid (PFUnA)	ND	2.0	ng/L	1		EPA 537	8/11/17	8/15/17 19:58	BLM
Perfluorotridecanoic acid (PFTriDA)	ND	2.0	ng/L	1		EPA 537	8/11/17	8/15/17 19:58	BLM
Perfluorotetradecanoic acid (PFTA)	ND	2.0	ng/L	1		EPA 537	8/11/17	8/15/17 19:58	BLM
Perfluorooctanoic acid (PFOA)	2.9	2.0	ng/L	1		EPA 537	8/11/17	8/15/17 19:58	BLM
Perfluorooctanesulfonic acid (PFOS)	3.1	2.0	ng/L	1		EPA 537	8/11/17	8/15/17 19:58	BLM
Perfluorononanoic acid (PFNA)	ND	2.0	ng/L	1		EPA 537	8/11/17	8/15/17 19:58	BLM
Perfluorohexanoic acid (PFHxA)	2.6	2.0	ng/L	1		EPA 537	8/11/17	8/15/17 19:58	BLM
Perfluorohexanesulfonic acid (PFHxS)	6.8	2.0	ng/L	1		EPA 537	8/11/17	8/15/17 19:58	BLM
Perfluoroheptanoic acid (PFHpA)	ND	2.0	ng/L	1		EPA 537	8/11/17	8/15/17 19:58	BLM
Perfluorododecanoic acid (PFDoA)	ND	2.0	ng/L	1		EPA 537	8/11/17	8/15/17 19:58	BLM
Perfluorodecanoic acid (PFDA)	ND	2.0	ng/L	1		EPA 537	8/11/17	8/15/17 19:58	BLM
Perfluorobutanesulfonic acid (PFBS)	3.5	2.0	ng/L	1		EPA 537	8/11/17	8/15/17 19:58	BLM
NEtFOSAA	ND	2.0	ng/L	1		EPA 537	8/11/17	8/15/17 19:58	BLM
NMeFOSAA	ND	2.0	ng/L	1		EPA 537	8/11/17	8/15/17 19:58	BLM
Surrogates	% Recovery		Recovery Limits		Flag/Qual		Date/Time		
13C-PFHxA	61.9	*	70-130		S-19		8/15/17	19:58	
13C-PFDA	52.4	*	70-130		S-19		8/15/17	19:58	
d5-NEtFOSAA	109		70-130				8/15/17	19:58	



39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 30 Indian Ridge Rd., Westfield, M Sample Description:

Work Order: 17H0504

Date Received: 8/8/2017

Field Sample #: 30-Indian Ridge Rd. - 2

Sampled: 8/8/2017 08:24

Sample ID: 17H0504-04

Sample Matrix: Drinking Water

Miscellaneous Organic Analyses

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Perfluoroundecanoic acid (PFUnA)	ND	2.0	ng/L	1		EPA 537	8/11/17	8/15/17 18:28	BLM
Perfluorotridecanoic acid (PFTriDA)	ND	2.0	ng/L	1		EPA 537	8/11/17	8/15/17 18:28	BLM
Perfluorotetradecanoic acid (PFTA)	ND	2.0	ng/L	1		EPA 537	8/11/17	8/15/17 18:28	BLM
Perfluorooctanoic acid (PFOA)	3.5	2.0	ng/L	1		EPA 537	8/11/17	8/15/17 18:28	BLM
Perfluorooctanesulfonic acid (PFOS)	2.5	2.0	ng/L	1		EPA 537	8/11/17	8/15/17 18:28	BLM
Perfluorononanoic acid (PFNA)	ND	2.0	ng/L	1		EPA 537	8/11/17	8/15/17 18:28	BLM
Perfluorohexanoic acid (PFHxA)	2.8	2.0	ng/L	1		EPA 537	8/11/17	8/15/17 18:28	BLM
Perfluorohexanesulfonic acid (PFHxS)	5.0	2.0	ng/L	1		EPA 537	8/11/17	8/15/17 18:28	BLM
Perfluoroheptanoic acid (PFHpA)	ND	2.0	ng/L	1		EPA 537	8/11/17	8/15/17 18:28	BLM
Perfluorododecanoic acid (PFDoA)	ND	2.0	ng/L	1		EPA 537	8/11/17	8/15/17 18:28	BLM
Perfluorodecanoic acid (PFDA)	ND	2.0	ng/L	1		EPA 537	8/11/17	8/15/17 18:28	BLM
Perfluorobutanesulfonic acid (PFBS)	2.8	2.0	ng/L	1		EPA 537	8/11/17	8/15/17 18:28	BLM
NEtFOSAA	ND	2.0	ng/L	1		EPA 537	8/11/17	8/15/17 18:28	BLM
NMeFOSAA	ND	2.0	ng/L	1		EPA 537	8/11/17	8/15/17 18:28	BLM

Surrogates	% Recovery	Recovery Limits	Flag/Qual	Date/Time Analyzed
13C-PFHxA	53.4 *	70-130	S-19	8/15/17 18:28
13C-PFDA	62.0 *	70-130	S-19	8/15/17 18:28
d5-NEtFOSAA	116	70-130		8/15/17 18:28



39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Sample Extraction Data

Prep Method: EPA 537-EPA 537

Lab Number [Field ID]	Batch	Initial [mL]	Final [mL]	Date
17H0504-01 [Trip Blank]	B183913	250	1.00	08/11/17
17H0504-02 [30-Indian Ridge Rd. - Field Blank]	B183913	250	1.00	08/11/17
17H0504-03 [30-Indian Ridge Rd. - 1]	B183913	250	1.00	08/11/17
17H0504-04 [30-Indian Ridge Rd. - 2]	B183913	250	1.00	08/11/17

QUALITY CONTROL

Miscellaneous Organic Analyses - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B183913 - EPA 537										
Blank (B183913-BLK1)										
Prepared: 08/11/17 Analyzed: 08/13/17										
Perfluoroundecanoic acid (PFUnA)	ND	2.0	ng/L							
Perfluorotridecanoic acid (PFTrDA)	ND	2.0	ng/L							
Perfluorotetradecanoic acid (PFTA)	ND	2.0	ng/L							
Perfluorooctanoic acid (PFOA)	ND	2.0	ng/L							
Perfluorooctanesulfonic acid (PFOS)	ND	2.0	ng/L							
Perfluorononanoic acid (PFNA)	ND	2.0	ng/L							
Perfluorohexanoic acid (PFHxA)	ND	2.0	ng/L							
Perfluorohexanesulfonic acid (PFHxS)	ND	2.0	ng/L							
Perfluoroheptanoic acid (PFHpA)	ND	2.0	ng/L							
Perfluorododecanoic acid (PFDoA)	ND	2.0	ng/L							
Perfluorodecanoic acid (PFDA)	ND	2.0	ng/L							
Perfluorobutanesulfonic acid (PFBS)	ND	2.0	ng/L							
NEtFOSAA	ND	2.0	ng/L							
NMeFOSAA	ND	2.0	ng/L							
Surrogate: 13C-PFHxA	39.5		ng/L	40.0		98.7	70-130			
Surrogate: 13C-PFDA	44.3		ng/L	40.0		111	70-130			
Surrogate: d5-NEtFOSAA	188		ng/L	160		118	70-130			
LCS (B183913-BS1)										
Prepared: 08/11/17 Analyzed: 08/13/17										
Perfluoroundecanoic acid (PFUnA)	2.18	2.0	ng/L	2.00		109	50-150			
Perfluorotridecanoic acid (PFTrDA)	2.01	2.0	ng/L	2.00		100	50-150			
Perfluorotetradecanoic acid (PFTA)	2.01	2.0	ng/L	2.00		101	50-150			
Perfluorooctanoic acid (PFOA)	2.20	2.0	ng/L	2.00		110	50-150			
Perfluorooctanesulfonic acid (PFOS)	2.30	2.0	ng/L	1.85		125	50-150			
Perfluorononanoic acid (PFNA)	1.58	2.0	ng/L	2.00		79.2	50-150			
Perfluorohexanoic acid (PFHxA)	1.95	2.0	ng/L	2.00		97.4	50-150			
Perfluorohexanesulfonic acid (PFHxS)	1.74	2.0	ng/L	1.82		95.8	50-150			
Perfluoroheptanoic acid (PFHpA)	1.75	2.0	ng/L	2.00		87.6	50-150			
Perfluorododecanoic acid (PFDoA)	1.80	2.0	ng/L	2.00		89.8	50-150			
Perfluorodecanoic acid (PFDA)	2.13	2.0	ng/L	2.00		106	50-150			
Perfluorobutanesulfonic acid (PFBS)	1.65	2.0	ng/L	1.77		93.3	50-150			
NEtFOSAA	1.59	2.0	ng/L	2.00		79.4	50-150			
NMeFOSAA	1.92	2.0	ng/L	2.00		95.9	50-150			
Surrogate: 13C-PFHxA	34.0		ng/L	40.0		85.1	70-130			
Surrogate: 13C-PFDA	37.3		ng/L	40.0		93.3	70-130			
Surrogate: d5-NEtFOSAA	169		ng/L	160		105	70-130			
Duplicate (B183913-DUP1)										
Source: 17H0504-03 Prepared: 08/11/17 Analyzed: 08/15/17										
Perfluoroundecanoic acid (PFUnA)	ND	2.0	ng/L		ND			NC	30	
Perfluorotridecanoic acid (PFTrDA)	ND	2.0	ng/L		ND			NC	30	
Perfluorotetradecanoic acid (PFTA)	ND	2.0	ng/L		ND			NC	30	
Perfluorooctanoic acid (PFOA)	3.15	2.0	ng/L		2.89			8.55	30	
Perfluorooctanesulfonic acid (PFOS)	2.81	2.0	ng/L		3.07			8.60	30	
Perfluorononanoic acid (PFNA)	ND	2.0	ng/L		ND			NC	30	
Perfluorohexanoic acid (PFHxA)	2.36	2.0	ng/L		2.62			10.4	30	
Perfluorohexanesulfonic acid (PFHxS)	6.12	2.0	ng/L		6.78			10.2	30	
Perfluoroheptanoic acid (PFHpA)	ND	2.0	ng/L		ND			NC	30	
Perfluorododecanoic acid (PFDoA)	ND	2.0	ng/L		ND			NC	30	
Perfluorodecanoic acid (PFDA)	ND	2.0	ng/L		ND			NC	30	
Perfluorobutanesulfonic acid (PFBS)	3.07	2.0	ng/L		3.55			14.3	30	
NEtFOSAA	ND	2.0	ng/L		ND			NC	30	
NMeFOSAA	ND	2.0	ng/L		ND			NC	30	

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QUALITY CONTROL

Miscellaneous Organic Analyses - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B183913 - EPA 537										
Duplicate (B183913-DUP1)										
		Source: 17H0504-03			Prepared: 08/11/17 Analyzed: 08/15/17					
Surrogate: 13C-PFHxA	23.1		ng/L	40.0		57.8 *	70-130			S-19
Surrogate: 13C-PFDA	21.8		ng/L	40.0		54.4 *	70-130			S-19
Surrogate: d5-NEtFOSAA	174		ng/L	160		109	70-130			
Matrix Spike (B183913-MS1)										
		Source: 17H0504-03			Prepared: 08/11/17 Analyzed: 08/15/17					
Perfluoroundecanoic acid (PFUnA)	3.78	2.0	ng/L	4.00	ND	94.5	70-130			
Perfluorotridecanoic acid (PFTrDA)	3.26	2.0	ng/L	4.00	ND	81.5	70-130			
Perfluorotetradecanoic acid (PFTTA)	3.47	2.0	ng/L	4.00	ND	86.7	70-130			
Perfluorooctanoic acid (PFOA)	7.08	2.0	ng/L	4.00	2.89	105	70-130			
Perfluorooctanesulfonic acid (PFOS)	7.63	2.0	ng/L	3.70	3.07	123	70-130			
Perfluorononanoic acid (PFNA)	2.99	2.0	ng/L	4.00	ND	74.6	70-130			
Perfluorohexanoic acid (PFHxA)	6.10	2.0	ng/L	4.00	2.62	87.1	70-130			
Perfluorohexanesulfonic acid (PFHxS)	11.4	2.0	ng/L	3.64	6.78	128	70-130			
Perfluoroheptanoic acid (PFHpA)	3.77	2.0	ng/L	4.00	0.861	72.7	70-130			
Perfluorododecanoic acid (PFDoA)	3.27	2.0	ng/L	4.00	ND	81.7	70-130			
Perfluorodecanoic acid (PFDA)	2.53	2.0	ng/L	4.00	ND	63.1 *	70-130			MS-07
Perfluorobutanesulfonic acid (PFBS)	7.47	2.0	ng/L	3.54	3.55	111	70-130			
NEtFOSAA	8.73	2.0	ng/L	4.00	ND	218 *	70-130			MS-14
NMeFOSAA	3.09	2.0	ng/L	4.00	ND	77.2	70-130			
Surrogate: 13C-PFHxA	24.1		ng/L	40.0		60.4 *	70-130			S-19
Surrogate: 13C-PFDA	20.3		ng/L	40.0		50.9 *	70-130			S-19
Surrogate: d5-NEtFOSAA	290		ng/L	160		181 *	70-130			S-26



39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

FLAG/QUALIFIER SUMMARY

*	QC result is outside of established limits.
†	Wide recovery limits established for difficult compound.
‡	Wide RPD limits established for difficult compound.
#	Data exceeded client recommended or regulatory level
ND	Not Detected
RL	Reporting Limit
DL	Method Detection Limit
MCL	Maximum Contaminant Level
	Percent recoveries and relative percent differences (RPDs) are determined by the software using values in the calculation which have not been rounded.
	No results have been blank subtracted unless specified in the case narrative section.
MS-07	Matrix spike recovery is outside of control limits. Analysis is in control based on laboratory fortified blank recovery. Possibility of sample matrix effects that lead to low bias for reported result or non-homogeneous sample aliquot cannot be eliminated.
MS-14	Matrix spike recovery is outside of control limits. Data validation is not affected since sample result is "not detected" and recovery bias is on the high side for this compound.
S-19	Surrogate recovery is outside of control limits, matrix interference suspected. Reanalysis yielded similar surrogate non-conformance.
S-26	Surrogate outside of control limits.



39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

CERTIFICATIONS

Certified Analyses included in this Report

Analyte	Certifications
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EPA 537 in Drinking Water

Perfluorooctanoic acid (PFOA)	NH,NY
Perfluorooctanesulfonic acid (PFOS)	NH,NY

The CON-TEST Environmental Laboratory operates under the following certifications and accreditations:

Code	Description	Number	Expires
AIHA	AIHA-LAP, LLC - ISO17025:2005	100033	02/1/2018
MA	Massachusetts DEP	M-MA100	06/30/2018
CT	Connecticut Department of Public Health	PH-0567	09/30/2017
NY	New York State Department of Health	10899 NELAP	04/1/2018
NH-S	New Hampshire Environmental Lab	2516 NELAP	02/5/2018
RI	Rhode Island Department of Health	LAO00112	12/30/2017
NC	North Carolina Div. of Water Quality	652	12/31/2017
NJ	New Jersey DEP	MA007 NELAP	06/30/2018
FL	Florida Department of Health	E871027 NELAP	06/30/2018
VT	Vermont Department of Health Lead Laboratory	LL015036	07/30/2018
ME	State of Maine	2011028	06/9/2019
VA	Commonwealth of Virginia	460217	12/14/2017
NH-P	New Hampshire Environmental Lab	2557 NELAP	09/6/2017
VT-DW	Vermont Department of Health Drinking Water	VT-255716	06/12/2018
NC-DW	North Carolina Department of Health	25703	07/31/2018

Phone: 413-525-2332
Fax: 413-525-6405
Email: info@contestlabs.com

ATC Group Services

73 William Franks Drive, West Springfield, MA

(413) 781-0070

30 Indian Ridge Rd, Westfield

30 Indian Ridge Rd, Westfield

183EM00170

Rob Smith

Con-Test Quote Name/Number:

Invoice Recipient:

Sampled By: Elizabeth O'Connor

Requested Turnaround Time:
 7-Day 10-Day
 Due Date: 5-day TAT

Rush Approval Required:
 1-Day 3-Day
 2-Day 4-Day

Data Delivery:
 Format: PDF EXCEL
 Other:

CLP Like Data Pkg Required:

Email To:

Fax To #:

Con-Test Work Order #	Client Sample ID / Description	Beginning Date/Time	Ending Date/Time	Composite	Grab	Matrix Code	Conc Code
01	Trip blank	8/8/2017	7:35				
01	30 Indian Ridge Rd - field blank	8/8/2017	8:21	X		DW	U
02	30 Indian Ridge Rd - 1	8/8/2017	8:23	X		DW	U
02	30 Indian Ridge Rd - 2	8/8/2017	8:24	X		DW	U

Comments:

RUN EPA Method 537: 30 Indian Ridge Rd-1
EXTRACT & HOLD EPA Method 537: 30 Indian Ridge Rd-field blank & 30 Indian Ridge Rd-2
HOLD As, Fe, Hardness, TOC

Please use the following codes to indicate possible sample concentration within the Conc Code column above:
H - High; M - Medium; L - Low; C - Clean; U - Unknown

Relinquished by: (signature) *[Signature]* Date/Time: 8/8/17 18:20


Received by: (signature) *[Signature]* Date/Time: 8/8/17 18:20

Relinquished by: (signature) *[Signature]* Date/Time: 8/8/17 18:20

Received by: (signature) *[Signature]* Date/Time: 8/8/17 18:20

Relinquished by: (signature) *[Signature]* Date/Time: 8/8/17 18:20

Received by: (signature) *[Signature]* Date/Time: 8/8/17 18:20



MA MCP Required
 MCP Certification Form Required
 CT RCP Required
 RCP Certification Form Required
 MA State DW Required

PWSID #

Project Entity:
 Government Municipality MWRA WRTA Other
 Federal 21 J School Chromatogram
 City Brownfield MBTA AIHA-LAP, LLC

of Containers: 6 1 2
 2 Preservation Code: O N H
 3 Container Code: P P V

ANALYSIS REQUESTED

- 1 Matrix Codes:**
 GW = Ground Water
 WW = Waste Water
 DW = Drinking Water
 A = Air
 S = Soil
 SL = Sludge
 SOL = Solid
 O = Other (please define)
- 2 Preservation Codes:**
 I = Iced
 H = HCl
 M = Methanol
 N = Nitric Acid
 S = Sulfuric Acid
 B = Sodium Bisulfate
 X = Sodium Hydroxide
 T = Sodium Thiosulfate
 O = Other (please define)
 TRIZMA
- 3 Container Codes:**
 A = Amber Glass
 G = Glass
 P = Plastic
 ST = Sterile
 V = Vial
 S = Summa Canister
 T = Tedlar Bag
 O = Other (please define)

PCB ONLY
 Soxhlet
 Non Soxhlet

39 Spruce St.
 East Longmeadow, MA. 01028
 P: 413-525-2332
 F: 413-525-6405
 www.contestlabs.com



con-test
 ANALYTICAL LABORATORY

Doc# 277 Rev 5 2017

Login Sample Receipt Checklist - (Rejection Criteria Listing - Using Acceptance Policy) Any False Statement will be brought to the attention of the Client - State True or False

Client ATC
 Received By PB Date 8.8.17 Time 18:20
 How were the samples received? In Cooler T No Cooler _____ On Ice T No Ice _____
 Direct from Sampling _____ Ambient _____ Melted Ice _____
 Were samples within Temperature? 2-6°C T By Gun # 1 Actual Temp -5.9
 By Blank # _____ Actual Temp _____
 Was Custody Seal Intact? NA Were Samples Tampered with? F
 Was COC Relinquished? T Does Chain Agree With Samples? T
 Are there broken/leaking/loose caps on any samples? F
 Is COC in ink/ Legible? T Were samples received within holding time? T
 Did COC include all pertinent Information? Client T Analysis T Sampler Name T
 Project T ID's T Collection Dates/Times T
 Are Sample labels filled out and legible? T
 Are there Lab to Filters? F Who was notified? _____
 Are there Rushes? F Who was notified? _____
 Are there Short Holds? F Who was notified? _____
 Is there enough Volume? T
 Is there Headspace where applicable? NA MS/MSD? NA
 Proper Media/Containers Used? T Is splitting samples required? NA
 Were trip blanks received? F On COC? NA
 Do all samples have the proper pH? T Acid T Base _____

Visits	#	Containers	#	#	#
Unp-		1 Liter Amb.		1 Liter Plastic	16 oz Amb.
HCL-		500 mL Amb.		500 mL Plastic	8oz Amb/Clear
Meoh-		250 mL Amb.		250 mL Plastic	4oz Amb/Clear
Bisulfate-		Col./Bacteria		Flashpoint	2oz Amb/Clear
DI-		Other Plastic		Other Glass	Encore
Thiosulfate-		SOC Kit		Plastic Bag	Frozen:
Sulfuric-		Perchlorate		Ziplock	

Unused Media

Visits	#	Containers	#	#	#
Unp-		1 Liter Amb.		1 Liter Plastic	16 oz Amb.
HCL-		500 mL Amb.		500 mL Plastic	8oz Amb/Clear
Meoh-		250 mL Amb.		250 mL Plastic	4oz Amb/Clear
Bisulfate-		Col./Bacteria		Flashpoint	2oz Amb/Clear
DI-		Other Plastic		Other Glass	Encore
Thiosulfate-		SOC Kit		Plastic Bag	Frozen:
Sulfuric-		Perchlorate		Ziplock	

Comments:



Commonwealth of Massachusetts
Executive Office of Energy & Environmental Affairs

Department of Environmental Protection

Western Regional Office • 436 Dwight Street, Springfield MA 01103 • 413-784-1100

Charles D. Baker
Governor

Karyn E. Polito
Lieutenant Governor

Matthew A. Beaton
Secretary

Martin Suuberg
Commissioner

September 13, 2017

James Reed
1343 Southampton Road
Westfield, MA 01085

RE: Notice of Environmental Sampling
1343 Southampton Road
Westfield Private Well Sampling

Dear Mr. Reed:

The Department of Environmental Protection (DEP) collected a drinking water sample from your private well on August 8, 2017. The purpose of the sampling was to investigate whether your well has been affected by a release of perfluorinated compounds (PFCs) to local groundwater. The sample was sent to a certified laboratory and analyzed for PFC compounds by modified United States Protection Agency (EPA) Method 317.1. EPA has established a Lifetime Health Advisory level at 70 parts per trillion (ppt), for two specific compounds which have been the most extensively used and studied, PFOA (perfluorooctanoic acid) and PFOS (perfluorooctane sulfonic acid). If both PFOA and PFOS are identified in drinking water the combined concentrations are compared to the 70 ppt health advisory level. The Health Advisory offers a margin of protection from a lifetime of exposure to PFOA and PFOS for all individuals from adverse health effects resulting from exposure from PFOA and PFOS in drinking water. ¹

The sampling result indicated a total PFOA and PFOS concentration of 10.3 ppt in the drinking water sample. The results of a duplicate sample confirmed these results. This concentration is well below the health advisory level of 70 ppt. Based on the low concentrations of PFC compounds detected in the sample collected from your well, no further action, including additional sampling and/or mitigation measures (i.e. bottled water) are required at this time. However, additional sampling may be required in the future. The Department thanks you for granting access to your property.

This information is available in alternate format. Contact Michelle Waters-Ekanem, Director of Diversity/Civil Rights at 617-292-5751.

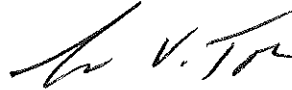
TTY# MassRelay Service 1-800-439-2370

MassDEP Website: www.mass.gov/dep

Printed on Recycled Paper

If you have any questions pertaining to this Notice of Environmental Sampling or with the information contained within, please feel free to contact David Bachand at (413) 755-2221 or Cynthia Pawloski at (413) 755-2247.

Sincerely,



Eva Tor
Deputy Regional Director
Bureau of Waste Site Cleanup

¹ Fact Sheet PFOA & PFOS Drinking Water Health Advisories. EPA, EPA 800 F-16-003, June 2016

Attachments: Notice of Environmental Sampling (BWSC-123)
Laboratory Report

cc : Mayor, City of Westfield
Barnes ANG-John Richardson
Barnes Aquifer Protection Committee
Westfield DPW – David Billips
Westfield Health Department
Westfield Councilor Mary Ann Babinski
Dr. Marc A. Nascarella, Ph.D/DPH

cc:

Denise Andler, DEP WERO
Data Entry: FOLOFF, FOLFLD



Massachusetts Department of Environmental Protection
Bureau of Waste Site Cleanup

BWSC123

This Notice is Related to:
 Release Tracking Number

NOTICE OF ENVIRONMENTAL SAMPLING

As required by 310 CMR 40.1403(10) of the Massachusetts Contingency Plan

1 - 20093

A. The address of the disposal site related to this Notice and Release Tracking Number (provided above):

1. Street Address: 175 Falcon Drive
 City/Town: Westfield Zip Code: 01085

B. This notice is being provided to the following party:

1. Name: James Reed
 2. Street Address: 1343 Southampton Road
 City/Town: Westfield Zip Code: 01085

C. This notice is being given to inform its recipient (the party listed in Section B):

- 1. That environmental sampling will be/has been conducted at property owned by the recipient of this notice.
- 2. Of the results of environmental sampling conducted at property owned by the recipient of this notice.
- 3. Check to indicate if the analytical results are attached. (If item 2. above is checked, the analytical results from the environmental sampling must be attached to this notice.)

D. Location of the property where the environmental sampling will be/has been conducted:

1. Street Address: 1343 Southampton Road
 City/Town: Westfield Zip Code: 01085

2. MCP phase of work during which the sampling will be/has been conducted:

- | | |
|---|--|
| <input checked="" type="checkbox"/> Immediate Response Action | <input type="checkbox"/> Phase III Feasibility Evaluation |
| <input type="checkbox"/> Release Abatement Measure | <input type="checkbox"/> Phase IV Remedy Implementation Plan |
| <input type="checkbox"/> Utility-related Abatement Measure | <input type="checkbox"/> Phase V/Remedy Operation Status |
| <input type="checkbox"/> Phase I Initial Site Investigation | <input type="checkbox"/> Post-Temporary Solution Operation, Maintenance and Monitoring |
| <input type="checkbox"/> Phase II Comprehensive Site Assessment | <input type="checkbox"/> Other _____ |
- (specify)

3. Description of property where sampling will be/has been conducted:

- residential commercial industrial school/playground Other _____
- (specify)

4. Description of the sampling locations and types (e.g., soil, groundwater, indoor air, soil gas) to the extent known at the time of this notice.

Drinking water samples were collected from the private well located on the above-referenced property and analyzed for PHAS compounds via EPA Method 537.1

E. Contact information related to the party providing this notice:

Contact Name: Department of Environmental Protection
 Street Address: 436 Dwight Street
 City/Town: Springfield Zip Code: 01103
 Telephone: (413) 755-2221 Email: david.bachand.jr@state.ma.us



Massachusetts Department of Environmental Protection
Bureau of Waste Site Cleanup

BWSC123

This Notice is Related to:
Release Tracking Number

NOTICE OF ENVIRONMENTAL SAMPLING

1 - 20093

As required by 310 CMR 40.1403(10) of the Massachusetts Contingency Plan

MASSACHUSETTS REGULATIONS THAT REQUIRE THIS NOTICE

This notice is being provided pursuant to the Massachusetts Contingency Plan and the notification requirement at 310 CMR 40.1403(10). The Massachusetts Contingency Plan is a state regulation that specifies requirements for parties who are taking actions to address releases of chemicals (oil or hazardous material) to the environment.

THE PERSON(S) PROVIDING THIS NOTICE

This notice has been sent to you by the party who is addressing a release of oil or hazardous material to the environment at the location listed in **Section A** on the reverse side of this form. (The regulations refer to the area where the oil or hazardous material is present as the "disposal site".)

PURPOSE OF THIS NOTICE

When environmental samples are taken as part of an investigation of a release for which a notification to MassDEP has been made under the Massachusetts Contingency Plan (310 CMR 40.0300) on behalf of someone other than the owner of the property, the regulations require that the property owner (listed in **Section B** on the reverse side of this form) be given notice of the environmental sampling. The regulations also require that the property owner subsequently receive the analytical results following the analysis of the environmental samples.

Section C on the reverse side of this form indicates the circumstance under which you are receiving this notice at this time. If you are receiving this notice to inform you of the analytical results following the analysis of the environmental samples, you should also have received, as an attachment, a copy of analytical results. These results should indicate the number and type(s) of samples (e.g., soil, groundwater) analyzed, any chemicals identified, and the measured concentrations of those chemicals.

Section D on the reverse side of this form identifies the property where the environmental sampling will be/has been conducted, provides a description of the sampling locations within the property, and indicates the phase of work under the Massachusetts Contingency Plan regulatory process during which the samples will be/were collected.

FOR MORE INFORMATION

Information about the general process for addressing releases of oil or hazardous material under the Massachusetts Contingency Plan and related public involvement opportunities may be found at <http://www.mass.gov/eea/agencies/massdep/cleanup>. For more information regarding this notice, you may contact the party listed in **Section E** on the reverse side of this form. Information about the disposal site identified in Section A is also available in files at the Massachusetts Department of Environmental Protection. See <http://public.dep.state.ma.us/SearchableSites2/Search.aspx> to view site-specific files on-line or <http://mass.gov/eea/agencies/massdep/about/contacts/conduct-a-file-review.html> if you would like to make an appointment to see these files in person. Please reference the **Release Tracking Number** listed in the upper right hand corner on the reverse side of this form when making file review appointments.



39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

August 25, 2017

Rob Smith
ATC Group Services LLC - West Springfield
73 Williams Franks Drive
West Springfield, MA 01089

Project Location: 1343 Southampton Rd., Westfield
Client Job Number:
Project Number: 183EM00170
Laboratory Work Order Number: 17H0511

Enclosed are results of analyses for samples received by the laboratory on August 8, 2017. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

A handwritten signature in black ink that reads "Kerry K. McGee". The signature is written in a cursive, flowing style.

Kerry K. McGee
Project Manager

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

ATC Group Services LLC - West Springfield
 73 Williams Franks Drive
 West Springfield, MA 01089
 ATTN: Rob Smith

REPORT DATE: 8/25/2017

PURCHASE ORDER NUMBER:

PROJECT NUMBER: 183EM00170

ANALYTICAL SUMMARY

WORK ORDER NUMBER: 17H0511

The results of analyses performed on the following samples submitted to the CON-TEST Analytical Laboratory are found in this report.

PROJECT LOCATION: 1343 Southampton Rd., Westfield

FIELD SAMPLE #	LAB ID:	MATRIX	SAMPLE DESCRIPTION	TEST	SUB LAB
1343 Southampton Rd.- Field Blank	17H0511-01	Field Blank		EPA 537	
1343 Southampton Rd.-1	17H0511-02	Drinking Water		EPA 537	
1343 Southampton Rd.-2	17H0511-03	Drinking Water		EPA 537	



39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

CASE NARRATIVE SUMMARY

All reported results are within defined laboratory quality control objectives unless listed below or otherwise qualified in this report.

The results of analyses reported only relate to samples submitted to the Con-Test Analytical Laboratory for testing. I certify that the analyses listed above, unless specifically listed as subcontracted, if any, were performed under my direction according to the approved methodologies listed in this document, and that based upon my inquiry of those individuals immediately responsible for obtaining the information, the material contained in this report is, to the best of my knowledge and belief, accurate and complete.

A handwritten signature in black ink, appearing to read "Lisa A. Worthington". The signature is written in a cursive, flowing style.

Lisa A. Worthington
Project Manager

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 1343 Southampton Rd., Westfield

Sample Description:

Work Order: 17H0511

Date Received: 8/8/2017

Field Sample #: 1343 Southampton Rd.- Field Blank

Sampled: 8/8/2017 14:31

Sample ID: 17H0511-01

Sample Matrix: Field Blank

Miscellaneous Organic Analyses

Analyte	Results	MCL/SMCL		Units	Dilution	Flag/Qual	Method	Date	Date/Time	Analyst
		RL	MA ORSG					Prepared	Analyzed	
Perfluoroundecanoic acid (PFUnA)	ND	2.0	2	ng/L	1		EPA 537	8/13/17	8/16/17 19:59	BLM
Perfluorotridecanoic acid (PFTriDA)	ND	2.0	2	ng/L	1		EPA 537	8/13/17	8/16/17 19:59	BLM
Perfluorotetradecanoic acid (PFTTA)	ND	2.0	2	ng/L	1		EPA 537	8/13/17	8/16/17 19:59	BLM
Perfluorooctanoic acid (PFOA)	ND	2.0	2	ng/L	1		EPA 537	8/13/17	8/16/17 19:59	BLM
Perfluorooctanesulfonic acid (PFOS)	ND	2.0	2	ng/L	1		EPA 537	8/13/17	8/16/17 19:59	BLM
Perfluorononanoic acid (PFNA)	ND	2.0	2	ng/L	1		EPA 537	8/13/17	8/16/17 19:59	BLM
Perfluorohexanoic acid (PFHxA)	ND	2.0	2	ng/L	1		EPA 537	8/13/17	8/16/17 19:59	BLM
Perfluorohexanesulfonic acid (PFHxS)	ND	2.0	2	ng/L	1		EPA 537	8/13/17	8/16/17 19:59	BLM
Perfluoroheptanoic acid (PFHpA)	ND	2.0	2	ng/L	1		EPA 537	8/13/17	8/16/17 19:59	BLM
Perfluorododecanoic acid (PFDoA)	ND	2.0	2	ng/L	1		EPA 537	8/13/17	8/16/17 19:59	BLM
Perfluorodecanoic acid (PFDA)	ND	2.0	2	ng/L	1		EPA 537	8/13/17	8/16/17 19:59	BLM
Perfluorobutanesulfonic acid (PFBS)	ND	2.0	2	ng/L	1		EPA 537	8/13/17	8/16/17 19:59	BLM
NEtFOSAA	ND	2.0		ng/L	1		EPA 537	8/13/17	8/16/17 19:59	BLM
NMeFOSAA	ND	2.0		ng/L	1		EPA 537	8/13/17	8/16/17 19:59	BLM

Surrogates	% Recovery	Recovery Limits	Flag/Qual
13C-PFHxA	104	70-130	8/16/17 19:59
13C-PFDA	123	70-130	8/16/17 19:59
d5-NEtFOSAA	129	70-130	8/16/17 19:59

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 1343 Southampton Rd., Westfield

Sample Description:

Work Order: 17H0511

Date Received: 8/8/2017

Field Sample #: 1343 Southampton Rd.-1

Sampled: 8/8/2017 14:35

Sample ID: 17H0511-02

Sample Matrix: Drinking Water

Miscellaneous Organic Analyses

Analyte	Results	MCL/SMCL			Units	Dilution	Flag/Qual	Method	Date	Date/Time	Analyst
		RL	MA	ORSG					Prepared	Analyzed	
Perfluoroundecanoic acid (PFUnA)	ND	2.0	2		ng/L	1	EPA 537	8/13/17	8/16/17 20:50	BLM	
Perfluorotridecanoic acid (PFTriDA)	ND	2.0	2		ng/L	1	EPA 537	8/13/17	8/16/17 20:50	BLM	
Perfluorotetradecanoic acid (PFTA)	ND	2.0	2		ng/L	1	EPA 537	8/13/17	8/16/17 20:50	BLM	
# Perfluorooctanoic acid (PFOA)	5.6	2.0	2		ng/L	1	EPA 537	8/13/17	8/16/17 20:50	BLM	
# Perfluorooctanesulfonic acid (PFOS)	4.7	2.0	2		ng/L	1	EPA 537	8/13/17	8/16/17 20:50	BLM	
Perfluorononanoic acid (PFNA)	ND	2.0	2		ng/L	1	EPA 537	8/13/17	8/16/17 20:50	BLM	
# Perfluorohexanoic acid (PFHxA)	5.7	2.0	2		ng/L	1	EPA 537	8/13/17	8/16/17 20:50	BLM	
# Perfluorohexanesulfonic acid (PFHxS)	8.3	2.0	2		ng/L	1	EPA 537	8/13/17	8/16/17 20:50	BLM	
Perfluoroheptanoic acid (PFHpA)	ND	2.0	2		ng/L	1	EPA 537	8/13/17	8/16/17 20:50	BLM	
Perfluorododecanoic acid (PFDoA)	ND	2.0	2		ng/L	1	EPA 537	8/13/17	8/16/17 20:50	BLM	
Perfluorodecanoic acid (PFDA)	ND	2.0	2		ng/L	1	EPA 537	8/13/17	8/16/17 20:50	BLM	
# Perfluorobutanesulfonic acid (PFBS)	2.3	2.0	2		ng/L	1	EPA 537	8/13/17	8/16/17 20:50	BLM	
NEtFOSAA	ND	2.0			ng/L	1	EPA 537	8/13/17	8/16/17 20:50	BLM	
NMeFOSAA	ND	2.0			ng/L	1	EPA 537	8/13/17	8/16/17 20:50	BLM	
Surrogates		% Recovery	Recovery Limits			Flag/Qual					
13C-PFHxA		124	70-130					8/16/17 20:50			
13C-PFDA		112	70-130					8/16/17 20:50			
d5-NEtFOSAA		93.3	70-130					8/16/17 20:50			

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 1343 Southampton Rd., Westfield

Sample Description:

Work Order: 17H0511

Date Received: 8/8/2017

Field Sample #: 1343 Southampton Rd.-2

Sampled: 8/8/2017 14:37

Sample ID: 17H0511-03

Sample Matrix: Drinking Water

Miscellaneous Organic Analyses

Analyte	Results	MCL/SMCL		Units	Dilution	Flag/Qual	Method	Date	Date/Time	Analyst
		RL	MA ORSG					Prepared	Analyzed	
Perfluoroundecanoic acid (PFUnA)	ND	2.0	2	ng/L	1		EPA 537	8/13/17	8/16/17 21:03	BLM
Perfluorotridecanoic acid (PFTrDA)	ND	2.0	2	ng/L	1		EPA 537	8/13/17	8/16/17 21:03	BLM
Perfluorotetradecanoic acid (PFTA)	ND	2.0	2	ng/L	1		EPA 537	8/13/17	8/16/17 21:03	BLM
# Perfluorooctanoic acid (PFOA)	5.3	2.0	2	ng/L	1		EPA 537	8/13/17	8/16/17 21:03	BLM
# Perfluorooctanesulfonic acid (PFOS)	3.9	2.0	2	ng/L	1		EPA 537	8/13/17	8/16/17 21:03	BLM
Perfluorononanoic acid (PFNA)	ND	2.0	2	ng/L	1		EPA 537	8/13/17	8/16/17 21:03	BLM
# Perfluorohexanoic acid (PFHxA)	4.7	2.0	2	ng/L	1		EPA 537	8/13/17	8/16/17 21:03	BLM
# Perfluorohexanesulfonic acid (PFHxS)	5.6	2.0	2	ng/L	1		EPA 537	8/13/17	8/16/17 21:03	BLM
Perfluoroheptanoic acid (PFHpA)	ND	2.0	2	ng/L	1		EPA 537	8/13/17	8/16/17 21:03	BLM
Perfluorododecanoic acid (PFDoA)	ND	2.0	2	ng/L	1		EPA 537	8/13/17	8/16/17 21:03	BLM
Perfluorodecanoic acid (PFDA)	ND	2.0	2	ng/L	1		EPA 537	8/13/17	8/16/17 21:03	BLM
Perfluorobutanesulfonic acid (PFBS)	ND	2.0	2	ng/L	1		EPA 537	8/13/17	8/16/17 21:03	BLM
NEtFOSAA	ND	2.0		ng/L	1		EPA 537	8/13/17	8/16/17 21:03	BLM
NMeFOSAA	ND	2.0		ng/L	1		EPA 537	8/13/17	8/16/17 21:03	BLM
Surrogates		% Recovery	Recovery Limits			Flag/Qual				
13C-PFHxA		89.3	70-130						8/16/17 21:03	
13C-PFDA		116	70-130						8/16/17 21:03	
d5-NEtFOSAA		104	70-130						8/16/17 21:03	



39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Sample Extraction Data

Prep Method: EPA 537-EPA 537

Lab Number [Field ID]	Batch	Initial [mL]	Final [mL]	Date
17H0511-01 [1343 Southampton Rd.- Field Blank]	B183955	250	1.00	08/13/17
17H0511-02 [1343 Southampton Rd.-1]	B183955	250	1.00	08/13/17
17H0511-03 [1343 Southampton Rd.-2]	B183955	250	1.00	08/13/17

QUALITY CONTROL

Miscellaneous Organic Analyses - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B183955 - EPA 537										
Blank (B183955-BLK1)										
Prepared: 08/13/17 Analyzed: 08/15/17										
Perfluoroundecanoic acid (PFUnA)	ND	2.0	ng/L							
Perfluorotridecanoic acid (PFTriDA)	ND	2.0	ng/L							
Perfluorotetradecanoic acid (PFTA)	ND	2.0	ng/L							
Perfluorooctanoic acid (PFOA)	ND	2.0	ng/L							
Perfluorooctanesulfonic acid (PFOS)	ND	2.0	ng/L							
Perfluorononanoic acid (PFNA)	ND	2.0	ng/L							
Perfluorohexanoic acid (PFHxA)	ND	2.0	ng/L							
Perfluorohexanesulfonic acid (PFHxS)	ND	2.0	ng/L							
Perfluoroheptanoic acid (PFHpA)	ND	2.0	ng/L							
Perfluorododecanoic acid (PFDoA)	ND	2.0	ng/L							
Perfluorodecanoic acid (PFDA)	ND	2.0	ng/L							
Perfluorobutanesulfonic acid (PFBS)	ND	2.0	ng/L							
NEtFOSAA	ND	2.0	ng/L							
NMeFOSAA	ND	2.0	ng/L							
Surrogate: 13C-PFHxA	47.9		ng/L	40.0		120	70-130			
Surrogate: 13C-PFDA	41.6		ng/L	40.0		104	70-130			
Surrogate: d5-NEtFOSAA	207		ng/L	160		129	70-130			
LCS (B183955-BS1)										
Prepared: 08/13/17 Analyzed: 08/16/17										
Perfluoroundecanoic acid (PFUnA)	25.6	2.0	ng/L	20.0		128	70-130			
Perfluorotridecanoic acid (PFTriDA)	21.1	2.0	ng/L	20.0		105	70-130			
Perfluorotetradecanoic acid (PFTA)	21.5	2.0	ng/L	20.0		107	70-130			
Perfluorooctanoic acid (PFOA)	18.9	2.0	ng/L	20.0		94.6	70-130			
Perfluorooctanesulfonic acid (PFOS)	20.2	2.0	ng/L	18.5		109	70-130			
Perfluorononanoic acid (PFNA)	16.7	2.0	ng/L	20.0		83.5	70-130			
Perfluorohexanoic acid (PFHxA)	20.4	2.0	ng/L	20.0		102	70-130			
Perfluorohexanesulfonic acid (PFHxS)	18.8	2.0	ng/L	18.2		103	70-130			
Perfluoroheptanoic acid (PFHpA)	18.7	2.0	ng/L	20.0		93.7	70-130			
Perfluorododecanoic acid (PFDoA)	20.8	2.0	ng/L	20.0		104	70-130			
Perfluorodecanoic acid (PFDA)	21.4	2.0	ng/L	20.0		107	70-130			
Perfluorobutanesulfonic acid (PFBS)	18.3	2.0	ng/L	17.7		103	70-130			
NEtFOSAA	22.1	2.0	ng/L	20.0		111	70-130			
NMeFOSAA	21.1	2.0	ng/L	20.0		106	70-130			
Surrogate: 13C-PFHxA	35.9		ng/L	40.0		89.8	70-130			
Surrogate: 13C-PFDA	37.8		ng/L	40.0		94.5	70-130			
Surrogate: d5-NEtFOSAA	167		ng/L	160		105	70-130			



39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

FLAG/QUALIFIER SUMMARY

*	QC result is outside of established limits.
†	Wide recovery limits established for difficult compound.
‡	Wide RPD limits established for difficult compound.
#	Data exceeded client recommended or regulatory level
ND	Not Detected
RL	Reporting Limit
DL	Method Detection Limit
MCL	Maximum Contaminant Level

Percent recoveries and relative percent differences (RPDs) are determined by the software using values in the calculation which have not been rounded.

No results have been blank subtracted unless specified in the case narrative section.



39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

CERTIFICATIONS

Certified Analyses included in this Report

Analyte	Certifications
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EPA 537 in Drinking Water

Perfluorooctanoic acid (PFOA)	NH,NY
Perfluorooctanesulfonic acid (PFOS)	NH,NY

The CON-TEST Environmental Laboratory operates under the following certifications and accreditations:

Code	Description	Number	Expires
AIHA	AIHA-LAP, LLC - ISO17025:2005	100033	02/1/2018
MA	Massachusetts DEP	M-MA100	06/30/2018
CT	Connecticut Department of Public Health	PH-0567	09/30/2017
NY	New York State Department of Health	10899 NELAP	04/1/2018
NH-S	New Hampshire Environmental Lab	2516 NELAP	02/5/2018
RI	Rhode Island Department of Health	LAO00112	12/30/2017
NC	North Carolina Div. of Water Quality	652	12/31/2017
NJ	New Jersey DEP	MA007 NELAP	06/30/2018
FL	Florida Department of Health	E871027 NELAP	06/30/2018
VT	Vermont Department of Health Lead Laboratory	LL015036	07/30/2018
ME	State of Maine	2011028	06/9/2019
VA	Commonwealth of Virginia	460217	12/14/2017
NH-P	New Hampshire Environmental Lab	2557 NELAP	09/6/2017
VT-DW	Vermont Department of Health Drinking Water	VT-255716	06/12/2018
NC-DW	North Carolina Department of Health	25703	07/31/2018



Company Name: ATC Group Services Address: 73 William Franks Drive, West Springfield, MA Phone: (413) 781-0070 Project Name: 1343 Southampton Rd, Westfield Project Location: 1343 Southampton Rd, Westfield Project Number: 183EM00170 Project Manager: Rob Smith Con-Test Quote Name/Number: Invoice Recipient: Sampled By: Elizabeth O'Connor		Requested Turnaround Time 7-Day <input type="checkbox"/> 10-Day <input type="checkbox"/> Due Date: 5-day TAT Push-Approval Required 1-Day <input type="checkbox"/> 3-Day <input type="checkbox"/> 2-Day <input type="checkbox"/> 4-Day <input type="checkbox"/> Data Delivery Format: PDF <input checked="" type="checkbox"/> EXCEL <input checked="" type="checkbox"/> Other: CLP Like Data Pkg Required: <input type="checkbox"/> Email To: Fax To #:					
Con-Test Work Order # Client Sample ID / Description Beginning Date / Time Ending Date / Time Matrix Code Conc Code		EPA METHOD 537 ANALYSIS REQUESTED TOTAL As, Fe, HARDNESS, TOC					
01	1343 Southampton Rd - field blank	8/8/2017	14:31	X	DW	U	X
02	1343 Southampton Rd - 1	8/8/2017	14:35	X	DW	U	X
03	1343 Southampton Rd - 2	8/8/2017	14:37	X	DW	U	X
Comments: RUN EPA Method 537: 1343 Southampton Rd-1 EXTRACT & HOLD EPA Method 537: 1343 Southampton Rd-field blank & 1343 Southampton Rd-2 HOLD As, Fe, Hardness, TOC							
Relinquished by: (signature) Date/Time: 8/8/17 18:20				Special Requirements MA MCP Required <input type="checkbox"/> MCP Certification Form Required <input type="checkbox"/> CT RCP Required <input type="checkbox"/> RCP Certification Form Required <input type="checkbox"/> MA State DW Required <input type="checkbox"/>			
Received by: (signature) Date/Time: 8/8/17 1820				PWSID #			
Relinquished by: (signature) Date/Time:				Project Entity <input type="checkbox"/> Municipality <input type="checkbox"/> Government <input type="checkbox"/> Federal <input type="checkbox"/> City			
Received by: (signature) Date/Time:				Other <input type="checkbox"/> MWRA <input type="checkbox"/> WRTA <input type="checkbox"/> School <input type="checkbox"/> MBTA			
Relinquished by: (signature) Date/Time:				Chromatogram <input type="checkbox"/> AIHA-LAP, LLC			

Matrix Codes:
 GW = Ground Water
 WW = Waste Water
 DW = Drinking Water
 A = Air
 S = Soil
 SL = Sludge
 SOL = Solid
 O = Other (please define)

Preservation Codes:
 I = Iced
 H = HCL
 M = Methanol
 N = Nitric Acid
 S = Sulfuric Acid
 X = Sodium Hydroxide
 T = Sodium Thiosulfate
 O = Other (please define)
 TRIZMA

Container Codes:
 A = Amber Glass
 G = Glass
 P = Plastic
 ST = Sterile
 V = Vial
 S = Summa Canister
 T = Tediar Bag
 O = Other (please define)

PCB ONLY
 Soxhlet
 Non Soxhlet

39 Spruce St.
 East Longmeadow, MA. 01028
 P: 413-525-2332
 F: 413-525-6405
 www.contestlabs.com



Doc# 277 Rev 5 2017

Login Sample Receipt Checklist - (Rejection Criteria Listing - Using Acceptance Policy) Any False Statement will be brought to the attention of the Client - State True or False

Client ATC
 Received By PB Date 8.8.17 Time 18:20
 How were the samples received? In Cooler T No Cooler _____ On Ice T No Ice _____
 Direct from Sampling _____ Ambient _____ Melted Ice _____
 Were samples within Temperature? 2-6°C T By Gun # 1 Actual Temp - 5.9
 By Blank # _____ Actual Temp - _____
 Was Custody Seal Intact? NA Were Samples Tampered with? F
 Was COC Relinquished? T Does Chain Agree With Samples? T
 Are there broken/leaking/loose caps on any samples? F
 Is COC in ink/ Legible? T Were samples received within holding time? T
 Did COC include all Client Analysis T Sampler Name T
 pertinent Information? Project T ID's T Collection Dates/Times T
 Are Sample labels filled out and legible? T
 Are there Lab to Filters? F Who was notified? _____
 Are there Rushes? F Who was notified? _____
 Are there Short Holds? F Who was notified? _____
 Is there enough Volume? T
 Is there Headspace where applicable? NA MS/MSD? NA
 Proper Media/Containers Used? T Is splitting samples required? NA
 Were trip blanks received? T On COC? NA
 Do all samples have the proper pH? T Acid T Base _____

Vials	#	Containers	#	#	#
Unp-		1 Liter Amb.		1 Liter Plastic	16 oz Amb.
HCL-		500 mL Amb.		500 mL Plastic	8oz Amb/Clear
Meoh-		250 mL Amb.		250 mL Plastic	4oz Amb/Clear
Bisulfate-		Col./Bacteria		Flashpoint	2oz Amb/Clear
DI-		Other Plastic		Other Glass	Encore
Thiosulfate-		SOC Kit		Plastic Bag	Frozen:
Sulfuric-		Perchlorate		Ziplock	

Unused Media

Vials	#	Containers	#	#	#
Unp-		1 Liter Amb.		1 Liter Plastic	16 oz Amb.
HCL-		500 mL Amb.		500 mL Plastic	8oz Amb/Clear
Meoh-		250 mL Amb.		250 mL Plastic	4oz Amb/Clear
Bisulfate-		Col./Bacteria		Flashpoint	2oz Amb/Clear
DI-		Other Plastic		Other Glass	Encore
Thiosulfate-		SOC Kit		Plastic Bag	Frozen:
Sulfuric-		Perchlorate		Ziplock	

Comments:



Commonwealth of Massachusetts
Executive Office of Energy & Environmental Affairs

Department of Environmental Protection

Western Regional Office • 436 Dwight Street, Springfield MA 01103 • 413-784-1100

Charles D. Baker
Governor

Karyn E. Polito
Lieutenant Governor

Matthew A. Beaton
Secretary

Martin Suuberg
Commissioner

September 13, 2017

Semen Kovalyuk
247 Buck Pond Road
Westfield, MA 01085

RE: Notice of Environmental Sampling
247 Buck Pond Road
Westfield Private Well Sampling

Dear Semen Kovalyuk:

The Department of Environmental Protection (DEP) collected a drinking water sample from your private well on August 8, 2017. The purpose of the sampling was to investigate whether your well has been affected by a release of perfluorinated compounds (PFCs) to local groundwater. The sample was sent to a certified laboratory and analyzed for PFC compounds by modified United States Protection Agency (EPA) Method 317.1. EPA has established a Lifetime Health Advisory level at 70 parts per trillion (ppt), for two specific compounds which have been the most extensively used and studied, PFOA (perfluorooctanoic acid) and PFOS (perfluorooctane sulfonic acid). If both PFOA and PFOS are identified in drinking water the combined concentrations are compared to the 70 ppt health advisory level. The Health Advisory offers a margin of protection from a lifetime of exposure to PFOA and PFOS for all individuals from adverse health effects resulting from exposure from PFOA and PFOS in drinking water. ¹

The sampling result indicated a total PFOA and PFOS concentration of 10.5 ppt in the drinking water sample. The results of a duplicate sample confirmed these results. This concentration is well below the health advisory level of 70 ppt. Based on the low concentrations of PFC compounds detected in the sample collected from your well, no further action, including additional sampling and/or mitigation measures (i.e. bottled water) are required at this time. However, additional sampling may be required in the future. The Department thanks you for granting access to your property.

This information is available in alternate format. Contact Michelle Waters-Ekanem, Director of Diversity/Civil Rights at 617-292-5751.

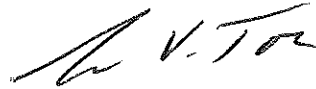
TTY# MassRelay Service 1-800-439-2370

MassDEP Website: www.mass.gov/dep

Printed on Recycled Paper

If you have any questions pertaining to this Notice of Environmental Sampling or with the information contained within, please feel free to contact David Bachand at (413) 755-2221 or Cynthia Pawloski at (413) 755-2247.

Sincerely,



Eva Tor
Deputy Regional Director
Bureau of Waste Site Cleanup

¹ Fact Sheet PFOA & PFOS Drinking Water Health Advisories. EPA, EPA 800 F-16-003, June 2016

Attachments: Notice of Environmental Sampling (BWSC-123)
Laboratory Report

cc : Mayor, City of Westfield
Barnes ANG-John Richardson
Barnes Aquifer Protection Committee
Westfield DPW – David Billips
Westfield Health Department
Westfield Councilor Mary Ann Babinski
Dr. Marc A. Nascarella, Ph.D/DPH

cc:

Denise Andler, DEP WERO
Data Entry: FOLOFF, FOLFLD



NOTICE OF ENVIRONMENTAL SAMPLING

As required by 310 CMR 40.1403(10) of the Massachusetts Contingency Plan

1 - 20093

A. The address of the disposal site related to this Notice and Release Tracking Number (provided above):

1. Street Address: 175 Falcon Drive
City/Town: Westfield Zip Code: 01085

B. This notice is being provided to the following party:

1. Name: Semen Kovalyuk
2. Street Address: 247 Buck Pond Road
City/Town: Westfield Zip Code: 01085

C. This notice is being given to inform its recipient (the party listed in Section B):

- 1. That environmental sampling will be/has been conducted at property owned by the recipient of this notice.
- 2. Of the results of environmental sampling conducted at property owned by the recipient of this notice.
- 3. Check to indicate if the analytical results are attached. (If item 2. above is checked, the analytical results from the environmental sampling must be attached to this notice.)

D. Location of the property where the environmental sampling will be/has been conducted:

1. Street Address: 247 Buck Pond Road
City/Town: Westfield Zip Code: 01085

2. MCP phase of work during which the sampling will be/has been conducted:

- | | |
|---|--|
| <input checked="" type="checkbox"/> Immediate Response Action | <input type="checkbox"/> Phase III Feasibility Evaluation |
| <input type="checkbox"/> Release Abatement Measure | <input type="checkbox"/> Phase IV Remedy Implementation Plan |
| <input type="checkbox"/> Utility-related Abatement Measure | <input type="checkbox"/> Phase V/Remedy Operation Status |
| <input type="checkbox"/> Phase I Initial Site Investigation | <input type="checkbox"/> Post-Temporary Solution Operation, Maintenance and Monitoring |
| <input type="checkbox"/> Phase II Comprehensive Site Assessment | <input type="checkbox"/> Other _____
(specify) |

3. Description of property where sampling will be/has been conducted:

- residential commercial industrial school/playground Other _____
(specify)

4. Description of the sampling locations and types (e.g., soil, groundwater, indoor air, soil gas) to the extent known at the time of this notice.

Drinking water samples were collected from the private well located on the above-referenced property and analyzed for PHAS compounds via EPA Method 537.1

E. Contact information related to the party providing this notice:

Contact Name: Department of Environmental Protection
Street Address: 436 Dwight Street
City/Town: Springfield Zip Code: 01103
Telephone: (413) 755-2221 Email: david.bachand.jr@state.ma.us



Massachusetts Department of Environmental Protection
Bureau of Waste Site Cleanup

BWSC123

This Notice is Related to:
Release Tracking Number

NOTICE OF ENVIRONMENTAL SAMPLING

1 - 20093

As required by 310 CMR 40.1403(10) of the Massachusetts Contingency Plan

MASSACHUSETTS REGULATIONS THAT REQUIRE THIS NOTICE

This notice is being provided pursuant to the Massachusetts Contingency Plan and the notification requirement at 310 CMR 40.1403(10). The Massachusetts Contingency Plan is a state regulation that specifies requirements for parties who are taking actions to address releases of chemicals (oil or hazardous material) to the environment.

THE PERSON(S) PROVIDING THIS NOTICE

This notice has been sent to you by the party who is addressing a release of oil or hazardous material to the environment at the location listed in **Section A** on the reverse side of this form. (The regulations refer to the area where the oil or hazardous material is present as the "disposal site".)

PURPOSE OF THIS NOTICE

When environmental samples are taken as part of an investigation of a release for which a notification to MassDEP has been made under the Massachusetts Contingency Plan (310 CMR 40.0300) on behalf of someone other than the owner of the property, the regulations require that the property owner (listed in **Section B** on the reverse side of this form) be given notice of the environmental sampling. The regulations also require that the property owner subsequently receive the analytical results following the analysis of the environmental samples.

Section C on the reverse side of this form indicates the circumstance under which you are receiving this notice at this time. If you are receiving this notice to inform you of the analytical results following the analysis of the environmental samples, you should also have received, as an attachment, a copy of analytical results. These results should indicate the number and type(s) of samples (e.g., soil, groundwater) analyzed, any chemicals identified, and the measured concentrations of those chemicals.

Section D on the reverse side of this form identifies the property where the environmental sampling will be/has been conducted, provides a description of the sampling locations within the property, and indicates the phase of work under the Massachusetts Contingency Plan regulatory process during which the samples will be/were collected.

FOR MORE INFORMATION

Information about the general process for addressing releases of oil or hazardous material under the Massachusetts Contingency Plan and related public involvement opportunities may be found at <http://www.mass.gov/eea/agencies/massdep/cleanup>. For more information regarding this notice, you may contact the party listed in **Section E** on the reverse side of this form. Information about the disposal site identified in **Section A** is also available in files at the Massachusetts Department of Environmental Protection. See <http://public.dep.state.ma.us/SearchableSites2/Search.aspx> to view site-specific files on-line or <http://mass.gov/eea/agencies/massdep/about/contacts/conduct-a-file-review.html> if you would like to make an appointment to see these files in person. Please reference the **Release Tracking Number** listed in the upper right hand corner on the reverse side of this form when making file review appointments.

August 31, 2017

Rob Smith
ATC Group Services LLC - West Springfield
73 Williams Franks Drive
West Springfield, MA 01089

Project Location: 247 Buck Pond Rd., Westfield, MA
Client Job Number:
Project Number: 183EM00170
Laboratory Work Order Number: 17H0505

Enclosed are results of analyses for samples received by the laboratory on August 8, 2017. If you have any questions concerning this report, please feel free to contact me.

Sincerely,



Kerry K. McGee
Project Manager

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

ATC Group Services LLC - West Springfield
 73 Williams Franks Drive
 West Springfield, MA 01089
 ATTN: Rob Smith

REPORT DATE: 8/31/2017

PURCHASE ORDER NUMBER:

PROJECT NUMBER: 183EM00170

ANALYTICAL SUMMARY

WORK ORDER NUMBER: 17H0505

The results of analyses performed on the following samples submitted to the CON-TEST Analytical Laboratory are found in this report.

PROJECT LOCATION: 247 Buck Pond Rd., Westfield, MA

FIELD SAMPLE #	LAB ID:	MATRIX	SAMPLE DESCRIPTION	TEST	SUB LAB
247 Buck Pond Rd.- Field Blank	17H0505-01	Field Blank		EPA 537	
247 Buck Pond Rd.-1	17H0505-02	Drinking Water		EPA 537	
247 Buck Pond Rd.-2	17H0505-03	Drinking Water		EPA 537	



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CASE NARRATIVE SUMMARY

All reported results are within defined laboratory quality control objectives unless listed below or otherwise qualified in this report.

The results of analyses reported only relate to samples submitted to the Con-Test Analytical Laboratory for testing. I certify that the analyses listed above, unless specifically listed as subcontracted, if any, were performed under my direction according to the approved methodologies listed in this document, and that based upon my inquiry of those individuals immediately responsible for obtaining the information, the material contained in this report is, to the best of my knowledge and belief, accurate and complete.

A handwritten signature in black ink, appearing to read "Daren J. Damboragian", written in a cursive style.

Daren J. Damboragian
Director of Operations

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 247 Buck Pond Rd., Westfield, M

Sample Description:

Work Order: 17H0505

Date Received: 8/8/2017

Field Sample #: 247 Buck Pond Rd.- Field Blank

Sampled: 8/8/2017 09:34

Sample ID: 17H0505-01

Sample Matrix: Field Blank

Miscellaneous Organic Analyses

Analyte	Results	MCL/SMCL		Units	Dilution	Flag/Qual	Method	Date	Date/Time	Analyst
		RL	MA ORSG					Prepared	Analyzed	
Perfluoroundecanoic acid (PFUnA)	ND	2.0	2	ng/L	1		EPA 537	8/13/17	8/15/17 21:27	BLM
Perfluorotridecanoic acid (PFTrDA)	ND	2.0	2	ng/L	1		EPA 537	8/13/17	8/15/17 21:27	BLM
Perfluorotetradecanoic acid (PFTA)	ND	2.0	2	ng/L	1		EPA 537	8/13/17	8/15/17 21:27	BLM
Perfluorooctanoic acid (PFOA)	ND	2.0	2	ng/L	1		EPA 537	8/13/17	8/15/17 21:27	BLM
Perfluorooctanesulfonic acid (PFOS)	ND	2.0	2	ng/L	1		EPA 537	8/13/17	8/15/17 21:27	BLM
Perfluorononanoic acid (PFNA)	ND	2.0	2	ng/L	1		EPA 537	8/13/17	8/15/17 21:27	BLM
Perfluorohexanoic acid (PFHxA)	ND	2.0	2	ng/L	1		EPA 537	8/13/17	8/15/17 21:27	BLM
Perfluorohexanesulfonic acid (PFHxS)	ND	2.0	2	ng/L	1		EPA 537	8/13/17	8/15/17 21:27	BLM
Perfluoroheptanoic acid (PFHpA)	ND	2.0	2	ng/L	1		EPA 537	8/13/17	8/15/17 21:27	BLM
Perfluorododecanoic acid (PFDoA)	ND	2.0	2	ng/L	1		EPA 537	8/13/17	8/15/17 21:27	BLM
Perfluorodecanoic acid (PFDA)	ND	2.0	2	ng/L	1		EPA 537	8/13/17	8/15/17 21:27	BLM
Perfluorobutanesulfonic acid (PFBS)	ND	2.0	2	ng/L	1		EPA 537	8/13/17	8/15/17 21:27	BLM
NEtFOSAA	ND	2.0		ng/L	1		EPA 537	8/13/17	8/15/17 21:27	BLM
NMeFOSAA	ND	2.0		ng/L	1		EPA 537	8/13/17	8/15/17 21:27	BLM
Perfluoropentanoic acid (PFPeA)	ND	2.0		ng/L	1		EPA 537	8/13/17	8/15/17 21:27	BLM
Surrogates		% Recovery	Recovery Limits			Flag/Qual				
I3C-PFHxA		128	70-130						8/15/17 21:27	
I3C-PFDA		103	70-130						8/15/17 21:27	
d5-NEtFOSAA		129	70-130						8/15/17 21:27	

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 247 Buck Pond Rd., Westfield, M

Sample Description:

Work Order: 17H0505

Date Received: 8/8/2017

Field Sample #: 247 Buck Pond Rd.-1

Sampled: 8/8/2017 09:43

Sample ID: 17H0505-02

Sample Matrix: Drinking Water

Miscellaneous Organic Analyses

Analyte	Results	MCL/SMCL		Units	Dilution	Flag/Qual	Method	Date	Date/Time	Analyst
		RL	MA ORSG					Prepared	Analyzed	
Perfluoroundecanoic acid (PFUnA)	ND	2.0	2	ng/L	1		EPA 537	8/13/17	8/16/17 20:37	BLM
Perfluorotridecanoic acid (PFTriDA)	ND	2.0	2	ng/L	1		EPA 537	8/13/17	8/16/17 20:37	BLM
Perfluorotetradecanoic acid (PFTA)	ND	2.0	2	ng/L	1		EPA 537	8/13/17	8/16/17 20:37	BLM
# Perfluorooctanoic acid (PFOA)	2.3	2.0	2	ng/L	1		EPA 537	8/13/17	8/16/17 20:37	BLM
# Perfluorooctanesulfonic acid (PFOS)	8.2	2.0	2	ng/L	1		EPA 537	8/13/17	8/16/17 20:37	BLM
Perfluorononanoic acid (PFNA)	ND	2.0	2	ng/L	1		EPA 537	8/13/17	8/16/17 20:37	BLM
Perfluorohexanoic acid (PFHxA)	ND	2.0	2	ng/L	1		EPA 537	8/13/17	8/16/17 20:37	BLM
Perfluorohexanesulfonic acid (PFHxS)	ND	2.0	2	ng/L	1		EPA 537	8/13/17	8/16/17 20:37	BLM
Perfluoroheptanoic acid (PFHpA)	ND	2.0	2	ng/L	1		EPA 537	8/13/17	8/16/17 20:37	BLM
Perfluorododecanoic acid (PFDoA)	ND	2.0	2	ng/L	1		EPA 537	8/13/17	8/16/17 20:37	BLM
Perfluorodecanoic acid (PFDA)	ND	2.0	2	ng/L	1		EPA 537	8/13/17	8/16/17 20:37	BLM
Perfluorobutanesulfonic acid (PFBS)	ND	2.0	2	ng/L	1		EPA 537	8/13/17	8/16/17 20:37	BLM
NEtFOSAA	ND	2.0		ng/L	1		EPA 537	8/13/17	8/16/17 20:37	BLM
NMeFOSAA	ND	2.0		ng/L	1		EPA 537	8/13/17	8/16/17 20:37	BLM
Surrogates		% Recovery	Recovery Limits			Flag/Qual				
13C-PFHxA		70.3	70-130					8/16/17 20:37		
13C-PFDA		72.5	70-130					8/16/17 20:37		
d5-NEtFOSAA		70.8	70-130					8/16/17 20:37		



39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 247 Buck Pond Rd., Westfield, M

Sample Description:

Work Order: 17H0505

Date Received: 8/8/2017

Field Sample #: 247 Buck Pond Rd.-2

Sampled: 8/8/2017 09:45

Sample ID: 17H0505-03

Sample Matrix: Drinking Water

Miscellaneous Organic Analyses

Analyte	Results	MCL/SMCL		Units	Dilution	Flag/Qual	Method	Date	Date/Time	Analyst
		RL	MA ORSG					Prepared	Analyzed	
Perfluoroundecanoic acid (PFUnA)	ND	2.0	2	ng/L	1		EPA 537	8/13/17	8/15/17 22:56	BLM
Perfluorotridecanoic acid (PFTriDA)	ND	2.0	2	ng/L	1		EPA 537	8/13/17	8/15/17 22:56	BLM
Perfluorotetradecanoic acid (PFTA)	ND	2.0	2	ng/L	1		EPA 537	8/13/17	8/15/17 22:56	BLM
# Perfluorooctanoic acid (PFOA)	2.1	2.0	2	ng/L	1		EPA 537	8/13/17	8/15/17 22:56	BLM
# Perfluorooctanesulfonic acid (PFOS)	7.5	2.0	2	ng/L	1		EPA 537	8/13/17	8/15/17 22:56	BLM
Perfluorononanoic acid (PFNA)	ND	2.0	2	ng/L	1		EPA 537	8/13/17	8/15/17 22:56	BLM
Perfluorohexanoic acid (PFHxA)	ND	2.0	2	ng/L	1		EPA 537	8/13/17	8/15/17 22:56	BLM
Perfluorohexanesulfonic acid (PFHxS)	ND	2.0	2	ng/L	1		EPA 537	8/13/17	8/15/17 22:56	BLM
Perfluoroheptanoic acid (PFHpA)	ND	2.0	2	ng/L	1		EPA 537	8/13/17	8/15/17 22:56	BLM
Perfluorododecanoic acid (PFDoA)	ND	2.0	2	ng/L	1		EPA 537	8/13/17	8/15/17 22:56	BLM
Perfluorodecanoic acid (PFDA)	ND	2.0	2	ng/L	1		EPA 537	8/13/17	8/15/17 22:56	BLM
Perfluorobutanesulfonic acid (PFBS)	ND	2.0	2	ng/L	1		EPA 537	8/13/17	8/15/17 22:56	BLM
NEtFOSAA	ND	2.0		ng/L	1		EPA 537	8/13/17	8/15/17 22:56	BLM
NMeFOSAA	ND	2.0		ng/L	1		EPA 537	8/13/17	8/15/17 22:56	BLM
Surrogates		% Recovery	Recovery Limits			Flag/Qual				
13C-PFHxA		130	70-130						8/15/17 22:56	
13C-PFDA		98.5	70-130						8/15/17 22:56	
d5-NEtFOSAA		128	70-130						8/15/17 22:56	



39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Sample Extraction Data

Prep Method: EPA 537-EPA 537

Lab Number [Field ID]	Batch	Initial [mL]	Final [mL]	Date
17H0505-01 [247 Buck Pond Rd.- Field Blank]	B183955	250	1.00	08/13/17
17H0505-02 [247 Buck Pond Rd.-1]	B183955	250	1.00	08/13/17
17H0505-03 [247 Buck Pond Rd.-2]	B183955	250	1.00	08/13/17

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

QUALITY CONTROL

Miscellaneous Organic Analyses - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B183955 - EPA 537										
Blank (B183955-BLK1)										
Prepared: 08/13/17 Analyzed: 08/15/17										
Perfluoroundecanoic acid (PFUnA)	ND	2.0	ng/L							
Perfluorotridecanoic acid (PFTrDA)	ND	2.0	ng/L							
Perfluorotetradecanoic acid (PFTA)	ND	2.0	ng/L							
Perfluorooctanoic acid (PFOA)	ND	2.0	ng/L							
Perfluorooctanesulfonic acid (PFOS)	ND	2.0	ng/L							
Perfluorononanoic acid (PFNA)	ND	2.0	ng/L							
Perfluorohexanoic acid (PFHxA)	ND	2.0	ng/L							
Perfluorohexanesulfonic acid (PFHxS)	ND	2.0	ng/L							
Perfluoroheptanoic acid (PFHpA)	ND	2.0	ng/L							
Perfluorododecanoic acid (PFDoA)	ND	2.0	ng/L							
Perfluorodecanoic acid (PFDA)	ND	2.0	ng/L							
Perfluorobutanesulfonic acid (PFBS)	ND	2.0	ng/L							
NEtFOSAA	ND	2.0	ng/L							
NMeFOSAA	ND	2.0	ng/L							
Surrogate: I3C-PFHxA	47.9		ng/L	40.0		120	70-130			
Surrogate: I3C-PFDA	41.6		ng/L	40.0		104	70-130			
Surrogate: d5-NEtFOSAA	207		ng/L	160		129	70-130			
LCS (B183955-BS1)										
Prepared: 08/13/17 Analyzed: 08/16/17										
Perfluoroundecanoic acid (PFUnA)	25.6	2.0	ng/L	20.0		128	70-130			
Perfluorotridecanoic acid (PFTrDA)	21.1	2.0	ng/L	20.0		105	70-130			
Perfluorotetradecanoic acid (PFTA)	21.5	2.0	ng/L	20.0		107	70-130			
Perfluorooctanoic acid (PFOA)	18.9	2.0	ng/L	20.0		94.6	70-130			
Perfluorooctanesulfonic acid (PFOS)	20.2	2.0	ng/L	18.5		109	70-130			
Perfluorononanoic acid (PFNA)	16.7	2.0	ng/L	20.0		83.5	70-130			
Perfluorohexanoic acid (PFHxA)	20.4	2.0	ng/L	20.0		102	70-130			
Perfluorohexanesulfonic acid (PFHxS)	18.8	2.0	ng/L	18.2		103	70-130			
Perfluoroheptanoic acid (PFHpA)	18.7	2.0	ng/L	20.0		93.7	70-130			
Perfluorododecanoic acid (PFDoA)	20.8	2.0	ng/L	20.0		104	70-130			
Perfluorodecanoic acid (PFDA)	21.4	2.0	ng/L	20.0		107	70-130			
Perfluorobutanesulfonic acid (PFBS)	18.3	2.0	ng/L	17.7		103	70-130			
NEtFOSAA	22.1	2.0	ng/L	20.0		111	70-130			
NMeFOSAA	21.1	2.0	ng/L	20.0		106	70-130			
Surrogate: I3C-PFHxA	35.9		ng/L	40.0		89.8	70-130			
Surrogate: I3C-PFDA	37.8		ng/L	40.0		94.5	70-130			
Surrogate: d5-NEtFOSAA	167		ng/L	160		105	70-130			



39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

FLAG/QUALIFIER SUMMARY

*	QC result is outside of established limits.
†	Wide recovery limits established for difficult compound.
‡	Wide RPD limits established for difficult compound.
#	Data exceeded client recommended or regulatory level
ND	Not Detected
RL	Reporting Limit
DL	Method Detection Limit
MCL	Maximum Contaminant Level

Percent recoveries and relative percent differences (RPDs) are determined by the software using values in the calculation which have not been rounded.

No results have been blank subtracted unless specified in the case narrative section.

CERTIFICATIONS

Certified Analyses included in this Report

Analyte	Certifications
<i>EPA 537 in Drinking Water</i>	
Perfluorooctanoic acid (PFOA)	NH,NY
Perfluorooctanesulfonic acid (PFOS)	NH,NY
Perfluoropentanoic acid (PFPeA)	NH

The CON-TEST Environmental Laboratory operates under the following certifications and accreditations:

Code	Description	Number	Expires
AIHA	AIHA-LAP, LLC - ISO17025:2005	100033	02/1/2018
MA	Massachusetts DEP	M-MA100	06/30/2018
CT	Connecticut Department of Public Health	PH-0567	09/30/2017
NY	New York State Department of Health	10899 NELAP	04/1/2018
NH-S	New Hampshire Environmental Lab	2516 NELAP	02/5/2018
RI	Rhode Island Department of Health	LAO00112	12/30/2017
NC	North Carolina Div. of Water Quality	652	12/31/2017
NJ	New Jersey DEP	MA007 NELAP	06/30/2018
FL	Florida Department of Health	E871027 NELAP	06/30/2018
VT	Vermont Department of Health Lead Laboratory	LL015036	07/30/2018
ME	State of Maine	2011028	06/9/2019
VA	Commonwealth of Virginia	460217	12/14/2017
NH-P	New Hampshire Environmental Lab	2557 NELAP	09/6/2017
VT-DW	Vermont Department of Health Drinking Water	VT-255716	06/12/2018
NC-DW	North Carolina Department of Health	25703	07/31/2018

17H 0505



Phone: 413-525-2332
 Fax: 413-525-6405
 Email: info@contestlabs.com

Doc # 381 Rev 1_03242017
 39 Spruce Street
 East Longmeadow, MA 01028

Page 1 of 1

Company Name: ATC Group Services
Address: 73 William Franks Drive, West Springfield, MA
Phone: (413) 781-0070
Project Name: 247 Buck Pond Rd, Westfield
Project Location: 247 Buck Pond Rd, Westfield
Project Number: 183EM00170
Project Manager: Rob Smith
Con-Test Quote Name/Number:
Invoice Recipient:
Sampled By: Elizabeth O'Connor

Requested Turnaround Time:
 7-Day 10-Day
Due Date: 5-day TAT
Rush/Approval Required:
 1-Day 3-Day
 2-Day 4-Day
Data Delivery:
 Format: PDF EXCEL
 Other:
 CLP Like Data Pkg Required:
 Email To:
 Fax To #:

Con-Test Work Order #	Client Sample ID / Description	Beginning Date/Time	Ending Date/Time	Composite	Grab	Matrix Code	Conc Code
01 01	247 Buck Pond Rd - field blank	8/8/2017	9:34		X	DW	U
02 02	247 Buck Pond Rd - 1	8/8/2017	9:43		X	DW	U
02 03	247 Buck Pond Rd - 2	8/8/2017	9:45		X	DW	U
EPA METHOD 537 TOTAL As, Fe, HARDNESS, TOC							
ANALYSIS REQUESTED							

Comments:
 RUN EPA Method 537: 247 Buck Pond Rd-1
 EXTRACT & HOLD EPA Method 537: 247 Buck Pond Rd-field blank & 247 Buck Pond Rd-2
 HOLD As, Fe, Hardness, TOC

Please use the following codes to indicate possible sample concentration within the Conc Code column above:
 H - High; M - Medium; L - Low; C - Clean; U - Unknown

Relinquished by: (signature) Date/Time: 8/8/17 18:00
Received by: (signature) 5.9 Date/Time: 8/8/17 18:20
Relinquished by: (signature) Date/Time:
Received by: (signature) Date/Time:
Relinquished by: (signature) Date/Time:
Received by: (signature) Date/Time:

Detection Limit Requirements:
 MA: MA MCP Required
 CT: MCP Certification Form Required
 CT RCP Required
 RCP Certification Form Required

Special Requirements:
 MA State DW Required
 PWSID #

Project Entity:
 Government
 Federal
 City
 Municipality
 Z1 J
 Brownfield
 MWRA
 School
 MBTA
 WRTA
 Other: Chromatogram
 AIHA-LAP, LLC

PCB ONLY:
 Soxhlet
 Non Soxhlet



39 Spruce St.
 East Longmeadow, MA. 01028
 P: 413-525-2332
 F: 413-525-6405
 www.contestlabs.com



con-test[®]
 ANALYTICAL LABORATORY

Doc# 277 Rev 5 2017

Login Sample Receipt Checklist - (Rejection Criteria Listing - Using Acceptance Policy) Any False Statement will be brought to the attention of the Client - State True or False

Client ATC
 Received By PB Date 8.8.17 Time 18:20
 How were the samples received? In Cooler T No Cooler _____ On Ice T No Ice _____
 Direct from Sampling _____ Ambient _____ Melted Ice _____
 Were samples within Temperature? 2-6°C T By Gun # 1 Actual Temp - 5.9
 By Blank # _____ Actual Temp - _____
 Was Custody Seal Intact? NA Were Samples Tampered with? F
 Was COC Relinquished? T Does Chain Agree With Samples? T
 Are there broken/leaking/loose caps on any samples? F
 Is COC in ink/ Legible? T Were samples received within holding time? T
 Did COC include all Client T Analysis T Sampler Name T
 pertinent Information? Project T ID's T Collection Dates/Times T
 Are Sample labels filled out and legible? T
 Are there Lab to Filters? F Who was notified? _____
 Are there Rushes? F Who was notified? _____
 Are there Short Holds? F Who was notified? _____
 Is there enough Volume? T
 Is there Headspace where applicable? NA MS/MSD? NA
 Proper Media/Containers Used? T Is splitting samples required? NA
 Were trip blanks received? T On COC? NA
 Do all samples have the proper pH? T Acid T Base _____

Vials	#	Container	#	#	#
Unp-		1 Liter Amb.		1 Liter Plastic	16 oz Amb.
HCL-		500 mL Amb.		500 mL Plastic	8oz Amb/Clear
Meoh-		250 mL Amb.		250 mL Plastic	4oz Amb/Clear
Bisulfate-		Col./Bacteria		Flashpoint	2oz Amb/Clear
DI-		Other Plastic		Other Glass	Encore
Thiosulfate-		SOC Kit		Plastic Bag	Frozen:
Sulfuric-		Perchlorate		Ziplock	

Unused Media

Vials	#	Container	#	#	#
Unp-		1 Liter Amb.		1 Liter Plastic	16 oz Amb.
HCL-		500 mL Amb.		500 mL Plastic	8oz Amb/Clear
Meoh-		250 mL Amb.		250 mL Plastic	4oz Amb/Clear
Bisulfate-		Col./Bacteria		Flashpoint	2oz Amb/Clear
DI-		Other Plastic		Other Glass	Encore
Thiosulfate-		SOC Kit		Plastic Bag	Frozen:
Sulfuric-		Perchlorate		Ziplock	

Comments:



Commonwealth of Massachusetts
Executive Office of Energy & Environmental Affairs

Department of Environmental Protection

Western Regional Office • 436 Dwight Street, Springfield MA 01103 • 413-784-1100

Charles D. Baker
Governor

Karyn E. Polito
Lieutenant Governor

Matthew A. Beaton
Secretary

Martin Suuberg
Commissioner

September 13, 2017

David & Michele Pine
244 Buck Pond Road
Westfield, MA 01085

RE: Notice of Environmental Sampling
244 Buck Pond Road
Westfield Private Well Sampling

Dear David and Michele Pine:

The Department of Environmental Protection (DEP) collected a drinking water sample from your private well on August 8, 2017. The purpose of the sampling was to investigate whether your well has been affected by a release of perfluorinated compounds (PFCs) to local groundwater. The sample was sent to a certified laboratory and analyzed for PFC compounds by modified United States Protection Agency (EPA) Method 317.1. EPA has established a Lifetime Health Advisory level at 70 parts per trillion (ppt), for two specific compounds which have been the most extensively used and studied, PFOA (perfluorooctanoic acid) and PFOS (perfluorooctane sulfonic acid). If both PFOA and PFOS are identified in drinking water the combined concentrations are compared to the 70 ppt health advisory level. The Health Advisory offers a margin of protection from a lifetime of exposure to PFOA and PFOS for all individuals from adverse health effects resulting from exposure from PFOA and PFOS in drinking water. ¹

The sampling result indicated a total PFOA and PFOS concentration of 6.2 ppt in the drinking water sample. The results of a duplicate sample confirmed these results. This concentration is well below the health advisory level of 70 ppt. Based on the low concentrations of PFC compounds detected in the sample collected from your well, no further action, including additional sampling and/or mitigation measures (i.e. bottled water) are required at this time. However, additional sampling may be required in the future. The Department thanks you for granting access to your property.

This information is available in alternate format. Contact Michelle Waters-Ekanem, Director of Diversity/Civil Rights at 617-292-5751.

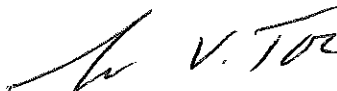
TTY# MassRelay Service 1-800-439-2370

MassDEP Website: www.mass.gov/dep

Printed on Recycled Paper

If you have any questions pertaining to this Notice of Environmental Sampling or with the information contained within, please feel free to contact David Bachand at (413) 755-2221 or Cynthia Pawloski at (413) 755-2247.

Sincerely,



Eva Tor
Deputy Regional Director
Bureau of Waste Site Cleanup

³ Fact Sheet PFOA & PFOS Drinking Water Health Advisories. EPA, EPA 800 F-16-003, June 2016

Attachments: Notice of Environmental Sampling (BWSC-123)
Laboratory Report

cc : Mayor, City of Westfield
Barnes ANG-John Richardson
Barnes Aquifer Protection Committee
Westfield DPW – David Billips
Westfield Health Department
Westfield Councilor Mary Ann Babinski
Dr. Marc A. Nascarella, Ph.D/DPH

cc:

Denise Andler, DEP WERO
Data Entry: FOLOFF, FOLFLD



NOTICE OF ENVIRONMENTAL SAMPLING

As required by 310 CMR 40.1403(10) of the Massachusetts Contingency Plan

1 - 20093

A. The address of the disposal site related to this Notice and Release Tracking Number (provided above):

1. Street Address: 175 Falcon Drive

City/Town: Westfield Zip Code: 01085

B. This notice is being provided to the following party:

1. Name: David & Michele Pine

2. Street Address: 244 Buck Pond Road

City/Town: Westfield Zip Code: 01085

C. This notice is being given to inform its recipient (the party listed in Section B):

- 1. That environmental sampling will be/has been conducted at property owned by the recipient of this notice.
- 2. Of the results of environmental sampling conducted at property owned by the recipient of this notice.
- 3. Check to indicate if the analytical results are attached. (If item 2. above is checked, the analytical results from the environmental sampling must be attached to this notice.)

D. Location of the property where the environmental sampling will be/has been conducted:

1. Street Address: 244 Buck Pond Road

City/Town: Westfield Zip Code: 01085

2. MCP phase of work during which the sampling will be/has been conducted:

- | | |
|---|--|
| <input checked="" type="checkbox"/> Immediate Response Action | <input type="checkbox"/> Phase III Feasibility Evaluation |
| <input type="checkbox"/> Release Abatement Measure | <input type="checkbox"/> Phase IV Remedy Implementation Plan |
| <input type="checkbox"/> Utility-related Abatement Measure | <input type="checkbox"/> Phase V/Remedy Operation Status |
| <input type="checkbox"/> Phase I Initial Site Investigation | <input type="checkbox"/> Post-Temporary Solution Operation, Maintenance and Monitoring |
| <input type="checkbox"/> Phase II Comprehensive Site Assessment | <input type="checkbox"/> Other _____ |
- (specify)

3. Description of property where sampling will be/has been conducted:

- residential commercial industrial school/playground Other _____
- (specify)

4. Description of the sampling locations and types (e.g., soil, groundwater, indoor air, soil gas) to the extent known at the time of this notice.

Drinking water samples were collected from the private well located on the above-referenced property and analyzed for PHAS compounds via EPA Method 537.1

E. Contact information related to the party providing this notice:

Contact Name: Department of Environmental Protection

Street Address: 436 Dwight Street

City/Town: Springfield Zip Code: 01103

Telephone: (413) 755-2221 Email: david.bachand.jr@state.ma.us



Massachusetts Department of Environmental Protection
Bureau of Waste Site Cleanup

BWSC123

This Notice is Related to:
Release Tracking Number

NOTICE OF ENVIRONMENTAL SAMPLING

1 - 20093

As required by 310 CMR 40.1403(10) of the Massachusetts Contingency Plan

MASSACHUSETTS REGULATIONS THAT REQUIRE THIS NOTICE

This notice is being provided pursuant to the Massachusetts Contingency Plan and the notification requirement at 310 CMR 40.1403(10). The Massachusetts Contingency Plan is a state regulation that specifies requirements for parties who are taking actions to address releases of chemicals (oil or hazardous material) to the environment.

THE PERSON(S) PROVIDING THIS NOTICE

This notice has been sent to you by the party who is addressing a release of oil or hazardous material to the environment at the location listed in **Section A** on the reverse side of this form. (The regulations refer to the area where the oil or hazardous material is present as the "disposal site".)

PURPOSE OF THIS NOTICE

When environmental samples are taken as part of an investigation of a release for which a notification to MassDEP has been made under the Massachusetts Contingency Plan (310 CMR 40.0300) on behalf of someone other than the owner of the property, the regulations require that the property owner (listed in **Section B** on the reverse side of this form) be given notice of the environmental sampling. The regulations also require that the property owner subsequently receive the analytical results following the analysis of the environmental samples.

Section C on the reverse side of this form indicates the circumstance under which you are receiving this notice at this time. If you are receiving this notice to inform you of the analytical results following the analysis of the environmental samples, you should also have received, as an attachment, a copy of analytical results. These results should indicate the number and type(s) of samples (e.g., soil, groundwater) analyzed, any chemicals identified, and the measured concentrations of those chemicals.

Section D on the reverse side of this form identifies the property where the environmental sampling will be/has been conducted, provides a description of the sampling locations within the property, and indicates the phase of work under the Massachusetts Contingency Plan regulatory process during which the samples will be/were collected.

FOR MORE INFORMATION

Information about the general process for addressing releases of oil or hazardous material under the Massachusetts Contingency Plan and related public involvement opportunities may be found at <http://www.mass.gov/eea/agencies/massdep/cleanup>. For more information regarding this notice, you may contact the party listed in **Section E** on the reverse side of this form. Information about the disposal site identified in **Section A** is also available in files at the Massachusetts Department of Environmental Protection. See <http://public.dep.state.ma.us/SearchableSites2/Search.aspx> to view site-specific files on-line or <http://mass.gov/eea/agencies/massdep/about/contacts/conduct-a-file-review.html> if you would like to make an appointment to see these files in person. Please reference the **Release Tracking Number** listed in the upper right hand corner on the reverse side of this form when making file review appointments.

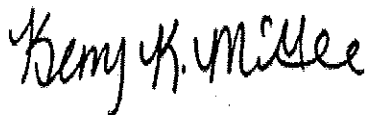
August 25, 2017

Rob Smith
ATC Group Services LLC - West Springfield
73 Williams Franks Drive
West Springfield, MA 01089

Project Location: 244 Buck Pond Rd., Westfield
Client Job Number:
Project Number: 183EM00170
Laboratory Work Order Number: 17H0512

Enclosed are results of analyses for samples received by the laboratory on August 8, 2017. If you have any questions concerning this report, please feel free to contact me.

Sincerely,



Kerry K. McGee
Project Manager

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

ATC Group Services LLC - West Springfield
 73 Williams Franks Drive
 West Springfield, MA 01089
 ATTN: Rob Smith

REPORT DATE: 8/25/2017

PURCHASE ORDER NUMBER:

PROJECT NUMBER: 183EM00170

ANALYTICAL SUMMARY

WORK ORDER NUMBER: 17H0512

The results of analyses performed on the following samples submitted to the CON-TEST Analytical Laboratory are found in this report.

PROJECT LOCATION: 244 Buck Pond Rd., Westfield

FIELD SAMPLE #	LAB ID:	MATRIX	SAMPLE DESCRIPTION	TEST	SUB LAB
244 Buck Pond Rd.- Field Blank	17H0512-01	Field Blank		EPA 537	
244 Buck Pond Rd.-1	17H0512-02	Drinking Water		EPA 537	
244 Buck Pond Rd.-2	17H0512-03	Drinking Water		EPA 537	



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CASE NARRATIVE SUMMARY

All reported results are within defined laboratory quality control objectives unless listed below or otherwise qualified in this report.

REVISED REPORT - Samples -01 & -03 activated 8/23

EPA 537

Qualifications:

S-18

Surrogate recovery is outside of control limits, matrix interference suspected. Insufficient sample available for reanalysis.

Analyte & Samples(s) Qualified:

d5-NEtFOSAA

17H0512-01[244 Buck Pond Rd.- Field Blank]

The results of analyses reported only relate to samples submitted to the Con-Test Analytical Laboratory for testing.

I certify that the analyses listed above, unless specifically listed as subcontracted, if any, were performed under my direction according to the approved methodologies listed in this document, and that based upon my inquiry of those individuals immediately responsible for obtaining the information, the material contained in this report is, to the best of my knowledge and belief, accurate and complete.

A handwritten signature in black ink, appearing to read "Lisa A. Worthington". The signature is fluid and cursive, written over a white background.

Lisa A. Worthington
Project Manager

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 244 Buck Pond Rd., Westfield

Sample Description:

Work Order: 17H0512

Date Received: 8/8/2017

Field Sample #: 244 Buck Pond Rd.- Field Blank

Sampled: 8/8/2017 15:10

Sample ID: 17H0512-01

Sample Matrix: Field Blank

Miscellaneous Organic Analyses

Analyte	Results	MCL/SMCL			Dilution	Flag/Qual	Method	Date	Date/Time	Analyst
		RL	MA	ORSG				Prepared	Analyzed	
Perfluoroundecanoic acid (PFUnA)	ND	2.0	2	ng/L	1	EPA 537	8/13/17	8/16/17 20:12	BLM	
Perfluorotridecanoic acid (PFTrDA)	ND	2.0	2	ng/L	1	EPA 537	8/13/17	8/16/17 20:12	BLM	
Perfluorotetradecanoic acid (PFTA)	ND	2.0	2	ng/L	1	EPA 537	8/13/17	8/16/17 20:12	BLM	
Perfluorooctanoic acid (PFOA)	ND	2.0	2	ng/L	1	EPA 537	8/13/17	8/16/17 20:12	BLM	
Perfluorooctanesulfonic acid (PFOS)	ND	2.0	2	ng/L	1	EPA 537	8/13/17	8/16/17 20:12	BLM	
Perfluorononanoic acid (PFNA)	ND	2.0	2	ng/L	1	EPA 537	8/13/17	8/16/17 20:12	BLM	
Perfluorohexanoic acid (PFHxA)	ND	2.0	2	ng/L	1	EPA 537	8/13/17	8/16/17 20:12	BLM	
Perfluorohexanesulfonic acid (PFHxS)	ND	2.0	2	ng/L	1	EPA 537	8/13/17	8/16/17 20:12	BLM	
Perfluoroheptanoic acid (PFHpA)	ND	2.0	2	ng/L	1	EPA 537	8/13/17	8/16/17 20:12	BLM	
Perfluorododecanoic acid (PFDoA)	ND	2.0	2	ng/L	1	EPA 537	8/13/17	8/16/17 20:12	BLM	
Perfluorodecanoic acid (PFDA)	ND	2.0	2	ng/L	1	EPA 537	8/13/17	8/16/17 20:12	BLM	
Perfluorobutanesulfonic acid (PFBS)	ND	2.0	2	ng/L	1	EPA 537	8/13/17	8/16/17 20:12	BLM	
NEtFOSAA	ND	2.0		ng/L	1	EPA 537	8/13/17	8/16/17 20:12	BLM	
NMeFOSAA	ND	2.0		ng/L	1	EPA 537	8/13/17	8/16/17 20:12	BLM	
Surrogates		% Recovery	Recovery Limits							
13C-PFHxA		121	70-130					8/16/17 20:12		
13C-PFDA		130	70-130					8/16/17 20:12		
d5-NEtFOSAA		142 *	70-130		S-18			8/16/17 20:12		



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Project Location: 244 Buck Pond Rd., Westfield

Sample Description:

Work Order: 17H0512

Date Received: 8/8/2017

Field Sample #: 244 Buck Pond Rd.-1

Sampled: 8/8/2017 15:20

Sample ID: 17H0512-02

Sample Matrix: Drinking Water

Miscellaneous Organic Analyses

Analyte	Results	MCL/SMCL			Dilution	Flag/Qual	Method	Date	Date/Time	Analyst
		RL	MA	ORSG				Prepared	Analyzed	
Perfluoroundecanoic acid (PFUnA)	ND	2.0	2		ng/L	1	EPA 537	8/13/17	8/16/17 21:15	BLM
Perfluorotridecanoic acid (PFTriDA)	ND	2.0	2		ng/L	1	EPA 537	8/13/17	8/16/17 21:15	BLM
Perfluorotetradecanoic acid (PFTA)	ND	2.0	2		ng/L	1	EPA 537	8/13/17	8/16/17 21:15	BLM
# Perfluorooctanoic acid (PFOA)	2.5	2.0	2		ng/L	1	EPA 537	8/13/17	8/16/17 21:15	BLM
# Perfluorooctanesulfonic acid (PFOS)	3.7	2.0	2		ng/L	1	EPA 537	8/13/17	8/16/17 21:15	BLM
Perfluorononanoic acid (PFNA)	ND	2.0	2		ng/L	1	EPA 537	8/13/17	8/16/17 21:15	BLM
Perfluorohexanoic acid (PFHxA)	ND	2.0	2		ng/L	1	EPA 537	8/13/17	8/16/17 21:15	BLM
Perfluorohexanesulfonic acid (PFHxS)	ND	2.0	2		ng/L	1	EPA 537	8/13/17	8/16/17 21:15	BLM
Perfluoroheptanoic acid (PFHpA)	ND	2.0	2		ng/L	1	EPA 537	8/13/17	8/16/17 21:15	BLM
Perfluorododecanoic acid (PFDoA)	ND	2.0	2		ng/L	1	EPA 537	8/13/17	8/16/17 21:15	BLM
Perfluorodecanoic acid (PFDA)	ND	2.0	2		ng/L	1	EPA 537	8/13/17	8/16/17 21:15	BLM
Perfluorobutanesulfonic acid (PFBS)	ND	2.0	2		ng/L	1	EPA 537	8/13/17	8/16/17 21:15	BLM
NEtFOSAA	ND	2.0			ng/L	1	EPA 537	8/13/17	8/16/17 21:15	BLM
NMeFOSAA	ND	2.0			ng/L	1	EPA 537	8/13/17	8/16/17 21:15	BLM
Surrogates		% Recovery	Recovery Limits		Flag/Qual					
13C-PFHxA		124	70-130						8/16/17 21:15	
13C-PFDA		121	70-130						8/16/17 21:15	
d5-NEtFOSAA		119	70-130						8/16/17 21:15	



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Project Location: 244 Buck Pond Rd., Westfield

Sample Description:

Work Order: 17H0512

Date Received: 8/3/2017

Field Sample #: 244 Buck Pond Rd.-2

Sampled: 8/8/2017 15:22

Sample ID: 17H0512-03

Sample Matrix: Drinking Water

Miscellaneous Organic Analyses

Analyte	Results	MCL/SMCL			Units	Dilution	Flag/Qual	Method	Date	Date/Time	Analyst
		RL	MA	ORSG					Prepared	Analyzed	
Perfluoroundecanoic acid (PFUnA)	ND	2.0	2		ng/L	1	EPA 537	8/13/17	8/16/17 21:28	BLM	
Perfluorotridecanoic acid (PFTrDA)	ND	2.0	2		ng/L	1	EPA 537	8/13/17	8/16/17 21:28	BLM	
Perfluorotetradecanoic acid (PFTTA)	ND	2.0	2		ng/L	1	EPA 537	8/13/17	8/16/17 21:28	BLM	
# Perfluorooctanoic acid (PFOA)	2.3	2.0	2		ng/L	1	EPA 537	8/13/17	8/16/17 21:28	BLM	
# Perfluorooctanesulfonic acid (PFOS)	3.6	2.0	2		ng/L	1	EPA 537	8/13/17	8/16/17 21:28	BLM	
Perfluorononanoic acid (PFNA)	ND	2.0	2		ng/L	1	EPA 537	8/13/17	8/16/17 21:28	BLM	
Perfluorohexanoic acid (PFHxA)	ND	2.0	2		ng/L	1	EPA 537	8/13/17	8/16/17 21:28	BLM	
Perfluorohexanesulfonic acid (PFHxS)	ND	2.0	2		ng/L	1	EPA 537	8/13/17	8/16/17 21:28	BLM	
Perfluoroheptanoic acid (PFHpA)	ND	2.0	2		ng/L	1	EPA 537	8/13/17	8/16/17 21:28	BLM	
Perfluorododecanoic acid (PFDoA)	ND	2.0	2		ng/L	1	EPA 537	8/13/17	8/16/17 21:28	BLM	
Perfluorodecanoic acid (PFDA)	ND	2.0	2		ng/L	1	EPA 537	8/13/17	8/16/17 21:28	BLM	
Perfluorobutanesulfonic acid (PFBS)	ND	2.0	2		ng/L	1	EPA 537	8/13/17	8/16/17 21:28	BLM	
NEtFOSAA	ND	2.0			ng/L	1	EPA 537	8/13/17	8/16/17 21:28	BLM	
NMeFOSAA	ND	2.0			ng/L	1	EPA 537	8/13/17	8/16/17 21:28	BLM	
Surrogates		% Recovery	Recovery Limits				Flag/Qual				
13C-PFHxA		123	70-130						8/16/17 21:28		
13C-PFDA		126	70-130						8/16/17 21:28		
d5-NEtFOSAA		126	70-130						8/16/17 21:28		



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Sample Extraction Data

Prep Method: EPA 537-EPA 537

Lab Number [Field ID]	Batch	Initial [mL]	Final [mL]	Date
17H0512-01 [244 Buck Pond Rd.- Field Blank]	B183955	250	1.00	08/13/17
17H0512-02 [244 Buck Pond Rd.-1]	B183955	250	1.00	08/13/17
17H0512-03 [244 Buck Pond Rd.-2]	B183955	250	1.00	08/13/17

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QUALITY CONTROL

Miscellaneous Organic Analyses - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B183955 - EPA 537										
Blank (B183955-BLK1)										
Prepared: 08/13/17 Analyzed: 08/15/17										
Perfluoroundecanoic acid (PFUnA)	ND	2.0	ng/L							
Perfluorotridecanoic acid (PFTrDA)	ND	2.0	ng/L							
Perfluorotetradecanoic acid (PFTA)	ND	2.0	ng/L							
Perfluorooctanoic acid (PFOA)	ND	2.0	ng/L							
Perfluorooctanesulfonic acid (PFOS)	ND	2.0	ng/L							
Perfluorononanoic acid (PFNA)	ND	2.0	ng/L							
Perfluorohexanoic acid (PFHxA)	ND	2.0	ng/L							
Perfluorohexanesulfonic acid (PFHxS)	ND	2.0	ng/L							
Perfluoroheptanoic acid (PFHpA)	ND	2.0	ng/L							
Perfluorododecanoic acid (PFDoA)	ND	2.0	ng/L							
Perfluorodecanoic acid (PFDA)	ND	2.0	ng/L							
Perfluorobutanesulfonic acid (PFBS)	ND	2.0	ng/L							
NEtFOSAA	ND	2.0	ng/L							
NMeFOSAA	ND	2.0	ng/L							
Surrogate: 13C-PFHxA	47.9		ng/L	40.0		120	70-130			
Surrogate: 13C-PFDA	41.6		ng/L	40.0		104	70-130			
Surrogate: d5-NEtFOSAA	207		ng/L	160		129	70-130			
LCS (B183955-BS1)										
Prepared: 08/13/17 Analyzed: 08/16/17										
Perfluoroundecanoic acid (PFUnA)	25.6	2.0	ng/L	20.0		128	70-130			
Perfluorotridecanoic acid (PFTrDA)	21.1	2.0	ng/L	20.0		105	70-130			
Perfluorotetradecanoic acid (PFTA)	21.5	2.0	ng/L	20.0		107	70-130			
Perfluorooctanoic acid (PFOA)	18.9	2.0	ng/L	20.0		94.6	70-130			
Perfluorooctanesulfonic acid (PFOS)	20.2	2.0	ng/L	18.5		109	70-130			
Perfluorononanoic acid (PFNA)	16.7	2.0	ng/L	20.0		83.5	70-130			
Perfluorohexanoic acid (PFHxA)	20.4	2.0	ng/L	20.0		102	70-130			
Perfluorohexanesulfonic acid (PFHxS)	18.8	2.0	ng/L	18.2		103	70-130			
Perfluoroheptanoic acid (PFHpA)	18.7	2.0	ng/L	20.0		93.7	70-130			
Perfluorododecanoic acid (PFDoA)	20.8	2.0	ng/L	20.0		104	70-130			
Perfluorodecanoic acid (PFDA)	21.4	2.0	ug/L	20.0		107	70-130			
Perfluorobutanesulfonic acid (PFBS)	18.3	2.0	ng/L	17.7		103	70-130			
NEtFOSAA	22.1	2.0	ng/L	20.0		111	70-130			
NMeFOSAA	21.1	2.0	ng/L	20.0		106	70-130			
Surrogate: 13C-PFHxA	35.9		ng/L	40.0		89.8	70-130			
Surrogate: 13C-PFDA	37.8		ng/L	40.0		94.5	70-130			
Surrogate: d5-NEtFOSAA	167		ng/L	160		105	70-130			



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FLAG/QUALIFIER SUMMARY

*	QC result is outside of established limits.
†	Wide recovery limits established for difficult compound.
‡	Wide RPD limits established for difficult compound.
#	Data exceeded client recommended or regulatory level
ND	Not Detected
RL	Reporting Limit
DL	Method Detection Limit
MCL	Maximum Contaminant Level
	Percent recoveries and relative percent differences (RPDs) are determined by the software using values in the calculation which have not been rounded.
	No results have been blank subtracted unless specified in the case narrative section.
S-18	Surrogate recovery is outside of control limits, matrix interference suspected. Insufficient sample available for reanalysis.



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CERTIFICATIONS

Certified Analyses included in this Report

Analyte	Certifications
---------	----------------

EPA 537 in Drinking Water

Perfluorooctanoic acid (PFOA)	NH,NY
Perfluorooctanesulfonic acid (PFOS)	NH,NY

The CON-TEST Environmental Laboratory operates under the following certifications and accreditations:

Code	Description	Number	Expires
AIHA	AIHA-LAP, LLC - ISO17025:2005	100033	02/1/2018
MA	Massachusetts DEP	M-MA100	06/30/2018
CT	Connecticut Department of Public Health	PH-0567	09/30/2017
NY	New York State Department of Health	10899 NELAP	04/1/2018
NH-S	New Hampshire Environmental Lab	2516 NELAP	02/5/2018
RI	Rhode Island Department of Health	LAO00112	12/30/2017
NC	North Carolina Div. of Water Quality	652	12/31/2017
NJ	New Jersey DEP	MA007 NELAP	06/30/2018
FL	Florida Department of Health	E871027 NELAP	06/30/2018
VT	Vermont Department of Health Lead Laboratory	LL015036	07/30/2018
ME	State of Maine	2011028	06/9/2019
VA	Commonwealth of Virginia	460217	12/14/2017
NH-P	New Hampshire Environmental Lab	2557 NELAP	09/6/2017
VT-DW	Vermont Department of Health Drinking Water	VT-255716	06/12/2018
NC-DW	North Carolina Department of Health	25703	07/31/2018

17H0512
 http://www.contestlabs.com
 CHAIN OF CUSTODY RECORD
 Phone: 413-525-2332
 Fax: 413-525-6405
 Email: info@contestlabs.com

Doc # 381 Rev 1_03242017

39 Spruce Street
 East Longmeadow, MA 01028

Page 1 of 1

Company Name: ATC Group Services Address: 73 William Franks Drive, West Springfield, MA (413) 781-0070 Phone: 244 Buck Pond Rd, Westfield Project Location: 244 Buck Pond Rd, Westfield Project Number: 183EM00170 Project Manager: Rob Smith Con-Test Quote Name/Number: Invoice Recipient: Sampled By: Elizabeth O'Connor		Requested Turnaround Time 7-Day <input type="checkbox"/> 10-Day <input type="checkbox"/> Due Date: 5-day TAT Rush Approval Required <input type="checkbox"/> 1-Day <input type="checkbox"/> 3-Day <input type="checkbox"/> 2-Day <input type="checkbox"/> 4-Day <input type="checkbox"/> Data Delivery Format: PDF <input checked="" type="checkbox"/> EXCEL <input checked="" type="checkbox"/> Other: CLP Like Data Pkg Required: <input type="checkbox"/> Email To: Fax To #:	
Con-Test Work Order # Client Sample ID / Description Beginning Date/Time Ending Date/Time Matrix Code Composite Matrix Code EPA Method 537 TOTAL As, Fe, HARDNESS, TOC		# of Containers Preservation Code Container Code Dissolver Metals Samples <input type="checkbox"/> Field Filtered <input type="checkbox"/> Lab to Filter Organic Nitrate Samples <input type="checkbox"/> Field Filtered <input type="checkbox"/> Lab to Filter Matrix Codes: GW = Ground Water WW = Waste Water DW = Drinking Water A = Air S = Soil SL = Sludge SOL = Solid O = Other (please define) Preservation Codes: I = Iced H = HCL M = Methanol N = Nitric Acid S = Sulfuric Acid B = Sodium Bisulfate X = Sodium Hydroxide T = Sodium Thiosulfate O = Other (please define) TRIZMA Container Codes: A = Amber Glass G = Glass P = Plastic ST = Sterile V = Vial S = Surrima Canister T = Teclar Bag O = Other (please define)	
Date/Time: 8/17/18 18:20 Date/Time: 8/17/18 20 Date/Time:		Special Requirements MA MCP Required <input type="checkbox"/> MCP Certification Form Required <input type="checkbox"/> CT RCP Required <input type="checkbox"/> RCP Certification Form Required <input type="checkbox"/> MA State DW Required <input type="checkbox"/> PWSID #	
Date/Time: 8/17/18 20 Date/Time: 8/17/18 20 Date/Time:		Project Entity <input type="checkbox"/> Government <input type="checkbox"/> Federal <input type="checkbox"/> City <input type="checkbox"/> Municipality <input type="checkbox"/> 21 J <input type="checkbox"/> Brownfield <input type="checkbox"/> MWRA <input type="checkbox"/> School <input type="checkbox"/> MBTA <input type="checkbox"/> WRTA Other: <input type="checkbox"/> Chromatogram <input type="checkbox"/> AIHA-LAP, LLC	



Please use the following codes to indicate possible sample concentration within the Conc Code column above:
 H - High; M - Medium; L - Low; C - Clean; U - Unknown

Comments:
 RUN EPA Method 537: 244 Buck Pond Rd-1
 EXTRACT & HOLD EPA Method 537: 244 Buck Pond Rd-field blank & 244 Buck Pond Rd-2
 HOLD As, Fe, Hardness, TOC

39 Spruce St.
 East Longmeadow, MA. 01028
 P: 413-525-2332
 F: 413-525-6405
 www.contestlabs.com



con-test[®]
 ANALYTICAL LABORATORY

Doc# 277 Rev 5 2017

Login Sample Receipt Checklist - (Rejection Criteria Listing - Using Acceptance Policy) Any False Statement will be brought to the attention of the Client - State True or False

Client ATC
 Received By PB Date 8.8.17 Time 18:20

How were the samples received? In Cooler T No Cooler _____ On Ice T No Ice _____
 Direct from Sampling _____ Ambient _____ Melted Ice _____

Were samples within Temperature? 2-6°C T By Gun # 1 Actual Temp -5.9
 By Blank # _____ Actual Temp _____

Was Custody Seal Intact? NA Were Samples Tampered with? F
 Was COC Relinquished? T Does Chain Agree With Samples? T

Are there broken/leaking/loose caps on any samples? F

Is COC in ink/ Legible? T Were samples received within holding time? T
 Did COC include all pertinent Information? Client T Analysis T Sampler Name T
 Project T ID's T Collection Dates/Times T

Are Sample labels filled out and legible? T
 Are there Lab to Filters? F Who was notified? _____
 Are there Rushes? F Who was notified? _____
 Are there Short Holds? F Who was notified? _____

Is there enough Volume? T
 Is there Headspace where applicable? NA MS/MSD? NA
 Proper Media/Containers Used? HF Is splitting samples required? NA
 Were trip blanks received? HF On COC? NA
 Do all samples have the proper pH? T Acid T Base _____

Vials	#	Containers:	#	#	#
Unp-		1 Liter Amb.		1 Liter Plastic	16 oz Amb.
HCL-		500 mL Amb.		500 mL Plastic	8oz Amb/Clear
Meoh-		250 mL Amb.		250 mL Plastic	4oz Amb/Clear
Bisulfate-		Col./Bacteria		Flashpoint	2oz Amb/Clear
DI-		Other Plastic		Other Glass	Encore
Thiosulfate-		SOC Kit		Plastic Bag	Frozen:
Sulfuric-		Perchlorate		Ziplock	

Unused Media

Vials	#	Containers:	#	#	#
Unp-		1 Liter Amb.		1 Liter Plastic	16 oz Amb.
HCL-		500 mL Amb.		500 mL Plastic	8oz Amb/Clear
Meoh-		250 mL Amb.		250 mL Plastic	4oz Amb/Clear
Bisulfate-		Col./Bacteria		Flashpoint	2oz Amb/Clear
DI-		Other Plastic		Other Glass	Encore
Thiosulfate-		SOC Kit		Plastic Bag	Frozen:
Sulfuric-		Perchlorate		Ziplock	

Comments:



Commonwealth of Massachusetts
Executive Office of Energy & Environmental Affairs

Department of Environmental Protection

Western Regional Office • 436 Dwight Street, Springfield MA 01103 • 413-784-1100

Charles D. Baker
Governor

Karyn E. Polito
Lieutenant Governor

Matthew A. Beaton
Secretary

Martin Suuberg
Commissioner

September 13, 2017

Benjamin and Ahanna Timakov
232 Buck Pond Road
Westfield, MA 01085

RE: Notice of Environmental Sampling
232 Buck Pond Road
Westfield Private Well Sampling

Dear Mr. and Mrs. Timakov,

The Department of Environmental Protection (DEP) collected a second drinking water sample from your private well on August 8, 2017. The purpose of the sampling was to investigate whether your well has been affected by a release of perfluorinated compounds (PFCs) to local groundwater. The sample was sent to a certified laboratory and analyzed for PFC compounds by modified United States Protection Agency (EPA) Method 317.1. EPA has established a Lifetime Health Advisory level at 70 parts per trillion (ppt), for two specific compounds which have been the most extensively used and studied, PFOA (perfluorooctanoic acid) and PFOS (perfluorooctane sulfonic acid). If both PFOA and PFOS are identified in drinking water the combined concentrations are compared to the 70 ppt health advisory level. The Health Advisory offers a margin of protection from a lifetime of exposure to PFOA and PFOS for all individuals from adverse health effects resulting from exposure from PFOA and PFOS in drinking water. ¹

The sampling result indicated a total PFOA and PFOS concentration of 11.1 ppt. This concentration is well below the health advisory level of 70 ppt and is consistent with the May sampling results. An elevated concentration (104 ppt) of perfluorohexanesulfonic acid (PFHxS) was detected in the drinking water sample collected from your well in May. The concentration of this compound detected in the drinking water sample collected in August decreased to 20 ppt which is generally consistent with PFHxS concentrations detected in drinking water samples collected from other wells in your neighborhood. Given the elevated level initially detected, however, MassDEP recommends you continue to use bottled water for drinking and cooking.

This information is available in alternate format. Contact Michelle Waters-Ekanem, Director of Diversity/Civil Rights at 617-292-5751.

TTY# MassRelay Service 1-800-439-2370

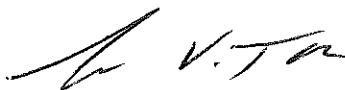
MassDEP Website: www.mass.gov/dep

Printed on Recycled Paper

We will collect another drinking water sample from your well in early November and continue to evaluate the need for additional mitigation measures (i.e. water treatment system). The Department thanks you for granting access to your property.

If you have any questions pertaining to this Notice of Environmental Sampling or with the information contained within, please feel free to contact David Bachand at (413) 755-2221 or Cynthia Pawloski at (413) 755-2247.

Sincerely,



Eva Tor
Deputy Regional Director
Bureau of Waste Site Cleanup

¹ Fact Sheet PFOA & PFOS Drinking Water Health Advisories. EPA, EPA 800 F-16-003, June 2016

Attachments: Notice of Environmental Sampling (BWSC-123) Lab
Laboratory Report

Ecc : Mayor, City of Westfield
Barnes ANG-John Richardson
Barnes Aquifer Protection Committee
Westfield DPW – David Billips
Westfield Health Department
Dr. Marc A. Nascarella, Ph.D/DPH

cc:

Denise Andler, DEP WERO
Data Entry: FOLOFF, FOLFLD



NOTICE OF ENVIRONMENTAL SAMPLING

1 - 20093

As required by 310 CMR 40.1403(10) of the Massachusetts Contingency Plan

A. The address of the disposal site related to this Notice and Release Tracking Number (provided above):

1. Street Address: 175 Falcon Drive
City/Town: Westfield Zip Code: 01085

B. This notice is being provided to the following party:

1. Name: Benjamin and Ahanna Timakov
2. Street Address: 232 Buck Pond Road
City/Town: Westfield Zip Code: 01085

C. This notice is being given to inform its recipient (the party listed in Section B):

- 1. That environmental sampling will be/has been conducted at property owned by the recipient of this notice.
- 2. Of the results of environmental sampling conducted at property owned by the recipient of this notice.
- 3. Check to indicate if the analytical results are attached. (If item 2. above is checked, the analytical results from the environmental sampling must be attached to this notice.)

D. Location of the property where the environmental sampling will be/has been conducted:

1. Street Address: 232 Buck Pond Road
City/Town: Westfield Zip Code: 01085

2. MCP phase of work during which the sampling will be/has been conducted:

- | | |
|---|--|
| <input checked="" type="checkbox"/> Immediate Response Action | <input type="checkbox"/> Phase III Feasibility Evaluation |
| <input type="checkbox"/> Release Abatement Measure | <input type="checkbox"/> Phase IV Remedy Implementation Plan |
| <input type="checkbox"/> Utility-related Abatement Measure | <input type="checkbox"/> Phase V/Remedy Operation Status |
| <input type="checkbox"/> Phase I Initial Site Investigation | <input type="checkbox"/> Post-Temporary Solution Operation, Maintenance and Monitoring |
| <input type="checkbox"/> Phase II Comprehensive Site Assessment | <input type="checkbox"/> Other _____ |
- (specify)

3. Description of property where sampling will be/has been conducted:
 residential commercial industrial school/playground Other _____
(specify)

4. Description of the sampling locations and types (e.g., soil, groundwater, indoor air, soil gas) to the extent known at the time of this notice.

Drinking water samples were collected from the private well located on the above-referenced property and analyzed for PHAS compounds via EPA Method 537.1

E. Contact information related to the party providing this notice:

Contact Name: Department of Environmental Protection
Street Address: 436 Dwight Street
City/Town: Springfield Zip Code: 01103
Telephone: (413) 755-2221 Email: david.bachand.jr@state.ma.us



NOTICE OF ENVIRONMENTAL SAMPLING

1 - 20093

As required by 310 CMR 40.1403(10) of the Massachusetts Contingency Plan

MASSACHUSETTS REGULATIONS THAT REQUIRE THIS NOTICE

This notice is being provided pursuant to the Massachusetts Contingency Plan and the notification requirement at 310 CMR 40.1403(10). The Massachusetts Contingency Plan is a state regulation that specifies requirements for parties who are taking actions to address releases of chemicals (oil or hazardous material) to the environment.

THE PERSON(S) PROVIDING THIS NOTICE

This notice has been sent to you by the party who is addressing a release of oil or hazardous material to the environment at the location listed in **Section A** on the reverse side of this form. (The regulations refer to the area where the oil or hazardous material is present as the "disposal site".)

PURPOSE OF THIS NOTICE

When environmental samples are taken as part of an investigation of a release for which a notification to MassDEP has been made under the Massachusetts Contingency Plan (310 CMR 40.0300) on behalf of someone other than the owner of the property, the regulations require that the property owner (listed in **Section B** on the reverse side of this form) be given notice of the environmental sampling. The regulations also require that the property owner subsequently receive the analytical results following the analysis of the environmental samples.

Section C on the reverse side of this form indicates the circumstance under which you are receiving this notice at this time. If you are receiving this notice to inform you of the analytical results following the analysis of the environmental samples, you should also have received, as an attachment, a copy of analytical results. These results should indicate the number and type(s) of samples (e.g., soil, groundwater) analyzed, any chemicals identified, and the measured concentrations of those chemicals.

Section D on the reverse side of this form identifies the property where the environmental sampling will be/has been conducted, provides a description of the sampling locations within the property, and indicates the phase of work under the Massachusetts Contingency Plan regulatory process during which the samples will be/were collected.

FOR MORE INFORMATION

Information about the general process for addressing releases of oil or hazardous material under the Massachusetts Contingency Plan and related public involvement opportunities may be found at <http://www.mass.gov/eea/agencies/massdep/cleanup>. For more information regarding this notice, you may contact the party listed in **Section E** on the reverse side of this form. Information about the disposal site identified in Section A is also available in files at the Massachusetts Department of Environmental Protection. See <http://public.dep.state.ma.us/SearchableSites2/Search.aspx> to view site-specific files on-line or <http://mass.gov/eea/agencies/massdep/about/contacts/conduct-a-file-review.html> if you would like to make an appointment to see these files in person. Please reference the **Release Tracking Number** listed in the upper right hand corner on the reverse side of this form when making file review appointments.



39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

August 31, 2017

Rob Smith
ATC Group Services LLC - West Springfield
73 Williams Franks Drive
West Springfield, MA 01089

Project Location: 232 Buck Pond Rd., Westfield, MA
Client Job Number:
Project Number: 183EM00170
Laboratory Work Order Number: 17H0508

Enclosed are results of analyses for samples received by the laboratory on August 8, 2017. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

A handwritten signature in black ink that reads "Kerry K. McGee". The signature is written in a cursive, flowing style.

Kerry K. McGee
Project Manager

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

ATC Group Services LLC - West Springfield
73 Williams Franks Drive
West Springfield, MA 01089
ATTN: Rob Smith

REPORT DATE: 8/31/2017

PURCHASE ORDER NUMBER:

PROJECT NUMBER: 183EM00170

ANALYTICAL SUMMARY

WORK ORDER NUMBER: 17H0508

The results of analyses performed on the following samples submitted to the CON-TEST Analytical Laboratory are found in this report.

PROJECT LOCATION: 232 Buck Pond Rd., Westfield, MA

FIELD SAMPLE #	LAB ID:	MATRIX	SAMPLE DESCRIPTION	TEST	SUB LAB
232 Buck Pond Rd.- Field Blank	17H0508-01	Field Blank		EPA 537	
232 Buck Pond Rd.-3	17H0508-02	Drinking Water		EPA 537	
232 Buck Pond Rd.-4	17H0508-03	Drinking Water		EPA 537	

CASE NARRATIVE SUMMARY

All reported results are within defined laboratory quality control objectives unless listed below or otherwise qualified in this report.

The results of analyses reported only relate to samples submitted to the Con-Test Analytical Laboratory for testing. I certify that the analyses listed above, unless specifically listed as subcontracted, if any, were performed under my direction according to the approved methodologies listed in this document, and that based upon my inquiry of those individuals immediately responsible for obtaining the information, the material contained in this report is, to the best of my knowledge and belief, accurate and complete.

A handwritten signature in black ink, appearing to read "Lisa A. Worthington". The signature is written in a cursive, flowing style.

Lisa A. Worthington
Project Manager



39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 232 Buck Pond Rd., Westfield, M

Sample Description:

Work Order: 17H0508

Date Received: 8/8/2017

Field Sample #: 232 Buck Pond Rd. - Field Blank

Sampled: 8/8/2017 08:58

Sample ID: 17H0508-01

Sample Matrix: Field Blank

Miscellaneous Organic Analyses

Analyte	Results	MCL/SMCL		Units	Dilution	Flag/Qual	Method	Date	Date/Time	Analyst
		RL	MA ORSG					Prepared	Analyzed	
Perfluoroundecanoic acid (PFUnA)	ND	2.0	2	ng/L	1		EPA 537	8/13/17	8/15/17 21:40	BLM
Perfluorotridecanoic acid (PFTrDA)	ND	2.0	2	ng/L	1		EPA 537	8/13/17	8/15/17 21:40	BLM
Perfluorotetradecanoic acid (PFTA)	ND	2.0	2	ng/L	1		EPA 537	8/13/17	8/15/17 21:40	BLM
Perfluorooctanoic acid (PFOA)	ND	2.0	2	ng/L	1		EPA 537	8/13/17	8/15/17 21:40	BLM
Perfluorooctanesulfonic acid (PFOS)	ND	2.0	2	ng/L	1		EPA 537	8/13/17	8/15/17 21:40	BLM
Perfluorononanoic acid (PFNA)	ND	2.0	2	ng/L	1		EPA 537	8/13/17	8/15/17 21:40	BLM
Perfluorohexanoic acid (PFHxA)	ND	2.0	2	ng/L	1		EPA 537	8/13/17	8/15/17 21:40	BLM
Perfluorohexanesulfonic acid (PFHxS)	ND	2.0	2	ng/L	1		EPA 537	8/13/17	8/15/17 21:40	BLM
Perfluoroheptanoic acid (PFHpA)	ND	2.0	2	ng/L	1		EPA 537	8/13/17	8/15/17 21:40	BLM
Perfluorododecanoic acid (PFDoA)	ND	2.0	2	ng/L	1		EPA 537	8/13/17	8/15/17 21:40	BLM
Perfluorodecanoic acid (PFDA)	ND	2.0	2	ng/L	1		EPA 537	8/13/17	8/15/17 21:40	BLM
Perfluorobutanesulfonic acid (PFBS)	ND	2.0	2	ng/L	1		EPA 537	8/13/17	8/15/17 21:40	BLM
NEtFOSAA	ND	2.0		ng/L	1		EPA 537	8/13/17	8/15/17 21:40	BLM
NMeFOSAA	ND	2.0		ng/L	1		EPA 537	8/13/17	8/15/17 21:40	BLM
Surrogates		% Recovery	Recovery Limits			Flag/Qual				
13C-PFHxA		118	70-130						8/15/17 21:40	
13C-PFDA		95.7	70-130						8/15/17 21:40	
d5-NEtFOSAA		127	70-130						8/15/17 21:40	

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 232 Buck Pond Rd., Westfield, M

Sample Description:

Work Order: 17H0508

Date Received: 8/8/2017

Field Sample #: 232 Buck Pond Rd.-3

Sampled: 8/8/2017 09:10

Sample ID: 17H0508-02

Sample Matrix: Drinking Water

Miscellaneous Organic Analyses

Analyte	Results	MCL/SMCL			Units	Dilution	Flag/Qual	Method	Date	Date/Time	Analyst
		RL	MA	ORSG					Prepared	Analyzed	
Perfluoroundecanoic acid (PFUnA)	ND	2.0	2		ng/L	1	EPA 537	8/13/17	8/15/17 22:31	BLM	
Perfluorotridecanoic acid (PFTriDA)	ND	2.0	2		ng/L	1	EPA 537	8/13/17	8/15/17 22:31	BLM	
Perfluorotetradecanoic acid (PFTA)	ND	2.0	2		ng/L	1	EPA 537	8/13/17	8/15/17 22:31	BLM	
# Perfluorooctanoic acid (PFOA)	7.1	2.0	2		ng/L	1	EPA 537	8/13/17	8/15/17 22:31	BLM	
# Perfluorooctanesulfonic acid (PFOS)	4.0	2.0	2		ng/L	1	EPA 537	8/13/17	8/15/17 22:31	BLM	
Perfluorononanoic acid (PFNA)	ND	2.0	2		ng/L	1	EPA 537	8/13/17	8/15/17 22:31	BLM	
# Perfluorohexanoic acid (PFHxA)	2.3	2.0	2		ng/L	1	EPA 537	8/13/17	8/15/17 22:31	BLM	
# Perfluorohexanesulfonic acid (PFHxS)	20	2.0	2		ng/L	1	EPA 537	8/13/17	8/15/17 22:31	BLM	
Perfluoroheptanoic acid (PFHpA)	ND	2.0	2		ng/L	1	EPA 537	8/13/17	8/15/17 22:31	BLM	
Perfluorododecanoic acid (PFDoA)	ND	2.0	2		ng/L	1	EPA 537	8/13/17	8/15/17 22:31	BLM	
Perfluorodecanoic acid (PFDA)	ND	2.0	2		ng/L	1	EPA 537	8/13/17	8/15/17 22:31	BLM	
# Perfluorobutanesulfonic acid (PFBS)	3.3	2.0	2		ng/L	1	EPA 537	8/13/17	8/15/17 22:31	BLM	
NEtFOSAA	ND	2.0			ng/L	1	EPA 537	8/13/17	8/15/17 22:31	BLM	
NMeFOSAA	ND	2.0			ng/L	1	EPA 537	8/13/17	8/15/17 22:31	BLM	
Surrogates		% Recovery	Recovery Limits								
13C-PFHxA		72.2	70-130						8/15/17 22:31		
13C-PFDA		87.5	70-130						8/15/17 22:31		
d5-NEtFOSAA		105	70-130						8/15/17 22:31		



39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 232 Buck Pond Rd., Westfield, M Sample Description:

Work Order: 17H0508

Date Received: 8/8/2017

Field Sample #: 232 Buck Pond Rd.-4

Sampled: 8/8/2017 09:12

Sample ID: 17H0508-03

Sample Matrix: Drinking Water

Miscellaneous Organic Analyses

Analyte	Results	MCL/SMCL		Units	Dilution	Flag/Qual	Method	Date	Date/Time	Analyst
		RL	MA ORSG					Prepared	Analyzed	
Perfluoroundecanoic acid (PFUnA)	ND	2.0	2	ng/L	1		EPA 537	8/13/17	8/15/17 22:44	BLM
Perfluorotridecanoic acid (PFTriDA)	ND	2.0	2	ng/L	1		EPA 537	8/13/17	8/15/17 22:44	BLM
Perfluorotetradecanoic acid (PFTTA)	ND	2.0	2	ng/L	1		EPA 537	8/13/17	8/15/17 22:44	BLM
# Perfluorooctanoic acid (PFOA)	7.4	2.0	2	ng/L	1		EPA 537	8/13/17	8/15/17 22:44	BLM
# Perfluorooctanesulfonic acid (PFOS)	3.2	2.0	2	ng/L	1		EPA 537	8/13/17	8/15/17 22:44	BLM
Perfluorononanoic acid (PFNA)	ND	2.0	2	ng/L	1		EPA 537	8/13/17	8/15/17 22:44	BLM
# Perfluorohexanoic acid (PFHxA)	2.8	2.0	2	ng/L	1		EPA 537	8/13/17	8/15/17 22:44	BLM
# Perfluorohexanesulfonic acid (PFHxS)	24	2.0	2	ng/L	1		EPA 537	8/13/17	8/15/17 22:44	BLM
# Perfluoroheptanoic acid (PFHpA)	2.0	2.0	2	ng/L	1		EPA 537	8/13/17	8/15/17 22:44	BLM
Perfluorododecanoic acid (PFDoA)	ND	2.0	2	ng/L	1		EPA 537	8/13/17	8/15/17 22:44	BLM
Perfluorodecanoic acid (PFDA)	ND	2.0	2	ng/L	1		EPA 537	8/13/17	8/15/17 22:44	BLM
# Perfluorobutanesulfonic acid (PFBS)	4.2	2.0	2	ng/L	1		EPA 537	8/13/17	8/15/17 22:44	BLM
NEtFOSAA	ND	2.0		ng/L	1		EPA 537	8/13/17	8/15/17 22:44	BLM
NMeFOSAA	ND	2.0		ng/L	1		EPA 537	8/13/17	8/15/17 22:44	BLM
Surrogates		% Recovery	Recovery Limits			Flag/Qual				
13C-PFHxA		95.7	70-130					8/15/17	22:44	
13C-PFDA		93.0	70-130					8/15/17	22:44	
d5-NEtFOSAA		120	70-130					8/15/17	22:44	



39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Sample Extraction Data

Prep Method: EPA 537-EPA 537

Lab Number [Field ID]	Batch	Initial [mL]	Final [mL]	Date
17H0508-01 [232 Buck Pond Rd.- Field Blank]	B183955	250	1.00	08/13/17
17H0508-02 [232 Buck Pond Rd.-3]	B183955	250	1.00	08/13/17
17H0508-03 [232 Buck Pond Rd.-4]	B183955	250	1.00	08/13/17

QUALITY CONTROL

Miscellaneous Organic Analyses - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B183955 - EPA 537										
Blank (B183955-BLK1)										
Prepared: 08/13/17 Analyzed: 08/15/17										
Perfluoroundecanoic acid (PFUnA)	ND	2.0	ng/L							
Perfluorotridecanoic acid (PFTrDA)	ND	2.0	ng/L							
Perfluorotetradecanoic acid (PFTA)	ND	2.0	ng/L							
Perfluorooctanoic acid (PFOA)	ND	2.0	ng/L							
Perfluorooctanesulfonic acid (PFOS)	ND	2.0	ng/L							
Perfluorononanoic acid (PFNA)	ND	2.0	ng/L							
Perfluorohexanoic acid (PFHxA)	ND	2.0	ng/L							
Perfluorohexanesulfonic acid (PFHxS)	ND	2.0	ng/L							
Perfluoroheptanoic acid (PFHpA)	ND	2.0	ng/L							
Perfluorododecanoic acid (PFDoA)	ND	2.0	ng/L							
Perfluorodecanoic acid (PFDA)	ND	2.0	ng/L							
Perfluorobutanesulfonic acid (PFBS)	ND	2.0	ng/L							
NEtFOSAA	ND	2.0	ng/L							
NMeFOSAA	ND	2.0	ng/L							
Surrogate: 13C-PFHxA	47.9		ng/L	40.0		120	70-130			
Surrogate: 13C-PFDA	41.6		ng/L	40.0		104	70-130			
Surrogate: d5-NEtFOSAA	207		ng/L	160		129	70-130			
LCS (B183955-BS1)										
Prepared: 08/13/17 Analyzed: 08/16/17										
Perfluoroundecanoic acid (PFUnA)	25.6	2.0	ng/L	20.0		128	70-130			
Perfluorotridecanoic acid (PFTrDA)	21.1	2.0	ng/L	20.0		105	70-130			
Perfluorotetradecanoic acid (PFTA)	21.5	2.0	ng/L	20.0		107	70-130			
Perfluorooctanoic acid (PFOA)	18.9	2.0	ng/L	20.0		94.6	70-130			
Perfluorooctanesulfonic acid (PFOS)	20.2	2.0	ng/L	18.5		109	70-130			
Perfluorononanoic acid (PFNA)	16.7	2.0	ng/L	20.0		83.5	70-130			
Perfluorohexanoic acid (PFHxA)	20.4	2.0	ng/L	20.0		102	70-130			
Perfluorohexanesulfonic acid (PFHxS)	18.8	2.0	ng/L	18.2		103	70-130			
Perfluoroheptanoic acid (PFHpA)	18.7	2.0	ng/L	20.0		93.7	70-130			
Perfluorododecanoic acid (PFDoA)	20.8	2.0	ng/L	20.0		104	70-130			
Perfluorodecanoic acid (PFDA)	21.4	2.0	ng/L	20.0		107	70-130			
Perfluorobutanesulfonic acid (PFBS)	18.3	2.0	ng/L	17.7		103	70-130			
NEtFOSAA	22.1	2.0	ng/L	20.0		111	70-130			
NMeFOSAA	21.1	2.0	ng/L	20.0		106	70-130			
Surrogate: 13C-PFHxA	33.9		ng/L	40.0		89.8	70-130			
Surrogate: 13C-PFDA	37.8		ng/L	40.0		94.5	70-130			
Surrogate: d5-NEtFOSAA	167		ng/L	160		105	70-130			



39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

FLAG/QUALIFIER SUMMARY

*	QC result is outside of established limits.
†	Wide recovery limits established for difficult compound.
‡	Wide RPD limits established for difficult compound.
#	Data exceeded client recommended or regulatory level
ND	Not Detected
RL	Reporting Limit
DL	Method Detection Limit
MCL	Maximum Contaminant Level

Percent recoveries and relative percent differences (RPDs) are determined by the software using values in the calculation which have not been rounded.

No results have been blank subtracted unless specified in the case narrative section.



39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

CERTIFICATIONS

Certified Analyses included in this Report

Analyte	Certifications
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EPA 537 in Drinking Water

Perfluorooctanoic acid (PFOA)	NH,NY
Perfluorooctanesulfonic acid (PFOS)	NH,NY

The CON-TEST Environmental Laboratory operates under the following certifications and accreditations:

Code	Description	Number	Expires
AIHA	AIHA-LAP, LLC - ISO17025:2005	100033	02/1/2018
MA	Massachusetts DEP	M-MA100	06/30/2018
CT	Connecticut Department of Public Health	PH-0567	09/30/2017
NY	New York State Department of Health	10899 NELAP	04/1/2018
NH-S	New Hampshire Environmental Lab	2516 NELAP	02/5/2018
RI	Rhode Island Department of Health	LAO00112	12/30/2017
NC	North Carolina Div. of Water Quality	652	12/31/2017
NJ	New Jersey DEP	MA007 NELAP	06/30/2018
FL	Florida Department of Health	E871027 NELAP	06/30/2018
VT	Vermont Department of Health Lead Laboratory	LL015036	07/30/2018
ME	State of Maine	2011028	06/9/2019
VA	Commonwealth of Virginia	460217	12/14/2017
NH-P	New Hampshire Environmental Lab	2557 NELAP	09/6/2017
VT-DW	Vermont Department of Health Drinking Water	VT-255716	06/12/2018
NC-DW	North Carolina Department of Health	25703	07/31/2018

17H 0508

http://www.contestlabs.com

Doc # 381 Rev 1_03242017

39 Spruce Street
East Longmeadow, MA 01028

Phone: 413-525-2332
Fax: 413-525-6405
Email: info@contestlabs.com

CHAIN OF CUSTODY RECORD

Page 1 of 1



Requested Turnaround Time
7-Day 10-Day
Due Date: 5-day TAT

Rush Approval Requested
1-Day 3-Day
2-Day 4-Day

Data Delivery
Format: PDF EXCEL
Other: _____

CLP Like Data Pkg Required:
Email To: _____
Fax To #: _____

Company Name: ATC Group Services
Address: 73 William Franks Drive, West Springfield, MA
Phone: (413) 781-0070

Project Name: 232 Buck Pond Rd, Westfield
Project Location: 232 Buck Pond Rd, Westfield
Project Number: 183EM00170
Project Manager: Rob Smith

Con-Test Quote Name/Number:
Invoice Recipient:
Sampled By: Elizabeth O'Connor

Con-Test Work Order #	Client Sample ID / Description	Receiving Date/Time	Sampling Date/Time	Composite	Grab	Matrix Code	Conc Code
01 01	232 Buck Pond Rd - field blank	8/8/2017	8:58	X		DW	U
02 02	232 Buck Pond Rd - 3	8/8/2017	9:10	X		DW	U
03 03	232 Buck Pond Rd - 4	8/8/2017	9:12	X		DW	U

EPA METHOD 537		ANALYSIS REQUESTED	
5	1	2	3
O	N	H	
P	P	V	

TOTAL AS, Fe, HARDNESS, TOC		EPA METHOD 537	
1	2	3	4

Comments:
RUN EPA Method 537: 232 Buck Pond Rd-3
EXTRACT & HOLD EPA Method 537: 232 Buck Pond Rd-field blank & 232 Buck Pond Rd-4
HOLD AS, Fe, Hardness, TOC

Please use the following codes to indicate possible sample concentration within the Conc Code column above:
H - High; M - Medium; L - Low; C - Clean; U - Unknown

Relinquished by: (signature) *E.O. Connor* Date/Time: 8/8/17 18:00

Received by: (signature) *[Signature]* Date/Time: 8/8/17 18:20

Relinquished by: (signature) _____ Date/Time: _____

Received by: (signature) _____ Date/Time: _____

Relinquished by: (signature) _____ Date/Time: _____

Received by: (signature) _____ Date/Time: _____

Detection Limit Requirements
MA MA MCP Required
MCP Certification Form Required

Special Requirements
CT CT RCP Required
RCP Certification Form Required

Other: _____

Project Entity
 Government Municipality MWRA WRTA
 Federal 21 J School
 City Brownfield MBTA
 Other Chromatogram ALPHA-LAP, LLC

PWSID # _____

MA State DW Required

PCB ONLY
 Soxhlet
 Non Soxhlet

39 Spruce St.
 East Longmeadow, MA. 01028
 P: 413-525-2332
 F: 413-525-6405
 www.contestlabs.com



con-test
 ANALYTICAL LABORATORY

Doc# 277 Rev 5 2017

Login Sample Receipt Checklist - (Rejection Criteria Listing - Using Acceptance Policy) Any False Statement will be brought to the attention of the Client - State True or False

Client ATC
 Received By PB Date 8.8.17 Time 18:20
 How were the samples received? In Cooler T No Cooler _____ On Ice T No Ice _____
 Direct from Sampling _____ Ambient _____ Melted Ice _____
 Were samples within Temperature? 2-6°C T By Gun # 1 Actual Temp -5.9
 By Blank # _____ Actual Temp _____
 Was Custody Seal Intact? NA Were Samples Tampered with? F
 Was COC Relinquished? T Does Chain Agree With Samples? T
 Are there broken/leaking/loose caps on any samples? F
 Is COC in ink/ Legible? T Were samples received within holding time? T
 Did COC include all pertinent information? Client T Analysis T Sampler Name T
 Project T ID's T Collection Dates/Times T
 Are Sample labels filled out and legible? T
 Are there Lab to Filters? F Who was notified? _____
 Are there Rushes? F Who was notified? _____
 Are there Short Holds? F Who was notified? _____
 Is there enough Volume? H
 Is there Headspace where applicable? NA F MS/MSD? NA
 Proper Media/Containers Used? H Is splitting samples required? NA
 Were trip blanks received? F On COC? NA
 Do all samples have the proper pH? T Acid T Base _____

Vials	Containers			
Unp-	1 Liter Amb.		1 Liter Plastic	16 oz Amb.
HCL-	500 mL Amb.		500 mL Plastic	8oz Amb/Clear
Meoh-	250 mL Amb.		250 mL Plastic	4oz Amb/Clear
Bisulfate-	Col./Bacteria		Flashpoint	2oz Amb/Clear
DI-	Other Plastic		Other Glass	Encore
Thiosulfate-	SOC Kit		Plastic Bag	Frozen:
Sulfuric-	Perchlorate		Ziplock	

Unused Media				
Vials	Containers			
Unp-	1 Liter Amb.		1 Liter Plastic	16 oz Amb.
HCL-	500 mL Amb.		500 mL Plastic	8oz Amb/Clear
Meoh-	250 mL Amb.		250 mL Plastic	4oz Amb/Clear
Bisulfate-	Col./Bacteria		Flashpoint	2oz Amb/Clear
DI-	Other Plastic		Other Glass	Encore
Thiosulfate-	SOC Kit		Plastic Bag	Frozen:
Sulfuric-	Perchlorate		Ziplock	

Comments:



Commonwealth of Massachusetts
Executive Office of Energy & Environmental Affairs

Department of Environmental Protection

Western Regional Office • 436 Dwight Street, Springfield MA 01103 • 413-784-1100

Charles D. Baker
Governor

Karyn E. Polito
Lieutenant Governor

Matthew A. Beaton
Secretary

Martin Suuberg
Commissioner

September 13, 2017

Todd & Lori Harrington
1880 East Mountain Road
Westfield, MA 01085

RE: Notice of Environmental Sampling
1880 East Mountain Road
Westfield Private Well Sampling

Dear Mr. & Mrs. Harrington:

The Department of Environmental Protection (DEP) collected a drinking water sample from your private well on August 25, 2017. The purpose of the sampling was to investigate whether your well has been affected by a release of perfluorinated compounds (PFCs) to local groundwater. The sample was sent to a certified laboratory and analyzed for PFC compounds by modified United States Protection Agency (EPA) Method 317.1. EPA has established a Lifetime Health Advisory level at 70 parts per trillion (ppt), for two specific compounds which have been the most extensively used and studied, PFOA (perfluorooctanoic acid) and PFOS (perfluorooctane sulfonic acid). If both PFOA and PFOS are identified in drinking water the combined concentrations are compared to the 70 ppt health advisory level. The Health Advisory offers a margin of protection from a lifetime of exposure to PFOA and PFOS for all individuals from adverse health effects resulting from exposure from PFOA and PFOS in drinking water. ¹

The sampling result indicated that PFOA and PFOS compounds were not detected in the drinking water sample above the laboratory reporting limit of 2 ppt. Based on this data, no further action, including additional sampling and/or mitigation measures (i.e. bottled water) are required at this time. However, additional sampling may be required in the future. The Department thanks you for granting access to your property.

This information is available in alternate format. Contact Michelle Waters-Ekanem, Director of Diversity/Civil Rights at 617-292-5751.

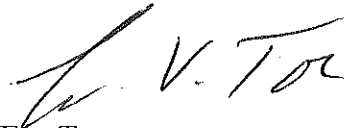
TTY# MassRelay Service 1-800-439-2370

MassDEP Website: www.mass.gov/dep

Printed on Recycled Paper

If you have any questions pertaining to this Notice of Environmental Sampling or with the information contained within, please feel free to contact David Bachand at (413) 755-2221 or Cynthia Pawloski at (413) 755-2247.

Sincerely,



Eva Tor
Deputy Regional Director
Bureau of Waste Site Cleanup

¹ Fact Sheet PFOA & PFOS Drinking Water Health Advisories. EPA, EPA 800 F-16-003, June 2016

Attachments: Notice of Environmental Sampling (BWSC-123)
Laboratory Report

cc : Mayor, City of Westfield
Barnes ANG-John Richardson
Barnes Aquifer Protection Committee
Westfield DPW – David Billips
Westfield Health Department
Westfield Councilor Mary Ann Babinski
Dr. Marc A. Nascarella, Ph.D/DPH

cc:

Denise Andler, DEP WERO
Data Entry: FOLOFF, FOLFLD



Massachusetts Department of Environmental Protection
Bureau of Waste Site Cleanup

BWSC123

This Notice is Related to:
Release Tracking Number

NOTICE OF ENVIRONMENTAL SAMPLING

As required by 310 CMR 40.1403(10) of the Massachusetts Contingency Plan

1 - 20093

A. The address of the disposal site related to this Notice and Release Tracking Number (provided above):

1. Street Address: 175 Falcon Drive
City/Town: Westfield Zip Code: 01085

B. This notice is being provided to the following party:

1. Name: Todd & Lori Harrington
2. Street Address: 1880 East Mountain Road
City/Town: Westfield Zip Code: 01085

C. This notice is being given to inform its recipient (the party listed in Section B):

- 1. That environmental sampling will be/has been conducted at property owned by the recipient of this notice.
- 2. Of the results of environmental sampling conducted at property owned by the recipient of this notice.
- 3. Check to indicate if the analytical results are attached. (If item 2. above is checked, the analytical results from the environmental sampling must be attached to this notice.)

D. Location of the property where the environmental sampling will be/has been conducted:

1. Street Address: 1880 East Mountain Road
City/Town: Westfield Zip Code: 01085

2. MCP phase of work during which the sampling will be/has been conducted:

- | | |
|---|--|
| <input checked="" type="checkbox"/> Immediate Response Action | <input type="checkbox"/> Phase III Feasibility Evaluation |
| <input type="checkbox"/> Release Abatement Measure | <input type="checkbox"/> Phase IV Remedy Implementation Plan |
| <input type="checkbox"/> Utility-related Abatement Measure | <input type="checkbox"/> Phase V/Remedy Operation Status |
| <input type="checkbox"/> Phase I Initial Site Investigation | <input type="checkbox"/> Post-Temporary Solution Operation, Maintenance and Monitoring |
| <input type="checkbox"/> Phase II Comprehensive Site Assessment | <input type="checkbox"/> Other _____
(specify) |

3. Description of property where sampling will be/has been conducted:

- residential commercial industrial school/playground Other _____
(specify)

4. Description of the sampling locations and types (e.g., soil, groundwater, indoor air, soil gas) to the extent known at the time of this notice.

Drinking water samples were collected from the private well located on the above-referenced property and analyzed for PFAS compounds via EPA Method 537.1

E. Contact information related to the party providing this notice:

Contact Name: David Bachand
Street Address: 436 Dwight Street
City/Town: Springfield Zip Code: 01103
Telephone: (413) 755-2221 Email: david.bachand.jr@state.ma.us



Massachusetts Department of Environmental Protection
Bureau of Waste Site Cleanup

BWSC123

This Notice is Related to:
Release Tracking Number

NOTICE OF ENVIRONMENTAL SAMPLING

1 - 20093

As required by 310 CMR 40.1403(10) of the Massachusetts Contingency Plan

MASSACHUSETTS REGULATIONS THAT REQUIRE THIS NOTICE

This notice is being provided pursuant to the Massachusetts Contingency Plan and the notification requirement at 310 CMR 40.1403(10). The Massachusetts Contingency Plan is a state regulation that specifies requirements for parties who are taking actions to address releases of chemicals (oil or hazardous material) to the environment.

THE PERSON(S) PROVIDING THIS NOTICE

This notice has been sent to you by the party who is addressing a release of oil or hazardous material to the environment at the location listed in **Section A** on the reverse side of this form. (The regulations refer to the area where the oil or hazardous material is present as the "disposal site".)

PURPOSE OF THIS NOTICE

When environmental samples are taken as part of an investigation of a release for which a notification to MassDEP has been made under the Massachusetts Contingency Plan (310 CMR 40.0300) on behalf of someone other than the owner of the property, the regulations require that the property owner (listed in **Section B** on the reverse side of this form) be given notice of the environmental sampling. The regulations also require that the property owner subsequently receive the analytical results following the analysis of the environmental samples.

Section C on the reverse side of this form indicates the circumstance under which you are receiving this notice at this time. If you are receiving this notice to inform you of the analytical results following the analysis of the environmental samples, you should also have received, as an attachment, a copy of analytical results. These results should indicate the number and type(s) of samples (e.g., soil, groundwater) analyzed, any chemicals identified, and the measured concentrations of those chemicals.

Section D on the reverse side of this form identifies the property where the environmental sampling will be/has been conducted, provides a description of the sampling locations within the property, and indicates the phase of work under the Massachusetts Contingency Plan regulatory process during which the samples will be/were collected.

FOR MORE INFORMATION

Information about the general process for addressing releases of oil or hazardous material under the Massachusetts Contingency Plan and related public involvement opportunities may be found at <http://www.mass.gov/eea/agencies/massdep/cleanup>. For more information regarding this notice, you may contact the party listed in **Section E** on the reverse side of this form. Information about the disposal site identified in Section A is also available in files at the Massachusetts Department of Environmental Protection. See <http://public.dep.state.ma.us/SearchableSites2/Search.aspx> to view site-specific files on-line or <http://mass.gov/eea/agencies/massdep/about/contacts/conduct-a-file-review.html> if you would like to make an appointment to see these files in person. Please reference the **Release Tracking Number** listed in the upper right hand corner on the reverse side of this form when making file review appointments.



39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

September 6, 2017

Rob Smith
ATC Group Services LLC - West Springfield
73 Williams Franks Drive
West Springfield, MA 01089

Project Location: 1880 East Mountain Rd., Westfield, MA
Client Job Number:
Project Number: 183EM00170
Laboratory Work Order Number: 17H1451

Enclosed are results of analyses for samples received by the laboratory on August 25, 2017. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

A handwritten signature in black ink that reads "Kerry K. McGee". The signature is written in a cursive, flowing style.

Kerry K. McGee
Project Manager

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

ATC Group Services LLC - West Springfield
73 Williams Franks Drive
West Springfield, MA 01089
ATTN: Rob Smith

REPORT DATE: 9/6/2017

PURCHASE ORDER NUMBER:

PROJECT NUMBER: 183EM00170

ANALYTICAL SUMMARY

WORK ORDER NUMBER: 17H1451

The results of analyses performed on the following samples submitted to the CON-TEST Analytical Laboratory are found in this report.

PROJECT LOCATION: 1880 East Mountain Rd., Westfield, MA

FIELD SAMPLE #	LAB ID:	MATRIX	SAMPLE DESCRIPTION	TEST	SUB LAB
1880 East Mountain Rd - 1	17H1451-01	Drinking Water		SOP 434-PFAAS	



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CASE NARRATIVE SUMMARY

All reported results are within defined laboratory quality control objectives unless listed below or otherwise qualified in this report.

The results of analyses reported only relate to samples submitted to the Con-Test Analytical Laboratory for testing. I certify that the analyses listed above, unless specifically listed as subcontracted, if any, were performed under my direction according to the approved methodologies listed in this document, and that based upon my inquiry of those individuals immediately responsible for obtaining the information, the material contained in this report is, to the best of my knowledge and belief, accurate and complete.

A handwritten signature in black ink, appearing to read "Lisa A. Worthington". The signature is written in a cursive, flowing style.

Lisa A. Worthington
Project Manager

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 1880 East Mountain Rd., Westfie

Sample Description:

Work Order: 17H1451

Date Received: 8/25/2017

Field Sample #: 1880 East Mountain Rd ; 1

Sampled: 8/25/2017 10:36

Sample ID: 17H1451-01

Sample Matrix: Drinking Water

Miscellaneous Organic Analyses

Analyte	Results	MCL/SMCL		Units	Dilution	Flag/Qual	Method	Date	Date/Time	Analyst
		RL	MA ORSG					Prepared	Analyzed	
Perfluorobutanesulfonic acid (PFBS)	ND	2.0		ng/L	1		SOP 434-PFAAS	8/29/17	9/6/17 14:58	BLM
Perfluorohexanoic acid (PFHxA)	ND	2.0		ng/L	1		SOP 434-PFAAS	8/29/17	9/6/17 14:58	BLM
Perfluoroheptanoic acid (PFHpA)	ND	2.0		ng/L	1		SOP 434-PFAAS	8/29/17	9/6/17 14:58	BLM
Perfluorohexanesulfonic acid (PFHxS)	ND	2.0		ng/L	1		SOP 434-PFAAS	8/29/17	9/6/17 14:58	BLM
Perfluorooctanoic acid (PFOA)	ND	2.0		ng/L	1		SOP 434-PFAAS	8/29/17	9/6/17 14:58	BLM
Perfluorooctanesulfonic acid (PFOS)	ND	2.0		ng/L	1		SOP 434-PFAAS	8/29/17	9/6/17 14:58	BLM
Perfluorononanoic acid (PFNA)	ND	2.0		ng/L	1		SOP 434-PFAAS	8/29/17	9/6/17 14:58	BLM
Perfluorodecanoic acid (PFDA)	ND	2.0		ng/L	1		SOP 434-PFAAS	8/29/17	9/6/17 14:58	BLM
NMeFOSAA	ND	2.0		ng/L	1		SOP 434-PFAAS	8/29/17	9/6/17 14:58	BLM
Perfluoroundecanoic acid (PFUnA)	ND	2.0		ng/L	1		SOP 434-PFAAS	8/29/17	9/6/17 14:58	BLM
NEtFOSAA	ND	2.0		ng/L	1		SOP 434-PFAAS	8/29/17	9/6/17 14:58	BLM
Perfluorododecanoic acid (PFDoA)	ND	2.0		ng/L	1		SOP 434-PFAAS	8/29/17	9/6/17 14:58	BLM
Perfluorotridecanoic acid (PFTrDA)	ND	2.0		ng/L	1		SOP 434-PFAAS	8/29/17	9/6/17 14:58	BLM
Perfluorotetradecanoic acid (PFTA)	ND	2.0		ng/L	1		SOP 434-PFAAS	8/29/17	9/6/17 14:58	BLM
Surrogates		% Recovery		Recovery Limits		Flag/Qual				
I3C-PFHxA		101		70-130					9/6/17 14:58	
I3C-PFDA		101		70-130					9/6/17 14:58	
d5-NEtFOSAA		84.9		70-130					9/6/17 14:58	



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Sample Extraction Data

Prep Method: EPA 537-SOP 434-PFAAS

Lab Number [Field ID]	Batch	Initial [mL]	Final [mL]	Date
17H1451-01 [1880 East Mountain Rd - 1]	B185125	250	1.00	08/29/17



39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

QUALITY CONTROL

Miscellaneous Organic Analyses - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B185125 - EPA 537										
Blank (B185125-BLK1)										
Prepared: 08/29/17 Analyzed: 08/31/17										
Perfluorobutanesulfonic acid (PFBS)	ND	2.0	ng/L							
Perfluorohexanoic acid (PFHxA)	ND	2.0	ng/L							
Perfluoroheptanoic acid (PFHpA)	ND	2.0	ng/L							
Perfluorohexanesulfonic acid (PFHxS)	ND	2.0	ng/L							
Perfluorooctanoic acid (PFOA)	ND	2.0	ng/L							
Perfluorooctanesulfonic acid (PFOS)	ND	2.0	ng/L							
Perfluorononanoic acid (PFNA)	ND	2.0	ng/L							
Perfluorodecanoic acid (PFDA)	ND	2.0	ng/L							
NMeFOSAA	ND	2.0	ng/L							
Perfluoroundecanoic acid (PFUnA)	ND	2.0	ng/L							
NEtFOSAA	ND	2.0	ng/L							
Perfluorododecanoic acid (PFDoA)	ND	2.0	ng/L							
Perfluorotridecanoic acid (PFTrDA)	ND	2.0	ng/L							
Perfluorotetradecanoic acid (PFTA)	ND	2.0	ng/L							
Surrogate: 13C-PFHxA	38.3		ng/L	40.0		95.8	70-130			
Surrogate: 13C-PFDA	36.6		ng/L	40.0		91.5	70-130			
Surrogate: d5-NEtFOSAA	117		ng/L	160		73.4	70-130			
LCS (B185125-BS1)										
Prepared: 08/29/17 Analyzed: 08/31/17										
Perfluorobutanesulfonic acid (PFBS)	1.63	2.0	ng/L	1.77		92.2	70-130			
Perfluorohexanoic acid (PFHxA)	2.31	2.0	ng/L	2.00		115	70-130			
Perfluoroheptanoic acid (PFHpA)	1.96	2.0	ng/L	2.00		97.9	70-130			
Perfluorohexanesulfonic acid (PFHxS)	1.91	2.0	ng/L	1.82		105	70-130			
Perfluorooctanoic acid (PFOA)	2.29	2.0	ng/L	2.00		114	70-130			
Perfluorooctanesulfonic acid (PFOS)	1.69	2.0	ng/L	1.85		91.2	70-130			
Perfluorononanoic acid (PFNA)	1.94	2.0	ng/L	2.00		97.0	70-130			
Perfluorodecanoic acid (PFDA)	1.80	2.0	ng/L	2.00		90.2	70-130			
NMeFOSAA	2.06	2.0	ng/L	2.00		103	70-130			
Perfluoroundecanoic acid (PFUnA)	1.78	2.0	ng/L	2.00		89.2	70-130			
NEtFOSAA	2.13	2.0	ng/L	2.00		107	70-130			
Perfluorododecanoic acid (PFDoA)	1.67	2.0	ng/L	2.00		83.4	70-130			
Perfluorotridecanoic acid (PFTrDA)	1.52	2.0	ng/L	2.00		76.1	70-130			
Perfluorotetradecanoic acid (PFTA)	1.51	2.0	ng/L	2.00		75.3	70-130			
Surrogate: 13C-PFHxA	39.1		ng/L	40.0		97.9	70-130			
Surrogate: 13C-PFDA	41.3		ng/L	40.0		103	70-130			
Surrogate: d5-NEtFOSAA	136		ng/L	160		84.7	70-130			



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FLAG/QUALIFIER SUMMARY

*	QC result is outside of established limits.
†	Wide recovery limits established for difficult compound.
‡	Wide RPD limits established for difficult compound.
#	Data exceeded client recommended or regulatory level
ND	Not Detected
RL	Reporting Limit
DL	Method Detection Limit
MCL	Maximum Contaminant Level

Percent recoveries and relative percent differences (RPDs) are determined by the software using values in the calculation which have not been rounded.

No results have been blank subtracted unless specified in the case narrative section.



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CERTIFICATIONS

Certified Analyses included in this Report

Analyte	Certifications
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No certified Analyses included in this Report

The CON-TEST Environmental Laboratory operates under the following certifications and accreditations:

Code	Description	Number	Expires
AIHA	AIHA-LAP, LLC - ISO17025:2005	I00033	02/1/2018
MA	Massachusetts DEP	M-MA100	06/30/2018
CT	Connecticut Department of Public Health	PH-0567	09/30/2017
NY	New York State Department of Health	10899 NELAP	04/1/2018
NH-S	New Hampshire Environmental Lab	2516 NELAP	02/5/2018
RI	Rhode Island Department of Health	LAO00112	12/30/2017
NC	North Carolina Div. of Water Quality	652	12/31/2017
NJ	New Jersey DEP	MA007 NELAP	06/30/2018
FL	Florida Department of Health	E871027 NELAP	06/30/2018
VT	Vermont Department of Health Lead Laboratory	LL015036	07/30/2018
ME	State of Maine	2011028	06/9/2019
VA	Commonwealth of Virginia	460217	12/14/2017
NH-P	New Hampshire Environmental Lab	2557 NELAP	09/6/2017
VT-DW	Vermont Department of Health Drinking Water	VT-255716	06/12/2018
NC-DW	North Carolina Department of Health	25703	07/31/2018

17H1451



Phone: 413-525-2332
 Fax: 413-525-6405
 Email: info@contestlabs.com

http://www.contestlabs.com
 CHAIN OF CUSTODY RECORD

Doc # 381 Rev 1_03242017
 39 Spruce Street
 East Longmeadow, MA 01028

Page 1 of 1

Company Name: ATC Group Services
Address: 73 William Franks Drive, West Springfield, MA
Phone: (413) 781-0070
Project Name: 1880 East Mountain Rd, Westfield
Project Location: 1880 East Mountain Rd, Westfield
Project Number: 183EM00170
Project Manager: Rob Smith
Con-Test Quote Name/Number:
Invoice Recipient:
Sampled By: Elizabeth O'Connor

Con-Test Work Order #	Client Sample ID / Description	Beginning Date/Time	Ending Date/Time	Composite	Grab	Matrix Code	Conc Code
	1880 East Mountain Rd - field blank	8/25/2017	10:22		X	DW	U
	1880 East Mountain Rd - 1	8/25/2017	10:36		X	DW	U
	1880 East Mountain Rd - 2	8/25/2017	10:37		X	DW	U

Requested Turnaround Time: 7-Day 10-Day
Due Date: 5-day TAT
Rush-Approval Required: 1-Day 3-Day 2-Day 4-Day
Data Delivery: Format: PDF EXCEL
 Other:
CLP Like Data Pkg Required:
Email To:
Fax To #:

ANALYSIS REQUESTED
 EPA METHOD 537
 TOTAL AS, Fe, HARDNESS, TOC

Comments:
 RUN EPA Method 537: 1880 East Mountain Rd-1
 EXTRACT & HOLD EPA Method 537: 1880 East Mountain Rd-field blank & 1880 East Mountain Rd-2
 HOLD AS, Fe, Hardness, TOC

Please use the following codes to indicate possible sample concentration within the Conc Code column above:
 H - High; M - Medium; L - Low; C - Clean; U - Unknown

Relinquished by: (signature) Elizabeth O'Connor Date/Time: 8/25/17 13:30
Received by: (signature) SAMPLE REFRIGERATOR Date/Time: 8/25/17 13:30
Relinquished by: (signature) SAMPLE REFRIGERATOR Date/Time: 8/25/17 17:30
Relinquished by: (signature) SAMPLE REFRIGERATOR Date/Time: 8/25/17 17:30
Relinquished by: (signature) SAMPLE REFRIGERATOR Date/Time: 8/25/17 18:15

Detection Limit Requirements: MA MA MCP Required
 CT MCP Certification Form Required
 CT RCP Certification Form Required
 Other: MA State DW Required
PWSID #:

Project Entity:
 Government Municipality WRTA Other
 Federal 21 J School Chromatogram
 City Brownfield MBTA AIHA-LAP, LLC

PCB ONLY:
 Soxhlet
 Non Soxhlet



39 Spruce St.
 East Longmeadow, MA. 01028
 P: 413-525-2332
 F: 413-525-6405
 www.contestlabs.com



Doc# 277 Rev 5 2017

Login Sample Receipt Checklist - (Rejection Criteria Listing - Using Acceptance Policy) Any False Statement will be brought to the attention of the Client - State True or False

Client ATC
 Received By JM Date 8/25/17 Time 1815
 How were the samples received? In Cooler T No Cooler _____ On Ice T No Ice _____
 Direct from Sampling _____ Ambient _____ Melted Ice _____
 Were samples within Temperature? 2-6°C T By Gun # 1 Actual Temp - 3.4
 By Blank # _____ Actual Temp - _____
 Was Custody Seal Intact? N/A Were Samples Tampered with? N/A
 Was COC Relinquished? T Does Chain Agree With Samples? T
 Are there broken/leaking/loose caps on any samples? F
 Is COC in ink/ Legible? T Were samples received within holding time? T
 Did COC include all pertinent Information? Client T Analysis T Sampler Name T
 Project T ID's T Collection Dates/Times T
 Are Sample labels filled out and legible? T
 Are there Lab to Filters? N/A Who was notified? _____
 Are there Rushes? N/A Who was notified? _____
 Are there Short Holds? N/A Who was notified? _____
 Is there enough Volume? T
 Is there Headspace where applicable? T MS/MSD? N/A
 Proper Media/Containers Used? T Is splitting samples required? N/A
 Were trip blanks received? N/A On COC? _____
 Do all samples have the proper pH? Acid T Base _____

Vials	#	Containers	#	#	#
Unp-		1 Liter Amb.		1 Liter Plastic	16 oz Amb.
HCL-	<u>2</u>	500 mL Amb.		500 mL Plastic	8oz Amb/Clear
Meoh-		250 mL Amb.		250 mL Plastic	<u>3</u> 4oz Amb/Clear
Bisulfate-		Col./Bacteria		Flashpoint	2oz Amb/Clear
DI-		Other Plastic		Other Glass	Encore
Thiosulfate-		SOC Kit		Plastic Bag	Frozen:
Sulfuric-		Perchlorate		Ziplock	

Unused Media

Vials	#	Containers	#	#	#
Unp-		1 Liter Amb.		1 Liter Plastic	16 oz Amb.
HCL-		500 mL Amb.		500 mL Plastic	8oz Amb/Clear
Meoh-		250 mL Amb.		250 mL Plastic	4oz Amb/Clear
Bisulfate-		Col./Bacteria		Flashpoint	2oz Amb/Clear
DI-		Other Plastic		Other Glass	Encore
Thiosulfate-		SOC Kit		Plastic Bag	Frozen:
Sulfuric-		Perchlorate		Ziplock	

Comments:



Commonwealth of Massachusetts
Executive Office of Energy & Environmental Affairs

Department of Environmental Protection

Western Regional Office • 436 Dwight Street, Springfield MA 01103 • 413-784-1100

Charles D. Baker
Governor

Karyn E. Polito
Lieutenant Governor

Matthew A. Beaton
Secretary

Martin Suuberg
Commissioner

September 13, 2017

Linda Allen
33 Indian Ridge Road
Westfield, MA 01085

RE: Notice of Environmental Sampling
33 Indian Ridge Road
Westfield Private Well Sampling

Dear Ms. Allen:

The Department of Environmental Protection (DEP) collected a drinking water sample from your private well on August 25, 2017. The purpose of the sampling was to investigate whether your well has been affected by a release of perfluorinated compounds (PFCs) to local groundwater. The sample was sent to a certified laboratory and analyzed for PFC compounds by modified United States Protection Agency (EPA) Method 317.1. EPA has established a Lifetime Health Advisory level at 70 parts per trillion (ppt), for two specific compounds which have been the most extensively used and studied, PFOA (perfluorooctanoic acid) and PFOS (perfluorooctane sulfonic acid). If both PFOA and PFOS are identified in drinking water the combined concentrations are compared to the 70 ppt health advisory level. The Health Advisory offers a margin of protection from a lifetime of exposure to PFOA and PFOS for all individuals from adverse health effects resulting from exposure from PFOA and PFOS in drinking water. ¹

The sampling result indicated a total PFOA and PFOS concentration of 8.1 ppt in the drinking water sample. The results of a duplicate sample confirmed these results. This concentration is well below the health advisory level of 70 ppt. Based on the low concentrations of PFC compounds detected in the sample collected from your well, no further action, including additional sampling and/or mitigation measures (i.e. bottled water) are required at this time. However, additional sampling may be required in the future. The Department thanks you for granting access to your property.

This information is available in alternate format. Contact Michelle Waters-Ekanem, Director of Diversity/Civil Rights at 617-292-5751.

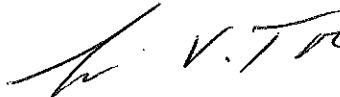
TTY# MassRelay Service 1-800-439-2370

MassDEP Website: www.mass.gov/dep

Printed on Recycled Paper

If you have any questions pertaining to this Notice of Environmental Sampling or with the information contained within, please feel free to contact David Bachand at (413) 755-2221 or Cynthia Pawloski at (413) 755-2247.

Sincerely,



Eva Tor
Deputy Regional Director
Bureau of Waste Site Cleanup

¹ Fact Sheet PFOA & PFOS Drinking Water Health Advisories. EPA, EPA 800 F-16-003, June 2016

Attachments: Notice of Environmental Sampling (BWSC-123)
Laboratory Report

cc : Mayor, City of Westfield
Barnes ANG-John Richardson
Barnes Aquifer Protection Committee
Westfield DPW – David Billips
Westfield Health Department
Westfield Councilor Mary Ann Babinski
Dr. Marc A. Nascarella, Ph.D/DPH

cc:

Denise Andler, DEP WERO
Data Entry: FOLOFF, FOLFLD



Massachusetts Department of Environmental Protection
Bureau of Waste Site Cleanup

BWSC123

This Notice is Related to:
Release Tracking Number

NOTICE OF ENVIRONMENTAL SAMPLING

As required by 310 CMR 40.1403(10) of the Massachusetts Contingency Plan

1 - 20093

A. The address of the disposal site related to this Notice and Release Tracking Number (provided above):

1. Street Address: 175 Falcon Drive
City/Town: Westfield Zip Code: 01085

B. This notice is being provided to the following party:

1. Name: Linda Allen
2. Street Address: 33 Indian Ridge Road
City/Town: Westfield Zip Code: 01085

C. This notice is being given to inform its recipient (the party listed in Section B):

1. That environmental sampling will be/has been conducted at property owned by the recipient of this notice.
2. Of the results of environmental sampling conducted at property owned by the recipient of this notice.
3. Check to indicate if the analytical results are attached. (If item 2. above is checked, the analytical results from the environmental sampling must be attached to this notice.)

D. Location of the property where the environmental sampling will be/has been conducted:

1. Street Address: 33 Indian Ridge Road
City/Town: Westfield Zip Code: 01085

2. MCP phase of work during which the sampling will be/has been conducted:

- | | |
|---|--|
| <input checked="" type="checkbox"/> Immediate Response Action | <input type="checkbox"/> Phase III Feasibility Evaluation |
| <input type="checkbox"/> Release Abatement Measure | <input type="checkbox"/> Phase IV Remedy Implementation Plan |
| <input type="checkbox"/> Utility-related Abatement Measure | <input type="checkbox"/> Phase V/Remedy Operation Status |
| <input type="checkbox"/> Phase I Initial Site Investigation | <input type="checkbox"/> Post-Temporary Solution Operation, Maintenance and Monitoring |
| <input type="checkbox"/> Phase II Comprehensive Site Assessment | <input type="checkbox"/> Other _____ |
- (specify)

3. Description of property where sampling will be/has been conducted:

- residential commercial industrial school/playground Other _____
- (specify)

4. Description of the sampling locations and types (e.g., soil, groundwater, indoor air, soil gas) to the extent known at the time of this notice.

Drinking water samples were collected from the private well located on the above-referenced property and analyzed for PFAS compounds via EPA Method 537.1

E. Contact information related to the party providing this notice:

Contact Name: David Bachand
Street Address: 436 Dwight Street
City/Town: Springfield Zip Code: 01103
Telephone: (413) 755-2221 Email: david.bachand.jr@state.ma.us



Massachusetts Department of Environmental Protection
Bureau of Waste Site Cleanup

BWSC123

This Notice is Related to:
Release Tracking Number

NOTICE OF ENVIRONMENTAL SAMPLING

1 - 20093

As required by 310 CMR 40.1403(10) of the Massachusetts Contingency Plan

MASSACHUSETTS REGULATIONS THAT REQUIRE THIS NOTICE

This notice is being provided pursuant to the Massachusetts Contingency Plan and the notification requirement at 310 CMR 40.1403(10). The Massachusetts Contingency Plan is a state regulation that specifies requirements for parties who are taking actions to address releases of chemicals (oil or hazardous material) to the environment.

THE PERSON(S) PROVIDING THIS NOTICE

This notice has been sent to you by the party who is addressing a release of oil or hazardous material to the environment at the location listed in **Section A** on the reverse side of this form. (The regulations refer to the area where the oil or hazardous material is present as the "disposal site".)

PURPOSE OF THIS NOTICE

When environmental samples are taken as part of an investigation of a release for which a notification to MassDEP has been made under the Massachusetts Contingency Plan (310 CMR 40.0300) on behalf of someone other than the owner of the property, the regulations require that the property owner (listed in **Section B** on the reverse side of this form) be given notice of the environmental sampling. The regulations also require that the property owner subsequently receive the analytical results following the analysis of the environmental samples.

Section C on the reverse side of this form indicates the circumstance under which you are receiving this notice at this time. If you are receiving this notice to inform you of the analytical results following the analysis of the environmental samples, you should also have received, as an attachment, a copy of analytical results. These results should indicate the number and type(s) of samples (e.g., soil, groundwater) analyzed, any chemicals identified, and the measured concentrations of those chemicals.

Section D on the reverse side of this form identifies the property where the environmental sampling will be/has been conducted, provides a description of the sampling locations within the property, and indicates the phase of work under the Massachusetts Contingency Plan regulatory process during which the samples will be/were collected.

FOR MORE INFORMATION

Information about the general process for addressing releases of oil or hazardous material under the Massachusetts Contingency Plan and related public involvement opportunities may be found at <http://www.mass.gov/eea/agencies/massdep/cleanup>. For more information regarding this notice, you may contact the party listed in **Section E** on the reverse side of this form. Information about the disposal site identified in Section A is also available in files at the Massachusetts Department of Environmental Protection. See <http://public.dep.state.ma.us/SearchableSites2/Search.aspx> to view site-specific files on-line or <http://mass.gov/eea/agencies/massdep/about/contacts/conduct-a-file-review.html> if you would like to make an appointment to see these files in person. Please reference the **Release Tracking Number** listed in the upper right hand corner on the reverse side of this form when making file review appointments.


September 6, 2017

Rob Smith
ATC Group Services LLC - West Springfield
73 Williams Franks Drive
West Springfield, MA 01089

Project Location: 33 Indian Ridge Rd., Westfield, MA
Client Job Number:
Project Number: 183EM00170
Laboratory Work Order Number: 17H1446

Enclosed are results of analyses for samples received by the laboratory on August 25, 2017. If you have any questions concerning this report, please feel free to contact me.

Sincerely,



Kerry K. McGee
Project Manager

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

ATC Group Services LLC - West Springfield
 73 Williams Franks Drive
 West Springfield, MA 01089
 ATTN: Rob Smith

REPORT DATE: 9/6/2017

PURCHASE ORDER NUMBER:

PROJECT NUMBER: 183EM00170

ANALYTICAL SUMMARY

WORK ORDER NUMBER: 17H1446

The results of analyses performed on the following samples submitted to the CON-TEST Analytical Laboratory are found in this report.

PROJECT LOCATION: 33 Indian Ridge Rd., Westfield, MA

FIELD SAMPLE #	LAB ID:	MATRIX	SAMPLE DESCRIPTION	TEST	SUB LAB
33 Indian Ridge Rd - 1	17H1446-01	Drinking Water		SOP 434-PFAAS	
33 Indian Ridge Rd - 3	17H1446-02	Drinking Water		SOP 434-PFAAS	

CASE NARRATIVE SUMMARY

All reported results are within defined laboratory quality control objectives unless listed below or otherwise qualified in this report.

The results of analyses reported only relate to samples submitted to the Con-Test Analytical Laboratory for testing.

I certify that the analyses listed above, unless specifically listed as subcontracted, if any, were performed under my direction according to the approved methodologies listed in this document, and that based upon my inquiry of those individuals immediately responsible for obtaining the information, the material contained in this report is, to the best of my knowledge and belief, accurate and complete.

A handwritten signature in black ink, appearing to read "Lisa Worthington", written in a cursive style.

Lisa A. Worthington
Project Manager



39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 33 Indian Ridge Rd., Westfield, M

Sample Description:

Work Order: 17H1446

Date Received: 8/25/2017

Field Sample #: 33 Indian Ridge Rd - 1

Sampled: 8/25/2017 09:34

Sample ID: 17H1446-01

Sample Matrix: Drinking Water

Miscellaneous Organic Analyses

Analyte	Results	MCL/SMCL		Units	Dilution	Flag/Qual	Method	Date	Date/Time	Analyst
		RL	MA ORSG					Prepared	Analyzed	
Perfluorobutanesulfonic acid (PFBS)	4.3	2.0		ng/L	1		SOP 434-PFAAS	8/29/17	9/6/17 14:07	BLM
Perfluorohexanoic acid (PFHxA)	5.4	2.0		ng/L	1		SOP 434-PFAAS	8/29/17	9/6/17 14:07	BLM
Perfluoroheptanoic acid (PFHpA)	2.0	2.0		ng/L	1		SOP 434-PFAAS	8/29/17	9/6/17 14:07	BLM
Perfluorohexanesulfonic acid (PFHxS)	2.4	2.0		ng/L	1		SOP 434-PFAAS	8/29/17	9/6/17 14:07	BLM
Perfluorooctanoic acid (PFOA)	5.7	2.0		ng/L	1		SOP 434-PFAAS	8/29/17	9/6/17 14:07	BLM
Perfluorooctanesulfonic acid (PFOS)	2.4	2.0		ng/L	1		SOP 434-PFAAS	8/29/17	9/6/17 14:07	BLM
Perfluorononanoic acid (PFNA)	ND	2.0		ng/L	1		SOP 434-PFAAS	8/29/17	9/6/17 14:07	BLM
Perfluorodecanoic acid (PFDA)	ND	2.0		ng/L	1		SOP 434-PFAAS	8/29/17	9/6/17 14:07	BLM
NMeFOSAA	ND	2.0		ng/L	1		SOP 434-PFAAS	8/29/17	9/6/17 14:07	BLM
Perfluoroundecanoic acid (PFUnA)	ND	2.0		ng/L	1		SOP 434-PFAAS	8/29/17	9/6/17 14:07	BLM
NEtFOSAA	ND	2.0		ng/L	1		SOP 434-PFAAS	8/29/17	9/6/17 14:07	BLM
Perfluorododecanoic acid (PFDoA)	ND	2.0		ng/L	1		SOP 434-PFAAS	8/29/17	9/6/17 14:07	BLM
Perfluorotridecanoic acid (PFTrDA)	ND	2.0		ng/L	1		SOP 434-PFAAS	8/29/17	9/6/17 14:07	BLM
Perfluorotetradecanoic acid (PFTA)	ND	2.0		ng/L	1		SOP 434-PFAAS	8/29/17	9/6/17 14:07	BLM

Surrogates	% Recovery	Recovery Limits	Flag/Qual
13C-PFHxA	122	70-130	9/6/17 14:07
13C-PFDA	90.6	70-130	9/6/17 14:07
d5-NEtFOSAA	81.2	70-130	9/6/17 14:07

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 33 Indian Ridge Rd., Westfield, M

Sample Description:

Work Order: 17H1446

Date Received: 8/25/2017

Field Sample #: 33 Indian Ridge Rd - 3

Sampled: 8/25/2017 09:47

Sample ID: 17H1446-02

Sample Matrix: Drinking Water

Miscellaneous Organic Analyses

Analyte	Results	MCL/SMCL		Units	Dilution	Flag/Qual	Method	Date	Date/Time	Analyst
		RL	MA ORSG					Prepared	Analyzed	
Perfluorobutanesulfonic acid (PFBS)	3.1	2.0		ng/L	1		SOP 434-PFAAS	8/29/17	9/6/17 15:11	BLM
Perfluorohexanoic acid (PFHxA)	5.0	2.0		ng/L	1		SOP 434-PFAAS	8/29/17	9/6/17 15:11	BLM
Perfluoroheptanoic acid (PFHpA)	2.1	2.0		ng/L	1		SOP 434-PFAAS	8/29/17	9/6/17 15:11	BLM
Perfluorohexanesulfonic acid (PFHxS)	2.2	2.0		ng/L	1		SOP 434-PFAAS	8/29/17	9/6/17 15:11	BLM
Perfluorooctanoic acid (PFOA)	5.6	2.0		ng/L	1		SOP 434-PFAAS	8/29/17	9/6/17 15:11	BLM
Perfluorooctanesulfonic acid (PFOS)	ND	2.0		ng/L	1		SOP 434-PFAAS	8/29/17	9/6/17 15:11	BLM
Perfluorononanoic acid (PFNA)	ND	2.0		ng/L	1		SOP 434-PFAAS	8/29/17	9/6/17 15:11	BLM
Perfluorodecanoic acid (PFDA)	ND	2.0		ng/L	1		SOP 434-PFAAS	8/29/17	9/6/17 15:11	BLM
NMeFOSAA	ND	2.0		ng/L	1		SOP 434-PFAAS	8/29/17	9/6/17 15:11	BLM
Perfluoroundecanoic acid (PFUnA)	ND	2.0		ng/L	1		SOP 434-PFAAS	8/29/17	9/6/17 15:11	BLM
NEtFOSAA	ND	2.0		ng/L	1		SOP 434-PFAAS	8/29/17	9/6/17 15:11	BLM
Perfluorododecanoic acid (PFDoA)	ND	2.0		ng/L	1		SOP 434-PFAAS	8/29/17	9/6/17 15:11	BLM
Perfluorotridecanoic acid (PFTriDA)	ND	2.0		ng/L	1		SOP 434-PFAAS	8/29/17	9/6/17 15:11	BLM
Perfluorotetradecanoic acid (PFTA)	ND	2.0		ng/L	1		SOP 434-PFAAS	8/29/17	9/6/17 15:11	BLM
Surrogates		% Recovery	Recovery Limits			Flag/Qual				
13C-PFHxA		113	70-130						9/6/17 15:11	
13C-PFDA		101	70-130						9/6/17 15:11	
d5-NEtFOSAA		78.8	70-130						9/6/17 15:11	



39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Sample Extraction Data

Prep Method: EPA 537-SOP 434-PFAAS

Lab Number [Field ID]	Batch	Initial [mL]	Final [mL]	Date
17H1446-01 [33 Indian Ridge Rd - 1]	B185125	250	1.00	08/29/17
17H1446-02 [33 Indian Ridge Rd - 3]	B185125	250	1.00	08/29/17

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

QUALITY CONTROL

Miscellaneous Organic Analyses - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B185125 - EPA 537										
Blank (B185125-BLK1)										
Prepared: 08/29/17 Analyzed: 08/31/17										
Perfluorobutanesulfonic acid (PFBS)	ND	2.0	ng/L							
Perfluorohexanoic acid (PFHxA)	ND	2.0	ng/L							
Perfluoroheptanoic acid (PFHpA)	ND	2.0	ng/L							
Perfluorohexanesulfonic acid (PFHxS)	ND	2.0	ng/L							
Perfluorooctanoic acid (PFOA)	ND	2.0	ng/L							
Perfluorooctanesulfonic acid (PFOS)	ND	2.0	ng/L							
Perfluorononanoic acid (PFNA)	ND	2.0	ng/L							
Perfluorodecanoic acid (PFDA)	ND	2.0	ng/L							
NMeFOSAA	ND	2.0	ng/L							
Perfluoroundecanoic acid (PFUnA)	ND	2.0	ng/L							
NEtFOSAA	ND	2.0	ng/L							
Perfluorododecanoic acid (PFDoA)	ND	2.0	ng/L							
Perfluorotridecanoic acid (PFTrDA)	ND	2.0	ng/L							
Perfluorotetradecanoic acid (PFTA)	ND	2.0	ng/L							
Surrogate: 13C-PFHxA	38.3		ng/L	40.0		95.8	70-130			
Surrogate: 13C-PFDA	36.6		ng/L	40.0		91.5	70-130			
Surrogate: d5-NEtFOSAA	117		ng/L	160		73.4	70-130			
LCS (B185125-BS1)										
Prepared: 08/29/17 Analyzed: 08/31/17										
Perfluorobutanesulfonic acid (PFBS)	1.63	2.0	ng/L	1.77		92.2	70-130			
Perfluorohexanoic acid (PFHxA)	2.31	2.0	ng/L	2.00		115	70-130			
Perfluoroheptanoic acid (PFHpA)	1.96	2.0	ng/L	2.00		97.9	70-130			
Perfluorohexanesulfonic acid (PFHxS)	1.91	2.0	ng/L	1.82		105	70-130			
Perfluorooctanoic acid (PFOA)	2.29	2.0	ng/L	2.00		114	70-130			
Perfluorooctanesulfonic acid (PFOS)	1.69	2.0	ng/L	1.85		91.2	70-130			
Perfluorononanoic acid (PFNA)	1.94	2.0	ng/L	2.00		97.0	70-130			
Perfluorodecanoic acid (PFDA)	1.80	2.0	ng/L	2.00		90.2	70-130			
NMeFOSAA	2.06	2.0	ng/L	2.00		103	70-130			
Perfluoroundecanoic acid (PFUnA)	1.78	2.0	ng/L	2.00		89.2	70-130			
NEtFOSAA	2.13	2.0	ng/L	2.00		107	70-130			
Perfluorododecanoic acid (PFDoA)	1.67	2.0	ng/L	2.00		83.4	70-130			
Perfluorotridecanoic acid (PFTrDA)	1.52	2.0	ng/L	2.00		76.1	70-130			
Perfluorotetradecanoic acid (PFTA)	1.51	2.0	ng/L	2.00		75.3	70-130			
Surrogate: 13C-PFHxA	39.1		ng/L	40.0		97.9	70-130			
Surrogate: 13C-PFDA	41.3		ng/L	40.0		103	70-130			
Surrogate: d5-NEtFOSAA	136		ng/L	160		84.7	70-130			



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FLAG/QUALIFIER SUMMARY

*	QC result is outside of established limits.
†	Wide recovery limits established for difficult compound.
‡	Wide RPD limits established for difficult compound.
#	Data exceeded client recommended or regulatory level
ND	Not Detected
RL	Reporting Limit
DL	Method Detection Limit
MCL	Maximum Contaminant Level

Percent recoveries and relative percent differences (RPDs) are determined by the software using values in the calculation which have not been rounded.

No results have been blank subtracted unless specified in the case narrative section.

CERTIFICATIONS

Certified Analyses included in this Report

Analyte	Certifications
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No certified Analyses included in this Report

The CON-TEST Environmental Laboratory operates under the following certifications and accreditations:

Code	Description	Number	Expires
AIHA	AIHA-LAP, LLC - ISO17025:2005	I00033	02/1/2018
MA	Massachusetts DEP	M-MA100	06/30/2018
CT	Connecticut Department of Public Health	PH-0567	09/30/2017
NY	New York State Department of Health	10899 NELAP ¹	04/1/2018
NH-S	New Hampshire Environmental Lab	2516 NELAP	02/5/2018
RI	Rhode Island Department of Health	LAO00112	12/30/2017
NC	North Carolina Div. of Water Quality	652	12/31/2017
NJ	New Jersey DEP	MA007 NELAP	06/30/2018
FL	Florida Department of Health	E871027 NELAP	06/30/2018
VT	Vermont Department of Health Lead Laboratory	LL015036	07/30/2018
ME	State of Maine	2011028	06/9/2019
VA	Commonwealth of Virginia	460217	12/14/2017
NH-P	New Hampshire Environmental Lab	2557 NELAP	09/6/2017
VT-DW	Vermont Department of Health Drinking Water	VT-255716	06/12/2018
NC-DW	North Carolina Department of Health	25703	07/31/2018



Company Name: ATC Group Services Address: 73 William Franks Drive, West Springfield, MA (413) 781-0070		Requested Turnaround Time: <input type="checkbox"/> 7-Day <input type="checkbox"/> 10-Day <input type="checkbox"/> 15-Day Due Date: 5-day TAT		# of Containers: _____ Preservation Code: _____ Container Code: _____	
Project Name: 33 Indian Ridge Rd, Westfield Project Location: 33 Indian Ridge Rd, Westfield Project Number: 183EM00170 Project Manager: Rob Smith		Rush Approval Required: <input type="checkbox"/> 1-Day <input type="checkbox"/> 3-Day <input type="checkbox"/> 4-Day Data Delivery: <input type="checkbox"/> PDF <input checked="" type="checkbox"/> EXCEL		Disolved Metals Samples: <input type="radio"/> Field Filtered <input type="radio"/> Lab to Filter	
Con-Test Quote Name/Number: _____ Invoice Recipient: _____ Sampled By: Elizabeth O'Connor		Other: _____ CLP Like Data Pkg Required: <input type="checkbox"/> Email To: _____ Fax To #: _____		Orthophosphate Samples: <input type="radio"/> Field Filtered <input type="radio"/> Lab to Filter	
Client Sample ID/Description: 33 Indian Ridge Rd - field blank Beginning Date/Time: 8/25/2017 9:23 Ending Date/Time: 8/25/2017 9:34 Matrix Code: DW Grab: X Composite: _____ Conc Code: U		EPA METHOD 537 TOTAL As, Fe, HARDNESS, TOC		Matrix Codes: GW = Ground Water WW = Waste Water DW = Drinking Water A = Air S = Soil SL = Sludge SOL = Solid O = Other (please define)	
Client Sample ID/Description: 33 Indian Ridge Rd - 1 Beginning Date/Time: 8/25/2017 9:35 Ending Date/Time: 8/25/2017 9:47 Matrix Code: DW Grab: X Composite: _____ Conc Code: U				Preservation Codes: I = Iced H = HCL M = Methanol N = Nitric Acid S = Sulfuric Acid B = Sodium Bisulfate X = Sodium Hydroxide T = Sodium Thiosulfate O = Other (please define) TRIZMA	
Client Sample ID/Description: 33 Indian Ridge Rd - 2 Beginning Date/Time: _____ Ending Date/Time: _____ Matrix Code: _____ Grab: _____ Composite: _____ Conc Code: _____					
Client Sample ID/Description: 33 Indian Ridge Rd - 3 Beginning Date/Time: _____ Ending Date/Time: _____ Matrix Code: _____ Grab: _____ Composite: _____ Conc Code: _____					
Comments: RUN EPA Method 537: 33 Indian Ridge Rd-1 and 33 Indian Ridge Rd-3 EXTRACT & HOLD EPA Method 537: 33 Indian Ridge Rd-field blank & 33 Indian Ridge Rd-2 HOLD As, Fe, Hardness, TOC					
Relinquished by: (signature) Elizabeth K. O'Connor Date/Time: 8/25/17 13:30		Detection Limit Requirements: MA MA MCP Required <input type="checkbox"/> MCP Certification Form Required <input type="checkbox"/> CT RCP Required <input type="checkbox"/> RCP Certification Form Required <input type="checkbox"/> MA State DW Required <input type="checkbox"/> PWSID # _____		Special Requirements: _____	
Received by: (signature) SAMPLE RECEIVED Date/Time: 8/25/17 13:30		Project Entity: _____ Government <input type="checkbox"/> MWRA <input type="checkbox"/> Federal <input type="checkbox"/> School <input type="checkbox"/> City <input type="checkbox"/> MBTA <input type="checkbox"/>		Other: <input type="checkbox"/> Chromatogram <input type="checkbox"/> <input type="checkbox"/> WRTA <input type="checkbox"/> AIHA-LAP, LLC	
Relinquished by: (signature) [Signature] Date/Time: 8/25/17 17:30		Project Entity: _____ Government <input type="checkbox"/> MWRA <input type="checkbox"/> Federal <input type="checkbox"/> School <input type="checkbox"/> City <input type="checkbox"/> MBTA <input type="checkbox"/>		Other: <input type="checkbox"/> Chromatogram <input type="checkbox"/> <input type="checkbox"/> WRTA <input type="checkbox"/> AIHA-LAP, LLC	
Relinquished by: (signature) [Signature] Date/Time: 8/25/17 18:15		Project Entity: _____ Government <input type="checkbox"/> MWRA <input type="checkbox"/> Federal <input type="checkbox"/> School <input type="checkbox"/> City <input type="checkbox"/> MBTA <input type="checkbox"/>		Other: <input type="checkbox"/> Chromatogram <input type="checkbox"/> <input type="checkbox"/> WRTA <input type="checkbox"/> AIHA-LAP, LLC	

39 Spruce St.
 East Longmeadow, MA. 01028
 P: 413-525-2332
 F: 413-525-6405
 www.contestlabs.com



con-test
 ANALYTICAL LABORATORY

Doc# 277 Rev 5 2017

Login Sample Receipt Checklist - (Rejection Criteria Listing - Using Acceptance Policy) Any False Statement will be brought to the attention of the Client - State True or False

Client ATC
 Received By JM Date 8/25/17 Time 1815
 How were the samples received? In Cooler T No Cooler _____ On Ice T No Ice _____
 Direct from Sampling _____ Ambient _____ Melted Ice _____
 Were samples within Temperature? 2-6°C T By Gun # 1 Actual Temp - 3.4
 By Blank # _____ Actual Temp - _____
 Was Custody Seal Intact? N/A Were Samples Tampered with? N/A
 Was COC Relinquished? T Does Chain Agree With Samples? T
 Are there broken/leaking/loose caps on any samples? F
 Is COC in ink/ Legible? T Were samples received within holding time? T
 Did COC include all pertinent Information? Client T Analysis T Sampler Name T
 Project T ID's T Collection Dates/Times T
 Are Sample labels filled out and legible? T
 Are there Lab to Filters? N/A Who was notified? _____
 Are there Rushes? N/A Who was notified? _____
 Are there Short Holds? N/A Who was notified? _____
 Is there enough Volume? T
 Is there Headspace where applicable? T MS/MSD? N/A
 Proper Media/Containers Used? T Is splitting samples required? N/A
 Were trip blanks received? N/A On COC? N/A
 Do all samples have the proper pH? Acid T Base _____

Vials	#	Containers	#		
Unp-		1 Liter Amb.		1 Liter Plastic	16 oz Amb.
HCL-	<u>2</u>	500 mL Amb.		500 mL Plastic	8oz Amb/Clear
Meoh-		250 mL Amb.		250 mL Plastic	<u>5</u> 4oz Amb/Clear
Bisulfate-		Col./Bacteria		Flashpoint	2oz Amb/Clear
DI-		Other Plastic		Other Glass	Encore
Thiosulfate-		SOC Kit		Plastic Bag	Frozen:
Sulfuric-		Perchlorate		Ziplock	

Unused Media

Vials	#	Containers	#		
Unp-		1 Liter Amb.		1 Liter Plastic	16 oz Amb.
HCL-		500 mL Amb.		500 mL Plastic	8oz Amb/Clear
Meoh-		250 mL Amb.		250 mL Plastic	4oz Amb/Clear
Bisulfate-		Col./Bacteria		Flashpoint	2oz Amb/Clear
DI-		Other Plastic		Other Glass	Encore
Thiosulfate-		SOC Kit		Plastic Bag	Frozen:
Sulfuric-		Perchlorate		Ziplock	

Comments:



Commonwealth of Massachusetts
Executive Office of Energy & Environmental Affairs

Department of Environmental Protection

Western Regional Office • 436 Dwight Street, Springfield MA 01103 • 413-784-1100

Charles D. Baker
Governor

Karyn E. Polito
Lieutenant Governor

Matthew A. Beaton
Secretary

Martin Suuberg
Commissioner

September 13, 2017

Richard & Esther Brown
22 Indian Ridge Road
Westfield, MA 01085

RE: Notice of Environmental Sampling
22 Indian Ridge Road
Westfield Private Well Sampling

Dear Mr. & Mrs. Brown:

The Department of Environmental Protection (DEP) collected a drinking water sample from your private well on August 25, 2017. The purpose of the sampling was to investigate whether your well has been affected by a release of perfluorinated compounds (PFCs) to local groundwater. The sample was sent to a certified laboratory and analyzed for PFC compounds by modified United States Protection Agency (EPA) Method 317.1. EPA has established a Lifetime Health Advisory level at 70 parts per trillion (ppt), for two specific compounds which have been the most extensively used and studied, PFOA (perfluorooctanoic acid) and PFOS (perfluorooctane sulfonic acid). If both PFOA and PFOS are identified in drinking water the combined concentrations are compared to the 70 ppt health advisory level. The Health Advisory offers a margin of protection from a lifetime of exposure to PFOA and PFOS for all individuals from adverse health effects resulting from exposure from PFOA and PFOS in drinking water. ¹

The sampling result indicated a total PFOA and PFOS concentration of 8.4 ppt in the drinking water sample. The results of a duplicate sample confirmed these results. This concentration is well below the health advisory level of 70 ppt. Based on the low concentrations of PFC compounds detected in the sample collected from your well, no further action, including additional sampling and/or mitigation measures (i.e. bottled water) are required at this time. However, additional sampling may be required in the future. The Department thanks you for granting access to your property.

This information is available in alternate format. Contact Michelle Waters-Ekanem, Director of Diversity/Civil Rights at 617-292-5751.

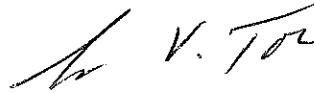
TTY# MassRelay Service 1-800-439-2370

MassDEP Website: www.mass.gov/dep

Printed on Recycled Paper

If you have any questions pertaining to this Notice of Environmental Sampling or with the information contained within, please feel free to contact David Bachand at (413) 755-2221 or Cynthia Pawloski at (413) 755-2247.

Sincerely,



Eva Tor
Deputy Regional Director
Bureau of Waste Site Cleanup

¹ Fact Sheet PFOA & PFOS Drinking Water Health Advisories. EPA, EPA 800 F-16-003, June 2016

Attachments: Notice of Environmental Sampling (BWSC-123)
Laboratory Report

cc : Mayor, City of Westfield
Barnes ANG-John Richardson
Barnes Aquifer Protection Committee
Westfield DPW – David Billips
Westfield Health Department
Westfield Councilor Mary Ann Babinski
Dr. Marc A. Nascarella, Ph.D/DPH

cc:

Denise Andler, DEP WERO
Data Entry: FOLOFF, FOLFLD



Massachusetts Department of Environmental Protection
Bureau of Waste Site Cleanup

BWSC123

This Notice is Related to:
Release Tracking Number

NOTICE OF ENVIRONMENTAL SAMPLING

As required by 310 CMR 40.1403(10) of the Massachusetts Contingency Plan

1 - 20093

A. The address of the disposal site related to this Notice and Release Tracking Number (provided above):

1. Street Address: 175 Falcon Drive
City/Town: Westfield Zip Code: 01085

B. This notice is being provided to the following party:

1. Name: Richard & Esther Brown
2. Street Address: 22 Indian Ridge Road
City/Town: Westfield Zip Code: 01085

C. This notice is being given to inform its recipient (the party listed in Section B):

- 1. That environmental sampling will be/has been conducted at property owned by the recipient of this notice.
- 2. Of the results of environmental sampling conducted at property owned by the recipient of this notice.
- 3. Check to indicate if the analytical results are attached. (If item 2. above is checked, the analytical results from the environmental sampling must be attached to this notice.)

D. Location of the property where the environmental sampling will be/has been conducted:

1. Street Address: 22 Indian Ridge Road
City/Town: Westfield Zip Code: 01085

2. MCP phase of work during which the sampling will be/has been conducted:

- | | |
|---|--|
| <input checked="" type="checkbox"/> Immediate Response Action | <input type="checkbox"/> Phase III Feasibility Evaluation |
| <input type="checkbox"/> Release Abatement Measure | <input type="checkbox"/> Phase IV Remedy Implementation Plan |
| <input type="checkbox"/> Utility-related Abatement Measure | <input type="checkbox"/> Phase V/Remedy Operation Status |
| <input type="checkbox"/> Phase I Initial Site Investigation | <input type="checkbox"/> Post-Temporary Solution Operation, Maintenance and Monitoring |
| <input type="checkbox"/> Phase II Comprehensive Site Assessment | <input type="checkbox"/> Other _____ |
- (specify)

3. Description of property where sampling will be/has been conducted:

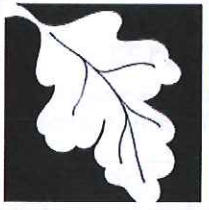
- residential commercial industrial school/playground Other _____
- (specify)

4. Description of the sampling locations and types (e.g., soil, groundwater, indoor air, soil gas) to the extent known at the time of this notice.

Drinking water samples were collected from the private well located on the above-referenced property and analyzed for PFAS compounds via EPA Method 537.1

E. Contact information related to the party providing this notice:

Contact Name: David Bachand
Street Address: 436 Dwight Street
City/Town: Springfield Zip Code: 01103
Telephone: (413) 755-2221 Email: david.bachand.jr@state.ma.us



Massachusetts Department of Environmental Protection
Bureau of Waste Site Cleanup

BWSC123

This Notice is Related to:
Release Tracking Number

NOTICE OF ENVIRONMENTAL SAMPLING

1 - 20093

As required by 310 CMR 40.1403(10) of the Massachusetts Contingency Plan

MASSACHUSETTS REGULATIONS THAT REQUIRE THIS NOTICE

This notice is being provided pursuant to the Massachusetts Contingency Plan and the notification requirement at 310 CMR 40.1403(10). The Massachusetts Contingency Plan is a state regulation that specifies requirements for parties who are taking actions to address releases of chemicals (oil or hazardous material) to the environment.

THE PERSON(S) PROVIDING THIS NOTICE

This notice has been sent to you by the party who is addressing a release of oil or hazardous material to the environment at the location listed in **Section A** on the reverse side of this form. (The regulations refer to the area where the oil or hazardous material is present as the "disposal site".)

PURPOSE OF THIS NOTICE

When environmental samples are taken as part of an investigation of a release for which a notification to MassDEP has been made under the Massachusetts Contingency Plan (310 CMR 40.0300) on behalf of someone other than the owner of the property, the regulations require that the property owner (listed in **Section B** on the reverse side of this form) be given notice of the environmental sampling. The regulations also require that the property owner subsequently receive the analytical results following the analysis of the environmental samples.

Section C on the reverse side of this form indicates the circumstance under which you are receiving this notice at this time. If you are receiving this notice to inform you of the analytical results following the analysis of the environmental samples, you should also have received, as an attachment, a copy of analytical results. These results should indicate the number and type(s) of samples (e.g., soil, groundwater) analyzed, any chemicals identified, and the measured concentrations of those chemicals.

Section D on the reverse side of this form identifies the property where the environmental sampling will be/has been conducted, provides a description of the sampling locations within the property, and indicates the phase of work under the Massachusetts Contingency Plan regulatory process during which the samples will be/were collected.

FOR MORE INFORMATION

Information about the general process for addressing releases of oil or hazardous material under the Massachusetts Contingency Plan and related public involvement opportunities may be found at <http://www.mass.gov/eea/agencies/massdep/cleanup>. For more information regarding this notice, you may contact the party listed in **Section E** on the reverse side of this form. Information about the disposal site identified in Section A is also available in files at the Massachusetts Department of Environmental Protection. See <http://public.dep.state.ma.us/SearchableSites2/Search.aspx> to view site-specific files on-line or <http://mass.gov/eea/agencies/massdep/about/contacts/conduct-a-file-review.html> if you would like to make an appointment to see these files in person. Please reference the **Release Tracking Number** listed in the upper right hand corner on the reverse side of this form when making file review appointments.



39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

September 6, 2017

Rob Smith
ATC Group Services LLC - West Springfield
73 Williams Franks Drive
West Springfield, MA 01089

Project Location: 22 Indian Ridge Rd., Westfield, MA
Client Job Number:
Project Number: 183EM00170
Laboratory Work Order Number: 17H1447

Enclosed are results of analyses for samples received by the laboratory on August 25, 2017. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

A handwritten signature in black ink that reads "Kerry K. McGee". The signature is written in a cursive, flowing style.

Kerry K. McGee
Project Manager

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

ATC Group Services LLC - West Springfield
 73 Williams Franks Drive
 West Springfield, MA 01089
 ATTN: Rob Smith

REPORT DATE: 9/6/2017

PURCHASE ORDER NUMBER:

PROJECT NUMBER: 183EM00170

ANALYTICAL SUMMARY

WORK ORDER NUMBER: 17H1447

The results of analyses performed on the following samples submitted to the CON-TEST Analytical Laboratory are found in this report.

PROJECT LOCATION: 22 Indian Ridge Rd., Westfield, MA

FIELD SAMPLE #	LAB ID:	MATRIX	SAMPLE DESCRIPTION	TEST	SUB LAB
22 Indian Ridge Rd - 1	17H1447-01	Drinking Water		SOP 434-PFAAS	

CASE NARRATIVE SUMMARY

All reported results are within defined laboratory quality control objectives unless listed below or otherwise qualified in this report.

The results of analyses reported only relate to samples submitted to the Con-Test Analytical Laboratory for testing.

I certify that the analyses listed above, unless specifically listed as subcontracted, if any, were performed under my direction according to the approved methodologies listed in this document, and that based upon my inquiry of those individuals immediately responsible for obtaining the information, the material contained in this report is, to the best of my knowledge and belief, accurate and complete.

A handwritten signature in black ink, appearing to read "Lisa Worthington", written in a cursive style.

Lisa A. Worthington
Project Manager



39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 22 Indian Ridge Rd., Westfield, M

Sample Description:

Work Order: 17H1447

Date Received: 8/25/2017

Field Sample #: 22 Indian Ridge Rd - 1

Sampled: 8/25/2017 11:27

Sample ID: 17H1447-01

Sample Matrix: Drinking Water

Miscellaneous Organic Analyses

Analyte	Results	MCL/SMCL		Units	Dilution	Flag/Qual	Method	Date	Date/Time	Analyst
		RL	MA ORSG					Prepared	Analyzed	
Perfluorobutanesulfonic acid (PFBS)	4.1	2.0		ng/L	1		SOP 434-PFAAS	8/29/17	9/6/17 14:33	BLM
Perfluorohexanoic acid (PFHxA)	3.5	2.0		ng/L	1		SOP 434-PFAAS	8/29/17	9/6/17 14:33	BLM
Perfluoroheptanoic acid (PFHpA)	ND	2.0		ng/L	1		SOP 434-PFAAS	8/29/17	9/6/17 14:33	BLM
Perfluorohexanesulfonic acid (PFHxS)	ND	2.0		ng/L	1		SOP 434-PFAAS	8/29/17	9/6/17 14:33	BLM
Perfluorooctanoic acid (PFOA)	4.3	2.0		ng/L	1		SOP 434-PFAAS	8/29/17	9/6/17 14:33	BLM
Perfluorooctanesulfonic acid (PFOS)	4.1	2.0		ng/L	1		SOP 434-PFAAS	8/29/17	9/6/17 14:33	BLM
Perfluorononanoic acid (PFNA)	ND	2.0		ng/L	1		SOP 434-PFAAS	8/29/17	9/6/17 14:33	BLM
Perfluorodecanoic acid (PFDA)	ND	2.0		ng/L	1		SOP 434-PFAAS	8/29/17	9/6/17 14:33	BLM
NMeFOSAA	ND	2.0		ng/L	1		SOP 434-PFAAS	8/29/17	9/6/17 14:33	BLM
Perfluoroundecanoic acid (PFUnA)	ND	2.0		ng/L	1		SOP 434-PFAAS	8/29/17	9/6/17 14:33	BLM
NEtFOSAA	ND	2.0		ng/L	1		SOP 434-PFAAS	8/29/17	9/6/17 14:33	BLM
Perfluorododecanoic acid (PFDoA)	ND	2.0		ng/L	1		SOP 434-PFAAS	8/29/17	9/6/17 14:33	BLM
Perfluorotridecanoic acid (PFTriDA)	ND	2.0		ng/L	1		SOP 434-PFAAS	8/29/17	9/6/17 14:33	BLM
Perfluorotetradecanoic acid (PFTTA)	ND	2.0		ng/L	1		SOP 434-PFAAS	8/29/17	9/6/17 14:33	BLM
Surrogates		% Recovery		Recovery Limits		Flag/Qual				
13C-PFHxA		89.7		70-130				9/6/17 14:33		
13C-PFDA		94.6		70-130				9/6/17 14:33		
d5-NEtFOSAA		71.0		70-130				9/6/17 14:33		



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Sample Extraction Data

Prep Method: EPA 537-SOP 434-PFAAS

Lab Number [Field ID]	Batch	Initial [mL]	Final [mL]	Date
17H1447-01 [22 Indian Ridge Rd - 1]	B185125	250	1.00	08/29/17



39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

QUALITY CONTROL

Miscellaneous Organic Analyses - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B185125 - EPA 537										
Blank (B185125-BLK1)										
Prepared: 08/29/17 Analyzed: 08/31/17										
Perfluorobutanesulfonic acid (PFBS)	ND	2.0	ng/L							
Perfluorohexanoic acid (PFHxA)	ND	2.0	ng/L							
Perfluoroheptanoic acid (PFHpA)	ND	2.0	ng/L							
Perfluorohexanesulfonic acid (PFHxS)	ND	2.0	ng/L							
Perfluorooctanoic acid (PFOA)	ND	2.0	ng/L							
Perfluorooctanesulfonic acid (PFOS)	ND	2.0	ng/L							
Perfluorononanoic acid (PFNA)	ND	2.0	ng/L							
Perfluorodecanoic acid (PFDA)	ND	2.0	ng/L							
NMeFOSAA	ND	2.0	ng/L							
Perfluoroundecanoic acid (PFUnA)	ND	2.0	ng/L							
NEtFOSAA	ND	2.0	ng/L							
Perfluorododecanoic acid (PFDoA)	ND	2.0	ng/L							
Perfluorotridecanoic acid (PFTrDA)	ND	2.0	ng/L							
Perfluorotetradecanoic acid (PFTA)	ND	2.0	ng/L							
Surrogate: 13C-PFHxA	38.3		ng/L	40.0		95.8	70-130			
Surrogate: 13C-PFDA	36.6		ng/L	40.0		91.5	70-130			
Surrogate: d5-NEtFOSAA	117		ng/L	160		73.4	70-130			
LCS (B185125-BS1)										
Prepared: 08/29/17 Analyzed: 08/31/17										
Perfluorobutanesulfonic acid (PFBS)	1.63	2.0	ng/L	1.77		92.2	70-130			
Perfluorohexanoic acid (PFHxA)	2.31	2.0	ng/L	2.00		115	70-130			
Perfluoroheptanoic acid (PFHpA)	1.96	2.0	ng/L	2.00		97.9	70-130			
Perfluorohexanesulfonic acid (PFHxS)	1.91	2.0	ng/L	1.82		105	70-130			
Perfluorooctanoic acid (PFOA)	2.29	2.0	ng/L	2.00		114	70-130			
Perfluorooctanesulfonic acid (PFOS)	1.69	2.0	ng/L	1.85		91.2	70-130			
Perfluorononanoic acid (PFNA)	1.94	2.0	ng/L	2.00		97.0	70-130			
Perfluorodecanoic acid (PFDA)	1.80	2.0	ng/L	2.00		90.2	70-130			
NMeFOSAA	2.06	2.0	ng/L	2.00		103	70-130			
Perfluoroundecanoic acid (PFUnA)	1.78	2.0	ng/L	2.00		89.2	70-130			
NEtFOSAA	2.13	2.0	ng/L	2.00		107	70-130			
Perfluorododecanoic acid (PFDoA)	1.67	2.0	ng/L	2.00		83.4	70-130			
Perfluorotridecanoic acid (PFTrDA)	1.52	2.0	ng/L	2.00		76.1	70-130			
Perfluorotetradecanoic acid (PFTA)	1.51	2.0	ng/L	2.00		75.3	70-130			
Surrogate: 13C-PFHxA	39.1		ng/L	40.0		97.9	70-130			
Surrogate: 13C-PFDA	41.3		ng/L	40.0		103	70-130			
Surrogate: d5-NEtFOSAA	136		ng/L	160		84.7	70-130			

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

FLAG/QUALIFIER SUMMARY

*	QC result is outside of established limits.
†	Wide recovery limits established for difficult compound.
‡	Wide RPD limits established for difficult compound.
#	Data exceeded client recommended or regulatory level
ND	Not Detected
RL	Reporting Limit
DL	Method Detection Limit
MCL	Maximum Contaminant Level

Percent recoveries and relative percent differences (RPDs) are determined by the software using values in the calculation which have not been rounded.

No results have been blank subtracted unless specified in the case narrative section.



39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

CERTIFICATIONS

Certified Analyses included in this Report

Analyte	Certifications
---------	----------------

No certified Analyses included in this Report

The CON-TEST Environmental Laboratory operates under the following certifications and accreditations:

Code	Description	Number	Expires
AIHA	AIHA-LAP, LLC - ISO17025:2005	I00033	02/1/2018
MA	Massachusetts DEP	M-MA100	06/30/2018
CT	Connecticut Department of Public Health	PH-0567	09/30/2017
NY	New York State Department of Health	10899 NELAP	04/1/2018
NH-S	New Hampshire Environmental Lab	2516 NELAP	02/5/2018
RI	Rhode Island Department of Health	LAO00112	12/30/2017
NC	North Carolina Div. of Water Quality	652	12/31/2017
NJ	New Jersey DEP	MA007 NELAP	06/30/2018
FL	Florida Department of Health	E871027 NELAP	06/30/2018
VT	Vermont Department of Health Lead Laboratory	LL015036	07/30/2018
ME	State of Maine	2011028	06/9/2019
VA	Commonwealth of Virginia	460217	12/14/2017
NH-P	New Hampshire Environmental Lab	2557 NELAP	09/6/2017
VT-DW	Vermont Department of Health Drinking Water	VT-255716	06/12/2018
NC-DW	North Carolina Department of Health	25703	07/31/2018

39 Spruce St.
 East Longmeadow, MA. 01028
 P: 413-525-2332
 F: 413-525-6405
 www.contestlabs.com



Doc# 277 Rev 5-2017

Login Sample Receipt Checklist - (Rejection Criteria Listing - Using Acceptance Policy) Any False Statement will be brought to the attention of the Client - State True or False

Client ATC
 Received By JM Date 8/25/17 Time 1815
 How were the samples received? In Cooler T No Cooler _____ On Ice T No Ice _____
 Direct from Sampling _____ Ambient _____ Melted Ice _____
 Were samples within Temperature? 2-6°C T By Gun # 1 Actual Temp - 3.4
 By Blank # _____ Actual Temp - _____
 Was Custody Seal Intact? N/A Were Samples Tampered with? N/A
 Was COC Relinquished? T Does Chain Agree With Samples? T
 Are there broken/leaking/loose caps on any samples? F
 Is COC in ink/ Legible? T Were samples received within holding time? T
 Did COC include all pertinent Information? Client T Analysis T Sampler Name T
 Project T ID's T Collection Dates/Times T
 Are Sample labels filled out and legible? T
 Are there Lab to Filters? N/A Who was notified? _____
 Are there Rushes? N/A Who was notified? _____
 Are there Short Holds? N/A Who was notified? _____
 Is there enough Volume? T
 Is there Headspace where applicable? T MS/MSD? N/A
 Proper Media/Containers Used? T Is splitting samples required? N/A
 Were trip blanks received? N/A On COC? _____
 Do all samples have the proper pH? Acid T Base _____

Vials	#	Containers	#	#	#
Unp-		1 Liter Amb.		1 Liter Plastic	16 oz Amb.
HCL-	<u>2</u>	500 mL Amb.		500 mL Plastic	8oz Amb/Clear
Meoh-		250 mL Amb.		250 mL Plastic	4oz Amb/Clear
Bisulfate-		Col./Bacteria		Flashpoint	2oz Amb/Clear
DI-		Other Plastic		Other Glass	Encore
Thiosulfate-		SOC Kit		Plastic Bag	Frozen:
Sulfuric-		Perchlorate		Ziplock	

Unused Media

Vials	#	Containers	#	#	#
Unp-		1 Liter Amb.		1 Liter Plastic	16 oz Amb.
HCL-		500 mL Amb.		500 mL Plastic	8oz Amb/Clear
Meoh-		250 mL Amb.		250 mL Plastic	4oz Amb/Clear
Bisulfate-		Col./Bacteria		Flashpoint	2oz Amb/Clear
DI-		Other Plastic		Other Glass	Encore
Thiosulfate-		SOC Kit		Plastic Bag	Frozen:
Sulfuric-		Perchlorate		Ziplock	

Comments:



Commonwealth of Massachusetts
Executive Office of Energy & Environmental Affairs

Department of Environmental Protection

Western Regional Office • 436 Dwight Street, Springfield MA 01103 • 413-784-1100

Charles D. Baker
Governor

Karyn E. Polito
Lieutenant Governor

Matthew A. Beaton
Secretary

Martin Suuberg
Commissioner

September 13, 2017

Mr. Nathan Taylor
260 Buck Pond Road
Westfield, MA 01085

RE: Notice of Environmental Sampling
260 Buck Pond Road
Westfield Private Well Sampling

Dear Mr. Taylor:

The Department of Environmental Protection (DEP) collected a drinking water sample from your private well on August 25, 2017. The purpose of the sampling was to investigate whether your well has been affected by a release of perfluorinated compounds (PFCs) to local groundwater. The sample was sent to a certified laboratory and analyzed for PFC compounds by modified United States Protection Agency (EPA) Method 317.1. EPA has established a Lifetime Health Advisory level at 70 parts per trillion (ppt), for two specific compounds which have been the most extensively used and studied, PFOA (perfluorooctanoic acid) and PFOS (perfluorooctane sulfonic acid). If both PFOA and PFOS are identified in drinking water the combined concentrations are compared to the 70 ppt health advisory level. The Health Advisory offers a margin of protection from a lifetime of exposure to PFOA and PFOS for all individuals from adverse health effects resulting from exposure from PFOA and PFOS in drinking water. ¹

The sampling result indicated a total PFOA and PFOS concentration of 3 ppt in the drinking water sample. The results of a duplicate sample confirmed these results. This concentration is well below the health advisory level of 70 ppt. Based on the low concentrations of PFC compounds detected in the sample collected from your well, no further action, including additional sampling and/or mitigation measures (i.e. bottled water) are required at this time. However, additional sampling may be required in the future. The Department thanks you for granting access to your property.

This information is available in alternate format. Contact Michelle Waters-Ekanem, Director of Diversity/Civil Rights at 617-292-5751.

TTY# MassRelay Service 1-800-439-2370
MassDEP Website: www.mass.gov/dep

Printed on Recycled Paper

If you have any questions pertaining to this Notice of Environmental Sampling or with the information contained within, please feel free to contact David Bachand at (413) 755-2221 or Cynthia Pawloski at (413) 755-2247.

Sincerely,



Eva Tor
Deputy Regional Director
Bureau of Waste Site Cleanup

¹ Fact Sheet PFOA & PFOS Drinking Water Health Advisories. EPA, EPA 800 F-16-003, June 2016

Attachments: Notice of Environmental Sampling (BWSC-123)
Laboratory Report

cc : Mayor, City of Westfield
Barnes ANG-John Richardson
Barnes Aquifer Protection Committee
Westfield DPW – David Billips
Westfield Health Department
Westfield Councilor Mary Ann Babinski
Dr. Marc A. Nascarella, Ph.D/DPH

cc:

Denise Andler, DEP WERO
Data Entry: FOLOFF, FOLFLD



Massachusetts Department of Environmental Protection
Bureau of Waste Site Cleanup

BWSC123

This Notice is Related to:
Release Tracking Number

NOTICE OF ENVIRONMENTAL SAMPLING

As required by 310 CMR 40.1403(10) of the Massachusetts Contingency Plan

1 - 20093

A. The address of the disposal site related to this Notice and Release Tracking Number (provided above):

1. Street Address: 175 Falcon Drive
City/Town: Westfield Zip Code: 01085

B. This notice is being provided to the following party:

1. Name: Nathan Taylor
2. Street Address: 260 Buck Pond Road
City/Town: Westfield Zip Code: 01085

C. This notice is being given to inform its recipient (the party listed in Section B):

- 1. That environmental sampling will be/has been conducted at property owned by the recipient of this notice.
- 2. Of the results of environmental sampling conducted at property owned by the recipient of this notice.
- 3. Check to indicate if the analytical results are attached. (If item 2. above is checked, the analytical results from the environmental sampling must be attached to this notice.)

D. Location of the property where the environmental sampling will be/has been conducted:

1. Street Address: 260 Buck Pond Road
City/Town: Westfield Zip Code: 01085

2. MCP phase of work during which the sampling will be/has been conducted:

- | | |
|---|--|
| <input checked="" type="checkbox"/> Immediate Response Action | <input type="checkbox"/> Phase III Feasibility Evaluation |
| <input type="checkbox"/> Release Abatement Measure | <input type="checkbox"/> Phase IV Remedy Implementation Plan |
| <input type="checkbox"/> Utility-related Abatement Measure | <input type="checkbox"/> Phase V/Remedy Operation Status |
| <input type="checkbox"/> Phase I Initial Site Investigation | <input type="checkbox"/> Post-Temporary Solution Operation, Maintenance and Monitoring |
| <input type="checkbox"/> Phase II Comprehensive Site Assessment | <input type="checkbox"/> Other _____ |
- (specify)

3. Description of property where sampling will be/has been conducted:

- residential commercial industrial school/playground Other _____
- (specify)

4. Description of the sampling locations and types (e.g., soil, groundwater, indoor air, soil gas) to the extent known at the time of this notice.

Drinking water samples were collected from the private well located on the above-referenced property and analyzed for PFAS compounds via EPA Method 537.1

E. Contact information related to the party providing this notice:

Contact Name: David Bachand
Street Address: 436 Dwight Street
City/Town: Springfield Zip Code: 01103
Telephone: (413) 755-2221 Email: david.bachand.jr@state.ma.us



Massachusetts Department of Environmental Protection
Bureau of Waste Site Cleanup

BWSC123

This Notice is Related to:
Release Tracking Number

NOTICE OF ENVIRONMENTAL SAMPLING

1 - 20093

As required by 310 CMR 40.1403(10) of the Massachusetts Contingency Plan

MASSACHUSETTS REGULATIONS THAT REQUIRE THIS NOTICE

This notice is being provided pursuant to the Massachusetts Contingency Plan and the notification requirement at 310 CMR 40.1403(10). The Massachusetts Contingency Plan is a state regulation that specifies requirements for parties who are taking actions to address releases of chemicals (oil or hazardous material) to the environment.

THE PERSON(S) PROVIDING THIS NOTICE

This notice has been sent to you by the party who is addressing a release of oil or hazardous material to the environment at the location listed in **Section A** on the reverse side of this form. (The regulations refer to the area where the oil or hazardous material is present as the "disposal site".)

PURPOSE OF THIS NOTICE

When environmental samples are taken as part of an investigation of a release for which a notification to MassDEP has been made under the Massachusetts Contingency Plan (310 CMR 40.0300) on behalf of someone other than the owner of the property, the regulations require that the property owner (listed in **Section B** on the reverse side of this form) be given notice of the environmental sampling. The regulations also require that the property owner subsequently receive the analytical results following the analysis of the environmental samples.

Section C on the reverse side of this form indicates the circumstance under which you are receiving this notice at this time. If you are receiving this notice to inform you of the analytical results following the analysis of the environmental samples, you should also have received, as an attachment, a copy of analytical results. These results should indicate the number and type(s) of samples (e.g., soil, groundwater) analyzed, any chemicals identified, and the measured concentrations of those chemicals.

Section D on the reverse side of this form identifies the property where the environmental sampling will be/has been conducted, provides a description of the sampling locations within the property, and indicates the phase of work under the Massachusetts Contingency Plan regulatory process during which the samples will be/were collected.

FOR MORE INFORMATION

Information about the general process for addressing releases of oil or hazardous material under the Massachusetts Contingency Plan and related public involvement opportunities may be found at <http://www.mass.gov/eea/agencies/massdep/cleanup>. For more information regarding this notice, you may contact the party listed in **Section E** on the reverse side of this form. Information about the disposal site identified in Section A is also available in files at the Massachusetts Department of Environmental Protection. See <http://public.dep.state.ma.us/SearchableSites2/Search.aspx> to view site-specific files on-line or <http://mass.gov/eea/agencies/massdep/about/contacts/conduct-a-file-review.html> if you would like to make an appointment to see these files in person. Please reference the **Release Tracking Number** listed in the upper right hand corner on the reverse side of this form when making file review appointments.



39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

September 7, 2017

Rob Smith
ATC Group Services LLC - West Springfield
73 Williams Franks Drive
West Springfield, MA 01089

Project Location: 260 Buck Pond Rd., Westfield, MA
Client Job Number:
Project Number: 183EM00170
Laboratory Work Order Number: 17H1454

Enclosed are results of analyses for samples received by the laboratory on August 25, 2017. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

A handwritten signature in black ink that reads "Kerry K. McGee". The signature is written in a cursive, flowing style.

Kerry K. McGee
Project Manager

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

ATC Group Services LLC - West Springfield
 73 Williams Franks Drive
 West Springfield, MA 01089
 ATTN: Rob Smith

REPORT DATE: 9/7/2017

PURCHASE ORDER NUMBER:

PROJECT NUMBER: 183EM00170

ANALYTICAL SUMMARY

WORK ORDER NUMBER: 17H1454

The results of analyses performed on the following samples submitted to the CON-TEST Analytical Laboratory are found in this report.

PROJECT LOCATION: 260 Buck Pond Rd., Westfield, MA

FIELD SAMPLE #	LAB ID:	MATRIX	SAMPLE DESCRIPTION	TEST	SUB LAB
260 Buck Pond Rd - field blank	17H1454-01	Drinking Water		SOP 434-PFAAS	
260 Buck Pond Rd - 2	17H1454-02	Drinking Water		SOP 434-PFAAS	

CASE NARRATIVE SUMMARY

All reported results are within defined laboratory quality control objectives unless listed below or otherwise qualified in this report.

The results of analyses reported only relate to samples submitted to the Con-Test Analytical Laboratory for testing. I certify that the analyses listed above, unless specifically listed as subcontracted, if any, were performed under my direction according to the approved methodologies listed in this document, and that based upon my inquiry of those individuals immediately responsible for obtaining the information, the material contained in this report is, to the best of my knowledge and belief, accurate and complete.



Lisa A. Worthington
Project Manager



39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 260 Buck Pond Rd., Westfield, M

Sample Description:

Work Order: 17H1454

Date Received: 8/25/2017

Field Sample #: 260 Buck Pond Rd - field blank

Sampled: 8/25/2017 16:55

Sample ID: 17H1454-01

Sample Matrix: Drinking Water

Miscellaneous Organic Analyses

Analyte	Results	MCL/SMCL		Units	Dilution	Flag/Qual	Method	Date	Date/Time	Analyst
		RL	MA ORSG					Prepared	Analyzed	
Perfluorobutanesulfonic acid (PFBS)	ND	2.0		ng/L	1		SOP 434-PFAAS	8/29/17	8/31/17 20:41	BLM
Perfluorohexanoic acid (PFHxA)	ND	2.0		ng/L	1		SOP 434-PFAAS	8/29/17	8/31/17 20:41	BLM
Perfluoroheptanoic acid (PFHpA)	ND	2.0		ng/L	1		SOP 434-PFAAS	8/29/17	8/31/17 20:41	BLM
Perfluorohexanesulfonic acid (PFHxS)	ND	2.0		ng/L	1		SOP 434-PFAAS	8/29/17	8/31/17 20:41	BLM
Perfluorooctanoic acid (PFOA)	ND	2.0		ng/L	1		SOP 434-PFAAS	8/29/17	8/31/17 20:41	BLM
Perfluorooctanesulfonic acid (PFOS)	ND	2.0		ng/L	1		SOP 434-PFAAS	8/29/17	8/31/17 20:41	BLM
Perfluorononanoic acid (PFNA)	ND	2.0		ng/L	1		SOP 434-PFAAS	8/29/17	8/31/17 20:41	BLM
Perfluorodecanoic acid (PFDA)	ND	2.0		ng/L	1		SOP 434-PFAAS	8/29/17	8/31/17 20:41	BLM
NMeFOSAA	ND	2.0		ng/L	1		SOP 434-PFAAS	8/29/17	8/31/17 20:41	BLM
Perfluoroundecanoic acid (PFUnA)	ND	2.0		ng/L	1		SOP 434-PFAAS	8/29/17	8/31/17 20:41	BLM
NEtFOSAA	ND	2.0		ng/L	1		SOP 434-PFAAS	8/29/17	8/31/17 20:41	BLM
Perfluorododecanoic acid (PFDoA)	ND	2.0		ng/L	1		SOP 434-PFAAS	8/29/17	8/31/17 20:41	BLM
Perfluorotridecanoic acid (PFTrDA)	ND	2.0		ng/L	1		SOP 434-PFAAS	8/29/17	8/31/17 20:41	BLM
Perfluorotetradecanoic acid (PFTA)	ND	2.0		ng/L	1		SOP 434-PFAAS	8/29/17	8/31/17 20:41	BLM
Surrogates		% Recovery		Recovery Limits		Flag/Qual				
I3C-PFHxA		87.6		70-130					8/31/17 20:41	
I3C-PFDA		103		70-130					8/31/17 20:41	
d5-NEtFOSAA		88.3		70-130					8/31/17 20:41	

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 260 Buck Pond Rd., Westfield, M

Sample Description:

Work Order: 17H1454

Date Received: 8/25/2017

Field Sample #: 260 Buck Pond Rd - 2

Sampled: 8/25/2017 17:08

Sample ID: 17H1454-02

Sample Matrix: Drinking Water

Miscellaneous Organic Analyses

Analyte	Results	MCL/SMCL		Units	Dilution	Flag/Qual	Method	Date	Date/Time	Analyst
		RL	MA ORSG					Prepared	Analyzed	
Perfluorobutanesulfonic acid (PFBS)	2.9	2.0		ng/L	1		SOP 434-PFAAS	8/29/17	8/31/17 21:36	BLM
Perfluorohexanoic acid (PFHxA)	ND	2.0		ng/L	1		SOP 434-PFAAS	8/29/17	8/31/17 21:36	BLM
Perfluoroheptanoic acid (PFHpA)	ND	2.0		ng/L	1		SOP 434-PFAAS	8/29/17	8/31/17 21:36	BLM
Perfluorohexanesulfonic acid (PFHxS)	3.0	2.0		ng/L	1		SOP 434-PFAAS	8/29/17	8/31/17 21:36	BLM
Perfluorooctanoic acid (PFOA)	3.0	2.0		ng/L	1		SOP 434-PFAAS	8/29/17	8/31/17 21:36	BLM
Perfluorooctanesulfonic acid (PFOS)	ND	2.0		ng/L	1		SOP 434-PFAAS	8/29/17	8/31/17 21:36	BLM
Perfluorononanoic acid (PFNA)	ND	2.0		ng/L	1		SOP 434-PFAAS	8/29/17	8/31/17 21:36	BLM
Perfluorodecanoic acid (PFDA)	ND	2.0		ng/L	1		SOP 434-PFAAS	8/29/17	8/31/17 21:36	BLM
NMeFOSAA	ND	2.0		ng/L	1		SOP 434-PFAAS	8/29/17	8/31/17 21:36	BLM
Perfluoroundecanoic acid (PFUnA)	ND	2.0		ng/L	1		SOP 434-PFAAS	8/29/17	8/31/17 21:36	BLM
NEtFOSAA	ND	2.0		ng/L	1		SOP 434-PFAAS	8/29/17	8/31/17 21:36	BLM
Perfluorododecanoic acid (PFDoA)	ND	2.0		ng/L	1		SOP 434-PFAAS	8/29/17	8/31/17 21:36	BLM
Perfluorotridecanoic acid (PFTriDA)	ND	2.0		ng/L	1		SOP 434-PFAAS	8/29/17	8/31/17 21:36	BLM
Perfluorotetradecanoic acid (PFTA)	ND	2.0		ng/L	1		SOP 434-PFAAS	8/29/17	8/31/17 21:36	BLM
Surrogates		% Recovery		Recovery Limits		Flag/Qual				
13C-PFHxA		88.5		70-130					8/31/17 21:36	
13C-PFDA		106		70-130					8/31/17 21:36	
d5-NEtFOSAA		79.0		70-130					8/31/17 21:36	



39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Sample Extraction Data

Prep Method: EPA 537-SOP 434-PFAAS

Lab Number [Field ID]	Batch	Initial [mL]	Final [mL]	Date
17H1454-01 [260 Buck Pond Rd - field blank]	B185125	250	1.00	08/29/17
17H1454-02 [260 Buck Pond Rd - 2]	B185125	250	1.00	08/29/17

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

QUALITY CONTROL

Miscellaneous Organic Analyses - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B185125 - EPA 537										
Blank (B185125-BLK1)										
Prepared: 08/29/17 Analyzed: 08/31/17										
Perfluorobutanesulfonic acid (PFBS)	ND	2.0	ng/L							
Perfluorohexanoic acid (PFHxA)	ND	2.0	ng/L							
Perfluoroheptanoic acid (PFHpA)	ND	2.0	ng/L							
Perfluorohexanesulfonic acid (PFHxS)	ND	2.0	ng/L							
Perfluorooctanoic acid (PFOA)	ND	2.0	ng/L							
Perfluorooctanesulfonic acid (PFOS)	ND	2.0	ng/L							
Perfluorononanoic acid (PFNA)	ND	2.0	ng/L							
Perfluorodecanoic acid (PFDA)	ND	2.0	ng/L							
NMeFOSAA	ND	2.0	ng/L							
Perfluoroundecanoic acid (PFUnA)	ND	2.0	ng/L							
NEtFOSAA	ND	2.0	ng/L							
Perfluorododecanoic acid (PFDoA)	ND	2.0	ng/L							
Perfluorotridecanoic acid (PFTtDA)	ND	2.0	ng/L							
Perfluorotetradecanoic acid (PFTA)	ND	2.0	ng/L							
Surrogate: 13C-PFHxA	38.3		ng/L	40.0		95.8	70-130			
Surrogate: 13C-PFDA	36.6		ng/L	40.0		91.5	70-130			
Surrogate: d5-NEtFOSAA	117		ng/L	160		73.4	70-130			
LCS (B185125-BS1)										
Prepared: 08/29/17 Analyzed: 08/31/17										
Perfluorobutanesulfonic acid (PFBS)	1.63	2.0	ng/L	1.77		92.2	70-130			
Perfluorohexanoic acid (PFHxA)	2.31	2.0	ng/L	2.00		115	70-130			
Perfluoroheptanoic acid (PFHpA)	1.96	2.0	ng/L	2.00		97.9	70-130			
Perfluorohexanesulfonic acid (PFHxS)	1.91	2.0	ng/L	1.82		105	70-130			
Perfluorooctanoic acid (PFOA)	2.29	2.0	ng/L	2.00		114	70-130			
Perfluorooctanesulfonic acid (PFOS)	1.69	2.0	ng/L	1.85		91.2	70-130			
Perfluorononanoic acid (PFNA)	1.94	2.0	ng/L	2.00		97.0	70-130			
Perfluorodecanoic acid (PFDA)	1.80	2.0	ng/L	2.00		90.2	70-130			
NMeFOSAA	2.06	2.0	ng/L	2.00		103	70-130			
Perfluoroundecanoic acid (PFUnA)	1.78	2.0	ng/L	2.00		89.2	70-130			
NEtFOSAA	2.13	2.0	ng/L	2.00		107	70-130			
Perfluorododecanoic acid (PFDoA)	1.67	2.0	ng/L	2.00		83.4	70-130			
Perfluorotridecanoic acid (PFTtDA)	1.52	2.0	ng/L	2.00		76.1	70-130			
Perfluorotetradecanoic acid (PFTA)	1.51	2.0	ng/L	2.00		75.3	70-130			
Surrogate: 13C-PFHxA	39.1		ng/L	40.0		97.9	70-130			
Surrogate: 13C-PFDA	41.3		ng/L	40.0		103	70-130			
Surrogate: d5-NEtFOSAA	136		ng/L	160		84.7	70-130			



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FLAG/QUALIFIER SUMMARY

*	QC result is outside of established limits.
†	Wide recovery limits established for difficult compound.
‡	Wide RPD limits established for difficult compound.
#	Data exceeded client recommended or regulatory level
ND	Not Detected
RL	Reporting Limit
DL	Method Detection Limit
MCL	Maximum Contaminant Level

Percent recoveries and relative percent differences (RPDs) are determined by the software using values in the calculation which have not been rounded.

No results have been blank subtracted unless specified in the case narrative section.



39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

CERTIFICATIONS

Certified Analyses included in this Report

Analyte	Certifications
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No certified Analyses included in this Report

The CON-TEST Environmental Laboratory operates under the following certifications and accreditations:

Code	Description	Number	Expires
AIHA	AIHA-LAP, LLC - ISO17025:2005	100033	02/1/2018
MA	Massachusetts DEP	M-MA100	06/30/2018
CT	Connecticut Department of Public Health	PH-0567	09/30/2017
NY	New York State Department of Health	10899 NELAP	04/1/2018
NH-S	New Hampshire Environmental Lab	2516 NELAP	02/5/2018
RI	Rhode Island Department of Health	LAO00112	12/30/2017
NC	North Carolina Div. of Water Quality	652	12/31/2017
NJ	New Jersey DEP	MA007 NELAP	06/30/2018
FL	Florida Department of Health	E871027 NELAP	06/30/2018
VT	Vermont Department of Health Lead Laboratory	LL015036	07/30/2018
ME	State of Maine	2011028	06/9/2019
VA	Commonwealth of Virginia	460217	12/14/2017
NH-P	New Hampshire Environmental Lab	2557 NELAP	09/6/2017
VT-DW	Vermont Department of Health Drinking Water	VT-255716	06/12/2018
NC-DW	North Carolina Department of Health	25703	07/31/2018

17H1454



Company Name: ATC Group Services
Address: 73 William Franks Drive, West Springfield, MA
Phone: (413) 781-0070
Project Name: 260 Buck Pond Rd, Westfield
Project Location: 260 Buck Pond Rd, Westfield
Project Number: 183EM00170
Project Manager: Rob Smith
Con-Test Quote Name/Number:
Invoice Recipient:
Sampled By: Elizabeth O'Connor

Con-Test Work Order #	Client Sample ID / Description	Best Inhib Date/Time	Analysis Date/Time	Matrix Code	Conc Code	Requested Turnaround Time	Due Date	5	1	2	# of Containers
1	260 Buck Pond Rd - field blank	8/25/2017	16:55	DW	U	10-Day	5-day TAT	X			
2	260 Buck Pond Rd - 1	8/25/2017	17:07	DW	U	3-day	Rush-Approval Required	X			
	260 Buck Pond Rd - 2	8/25/2017	17:08	DW	U	4-day	Data Delivery	X			

Comments:
 RUN EPA Method 537: 260 Buck Pond Rd-1
 EXTRACT & HOLD EPA Method 537: 260 Buck Pond Rd-field blank & 260 Buck Pond Rd-2
 HOLD As, Fe, Hardness, TOC

Requested Turnaround Time: 10-Day 5-day TAT
Due Date: 5-day TAT
1-Day: **3-day:**
2-Day: **4-Day:**
Format: PDF EXCEL
Other:
CLP Like Data Pkg Required:
Email To:
Fax To #:

Detection Limit Requirements: MA CT
Special Requirements: MA MCP Required CT MCP Required
 MA MCP Required CT RCP Required
 MA State DW Required

Project Entity: Government Municipality City
 Federal 21 J Brownfield
 WRTA MWRA School
 Other Chromatogram A/HA-LAP, LLC MBTA

Signature: Elizabeth O'Connor
Date/Time: 8/25/17 17:30
Signature: [Signature]
Date/Time: 8/25/17 17:30
Signature: [Signature]
Date/Time: 8/25/17 18:15
Signature: [Signature]
Date/Time: 8/25/17 18:15
Signature: [Signature]
Date/Time: []



39 Spruce St.
 East Longmeadow, MA. 01028
 P: 413-525-2332
 F: 413-525-6405
 www.contestlabs.com



Doc# 277 Rev 5 2017

Login Sample Receipt Checklist - (Rejection Criteria Listing - Using Acceptance Policy) Any False Statement will be brought to the attention of the Client - State True or False

Client ATC
 Received By Jm Date 8/25/17 Time 1815
 How were the samples received? In Cooler T No Cooler _____ On Ice T No Ice _____
 Direct from Sampling _____ Ambient _____ Melted Ice _____
 Were samples within Temperature? 2-6°C T By Gun # 1 Actual Temp - 3.4
 By Blank # _____ Actual Temp - _____
 Was Custody Seal Intact? N/A Were Samples Tampered with? N/A
 Was COC Relinquished? T Does Chain Agree With Samples? T
 Are there broken/leaking/loose caps on any samples? F
 Is COC in ink/ Legible? T Were samples received within holding time? T
 Did COC include all pertinent Information? Client T Analysis T Sampler Name T
 Project T ID's T Collection Dates/Times T
 Are Sample labels filled out and legible? T
 Are there Lab to Filters? N/A Who was notified? _____
 Are there Rushes? T Who was notified? N/A
 Are there Short Holds? N/A Who was notified? _____
 Is there enough Volume? T
 Is there Headspace where applicable? N/A MS/MSD? N/A
 Proper Media/Containers Used? T Is splitting samples required? N/A
 Were trip blanks received? N/A On COC? N/A
 Do all samples have the proper pH? N/A Acid _____ Base _____

Vials	#	Containers	#	#	#
Unp-		1 Liter Amb.		1 Liter Plastic	16 oz Amb.
HCL-		500 mL Amb.		500 mL Plastic	8oz Amb/Clear
Meoh-		250 mL Amb.		250 mL Plastic	4oz Amb/Clear
Bisulfate-		Col./Bacteria		Flashpoint	2oz Amb/Clear
DI-		Other Plastic		Other Glass	Encore
Thiosulfate-		SOC Kit		Plastic Bag	Frozen:
Sulfuric-		Perchlorate		Ziplock	

Unused Media

Vials	#	Containers	#	#	#
Unp-		1 Liter Amb.		1 Liter Plastic	16 oz Amb.
HCL-		500 mL Amb.		500 mL Plastic	8oz Amb/Clear
Meoh-		250 mL Amb.		250 mL Plastic	4oz Amb/Clear
Bisulfate-		Col./Bacteria		Flashpoint	2oz Amb/Clear
DI-		Other Plastic		Other Glass	Encore
Thiosulfate-		SOC Kit		Plastic Bag	Frozen:
Sulfuric-		Perchlorate		Ziplock	

Comments:



Commonwealth of Massachusetts
Executive Office of Energy & Environmental Affairs

Department of Environmental Protection

Western Regional Office • 436 Dwight Street, Springfield MA 01103 • 413-784-1100

Charles D. Baker
Governor

Karyn E. Polito
Lieutenant Governor

Matthew A. Beaton
Secretary

Martin Suuberg
Commissioner

September 13, 2017

David & Karen Lewis
27 Indian Ridge Road
Westfield, MA 01085

RE: Notice of Environmental Sampling
27 Indian Ridge Road
Westfield Private Well Sampling

Dear Carlos and Anabela Ferreira:

The Department of Environmental Protection (DEP) collected a second drinking water sample from your private well on August 25, 2017. The purpose of the sampling was to investigate whether your well has been affected by a release of perfluorinated compounds (PFCs) to local groundwater. The sample was sent to a certified laboratory and analyzed for PFC compounds by modified United States Protection Agency (EPA) Method 317.1. EPA has established a Lifetime Health Advisory level at 70 parts per trillion (ppt), for two specific compounds which have been the most extensively used and studied, PFOA (perfluorooctanoic acid) and PFOS (perfluorooctane sulfonic acid). If both PFOA and PFOS are identified in drinking water the combined concentrations are compared to the 70 ppt health advisory level. The Health Advisory offers a margin of protection from a lifetime of exposure to PFOA and PFOS for all individuals from adverse health effects resulting from exposure from PFOA and PFOS in drinking water.¹

The sampling result indicated a total PFOA and PFOS concentration of 6.5 ppt in the drinking water sample. This concentration is well below the health advisory level of 70 ppt and consistent with the May sampling results. Based on the low concentrations of PFC compounds detected in the samples collected from your well, no further action, including additional sampling and/or mitigation measures (i.e. bottled water) are required at this time. However, additional sampling may be required in the future. The Department thanks you for granting access to your property.

This information is available in alternate format. Contact Michelle Waters-Ekanem, Director of Diversity/Civil Rights at 617-292-5751.

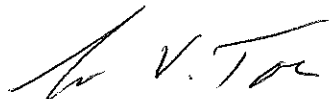
TTY# MassRelay Service 1-800-439-2370

MassDEP Website: www.mass.gov/dep

Printed on Recycled Paper

If you have any questions pertaining to this Notice of Environmental Sampling or with the information contained within, please feel free to contact David Bachand at (413) 755-2221 or Cynthia Pawloski at (413) 755-2247.

Sincerely,



Eva Tor
Deputy Regional Director
Bureau of Waste Site Cleanup

¹ Fact Sheet PFOA & PFOS Drinking Water Health Advisories. EPA, EPA 800 F-16-003, June 2016

Attachments: Notice of Environmental Sampling (BWSC-123)
Laboratory Report

cc : Mayor, City of Westfield
Barnes ANG-John Richardson
Barnes Aquifer Protection Committee
Westfield DPW – David Billips
Westfield Health Department
Westfield Councilor Mary Ann Babinski
Dr. Marc A. Nascarella, Ph.D/DPH

cc:

Denise Andler, DEP WERO
Data Entry: FOLOFF, FOLFLD



Massachusetts Department of Environmental Protection
Bureau of Waste Site Cleanup

BWSC123

This Notice is Related to:
Release Tracking Number

NOTICE OF ENVIRONMENTAL SAMPLING

As required by 310 CMR 40.1403(10) of the Massachusetts Contingency Plan

1 - 20093

A. The address of the disposal site related to this Notice and Release Tracking Number (provided above):

1. Street Address: 175 Falcon Drive
City/Town: Westfield Zip Code: 01085

B. This notice is being provided to the following party:

1. Name: David and Karen Lewis
2. Street Address: 27 Indian Ridge Road
City/Town: Westfield Zip Code: 01085

C. This notice is being given to inform its recipient (the party listed in Section B):

- 1. That environmental sampling will be/has been conducted at property owned by the recipient of this notice.
- 2. Of the results of environmental sampling conducted at property owned by the recipient of this notice.
- 3. Check to indicate if the analytical results are attached. (If item 2. above is checked, the analytical results from the environmental sampling must be attached to this notice.)

D. Location of the property where the environmental sampling will be/has been conducted:

1. Street Address: 27 Indian Ridge Road
City/Town: Westfield Zip Code: 01085

2. MCP phase of work during which the sampling will be/has been conducted:

- Immediate Response Action
- Release Abatement Measure
- Utility-related Abatement Measure
- Phase I Initial Site Investigation
- Phase II Comprehensive Site Assessment
- Phase III Feasibility Evaluation
- Phase IV Remedy Implementation Plan
- Phase V/Remedy Operation Status
- Post-Temporary Solution Operation, Maintenance and Monitoring
- Other _____ (specify)

3. Description of property where sampling will be/has been conducted:

- residential
- commercial
- industrial
- school/playground
- Other _____ (specify)

4. Description of the sampling locations and types (e.g., soil, groundwater, indoor air, soil gas) to the extent known at the time of this notice.

Drinking water samples were collected from the private well located on the above-referenced property and analyzed for PFAS compounds via EPA Method 537.1

E. Contact information related to the party providing this notice:

Contact Name: David Bachand
Street Address: 436 Dwight Street
City/Town: Springfield Zip Code: 01103
Telephone: (413) 755-2221 Email: david.bachand.jr@state.ma.us



Massachusetts Department of Environmental Protection
Bureau of Waste Site Cleanup

BWSC123

This Notice is Related to:
Release Tracking Number

NOTICE OF ENVIRONMENTAL SAMPLING

1 - 20093

As required by 310 CMR 40.1403(10) of the Massachusetts Contingency Plan

MASSACHUSETTS REGULATIONS THAT REQUIRE THIS NOTICE

This notice is being provided pursuant to the Massachusetts Contingency Plan and the notification requirement at 310 CMR 40.1403(10). The Massachusetts Contingency Plan is a state regulation that specifies requirements for parties who are taking actions to address releases of chemicals (oil or hazardous material) to the environment.

THE PERSON(S) PROVIDING THIS NOTICE

This notice has been sent to you by the party who is addressing a release of oil or hazardous material to the environment at the location listed in **Section A** on the reverse side of this form. (The regulations refer to the area where the oil or hazardous material is present as the "disposal site".)

PURPOSE OF THIS NOTICE

When environmental samples are taken as part of an investigation of a release for which a notification to MassDEP has been made under the Massachusetts Contingency Plan (310 CMR 40.0300) on behalf of someone other than the owner of the property, the regulations require that the property owner (listed in **Section B** on the reverse side of this form) be given notice of the environmental sampling. The regulations also require that the property owner subsequently receive the analytical results following the analysis of the environmental samples.

Section C on the reverse side of this form indicates the circumstance under which you are receiving this notice at this time. If you are receiving this notice to inform you of the analytical results following the analysis of the environmental samples, you should also have received, as an attachment, a copy of analytical results. These results should indicate the number and type(s) of samples (e.g., soil, groundwater) analyzed, any chemicals identified, and the measured concentrations of those chemicals.

Section D on the reverse side of this form identifies the property where the environmental sampling will be/has been conducted, provides a description of the sampling locations within the property, and indicates the phase of work under the Massachusetts Contingency Plan regulatory process during which the samples will be/were collected.

FOR MORE INFORMATION

Information about the general process for addressing releases of oil or hazardous material under the Massachusetts Contingency Plan and related public involvement opportunities may be found at <http://www.mass.gov/eea/agencies/massdep/cleanup>. For more information regarding this notice, you may contact the party listed in **Section E** on the reverse side of this form.

Information about the disposal site identified in Section A is also available in files at the Massachusetts Department of Environmental Protection. See <http://public.dep.state.ma.us/SearchableSites2/Search.aspx> to view site-specific files on-line or <http://mass.gov/eea/agencies/massdep/about/contacts/conduct-a-file-review.html> if you would like to make an appointment to see these files in person. Please reference the **Release Tracking Number** listed in the upper right hand corner on the reverse side of this form when making file review appointments.



39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

September 6, 2017

Rob Smith
ATC Group Services LLC - West Springfield
73 Williams Franks Drive
West Springfield, MA 01089

Project Location: 27 Indian Ridge Rd., Westfield, MA
Client Job Number:
Project Number: 183EM00170
Laboratory Work Order Number: 17H1449

Enclosed are results of analyses for samples received by the laboratory on August 25, 2017. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

A handwritten signature in black ink that reads "Kerry K. McGee". The signature is written in a cursive, flowing style.

Kerry K. McGee
Project Manager

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

ATC Group Services LLC - West Springfield
 73 Williams Franks Drive
 West Springfield, MA 01089
 ATTN: Rob Smith

REPORT DATE: 9/6/2017

PURCHASE ORDER NUMBER:

PROJECT NUMBER: 183EM00170

ANALYTICAL SUMMARY

WORK ORDER NUMBER: 17H1449

The results of analyses performed on the following samples submitted to the CON-TEST Analytical Laboratory are found in this report.

PROJECT LOCATION: 27 Indian Ridge Rd., Westfield, MA

FIELD SAMPLE #	LAB ID:	MATRIX	SAMPLE DESCRIPTION	TEST	SUB LAB
Trip Blank	17H1449-01	Trip Blank Water		SOP 434-PFAAS	
27 Indian Ridge Rd - 3	17H1449-02	Drinking Water		SOP 434-PFAAS	

CASE NARRATIVE SUMMARY

All reported results are within defined laboratory quality control objectives unless listed below or otherwise qualified in this report.

The results of analyses reported only relate to samples submitted to the Con-Test Analytical Laboratory for testing.

I certify that the analyses listed above, unless specifically listed as subcontracted, if any, were performed under my direction according to the approved methodologies listed in this document, and that based upon my inquiry of those individuals immediately responsible for obtaining the information, the material contained in this report is, to the best of my knowledge and belief, accurate and complete.

A handwritten signature in black ink, appearing to read "Lisa A. Worthington". The signature is fluid and cursive, written over a white background.

Lisa A. Worthington
Project Manager



39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 27 Indian Ridge Rd., Westfield, M

Sample Description:

Work Order: 17H1449

Date Received: 8/25/2017

Field Sample #: Trip Blank

Sampled: 8/25/2017 07:50

Sample ID: 17H1449-01

Sample Matrix: Trip Blank Water

Miscellaneous Organic Analyses

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date	Date/Time	Analyst
							Prepared	Analyzed	
Perfluorobutanesulfonic acid (PFBS)	ND	2.0	ng/L	1		SOP 434-PFAAS	8/29/17	9/6/17 15:29	BLM
Perfluorohexanoic acid (PFHxA)	ND	2.0	ng/L	1		SOP 434-PFAAS	8/29/17	9/6/17 15:29	BLM
Perfluoroheptanoic acid (PFHpA)	ND	2.0	ng/L	1		SOP 434-PFAAS	8/29/17	9/6/17 15:29	BLM
Perfluorohexanesulfonic acid (PFHxS)	ND	2.0	ng/L	1		SOP 434-PFAAS	8/29/17	9/6/17 15:29	BLM
Perfluorooctanoic acid (PFOA)	ND	2.0	ng/L	1		SOP 434-PFAAS	8/29/17	9/6/17 15:29	BLM
Perfluorooctanesulfonic acid (PFOS)	ND	2.0	ng/L	1		SOP 434-PFAAS	8/29/17	9/6/17 15:29	BLM
Perfluorononanoic acid (PFNA)	ND	2.0	ng/L	1		SOP 434-PFAAS	8/29/17	9/6/17 15:29	BLM
Perfluorodecanoic acid (PFDA)	ND	2.0	ng/L	1		SOP 434-PFAAS	8/29/17	9/6/17 15:29	BLM
NMeFOSAA	ND	2.0	ng/L	1		SOP 434-PFAAS	8/29/17	9/6/17 15:29	BLM
Perfluoroundecanoic acid (PFUnA)	ND	2.0	ng/L	1		SOP 434-PFAAS	8/29/17	9/6/17 15:29	BLM
NEtFOSAA	ND	2.0	ng/L	1		SOP 434-PFAAS	8/29/17	9/6/17 15:29	BLM
Perfluorododecanoic acid (PFDoA)	ND	2.0	ng/L	1		SOP 434-PFAAS	8/29/17	9/6/17 15:29	BLM
Perfluorotridecanoic acid (PFTrDA)	ND	2.0	ng/L	1		SOP 434-PFAAS	8/29/17	9/6/17 15:29	BLM
Perfluorotetradecanoic acid (PFTA)	ND	2.0	ng/L	1		SOP 434-PFAAS	8/29/17	9/6/17 15:29	BLM
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
13C-PFHxA		96.5	70-130					9/6/17 15:29	
13C-PFDA		91.0	70-130					9/6/17 15:29	
d5-NEtFOSAA		87.4	70-130					9/6/17 15:29	

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 27 Indian Ridge Rd., Westfield, M

Sample Description:

Work Order: 17H1449

Date Received: 8/25/2017

Field Sample #: 27 Indian Ridge Rd - 3

Sampled: 8/25/2017 08:56

Sample ID: 17H1449-02

Sample Matrix: Drinking Water

Miscellaneous Organic Analyses

Analyte	Results	MCL/SMCL		Units	Dilution	Flag/Qual	Method	Date	Date/Time	Analyst
		RL	MA ORSG					Prepared	Analyzed	
Perfluorobutanesulfonic acid (PFBS)	ND	2.0		ng/L	1		SOP 434-PFAAS	8/29/17	9/6/17 14:46	BLM
Perfluorohexanoic acid (PFHxA)	2.6	2.0		ng/L	1		SOP 434-PFAAS	8/29/17	9/6/17 14:46	BLM
Perfluoroheptanoic acid (PFHpA)	ND	2.0		ng/L	1		SOP 434-PFAAS	8/29/17	9/6/17 14:46	BLM
Perfluorohexanesulfonic acid (PFHxS)	ND	2.0		ng/L	1		SOP 434-PFAAS	8/29/17	9/6/17 14:46	BLM
Perfluorooctanoic acid (PFOA)	2.7	2.0		ng/L	1		SOP 434-PFAAS	8/29/17	9/6/17 14:46	BLM
Perfluorooctanesulfonic acid (PFOS)	3.8	2.0		ng/L	1		SOP 434-PFAAS	8/29/17	9/6/17 14:46	BLM
Perfluorononanoic acid (PFNA)	ND	2.0		ng/L	1		SOP 434-PFAAS	8/29/17	9/6/17 14:46	BLM
Perfluorodecanoic acid (PFDA)	ND	2.0		ng/L	1		SOP 434-PFAAS	8/29/17	9/6/17 14:46	BLM
NMeFOSAA	ND	2.0		ng/L	1		SOP 434-PFAAS	8/29/17	9/6/17 14:46	BLM
Perfluoroundecanoic acid (PFUnA)	ND	2.0		ng/L	1		SOP 434-PFAAS	8/29/17	9/6/17 14:46	BLM
NEtFOSAA	ND	2.0		ng/L	1		SOP 434-PFAAS	8/29/17	9/6/17 14:46	BLM
Perfluorododecanoic acid (PFDoA)	ND	2.0		ng/L	1		SOP 434-PFAAS	8/29/17	9/6/17 14:46	BLM
Perfluorotridecanoic acid (PFTriDA)	ND	2.0		ng/L	1		SOP 434-PFAAS	8/29/17	9/6/17 14:46	BLM
Perfluorotetradecanoic acid (PFTA)	ND	2.0		ng/L	1		SOP 434-PFAAS	8/29/17	9/6/17 14:46	BLM

Surrogates	% Recovery	Recovery Limits	Flag/Qual
13C-PFHxA	99.3	70-130	9/6/17 14:46
13C-PFDA	89.7	70-130	9/6/17 14:46
d5-NEtFOSAA	83.3	70-130	9/6/17 14:46



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Sample Extraction Data

Prep Method: EPA 537-SOP 434-PFAAS

Lab Number [Field ID]	Batch	Initial [mL]	Final [mL]	Date
17H1449-01 [Trip Blank]	B185125	250	1.00	08/29/17
17H1449-02 [27 Indian Ridge Rd - 3]	B185125	250	1.00	08/29/17

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QUALITY CONTROL

Miscellaneous Organic Analyses - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B185125 - EPA 537										
Blank (B185125-BLK1)										
Prepared: 08/29/17 Analyzed: 08/31/17										
Perfluorobutanesulfonic acid (PFBS)	ND	2.0	ng/L							
Perfluorohexanoic acid (PFHxA)	ND	2.0	ng/L							
Perfluoroheptanoic acid (PFHpA)	ND	2.0	ng/L							
Perfluorohexanesulfonic acid (PFHxS)	ND	2.0	ng/L							
Perfluorooctanoic acid (PFOA)	ND	2.0	ng/L							
Perfluorooctanesulfonic acid (PFOS)	ND	2.0	ng/L							
Perfluorononanoic acid (PFNA)	ND	2.0	ng/L							
Perfluorodecanoic acid (PFDA)	ND	2.0	ng/L							
NMeFOSAA	ND	2.0	ng/L							
Perfluoroundecanoic acid (PFUnA)	ND	2.0	ng/L							
NEtFOSAA	ND	2.0	ng/L							
Perfluorododecanoic acid (PFDoA)	ND	2.0	ng/L							
Perfluorotridecanoic acid (PFTriDA)	ND	2.0	ng/L							
Perfluorotetradecanoic acid (PFTA)	ND	2.0	ng/L							
Surrogate: 13C-PFHxA	38.3		ng/L	40.0		95.8	70-130			
Surrogate: 13C-PFDA	36.6		ng/L	40.0		91.5	70-130			
Surrogate: d5-NEtFOSAA	117		ng/L	160		73.4	70-130			
LCS (B185125-BS1)										
Prepared: 08/29/17 Analyzed: 08/31/17										
Perfluorobutanesulfonic acid (PFBS)	1.63	2.0	ng/L	1.77		92.2	70-130			
Perfluorohexanoic acid (PFHxA)	2.31	2.0	ng/L	2.00		115	70-130			
Perfluoroheptanoic acid (PFHpA)	1.96	2.0	ng/L	2.00		97.9	70-130			
Perfluorohexanesulfonic acid (PFHxS)	1.91	2.0	ng/L	1.82		105	70-130			
Perfluorooctanoic acid (PFOA)	2.29	2.0	ng/L	2.00		114	70-130			
Perfluorooctanesulfonic acid (PFOS)	1.69	2.0	ng/L	1.85		91.2	70-130			
Perfluorononanoic acid (PFNA)	1.94	2.0	ng/L	2.00		97.0	70-130			
Perfluorodecanoic acid (PFDA)	1.80	2.0	ng/L	2.00		90.2	70-130			
NMeFOSAA	2.06	2.0	ng/L	2.00		103	70-130			
Perfluoroundecanoic acid (PFUnA)	1.78	2.0	ng/L	2.00		89.2	70-130			
NEtFOSAA	2.13	2.0	ng/L	2.00		107	70-130			
Perfluorododecanoic acid (PFDoA)	1.67	2.0	ng/L	2.00		83.4	70-130			
Perfluorotridecanoic acid (PFTriDA)	1.52	2.0	ng/L	2.00		76.1	70-130			
Perfluorotetradecanoic acid (PFTA)	1.51	2.0	ng/L	2.00		75.3	70-130			
Surrogate: 13C-PFHxA	39.1		ng/L	40.0		97.9	70-130			
Surrogate: 13C-PFDA	41.3		ng/L	40.0		103	70-130			
Surrogate: d5-NEtFOSAA	136		ng/L	160		84.7	70-130			



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FLAG/QUALIFIER SUMMARY

*	QC result is outside of established limits.
†	Wide recovery limits established for difficult compound.
‡	Wide RPD limits established for difficult compound.
#	Data exceeded client recommended or regulatory level
ND	Not Detected
RL	Reporting Limit
DL	Method Detection Limit
MCL	Maximum Contaminant Level

Percent recoveries and relative percent differences (RPDs) are determined by the software using values in the calculation which have not been rounded.

No results have been blank subtracted unless specified in the case narrative section.

CERTIFICATIONS

Certified Analyses included in this Report

Analyte	Certifications
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No certified Analyses included in this Report

The CON-TEST Environmental Laboratory operates under the following certifications and accreditations:

Code	Description	Number	Expires
AIHA	AIHA-LAP, LLC - ISO17025:2005	100033	02/1/2018
MA	Massachusetts DEP	M-MA100	06/30/2018
CT	Connecticut Department of Public Health	PH-0567	09/30/2017
NY	New York State Department of Health	10899 NELAP	04/1/2018
NH-S	New Hampshire Environmental Lab	2516 NELAP	02/5/2018
RI	Rhode Island Department of Health	LAO00112	12/30/2017
NC	North Carolina Div. of Water Quality	652	12/31/2017
NJ	New Jersey DEP	MA007 NELAP	06/30/2018
FL	Florida Department of Health	E871027 NELAP	06/30/2018
VT	Vermont Department of Health Lead Laboratory	LL015036	07/30/2018
ME	State of Maine	2011028	06/9/2019
VA	Commonwealth of Virginia	460217	12/14/2017
NH-P	New Hampshire Environmental Lab	2557 NELAP	09/6/2017
VT-DW	Vermont Department of Health Drinking Water	VT-255716	06/12/2018
NC-DW	North Carolina Department of Health	25703	07/31/2018

17H1449

http://www.contestlabs.com

CHAIN OF CUSTODY RECORD

39 Spruce Street
East Longmeadow, MA 01028

Doc # 381 Rev 1_03242017

Phone: 413-525-2332
Fax: 413-525-6405
Email: info@contestlabs.com



Company Name: ATC Group Services

Address: 73 William Franks Drive, West Springfield, MA

Phone: (413) 781-0070

Project Name: 27 Indian Ridge Rd, Westfield

Project Location: 27 Indian Ridge Rd, Westfield

Project Number: 183EM00170

Project Manager: Rob Smith

Con-Test Quote Name/Number:

Invoice Recipient:

Sampled By: Elizabeth O'Connor

Requested Turnaround Time
 7-Day 10-Day 15-Day
 Due Date: 5-day TAT

Rush-Approval Required
 1-Day 3-Day 4-Day

Data Delivery
 Format: PDF EXCEL

Other:
 CLP Like Data Pkg Required:

Email To:
 Fax To #:

of Containers
 2. Preservation Code
 3. Container Code

Dissolved Metals Samples
 Field Filtered
 Lab to Filter

Orthophosphate Samples
 Field Filtered
 Lab to Filter

Matrix Codes:
 GW = Ground Water
 WW = Waste Water
 DW = Drinking Water
 A = Air
 S = Soil
 SL = Sludge
 SOL = Solid
 O = Other (please define)

Preservation Codes:
 I = Iced
 H = HCL
 M = Methanol
 N = Nitric Acid
 S = Sulfuric Acid
 B = Sodium Bisulfate
 X = Sodium Hydroxide
 T = Sodium Thiosulfate
 O = Other (please define)

Container Codes:
 A = Amber Glass
 G = Glass
 P = Plastic
 ST = Sterile
 V = Vial
 S = Summa Canister
 T = Tedlar Bag
 O = Other (please define)

Con-Test Work Order #	Client Sample ID / Description	Beginning Date/Time	Ending Date/Time	Composite	Grab	Matrix Code	Conc Code
	Trip blank	8/25/2017	7:50				
	27 Indian Ridge Rd - field blank	8/25/2017	8:40	X	X	DW	U
2	27 Indian Ridge Rd - 3	8/25/2017	8:56	X	X	DW	U
	27 Indian Ridge Rd - 4	8/25/2017	8:57	X	X	DW	U

ANALYSIS REQUESTED

EPA METHOD 537
 TOTAL As, Fe, HARDNESS, TOC

Please use the following codes to indicate possible sample concentration within the Conc Code column above:
 H - High; M - Medium; L - Low; C - Clean; U - Unknown

Comments:
 RUN EPA Method 537: Trip Blank and 27 Indian Ridge Rd-3
 EXTRACT & HOLD EPA Method 537: 27 Indian Ridge Rd-field blank & 27 Indian Ridge Rd-4
 HOLD As, Fe, Hardness, TOC

Relinquished by: (signature) *Elizabeth O'Connor* Date/Time: 8/25/17 13:30
 Received by: (signature) *Sample Refrigerator* Date/Time: 8/25/17 13:30
 Relinquished by: (signature) *Refrigerator* Date/Time: 8/25/17 17:30
 Requested by: (signature) *Elizabeth O'Connor* Date/Time: 8/25/17 17:30
 Approved by: (signature) *Elizabeth O'Connor* Date/Time: 8/25/17 18:15

MA MCP Required MA State DW Required
 MCP Certification Form Required
 CT RCP Required
 RCP Certification Form Required

Project Entity: Municipality MWRA WRTA Other
 Government Federal City School MBTA
 21 J Brownfield Chromatogram AIHA-LAP, LLC

PCB ONLY Soxhlet Non Soxhlet



39 Spruce St.
 East Longmeadow, MA. 01028
 P: 413-525-2332
 F: 413-525-6405
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con-test[®]
 ANALYTICAL LABORATORY

Doc# 277 Rev 5 2017

Login Sample Receipt Checklist - (Rejection Criteria Listing - Using Acceptance Policy) Any False Statement will be brought to the attention of the Client - State True or False

Client ATC
 Received By JM Date 8/25/17 Time 1815
 How were the samples received? In Cooler T No Cooler _____ On Ice T No Ice _____
 Direct from Sampling _____ Ambient _____ Melted Ice _____
 Were samples within Temperature? 2-6°C T By Gun # 1 Actual Temp - 3.4
 By Blank # _____ Actual Temp - _____
 Was Custody Seal Intact? N/A Were Samples Tampered with? N/A
 Was COC Relinquished? T Does Chain Agree With Samples? T
 Are there broken/leaking/loose caps on any samples? F
 Is COC in ink/ Legible? T Were samples received within holding time? T
 Did COC include all pertinent Information? Client T Analysis T Sampler Name T
 Project T ID's T Collection Dates/Times T
 Are Sample labels filled out and legible? T
 Are there Lab to Filters? N/A Who was notified? _____
 Are there Rushes? N/A Who was notified? _____
 Are there Short Holds? N/A Who was notified? _____
 Is there enough Volume? T
 Is there Headspace where applicable? T MS/MSD? N/A
 Proper Media/Containers Used? T Is splitting samples required? N/A
 Were trip blanks received? T On COC? T
 Do all samples have the proper pH? Acid T Base _____

Vials	#	Containers	#	#	#
Unp-		1 Liter Amb.		1 Liter Plastic	16 oz Amb.
HCL-	<u>2</u>	500 mL Amb.		500 mL Plastic	8oz Amb/Clear
Meoh-		250 mL Amb.		250 mL Plastic	4oz Amb/Clear
Bisulfate-		Col./Bacteria		Flashpoint	2oz Amb/Clear
DI-		Other Plastic		Other Glass	Encore
Thiosulfate-		SOC Kit		Plastic Bag	Frozen:
Sulfuric-		Perchlorate		Ziplock	

Unused Media

Vials	#	Containers	#	#	#
Unp-		1 Liter Amb.		1 Liter Plastic	16 oz Amb.
HCL-		500 mL Amb.		500 mL Plastic	8oz Amb/Clear
Meoh-		250 mL Amb.		250 mL Plastic	4oz Amb/Clear
Bisulfate-		Col./Bacteria		Flashpoint	2oz Amb/Clear
DI-		Other Plastic		Other Glass	Encore
Thiosulfate-		SOC Kit		Plastic Bag	Frozen:
Sulfuric-		Perchlorate		Ziplock	

Comments: