

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

October 17, 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 sixty (60) private wells and have issued eighty-eight (88) access agreement letters. During this period, MassDEP re-issued letters to seventeen (17) homeowners who did not respond to the first access agreement letter. 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:

Two (2) 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 sixty (60) 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](http://www.mass.gov/dep)

Printed on Recycled Paper

Address	Date Sampled	Laboratory Results for PFOA + PFOS (70 ppt Advisory)
1889 East Mountain Road	9/26/2017	ND
1903 East Mountain Road	9/26/2017	ND
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
<b>281 Lower Sandy Hill Rd</b>	<b>6/2/2017</b>	<b>141 ppt</b>
<b>289 Lower Sandy Hill Rd</b>	<b>6/2/2017</b>	<b>787 ppt</b>
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

<b>285 Lower Sandy Hill Road</b>	<b>5/10/2017</b>	<b>864 ppt</b>
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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October 17, 2017

Ronald Bergstrom  
1903 East Mountain Road  
Westfield, MA 01085

RE: Notice of Environmental Sampling  
1903 East Mountain Road  
Westfield Private Well Sampling

Dear Mr. Bergstrom:

The Department of Environmental Protection (DEP) collected a drinking water sample from your private well on September 26, 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.<sup>1</sup>

**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.

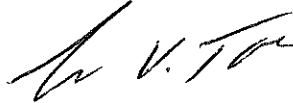
TTY# MassRelay Service 1-800-439-2370

MassDEP Website: [www.mass.gov/dep](http://www.mass.gov/dep)

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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

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<sup>1</sup> 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: Ronald Bergstrom  
2. Street Address: 1903 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: 1903 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 analysed for PHAS 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 413/525-8405 \* TEL. 413/525-2332

October 6, 2017

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

Project Location: 1903 East Mountain Road., Westfield, MA  
Client Job Number:  
Project Number: 183EM00170  
Laboratory Work Order Number: 17I1234

Enclosed are results of analyses for samples received by the laboratory on September 26, 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



## Table of Contents

Sample Summary	3
Case Narrative	4
Sample Results	5
17I1234-01	5
17I1234-02	6
Sample Preparation Information	7
QC Data	8
Miscellaneous Organic Analyses	8
B187187	8
Flag/Qualifier Summary	9
Certifications	10
Chain of Custody/Sample Receipt	11



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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: 10/6/2017

PURCHASE ORDER NUMBER:

PROJECT NUMBER: 183EM00170

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ANALYTICAL SUMMARY

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WORK ORDER NUMBER: 1711234

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

PROJECT LOCATION: 1903 East Mountain Road., Westfield, MA

FIELD SAMPLE #	LAB ID:	MATRIX	SAMPLE DESCRIPTION	TEST	SUB LAB
Trip Blank	1711234-01	Trip Blank Water		EPA 537	
1903 East Mountain Rd - 1	1711234-02	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.

EPA 537

Qualifications:

Z-01

Surrogate recovery is outside of control limits. Insufficient sample available for reanalysis.

Analyte & Samples(s) Qualified:

13C-PFHxA

1711234-01[Trip 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.



Daren J. Damboragian  
Director of Operations



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

Project Location: 1903 East Mountain Road., Westf Sample Description:

Work Order: 17I1234

Date Received: 9/26/2017

Field Sample #: Trip Blank

Sampled: 9/26/2017 10:45

Sample ID: 17I1234-01

Sample Matrix: Trip Blank Water

Miscellaneous Organic Analyses

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Perfluorobutanesulfonic acid (PFBS)	ND	2.0	ng/L	1		EPA 537	9/27/17	9/30/17 20:04	BLM
Perfluorohexanoic acid (PFHxA)	ND	2.0	ng/L	1		EPA 537	9/27/17	9/30/17 20:04	BLM
Perfluoroheptanoic acid (PFHpA)	ND	2.0	ng/L	1		EPA 537	9/27/17	9/30/17 20:04	BLM
Perfluorohexanesulfonic acid (PFHxS)	ND	2.0	ng/L	1		EPA 537	9/27/17	9/30/17 20:04	BLM
Perfluorooctanoic acid (PFOA)	ND	2.0	ng/L	1		EPA 537	9/27/17	9/30/17 20:04	BLM
Perfluorooctanesulfonic acid (PFOS)	ND	2.0	ng/L	1		EPA 537	9/27/17	9/30/17 20:04	BLM
Perfluorononanoic acid (PFNA)	ND	2.0	ng/L	1		EPA 537	9/27/17	9/30/17 20:04	BLM
Perfluorodecanoic acid (PFDA)	ND	2.0	ng/L	1		EPA 537	9/27/17	9/30/17 20:04	BLM
NMeFOSAA	ND	2.0	ng/L	1		EPA 537	9/27/17	9/30/17 20:04	BLM
Perfluoroundecanoic acid (PFUnA)	ND	2.0	ng/L	1		EPA 537	9/27/17	9/30/17 20:04	BLM
NEtFOSAA	ND	2.0	ng/L	1		EPA 537	9/27/17	9/30/17 20:04	BLM
Perfluorododecanoic acid (PFDoA)	ND	2.0	ng/L	1		EPA 537	9/27/17	9/30/17 20:04	BLM
Perfluorotridecanoic acid (PFTrDA)	ND	2.0	ng/L	1		EPA 537	9/27/17	9/30/17 20:04	BLM
Perfluorotetradecanoic acid (PFTA)	ND	2.0	ng/L	1		EPA 537	9/27/17	9/30/17 20:04	BLM

Surrogates	% Recovery	Recovery Limits	Flag/Qual	Date/Time Analyzed
13C-PFHxA	53.8 *	70-130	Z-01	9/30/17 20:04
13C-PFDA	110	70-130		9/30/17 20:04
d5-NEtFOSAA	100	70-130		9/30/17 20:04

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

Project Location: 1903 East Mountain Road., Westf

Sample Description:

Work Order: 1711234

Date Received: 9/26/2017

Field Sample #: 1903 East Mountain Rd - 1

Sampled: 9/26/2017 15:58

Sample ID: 1711234-02

Sample Matrix: Drinking Water

Miscellaneous Organic Analyses

Analyte	Results	MCL/SMCL		Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
		RL	MA ORSG							
Perfluorobutanesulfonic acid (PFBS)	ND	2.0	2	ng/L	1		EPA 537	9/27/17	9/30/17 20:17	BLM
Perfluorohexanoic acid (PFHxA)	ND	2.0	2	ng/L	1		EPA 537	9/27/17	9/30/17 20:17	BLM
Perfluoroheptanoic acid (PFHpA)	ND	2.0	2	ng/L	1		EPA 537	9/27/17	9/30/17 20:17	BLM
Perfluorohexanesulfonic acid (PFHxS)	ND	2.0	2	ng/L	1		EPA 537	9/27/17	9/30/17 20:17	BLM
Perfluorooctanoic acid (PFOA)	ND	2.0	2	ng/L	1		EPA 537	9/27/17	9/30/17 20:17	BLM
Perfluorooctanesulfonic acid (PFOS)	ND	2.0	2	ng/L	1		EPA 537	9/27/17	9/30/17 20:17	BLM
Perfluorononanoic acid (PFNA)	ND	2.0	2	ng/L	1		EPA 537	9/27/17	9/30/17 20:17	BLM
Perfluorodecanoic acid (PFDA)	ND	2.0	2	ng/L	1		EPA 537	9/27/17	9/30/17 20:17	BLM
NMeFOSAA	ND	2.0		ng/L	1		EPA 537	9/27/17	9/30/17 20:17	BLM
Perfluoroundecanoic acid (PFUnA)	ND	2.0	2	ng/L	1		EPA 537	9/27/17	9/30/17 20:17	BLM
NEtFOSAA	ND	2.0		ng/L	1		EPA 537	9/27/17	9/30/17 20:17	BLM
Perfluorododecanoic acid (PFDoA)	ND	2.0	2	ng/L	1		EPA 537	9/27/17	9/30/17 20:17	BLM
Perfluorotridecanoic acid (PFTrDA)	ND	2.0	2	ng/L	1		EPA 537	9/27/17	9/30/17 20:17	BLM
Perfluorotetradecanoic acid (PFTA)	ND	2.0	2	ng/L	1		EPA 537	9/27/17	9/30/17 20:17	BLM
Surrogates		% Recovery	Recovery Limits			Flag/Qual				
I3C-PFHxA		88.6	70-130						9/30/17 20:17	
I3C-PFDA		101	70-130						9/30/17 20:17	
d5-NEtFOSAA		86.9	70-130						9/30/17 20:17	



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### Sample Extraction Data

Prep Method: EPA 537-EPA 537

Lab Number [Field ID]	Batch	Initial [mL]	Final [mL]	Date
17I1234-01 [Trip Blank]	B187187	250	1.00	09/27/17
17I1234-02 [1903 East Mountain Rd - I]	B187187	250	1.00	09/27/17

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 B187187 - EPA 537										
Blank (B187187-BLKI) <span style="float: right;">Prepared: 09/27/17 Analyzed: 09/30/17</span>										
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	38.4		ng/L	40.0		96.0	70-130			
Surrogate: 13C-PFDA	40.1		ng/L	40.0		100	70-130			
Surrogate: d5-NEtFOSAA	127		ng/L	160		79.2	70-130			
LCS (B187187-BS1) <span style="float: right;">Prepared: 09/27/17 Analyzed: 09/30/17</span>										
Perfluorobutanesulfonic acid (PFBS)	1.26	2.0	ng/L	1.77		71.2	70-130			
Perfluorohexanoic acid (PFHxA)	1.81	2.0	ng/L	2.00		90.7	70-130			
Perfluoroheptanoic acid (PFHpA)	1.71	2.0	ng/L	2.00		85.6	70-130			
Perfluorohexanesulfonic acid (PFHxS)	1.41	2.0	ng/L	1.82		77.5	70-130			
Perfluorooctanoic acid (PFOA)	1.53	2.0	ng/L	2.00		76.4	70-130			
Perfluorooctanesulfonic acid (PFOS)	1.67	2.0	ng/L	1.85		90.3	70-130			
Perfluorononanoic acid (PFNA)	1.46	2.0	ng/L	2.00		72.8	70-130			
Perfluorodecanoic acid (PFDA)	1.61	2.0	ng/L	2.00		80.4	70-130			
NMeFOSAA	1.40	2.0	ng/L	2.00		70.2	70-130			
Perfluoroundecanoic acid (PFUnA)	1.96	2.0	ng/L	2.00		98.0	70-130			
NEtFOSAA	1.98	2.0	ng/L	2.00		98.8	70-130			
Perfluorododecanoic acid (PFDoA)	1.81	2.0	ng/L	2.00		90.5	70-130			
Perfluorotridecanoic acid (PFTriDA)	1.67	2.0	ng/L	2.00		83.4	70-130			
Perfluorotetradecanoic acid (PFTA)	1.74	2.0	ng/L	2.00		86.8	70-130			
Surrogate: 13C-PFHxA	36.3		ng/L	40.0		90.7	70-130			
Surrogate: 13C-PFDA	40.6		ng/L	40.0		102	70-130			
Surrogate: d5-NEtFOSAA	164		ng/L	160		102	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.
- Z-01 Surrogate recovery is outside of control limits. Insufficient sample available for reanalysis.



CERTIFICATIONS

Certified Analyses included in this Report

Analyte	Certifications
<i>EPA 537 in Drinking Water</i>	
Perfluorobutanesulfonic acid (PFBS)	VT-DW,ME
Perfluorohexanoic acid (PFHxA)	VT-DW,ME
Perfluoroheptanoic acid (PFHpA)	VT-DW,ME
Perfluorohexanesulfonic acid (PFHxS)	VT-DW,ME
Perfluorooctanoic acid (PFOA)	NH,NY,VT-DW,ME
Perfluorooctanesulfonic acid (PFOS)	NH,NY,VT-DW,ME
Perfluorononanoic acid (PFNA)	VT-DW,ME
Perfluorodecanoic acid (PFDA)	VT-DW,ME
NMeFOSAA	VT-DW
Perfluoroundecanoic acid (PFUnA)	VT-DW,ME
NEtFOSAA	VT-DW
Perfluorododecanoic acid (PFDoA)	VT-DW,ME
Perfluorotridecanoic acid (PFTrDA)	VT-DW,ME
Perfluorotetradecanoic acid (PFTA)	VT-DW,ME

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	09/30/2019
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	09/6/2018
VT-DW	Vermont Department of Health Drinking Water	VT-255716	06/12/2018
NC-DW	North Carolina Department of Health	25703	07/31/2018

17I1234



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 (413) 781-0070  
**Project Name:** 1903 East Mountain Rd, Westfield  
**Project Location:** 1903 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
1	Trip blank	9/26/2017	10:45				
2	1903 East Mountain Rd - field blank	9/26/2017	15:48	X		DW	U
	1903 East Mountain Rd - 1	9/26/2017	15:58	X		DW	U
	1903 East Mountain Rd - 2	9/26/2017	15:59	X		DW	U

**Comments:**  
 RUN EPA Method 537: Trip blank & 1903 East Mountain Rd-1  
 EXTRACT & HOLD EPA Method 537: 1903 East Mountain Rd-field blank & 1903 East Mountain Rd-2  
 HOLD As, Fe, Hardness, TOC

**Relinquished by:** (signature) *S. S. W.* Date/Time: 9/26/17 17:50  
**Received by:** (signature) *[Signature]* Date/Time: 9/26/17 17:50  
**Relinquished by:** (signature) Date/Time: \_\_\_\_\_

**MA** Detection Limit Requirements: MA MCP Required   
 MCP Certification Form Required   
**CT** Detection Limit Requirements: CT RCP Required   
 RCP Certification Form Required   
 MA State DW Required   
**Other:** PWSID # \_\_\_\_\_

**Project Entity:**  
 Government  Municipality  MWRA  WRTA  Other  
 Federal  21 J  School  Chromatogram  
 City  Brownfield  MBTA  A/H/LAP, LLC

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

**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 #:

6	1	2	3	4	5	6	7	8	9	10	11	12
	O	N	H									
	P		V									
ANALYSIS REQUESTED												
TOTAL As, Fe, HARDNESS, TOC												
EPA METHOD 537												
	X											
	X											
	X											
	X											

# 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)  
 TRIZMA

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

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



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



**con-test**<sup>®</sup>  
 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 9/26/17 Time 1750  
 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 - 5.5  
 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 COG 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 \_\_\_\_\_

Media	Container	Media	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**

Media	Container	Media	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

October 17, 2017

Mark R. Gaskalka  
1889 East Mountain Road  
Westfield, MA 01085

RE: Notice of Environmental Sampling  
1889 East Mountain Road  
Westfield Private Well Sampling

Dear Mr. Gaskalka:

The Department of Environmental Protection (DEP) collected a drinking water sample from your private well on September 26, 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.<sup>1</sup>

**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

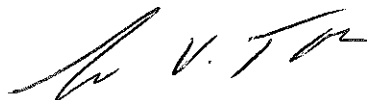
MassDEP Website: [www.mass.gov/dep](http://www.mass.gov/dep)

Printed on Recycled Paper

Notice of Environmental Sampling  
1889 East Mountain Road  
Westfield, RTN: 1-20093  
Page 2 of 2

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

---

<sup>1</sup> 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: Mark R. Gaskalka  
2. Street Address: 1889 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: 1889 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 _____<br>(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 analysed for PHAS 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

October 5, 2017

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

Project Location: 1889 East Mountain Road., Westfield, MA  
Client Job Number:  
Project Number: 183EM00170  
Laboratory Work Order Number: 17I1235

Enclosed are results of analyses for samples received by the laboratory on September 26, 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



## Table of Contents

Sample Summary	3
Case Narrative	4
Sample Results	5
17I1235-01	5
Sample Preparation Information	6
QC Data	7
Miscellaneous Organic Analyses	7
B187187	7
Flag/Qualifier Summary	8
Certifications	9
Chain of Custody/Sample Receipt	10



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

REPORT DATE: 10/5/2017

PURCHASE ORDER NUMBER:

PROJECT NUMBER: 183EM00170

ANALYTICAL SUMMARY

WORK ORDER NUMBER: 17II235

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

PROJECT LOCATION: 1889 East Mountain Road., Westfield, MA

FIELD SAMPLE #	LAB ID:	MATRIX	SAMPLE DESCRIPTION	TEST	SUB LAB
1889 East Mountain Rd - 1	17II235-01	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 "Lisa A. Worthington". The signature is fluid and cursive, written over a light blue horizontal line.

Lisa A. Worthington  
Project Manager



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

Project Location: 1889 East Mountain Road., Westf Sample Description:

Work Order: 17I1235

Date Received: 9/26/2017

Field Sample #: 1889 East Mountain Rd - 1

Sampled: 9/26/2017 16:36

Sample ID: 17I1235-01

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	2	ng/L	1		EPA 537	9/27/17	9/30/17 20:55	ZZZ
Perfluorohexanoic acid (PFHxA)	ND	2.0	2	ng/L	1		EPA 537	9/27/17	9/30/17 20:55	ZZZ
Perfluoroheptanoic acid (PFHpA)	ND	2.0	2	ng/L	1		EPA 537	9/27/17	9/30/17 20:55	ZZZ
Perfluorohexanesulfonic acid (PFHxS)	ND	2.0	2	ng/L	1		EPA 537	9/27/17	9/30/17 20:55	ZZZ
Perfluorooctanoic acid (PFOA)	ND	2.0	2	ng/L	1		EPA 537	9/27/17	9/30/17 20:55	ZZZ
Perfluorooctanesulfonic acid (PFOS)	ND	2.0	2	ng/L	1		EPA 537	9/27/17	9/30/17 20:55	ZZZ
Perfluorononanoic acid (PFNA)	ND	2.0	2	ng/L	1		EPA 537	9/27/17	9/30/17 20:55	ZZZ
Perfluorodecanoic acid (PFDA)	ND	2.0	2	ng/L	1		EPA 537	9/27/17	9/30/17 20:55	ZZZ
NMeFOSAA	ND	2.0		ng/L	1		EPA 537	9/27/17	9/30/17 20:55	ZZZ
Perfluoroundecanoic acid (PFUnA)	ND	2.0	2	ng/L	1		EPA 537	9/27/17	9/30/17 20:55	ZZZ
NEtFOSAA	ND	2.0		ng/L	1		EPA 537	9/27/17	9/30/17 20:55	ZZZ
Perfluorododecanoic acid (PFDoA)	ND	2.0	2	ng/L	1		EPA 537	9/27/17	9/30/17 20:55	ZZZ
Perfluorotridecanoic acid (PFTrDA)	ND	2.0	2	ng/L	1		EPA 537	9/27/17	9/30/17 20:55	ZZZ
Perfluorotetradecanoic acid (PFTA)	ND	2.0	2	ng/L	1		EPA 537	9/27/17	9/30/17 20:55	ZZZ
Surrogates		% Recovery	Recovery Limits			Flag/Qual				
13C-PFHxA		98.3	70-130						9/30/17 20:55	
13C-PFDA		114	70-130						9/30/17 20:55	
d5-NEtFOSAA		117	70-130						9/30/17 20:55	

---

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**Sample Extraction Data**

Prep Method: EPA 537-EPA 537

---

Lab Number [Field ID]	Batch	Initial [mL]	Final [mL]	Date
1711235-01 [1889 East Mountain Rd - 1]	B187187	250	1.00	09/27/17

---



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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
<b>Batch B187187 - EPA 537</b>										
<b>Blank (B187187-BLK1)</b>										
Prepared: 09/27/17 Analyzed: 09/30/17										
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	38.4		ng/L	40.0		96.0	70-130			
Surrogate: 13C-PFDA	40.1		ng/L	40.0		100	70-130			
Surrogate: d5-NEtFOSAA	127		ng/L	160		79.2	70-130			
<b>LCS (B187187-BS1)</b>										
Prepared: 09/27/17 Analyzed: 09/30/17										
Perfluorobutanesulfonic acid (PFBS)	1.26	2.0	ng/L	1.77		71.2	70-130			
Perfluorohexanoic acid (PFHxA)	1.81	2.0	ng/L	2.00		90.7	70-130			
Perfluoroheptanoic acid (PFHpA)	1.71	2.0	ng/L	2.00		85.6	70-130			
Perfluorohexanesulfonic acid (PFHxS)	1.41	2.0	ng/L	1.82		77.5	70-130			
Perfluorooctanoic acid (PFOA)	1.53	2.0	ng/L	2.00		76.4	70-130			
Perfluorooctanesulfonic acid (PFOS)	1.67	2.0	ng/L	1.85		90.3	70-130			
Perfluorononanoic acid (PFNA)	1.46	2.0	ng/L	2.00		72.8	70-130			
Perfluorodecanoic acid (PFDA)	1.61	2.0	ng/L	2.00		80.4	70-130			
NMeFOSAA	1.40	2.0	ng/L	2.00		70.2	70-130			
Perfluoroundecanoic acid (PFUnA)	1.96	2.0	ng/L	2.00		98.0	70-130			
NEtFOSAA	1.98	2.0	ng/L	2.00		98.8	70-130			
Perfluorododecanoic acid (PFDoA)	1.81	2.0	ng/L	2.00		90.5	70-130			
Perfluorotridecanoic acid (PFTtDA)	1.67	2.0	ng/L	2.00		83.4	70-130			
Perfluorotetradecanoic acid (PFTA)	1.74	2.0	ng/L	2.00		86.8	70-130			
Surrogate: 13C-PFHxA	36.3		ng/L	40.0		90.7	70-130			
Surrogate: 13C-PFDA	40.6		ng/L	40.0		102	70-130			
Surrogate: d5-NEtFOSAA	164		ng/L	160		102	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 537 in Drinking Water</i>	
Perfluorobutanesulfonic acid (PFBS)	VT-DW,ME
Perfluorohexanoic acid (PFHxA)	VT-DW,ME
Perfluoroheptanoic acid (PFHpA)	VT-DW,ME
Perfluorohexanesulfonic acid (PFHxS)	VT-DW,ME
Perfluorooctanoic acid (PFOA)	NH,NY,VT-DW,ME
Perfluorooctanesulfonic acid (PFOS)	NH,NY,VT-DW,ME
Perfluorononanoic acid (PFNA)	VT-DW,ME
Perfluorodecanoic acid (PFDA)	VT-DW,ME
NMeFOSAA	VT-DW
Perfluoroundecanoic acid (PFUnA)	VT-DW,ME
NEtFOSAA	VT-DW
Perfluorododecanoic acid (PFDoA)	VT-DW,ME
Perfluorotridecanoic acid (PFTriDA)	VT-DW,ME
Perfluorotetradecanoic acid (PFTA)	VT-DW,ME

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	09/30/2019
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	LAC00112	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	09/6/2018
VT-DW	Vermont Department of Health Drinking Water	VT-255716	06/12/2018
NC-DW	North Carolina Department of Health	25703	07/31/2018



17I1235



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 Email: info@contestlabs.com

http://www.contestlabs.com

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 (413) 781-0070  
**Project Name:** 1889 East Mountain Rd, Westfield  
**Project Location:** 1889 East Mountain 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
	1889 East Mountain Rd - field blank	9/26/2017	16:20		X	DW	U
	1889 East Mountain Rd - 1	9/26/2017	16:36		X	DW	U
	1889 East Mountain Rd - 2	9/26/2017	16:37		X	DW	U

ANALYSIS REQUESTED		5	1	2	# of Containers
TOTAL As, Fe, HARDNESS, TOC		O	N	H	
EPA METHOD 537		P	P	V	

Comments:  
 RUN EPA Method 537; 1889 East Mountain Rd-1  
 EXTRACT & HOLD EPA Method 537; 1889 East Mountain Rd-field blank & 1889 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

**Requisitioned by:** (signature) *Sacoma* Date/Time: 9/26/17 17:50  
**Received by:** (signature) *Sacoma* 5.5 Date/Time: 9/26/17 17:50  
**Requisitioned by:** (signature) *Sacoma* Date/Time: 9/26/17 17:50  
**Received by:** (signature) Date/Time: \_\_\_\_\_  
**Requisitioned by:** (signature) Date/Time: \_\_\_\_\_  
**Received by:** (signature) Date/Time: \_\_\_\_\_

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**Detection Limit Requirements:** MA  CT   
**Special Requirements:** MA MCP Required  CT RCP Required   
 MA State DW Required   
**Other:** PWSID # \_\_\_\_\_

**Project Entity:**  
 Government  Municipality  WRTA  Chromatogram  
 Federal  21 J  School  MBTA  
 City  Brownfield  MBTA

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 East Longmeadow, MA. 01028  
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 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 SM Date 9/26/17 Time 1750  
 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 - 5.5  
 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? \_\_\_\_\_  
 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	Media	Other
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	Media	Other
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:**