



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

Matthew A. Beaton
Secretary

Karyn E. Polito
Lieutenant Governor

Martin Suuberg
Commissioner

January 3, 2018

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

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 seventy-one private wells and have issued ninety access agreement letters. MassDEP is continuing to call individuals who have received access agreement letters to schedule sampling. MassDEP resampled residences where the Department installed a point of entry carbon filtration system to ensure the systems are working properly to eliminate any health risk. 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 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.

One of the sampling results, a resample due to laboratory quality control concerns on the original sample, had detections of PFCs; however, the results were well below the lifetime EPA Health Advisory of 70 ppt.

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 seventy-one 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)
296 Buck Pond Road	12/7/2017	ND
1830 East Mountain Road	12/7/2017	ND
31 Schumann Drive (resample)	12/7/2017	19 ppt
52 Ridge Trail Road	11/7/2017	8 ppt
101 Ridge Trail Road	11/7/2017	ND
31 Schumann Drive	11/7/2017	16 ppt
12 Ivy Avenue	11/7/2017	16 ppt
1768 East Mountain Road	11/7/2017	3 ppt
89 Ridge Trail Road	11/7/2017	8 ppt
77 Ridge Trail Road	11/7/2017	3 ppt
1948 East Mountain Road	11/7/2017	ND
240 Buck Pond Road	11/7/2017	ND
30 Hopkins Road	11/7/2017	ND
287 Buck Pond Road	11/7/2017	14 ppt
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 Road	8/28/2017	ND
22 Indian Ridge Road	8/28/2017	8ppt
33 Indian Ridge Road	8/28/2017	8ppt
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
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. Based on the results of the recent site assessment work performed at Barnes ANG Base and assessment completed by the City of Westfield, the Department is in the process of transitioning all response actions associated with the assessment and mitigation of the PFCs in the private wells to Barnes ANG Base. 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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January 3, 2018

Nancy Pasquini
296 Buck Pond Road
Westfield, MA 01085

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

Dear Ms. Pasquini:

The Department of Environmental Protection (DEP) collected a drinking water sample from your private well on December 7, 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.

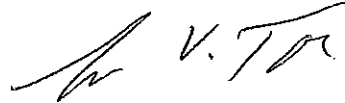
TTY# MassRelay Service 1-800-439-2370

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 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



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: 01080

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

1. Name: Nancy Pasquini
2. Street Address: 296 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: 296 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 at the above-referenced property and analyzed for PFAS via EPA Method 537.1.1.

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

Contact Name: MA Department of Environmental Protection
Street Address: 436 Dwight Street
City/Town: Springfield, MA Zip Code: 01103
Telephone: (413) 784-1100 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

December 14, 2017

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

Project Location: 296 Buck Pond Rd., Westfield
Client Job Number:
Project Number: 183EM00170
Laboratory Work Order Number: 17L0340

Enclosed are results of analyses for samples received by the laboratory on December 7, 2017. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

A handwritten signature in black ink that reads "Emily Snyder". The signature is written in a cursive, flowing style.

Emily E. Snyder
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: 12/14/2017

PURCHASE ORDER NUMBER:

PROJECT NUMBER: 183EM00170

ANALYTICAL SUMMARY

WORK ORDER NUMBER: 17L0340

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

PROJECT LOCATION: 296 Buck Pond Rd., Westfield

FIELD SAMPLE #	LAB ID:	MATRIX	SAMPLE DESCRIPTION	TEST	SUB LAB
Trip Blank	17L0340-01	Drinking Water		EPA 537	
296 Buck Pond-1	17L0340-02	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.

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: 296 Buck Pond Rd., Westfield

Sample Description:

Work Order: 17L0340

Date Received: 12/7/2017

Field Sample #: Trip Blank

Sampled: 12/7/2017 16:15

Sample ID: 17L0340-01

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	12/11/17	12/12/17 16:35	BLM
# Perfluorohexanoic acid (PFHxA)	5.0	2.0	2	ng/L	1		EPA 537	12/11/17	12/12/17 16:35	BLM
Perfluoroheptanoic acid (PFHpA)	ND	2.0	2	ng/L	1		EPA 537	12/11/17	12/12/17 16:35	BLM
Perfluorohexanesulfonic acid (PFHxS)	ND	2.0	2	ng/L	1		EPA 537	12/11/17	12/12/17 16:35	BLM
Perfluorooctanoic acid (PFOA)	ND	2.0	2	ng/L	1		EPA 537	12/11/17	12/12/17 16:35	BLM
Perfluorooctanesulfonic acid (PFOS)	ND	2.0	2	ng/L	1		EPA 537	12/11/17	12/12/17 16:35	BLM
Perfluorononanoic acid (PFNA)	ND	2.0	2	ng/L	1		EPA 537	12/11/17	12/12/17 16:35	BLM
Perfluorodecanoic acid (PFDA)	ND	2.0	2	ng/L	1		EPA 537	12/11/17	12/12/17 16:35	BLM
NMeFOSAA	ND	2.0		ng/L	1		EPA 537	12/11/17	12/12/17 16:35	BLM
Perfluoroundecanoic acid (PFUnA)	ND	2.0	2	ng/L	1		EPA 537	12/11/17	12/12/17 16:35	BLM
NEtFOSAA	ND	2.0		ng/L	1		EPA 537	12/11/17	12/12/17 16:35	BLM
Perfluorododecanoic acid (PFDoA)	ND	2.0	2	ng/L	1		EPA 537	12/11/17	12/12/17 16:35	BLM
Perfluorotridecanoic acid (PFTriDA)	ND	2.0	2	ng/L	1		EPA 537	12/11/17	12/12/17 16:35	BLM
Perfluorotetradecanoic acid (PFTA)	ND	2.0	2	ng/L	1		EPA 537	12/11/17	12/12/17 16:35	BLM
Surrogates		% Recovery	Recovery Limits			Flag/Qual				
13C-PFHxA		85.0	70-130					12/12/17	16:35	
13C-PFDA		78.9	70-130					12/12/17	16:35	
d5-NEtFOSAA		75.6	70-130					12/12/17	16:35	

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

Project Location: 296 Buck Pond Rd., Westfield

Sample Description:

Work Order: 17L0340

Date Received: 12/7/2017

Field Sample #: 296 Buck Pond-1

Sampled: 12/7/2017 10:56

Sample ID: 17L0340-02

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)	4.3	2.0	2		ng/L	1	EPA 537	12/11/17	12/12/17 20:02	BLM	
Perfluorohexanoic acid (PFHxA)	ND	2.0	2		ng/L	1	EPA 537	12/11/17	12/12/17 20:02	BLM	
Perfluoroheptanoic acid (PFHpA)	ND	2.0	2		ng/L	1	EPA 537	12/11/17	12/12/17 20:02	BLM	
# Perfluorohexanesulfonic acid (PFHxS)	2.6	2.0	2		ng/L	1	EPA 537	12/11/17	12/12/17 20:02	BLM	
Perfluorooctanoic acid (PFOA)	ND	2.0	2		ng/L	1	EPA 537	12/11/17	12/12/17 20:02	BLM	
Perfluorooctanesulfonic acid (PFOS)	ND	2.0	2		ng/L	1	EPA 537	12/11/17	12/12/17 20:02	BLM	
Perfluorononanoic acid (PFNA)	ND	2.0	2		ng/L	1	EPA 537	12/11/17	12/12/17 20:02	BLM	
Perfluorodecanoic acid (PFDA)	ND	2.0	2		ng/L	1	EPA 537	12/11/17	12/12/17 20:02	BLM	
NMeFOSAA	ND	2.0			ng/L	1	EPA 537	12/11/17	12/12/17 20:02	BLM	
Perfluoroundecanoic acid (PFUnA)	ND	2.0	2		ng/L	1	EPA 537	12/11/17	12/12/17 20:02	BLM	
NEtFOSAA	ND	2.0			ng/L	1	EPA 537	12/11/17	12/12/17 20:02	BLM	
Perfluorododecanoic acid (PFDoA)	ND	2.0	2		ng/L	1	EPA 537	12/11/17	12/12/17 20:02	BLM	
Perfluorotridecanoic acid (PFTriDA)	ND	2.0	2		ng/L	1	EPA 537	12/11/17	12/12/17 20:02	BLM	
Perfluorotetradecanoic acid (PFTA)	ND	2.0	2		ng/L	1	EPA 537	12/11/17	12/12/17 20:02	BLM	
Surrogates		% Recovery	Recovery Limits		Flag/Qual						
13C-PFHxA		125	70-130						12/12/17 20:02		
13C-PFDA		91.2	70-130						12/12/17 20:02		
d5-NEtFOSAA		88.9	70-130						12/12/17 20:02		



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Sample Extraction Data

Prep Method: EPA 537-EPA 537

Lab Number [Field ID]	Batch	Initial [mL]	Final [mL]	Date
17L0340-01 [Trip Blank]	B192943	250	1.00	12/11/17
17L0340-02 [296 Buck Pond-1]	B192943	250	1.00	12/11/17

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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 B192943 - EPA 537										
Blank (B192943-BLK1)										
Prepared: 12/11/17 Analyzed: 12/12/17										
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 (PFTTrDA)	ND	2.0	ng/L							
Perfluorotetradecanoic acid (PFTA)	ND	2.0	ng/L							
Surrogate: 13C-PFHxA	35.8		ng/L	40.0		89.5			70-130	
Surrogate: 13C-PFDA	29.2		ng/L	40.0		72.9			70-130	
Surrogate: d5-NEtFOSAA	135		ng/L	160		84.7			70-130	
LCS (B192943-BS1)										
Prepared: 12/11/17 Analyzed: 12/12/17										
Perfluorobutanesulfonic acid (PFBS)	3.27	2.0	ng/L	3.54		92.3			50-150	
Perfluorohexanoic acid (PFHxA)	2.62	2.0	ng/L	4.00		65.5			50-150	
Perfluoroheptanoic acid (PFHpA)	2.70	2.0	ng/L	4.00		67.6			50-150	
Perfluorohexanesulfonic acid (PFHxS)	3.94	2.0	ng/L	3.64		108			50-150	
Perfluorooctanoic acid (PFOA)	2.93	2.0	ng/L	4.00		73.3			50-150	
Perfluorooctanesulfonic acid (PFOS)	2.59	2.0	ng/L	3.70		70.0			50-150	
Perfluorononanoic acid (PFNA)	2.89	2.0	ng/L	4.00		72.2			50-150	
Perfluorodecanoic acid (PFDA)	2.22	2.0	ng/L	4.00		55.5			50-150	
NMeFOSAA	2.38	2.0	ng/L	4.00		59.5			50-150	
Perfluoroundecanoic acid (PFUnA)	2.44	2.0	ng/L	4.00		60.9			50-150	
NEtFOSAA	2.97	2.0	ng/L	4.00		74.3			50-150	
Perfluorododecanoic acid (PFDoA)	2.32	2.0	ng/L	4.00		58.1			50-150	
Perfluorotridecanoic acid (PFTTrDA)	2.09	2.0	ng/L	4.00		52.3			50-150	
Perfluorotetradecanoic acid (PFTA)	2.15	2.0	ng/L	4.00		53.7			50-150	
Surrogate: 13C-PFHxA	38.8		ng/L	40.0		97.1			70-130	
Surrogate: 13C-PFDA	28.1		ng/L	40.0		70.2			70-130	
Surrogate: d5-NEtFOSAA	143		ng/L	160		89.5			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
<i>EPA 537 in Drinking Water</i>	
Perfluorobutanesulfonic acid (PFBS)	VT-DW,ME,RI
Perfluorohexanoic acid (PFHxA)	VT-DW,ME,RI
Perfluoroheptanoic acid (PFHpA)	VT-DW,ME,RI
Perfluorohexanesulfonic acid (PFHxS)	VT-DW,ME,RI
Perfluorooctanoic acid (PFOA)	NH,NY,VT-DW,ME,RI
Perfluorooctanesulfonic acid (PFOS)	NH,NY,VT-DW,ME,RI
Perfluorononanoic acid (PFNA)	VT-DW,ME,RI
Perfluorodecanoic acid (PFDA)	VT-DW,ME,RI
NMeFOSAA	VT-DW,RI
Perfluoroundecanoic acid (PFUnA)	VT-DW,ME,RI
NEtFOSAA	VT-DW,RI
Perfluorododecanoic acid (PFDoA)	VT-DW,ME,RI
Perfluorotridecanoic acid (PFTriDA)	VT-DW,ME,RI
Perfluorotetradecanoic acid (PFTA)	VT-DW,ME,RI

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	LAO00112	12/30/2018
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



1770340
 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

Company Names: ATC Group Services Address: 73 William Franks Drive, West Springfield, MA Phone: (413) 781-0070		Requested Turnaround Time: 7-Day <input type="checkbox"/> 10-Day <input type="checkbox"/> Due Date: 5-day TAT		6 1 2 O N H P P V	
Project Names: 296 Buck Pond Rd, Westfield Project Location: 296 Buck Pond Rd, Westfield Project Number: 183EM00170 Project Manager: Rob Smith		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: <input checked="" type="checkbox"/> EXCEL <input type="checkbox"/>		ANALYSIS REQUESTED TOTAL AS, Fe, HARDNESS, TOC	
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 #:		Dissolved Metals Samples <input type="radio"/> Field Filtered <input type="radio"/> Lab to Filter	
Con-Test Work Order # Client Sample ID / Description Beginning Date/Time Ending Date/Time Matrix Code Composite Grab Matrix Code Conc Code		EPA METHOD 537 X X X X		Orthophosphate Samples <input type="radio"/> Field Filtered <input type="radio"/> Lab to Filter	
Trip blank 296 Buck Pond Rd - field blank 296 Buck Pond Rd - 1 296 Buck Pond Rd - 2		12/16/2017 10:15 12/17/2017 10:41 12/17/2017 10:56 12/17/2017 10:57		Matrix Codes: GW = Ground Water WW = Waste Water DW = Drinking Water A = Air S = Soil SL = Sludge SOL = Solid O = Other (please define)	
Requisitioned by: (signature) Received by: (signature) Requisitioned by: (signature)		Date/Time: 12/17 15:30 Date/Time: 12/17 15:30 Date/Time:		Preservation Codes: 1 = Iced H = HCL M = Methanol N = Nitric Acid S = Sulfuric Acid B = Sodium Bisulfate X = Sodium Hydroxide T = Sodium Thiosulfate O = Other (please define)	
Date/Time: 12/17 15:30 Date/Time: 12/17 15:30 Date/Time:		Detection Limit 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 #		Container Codes: A = Amber Glass G = Glass P = Plastic ST = Sterile V = Vial S = Summa Canister T = TediBag O = Other (please define)	
Date/Time: Date/Time: Date/Time:		Other: PWSID #		PCB ONLY <input type="checkbox"/> Soxhlet <input type="checkbox"/> Non Soxhlet	
Date/Time: Date/Time: 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		Other <input type="checkbox"/> Chromatogram <input type="checkbox"/> WRTA <input type="checkbox"/> AIFA-LAP, LLC	
Date/Time: Date/Time: Date/Time:		Comments: RUN EPA Method 537: Trip Blank and 296 Buck Pond Rd-1 EXTRACT & HOLD EPA Method 537: 296 Buck Pond Rd-field blank & 296 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	



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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 RLF Date 10/7/17 Time 1530
 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 # 557 Actual Temp - 4.6°C
 By Blank # _____ Actual Temp - _____
 Was Custody Seal Intact? NA Were Samples Tampered with? NA
 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? F 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

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	4	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:

samples received with pH 2



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December 14, 2017

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

Project Location: 296 Buck Pond Rd., Westfield
Client Job Number:
Project Number: 183EM00170
Laboratory Work Order Number: 17L0342

Enclosed are results of analyses for samples received by the laboratory on December 7, 2017. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

A handwritten signature in black ink that reads "Emily E. Snyder". The signature is written in a cursive, flowing style.

Emily E. Snyder
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: 12/14/2017

PURCHASE ORDER NUMBER:

PROJECT NUMBER: 183EM00170

ANALYTICAL SUMMARY

WORK ORDER NUMBER: 17L0342

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

PROJECT LOCATION: 296 Buck Pond Rd., Westfield

FIELD SAMPLE #	LAB ID:	MATRIX	SAMPLE DESCRIPTION	TEST	SUB LAB
296 Buck Pond Rd- field blank	17L0342-01	Drinking Water		EPA 537	
296 Buck Pond Rd- 2	17L0342-02	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: 296 Buck Pond Rd., Westfield

Sample Description:

Work Order: 17L0342

Date Received: 12/7/2017

Field Sample #: 296 Buck Pond Rd- field blank

Sampled: 12/7/2017 10:41

Sample ID: 17L0342-01

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	12/11/17	12/12/17 17:00	BLM
Perfluorohexanoic acid (PFHxA)	ND	2.0	2	ng/L	1		EPA 537	12/11/17	12/12/17 17:00	BLM
Perfluoroheptanoic acid (PFHpA)	ND	2.0	2	ng/L	1		EPA 537	12/11/17	12/12/17 17:00	BLM
Perfluorohexanesulfonic acid (PFHxS)	ND	2.0	2	ng/L	1		EPA 537	12/11/17	12/12/17 17:00	BLM
Perfluorooctanoic acid (PFOA)	ND	2.0	2	ng/L	1		EPA 537	12/11/17	12/12/17 17:00	BLM
Perfluorooctanesulfonic acid (PFOS)	ND	2.0	2	ng/L	1		EPA 537	12/11/17	12/12/17 17:00	BLM
Perfluorononanoic acid (PFNA)	ND	2.0	2	ng/L	1		EPA 537	12/11/17	12/12/17 17:00	BLM
Perfluorodecanoic acid (PFDA)	ND	2.0	2	ng/L	1		EPA 537	12/11/17	12/12/17 17:00	BLM
NMeFOSAA	ND	2.0		ng/L	1		EPA 537	12/11/17	12/12/17 17:00	BLM
Perfluoroundecanoic acid (PFUnA)	ND	2.0	2	ng/L	1		EPA 537	12/11/17	12/12/17 17:00	BLM
NEtFOSAA	ND	2.0		ng/L	1		EPA 537	12/11/17	12/12/17 17:00	BLM
Perfluorododecanoic acid (PFDoA)	ND	2.0	2	ng/L	1		EPA 537	12/11/17	12/12/17 17:00	BLM
Perfluorotridecanoic acid (PFTiDA)	ND	2.0	2	ng/L	1		EPA 537	12/11/17	12/12/17 17:00	BLM
Perfluorotetradecanoic acid (PFTA)	ND	2.0	2	ng/L	1		EPA 537	12/11/17	12/12/17 17:00	BLM
Surrogates		% Recovery	Recovery Limits			Flag/Qual				
13C-PFHxA		97.0	70-130					12/12/17	17:00	
13C-PFDA		70.1	70-130					12/12/17	17:00	
d5-NEtFOSAA		85.1	70-130					12/12/17	17:00	

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

Project Location: 296 Buck Pond Rd., Westfield

Sample Description:

Work Order: 17L0342

Date Received: 12/7/2017

Field Sample #: 296 Buck Pond Rd- 2

Sampled: 12/7/2017 10:57

Sample ID: 17L0342-02

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)	3.4	2.0	2	ng/L	1		EPA 537	12/11/17	12/12/17 20:15	BLM
Perfluorohexanoic acid (PFHxA)	ND	2.0	2	ng/L	1		EPA 537	12/11/17	12/12/17 20:15	BLM
Perfluoroheptanoic acid (PFHpA)	ND	2.0	2	ng/L	1		EPA 537	12/11/17	12/12/17 20:15	BLM
Perfluorohexanesulfonic acid (PFHxS)	ND	2.0	2	ng/L	1		EPA 537	12/11/17	12/12/17 20:15	BLM
Perfluorooctanoic acid (PFOA)	ND	2.0	2	ng/L	1		EPA 537	12/11/17	12/12/17 20:15	BLM
Perfluorooctanesulfonic acid (PFOS)	ND	2.0	2	ng/L	1		EPA 537	12/11/17	12/12/17 20:15	BLM
Perfluorononanoic acid (PFNA)	ND	2.0	2	ng/L	1		EPA 537	12/11/17	12/12/17 20:15	BLM
Perfluorodecanoic acid (PFDA)	ND	2.0	2	ng/L	1		EPA 537	12/11/17	12/12/17 20:15	BLM
NMeFOSAA	ND	2.0		ng/L	1		EPA 537	12/11/17	12/12/17 20:15	BLM
Perfluoroundecanoic acid (PFUnA)	ND	2.0	2	ng/L	1		EPA 537	12/11/17	12/12/17 20:15	BLM
NEtFOSAA	ND	2.0		ng/L	1		EPA 537	12/11/17	12/12/17 20:15	BLM
Perfluorododecanoic acid (PFDoA)	ND	2.0	2	ng/L	1		EPA 537	12/11/17	12/12/17 20:15	BLM
Perfluorotridecanoic acid (PFTrDA)	ND	2.0	2	ng/L	1		EPA 537	12/11/17	12/12/17 20:15	BLM
Perfluorotetradecanoic acid (PFTA)	ND	2.0	2	ng/L	1		EPA 537	12/11/17	12/12/17 20:15	BLM
Surrogates		% Recovery	Recovery Limits			Flag/Qual				
13C-PFHxA		122	70-130					12/12/17	20:15	
13C-PFDA		90.1	70-130					12/12/17	20:15	
d5-NEtFOSAA		92.2	70-130					12/12/17	20:15	



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Sample Extraction Data

Prep Method: EPA 537-EPA 537

Lab Number [Field ID]	Batch	Initial [mL]	Final [mL]	Date
17L0342-01 [296 Buck Pond Rd- field blank]	B192943	250	1.00	12/11/17
17L0342-02 [296 Buck Pond Rd- 2]	B192943	250	1.00	12/11/17

QUALITY CONTROL

Miscellaneous Organic Analyses - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B192943 - EPA 537										
Blank (B192943-BLK1)										
Prepared: 12/11/17 Analyzed: 12/12/17										
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 (PFTTrDA)	ND	2.0	ng/L							
Perfluorotetradecanoic acid (PFTA)	ND	2.0	ng/L							
Surrogate: 13C-PFHxA	35.8		ng/L	40.0		89.5	70-130			
Surrogate: 13C-PFDA	29.2		ng/L	40.0		72.9	70-130			
Surrogate: d5-NEtFOSAA	135		ng/L	160		84.7	70-130			
LCS (B192943-BS1)										
Prepared: 12/11/17 Analyzed: 12/12/17										
Perfluorobutanesulfonic acid (PFBS)	3.27	2.0	ng/L	3.54		92.3	50-150			
Perfluorohexanoic acid (PFHxA)	2.62	2.0	ng/L	4.00		65.5	50-150			
Perfluoroheptanoic acid (PFHpA)	2.70	2.0	ng/L	4.00		67.6	50-150			
Perfluorohexanesulfonic acid (PFHxS)	3.94	2.0	ng/L	3.64		108	50-150			
Perfluorooctanoic acid (PFOA)	2.93	2.0	ng/L	4.00		73.3	50-150			
Perfluorooctanesulfonic acid (PFOS)	2.59	2.0	ng/L	3.70		70.0	50-150			
Perfluorononanoic acid (PFNA)	2.89	2.0	ng/L	4.00		72.2	50-150			
Perfluorodecanoic acid (PFDA)	2.22	2.0	ng/L	4.00		55.5	50-150			
NMeFOSAA	2.38	2.0	ng/L	4.00		59.5	50-150			
Perfluoroundecanoic acid (PFUnA)	2.44	2.0	ng/L	4.00		60.9	50-150			
NEtFOSAA	2.97	2.0	ng/L	4.00		74.3	50-150			
Perfluorododecanoic acid (PFDoA)	2.32	2.0	ng/L	4.00		58.1	50-150			
Perfluorotridecanoic acid (PFTTrDA)	2.09	2.0	ng/L	4.00		52.3	50-150			
Perfluorotetradecanoic acid (PFTA)	2.15	2.0	ng/L	4.00		53.7	50-150			
Surrogate: 13C-PFHxA	38.8		ng/L	40.0		97.1	70-130			
Surrogate: 13C-PFDA	28.1		ng/L	40.0		70.2	70-130			
Surrogate: d5-NEtFOSAA	143		ng/L	160		89.5	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
<i>EPA 537 in Drinking Water</i>	
Perfluorobutanesulfonic acid (PFBS)	VT-DW,ME,RI
Perfluorohexanoic acid (PFHxA)	VT-DW,ME,RI
Perfluoroheptanoic acid (PFHpA)	VT-DW,ME,RI
Perfluorohexanesulfonic acid (PFHxS)	VT-DW,ME,RI
Perfluorooctanoic acid (PFOA)	NH,NY,VT-DW,ME,RI
Perfluorooctanesulfonic acid (PFOS)	NH,NY,VT-DW,ME,RI
Perfluorononanoic acid (PFNA)	VT-DW,ME,RI
Perfluorodecanoic acid (PFDA)	VT-DW,ME,RI
NMeFOSAA	VT-DW,RI
Perfluoroundecanoic acid (PFUnA)	VT-DW,ME,RI
NEFOSAA	VT-DW,RI
Perfluorododecanoic acid (PFDoA)	VT-DW,ME,RI
Perfluorotridecanoic acid (PFTriDA)	VT-DW,ME,RI
Perfluorotetradecanoic acid (PFTA)	VT-DW,ME,RI

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	LAO00112	12/30/2018
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

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

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

ATC Group Services

Company Name: 73 William Franks Drive, West Springfield, MA

Address: (413) 781-0070

Project Name: 296 Buck Pond Rd, Westfield

Project Location: 296 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	Resubmission Date	Compositing	Matrix Code	Conc Code
ET	Trip blank	12/6/2017			
SO1	296 Buck Pond Rd - field blank	12/7/2017	X	DW	U
COB	296 Buck Pond Rd - 1	12/7/2017	X	DW	U
	296 Buck Pond Rd - 2	12/7/2017	X	DW	U

Comments: RUN EPA Method 537: Trip Blank and 296 Buck Pond Rd-1
 EXTRACT & HOLD EPA Method 537: 296 Buck Pond Rd-field blank & 296 Buck Pond Rd-2
 HOLD As, Fe, Hardness, TOC

Relinquished by: (signature) Date/Time: 12/17/17 15:30
 Received by: (signature) Date/Time: 12/17/17 15:30
 Relinquished by: (signature) Date/Time: 12/17/17 15:30

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

Project Entity: Municipality WRTA Other
 Government MBTA
 Federal School
 City Brownfield MBTA

6	1	2	3	4	5	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80	81	82	83	84	85	86	87	88	89	90	91	92	93	94	95	96	97	98	99	100
ANALYSIS REQUESTED																																																																																																			
TOTAL As, Fe, HARDNESS, TOC																																																																																																			
EPA METHOD 537																																																																																																			

of Containers: 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50 51 52 53 54 55 56 57 58 59 60 61 62 63 64 65 66 67 68 69 70 71 72 73 74 75 76 77 78 79 80 81 82 83 84 85 86 87 88 89 90 91 92 93 94 95 96 97 98 99 100

Preservation Code: 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50 51 52 53 54 55 56 57 58 59 60 61 62 63 64 65 66 67 68 69 70 71 72 73 74 75 76 77 78 79 80 81 82 83 84 85 86 87 88 89 90 91 92 93 94 95 96 97 98 99 100

Container Code: 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50 51 52 53 54 55 56 57 58 59 60 61 62 63 64 65 66 67 68 69 70 71 72 73 74 75 76 77 78 79 80 81 82 83 84 85 86 87 88 89 90 91 92 93 94 95 96 97 98 99 100

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: 1 - Iced, H - HCL, M - Methanol, N - Nitric Acid, S - Sulfuric Acid, B - Sodium Bisulfate, X - Sodium Hydroxide, T - Sodium Thiosulfate, O - Other (please define), TRZAM

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

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 10/7/17 Time 1530
 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 # 557 Actual Temp - 4.6°C
 By Blank # _____ Actual Temp - _____
 Was Custody Seal Intact? NA Were Samples Tampered with? NA
 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? F On COC? NA
 Do all samples have the proper pH? Acid NA 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

January 3, 2018

James & Rose Oleksak
31 Schumann Drive
Westfield, MA 01085

RE: Notice of Environmental Sampling
31 Schumann Drive
Westfield Private Well Sampling

Dear Mr. & Mrs. Oleksak:

The Department of Environmental Protection (DEP) collected a drinking water sample from your private well on December 7, 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 (resample) indicated a total PFOA and PFOS concentration of 18.5 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 and is consistent with the November sampling results. Based on this data and the November 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.

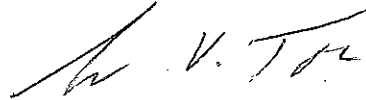
This information is available in alternate format. Contact Michelle Waters-Ekanem, Director of Diversity/Civil Rights at 617-292-5751.

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

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: 01080

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

1. Name: James and Rose Oleksak
2. Street Address: 31 Schumann Drive
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: 31 Schumann Drive
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 at the above-referenced property and analyzed for PFAS via EPA Method 537.1.1.

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

Contact Name: MA Department of Environmental Protection
Street Address: 436 Dwight Street
City/Town: Springfield, MA Zip Code: 01103
Telephone: (413) 784-1100 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

December 14, 2017

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

Project Location: 31 Schumann Dr., Westfield
Client Job Number:
Project Number: 183EM00170
Laboratory Work Order Number: 17L0339

Enclosed are results of analyses for samples received by the laboratory on December 7, 2017. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

A handwritten signature in black ink that reads "Emily E. Snyder". The signature is written in a cursive style with a large, prominent "E" at the beginning.

Emily E. Snyder
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: 12/14/2017

PURCHASE ORDER NUMBER:

PROJECT NUMBER: 183EM00170

ANALYTICAL SUMMARY

WORK ORDER NUMBER: 17L0339

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

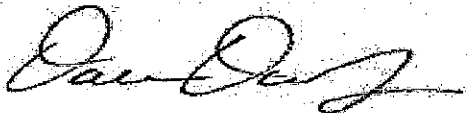
PROJECT LOCATION: 31 Schumann Dr., Westfield

FIELD SAMPLE #	LAB ID:	MATRIX	SAMPLE DESCRIPTION	TEST	SUB LAB
31 Schumann Dr-3	17L0339-01	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 "Daren J. Damboragian", is written over a light gray grid background.

Daren J. Damboragian
Director of Operations



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

Project Location: 31 Schumann Dr., Westfield

Sample Description:

Work Order: 17L0339

Date Received: 12/7/2017

Field Sample #: 31 Schumann Dr-3

Sampled: 12/7/2017 11:33

Sample ID: 17L0339-01

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)	6.1	2.0	2		ng/L	1	EPA 537	12/11/17	12/12/17 19:49	BLM	
# Perfluorohexanoic acid (PFHxA)	13	2.0	2		ng/L	1	EPA 537	12/11/17	12/12/17 19:49	BLM	
# Perfluoroheptanoic acid (PFHpA)	4.1	2.0	2		ng/L	1	EPA 537	12/11/17	12/12/17 19:49	BLM	
# Perfluorohexanesulfonic acid (PFHxS)	2.6	2.0	2		ng/L	1	EPA 537	12/11/17	12/12/17 19:49	BLM	
# Perfluorooctanoic acid (PFOA)	10	2.0	2		ng/L	1	EPA 537	12/11/17	12/12/17 19:49	BLM	
# Perfluorooctanesulfonic acid (PFOS)	8.5	2.0	2		ng/L	1	EPA 537	12/11/17	12/12/17 19:49	BLM	
Perfluorononanoic acid (PFNA)	ND	2.0	2		ng/L	1	EPA 537	12/11/17	12/12/17 19:49	BLM	
Perfluorodecanoic acid (PFDA)	ND	2.0	2		ng/L	1	EPA 537	12/11/17	12/12/17 19:49	BLM	
NMeFOSAA	ND	2.0			ng/L	1	EPA 537	12/11/17	12/12/17 19:49	BLM	
Perfluoroundecanoic acid (PFUnA)	ND	2.0	2		ng/L	1	EPA 537	12/11/17	12/12/17 19:49	BLM	
NEtFOSAA	ND	2.0			ng/L	1	EPA 537	12/11/17	12/12/17 19:49	BLM	
Perfluorododecanoic acid (PFDoA)	ND	2.0	2		ng/L	1	EPA 537	12/11/17	12/12/17 19:49	BLM	
Perfluorotridecanoic acid (PFTxDA)	ND	2.0	2		ng/L	1	EPA 537	12/11/17	12/12/17 19:49	BLM	
Perfluorotetradecanoic acid (PFTA)	ND	2.0	2		ng/L	1	EPA 537	12/11/17	12/12/17 19:49	BLM	
Surrogates		% Recovery	Recovery Limits		Flag/Qual						
13C-PFHxA		123	70-130						12/12/17 19:49		
13C-PFDA		87.4	70-130						12/12/17 19:49		
d5-NEtFOSAA		111	70-130						12/12/17 19:49		



39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-8405 * TEL. 413/525-2332

Sample Extraction Data

Prep Method: EPA 537-EPA 537

Lab Number [Field ID]	Batch	Initial [mL]	Final [mL]	Date
17L0339-01 [31 Schumann Dr-3]	B192943	250	1.00	12/11/17

QUALITY CONTROL

Miscellaneous Organic Analyses - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B192943 - EPA 537										
Blank (B192943-BLK1)										
Prepared: 12/11/17 Analyzed: 12/12/17										
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 (PFTTrDA)	ND	2.0	ng/L							
Perfluorotetradecanoic acid (PFTA)	ND	2.0	ng/L							
Surrogate: 13C-PFHxA	35.8		ng/L	40.0		89.5	70-130			
Surrogate: 13C-PFDA	29.2		ng/L	40.0		72.9	70-130			
Surrogate: d5-NEtFOSAA	135		ng/L	160		84.7	70-130			
LCS (B192943-BS1)										
Prepared: 12/11/17 Analyzed: 12/12/17										
Perfluorobutanesulfonic acid (PFBS)	3.27	2.0	ng/L	3.54		92.3	50-150			
Perfluorohexanoic acid (PFHxA)	2.62	2.0	ng/L	4.00		65.5	50-150			
Perfluoroheptanoic acid (PFHpA)	2.70	2.0	ng/L	4.00		67.6	50-150			
Perfluorohexanesulfonic acid (PFHxS)	3.94	2.0	ng/L	3.64		108	50-150			
Perfluorooctanoic acid (PFOA)	2.93	2.0	ng/L	4.00		73.3	50-150			
Perfluorooctanesulfonic acid (PFOS)	2.59	2.0	ng/L	3.70		70.0	50-150			
Perfluorononanoic acid (PFNA)	2.89	2.0	ng/L	4.00		72.2	50-150			
Perfluorodecanoic acid (PFDA)	2.22	2.0	ng/L	4.00		55.5	50-150			
NMeFOSAA	2.38	2.0	ng/L	4.00		59.5	50-150			
Perfluoroundecanoic acid (PFUnA)	2.44	2.0	ng/L	4.00		60.9	50-150			
NEtFOSAA	2.97	2.0	ng/L	4.00		74.3	50-150			
Perfluorododecanoic acid (PFDoA)	2.32	2.0	ng/L	4.00		58.1	50-150			
Perfluorotridecanoic acid (PFTTrDA)	2.09	2.0	ng/L	4.00		52.3	50-150			
Perfluorotetradecanoic acid (PFTA)	2.15	2.0	ng/L	4.00		53.7	50-150			
Surrogate: 13C-PFHxA	38.8		ng/L	40.0		97.1	70-130			
Surrogate: 13C-PFDA	28.1		ng/L	40.0		70.2	70-130			
Surrogate: d5-NEtFOSAA	143		ng/L	160		89.5	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
<i>EPA 537 in Drinking Water</i>	
Perfluorobutanesulfonic acid (PFBS)	VT-DW,ME,RI
Perfluorohexanoic acid (PFHxA)	VT-DW,ME,RI
Perfluoroheptanoic acid (PFHpA)	VT-DW,ME,RI
Perfluorohexanesulfonic acid (PFHxS)	VT-DW,ME,RI
Perfluorooctanoic acid (PFOA)	NH,NY,VT-DW,ME,RI
Perfluorooctanesulfonic acid (PFOS)	NH,NY,VT-DW,ME,RI
Perfluorononanoic acid (PFNA)	VT-DW,ME,RI
Perfluorodecanoic acid (PFDA)	VT-DW,ME,RI
NMeFOSAA	VT-DW,RI
Perfluoroundecanoic acid (PFUnA)	VT-DW,ME,RI
NEFOSAA	VT-DW,RI
Perfluorododecanoic acid (PFDoA)	VT-DW,ME,RI
Perfluorotridecanoic acid (PFTrDA)	VT-DW,ME,RI
Perfluorotetradecanoic acid (PFTA)	VT-DW,ME,RI

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	LAO00112	12/30/2018
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

17L03339

Phone: 413-525-4332
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: 31 Schumann Dr, Westfield
Project Location: 31 Schumann Dr, 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
	31 Schumann Dr - field blank	12/7/2017	11:21		X	DW	U
	31 Schumann Dr - 3	12/7/2017	11:33		X	DW	U
	31 Schumann Dr - 4	12/7/2017	11:34		X	DW	U

Comments:
 RUN EPA Method 537: 31 Schumann Dr-3
 EXTRACT & HOLD EPA Method 537: 31 Schumann Dr-field blank & 31 Schumann Dr-4
 HOLD As, Fe, Hardness, TOC

Relinquished by: (signature) [Signature] Date/Time: 12/17/17 15:30
Received by: (signature) [Signature] Date/Time: 12/17/17 15:30
Relinquished by: (signature) [Signature] Date/Time: 12/17/17 15:30
Received by: (signature) [Signature] Date/Time: 12/17/17 15:30
Relinquished by: (signature) [Signature] Date/Time: 12/17/17 15:30

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

Detection Limit Requirements:
 MA
 CT

Other:
 PWSID #

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

P&CB 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 RIF Date 12/7/17 Time 1530
 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 # 557 Actual Temp - 4.2°C
 By Blank # _____ Actual Temp - _____
 Was Custody Seal Intact? NA Were Samples Tampered with? NA
 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? F MS/MSD? NA
 Proper Media/Containers Used? T Is splitting samples required? F
 Were trip blanks received? F On COC? NA
 Do all samples have the proper pH? Acid T Base NA

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:

samples received with pH 2.



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December 14, 2017

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

Project Location: 31 Schumann Dr., Westfield
Client Job Number:
Project Number: 183EM00170
Laboratory Work Order Number: 17L0343

Enclosed are results of analyses for samples received by the laboratory on December 7, 2017. If you have any questions concerning this report, please feel free to contact me.

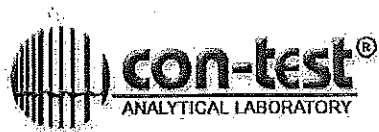
Sincerely,

A handwritten signature in black ink that reads "Emily E. Snyder". The signature is written in a cursive, flowing style.

Emily E. Snyder
Project Manager

Table of Contents

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

REPORT DATE: 12/14/2017

PURCHASE ORDER NUMBER:

PROJECT NUMBER: 183EM00170

ANALYTICAL SUMMARY

WORK ORDER NUMBER: 17L0343

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

PROJECT LOCATION: 31 Schumann Dr., Westfield

FIELD SAMPLE #	LAB ID:	MATRIX	SAMPLE DESCRIPTION	TEST	SUB LAB
31 Schumann Dr- field blank	17L0343-01	Drinking Water		EPA 537	
31 Schumann Dr- 4	17L0343-02	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", is written over a light gray grid background.

Daren J. Damboragian
Director of Operations



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

Project Location: 31 Schumann Dr., Westfield

Sample Description:

Work Order: 17L0343

Date Received: 12/7/2017

Field Sample #: 31 Schumann Dr- field blank

Sampled: 12/7/2017 11:21

Sample ID: 17L0343-01

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	12/11/17	12/12/17 17:26	BLM
Perfluorohexanoic acid (PFHxA)	ND	2.0	2	ng/L	1		EPA 537	12/11/17	12/12/17 17:26	BLM
Perfluoroheptanoic acid (PFHpA)	ND	2.0	2	ng/L	1		EPA 537	12/11/17	12/12/17 17:26	BLM
Perfluorohexanesulfonic acid (PFHxS)	ND	2.0	2	ng/L	1		EPA 537	12/11/17	12/12/17 17:26	BLM
Perfluorooctanoic acid (PFOA)	ND	2.0	2	ng/L	1		EPA 537	12/11/17	12/12/17 17:26	BLM
Perfluorooctanesulfonic acid (PFOS)	ND	2.0	2	ng/L	1		EPA 537	12/11/17	12/12/17 17:26	BLM
Perfluorononanoic acid (PFNA)	ND	2.0	2	ng/L	1		EPA 537	12/11/17	12/12/17 17:26	BLM
Perfluorodecanoic acid (PFDA)	ND	2.0	2	ng/L	1		EPA 537	12/11/17	12/12/17 17:26	BLM
NMeFOSAA	ND	2.0		ng/L	1		EPA 537	12/11/17	12/12/17 17:26	BLM
Perfluoroundecanoic acid (PFUnA)	ND	2.0	2	ng/L	1		EPA 537	12/11/17	12/12/17 17:26	BLM
NEtFOSAA	ND	2.0		ng/L	1		EPA 537	12/11/17	12/12/17 17:26	BLM
Perfluorododecanoic acid (PFDoA)	ND	2.0	2	ng/L	1		EPA 537	12/11/17	12/12/17 17:26	BLM
Perfluorotridecanoic acid (PFTxDA)	ND	2.0	2	ng/L	1		EPA 537	12/11/17	12/12/17 17:26	BLM
Perfluorotetradecanoic acid (PFTA)	ND	2.0	2	ng/L	1		EPA 537	12/11/17	12/12/17 17:26	BLM

Surrogates	% Recovery	Recovery Limits	Flag/Qual
13C-PFHxA	96.1	70-130	12/12/17 17:26
13C-PFDA	70.5	70-130	12/12/17 17:26
d5-NEtFOSAA	92.0	70-130	12/12/17 17:26

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Project Location: 31 Schumann Dr., Westfield

Sample Description:

Work Order: 17L0343

Date Received: 12/7/2017

Field Sample #: 31 Schumann Dr- 4

Sampled: 12/7/2017 11:34

Sample ID: 17L0343-02

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)	6.3	2.0	2	ng/L	1		EPA 537	12/11/17	12/12/17 17:39	BLM
# Perfluorohexanoic acid (PFHxA)	15	2.0	2	ng/L	1		EPA 537	12/11/17	12/12/17 17:39	BLM
# Perfluoroheptanoic acid (PFHpA)	4.4	2.0	2	ng/L	1		EPA 537	12/11/17	12/12/17 17:39	BLM
# Perfluorohexanesulfonic acid (PFHxS)	2.2	2.0	2	ng/L	1		EPA 537	12/11/17	12/12/17 17:39	BLM
# Perfluorooctanoic acid (PFOA)	11	2.0	2	ng/L	1		EPA 537	12/11/17	12/12/17 17:39	BLM
# Perfluorooctanesulfonic acid (PFOS)	8.9	2.0	2	ng/L	1		EPA 537	12/11/17	12/12/17 17:39	BLM
Perfluorononanoic acid (PFNA)	ND	2.0	2	ng/L	1		EPA 537	12/11/17	12/12/17 17:39	BLM
Perfluorodecanoic acid (PFDA)	ND	2.0	2	ng/L	1		EPA 537	12/11/17	12/12/17 17:39	BLM
NMeFOSAA	ND	2.0		ng/L	1		EPA 537	12/11/17	12/12/17 17:39	BLM
Perfluoroundecanoic acid (PFUnA)	ND	2.0	2	ng/L	1		EPA 537	12/11/17	12/12/17 17:39	BLM
NEtFOSAA	ND	2.0		ng/L	1		EPA 537	12/11/17	12/12/17 17:39	BLM
Perfluorododecanoic acid (PFDoA)	ND	2.0	2	ng/L	1		EPA 537	12/11/17	12/12/17 17:39	BLM
Perfluorotridecanoic acid (PFTriDA)	ND	2.0	2	ng/L	1		EPA 537	12/11/17	12/12/17 17:39	BLM
Perfluorotetradecanoic acid (PFTA)	ND	2.0	2	ng/L	1		EPA 537	12/11/17	12/12/17 17:39	BLM
Surrogates		% Recovery	Recovery Limits			Flag/Qual				
13C-PFHxA		105	70-130						12/12/17 17:39	
13C-PFDA		70.7	70-130						12/12/17 17:39	
d5-NEtFOSAA		88.0	70-130						12/12/17 17:39	

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Sample Extraction Data

Prep Method: EPA 537-EPA 537

Lab Number [Field ID]	Batch	Initial [mL]	Final [mL]	Date
17L0343-01 [31 Schumann Dr- field blank]	B192943	250	1.00	12/11/17
17L0343-02 [31 Schumann Dr- 4]	B192943	250	1.00	12/11/17

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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 B192943 - EPA 537										
Blank (B192943-BLK1) Prepared: 12/11/17 Analyzed: 12/12/17										
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	35.8		ng/L	40.0		89.5	70-130			
Surrogate: 13C-PFDA	29.2		ng/L	40.0		72.9	70-130			
Surrogate: d5-NEtFOSAA	135		ng/L	160		84.7	70-130			
LCS (B192943-BS1) Prepared: 12/11/17 Analyzed: 12/12/17										
Perfluorobutanesulfonic acid (PFBS)	3.27	2.0	ng/L	3.54		92.3	50-150			
Perfluorohexanoic acid (PFHxA)	2.62	2.0	ng/L	4.00		65.5	50-150			
Perfluoroheptanoic acid (PFHpA)	2.70	2.0	ng/L	4.00		67.6	50-150			
Perfluorohexanesulfonic acid (PFHxS)	3.94	2.0	ng/L	3.64		108	50-150			
Perfluorooctanoic acid (PFOA)	2.93	2.0	ng/L	4.00		73.3	50-150			
Perfluorooctanesulfonic acid (PFOS)	2.59	2.0	ng/L	3.70		70.0	50-150			
Perfluorononanoic acid (PFNA)	2.89	2.0	ng/L	4.00		72.2	50-150			
Perfluorodecanoic acid (PFDA)	2.22	2.0	ng/L	4.00		55.5	50-150			
NMeFOSAA	2.38	2.0	ng/L	4.00		59.5	50-150			
Perfluoroundecanoic acid (PFUnA)	2.44	2.0	ng/L	4.00		60.9	50-150			
NEtFOSAA	2.97	2.0	ng/L	4.00		74.3	50-150			
Perfluorododecanoic acid (PFDoA)	2.32	2.0	ng/L	4.00		58.1	50-150			
Perfluorotridecanoic acid (PFTriDA)	2.09	2.0	ng/L	4.00		52.3	50-150			
Perfluorotetradecanoic acid (PFTA)	2.15	2.0	ng/L	4.00		53.7	50-150			
Surrogate: 13C-PFHxA	38.8		ng/L	40.0		97.1	70-130			
Surrogate: 13C-PFDA	28.1		ng/L	40.0		70.2	70-130			
Surrogate: d5-NEtFOSAA	143		ng/L	160		89.5	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
<i>EPA 537 in Drinking Water</i>	
Perfluorobutanesulfonic acid (PFBS)	VT-DW,ME,RI
Perfluorohexanoic acid (PFHxA)	VT-DW,ME,RI
Perfluoroheptanoic acid (PFHpA)	VT-DW,ME,RI
Perfluorohexanesulfonic acid (PFHxS)	VT-DW,ME,RI
Perfluorooctanoic acid (PFOA)	NH,NY,VT-DW,ME,RI
Perfluorooctanesulfonic acid (PFOS)	NH,NY,VT-DW,ME,RI
Perfluorononanoic acid (PFNA)	VT-DW,ME,RI
Perfluorodecanoic acid (PFDA)	VT-DW,ME,RI
NMeFOSAA	VT-DW,RI
Perfluoroundecanoic acid (PFUnA)	VT-DW,ME,RI
NEFOSAA	VT-DW,RI
Perfluorododecanoic acid (PFDoA)	VT-DW,ME,RI
Perfluorotridecanoic acid (PFTrDA)	VT-DW,ME,RI
Perfluorotetradecanoic acid (PFTA)	VT-DW,ME,RI

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	LAO00112	12/30/2018
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

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

Page 1 of 1

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

Phone: 413-525-4332
 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: 31 Schumann Dr, Westfield
Project Location: 31 Schumann Dr, 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 #:

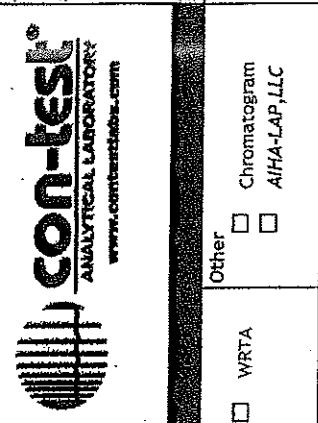
5	1	2	# of Containers
O	N	H	Preservation Code
P	P	V	Container Code
ANALYSIS REQUESTED			
TOTAL AS, Fe, HARDNESS, TOC			
EPA METHOD 537			

Client Sample #	Description	Beginning Date	Ending Date	Matrix Code	Pres Code	Gov. Code
01	31 Schumann Dr - field blank	12/17/2017	11:21	DW	U	
02	31 Schumann Dr - 3	12/17/2017	11:33	DW	U	
	31 Schumann Dr - 4	12/17/2017	11:34	DW	U	

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: 31 Schumann Dr-3
 EXTRACT & HOLD EPA Method 537: 31 Schumann Dr-field blank & 31 Schumann Dr-4
 HOLD AS, Fe, Hardness, TOC

Relinquished by: (signature) Date/Time: 12/17 15:30
Received by: (signature) Date/Time: 12/17 15:30
Relinquished by: (signature) Date/Time: 4:30
Received by: (signature) Date/Time: 4:30



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

Special Requirements:
 MA MCP Required
 MA State DW Required

PWSID #:

Project Entity:
 Government Municipality MWRA
 Federal 21 J School
 City Brownfield MBTA
 WRTA Chromatogram
 AIFA-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 RLF Date 10/2/17 Time 1530
 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 # 557 Actual Temp - _____
 By Blank # _____ Actual Temp - _____
 Was Custody Seal Intact? NA Were Samples Tampered with? NA
 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? NAF On COC? NA
 Do all samples have the proper pH? Acid NA 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

January 3, 2018

Adam Sharon and Allanna Wysocki
1830 East Mountain Road
Westfield, MA 01085

RE: Notice of Environmental Sampling
1830 East Mountain Road
Westfield Private Well Sampling

Dear Mr. Sharon & Ms. Wysocki:

The Department of Environmental Protection (DEP) collected a drinking water sample from your private well on December 7, 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 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



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

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: 01080

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

1. Name: Adam Sharon & Allanna Wysocki
2. Street Address: 1830 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: 1830 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 at the above-referenced property and analyzed for PFAS via EPA Method 537.1.1.

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

Contact Name: MA Department of Environmental Protection
Street Address: 436 Dwight Street
City/Town: Springfield, MA Zip Code: 01103
Telephone: (413) 784-1100 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

December 14, 2017

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

Project Location: 1830 East Mountain Rd., Westfield, MA
Client Job Number:
Project Number: 183EM00170
Laboratory Work Order Number: 17L0338

Enclosed are results of analyses for samples received by the laboratory on December 7, 2017. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

A handwritten signature in black ink that reads "Emily E. Snyder". The signature is written in a cursive, flowing style.

Emily E. Snyder
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: 12/14/2017

PURCHASE ORDER NUMBER:

PROJECT NUMBER: 183EM00170

ANALYTICAL SUMMARY

WORK ORDER NUMBER: 17L0338

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

PROJECT LOCATION: 1830 East Mountain Rd., Westfield, MA

FIELD SAMPLE #	LAB ID:	MATRIX	SAMPLE DESCRIPTION	TEST	SUB LAB
1830 East Mountain Rd-1	17L0338-01	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.



Daren J. Damboragian
Director of Operations



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

Project Location: 1830 East Mountain Rd., Westfie

Sample Description:

Work Order: 17L0338

Date Received: 12/7/2017

Field Sample #: 1830 East Mountain Rd-1

Sampled: 12/7/2017 12:08

Sample ID: 17L0338-01

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	12/11/17	12/12/17 19:37	BLM
Perfluorohexanoic acid (PFHxA)	ND	2.0	2	ng/L	1		EPA 537	12/11/17	12/12/17 19:37	BLM
Perfluoroheptanoic acid (PFHpA)	ND	2.0	2	ng/L	1		EPA 537	12/11/17	12/12/17 19:37	BLM
Perfluorohexanesulfonic acid (PFHxS)	ND	2.0	2	ng/L	1		EPA 537	12/11/17	12/12/17 19:37	BLM
Perfluorooctanoic acid (PFOA)	ND	2.0	2	ng/L	1		EPA 537	12/11/17	12/12/17 19:37	BLM
Perfluorooctanesulfonic acid (PFOS)	ND	2.0	2	ng/L	1		EPA 537	12/11/17	12/12/17 19:37	BLM
Perfluorononanoic acid (PFNA)	ND	2.0	2	ng/L	1		EPA 537	12/11/17	12/12/17 19:37	BLM
Perfluorodecanoic acid (PFDA)	ND	2.0	2	ng/L	1		EPA 537	12/11/17	12/12/17 19:37	BLM
NMeFOSAA	ND	2.0		ng/L	1		EPA 537	12/11/17	12/12/17 19:37	BLM
Perfluoroundecanoic acid (PFUnA)	ND	2.0	2	ng/L	1		EPA 537	12/11/17	12/12/17 19:37	BLM
NEtFOSAA	ND	2.0		ng/L	1		EPA 537	12/11/17	12/12/17 19:37	BLM
Perfluorododecanoic acid (PFDoA)	ND	2.0	2	ng/L	1		EPA 537	12/11/17	12/12/17 19:37	BLM
Perfluorotridecanoic acid (PFTriDA)	ND	2.0	2	ng/L	1		EPA 537	12/11/17	12/12/17 19:37	BLM
Perfluorotetradecanoic acid (PFTA)	ND	2.0	2	ng/L	1		EPA 537	12/11/17	12/12/17 19:37	BLM
Surrogates		% Recovery	Recovery Limits			Flag/Qual				
13C-PFHxA		130	70-130					12/12/17	19:37	
13C-PFDA		105	70-130					12/12/17	19:37	
d5-NEtFOSAA		123	70-130					12/12/17	19:37	



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Sample Extraction Data

Prep Method: EPA 537-EPA 537

Lab Number [Field ID]	Batch	Initial [mL]	Final [mL]	Date
17L0338-01 [1830 East Mountain Rd-1]	B192943	250	1.00	12/11/17

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 B192943 - EPA 537										
Blank (B192943-BLK1)										
Prepared: 12/11/17 Analyzed: 12/12/17										
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	35.8		ng/L	40.0		89.5	70-130			
Surrogate: 13C-PFDA	29.2		ng/L	40.0		72.9	70-130			
Surrogate: d5-NEtFOSAA	135		ng/L	160		84.7	70-130			
LCS (B192943-BS1)										
Prepared: 12/11/17 Analyzed: 12/12/17										
Perfluorobutanesulfonic acid (PFBS)	3.27	2.0	ng/L	3.54		92.3	50-150			
Perfluorohexanoic acid (PFHxA)	2.62	2.0	ng/L	4.00		65.5	50-150			
Perfluoroheptanoic acid (PFHpA)	2.70	2.0	ng/L	4.00		67.6	50-150			
Perfluorohexanesulfonic acid (PFHxS)	3.94	2.0	ng/L	3.64		108	50-150			
Perfluorooctanoic acid (PFOA)	2.93	2.0	ng/L	4.00		73.3	50-150			
Perfluorooctanesulfonic acid (PFOS)	2.59	2.0	ng/L	3.70		70.0	50-150			
Perfluorononanoic acid (PFNA)	2.89	2.0	ng/L	4.00		72.2	50-150			
Perfluorodecanoic acid (PFDA)	2.22	2.0	ng/L	4.00		55.5	50-150			
NMeFOSAA	2.38	2.0	ng/L	4.00		59.5	50-150			
Perfluoroundecanoic acid (PFUnA)	2.44	2.0	ng/L	4.00		60.9	50-150			
NEtFOSAA	2.97	2.0	ng/L	4.00		74.3	50-150			
Perfluorododecanoic acid (PFDoA)	2.32	2.0	ng/L	4.00		58.1	50-150			
Perfluorotridecanoic acid (PFTriDA)	2.09	2.0	ng/L	4.00		52.3	50-150			
Perfluorotetradecanoic acid (PFTA)	2.15	2.0	ng/L	4.00		53.7	50-150			
Surrogate: 13C-PFHxA	38.8		ng/L	40.0		97.1	70-130			
Surrogate: 13C-PFDA	28.1		ng/L	40.0		70.2	70-130			
Surrogate: d5-NEtFOSAA	143		ng/L	160		89.5	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
<i>EPA 537 in Drinking Water</i>	
Perfluorobutanesulfonic acid (PFBS)	VT-DW,ME,RI
Perfluorohexanoic acid (PFHxA)	VT-DW,ME,RI
Perfluoroheptanoic acid (PFHpA)	VT-DW,ME,RI
Perfluorohexanesulfonic acid (PFHxS)	VT-DW,ME,RI
Perfluorooctanoic acid (PFOA)	NH,NY,VT-DW,ME,RI
Perfluorooctanesulfonic acid (PFOS)	NH,NY,VT-DW,ME,RI
Perfluorononanoic acid (PFNA)	VT-DW,ME,RI
Perfluorodecanoic acid (PFDA)	VT-DW,ME,RI
NMeFOSAA	VT-DW,RI
Perfluoroundecanoic acid (PFUnA)	VT-DW,ME,RI
NEtFOSAA	VT-DW,RI
Perfluorododecanoic acid (PFDoA)	VT-DW,ME,RI
Perfluorotridecanoic acid (PFTriDA)	VT-DW,ME,RI
Perfluorotetradecanoic acid (PFTA)	VT-DW,ME,RI

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	LAO00112	12/30/2018
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

1760338

http://www.contestlabs.com

Doc # 381 Rev 1_03242017

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

39 Spruce Street
 East Longmeadow, MA 01028



Company Name: ATC Group Services
Address: 73 William Franks Drive, West Springfield, MA (413) 781-0070
Project Name: 1830 East Mountain Rd, Westfield
Project Location: 1830 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 #:

EPA METHOD 537	ANALYSIS REQUESTED					# of Containers
	1	2	3	4	5	
TOTAL As, Fe, HARDNESS, TOC	O	N	H			1
	P	V				3

Con-Test Work Order #	Client Sample ID / Description	Beginning Date/Time	Ending Date/Time	Composite	Grab	Matrix Code	Conc Code
	1830 East Mountain Rd - field blank	12/7/2017	12:00		X	DW	U
051	1830 East Mountain Rd - 1	12/7/2017	12:08		X	DW	U
	1830 East Mountain Rd - 2	12/7/2017	12:09		X	DW	U

Comments:
 RUN EPA Method 537: 1830 East Mountain Rd-1
 EXTRACT & HOLD EPA Method 537: 1830 East Mountain Rd-field blank & 1830 East Mountain Rd-2
 HOLD As, Fe, Hardness, TOC

Relinquished by: (signature) [Signature] Date/Time: 12/7/17 15:30
Received by: (signature) [Signature] Date/Time: 12/7/17 15:30
Relinquished by: (signature) [Signature] Date/Time: [Blank]

MA State DW Required
MA State DW Required

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

Project Entity: MA CT
 Government Federal City
 Municipality 21 J Brownfield
 MWRA School
 WRTA MBTA

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 RLP Date 10/7/17 Time 1530

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 # 557 Actual Temp - 4.0^{°C}
 By Blank # Actual Temp -

Was Custody Seal Intact? NA Were Samples Tampered with? NA
 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? F MS/MSD? NA
 Proper Media/Containers Used? T Is splitting samples required? F
 Were trip blanks received? F On COC? NA
 Do all samples have the proper pH? Acid T Base NA

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:

samples received with pH < 2