



Commonwealth of Massachusetts
Executive Office of Energy & Environmental Affairs

Department of Environmental Protection

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

Charles D. Baker
Governor

Karyn E. Polito
Lieutenant Governor

Matthew A. Beaton
Secretary

Martin Suuberg
Commissioner

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

July 5, 2017

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

Dear Mayor Sullivan,

In a collaborative effort to work with both the City of Westfield and the Barnes Air National Guard, MassDEP has implemented a phased approach to investigate whether private wells have been affected by a release of perfluorinated chemicals (PFCs) to the groundwater. To date, we have sampled forty-one (41) private wells and have issued sixty-five (65) access agreement letters. MassDEP is continuing to call individuals who have received access agreement letters to schedule sampling. As additional data is received MassDEP will review the results and adjust the sampling locations as needed. EPA has established a Lifetime Health Advisory level at 70 parts per trillion (ppt). All results we have received to date are summarized in a table on Page 2 of this letter. The results added to the table in this round indicate the following:

Six (6) of the private well sampling results indicate PFCs were not detected above the laboratory reporting level, which is now down to 2 ppt. In the table these are shown as ND for Non Detect.

Eleven (11) of the sampling results had detections of PFCs; however, the results were well below the lifetime EPA Health Advisory of 70 ppt. MassDEP will resample the wells to confirm the results.

Two (2) sample results were greater than the lifetime health advisory level. Note that these two homes neighbor 285 Sandy Hill Road and due to the significant detections in this home earlier in June, MassDEP proactively notified the neighboring homeowners and provided bottled water to the residents previously. Now that results confirm levels above the advisory in these homes, MassDEP's contractor is currently working to install a point of entry carbon filtration system to eliminate any health risk from drinking water.

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

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

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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 forty-one (41) private well sampled to date:

Address	Date Sampled	Laboratory Results for PFOA + PFOS (70 ppt Advisory)
1551 East Mountain	6/14/2017	6 ppt
43 Indian Ridge	6/14/2017	8 ppt
1545 East Mountain Road	6/14/2017	4 ppt
1358 East Mountain	6/14/2017	ND
14 Indian Ridge Road	6/14/2017	ND
1534 East Mountain	6/14/2017	3 ppt
369 Pochassic Road	6/14/2017	ND
1557 East Mountain	6/14/2017	6 ppt
5 Tina Lane	6/9/2017	ND
20 Old Holyoke Rd	6/9/2017	8 ppt
1720 East Mountain	6/9/2017	6 ppt
1331 East Mountain	6/9/2017	2 ppt
39 Indian Ridge	6/9/2017	ND
19 Indian Ridge	6/9/2017	6 ppt
36 Indian Ridge Rd	6/9/2017	8 ppt
1355 East Mountain	6/9/2017	ND
1588 East Mountain	6/9/2017	7 ppt
281 Lower Sandy Hill Rd	6/2/2017	141 ppt
289 Lower Sandy Hill Rd	6/2/2017	787 ppt
2 Tina Lane	5/19/2017	ND
20 Hillcrest Circle	5/19/2017	ND
539 North Road	5/18/2017	ND
1295 Southampton	5/18/2017	ND
21 Hillcrest Circle	5/18/2017	ND
285 Lower Sandy Hill Road	5/10/2017	864 ppt
232 Buck Pond Road	5/10/2017	19 ppt
27 Indian Ridge Road	5/10/2017	18 ppt
1214 East Mountain Road	5/10/2017	17 ppt
16 Mockingbird Lane	5/10/2017	ND
294 Union Street	5/10/2017	ND
533 North Road	5/10/2017	ND
42 Old Holyoke Road	5/10/2017	ND
43 Hillcrest Circle	5/10/2017	ND
23 Deveno Lane	4/28/2017	ND
95 Old Holyoke Road	4/28/2017	ND
20 Ridge Trail Road	4/28/2017	ND
1524 East Mountain Road	4/28/2017	ND
2050 East Mountain Road	4/28/2017	ND
34 Lewis Road	4/28/2017	ND
1850 East Mountain Road	4/28/2017	ND
1749 East Mountain Road	4/28/2017	ND

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

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

Sincerely,



Michael Gorski
Regional Director

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



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July 5, 2017

John Provost
1720 East Mountain Road
Westfield, MA 01085

RE: Notice of Environmental Sampling
1720 East Mountain Road
Westfield Private Well Sampling

Dear Mr. Provost:

The Department of Environmental Protection (DEP) collected a drinking water sample from your private well on June 9, 2017. The purpose of the sampling was to investigate whether your well has been affected by a release of perfluorinated compounds (PFCs) to local groundwater. The sample was sent to a certified laboratory and analyzed for PFC compounds by modified United States Protection Agency (EPA) Method 317.1. EPA has established a Lifetime Health Advisory level at 70 parts per trillion (ppt), for two specific compounds which have been the most extensively used and studied, PFOA (perfluorooctanoic acid) and PFOS (perfluorooctane sulfonic acid). If both PFOA and PFOS are identified in drinking water the combined concentrations are compared to the 70 ppt health advisory level. The Health Advisory offers a margin of protection from a lifetime of exposure to PFOA and PFOS for all individuals from adverse health effects resulting from exposure from PFOA and PFOS in drinking water. ¹

The sampling result indicated a total PFOA and PFOS concentration of 6 ppt in the drinking water sample. The results of a duplicate sample confirmed these results. This concentration is well below the health advisory level of 70 ppt. In order to confirm this result, MassDEP will contact you to resample your well. MassDEP will also sample wells in the vicinity of your area in order to gather additional information. 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.

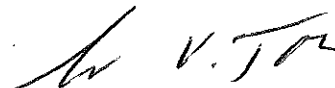
TTY# MassRelay Service 1-800-439-2370

MassDEP Website: www.mass.gov/dep

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If you have any questions pertaining to this Notice of Environmental Sampling or with the information n 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

ec: 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: 01085

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

1. Name: John Provost
2. Street Address: 1720 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: 1720 East Mountain Road
City/Town: Westfield Zip Code: 01103

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

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

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

residential commercial industrial school/playground Other _____
(specify)

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

A drinking water sample was collected from the private well located on the above-referenced property and analyzed for PFAS via EPA Method 537.1.

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

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



NOTICE OF ENVIRONMENTAL SAMPLING

1 - 20093

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

MASSACHUSETTS REGULATIONS THAT REQUIRE THIS NOTICE

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

THE PERSON(S) PROVIDING THIS NOTICE

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

PURPOSE OF THIS NOTICE

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

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

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

FOR MORE INFORMATION

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

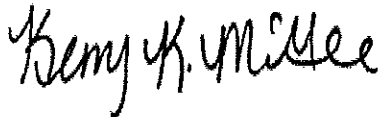
June 20, 2017

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

Project Location: 1720 East Mountain Rd., Westfield, MA
Client Job Number:
Project Number: 183EM00170
Laboratory Work Order Number: 17F0516

Enclosed are results of analyses for samples received by the laboratory on June 9, 2017. If you have any questions concerning this report, please feel free to contact me.

Sincerely,



Kerry K. McGee
Project Manager

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

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

REPORT DATE: 6/20/2017

PURCHASE ORDER NUMBER:

PROJECT NUMBER: 183EM00170

ANALYTICAL SUMMARY

WORK ORDER NUMBER: 17F0516

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

PROJECT LOCATION: 1720 East Mountain Rd., Westfield, MA

FIELD SAMPLE #	LAB ID:	MATRIX	SAMPLE DESCRIPTION	TEST	SUB LAB
1720 East Mountain Rd - 1	17F0516-01	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.

EPA 537

Qualifications:

L-01

Laboratory fortified blank /laboratory control sample recovery outside of control limits. Data validation is not affected since all results are "not detected" for all samples in this batch for this compound and bias is on the high side.

Analyte & Samples(s) Qualified:

Perfluoroundecanoic acid (PFUnA)

B179101-BS1

S-23

Surrogate recovery outside of control limits in BS/MS spiked sample, all reported analytes are within control criteria, data not significantly affected.

Analyte & Samples(s) Qualified:

13C-PFDA

B179101-BS1

13C-PFHxA

B179101-BS1

d5-NEtFOSAA

B179101-BS1

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

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



Lisa A. Worthington
Project Manager

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

Project Location: 1720 East Mountain Rd., Westfie

Sample Description:

Work Order: 17F0516

Date Received: 6/9/2017

Field Sample #: 1720 East Mountain Rd - 1

Sampled: 6/9/2017 17:12

Sample ID: 17F0516-01

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	
Perfluoroundecanoic acid (PFUnA)	ND	2.0		ng/L	1		EPA 537	6/13/17	6/18/17 20:01	BLM
Perfluorotridecanoic acid (PFTrDA)	ND	2.0		ng/L	1		EPA 537	6/13/17	6/18/17 20:01	BLM
Perfluorotetradecanoic acid (PFTA)	ND	2.0		ng/L	1		EPA 537	6/13/17	6/18/17 20:01	BLM
Perfluorooctanoic acid (PFOA)	2.5	2.0		ng/L	1		EPA 537	6/13/17	6/18/17 20:01	BLM
Perfluorooctanesulfonic acid (PFOS)	3.5	2.0		ng/L	1		EPA 537	6/13/17	6/18/17 20:01	BLM
Perfluorononanoic acid (PFNA)	ND	2.0		ng/L	1		EPA 537	6/13/17	6/18/17 20:01	BLM
Perfluorohexanoic acid (PFHxA)	2.2	2.0		ng/L	1		EPA 537	6/13/17	6/18/17 20:01	BLM
Perfluorohexanesulfonic acid (PFHxS)	ND	2.0		ng/L	1		EPA 537	6/13/17	6/18/17 20:01	BLM
Perfluoroheptanoic acid (PFHpA)	ND	2.0		ng/L	1		EPA 537	6/13/17	6/18/17 20:01	BLM
Perfluorododecanoic acid (PFDoA)	ND	2.0		ng/L	1		EPA 537	6/13/17	6/18/17 20:01	BLM
Perfluorodecanoic acid (PFDA)	ND	2.0		ng/L	1		EPA 537	6/13/17	6/18/17 20:01	BLM
Perfluorobutanesulfonic acid (PFBS)	ND	2.0		ng/L	1		EPA 537	6/13/17	6/18/17 20:01	BLM
NEtFOSAA	ND	2.0		ng/L	1		EPA 537	6/13/17	6/18/17 20:01	BLM
NMeFOSAA	ND	2.0		ng/L	1		EPA 537	6/13/17	6/18/17 20:01	BLM
Perfluoropentanoic acid (PFPeA)	ND	2.0		ng/L	1		EPA 537	6/13/17	6/18/17 20:01	BLM
Surrogates		% Recovery	Recovery Limits			Flag/Qual				
13C-PFHxA		124	70-130						6/18/17 20:01	
13C-PFDA		116	70-130						6/18/17 20:01	
d5-NEtFOSAA		120	70-130						6/18/17 20:01	

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

Sample Extraction Data

Prep Method: EPA 537-EPA 537

Lab Number [Field ID]	Batch	Initial [mL]	Final [mL]	Date
17F0516-01 [1720 East Mountain Rd - 1]	B179101	250	1.00	06/13/17

QUALITY CONTROL

Miscellaneous Organic Analyses - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B179101 - EPA 537										
Blank (B179101-BLK1)										
Prepared: 06/13/17 Analyzed: 06/19/17										
Perfluoroundecanoic acid (PFUnA)	ND	2.0	ng/L							
Perfluorotridecanoic acid (PFTrDA)	ND	2.0	ng/L							
Perfluorotetradecanoic acid (PFTA)	ND	2.0	ng/L							
Perfluorooctanoic acid (PFOA)	ND	2.0	ng/L							
Perfluorooctanesulfonic acid (PFOS)	ND	2.0	ng/L							
Perfluorononanoic acid (PFNA)	ND	2.0	ng/L							
Perfluorohexanoic acid (PFHxA)	ND	2.0	ng/L							
Perfluorohexanesulfonic acid (PFHxS)	ND	2.0	ng/L							
Perfluoroheptanoic acid (PFHpA)	ND	2.0	ng/L							
Perfluorododecanoic acid (PFDoA)	ND	2.0	ng/L							
Perfluorodecanoic acid (PFDA)	ND	2.0	ng/L							
Perfluorobutanesulfonic acid (PFBS)	ND	2.0	ng/L							
NEtFOSAA	ND	2.0	ng/L							
NMeFOSAA	ND	2.0	ng/L							
Surrogate: 13C-PFHxA	37.0		ng/L	40.0		92.4	70-130			
Surrogate: 13C-PFDA	37.2		ng/L	40.0		93.0	70-130			
Surrogate: d5-NEtFOSAA	156		ng/L	160		97.4	70-130			
LCS (B179101-BS1)										
Prepared: 06/13/17 Analyzed: 06/18/17										
Perfluoroundecanoic acid (PFUnA)	26.2	2.0	ng/L	20.0		131 *	70-130			L-01
Perfluorotridecanoic acid (PFTrDA)	25.4	2.0	ng/L	20.0		127	70-130			
Perfluorotetradecanoic acid (PFTA)	25.1	2.0	ng/L	20.0		125	70-130			
Perfluorooctanoic acid (PFOA)	25.6	2.0	ng/L	20.0		128	70-130			
Perfluorooctanesulfonic acid (PFOS)	21.9	2.0	ng/L	18.5		118	70-130			
Perfluorononanoic acid (PFNA)	25.0	2.0	ng/L	20.0		125	70-130			
Perfluorohexanoic acid (PFHxA)	25.6	2.0	ng/L	20.0		128	70-130			
Perfluorohexanesulfonic acid (PFHxS)	23.5	2.0	ng/L	18.2		129	70-130			
Perfluoroheptanoic acid (PFHpA)	25.6	2.0	ng/L	20.0		128	70-130			
Perfluorododecanoic acid (PFDoA)	24.8	2.0	ng/L	20.0		124	70-130			
Perfluorodecanoic acid (PFDA)	25.6	2.0	ng/L	20.0		128	70-130			
Perfluorobutanesulfonic acid (PFBS)	22.6	2.0	ng/L	17.7		128	70-130			
NEtFOSAA	25.9	2.0	ng/L	20.0		130	70-130			
NMeFOSAA	25.8	2.0	ng/L	20.0		129	70-130			
Perfluoropentanoic acid (PFPeA)	24.1	2.0	ng/L	20.0		120	70-130			
Surrogate: 13C-PFHxA	62.4		ng/L	40.0		156 *	70-130			S-23
Surrogate: 13C-PFDA	63.1		ng/L	40.0		158 *	70-130			S-23
Surrogate: d5-NEtFOSAA	265		ng/L	160		166 *	70-130			S-23

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.
L-01	Laboratory fortified blank /laboratory control sample recovery outside of control limits. Data validation is not affected since all results are "not detected" for all samples in this batch for this compound and bias is on the high side.
S-23	Surrogate recovery outside of control limits in BS/MS spiked sample, all reported analytes are within control criteria, data not significantly affected.

CERTIFICATIONS

Certified Analyses included in this Report

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

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

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

17FO5119

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



Company Name: **Analytics Group Services**

Address: **73 William Franks Dr W Springfield, MA**

Phone: **(413) 781-0070**

Project Name: **1720 East Mountain Rd, Westfield, MA**

Project Location: **1720 East Mountain Rd, Westfield, MA**

Project Number: **183EM00170**

Project Manager: **Rob Smith**

Con-Test Quote Name/Number:

Invoice Recipient:

Sampled By: **Elizabeth O'Connor**

Client Sample ID/Description

1720 East Mountain Rd - field blank

1720 East Mountain Rd - 1

1720 East Mountain Rd - 2

7-Day 10-Day
Due Date:

1-Day 3-Day
2-Day 4-Day

Format: PDF EXCEL
Other:

CLP Like Data Pkg Required:
Email To:

Fax To #:

Matrix Code

Grab

Composite

Sample Time

17:07

17:12

17:13

3 1 2
0 N H
P V

ANALYSIS REQUESTED

Total As, Fe, Hardness, TDC

EPA Method 537

X

X

X

of Containers

2 Preservation Code

3 Container Code

Discolored (state) Samples

Field Filtered

Lab to Filter

Discolored (state) Samples

Field Filtered

Lab to Filter

1 Matrix Codes:

GW = Ground Water

WW = Waste Water

DW = Drinking Water

A = Air

S = Soil

SL = Sludge

SOL = Solid

O = Other (please define)

2 Preservation Codes:

I = Iced

H = HCL

M = Methanol

N = Nitric Acid

S = Sulfuric Acid

B = Sodium Bisulfate

X = Sodium Hydroxide

T = Sodium Thioculfate

O = Other (please define)

3 Container Codes:

A = Amber Glass

G = Glass

P = Plastic

ST = Sterile

V = Vial

S = Summa Canister

T = Tadiar Bag

O = Other (please define)

JVIZJVL

PCB ONLY

Soxhlet

Non Soxhlet

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

con-test
ANALYTICAL LABORATORY
www.contestlabs.com

Special Requirements

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

Project Entity

Government Municipality Other
Federal City Brownfield
21 J School MBTA
WRMA Chromatogram
AIHA-LAP, LLC

Decision Time Requirements

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

Groups

PWSID #

Date/Time:

Relinquished by: (signature) **Elizabeth K. O'Connell** 6/19/17 18:13
Received by: (signature) **DS-141** 6/19/17 18:13
Relinquished by: (signature) **John Post** 6/19/17
Received by: (signature)
Relinquished by: (signature)
Received by: (signature)
Relinquished by: (signature)

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 6/9/17 Time 1813
 How were the samples received? In Cooler T No Cooler On Ice T No Ice
 Direct From Sample sampled same day Ambient Melted Ice
 Were samples within Temperature? 2-6°C F By Gun # 2 Actual Temp - 14.1°C
 By Blank # Actual Temp -
 Was Custody Seal Intact? NA Were Samples Tampered with? F
 Was COC Relinquished? T Does Chain Agree With Samples? T
 Are there broken/leaking/loose caps on any samples? F
 Is COC in ink/ Legible? T Were samples received within holding time? T
 Did COC include all pertinent information? Client? T Analysis? T Sampler Name? T
 Project? T ID's? T Collection Dates/Times? T
 Are Sample labels filled out and legible? T
 Are there Lab to Filters? F Who was notified? NA
 Are there Rushes? F Who was notified? NA
 Are there Short Holds? F Who was notified? NA
 Is there enough Volume? T
 Is there Headspace where applicable? T 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:



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

July 5, 2017

Robert & Faye Monczka
1545 East Mountain Road
Westfield, MA 01085

RE: Notice of Environmental Sampling
1545 East Mountain Road
Westfield Private Well Sampling

Dear Mr. & Mrs. Monczka:

The Department of Environmental Protection (DEP) collected a drinking water sample from your private well on June 14, 2017. The purpose of the sampling was to investigate whether your well has been affected by a release of perfluorinated compounds (PFCs) to local groundwater. The sample was sent to a certified laboratory and analyzed for PFC compounds by modified United States Protection Agency (EPA) Method 317.1. EPA has established a Lifetime Health Advisory level at 70 parts per trillion (ppt), for two specific compounds which have been the most extensively used and studied, PFOA (perfluorooctanoic acid) and PFOS (perfluorooctane sulfonic acid). If both PFOA and PFOS are identified in drinking water the combined concentrations are compared to the 70 ppt health advisory level. The Health Advisory offers a margin of protection from a lifetime of exposure to PFOA and PFOS for all individuals from adverse health effects resulting from exposure from PFOA and PFOS in drinking water. ¹

The sampling result indicated a total PFOA and PFOS concentration of 3.8 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. In order to confirm this result, MassDEP will contact you to resample your well. MassDEP will also sample wells in the vicinity of your area in order to gather additional information. 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.

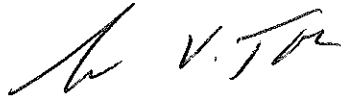
TTY# MassRelay Service 1-800-439-2370

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

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

cc:

Denise Andler, DEP WERO
Data Entry: FOLOFF, FOLFLD



Massachusetts Department of Environmental Protection
Bureau of Waste Site Cleanup

BWSC123

This Notice is Related to:
Release Tracking Number

NOTICE OF ENVIRONMENTAL SAMPLING

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

1 - 20093

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

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

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

1. Name: Robert & Faye Monczka
2. Street Address: 1545 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: 1545 East Mountain Road
City/Town: Westfield Zip Code: 01103

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.

A drinking water sample was collected from the private well located on the above-referenced property and analyzed for PFAS via EPA Method 537.1.

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

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



Massachusetts Department of Environmental Protection
Bureau of Waste Site Cleanup

BWSC123

This Notice is Related to:
Release Tracking Number

NOTICE OF ENVIRONMENTAL SAMPLING

1 - 20093

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

MASSACHUSETTS REGULATIONS THAT REQUIRE THIS NOTICE

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

THE PERSON(S) PROVIDING THIS NOTICE

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

PURPOSE OF THIS NOTICE

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

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

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

FOR MORE INFORMATION

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

June 20, 2017

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

Project Location: 1545 East Mountain Rd., Westfield
Client Job Number:
Project Number: 183EM00170
Laboratory Work Order Number: 17F0798

Enclosed are results of analyses for samples received by the laboratory on June 14, 2017. If you have any questions concerning this report, please feel free to contact me.

Sincerely,



Kerry K. McGee
Project Manager

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

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

REPORT DATE: 6/20/2017

PURCHASE ORDER NUMBER:

PROJECT NUMBER: 183EM00170

ANALYTICAL SUMMARY

WORK ORDER NUMBER: 17F0798

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

PROJECT LOCATION: 1545 East Mountain Rd., Westfield

FIELD SAMPLE #	LAB ID:	MATRIX	SAMPLE DESCRIPTION	TEST	SUB LAB
1545 East Mountain Rd. - 1	17F0798-01	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.

EPA 537

Qualifications:

L-01

Laboratory fortified blank /laboratory control sample recovery outside of control limits. Data validation is not affected since all results are "not detected" for all samples in this batch for this compound and bias is on the high side.

Analyte & Sample(s) Qualified:

Perfluoroundecanoic acid (PFUnA)

B179482-BS1

L-05

Laboratory fortified blank/laboratory control sample recovery is outside of control limits. Reported value for this compound is likely to be biased on the high side.


Analyte & Sample(s) Qualified:

Perfluorohexanoic acid (PFHxA)

B179482-BS1

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.



Ted E. Kopyscinski
Laboratory Director

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

Project Location: 1545 East Mountain Rd., Westfie Sample Description: Work Order: 17F0798
 Date Received: 6/14/2017
 Field Sample #: 1545 East Mountain Rd. - 1 Sampled: 6/14/2017 09:56
 Sample ID: 17F0798-01
 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	
Perfluoroundecanoic acid (PFUnA)	ND	2.0		ng/L	1		EPA 537	6/17/17	6/18/17 22:59	BLM
Perfluorotridecanoic acid (PFTrDA)	ND	2.0		ng/L	1		EPA 537	6/17/17	6/18/17 22:59	BLM
Perfluorotetradecanoic acid (PFTA)	ND	2.0		ng/L	1		EPA 537	6/17/17	6/18/17 22:59	BLM
Perfluorooctanoic acid (PFOA)	3.8	2.0		ng/L	1		EPA 537	6/17/17	6/18/17 22:59	BLM
Perfluorooctanesulfonic acid (PFOS)	ND	2.0		ng/L	1		EPA 537	6/17/17	6/18/17 22:59	BLM
Perfluorononanoic acid (PFNA)	ND	2.0		ng/L	1		EPA 537	6/17/17	6/18/17 22:59	BLM
Perfluorohexanoic acid (PFHxA)	4.2	2.0		ng/L	1		EPA 537	6/17/17	6/18/17 22:59	BLM
Perfluorohexanesulfonic acid (PFHxS)	ND	2.0		ng/L	1		EPA 537	6/17/17	6/18/17 22:59	BLM
Perfluoroheptanoic acid (PFHpA)	ND	2.0		ng/L	1		EPA 537	6/17/17	6/18/17 22:59	BLM
Perfluorododecanoic acid (PFDoA)	ND	2.0		ng/L	1		EPA 537	6/17/17	6/18/17 22:59	BLM
Perfluorodecanoic acid (PFDA)	ND	2.0		ng/L	1		EPA 537	6/17/17	6/18/17 22:59	BLM
Perfluorobutanesulfonic acid (PFBS)	2.6	2.0		ng/L	1		EPA 537	6/17/17	6/18/17 22:59	BLM
NEtFOSAA	ND	2.0		ng/L	1		EPA 537	6/17/17	6/18/17 22:59	BLM
NMeFOSAA	ND	2.0		ng/L	1		EPA 537	6/17/17	6/18/17 22:59	BLM
Surrogates		% Recovery	Recovery Limits			Flag/Qual				
13C-PFHxA		125	70-130						6/18/17 22:59	
13C-PFDA		96.8	70-130						6/18/17 22:59	
d5-NEtFOSAA		118	70-130						6/18/17 22:59	

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

Sample Extraction Data

Prep Method: EPA 537-EPA 537

Lab Number [Field ID]	Batch	Initial [mL]	Final [mL]	Date
17F0798-01 [1545 East Mountain Rd. - 1]	B179482	250	1.00	06/17/17

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 B179482 - EPA 537										
Blank (B179482-BLK1)										
Prepared: 06/17/17 Analyzed: 06/18/17										
Perfluoroundecanoic acid (PFUnA)	ND	2.0	ng/L							
Perfluorotridecanoic acid (PFTrDA)	ND	2.0	ng/L							
Perfluorotetradecanoic acid (PFTA)	ND	2.0	ng/L							
Perfluorooctanoic acid (PFOA)	ND	2.0	ng/L							
Perfluorooctanesulfonic acid (PFOS)	ND	2.0	ng/L							
Perfluorononanoic acid (PFNA)	ND	2.0	ng/L							
Perfluorohexanoic acid (PFHxA)	ND	2.0	ng/L							
Perfluorohexanesulfonic acid (PFHxS)	ND	2.0	ng/L							
Perfluoroheptanoic acid (PFHpA)	ND	2.0	ng/L							
Perfluorododecanoic acid (PFDoA)	ND	2.0	ng/L							
Perfluorodecanoic acid (PFDA)	ND	2.0	ng/L							
Perfluorobutanesulfonic acid (PFBS)	ND	2.0	ng/L							
NEtFOSAA	ND	2.0	ng/L							
NMeFOSAA	ND	2.0	ng/L							
Surrogate: 13C-PFHxA	48.0		ng/L	40.0		120	70-130			
Surrogate: 13C-PFDA	49.3		ng/L	40.0		123	70-130			
Surrogate: d5-NEtFOSAA	197		ng/L	160		123	70-130			
LCS (B179482-BS1)										
Prepared: 06/17/17 Analyzed: 06/18/17										
Perfluoroundecanoic acid (PFUnA)	3.11	2.0	ng/L	2.00		155 *	50-150			L-01
Perfluorotridecanoic acid (PFTrDA)	2.71	2.0	ng/L	2.00		135	50-150			
Perfluorotetradecanoic acid (PFTA)	2.67	2.0	ng/L	2.00		134	50-150			
Perfluorooctanoic acid (PFOA)	2.94	2.0	ng/L	2.00		147	50-150			
Perfluorooctanesulfonic acid (PFOS)	2.67	2.0	ng/L	1.85		145	50-150			
Perfluorononanoic acid (PFNA)	2.58	2.0	ng/L	2.00		129	50-150			
Perfluorohexanoic acid (PFHxA)	3.36	2.0	ng/L	2.00		168 *	50-150			L-05
Perfluorohexanesulfonic acid (PFHxS)	2.56	2.0	ng/L	1.82		140	50-150			
Perfluoroheptanoic acid (PFHpA)	2.96	2.0	ng/L	2.00		148	50-150			
Perfluorododecanoic acid (PFDoA)	2.64	2.0	ng/L	2.00		132	50-150			
Perfluorodecanoic acid (PFDA)	2.71	2.0	ng/L	2.00		135	50-150			
Perfluorobutanesulfonic acid (PFBS)	2.38	2.0	ng/L	1.77		135	50-150			
NEtFOSAA	2.95	2.0	ng/L	2.00		147	50-150			
NMeFOSAA	2.56	2.0	ng/L	2.00		128	50-150			
Surrogate: 13C-PFHxA	51.1		ng/L	40.0		128	70-130			
Surrogate: 13C-PFDA	51.8		ng/L	40.0		129	70-130			
Surrogate: d5-NEtFOSAA	205		ng/L	160		128	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.
L-01	Laboratory fortified blank /laboratory control sample recovery outside of control limits. Data validation is not affected since all results are "not detected" for all samples in this batch for this compound and bias is on the high side.
L-05	Laboratory fortified blank/laboratory control sample recovery is outside of control limits. Reported value for this compound is likely to be biased on the high side.

CERTIFICATIONS

Certified Analyses included in this Report

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

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

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

17E0798
 Phone: 413-525-2332
 Fax: 413-525-6405
 Email: info@contestlabs.com

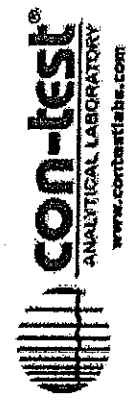


http://www.contestlabs.com
 CHAIN OF CUSTODY RECORD

39 Spruce Street
 East Longmeadow, MA 01028

Page 1 of 1

Con-Test Work Order #	Client Sample ID / Description	Beginning Date/Time	Ending Date/Time	Composite	Matrix Code	Conc. Code	Requested Turnaround Time			Preservation Code			Container Code	Matrix Codes	Preservation Codes	
							7-Day	10-Day	5-day TAT	O	N	H				1
1545 East Mountain Rd - field blank		6/14/2017	9:43	X	DW	U	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
1545 East Mountain Rd - 1		6/14/2017	9:56	X	DW	U	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
1545 East Mountain Rd - 2		6/14/2017	9:57	X	DW	U	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Comments: RUN EPA Method 537: 1545 East Mountain Rd-1 EXTRACT & HOLD EPA Method 537: 1545 East Mountain Rd-field blank & 1545 East Mountain Rd-2 HOLD As, Fe, Hardness, TOC																
Requisitioned by: (signature) <i>Elizabeth O'Connor</i> Date/Time: 6/17/17 1810 Received by: (signature) <i>[Signature]</i> Date/Time: 6/17/17 1810 Requisitioned by: (signature) <i>[Signature]</i> Date/Time: Received by: (signature) <i>[Signature]</i> Date/Time: Requisitioned by: (signature) <i>[Signature]</i> Date/Time: Received by: (signature) <i>[Signature]</i> Date/Time:																
Special Requirements: MA MCP Required <input type="checkbox"/> 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 # _____																
Project Entity: <input type="checkbox"/> Government <input type="checkbox"/> Municipality <input type="checkbox"/> MWRA <input type="checkbox"/> WRTA <input type="checkbox"/> Other <input type="checkbox"/> <input type="checkbox"/> Federal <input type="checkbox"/> City <input type="checkbox"/> Brownfield <input type="checkbox"/> School <input type="checkbox"/> MBTA <input type="checkbox"/> Chromatogram <input type="checkbox"/> <input type="checkbox"/> PCB ONLY <input type="checkbox"/> Soxhlet <input type="checkbox"/> 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 DB Date 6.14.17 Time 18:10

How were the samples received? In Cooler T No Cooler _____ On Ice T No Ice _____

Direct From Sample _____ Ambient _____ Melted Ice _____

Were samples within Temperature? 2-6°C T By Gun # 0 Actual Temp - 4.8
 By Blank # _____ Actual Temp - _____

Was Custody Seal Intact? NA Were Samples Tampered with? F

Was COC Relinquished? T Does Chain Agree With Samples? T

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

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

Did COC include all Client? T Analysis? T Sampler Name? T

pertinent Information? Project? T ID's? T Collection Dates/Times? T

Are Sample labels filled out and legible? T

Are there Lab to Filters? F Who was notified? _____

Are there Rushes? F Who was notified? _____

Are there Short Holds? F Who was notified? _____

Is there enough Volume? T

Is there Headspace where applicable? NA MS/MSD? NA

Proper Media/Containers Used? T splitting samples require F

Were TB's received? F On COC? NA

Do All Samples Have the proper pH? Acid T Base _____

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

Unused Media

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

Comments:



Commonwealth of Massachusetts
Executive Office of Energy & Environmental Affairs

Department of Environmental Protection

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

Charles D. Baker
Governor

Karyn E. Polito
Lieutenant Governor

Matthew A. Beaton
Secretary

Martin Suuberg
Commissioner

July 5, 2017

Joanne Drozdowski
1331 East Mountain Road
Westfield, MA 01085

RE: Notice of Environmental Sampling
1331 East Mountain Road
Westfield Private Well Sampling

Dear Ms. Drozdowski:

The Department of Environmental Protection (DEP) collected a drinking water sample from your private well on June 9, 2017. The purpose of the sampling was to investigate whether your well has been affected by a release of perfluorinated compounds (PFCs) to local groundwater. The sample was sent to a certified laboratory and analyzed for PFC compounds by modified United States Protection Agency (EPA) Method 317.1. EPA has established a Lifetime Health Advisory level at 70 parts per trillion (ppt), for two specific compounds which have been the most extensively used and studied, PFOA (perfluorooctanoic acid) and PFOS (perfluorooctane sulfonic acid). If both PFOA and PFOS are identified in drinking water the combined concentrations are compared to the 70 ppt health advisory level. The Health Advisory offers a margin of protection from a lifetime of exposure to PFOA and PFOS for all individuals from adverse health effects resulting from exposure from PFOA and PFOS in drinking water.¹

The sampling result indicated a total PFOA and PFOS concentration of 2.4 ppt in the drinking water sample. The results of a duplicate sample confirmed these results. This concentration is well below the health advisory level of 70 ppt. In order to confirm this result, MassDEP will contact you to resample your well. MassDEP will also sample wells in the vicinity of your area in order to gather additional information. 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 n contained within, please feel free to contact David Bachand at (413) 755-2221 or Cynthia Pawloski at (413) 755-2247.

Sincerely,



Eva Tor
Deputy Regional Director
Bureau of Waste Site Cleanup

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

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

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

cc:

Denise Andler, DEP WERO
Data Entry: FOLOFF, FOLFLD



Massachusetts Department of Environmental Protection
Bureau of Waste Site Cleanup

BWSC123

This Notice is Related to:
Release Tracking Number

NOTICE OF ENVIRONMENTAL SAMPLING

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

1 - 20093

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

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

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

1. Name: Joanne Drozdowski
2. Street Address: 1331 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: 1331 East Mountain Road
City/Town: Westfield Zip Code: 01103

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:

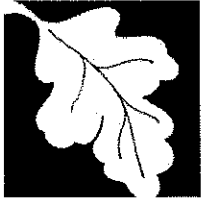
- residential commercial industrial school/playground Other _____
- (specify)

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.

A drinking water sample was collected from the private well located on the above-referenced property and analyzed for PFAS via EPA Method 537.1.

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

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



NOTICE OF ENVIRONMENTAL SAMPLING

1 - 20093

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

MASSACHUSETTS REGULATIONS THAT REQUIRE THIS NOTICE

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

THE PERSON(S) PROVIDING THIS NOTICE

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

PURPOSE OF THIS NOTICE

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

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

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

FOR MORE INFORMATION

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

June 20, 2017

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

Project Location: 1331 East Mountain Rd., Westfield, MA
Client Job Number:
Project Number: 183EM00170
Laboratory Work Order Number: 17F0519

Enclosed are results of analyses for samples received by the laboratory on June 9, 2017. If you have any questions concerning this report, please feel free to contact me.

Sincerely,



Kerry K. McGee
Project Manager

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

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

REPORT DATE: 6/20/2017

PURCHASE ORDER NUMBER:

PROJECT NUMBER: 183EM00170

ANALYTICAL SUMMARY

WORK ORDER NUMBER: 17F0519

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

PROJECT LOCATION: 1331 East Mountain Rd., Westfield, MA

FIELD SAMPLE #	LAB ID:	MATRIX	SAMPLE DESCRIPTION	TEST	SUB LAB
1331 East Mountain Rd.- 1	17F0519-01	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.

EPA 537

Qualifications:

L-01

Laboratory fortified blank /laboratory control sample recovery outside of control limits. Data validation is not affected since all results are "not detected" for all samples in this batch for this compound and bias is on the high side.

Analyte & Sample(s) Qualified:

Perfluoroundecanoic acid (PFUnA)

B179101-BS1

S-23

Surrogate recovery outside of control limits in BS/MS spiked sample, all reported analytes are within control criteria, data not significantly affected.

Analyte & Sample(s) Qualified:

13C-PFDA

B179101-BS1

13C-PFHxA

B179101-BS1

d5-NEtFOSAA

B179101-BS1

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.



Tod E. Kopyscinski
Laboratory Director

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

Project Location: 1331 East Mountain Rd., Westfie

Sample Description:

Work Order: 17F0519

Date Received: 6/9/2017

Field Sample #: 1331 East Mountain Rd.- 1

Sampled: 6/9/2017 14:13

Sample ID: 17F0519-01

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	
Perfluoroundecanoic acid (PFUnA)	ND	2.0		ng/L	1		EPA 537	6/13/17	6/18/17 20:39	BLM
Perfluorotridecanoic acid (PFTrDA)	ND	2.0		ng/L	1		EPA 537	6/13/17	6/18/17 20:39	BLM
Perfluorotetradecanoic acid (PFTrA)	ND	2.0		ng/L	1		EPA 537	6/13/17	6/18/17 20:39	BLM
Perfluorooctanoic acid (PFOA)	2.4	2.0		ng/L	1		EPA 537	6/13/17	6/18/17 20:39	BLM
Perfluorooctanesulfonic acid (PFOS)	ND	2.0		ng/L	1		EPA 537	6/13/17	6/18/17 20:39	BLM
Perfluorononanoic acid (PFNA)	ND	2.0		ng/L	1		EPA 537	6/13/17	6/18/17 20:39	BLM
Perfluorohexanoic acid (PFHxA)	3.0	2.0		ng/L	1		EPA 537	6/13/17	6/18/17 20:39	BLM
Perfluorohexanesulfonic acid (PFHxS)	4.0	2.0		ng/L	1		EPA 537	6/13/17	6/18/17 20:39	BLM
Perfluoroheptanoic acid (PFHpA)	ND	2.0		ng/L	1		EPA 537	6/13/17	6/18/17 20:39	BLM
Perfluorododecanoic acid (PFDoA)	ND	2.0		ng/L	1		EPA 537	6/13/17	6/18/17 20:39	BLM
Perfluorodecanoic acid (PFDA)	ND	2.0		ng/L	1		EPA 537	6/13/17	6/18/17 20:39	BLM
Perfluorobutanesulfonic acid (PFBS)	ND	2.0		ng/L	1		EPA 537	6/13/17	6/18/17 20:39	BLM
NEtFOSAA	ND	2.0		ng/L	1		EPA 537	6/13/17	6/18/17 20:39	BLM
NMeFOSAA	ND	2.0		ng/L	1		EPA 537	6/13/17	6/18/17 20:39	BLM
Perfluoropentanoic acid (PFPeA)	ND	2.0		ng/L	1		EPA 537	6/13/17	6/18/17 20:39	BLM

Surrogates	% Recovery	Recovery Limits	Flag/Qual
13C-PFHxA	107	70-130	6/18/17 20:39
13C-PFDA	104	70-130	6/18/17 20:39
d5-NEtFOSAA	104	70-130	6/18/17 20:39

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

Sample Extraction Data

Prep Method: EPA 537-EPA 537

Lab Number [Field ID]	Batch	Initial [mL]	Final [mL]	Date
17F0519-01 [1331 East Mountain Rd.- 1]	B179101	250	1.00	06/13/17

QUALITY CONTROL

Miscellaneous Organic Analyses - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B179101 - EPA 537										
Blank (B179101-BLK1)										
Prepared: 06/13/17 Analyzed: 06/19/17										
Perfluoroundecanoic acid (PFUnA)	ND	2.0	ng/L							
Perfluorotridecanoic acid (PFTrDA)	ND	2.0	ng/L							
Perfluorotetradecanoic acid (PFTA)	ND	2.0	ng/L							
Perfluorooctanoic acid (PFOA)	ND	2.0	ng/L							
Perfluorooctanesulfonic acid (PFOS)	ND	2.0	ng/L							
Perfluorononanoic acid (PFNA)	ND	2.0	ng/L							
Perfluorohexanoic acid (PFHxA)	ND	2.0	ng/L							
Perfluorohexanesulfonic acid (PFHxS)	ND	2.0	ng/L							
Perfluoroheptanoic acid (PFHpA)	ND	2.0	ng/L							
Perfluorododecanoic acid (PFDoA)	ND	2.0	ng/L							
Perfluorodecanoic acid (PFDA)	ND	2.0	ng/L							
Perfluorobutanesulfonic acid (PFBS)	ND	2.0	ng/L							
NEtFOSAA	ND	2.0	ng/L							
NMeFOSAA	ND	2.0	ng/L							
Surrogate: 13C-PFHxA	37.0		ng/L	40.0		92.4	70-130			
Surrogate: 13C-PFDA	37.2		ng/L	40.0		93.0	70-130			
Surrogate: d5-NEtFOSAA	156		ng/L	160		97.4	70-130			
LCS (B179101-BS1)										
Prepared: 06/13/17 Analyzed: 06/18/17										
Perfluoroundecanoic acid (PFUnA)	26.2	2.0	ng/L	20.0		131 *	70-130			L-01
Perfluorotridecanoic acid (PFTrDA)	25.4	2.0	ng/L	20.0		127	70-130			
Perfluorotetradecanoic acid (PFTA)	25.1	2.0	ng/L	20.0		125	70-130			
Perfluorooctanoic acid (PFOA)	25.6	2.0	ng/L	20.0		128	70-130			
Perfluorooctanesulfonic acid (PFOS)	21.9	2.0	ng/L	18.5		118	70-130			
Perfluorononanoic acid (PFNA)	25.0	2.0	ng/L	20.0		125	70-130			
Perfluorohexanoic acid (PFHxA)	25.6	2.0	ng/L	20.0		128	70-130			
Perfluorohexanesulfonic acid (PFHxS)	23.5	2.0	ng/L	18.2		129	70-130			
Perfluoroheptanoic acid (PFHpA)	25.6	2.0	ng/L	20.0		128	70-130			
Perfluorododecanoic acid (PFDoA)	24.8	2.0	ng/L	20.0		124	70-130			
Perfluorodecanoic acid (PFDA)	25.6	2.0	ng/L	20.0		128	70-130			
Perfluorobutanesulfonic acid (PFBS)	22.6	2.0	ng/L	17.7		128	70-130			
NEtFOSAA	25.9	2.0	ng/L	20.0		130	70-130			
NMeFOSAA	25.8	2.0	ng/L	20.0		129	70-130			
Perfluoropentanoic acid (PFPeA)	24.1	2.0	ng/L	20.0		120	70-130			
Surrogate: 13C-PFHxA	62.4		ng/L	40.0		156 *	70-130			S-23
Surrogate: 13C-PFDA	63.1		ng/L	40.0		158 *	70-130			S-23
Surrogate: d5-NEtFOSAA	265		ng/L	160		166 *	70-130			S-23

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.
L-01	Laboratory fortified blank /laboratory control sample recovery outside of control limits. Data validation is not affected since all results are "not detected" for all samples in this batch for this compound and bias is on the high side.
S-23	Surrogate recovery outside of control limits in BS/MS spiked sample, all reported analytes are within control criteria, data not significantly affected.

CERTIFICATIONS

Certified Analyses included in this Report

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

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

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

Company Name: ATC Group Services
Address: 73 William Franks Dr, WSpfld, MA
Phone: (413) 781-0010
Project Name: 1331 East Mountain Rd, Westfield, MA
Project Location: 1331 East Mountain Rd, Westfield, MA
Project Number: 183EM00170
Project Manager: Rob Smith
Con-Test Quote Name/Number:
Invoice Recipient:
Sampled By: Elizabeth O'Connor

Con-Test Work Order #	Client Sample ID / Description	Date	Matrix Code	Method Code	Component	Grab	Matrix Code	Done Code
01	1331 East Mountain Rd - field blank	6/9/17	DW	U	X		DW	U
	1331 East Mountain Rd - 1	6/9/17	DW	U	X		DW	U
	1331 East Mountain Rd - 2	6/9/17	DW	U	X		DW	U

Comments:
 Run: 1331 East Mountain Rd - 1 (EPA537); Hold - As, Fe, Hardness, TOC
 Extract + Hold: 1331 East Mountain Rd. field blank + 1331 East Mountain Rd - 2

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

Relinquished by: (signature) Elizabeth O'Connor
Date/Time: 6/9/17 1813
Received by: (signature) DS...
Date/Time: 6/9/17 1813
Relinquished by: (signature)
Date/Time:

Received by: (signature)
Date/Time:

Relinquished by: (signature)
Date/Time:

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

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

con-test[®]
 ANALYTICAL LABORATORY
 www.con-testlabs.com

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 RLF Date 6/9/17 Time 1813
 How were the samples received? In Cooler T No Cooler _____ On Ice T No Ice _____
 Direct From Sample sampled same day Ambient _____ Melted Ice _____
 Were samples within Temperature? 2-6°C F By Gun # 2 Actual Temp - 14.1°C
 By Blank # _____ Actual Temp - _____
 Was Custody Seal Intact? NA Were Samples Tampered with? F
 Was COC Relinquished? T Does Chain Agree With Samples? T
 Are there broken/leaking/loose caps on any samples? F
 Is COC in ink/ Legible? T Were samples received within holding time? T
 Did COC include all pertinent information? Client? T Analysis? T Sampler Name? T
 Project? T ID's? T Collection Dates/Times? T
 Are Sample labels filled out and legible? T
 Are there Lab to Filters? F Who was notified? NA
 Are there Rushes? F Who was notified? NA
 Are there Short Holds? F Who was notified? NA
 Is there enough Volume? T
 Is there Headspace where applicable? T 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:



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

July 5, 2017

Edward & Suzanne Gallop
1557 East Mountain Road
Westfield, MA 01085

RE: Notice of Environmental Sampling
1557 East Mountain Road
Westfield Private Well Sampling

Dear Mr. & Ms. Gallop:

The Department of Environmental Protection (DEP) collected a drinking water sample from your private well on June 14, 2017. The purpose of the sampling was to investigate whether your well has been affected by a release of perfluorinated compounds (PFCs) to local groundwater. The sample was sent to a certified laboratory and analyzed for PFC compounds by modified United States Protection Agency (EPA) Method 317.1. EPA has established a Lifetime Health Advisory level at 70 parts per trillion (ppt), for two specific compounds which have been the most extensively used and studied, PFOA (perfluorooctanoic acid) and PFOS (perfluorooctane sulfonic acid). If both PFOA and PFOS are identified in drinking water the combined concentrations are compared to the 70 ppt health advisory level. The Health Advisory offers a margin of protection from a lifetime of exposure to PFOA and PFOS for all individuals from adverse health effects resulting from exposure from PFOA and PFOS in drinking water. ¹

The sampling result indicated a total PFOA and PFOS concentration of 6 ppt in the drinking water sample. The results of a duplicate sample confirmed these results. This concentration is well below the health advisory level of 70 ppt. In order to confirm this result, MassDEP will contact you to resample your well. MassDEP will also sample wells in the vicinity of your area in order to gather additional information. 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.

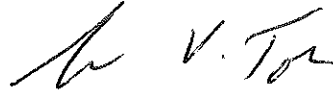
TTY# MassRelay Service 1-800-439-2370

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 n 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

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

cc:

Denise Andler, DEP WERO
Data Entry: FOLOFF, FOLFLD



Massachusetts Department of Environmental Protection
Bureau of Waste Site Cleanup

BWSC123

This Notice is Related to:
Release Tracking Number

NOTICE OF ENVIRONMENTAL SAMPLING

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

1 - 20093

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

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

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

1. Name: Edward & Suzanne Gallop
2. Street Address: 1557 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: 1557 East Mountain Road
City/Town: Westfield Zip Code: 01103

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.

A drinking water sample was collected from the private well located on the above-referenced property and analyzed for PFAS via EPA Method 537.1.

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

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



NOTICE OF ENVIRONMENTAL SAMPLING

1 - 20093

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

MASSACHUSETTS REGULATIONS THAT REQUIRE THIS NOTICE

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

THE PERSON(S) PROVIDING THIS NOTICE

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

PURPOSE OF THIS NOTICE

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

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

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

FOR MORE INFORMATION

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

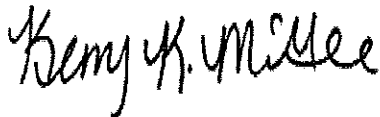
June 20, 2017

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

Project Location: 1557 East Mountain Rd., Westfield
Client Job Number:
Project Number: 183EM00170
Laboratory Work Order Number: 17F0799

Enclosed are results of analyses for samples received by the laboratory on June 14, 2017. If you have any questions concerning this report, please feel free to contact me.

Sincerely,



Kerry K. McGee
Project Manager

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

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

REPORT DATE: 6/20/2017

PURCHASE ORDER NUMBER:

PROJECT NUMBER: 183EM00170

ANALYTICAL SUMMARY

WORK ORDER NUMBER: 17F0799

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

PROJECT LOCATION: 1557 East Mountain Rd., Westfield

FIELD SAMPLE #	LAB ID:	MATRIX	SAMPLE DESCRIPTION	TEST	SUB LAB
1557 East Mountain Rd. - 1	17F0799-01	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.

EPA 537

Qualifications:

L-01

Laboratory fortified blank /laboratory control sample recovery outside of control limits. Data validation is not affected since all results are "not detected" for all samples in this batch for this compound and bias is on the high side.

Analyte & Sample(s) Qualified:

Perfluoroundecanoic acid (PFUnA)
B179482-BS1

L-05

Laboratory fortified blank/laboratory control sample recovery is outside of control limits. Reported value for this compound is likely to be biased on the high side.

Analyte & Sample(s) Qualified:

Perfluorohexanoic acid (PFHxA)
B179482-BS1

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.



Tod E. Kopycinski
Laboratory Director

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

Project Location: 1557 East Mountain Rd., Westfie

Sample Description:

Work Order: 17F0799

Date Received: 6/14/2017

Field Sample #: 1557 East Mountain Rd. - 1

Sampled: 6/14/2017 17:22

Sample ID: 17F0799-01

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	
Perfluoroundecanoic acid (PFUnA)	ND	2.0		ng/L	1		EPA 537	6/17/17	6/18/17 23:12	BLM
Perfluorotridecanoic acid (PFTrDA)	ND	2.0		ng/L	1		EPA 537	6/17/17	6/18/17 23:12	BLM
Perfluorotetradecanoic acid (PFTA)	ND	2.0		ng/L	1		EPA 537	6/17/17	6/18/17 23:12	BLM
Perfluorooctanoic acid (PFOA)	6.0	2.0		ng/L	1		EPA 537	6/17/17	6/18/17 23:12	BLM
Perfluorooctanesulfonic acid (PFOS)	ND	2.0		ng/L	1		EPA 537	6/17/17	6/18/17 23:12	BLM
Perfluorononanoic acid (PFNA)	ND	2.0		ng/L	1		EPA 537	6/17/17	6/18/17 23:12	BLM
Perfluorohexanoic acid (PFHxA)	6.5	2.0		ng/L	1		EPA 537	6/17/17	6/18/17 23:12	BLM
Perfluorohexanesulfonic acid (PFHxS)	ND	2.0		ng/L	1		EPA 537	6/17/17	6/18/17 23:12	BLM
Perfluoroheptanoic acid (PFHpA)	2.3	2.0		ng/L	1		EPA 537	6/17/17	6/18/17 23:12	BLM
Perfluorododecanoic acid (PFDoA)	ND	2.0		ng/L	1		EPA 537	6/17/17	6/18/17 23:12	BLM
Perfluorodecanoic acid (PFDA)	ND	2.0		ng/L	1		EPA 537	6/17/17	6/18/17 23:12	BLM
Perfluorobutanesulfonic acid (PFBS)	3.2	2.0		ng/L	1		EPA 537	6/17/17	6/18/17 23:12	BLM
NEtFOSAA	ND	2.0		ng/L	1		EPA 537	6/17/17	6/18/17 23:12	BLM
NMeFOSAA	ND	2.0		ng/L	1		EPA 537	6/17/17	6/18/17 23:12	BLM

Surrogates	% Recovery	Recovery Limits	Flag/Qual
13C-PFHxA	121	70-130	6/18/17 23:12
13C-PFDA	99.9	70-130	6/18/17 23:12
d5-NEtFOSAA	126	70-130	6/18/17 23:12

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Sample Extraction Data

Prep Method: EPA 537-EPA 537

Lab Number [Field ID]	Batch	Initial [mL]	Final [mL]	Date
17F0799-01 [1557 East Mountain Rd. - 1]	B179482	250	1.00	06/17/17

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 B179482 - EPA 537										
Blank (B179482-BLK1)										
					Prepared: 06/17/17 Analyzed: 06/18/17					
Perfluoroundecanoic acid (PFUnA)	ND	2.0	ng/L							
Perfluorotridecanoic acid (PFTrDA)	ND	2.0	ng/L							
Perfluorotetradecanoic acid (PFTrA)	ND	2.0	ng/L							
Perfluorooctanoic acid (PFOA)	ND	2.0	ng/L							
Perfluorooctanesulfonic acid (PFOS)	ND	2.0	ng/L							
Perfluorononanoic acid (PFNA)	ND	2.0	ng/L							
Perfluorohexanoic acid (PFHxA)	ND	2.0	ng/L							
Perfluorohexanesulfonic acid (PFHxS)	ND	2.0	ng/L							
Perfluoroheptanoic acid (PFHpA)	ND	2.0	ng/L							
Perfluorododecanoic acid (PFDoA)	ND	2.0	ng/L							
Perfluorodecanoic acid (PFDA)	ND	2.0	ng/L							
Perfluorobutanesulfonic acid (PFBS)	ND	2.0	ng/L							
NEtFOSAA	ND	2.0	ng/L							
NMeFOSAA	ND	2.0	ng/L							
Surrogate: 13C-PFHxA	48.0		ng/L	40.0		120	70-130			
Surrogate: 13C-PFDA	49.3		ng/L	40.0		123	70-130			
Surrogate: d5-NEtFOSAA	197		ng/L	160		123	70-130			
LCS (B179482-BS1)										
					Prepared: 06/17/17 Analyzed: 06/18/17					
Perfluoroundecanoic acid (PFUnA)	3.11	2.0	ng/L	2.00		155 *	50-150			L-01
Perfluorotridecanoic acid (PFTrDA)	2.71	2.0	ng/L	2.00		135	50-150			
Perfluorotetradecanoic acid (PFTrA)	2.67	2.0	ng/L	2.00		134	50-150			
Perfluorooctanoic acid (PFOA)	2.94	2.0	ng/L	2.00		147	50-150			
Perfluorooctanesulfonic acid (PFOS)	2.67	2.0	ng/L	1.85		145	50-150			
Perfluorononanoic acid (PFNA)	2.58	2.0	ng/L	2.00		129	50-150			
Perfluorohexanoic acid (PFHxA)	3.36	2.0	ng/L	2.00		168 *	50-150			L-05
Perfluorohexanesulfonic acid (PFHxS)	2.56	2.0	ng/L	1.82		140	50-150			
Perfluoroheptanoic acid (PFHpA)	2.96	2.0	ng/L	2.00		148	50-150			
Perfluorododecanoic acid (PFDoA)	2.64	2.0	ng/L	2.00		132	50-150			
Perfluorodecanoic acid (PFDA)	2.71	2.0	ng/L	2.00		135	50-150			
Perfluorobutanesulfonic acid (PFBS)	2.38	2.0	ng/L	1.77		135	50-150			
NEtFOSAA	2.95	2.0	ng/L	2.00		147	50-150			
NMeFOSAA	2.56	2.0	ng/L	2.00		128	50-150			
Surrogate: 13C-PFHxA	51.1		ng/L	40.0		128	70-130			
Surrogate: 13C-PFDA	51.8		ng/L	40.0		129	70-130			
Surrogate: d5-NEtFOSAA	205		ng/L	160		128	70-130			

FLAG/QUALIFIER SUMMARY

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

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

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

L-01	Laboratory fortified blank /laboratory control sample recovery outside of control limits. Data validation is not affected since all results are "not detected" for all samples in this batch for this compound and bias is on the high side.
L-05	Laboratory fortified blank/laboratory control sample recovery is outside of control limits. Reported value for this compound is likely to be biased on the high side.

CERTIFICATIONS

Certified Analyses included in this Report

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

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

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

17F0799



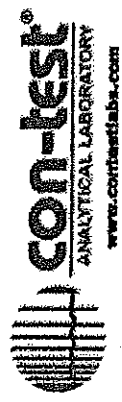
Phone: 413-525-2332
 Fax: 413-525-6405
 Email: info@contestlabs.com

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

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

Page 1 of 1

Company Name: ATC Group Services Address: 73 William Franks Drive, West Springfield, MA Phone: (413) 781-0070 Project Location: 1557 East Mountain Rd, Westfield Project Number: 183EM00170 Project Manager: Rob Smith Con-Test Quote Name/Number: Invoice Recipient: Sampled By: Elizabeth O'Connor		7-Day <input type="checkbox"/> 10-Day <input type="checkbox"/> Due Date: 5-day TAT Risk Approval Required 1-Day <input type="checkbox"/> 3-Day <input type="checkbox"/> 2-Day <input type="checkbox"/> 4-Day <input type="checkbox"/> Data Delivery Format: PDF <input checked="" type="checkbox"/> EXCEL <input checked="" type="checkbox"/> Other: CLP Like Data Pkg Required: <input type="checkbox"/> Email To: Fax To #:		Requested Turnaround Time EPA METHOD 537 ANALYSIS REQUESTED TOTAL As, Fe, HARDNESS, TOC		# of Containers Preservation Code Container Code Field Filtered Lab to Filter Field Filtered Lab to Filter	
Con-Test Work Order: 01 Client Sample ID / Description: 1557 East Mountain Rd - field blank Beginning Date / Time: 6/14/2017 17:10 Ending Date / Time: 6/14/2017 17:22 6/14/2017 17:23	Matrix Code: U Grab Code: X Composite: <input type="checkbox"/> Grab: <input checked="" type="checkbox"/> Composite: <input type="checkbox"/> Grab: <input type="checkbox"/> Composite: <input type="checkbox"/> Grab: <input type="checkbox"/>	Matrix Codes: GW = Ground Water WW = Waste Water DW = Drinking Water A = Air S = Soil SL = Sludge SOL = Solid O = Other (please define)	Preservation Codes: I = Iced H = HCL M = Methanol N = Nitric Acid S = Sulfuric Acid B = Sodium Bisulfate X = Sodium Hydroxide T = Sodium Thiosulfate O = Other (please define) TRIZMA	Container Codes: A = Amber Glass G = Glass P = Plastic ST = Sterile V = Vial S = Summa Canister T = Tedlar Bag O = Other (please define)	PCB ONLY <input type="checkbox"/> Soxhlet <input type="checkbox"/> Non Soxhlet		
Comments: RUN EPA Method 537: 1557 East Mountain Rd-1 EXTRACT & HOLD EPA Method 537: 1557 East Mountain Rd-field blank @ 1557 East Mountain Rd-2 HOLD As, Fe, Hardness, TOC		Please use the following codes to indicate possible sample concentration within the Conc Code column above: H - High; M - Medium; L - Low; C - Clean; U - Unknown		Special Requirements MA MCP Required <input type="checkbox"/> MCP Certification Form Required <input type="checkbox"/> CT RCP Required <input type="checkbox"/> RCP Certification Form Required <input type="checkbox"/> MA State DW Required <input type="checkbox"/> PWSID #			
Relinquished by: (signature) Elizabeth O'Connor Date/Time: 6/17 18:10	Received by: (signature) Date/Time: 6/17 18:10	Relinquished by: (signature) Date/Time:	Received by: (signature) Date/Time:	Relinquished by: (signature) Date/Time:	Received by: (signature) Date/Time:		
Project Entity <input type="checkbox"/> Government <input type="checkbox"/> Federal <input type="checkbox"/> City		Municipality <input type="checkbox"/> 21 J <input type="checkbox"/> Brownfield	MWRA <input type="checkbox"/> School <input type="checkbox"/> MBTA	WRTA <input type="checkbox"/> Chromatogram <input type="checkbox"/> AIHA-LAP, LLC	Other		



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



con-test
 ANALYTICAL LABORATORY

Doc# 277 Rev 5 2017

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

Client ATC

Received By PB Date 6-14-17 Time 18:10

How were the samples received? In Cooler T No Cooler On Ice T No Ice
 Direct From Sample Ambient Melted Ice

Were samples within Temperature? 2-6°C T By Gun # 0 Actual Temp - 4.8
 By Blank # Actual Temp -

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

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

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

Are Sample labels filled out and legible? T

Are there Lab to Filters? F Who was notified?

Are there Rushes? F Who was notified?

Are there Short Holds? F Who was notified?

Is there enough Volume? T

Is there Headspace where applicable? NA MS/MSD? NA
 Proper Media/Containers Used? T splitting samples require F

Were TB's received? F On COC? NA

Do All Samples Have the proper pH? Acid T Base

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

Unused Media

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

Comments:



Commonwealth of Massachusetts
Executive Office of Energy & Environmental Affairs

Department of Environmental Protection

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

Charles D. Baker
Governor

Karyn E. Polito
Lieutenant Governor

Matthew A. Beaton
Secretary

Martin Suuberg
Commissioner

July 5, 2017

Daniel Van Kruiningen
19 Indian Ridge Road
Westfield, MA 01085

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

Dear Mr. Van Kruiningen:

The Department of Environmental Protection (DEP) collected a drinking water sample from your private well on June 9, 2017. The purpose of the sampling was to investigate whether your well has been affected by a release of perfluorinated compounds (PFCs) to local groundwater. The sample was sent to a certified laboratory and analyzed for PFC compounds by modified United States Protection Agency (EPA) Method 317.1. EPA has established a Lifetime Health Advisory level at 70 parts per trillion (ppt), for two specific compounds which have been the most extensively used and studied, PFOA (perfluorooctanoic acid) and PFOS (perfluorooctane sulfonic acid). If both PFOA and PFOS are identified in drinking water the combined concentrations are compared to the 70 ppt health advisory level. The Health Advisory offers a margin of protection from a lifetime of exposure to PFOA and PFOS for all individuals from adverse health effects resulting from exposure from PFOA and PFOS in drinking water. ¹

The sampling result indicated a total PFOA and PFOS concentration of 6.2 ppt in the drinking water sample. The results of a duplicate sample confirmed these results. This concentration is well below the health advisory level of 70 ppt. In order to confirm this result, MassDEP will contact you to resample your well. MassDEP will also sample wells in the vicinity of your area in order to gather additional information. 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.

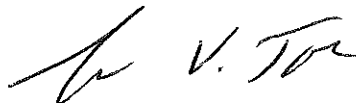
TTY# MassRelay Service 1-800-439-2370

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 n contained within, please feel free to contact David Bachand at (413) 755-2221 or Cynthia Pawloski at (413) 755-2247.

Sincerely,



Eva Tor
Deputy Regional Director
Bureau of Waste Site Cleanup

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

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

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

cc:

Denise Andler, DEP WERO
Data Entry: FOLOFF, FOLFLD



Massachusetts Department of Environmental Protection
Bureau of Waste Site Cleanup

BWSC123

This Notice is Related to:
Release Tracking Number

NOTICE OF ENVIRONMENTAL SAMPLING

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

1 - 20093

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

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

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

1. Name: Daniel Van Kruiningen
2. Street Address: 19 Indian Ridge Road
City/Town: Westfield Zip Code: 01085

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

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

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

1. Street Address: 19 Indian Ridge Road
City/Town: Westfield Zip Code: 01103

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.

A drinking water sample was collected from the private well located on the above-referenced property and analyzed for PFAS via EPA Method 537.1.

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

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



NOTICE OF ENVIRONMENTAL SAMPLING

1 - 20093

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

MASSACHUSETTS REGULATIONS THAT REQUIRE THIS NOTICE

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

THE PERSON(S) PROVIDING THIS NOTICE

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

PURPOSE OF THIS NOTICE

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

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

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

FOR MORE INFORMATION

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

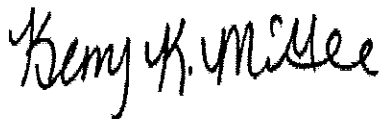
June 21, 2017

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

Project Location: 19 Indian Ridge Rd., Westfield, MA
Client Job Number:
Project Number: 183EM00170
Laboratory Work Order Number: 17F0522

Enclosed are results of analyses for samples received by the laboratory on June 9, 2017. If you have any questions concerning this report, please feel free to contact me.

Sincerely,



Kerry K. McGee
Project Manager

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

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

REPORT DATE: 6/21/2017

PURCHASE ORDER NUMBER:

PROJECT NUMBER: 183EM00170

ANALYTICAL SUMMARY

WORK ORDER NUMBER: 17F0522

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

PROJECT LOCATION: 19 Indian Ridge Rd., Westfield, MA

FIELD SAMPLE #	LAB ID:	MATRIX	SAMPLE DESCRIPTION	TEST	SUB LAB
19 Indian Ridge Rd.- 1	17F0522-01	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.

EPA 537

Qualifications:

L-01

Laboratory fortified blank /laboratory control sample recovery outside of control limits. Data validation is not affected since all results are "not detected" for all samples in this batch for this compound and bias is on the high side.

Analyte & Samples(s) Qualified:

Perfluoroundecanoic acid (PFUnA)
B179101-BS1

S-18

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

Analyte & Samples(s) Qualified:

d5-NEtFOSAA
17F0522-01[19 Indian Ridge Rd.- 1]
Perfluoroundecanoic acid (PFUnA)
17F0522-01[19 Indian Ridge Rd.- 1]

S-23

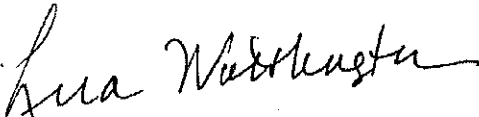
Surrogate recovery outside of control limits in BS/MS spiked sample, all reported analytes are within control criteria, data not significantly affected.

Analyte & Samples(s) Qualified:

13C-PFDA
B179101-BS1
13C-PFHxA
B179101-BS1
d5-NEtFOSAA
B179101-BS1

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

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



Lisa A. Worthington
Project Manager

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

Project Location: 19 Indian Ridge Rd., Westfield, M Sample Description:

Work Order: 17F0522

Date Received: 6/9/2017

Field Sample #: 19 Indian Ridge Rd.- 1

Sampled: 6/9/2017 09:01

Sample ID: 17F0522-01

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	
Perfluoroundecanoic acid (PFUnA)	ND	2.0		ng/L	1	S-18	EPA 537	6/13/17	6/18/17 21:17	BLM
Perfluorotridecanoic acid (PFTrDA)	ND	2.0		ng/L	1		EPA 537	6/13/17	6/18/17 21:17	BLM
Perfluorotetradecanoic acid (PFTA)	ND	2.0		ng/L	1		EPA 537	6/13/17	6/18/17 21:17	BLM
Perfluorooctanoic acid (PFOA)	3.5	2.0		ng/L	1		EPA 537	6/13/17	6/18/17 21:17	BLM
Perfluorooctanesulfonic acid (PFOS)	2.7	2.0		ng/L	1		EPA 537	6/13/17	6/18/17 21:17	BLM
Perfluorononanoic acid (PFNA)	ND	2.0		ng/L	1		EPA 537	6/13/17	6/18/17 21:17	BLM
Perfluorohexanoic acid (PFHxA)	3.4	2.0		ng/L	1		EPA 537	6/13/17	6/18/17 21:17	BLM
Perfluorohexanesulfonic acid (PFHxS)	ND	2.0		ng/L	1		EPA 537	6/13/17	6/18/17 21:17	BLM
Perfluoroheptanoic acid (PFHpA)	ND	2.0		ng/L	1		EPA 537	6/13/17	6/18/17 21:17	BLM
Perfluorododecanoic acid (PFDoA)	ND	2.0		ng/L	1		EPA 537	6/13/17	6/18/17 21:17	BLM
Perfluorodecanoic acid (PFDA)	ND	2.0		ng/L	1		EPA 537	6/13/17	6/18/17 21:17	BLM
Perfluorobutanesulfonic acid (PFBS)	ND	2.0		ng/L	1		EPA 537	6/13/17	6/18/17 21:17	BLM
NEtFOSAA	ND	2.0		ng/L	1		EPA 537	6/13/17	6/18/17 21:17	BLM
NMcFOSAA	ND	2.0		ng/L	1		EPA 537	6/13/17	6/18/17 21:17	BLM
Perfluoropentanoic acid (PFPeA)	2.3	2.0		ng/L	1		EPA 537	6/13/17	6/18/17 21:17	BLM

Surrogates	% Recovery	Recovery Limits	Flag/Qual	Date/Time
13C-PFHxA	125	70-130		6/18/17 21:17
13C-PFDA	113	70-130		6/18/17 21:17
d5-NEtFOSAA	146 *	70-130	S-18	6/18/17 21:17

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

Sample Extraction Data

Prep Method: EPA 537-EPA 537

Lab Number [Field ID]	Batch	Initial [mL]	Final [mL]	Date
17F0522-01 [19 Indian Ridge Rd.- 1]	B179101	250	1.00	06/13/17

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

QUALITY CONTROL

Miscellaneous Organic Analyses - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B179101 - EPA 537										
Blank (B179101-BLK1)										
Prepared: 06/13/17 Analyzed: 06/19/17										
Perfluoroundecanoic acid (PFUnA)	ND	2.0	ng/L							
Perfluorotridecanoic acid (PFTriDA)	ND	2.0	ng/L							
Perfluorotetradecanoic acid (PFTA)	ND	2.0	ng/L							
Perfluorooctanoic acid (PFOA)	ND	2.0	ng/L							
Perfluorooctanesulfonic acid (PFOS)	ND	2.0	ng/L							
Perfluorononanoic acid (PFNA)	ND	2.0	ng/L							
Perfluorohexanoic acid (PFHxA)	ND	2.0	ng/L							
Perfluorohexanesulfonic acid (PFHxS)	ND	2.0	ng/L							
Perfluoroheptanoic acid (PFHpA)	ND	2.0	ng/L							
Perfluorododecanoic acid (PFDoA)	ND	2.0	ng/L							
Perfluorodecanoic acid (PFDA)	ND	2.0	ng/L							
Perfluorobutanesulfonic acid (PFBS)	ND	2.0	ng/L							
NEtFOSAA	ND	2.0	ng/L							
NMeFOSAA	ND	2.0	ng/L							
Surrogate: 13C-PFHxA	37.0		ng/L	40.0		92.4	70-130			
Surrogate: 13C-PFDA	37.2		ng/L	40.0		93.0	70-130			
Surrogate: d5-NEtFOSAA	156		ng/L	160		97.4	70-130			
LCS (B179101-BS1)										
Prepared: 06/13/17 Analyzed: 06/18/17										
Perfluoroundecanoic acid (PFUnA)	26.2	2.0	ng/L	20.0		131	* 70-130			L-01
Perfluorotridecanoic acid (PFTriDA)	25.4	2.0	ng/L	20.0		127	70-130			
Perfluorotetradecanoic acid (PFTA)	25.1	2.0	ng/L	20.0		125	70-130			
Perfluorooctanoic acid (PFOA)	25.6	2.0	ng/L	20.0		128	70-130			
Perfluorooctanesulfonic acid (PFOS)	21.9	2.0	ng/L	18.5		118	70-130			
Perfluorononanoic acid (PFNA)	25.0	2.0	ng/L	20.0		125	70-130			
Perfluorohexanoic acid (PFHxA)	25.6	2.0	ng/L	20.0		128	70-130			
Perfluorohexanesulfonic acid (PFHxS)	23.5	2.0	ng/L	18.2		129	70-130			
Perfluoroheptanoic acid (PFHpA)	25.6	2.0	ng/L	20.0		128	70-130			
Perfluorododecanoic acid (PFDoA)	24.8	2.0	ng/L	20.0		124	70-130			
Perfluorodecanoic acid (PFDA)	25.6	2.0	ng/L	20.0		128	70-130			
Perfluorobutanesulfonic acid (PFBS)	22.6	2.0	ng/L	17.7		128	70-130			
NEtFOSAA	25.9	2.0	ng/L	20.0		130	70-130			
NMeFOSAA	25.8	2.0	ng/L	20.0		129	70-130			
Perfluoropentanoic acid (PFPeA)	24.1	2.0	ng/L	20.0		120	70-130			
Surrogate: 13C-PFHxA	62.4		ng/L	40.0		156	* 70-130			S-23
Surrogate: 13C-PFDA	63.1		ng/L	40.0		158	* 70-130			S-23
Surrogate: d5-NEtFOSAA	265		ng/L	160		166	* 70-130			S-23

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.
L-01	Laboratory fortified blank /laboratory control sample recovery outside of control limits. Data validation is not affected since all results are "not detected" for all samples in this batch for this compound and bias is on the high side.
S-18	Surrogate recovery is outside of control limits, matrix interference suspected. Insufficient sample available for reanalysis.
S-23	Surrogate recovery outside of control limits in BS/MS spiked sample, all reported analytes are within control criteria, data not significantly affected.

CERTIFICATIONS

Certified Analyses included in this Report

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

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

Code	Description	Number	Expires
AIHA	AIHA-LAP, LLC - ISO17025:2005	100033	02/11/2018
MA	Massachusetts DEP	M-MA100	06/30/2018
CT	Connecticut Department of Public Health	PH-0567	09/30/2017
NY	New York State Department of Health	10899 NELAP	04/1/2018
NH-S	New Hampshire Environmental Lab	2516 NELAP	02/5/2018
RI	Rhode Island Department of Health	LAO00112	12/30/2017
NC	North Carolina Div. of Water Quality	652	12/31/2017
NJ	New Jersey DEP	MA007 NELAP	06/30/2018
FL	Florida Department of Health	E871027 NELAP	06/30/2018
VT	Vermont Department of Health Lead Laboratory	LL015036	07/30/2017
ME	State of Maine	2011028	06/9/2019
VA	Commonwealth of Virginia	460217	12/14/2017
NH-P	New Hampshire Environmental Lab	2557 NELAP	09/6/2017
VT-DW	Vermont Department of Health Drinking Water	VT-255716	06/12/2018

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 RLF Date 6/9/17 Time 1813
 How were the samples received? In Cooler T No Cooler On Ice T No Ice
 Direct From Sample sampled same day Ambient Melted Ice
 Were samples within Temperature? 2-6°C F By Gun # 2 Actual Temp - 14.1°C
 By Blank # Actual Temp -
 Was Custody Seal Intact? NA Were Samples Tampered with? F
 Was COC Relinquished? T Does Chain Agree With Samples? T
 Are there broken/leaking/loose caps on any samples? F
 Is COC in Ink/ Legible? T Were samples received within holding time? T
 Did COC include all pertinent information? Client? T Analysis? T Sampler Name? T
 Project? T ID's? T Collection Dates/Times? T
 Are Sample labels filled out and legible? T
 Are there Lab to Filters? F Who was notified? NA
 Are there Rushes? F Who was notified? NA
 Are there Short Holds? F Who was notified? NA
 Is there enough Volume? T
 Is there Headspace where applicable? T 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:

[Empty box for 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

July 5, 2017

William & Dina Mead
43 Indian Ridge Road
Westfield, MA 01085

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

Dear Mr. & Mrs. Mead:

The Department of Environmental Protection (DEP) collected a drinking water sample from your private well on June 14, 2017. The purpose of the sampling was to investigate whether your well has been affected by a release of perfluorinated compounds (PFCs) to local groundwater. The sample was sent to a certified laboratory and analyzed for PFC compounds by modified United States Protection Agency (EPA) Method 317.1. EPA has established a Lifetime Health Advisory level at 70 parts per trillion (ppt), for two specific compounds which have been the most extensively used and studied, PFOA (perfluorooctanoic acid) and PFOS (perfluorooctane sulfonic acid). If both PFOA and PFOS are identified in drinking water the combined concentrations are compared to the 70 ppt health advisory level. The Health Advisory offers a margin of protection from a lifetime of exposure to PFOA and PFOS for all individuals from adverse health effects resulting from exposure from PFOA and PFOS in drinking water.¹

The sampling result indicated a total PFOA and PFOS concentration of 8 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. In order to confirm this result, MassDEP will contact you to resample your well. MassDEP will also sample wells in the vicinity of your area in order to gather additional information. The Department thanks you for granting access to your property.

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

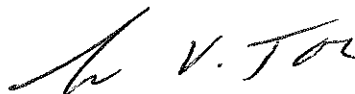
TTY# MassRelay Service 1-800-439-2370

MassDEP Website: www.mass.gov/dep

Printed on Recycled Paper

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

Sincerely,



Eva Tor
Deputy Regional Director
Bureau of Waste Site Cleanup

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

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

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

cc:

Denise Andler, DEP WERO
Data Entry: FOLOFF, FOLFLD



Massachusetts Department of Environmental Protection
Bureau of Waste Site Cleanup

BWSC123

This Notice is Related to:
Release Tracking Number

NOTICE OF ENVIRONMENTAL SAMPLING

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

1 - 20093

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

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

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

1. Name: William & Dina Mead
2. Street Address: 43 Indian Ridge Road
City/Town: Westfield Zip Code: 01085

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

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

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

1. Street Address: 43 Indian Ridge Road
City/Town: Westfield Zip Code: 01103

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.

A drinking water sample was collected from the private well located on the above-referenced property and analyzed for PFAS via EPA Method 537.1.

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

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



NOTICE OF ENVIRONMENTAL SAMPLING

1 - 20093

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

MASSACHUSETTS REGULATIONS THAT REQUIRE THIS NOTICE

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

THE PERSON(S) PROVIDING THIS NOTICE

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

PURPOSE OF THIS NOTICE

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

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

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

FOR MORE INFORMATION

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

June 20, 2017

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

Project Location: 43 Indian Ridge Rd., Westfield, MA
Client Job Number:
Project Number: 183EM00170
Laboratory Work Order Number: 17F0794

Enclosed are results of analyses for samples received by the laboratory on June 14, 2017. If you have any questions concerning this report, please feel free to contact me.

Sincerely,



Kerry K. McGee
Project Manager

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

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

REPORT DATE: 6/20/2017

PURCHASE ORDER NUMBER:

PROJECT NUMBER: 183EM00170

ANALYTICAL SUMMARY

WORK ORDER NUMBER: 17F0794

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

PROJECT LOCATION: 43 Indian Ridge Rd., Westfield, MA

FIELD SAMPLE #	LAB ID:	MATRIX	SAMPLE DESCRIPTION	TEST	SUB LAB
43 Indian Ridge Rd. - 1	17F0794-01	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.

EPA 537

Qualifications:

L-01

Laboratory fortified blank /laboratory control sample recovery outside of control limits. Data validation is not affected since all results are "not detected" for all samples in this batch for this compound and bias is on the high side.

Analyte & Samples(s) Qualified:

Perfluoroundecanoic acid (PFUnA)
B179482-BS1

L-05

Laboratory fortified blank/laboratory control sample recovery is outside of control limits. Reported value for this compound is likely to be biased on the high side.

Analyte & Samples(s) Qualified:

Perfluorohexanoic acid (PFHxA)
B179482-BS1

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

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



Lisa A. Worthington
Project Manager

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

Project Location: 43 Indian Ridge Rd., Westfield, M Sample Description:

Work Order: 17F0794

Date Received: 6/14/2017

Field Sample #: 43 Indian Ridge Rd. - 1

Sampled: 6/14/2017 09:08

Sample ID: 17F0794-01

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	
Perfluoroundecanoic acid (PFUnA)	ND	2.0		ng/L	1		EPA 537	6/17/17	6/18/17 22:21	BLM
Perfluorotridecanoic acid (PFTrDA)	ND	2.0		ng/L	1		EPA 537	6/17/17	6/18/17 22:21	BLM
Perfluorotetradecanoic acid (PFTA)	ND	2.0		ng/L	1		EPA 537	6/17/17	6/18/17 22:21	BLM
Perfluorooctanoic acid (PFOA)	4.4	2.0		ng/L	1		EPA 537	6/17/17	6/18/17 22:21	BLM
Perfluorooctanesulfonic acid (PFOS)	3.6	2.0		ng/L	1		EPA 537	6/17/17	6/18/17 22:21	BLM
Perfluorononanoic acid (PFNA)	ND	2.0		ng/L	1		EPA 537	6/17/17	6/18/17 22:21	BLM
Perfluorohexanoic acid (PFHxA)	4.7	2.0		ng/L	1		EPA 537	6/17/17	6/18/17 22:21	BLM
Perfluorohexanesulfonic acid (PFHxS)	4.1	2.0		ng/L	1		EPA 537	6/17/17	6/18/17 22:21	BLM
Perfluoroheptanoic acid (PFHpA)	ND	2.0		ng/L	1		EPA 537	6/17/17	6/18/17 22:21	BLM
Perfluorododecanoic acid (PFDoA)	ND	2.0		ng/L	1		EPA 537	6/17/17	6/18/17 22:21	BLM
Perfluorodecanoic acid (PFDA)	ND	2.0		ng/L	1		EPA 537	6/17/17	6/18/17 22:21	BLM
Perfluorobutanesulfonic acid (PFBS)	4.1	2.0		ng/L	1		EPA 537	6/17/17	6/18/17 22:21	BLM
NEtFOSAA	ND	2.0		ng/L	1		EPA 537	6/17/17	6/18/17 22:21	BLM
NMeFOSAA	ND	2.0		ng/L	1		EPA 537	6/17/17	6/18/17 22:21	BLM
Surrogates		% Recovery		Recovery Limits		Flag/Qual				
13C-PFHxA		128		70-130					6/18/17 22:21	
13C-PFDA		95.8		70-130					6/18/17 22:21	
d5-NEtFOSAA		130		70-130					6/18/17 22:21	

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

Sample Extraction Data

Prep Method: EPA 537-EPA 537

Lab Number [Field ID]	Batch	Initial [mL]	Final [mL]	Date
17F0794-01 [43 Indian Ridge Rd. - 1]	B179482	250	1.00	06/17/17

QUALITY CONTROL

Miscellaneous Organic Analyses - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B179482 - EPA 537										
Blank (B179482-BLK1)										
Prepared: 06/17/17 Analyzed: 06/18/17										
Perfluoroundecanoic acid (PFUnA)	ND	2.0	ng/L							
Perfluorotridecanoic acid (PFTrDA)	ND	2.0	ng/L							
Perfluorotetradecanoic acid (PFTA)	ND	2.0	ng/L							
Perfluorooctanoic acid (PFOA)	ND	2.0	ng/L							
Perfluorooctanesulfonic acid (PFOS)	ND	2.0	ng/L							
Perfluorononanoic acid (PFNA)	ND	2.0	ng/L							
Perfluorohexanoic acid (PFHxA)	ND	2.0	ng/L							
Perfluorohexanesulfonic acid (PFHxS)	ND	2.0	ng/L							
Perfluoroheptanoic acid (PFHpA)	ND	2.0	ng/L							
Perfluorododecanoic acid (PFDoA)	ND	2.0	ng/L							
Perfluorodecanoic acid (PFDA)	ND	2.0	ng/L							
Perfluorobutanesulfonic acid (PFBS)	ND	2.0	ng/L							
NEtFOSAA	ND	2.0	ng/L							
NMeFOSAA	ND	2.0	ng/L							
Surrogate: 13C-PFHxA	48.0		ng/L	40.0		120	70-130			
Surrogate: 13C-PFDA	49.3		ng/L	40.0		123	70-130			
Surrogate: d5-NEtFOSAA	197		ng/L	160		123	70-130			
LCS (B179482-BS1)										
Prepared: 06/17/17 Analyzed: 06/18/17										
Perfluoroundecanoic acid (PFUnA)	3.11	2.0	ng/L	2.00		155 *	50-150			L-01
Perfluorotridecanoic acid (PFTrDA)	2.71	2.0	ng/L	2.00		135	50-150			
Perfluorotetradecanoic acid (PFTA)	2.67	2.0	ng/L	2.00		134	50-150			
Perfluorooctanoic acid (PFOA)	2.94	2.0	ng/L	2.00		147	50-150			
Perfluorooctanesulfonic acid (PFOS)	2.67	2.0	ng/L	1.85		145	50-150			
Perfluorononanoic acid (PFNA)	2.58	2.0	ng/L	2.00		129	50-150			
Perfluorohexanoic acid (PFHxA)	3.36	2.0	ng/L	2.00		168 *	50-150			L-05
Perfluorohexanesulfonic acid (PFHxS)	2.56	2.0	ng/L	1.82		140	50-150			
Perfluoroheptanoic acid (PFHpA)	2.96	2.0	ng/L	2.00		148	50-150			
Perfluorododecanoic acid (PFDoA)	2.64	2.0	ng/L	2.00		132	50-150			
Perfluorodecanoic acid (PFDA)	2.71	2.0	ng/L	2.00		135	50-150			
Perfluorobutanesulfonic acid (PFBS)	2.38	2.0	ng/L	1.77		135	50-150			
NEtFOSAA	2.95	2.0	ng/L	2.00		147	50-150			
NMeFOSAA	2.56	2.0	ng/L	2.00		128	50-150			
Surrogate: 13C-PFHxA	51.1		ng/L	40.0		128	70-130			
Surrogate: 13C-PFDA	51.8		ng/L	40.0		129	70-130			
Surrogate: d5-NEtFOSAA	205		ng/L	160		128	70-130			

FLAG/QUALIFIER SUMMARY

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

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

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

L-01	Laboratory fortified blank /laboratory control sample recovery outside of control limits. Data validation is not affected since all results are "not detected" for all samples in this batch for this compound and bias is on the high side.
L-05	Laboratory fortified blank/laboratory control sample recovery is outside of control limits. Reported value for this compound is likely to be biased on the high side.

CERTIFICATIONS

Certified Analyses included in this Report

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

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

Code	Description	Number	Expires
AIHA	AIHA-LAP, LLC - ISO17025:2005	I00033	02/1/2018
MA	Massachusetts DEP	M-MA100	06/30/2018
CT	Connecticut Department of Public Health	PH-0567	09/30/2017
NY	New York State Department of Health	10899 NELAP	04/1/2018
NH-S	New Hampshire Environmental Lab	2516 NELAP	02/5/2018
RI	Rhode Island Department of Health	LAO00112	12/30/2017
NC	North Carolina Div. of Water Quality	652	12/31/2017
NJ	New Jersey DEP	MA007 NELAP	06/30/2018
FL	Florida Department of Health	E871027 NELAP	06/30/2018
VT	Vermont Department of Health Lead Laboratory	LL015036	07/30/2017
ME	State of Maine	2011028	06/9/2019
VA	Commonwealth of Virginia	460217	12/14/2017
NH-P	New Hampshire Environmental Lab	2557 NELAP	09/6/2017
VT-DW	Vermont Department of Health Drinking Water	VT-255716	06/12/2018

17F0794



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

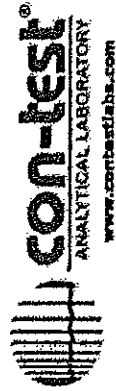
http://www.contestlabs.com

CHAIN OF CUSTODY RECORD

39 Spruce Street
 East Longmeadow, MA 01028

Page 1 of 1

Client Name: ATC Group Services Address: 73 William Franks Drive, West Springfield, MA (413) 781-0070 Project Location: 43 Indian Ridge Rd, Westfield Project Number: 183EM00170 Project Manager: Rob Smith Con-Test Quote Name/Number: Invoice Recipient: Sampled By: Elizabeth O'Connor		7-Day <input type="checkbox"/> 10-Day <input type="checkbox"/> Due Date: 5-day TAT Rush Approval Requested <input type="checkbox"/> 1-Day <input type="checkbox"/> 3-Day <input type="checkbox"/> 2-Day <input type="checkbox"/> 4-Day <input type="checkbox"/> Format: PDF <input checked="" type="checkbox"/> EXCEL <input checked="" type="checkbox"/> Other: CLP Like Data Pkg Required: <input type="checkbox"/> Email To: Fax To #:		EPA METHOD 537 ANALYSIS REQUESTED TOTAL As, Fe, HARDNESS, TOC		# of Containers Preservation Code Container Code Dissolved Metal Samples <input type="radio"/> Field Filtered <input type="radio"/> Lab to Filter Organic/Aqueous 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 Composites Grab Matrix Code Conc Code	01 43 Indian Ridge Rd - field blank 6/14/2017 8:53 6/14/2017 9:08 6/14/2017 9:09	X X X	DW DW DW	U U U	1 Matrix Codes: GW = Ground Water WW = Waste Water DW = Drinking Water A = Air S = Soil SL = Sludge SOL = Solid O = Other (please define) 2 Preservation Codes: I = Iced H = HCL M = Methanol N = Nitric Acid S = Sulfuric Acid B = Sodium Bisulfate X = Sodium Hydroxide T = Sodium Thiosulfate O = Other (please define) TRIZMA 3 Container Codes: A = Amber Glass G = Glass P = Plastic ST = Sterile V = Vial S = Summa Canister T = Tedlar Bag O = Other (please define)		
Comments: RUN EPA Method 537: 43 Indian Ridge Rd-1 EXTRACT & HOLD EPA Method 537: 43 Indian Ridge Rd-field blank & 43 Indian Ridge Rd-2 HOLD As, Fe, Hardness, TOC		Please use the following codes to indicate possible sample concentration within the Conc Code column above: H - High; M - Medium; L - Low; C - Clean; U - Unknown					
Relinquished by: (signature) Elizabeth O'Connor Date/Time: 6/14/17 1810		Special Requirements: MA MCP Required <input type="checkbox"/> MCP Certification Form Required <input type="checkbox"/> CT RCP Required <input type="checkbox"/> RCP Certification Form Required <input type="checkbox"/> MA State DW Required <input type="checkbox"/> PWSID #					
Received by: (signature) Date/Time:		Project Entity: <input type="checkbox"/> Government <input type="checkbox"/> Federal <input type="checkbox"/> City <input type="checkbox"/> Municipality <input type="checkbox"/> 21 J <input type="checkbox"/> Brownfield <input type="checkbox"/> MWRA <input type="checkbox"/> School <input type="checkbox"/> MBTA <input type="checkbox"/> WRTA <input type="checkbox"/> Chromatogram <input type="checkbox"/> AIHA-LAP, LLC Other:					
Relinquished by: (signature) Date/Time:		PCB ONLY <input type="checkbox"/> Soxhlet <input type="checkbox"/> 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 DB Date 6-14-17 Time 18:10

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

Were samples within Temperature? 2-6°C T By Gun # 0 Actual Temp - 4.8
 By Blank # _____ Actual Temp - _____

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

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

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

Are Sample labels filled out and legible? T

Are there Lab to Filters? F Who was notified? _____
 Are there Rushes? F Who was notified? _____

Are there Short Holds? F Who was notified? _____
 Is there enough Volume? T

Is there Headspace where applicable? NA MS/MSD? NA
 Proper Media/Containers Used? T splitting samples require F

Were TB's received? F On COC? NA
 Do All Samples Have the proper pH? Acid T Base _____

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

Unused Media

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

Comments:

[Empty box for 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

July 5, 2017

Jeffery & Carol Burke
1534 East Mountain Road
Westfield, MA 01085

RE: Notice of Environmental Sampling
1534 East Mountain Road
Westfield Private Well Sampling

Dear Mr. & Mrs. Burke:

The Department of Environmental Protection (DEP) collected a drinking water sample from your private well on June 14, 2017. The purpose of the sampling was to investigate whether your well has been affected by a release of perfluorinated compounds (PFCs) to local groundwater. The sample was sent to a certified laboratory and analyzed for PFC compounds by modified United States Protection Agency (EPA) Method 317.1. EPA has established a Lifetime Health Advisory level at 70 parts per trillion (ppt), for two specific compounds which have been the most extensively used and studied, PFOA (perfluorooctanoic acid) and PFOS (perfluorooctane sulfonic acid). If both PFOA and PFOS are identified in drinking water the combined concentrations are compared to the 70 ppt health advisory level. The Health Advisory offers a margin of protection from a lifetime of exposure to PFOA and PFOS for all individuals from adverse health effects resulting from exposure from PFOA and PFOS in drinking water. ¹

The sampling result indicated a total PFOA and PFOS concentration of 2.5 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. In order to confirm this result, MassDEP will contact you to resample your well. MassDEP will also sample wells in the vicinity of your area in order to gather additional information. 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

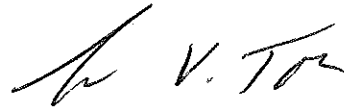
MassDEP Website: www.mass.gov/dep

Printed on Recycled Paper

Notice of Environmental Sampling
1534 East Mountain Road
Westfield, RTN: 1-20093
Page 2 of 2

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

Sincerely,



Eva Tor
Deputy Regional Director
Bureau of Waste Site Cleanup

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

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

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

cc:

Denise Andler, DEP WERO
Data Entry: FOLOFF, FOLFLD



Massachusetts Department of Environmental Protection
Bureau of Waste Site Cleanup

BWSC123

This Notice is Related to:
Release Tracking Number

NOTICE OF ENVIRONMENTAL SAMPLING

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

1 - 20093

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

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

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

1. Name: Jeffery & Carol Burke
2. Street Address: 1534 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: 1534 East Mountain Road
City/Town: Westfield Zip Code: 01103

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.

A drinking water sample was collected from the private well located on the above-referenced property and analyzed for PFAS via EPA Method 537.1.

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

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



Massachusetts Department of Environmental Protection
Bureau of Waste Site Cleanup

BWSC123

This Notice is Related to:
Release Tracking Number

NOTICE OF ENVIRONMENTAL SAMPLING

1 - 20093

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

MASSACHUSETTS REGULATIONS THAT REQUIRE THIS NOTICE

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

THE PERSON(S) PROVIDING THIS NOTICE

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

PURPOSE OF THIS NOTICE

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

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

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

FOR MORE INFORMATION

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

June 20, 2017

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

Project Location: 1534 East Mountain Rd., Westfield
Client Job Number:
Project Number: 183EM00170
Laboratory Work Order Number: 17F0801

Enclosed are results of analyses for samples received by the laboratory on June 14, 2017. If you have any questions concerning this report, please feel free to contact me.

Sincerely,



Kerry K. McGee
Project Manager

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

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

REPORT DATE: 6/20/2017

PURCHASE ORDER NUMBER:

PROJECT NUMBER: 183EM00170

ANALYTICAL SUMMARY

WORK ORDER NUMBER: 17F0801

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

PROJECT LOCATION: 1534 East Mountain Rd., Westfield

FIELD SAMPLE #	LAB ID:	MATRIX	SAMPLE DESCRIPTION	TEST	SUB LAB
1534 East Mountain Rd. - 1	17F0801-01	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.

EPA 537

Qualifications:

L-01

Laboratory fortified blank /laboratory control sample recovery outside of control limits. Data validation is not affected since all results are "not detected" for all samples in this batch for this compound and bias is on the high side.

Analyte & Sample(s) Qualified:

Perfluoroundecanoic acid (PFUnA)
B179482-BS1

L-05

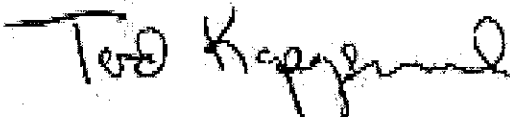
Laboratory fortified blank/laboratory control sample recovery is outside of control limits. Reported value for this compound is likely to be biased on the high side.

Analyte & Sample(s) Qualified:

Perfluorohexanoic acid (PFHxA)
B179482-BS1

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.



Tod E. Kopycinski
Laboratory Director

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

Project Location: 1534 East Mountain Rd., Westfie

Sample Description:

Work Order: 17F0801

Date Received: 6/14/2017

Field Sample #: 1534 East Mountain Rd. - 1

Sampled: 6/14/2017 15:37

Sample ID: 17F0801-01

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	
Perfluoroundecanoic acid (PFUnA)	ND	2.0		ng/L	1		EPA 537	6/17/17	6/18/17 23:37	BLM
Perfluorotridecanoic acid (PFTrDA)	ND	2.0		ng/L	1		EPA 537	6/17/17	6/18/17 23:37	BLM
Perfluorotetradecanoic acid (PFTA)	ND	2.0		ng/L	1		EPA 537	6/17/17	6/18/17 23:37	BLM
Perfluorooctanoic acid (PFOA)	2.5	2.0		ng/L	1		EPA 537	6/17/17	6/18/17 23:37	BLM
Perfluorooctanesulfonic acid (PFOS)	ND	2.0		ng/L	1		EPA 537	6/17/17	6/18/17 23:37	BLM
Perfluorononanoic acid (PFNA)	ND	2.0		ng/L	1		EPA 537	6/17/17	6/18/17 23:37	BLM
Perfluorohexanoic acid (PFHxA)	2.1	2.0		ng/L	1		EPA 537	6/17/17	6/18/17 23:37	BLM
Perfluorohexanesulfonic acid (PFHxS)	ND	2.0		ng/L	1		EPA 537	6/17/17	6/18/17 23:37	BLM
Perfluoroheptanoic acid (PFHpA)	ND	2.0		ng/L	1		EPA 537	6/17/17	6/18/17 23:37	BLM
Perfluorododecanoic acid (PFDoA)	ND	2.0		ng/L	1		EPA 537	6/17/17	6/18/17 23:37	BLM
Perfluorodecanoic acid (PFDA)	ND	2.0		ng/L	1		EPA 537	6/17/17	6/18/17 23:37	BLM
Perfluorobutanesulfonic acid (PFBS)	ND	2.0		ng/L	1		EPA 537	6/17/17	6/18/17 23:37	BLM
NEtFOSAA	ND	2.0		ng/L	1		EPA 537	6/17/17	6/18/17 23:37	BLM
NMeFOSAA	ND	2.0		ng/L	1		EPA 537	6/17/17	6/18/17 23:37	BLM

Surrogates	% Recovery	Recovery Limits	Flag/Qual	Date/Time
13C-PFHxA	123	70-130		6/18/17 23:37
13C-PFDA	97.4	70-130		6/18/17 23:37
d5-NEtFOSAA	122	70-130		6/18/17 23:37

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Sample Extraction Data

Prep Method: EPA 537-EPA 537

Lab Number [Field ID]	Batch	Initial [mL]	Final [mL]	Date
17F0801-01 [1534 East Mountain Rd. - 1]	B179482	250	1.00	06/17/17

QUALITY CONTROL

Miscellaneous Organic Analyses - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B179482 - EPA 537										
Blank (B179482-BLK1)										
Prepared: 06/17/17 Analyzed: 06/18/17										
Perfluoroundecanoic acid (PFUnA)	ND	2.0	ng/L							
Perfluorotridecanoic acid (PFTrDA)	ND	2.0	ng/L							
Perfluorotetradecanoic acid (PFTA)	ND	2.0	ng/L							
Perfluorooctanoic acid (PFOA)	ND	2.0	ng/L							
Perfluorooctanesulfonic acid (PFOS)	ND	2.0	ng/L							
Perfluorononanoic acid (PFNA)	ND	2.0	ng/L							
Perfluorohexanoic acid (PFHxA)	ND	2.0	ng/L							
Perfluorohexanesulfonic acid (PFHxS)	ND	2.0	ng/L							
Perfluoroheptanoic acid (PFHpA)	ND	2.0	ng/L							
Perfluorododecanoic acid (PFDoA)	ND	2.0	ng/L							
Perfluorodecanoic acid (PFDA)	ND	2.0	ng/L							
Perfluorobutanesulfonic acid (PFBS)	ND	2.0	ng/L							
NEtFOSAA	ND	2.0	ng/L							
NMeFOSAA	ND	2.0	ng/L							
Surrogate: 13C-PFHxA	48.0		ng/L	40.0		120	70-130			
Surrogate: 13C-PFDA	49.3		ng/L	40.0		123	70-130			
Surrogate: d5-NEtFOSAA	197		ng/L	160		123	70-130			
LCS (B179482-BS1)										
Prepared: 06/17/17 Analyzed: 06/18/17										
Perfluoroundecanoic acid (PFUnA)	3.11	2.0	ng/L	2.00		155 *	50-150			L-01
Perfluorotridecanoic acid (PFTrDA)	2.71	2.0	ng/L	2.00		135	50-150			
Perfluorotetradecanoic acid (PFTA)	2.67	2.0	ng/L	2.00		134	50-150			
Perfluorooctanoic acid (PFOA)	2.94	2.0	ng/L	2.00		147	50-150			
Perfluorooctanesulfonic acid (PFOS)	2.67	2.0	ng/L	1.85		145	50-150			
Perfluorononanoic acid (PFNA)	2.58	2.0	ng/L	2.00		129	50-150			
Perfluorohexanoic acid (PFHxA)	3.36	2.0	ng/L	2.00		168 *	50-150			L-05
Perfluorohexanesulfonic acid (PFHxS)	2.56	2.0	ng/L	1.82		140	50-150			
Perfluoroheptanoic acid (PFHpA)	2.96	2.0	ng/L	2.00		148	50-150			
Perfluorododecanoic acid (PFDoA)	2.64	2.0	ng/L	2.00		132	50-150			
Perfluorodecanoic acid (PFDA)	2.71	2.0	ng/L	2.00		135	50-150			
Perfluorobutanesulfonic acid (PFBS)	2.38	2.0	ng/L	1.77		135	50-150			
NEtFOSAA	2.95	2.0	ng/L	2.00		147	50-150			
NMeFOSAA	2.56	2.0	ng/L	2.00		128	50-150			
Surrogate: 13C-PFHxA	51.1		ng/L	40.0		128	70-130			
Surrogate: 13C-PFDA	51.8		ng/L	40.0		129	70-130			
Surrogate: d5-NEtFOSAA	205		ng/L	160		128	70-130			

FLAG/QUALIFIER SUMMARY

- * QC result is outside of established limits.
 - † Wide recovery limits established for difficult compound.
 - ‡ Wide RPD limits established for difficult compound.
 - # Data exceeded client recommended or regulatory level
 - ND Not Detected
 - RL Reporting Limit
 - DL Method Detection Limit
 - MCL Maximum Contaminant Level
- Percent recoveries and relative percent differences (RPDs) are determined by the software using values in the calculation which have not been rounded.
- No results have been blank subtracted unless specified in the case narrative section.
- L-01 Laboratory fortified blank /laboratory control sample recovery outside of control limits. Data validation is not affected since all results are "not detected" for all samples in this batch for this compound and bias is on the high side.
 - L-05 Laboratory fortified blank/laboratory control sample recovery is outside of control limits. Reported value for this compound is likely to be biased on the high side.

CERTIFICATIONS

Certified Analyses included in this Report

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

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

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

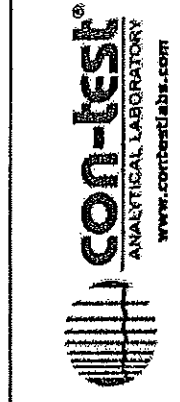
17F0801
 con-test[®]
 ANALYTICAL LABORATORY
 Phone: 413-525-2332
 Fax: 413-525-6405
 Email: info@contestlabs.com

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

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

Page 1 of 1

Company Name: ATC Group Services Address: 73 William Franks Drive, West Springfield, MA (413) 781-0070 Phone: 1534 East Mountain Rd, Westfield Project Location: 1534 East Mountain Rd, Westfield Project Number: 183EM00170 Project Manager: Rob Smith Con-Test Quote Name/Number: Invoice Recipient: Sampled By: Elizabeth O'Connor		7-Day <input type="checkbox"/> 10-Day <input type="checkbox"/> Due Date: 5-day TAT 1-Day <input type="checkbox"/> 3-Day <input type="checkbox"/> 2-Day <input type="checkbox"/> 4-Day <input type="checkbox"/> Format: PDF <input checked="" type="checkbox"/> EXCEL <input checked="" type="checkbox"/> Other: CLP Like Data Pkg Required: <input type="checkbox"/> Email To: Fax To #:		3 1 2 Q N H P V ANALYSIS REQUESTED EPA METHOD 537 TOTAL AS, Fe, HARDNESS, TOC		# of Containers Preservation Code Container Code Dissolved Metal Samples <input type="radio"/> Field Filtered <input type="radio"/> Lab to Filter Other 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 Composite Grab Matrix Code Conc Code	1534 East Mountain Rd - field blank 6/14/2017 15:26 X DW U	1534 East Mountain Rd - 1 6/14/2017 15:37 X DW U	1534 East Mountain Rd - 2 6/14/2017 15:38 X DW U	1 Matrix Codes: GW = Ground Water WW = Waste Water DW = Drinking Water A = Air S = Soil SL = Sludge SOL = Solid O = Other (please define)	2 Preservation Codes: I = Iced H = HCL M = Methanol N = Nitric Acid S = Sulfuric Acid B = Sodium Bisulfate X = Sodium Hydroxide T = Sodium Thiosulfate O = Other (please define) TRIZMA 3 Container Codes: A = Amber Glass G = Glass P = Plastic ST = Sterile V = Vial S = Summa Canister T = Tedlar Bag O = Other (please define)		
Comments: RUN EPA Method 537: 1534 East Mountain Rd-1 EXTRACT & HOLD EPA Method 537: 1534 East Mountain Rd-field blank & 1534 East Mountain Rd-2 HOLD AS, Fe, Hardness, TOC							
Please use the following codes to indicate possible sample concentration within the Conc Code column above: H - High; M - Medium; L - Low; C - Clean; U - Unknown							
Relinquished by: (signature) Received by: (signature) Relinquished by: (signature)		Date/Time: 6/17/17 18:10 Date/Time: 6/17/17 18:10 Date/Time:		Special Requirements: MA MCP Required <input type="checkbox"/> MCP Certification Form Required <input type="checkbox"/> CT RCP Required <input type="checkbox"/> RCP Certification Form Required <input type="checkbox"/> MA State DW Required <input type="checkbox"/> PWSID #			
Received by: (signature) Relinquished by: (signature) Received by: (signature)		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"/> Z1 J <input type="checkbox"/> Brownfield <input type="checkbox"/> MWRA <input type="checkbox"/> School <input type="checkbox"/> MBTA <input type="checkbox"/> WRTA <input type="checkbox"/> Chromatogram <input type="checkbox"/> ALPHA-LAP, LLC Other:			



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



con-test
 ANALYTICAL LABORATORY

Doc# 277 Rev 5 2017

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

Client ATC

Received By PB Date 6-14-17 Time 18:10

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

Were samples within Temperature? 2-6°C T By Gun # 7 Actual Temp - 4.8
 By Blank # _____ Actual Temp - _____

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

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

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

Are Sample labels filled out and legible? T Who was notified? _____
 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 splitting samples require F
 Were TB's received? F On COC? NA

Do All Samples Have the proper pH? Acid T Base _____

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

Unused Media

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

Comments:



Commonwealth of Massachusetts
Executive Office of Energy & Environmental Affairs

Department of Environmental Protection

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

Charles D. Baker
Governor

Karyn E. Polito
Lieutenant Governor

Matthew A. Beaton
Secretary

Martin Suuberg
Commissioner

July 5, 2017

Patricia Leader
1588 East Mountain Road
Westfield, MA 01085

RE: Notice of Environmental Sampling
1588 East Mountain Road
Westfield Private Well Sampling

Dear Ms. Leader:

The Department of Environmental Protection (DEP) collected a drinking water sample from your private well on June 9, 2017. The purpose of the sampling was to investigate whether your well has been affected by a release of perfluorinated compounds (PFCs) to local groundwater. The sample was sent to a certified laboratory and analyzed for PFC compounds by modified United States Protection Agency (EPA) Method 317.1. EPA has established a Lifetime Health Advisory level at 70 parts per trillion (ppt), for two specific compounds which have been the most extensively used and studied, PFOA (perfluorooctanoic acid) and PFOS (perfluorooctane sulfonic acid). If both PFOA and PFOS are identified in drinking water the combined concentrations are compared to the 70 ppt health advisory level. The Health Advisory offers a margin of protection from a lifetime of exposure to PFOA and PFOS for all individuals from adverse health effects resulting from exposure from PFOA and PFOS in drinking water. ¹

The sampling result indicated a total PFOA and PFOS concentration of 7.3 ppt in the drinking water sample. The results of a duplicate sample confirmed these results. This concentration is well below the health advisory level of 70 ppt. In order to confirm this result, MassDEP will contact you to resample your well. MassDEP will also sample wells in the vicinity of your area in order to gather additional information. The Department thanks you for granting access to your property.

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


TTY# MassRelay Service 1-800-439-2370

MassDEP Website: www.mass.gov/dep

Printed on Recycled Paper

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

Sincerely,



Eva Tor
Deputy Regional Director
Bureau of Waste Site Cleanup

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

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

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

cc:

Denise Andler, DEP WERO
Data Entry: FOLOFF, FOLFLD



Massachusetts Department of Environmental Protection
Bureau of Waste Site Cleanup

BWSC123

This Notice is Related to:
Release Tracking Number

NOTICE OF ENVIRONMENTAL SAMPLING

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

1 - 20093

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

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

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

1. Name: Patricia Leader
2. Street Address: 1588 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: 1588 East Mountain Road
City/Town: Westfield Zip Code: 01103

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.

A drinking water sample was collected from the private well located on the above-referenced property and analyzed for PFAS via EPA Method 537.1.

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

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



NOTICE OF ENVIRONMENTAL SAMPLING

1 - 20093

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

MASSACHUSETTS REGULATIONS THAT REQUIRE THIS NOTICE

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

THE PERSON(S) PROVIDING THIS NOTICE

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

PURPOSE OF THIS NOTICE

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

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

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

FOR MORE INFORMATION

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


June 21, 2017

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

Project Location: 1588 East Mountain Rd., Westfield, MA
Client Job Number:
Project Number: 183EM00170
Laboratory Work Order Number: 17F0520

Enclosed are results of analyses for samples received by the laboratory on June 9, 2017. If you have any questions concerning this report, please feel free to contact me.

Sincerely,



Kerry K. McGee
Project Manager

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

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

REPORT DATE: 6/21/2017

PURCHASE ORDER NUMBER:

PROJECT NUMBER: 183EM00170

ANALYTICAL SUMMARY

WORK ORDER NUMBER: 17F0520

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

PROJECT LOCATION: 1588 East Mountain Rd., Westfield, MA

FIELD SAMPLE #	LAB ID:	MATRIX	SAMPLE DESCRIPTION	TEST	SUB LAB
1588 East Mountain Rd.- 1	17F0520-01	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.

EPA 537

Qualifications:

L-01

Laboratory fortified blank /laboratory control sample recovery outside of control limits. Data validation is not affected since all results are "not detected" for all samples in this batch for this compound and bias is on the high side.

Analyte & Samples(s) Qualified:

Perfluoroundecanoic acid (PFUnA)

B179101-BS1

S-23

Surrogate recovery outside of control limits in BS/MS spiked sample, all reported analytes are within control criteria, data not significantly affected.

Analyte & Samples(s) Qualified:

13C-PFDA

B179101-BS1

13C-PFHxA

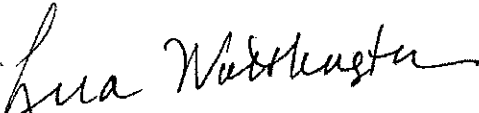
B179101-BS1

d5-NEFOSAA

B179101-BS1

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

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



Lisa A. Worthington
Project Manager

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

Project Location: 1588 East Mountain Rd., Westfic

Sample Description:

Work Order: 17F0520

Date Received: 6/9/2017

Field Sample #: 1588 East Mountain Rd.- 1

Sampled: 6/9/2017 11:32

Sample ID: 17F0520-01

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	
Perfluoroundecanoic acid (PFUnA)	ND	2.0		ng/L	1		EPA 537	6/13/17	6/18/17 20:52	BLM
Perfluorotridecanoic acid (PFTrDA)	ND	2.0		ng/L	1		EPA 537	6/13/17	6/18/17 20:52	BLM
Perfluorotetradecanoic acid (PFTA)	ND	2.0		ng/L	1		EPA 537	6/13/17	6/18/17 20:52	BLM
Perfluorooctanoic acid (PFOA)	4.8	2.0		ng/L	1		EPA 537	6/13/17	6/18/17 20:52	BLM
Perfluorooctanesulfonic acid (PFOS)	2.5	2.0		ng/L	1		EPA 537	6/13/17	6/18/17 20:52	BLM
Perfluorononanoic acid (PFNA)	ND	2.0		ng/L	1		EPA 537	6/13/17	6/18/17 20:52	BLM
Perfluorohexanoic acid (PFHxA)	3.3	2.0		ng/L	1		EPA 537	6/13/17	6/18/17 20:52	BLM
Perfluorohexanesulfonic acid (PFHxS)	2.5	2.0		ng/L	1		EPA 537	6/13/17	6/18/17 20:52	BLM
Perfluoroheptanoic acid (PFHpA)	ND	2.0		ng/L	1		EPA 537	6/13/17	6/18/17 20:52	BLM
Perfluorododecanoic acid (PFDoA)	ND	2.0		ng/L	1		EPA 537	6/13/17	6/18/17 20:52	BLM
Perfluorodecanoic acid (PFDA)	ND	2.0		ng/L	1		EPA 537	6/13/17	6/18/17 20:52	BLM
Perfluorobutanesulfonic acid (PFBS)	3.1	2.0		ng/L	1		EPA 537	6/13/17	6/18/17 20:52	BLM
NEtFOSAA	ND	2.0		ng/L	1		EPA 537	6/13/17	6/18/17 20:52	BLM
NMeFOSAA	ND	2.0		ng/L	1		EPA 537	6/13/17	6/18/17 20:52	BLM
Perfluoropentanoic acid (PFPeA)	ND	2.0		ng/L	1		EPA 537	6/13/17	6/18/17 20:52	BLM
Surrogates		% Recovery		Recovery Limits		Flag/Qual				
13C-PFHxA		100		70-130					6/18/17 20:52	
13C-PFDA		89.6		70-130					6/18/17 20:52	
d5-NEtFOSAA		105		70-130					6/18/17 20:52	

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Sample Extraction Data

Prep Method: EPA 537-EPA 537

Lab Number [Field ID]	Batch	Initial [mL]	Final [mL]	Date
17F0520-01 [1588 East Mountain Rd.- 1]	B179101	250	1.00	06/13/17

QUALITY CONTROL

Miscellaneous Organic Analyses - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B179101 - EPA 537										
Blank (B179101-BLK1)										
Prepared: 06/13/17 Analyzed: 06/19/17										
Perfluoroundecanoic acid (PFUnA)	ND	2.0	ng/L							
Perfluorotridecanoic acid (PFTrDA)	ND	2.0	ng/L							
Perfluorotetradecanoic acid (PFTA)	ND	2.0	ng/L							
Perfluorooctanoic acid (PFOA)	ND	2.0	ng/L							
Perfluorooctanesulfonic acid (PFOS)	ND	2.0	ng/L							
Perfluorononanoic acid (PFNA)	ND	2.0	ng/L							
Perfluorohexanoic acid (PFHxA)	ND	2.0	ng/L							
Perfluorohexanesulfonic acid (PFHxS)	ND	2.0	ng/L							
Perfluoroheptanoic acid (PFHpA)	ND	2.0	ng/L							
Perfluorododecanoic acid (PFDoA)	ND	2.0	ng/L							
Perfluorodecanoic acid (PFDA)	ND	2.0	ng/L							
Perfluorobutanesulfonic acid (PFBS)	ND	2.0	ng/L							
NEtFOSAA	ND	2.0	ng/L							
NMeFOSAA	ND	2.0	ng/L							
Surrogate: 13C-PFHxA	37.0		ng/L	40.0		92.4	70-130			
Surrogate: 13C-PFDA	37.2		ng/L	40.0		93.0	70-130			
Surrogate: d5-NEtFOSAA	156		ng/L	160		97.4	70-130			
LCS (B179101-BS1)										
Prepared: 06/13/17 Analyzed: 06/18/17										
Perfluoroundecanoic acid (PFUnA)	26.2	2.0	ng/L	20.0		131	* 70-130			L-01
Perfluorotridecanoic acid (PFTrDA)	25.4	2.0	ng/L	20.0		127	70-130			
Perfluorotetradecanoic acid (PFTA)	25.1	2.0	ng/L	20.0		125	70-130			
Perfluorooctanoic acid (PFOA)	25.6	2.0	ng/L	20.0		128	70-130			
Perfluorooctanesulfonic acid (PFOS)	21.9	2.0	ng/L	18.5		118	70-130			
Perfluorononanoic acid (PFNA)	25.0	2.0	ng/L	20.0		125	70-130			
Perfluorohexanoic acid (PFHxA)	25.6	2.0	ng/L	20.0		128	70-130			
Perfluorohexanesulfonic acid (PFHxS)	23.5	2.0	ng/L	18.2		129	70-130			
Perfluoroheptanoic acid (PFHpA)	25.6	2.0	ng/L	20.0		128	70-130			
Perfluorododecanoic acid (PFDoA)	24.8	2.0	ng/L	20.0		124	70-130			
Perfluorodecanoic acid (PFDA)	25.6	2.0	ng/L	20.0		128	70-130			
Perfluorobutanesulfonic acid (PFBS)	22.6	2.0	ng/L	17.7		128	70-130			
NEtFOSAA	25.9	2.0	ng/L	20.0		130	70-130			
NMeFOSAA	25.8	2.0	ng/L	20.0		129	70-130			
Perfluoropentanoic acid (PFPeA)	24.1	2.0	ng/L	20.0		120	70-130			
Surrogate: 13C-PFHxA	62.4		ng/L	40.0		156	* 70-130			S-23
Surrogate: 13C-PFDA	63.1		ng/L	40.0		158	* 70-130			S-23
Surrogate: d5-NEtFOSAA	265		ng/L	160		166	* 70-130			S-23

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.
L-01	Laboratory fortified blank /laboratory control sample recovery outside of control limits. Data validation is not affected since all results are "not detected" for all samples in this batch for this compound and bias is on the high side.
S-23	Surrogate recovery outside of control limits in BS/MS spiked sample, all reported analytes are within control criteria, data not significantly affected.

CERTIFICATIONS

Certified Analyses included in this Report

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

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

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

Company Name: ATC Group Services
 Address: 73 William Franks Dr, WSPfld, MA
 Phone: (413) 781-0070
 Project Name: 1588 East Mountain Rd, Westfield, MA
 Project Location: 1588 East Mountain Rd, Westfield, MA
 Project Number: 183EH0017D
 Project Manager: Rob Smith
 Con-Test Quote Name/Number:
 Invoice Recipient:
 Sampled By: Elizabeth O'Connor

Con-Test Work Order #	Client Sample ID / Description	Sampling Date/Time	Matrix Code	Composite	Pres	Matrix Code	Done Code
	1588 East Mountain Rd - field blank	6/9/17	DW	X		DW	U
	1588 East Mountain Rd-1	6/9/17	DW	X		DW	U
	1588 East Mountain Rd-2	6/9/17	DW	X		DW	U

Comments: Run: 1588 East Mountain Rd-1 ; Hold As, Fe, Hardness, TOC
Extract + Hold: 1588 East Mountain Rd - field blank +
1588 East Mountain Rd-2

Relinquished by: (signature) Elizabeth O'Connor Date/Time: 6/9/17 1813
 Received by: (signature) Rob Smith Date/Time: 6/9/17 1813
 Relinquished by: (signature) _____ Date/Time: _____
 Received by: (signature) _____ Date/Time: _____
 Relinquished by: (signature) _____ Date/Time: _____

# of Containers	Preservation Code	Container Code	Matrix Code	Done Code	Analysis Requested
3	N	H	DW	U	Total As, Fe, Hardness, TOC
0	N	H	DW	U	EPA Method 537
0	N	H	DW	U	
0	N	H	DW	U	
0	N	H	DW	U	

Requested Materials:
 Field Filtered
 Lab to Filter

Other Materials:
 Field Filtered
 Lab to Filter

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

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

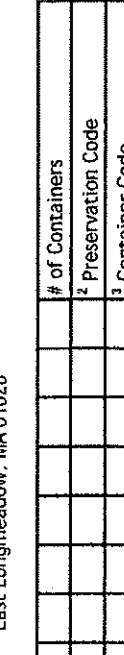
3 Container Codes:
 A = Amber Glass
 G = Glass
 P = Plastic
 ST = Sterile
 V = Vial
 S = Summa Canister
 T = Tedlar Bag
 O = Other (please define)

PCB ONLY
 Soxhlet
 Non Soxhlet

Other
 Chromatogram
 AHA-LAP, LLC

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

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



www.contestlabs.com

39 Spruce St.
 East Longmeadow, MA. 01028
 P: 413-525-2332
 F: 413-525-6405
 www.confestlabs.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 6/9/17 Time 1013
 How were the samples received? In Cooler T No Cooler On Ice T No Ice
 Direct From Sample sampled same day Ambient Melted Ice
 Were samples within Temperature? 2-6°C F By Gun # 2 Actual Temp - 14.1°C
 By Blank # Actual Temp -
 Was Custody Seal Intact? NA Were Samples Tampered with? F
 Was COC Relinquished? T Does Chain Agree With Samples? T
 Are there broken/leaking/loose caps on any samples? F
 Is COC in ink/ Legible? T Were samples received within holding time? T
 Did COC include all pertinent information? Client? T Analysis? T Sampler Name? T
 Project? T ID's? T Collection Dates/Times? T
 Are Sample labels filled out and legible? T
 Are there Lab to Filters? F Who was notified? NA
 Are there Rushes? F Who was notified? NA
 Are there Short Holds? F Who was notified? NA
 Is there enough Volume? T
 Is there Headspace where applicable? T 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:



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

July 5, 2017

Andrew & Bethany Brach
36 Indian Ridge Road
Westfield, MA 01085

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

Dear Mr. & Mrs. Brach:

The Department of Environmental Protection (DEP) collected a drinking water sample from your private well on June 9, 2017. The purpose of the sampling was to investigate whether your well has been affected by a release of perfluorinated compounds (PFCs) to local groundwater. The sample was sent to a certified laboratory and analyzed for PFC compounds by modified United States Protection Agency (EPA) Method 317.1. EPA has established a Lifetime Health Advisory level at 70 parts per trillion (ppt), for two specific compounds which have been the most extensively used and studied, PFOA (perfluorooctanoic acid) and PFOS (perfluorooctane sulfonic acid). If both PFOA and PFOS are identified in drinking water the combined concentrations are compared to the 70 ppt health advisory level. The Health Advisory offers a margin of protection from a lifetime of exposure to PFOA and PFOS for all individuals from adverse health effects resulting from exposure from PFOA and PFOS in drinking water. ¹

The sampling result indicated a total PFOA and PFOS concentration of 7.9 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. In order to confirm this result, MassDEP will contact you to resample your well. MassDEP will also sample wells in the vicinity of your area in order to gather additional information. The Department thanks you for granting access to your property.

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

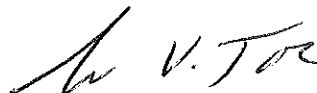
TTY# MassRelay Service 1-800-439-2370

MassDEP Website: www.mass.gov/dep

Printed on Recycled Paper

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

Sincerely,



Eva Tor
Deputy Regional Director
Bureau of Waste Site Cleanup

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

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

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

cc:

Denise Andler, DEP WERO
Data Entry: FOLOFF, FOLFLD



Massachusetts Department of Environmental Protection
Bureau of Waste Site Cleanup

BWSC123

This Notice is Related to:
Release Tracking Number

NOTICE OF ENVIRONMENTAL SAMPLING

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

1 - 20093

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

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

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

1. Name: Andrew & Bethany Brach
2. Street Address: 36 Indian Ridge Road
City/Town: Westfield Zip Code: 01085

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

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

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

1. Street Address: 36 Indian Ridge Road
City/Town: Westfield Zip Code: 01103

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.

A drinking water sample was collected from the private well located on the above-referenced property and analyzed for PFAS via EPA Method 537.1.

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

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



Massachusetts Department of Environmental Protection
Bureau of Waste Site Cleanup

BWSC123

This Notice is Related to:
Release Tracking Number

NOTICE OF ENVIRONMENTAL SAMPLING

1 - 20093

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

MASSACHUSETTS REGULATIONS THAT REQUIRE THIS NOTICE

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

THE PERSON(S) PROVIDING THIS NOTICE

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

PURPOSE OF THIS NOTICE

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

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

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

FOR MORE INFORMATION

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


June 21, 2017

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

Project Location: 36 Indian Ridge Rd., Westfield, MA
Client Job Number:
Project Number: 183EM00170
Laboratory Work Order Number: 17F0523

Enclosed are results of analyses for samples received by the laboratory on June 9, 2017. If you have any questions concerning this report, please feel free to contact me.

Sincerely,



Kerry K. McGee
Project Manager

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Chain of Custody/Sample Receipt	10



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: 6/21/2017

PURCHASE ORDER NUMBER:

PROJECT NUMBER: 183EM00170

ANALYTICAL SUMMARY

WORK ORDER NUMBER: 17F0523

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

PROJECT LOCATION: 36 Indian Ridge Rd., Westfield, MA

FIELD SAMPLE #	LAB ID:	MATRIX	SAMPLE DESCRIPTION	TEST	SUB LAB
36 Indian Ridge Rd.- 1	17F0523-01	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.

EPA 537

Qualifications:

L-01

Laboratory fortified blank /laboratory control sample recovery outside of control limits. Data validation is not affected since all results are "not detected" for all samples in this batch for this compound and bias is on the high side.

Analyte & Samples(s) Qualified:

Perfluoroundecanoic acid (PFUnA)
B179101-BS1

S-18

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

Analyte & Samples(s) Qualified:

13C-PFHxA
17F0523-01[36 Indian Ridge Rd.- 1]

S-23

Surrogate recovery outside of control limits in BS/MS spiked sample, all reported analytes are within control criteria, data not significantly affected.

Analyte & Samples(s) Qualified:

13C-PFDA
B179101-BS1
13C-PFHxA
B179101-BS1
d5-NEtFOSAA
B179101-BS1

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

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



Lisa A. Worthington
Project Manager

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

Project Location: 36 Indian Ridge Rd., Westfield, M Sample Description:

Work Order: 17F0523

Date Received: 6/9/2017

Field Sample #: 36 Indian Ridge Rd.- 1

Sampled: 6/9/2017 09:37

Sample ID: 17F0523-01

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	
Perfluoroundecanoic acid (PFUnA)	ND	2.0		ng/L	1		EPA 537	6/13/17	6/19/17 16:07	BLM
Perfluorotridecanoic acid (PFTriDA)	ND	2.0		ng/L	1		EPA 537	6/13/17	6/19/17 16:07	BLM
Perfluorotetradecanoic acid (PFTA)	ND	2.0		ng/L	1		EPA 537	6/13/17	6/19/17 16:07	BLM
Perfluorooctanoic acid (PFOA)	4.5	2.0		ng/L	1		EPA 537	6/13/17	6/19/17 16:07	BLM
Perfluorooctanesulfonic acid (PFOS)	3.2	2.0		ng/L	1		EPA 537	6/13/17	6/19/17 16:07	BLM
Perfluorononanoic acid (PFNA)	ND	2.0		ng/L	1		EPA 537	6/13/17	6/19/17 16:07	BLM
Perfluorohexanoic acid (PFHxA)	4.4	2.0		ng/L	1		EPA 537	6/13/17	6/19/17 16:07	BLM
Perfluorohexanesulfonic acid (PFHxS)	4.7	2.0		ng/L	1		EPA 537	6/13/17	6/19/17 16:07	BLM
Perfluoroheptanoic acid (PFHpA)	ND	2.0		ng/L	1		EPA 537	6/13/17	6/19/17 16:07	BLM
Perfluorododecanoic acid (PFDoA)	ND	2.0		ng/L	1		EPA 537	6/13/17	6/19/17 16:07	BLM
Perfluorodecanoic acid (PFDA)	ND	2.0		ng/L	1		EPA 537	6/13/17	6/19/17 16:07	BLM
Perfluorobutanesulfonic acid (PFBS)	2.4	2.0		ng/L	1		EPA 537	6/13/17	6/19/17 16:07	BLM
NEtFOSAA	ND	2.0		ng/L	1		EPA 537	6/13/17	6/19/17 16:07	BLM
NMeFOSAA	ND	2.0		ng/L	1		EPA 537	6/13/17	6/19/17 16:07	BLM

Surrogates	% Recovery	Recovery Limits	Flag/Qual	Date/Time
13C-PFHxA	152 *	70-130	S-18	6/19/17 16:07
13C-PFDA	128	70-130		6/19/17 16:07
d5-NEtFOSAA	127	70-130		6/19/17 16:07

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Sample Extraction Data

Prep Method: EPA 537-EPA 537

Lab Number [Field ID]	Batch	Initial [mL]	Final [mL]	Date
17F0523-01 [36 Indian Ridge Rd.- 1]	B179101	250	1.00	06/13/17

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

QUALITY CONTROL

Miscellaneous Organic Analyses - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B179101 - EPA 537										
Blank (B179101-BLK1)										
Prepared: 06/13/17 Analyzed: 06/19/17										
Perfluoroundecanoic acid (PFUnA)	ND	2.0	ng/L							
Perfluorotridecanoic acid (PFTrDA)	ND	2.0	ng/L							
Perfluorotetradecanoic acid (PFTA)	ND	2.0	ng/L							
Perfluorooctanoic acid (PFOA)	ND	2.0	ng/L							
Perfluorooctanesulfonic acid (PFOS)	ND	2.0	ng/L							
Perfluorononanoic acid (PFNA)	ND	2.0	ng/L							
Perfluorohexanoic acid (PFHxA)	ND	2.0	ng/L							
Perfluorohexanesulfonic acid (PFHxS)	ND	2.0	ng/L							
Perfluoroheptanoic acid (PFHpA)	ND	2.0	ng/L							
Perfluorododecanoic acid (PFDoA)	ND	2.0	ng/L							
Perfluorodecanoic acid (PFDA)	ND	2.0	ng/L							
Perfluorobutanesulfonic acid (PFBS)	ND	2.0	ng/L							
NEtFOSAA	ND	2.0	ng/L							
NMeFOSAA	ND	2.0	ng/L							
Surrogate: 13C-PFHxA	37.0		ng/L	40.0		92.4	70-130			
Surrogate: 13C-PFDA	37.2		ng/L	40.0		93.0	70-130			
Surrogate: d5-NEtFOSAA	156		ng/L	160		97.4	70-130			
LCS (B179101-BS1)										
Prepared: 06/13/17 Analyzed: 06/18/17										
Perfluoroundecanoic acid (PFUnA)	26.2	2.0	ng/L	20.0		131 *	70-130			L-01
Perfluorotridecanoic acid (PFTrDA)	25.4	2.0	ng/L	20.0		127	70-130			
Perfluorotetradecanoic acid (PFTA)	25.1	2.0	ng/L	20.0		125	70-130			
Perfluorooctanoic acid (PFOA)	25.6	2.0	ng/L	20.0		128	70-130			
Perfluorooctanesulfonic acid (PFOS)	21.9	2.0	ng/L	18.5		118	70-130			
Perfluorononanoic acid (PFNA)	25.0	2.0	ng/L	20.0		125	70-130			
Perfluorohexanoic acid (PFHxA)	25.6	2.0	ng/L	20.0		128	70-130			
Perfluorohexanesulfonic acid (PFHxS)	23.5	2.0	ng/L	18.2		129	70-130			
Perfluoroheptanoic acid (PFHpA)	25.6	2.0	ng/L	20.0		128	70-130			
Perfluorododecanoic acid (PFDoA)	24.8	2.0	ng/L	20.0		124	70-130			
Perfluorodecanoic acid (PFDA)	25.6	2.0	ng/L	20.0		128	70-130			
Perfluorobutanesulfonic acid (PFBS)	22.6	2.0	ng/L	17.7		128	70-130			
NEtFOSAA	25.9	2.0	ng/L	20.0		130	70-130			
NMeFOSAA	25.8	2.0	ng/L	20.0		129	70-130			
Perfluoropentanoic acid (PFPeA)	24.1	2.0	ng/L	20.0		120	70-130			
Surrogate: 13C-PFHxA	62.4		ng/L	40.0		156 *	70-130			S-23
Surrogate: 13C-PFDA	63.1		ng/L	40.0		158 *	70-130			S-23
Surrogate: d5-NEtFOSAA	265		ng/L	160		166 *	70-130			S-23

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.
- L-01 Laboratory fortified blank /laboratory control sample recovery outside of control limits. Data validation is not affected since all results are "not detected" for all samples in this batch for this compound and bias is on the high side.
 - S-18 Surrogate recovery is outside of control limits, matrix interference suspected. Insufficient sample available for reanalysis.
 - S-23 Surrogate recovery outside of control limits in BS/MS spiked sample, all reported analytes are within control criteria, data not significantly affected.

CERTIFICATIONS

Certified Analyses included in this Report

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

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

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

39 Spruce Street
 East Longmeadow, MA 01028

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

17F0503
 Phone: 413-525-2332
 Fax: 413-525-6405
 Email: info@contestlabs.com

Company Name: ATC Group Services
 Address: 13 William Franks Dr, Wispfld MA
 Phone: (413) 781-0070
 Project Name: 36 Indian Ridge Rd, Westfield, MA
 Project Location: 36 Indian Ridge Rd, Westfield, MA
 Project Number: 183EH00170
 Project Manager: Rob Smith
 Con-Test Quote Name/Number: _____
 Invoice Recipient: _____

Sampled By: Elizabeth O'Connor

Con-Test Work Order #	Client Sample ID / Description	Sample Date	Sampling Time	Composite	Grab	Matrix	Cont. Loop
	36 Indian Ridge Rd - field blank	6/9/17	9:35		X	DW	U
	36 Indian Ridge Rd - 1	6/9/17	9:37		X	DW	U
	36 Indian Ridge Rd - 2	6/9/17	9:38		X	DW	U

7-Day 10-Day
 Due Date: _____
 1-Day 3-Day
 2-Day 4-Day
 Format: PDF EXCEL
 Other: _____
 CLP Like Data Pkg Required:
 Email To: _____
 Fax To #: _____

ANALYSIS REQUESTED

Conc Code	Matrix	Filter	Preservation	Containers
3	DW			2
1	DW			2
2	DW			2
H	DW			2
N	DW			2
V	DW			2

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

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

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

Conc Code	Matrix	Filter	Preservation	Containers	Analysis Requested	Special Requirements	MA MCP Required	MA State DM Required
3	DW			2	Total As, Fe, Hardness, TX			
1	DW			2				
2	DW			2				
H	DW			2				
N	DW			2				
V	DW			2				

PCB ONLY
 Soxhlet
 Non Soxhlet

Other
 Chromatogram
 AIHA-LAP, LLC

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

Comments:
 Run: 36 Indian Ridge Rd - 1 (EPA 537) ; HOLD: As, Fe, Hardness, TDC
 Hold + extract: 36 Indian Ridge Rd - field sample + 36 Indian Ridge Rd - 2

Requisitioned by: (signature) Elizabeth K. O'Connor Date/Time: 6/9/17 18:13
Received by: (signature) Drs. M.V.C. Date/Time: 6/9/17 18:13
Requisitioned by: (signature) Rob Smith Date/Time: 6/9/17 18:13

Received by: (signature) _____ Date/Time: _____
Requisitioned by: (signature) _____ Date/Time: _____

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

Special Requirements:
 MA MCP Required
 MCP Certification Form Required
 CT RCP Required
 RCP Certification Form Required
 MA State DM Required
 PWSID # _____

con-test
 ANALYTICAL LABORATORY
 www.contestlabs.com

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



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 ANALYTICAL LABORATORY

Doc# 277 Rev 5 2017

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

Client ATC
 Received By RLF Date 6/9/17 Time 1813
 How were the samples received? In Cooler T No Cooler _____ On Ice T No Ice _____
 Direct From Sample sampled same day Ambient _____ Melted Ice _____
 Were samples within Temperature? 2-6°C F By Gun # 2 Actual Temp - 14.1°C
 By Blank # _____ Actual Temp - _____
 Was Custody Seal Intact? NA Were Samples Tampered with? F
 Was COC Relinquished? T Does Chain Agree With Samples? T
 Are there broken/leaking/loose caps on any samples? F
 Is COC in ink/ Legible? T Were samples received within holding time? T
 Did COC include all pertinent Information? Client? T Analysis? T Sampler Name? T
 Project? T ID's? T Collection Dates/Times? T
 Are Sample labels filled out and legible? T
 Are there Lab to Filters? F Who was notified? NA
 Are there Rushes? F Who was notified? NA
 Are there Short Holds? F Who was notified? NA
 Is there enough Volume? T
 Is there Headspace where applicable? T 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:



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

July 5, 2017

Robert & Helen Niemiec
1355 East Mountain Road
Westfield, MA 01085

Re: Notice of Environmental Sampling
1355 East Mountain Road
Westfield Private Well Sampling
RTN 1-20093

Dear Mr. & Mrs. Niemiec:

The Department of Environmental Protection (DEP) collected a drinking water sample from your private well on June 9, 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 water¹

The sampling result indicates PFOA and PFOS compounds were not detected above the laboratory reporting limit of 2 ppt. Based on the absence of detectable PFC compounds in the sample collected from your well, no further action, including additional sampling and/or mitigation measures (i.e. bottled water) are required at this time. The Department thanks you for granting access to your property.

Notice of Environmental Sampling
1355 East Mountain Road
Westfield, RTN 1-20093
July 5, 2017
Page 2 of 2

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

Sincerely,



Eva Tor
Deputy Regional Director
Bureau of Waste Site Cleanup

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

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

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

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



Massachusetts Department of Environmental Protection
Bureau of Waste Site Cleanup

BWSC123

This Notice is Related to:
Release Tracking Number

NOTICE OF ENVIRONMENTAL SAMPLING

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

1 - 20093

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

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

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

1. Name: Robert & Helen Niemiec
2. Street Address: 1355 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: 1355 East Mountain Road
City/Town: Westfield Zip Code: 01103

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.

A drinking water sample was collected from the private well located on the above-referenced property and analyzed for PFAS via EPA Method 537.1.

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

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



NOTICE OF ENVIRONMENTAL SAMPLING

1 - 20093

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

MASSACHUSETTS REGULATIONS THAT REQUIRE THIS NOTICE

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

THE PERSON(S) PROVIDING THIS NOTICE

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

PURPOSE OF THIS NOTICE

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

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

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

FOR MORE INFORMATION

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

June 21, 2017

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

Project Location: 1355 East Mountain Rd., Westfield, MA
Client Job Number:
Project Number: 183EM00170
Laboratory Work Order Number: 17F0521

Enclosed are results of analyses for samples received by the laboratory on June 9, 2017. If you have any questions concerning this report, please feel free to contact me.

Sincerely,



Kerry K. McGee
Project Manager

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

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

REPORT DATE: 6/21/2017

PURCHASE ORDER NUMBER:

PROJECT NUMBER: 183EM00170

ANALYTICAL SUMMARY

WORK ORDER NUMBER: 17F0521

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

PROJECT LOCATION: 1355 East Mountain Rd., Westfield, MA

FIELD SAMPLE #	LAB ID:	MATRIX	SAMPLE DESCRIPTION	TEST	SUB LAB
1355 East Mountain Rd.- 1	17F0521-01	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.

EPA 537

Qualifications:

L-01

Laboratory fortified blank /laboratory control sample recovery outside of control limits. Data validation is not affected since all results are "not detected" for all samples in this batch for this compound and bias is on the high side.

Analyte & Samples(s) Qualified:

Perfluoroundecanoic acid (PFUnA)

B179101-BS1

S-23

Surrogate recovery outside of control limits in BS/MS spiked sample, all reported analytes are within control criteria, data not significantly affected.

Analyte & Samples(s) Qualified:

13C-PFDA

B179101-BS1

13C-PFHxA

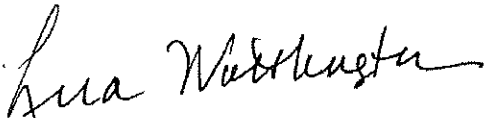
B179101-BS1

d5-NEtFOSAA

B179101-BS1

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

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



Lisa A. Worthington

Project Manager

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

Project Location: 1355 East Mountain Rd., Westfie

Sample Description:

Work Order: 17F0521

Date Received: 6/9/2017

Field Sample #: 1355 East Mountain Rd.- 1

Sampled: 6/9/2017 10:26

Sample ID: 17F0521-01

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	
Perfluoroundecanoic acid (PFUnA)	ND	2.0		ng/L	1		EPA 537	6/13/17	6/19/17 15:54	BLM
Perfluorotridecanoic acid (PFTrDA)	ND	2.0		ng/L	1		EPA 537	6/13/17	6/19/17 15:54	BLM
Perfluorotetradecanoic acid (PFTA)	ND	2.0		ng/L	1		EPA 537	6/13/17	6/19/17 15:54	BLM
Perfluorooctanoic acid (PFOA)	ND	2.0		ng/L	1		EPA 537	6/13/17	6/19/17 15:54	BLM
Perfluorooctanesulfonic acid (PFOS)	ND	2.0		ng/L	1		EPA 537	6/13/17	6/19/17 15:54	BLM
Perfluorononanoic acid (PFNA)	ND	2.0		ng/L	1		EPA 537	6/13/17	6/19/17 15:54	BLM
Perfluorohexanoic acid (PFHxA)	ND	2.0		ng/L	1		EPA 537	6/13/17	6/19/17 15:54	BLM
Perfluorohexanesulfonic acid (PFHxS)	ND	2.0		ng/L	1		EPA 537	6/13/17	6/19/17 15:54	BLM
Perfluoroheptanoic acid (PFHpA)	ND	2.0		ng/L	1		EPA 537	6/13/17	6/19/17 15:54	BLM
Perfluorododecanoic acid (PFDoA)	ND	2.0		ng/L	1		EPA 537	6/13/17	6/19/17 15:54	BLM
Perfluorodecanoic acid (PFDA)	ND	2.0		ng/L	1		EPA 537	6/13/17	6/19/17 15:54	BLM
Perfluorobutanesulfonic acid (PFBS)	ND	2.0		ng/L	1		EPA 537	6/13/17	6/19/17 15:54	BLM
NEtFOSAA	ND	2.0		ng/L	1		EPA 537	6/13/17	6/19/17 15:54	BLM
NMeFOSAA	ND	2.0		ng/L	1		EPA 537	6/13/17	6/19/17 15:54	BLM
Surrogates		% Recovery		Recovery Limits		Flag/Qual				
13C-PFHxA		120		70-130					6/19/17 15:54	
13C-PFDA		118		70-130					6/19/17 15:54	
d5-NEtFOSAA		120		70-130					6/19/17 15:54	

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

Sample Extraction Data

Prep Method: EPA 537-EPA 537

Lab Number [Field ID]	Batch	Initial [mL]	Final [mL]	Date
17F0521-01 [1355 East Mountain Rd.- 1]	B179101	250	1.00	06/13/17

QUALITY CONTROL

Miscellaneous Organic Analyses - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B179101 - EPA 537										
Blank (B179101-BLK1)										
Prepared: 06/13/17 Analyzed: 06/19/17										
Perfluoroundecanoic acid (PFUnA)	ND	2.0	ng/L							
Perfluorotridecanoic acid (PFTrDA)	ND	2.0	ng/L							
Perfluorotetradecanoic acid (PFTA)	ND	2.0	ng/L							
Perfluorooctanoic acid (PFOA)	ND	2.0	ng/L							
Perfluorooctanesulfonic acid (PFOS)	ND	2.0	ng/L							
Perfluorononanoic acid (PFNA)	ND	2.0	ng/L							
Perfluorohexanoic acid (PFHxA)	ND	2.0	ng/L							
Perfluorohexanesulfonic acid (PFHxS)	ND	2.0	ng/L							
Perfluoroheptanoic acid (PFHpA)	ND	2.0	ng/L							
Perfluorododecanoic acid (PFDoA)	ND	2.0	ng/L							
Perfluorodecanoic acid (PFDA)	ND	2.0	ng/L							
Perfluorobutanesulfonic acid (PFBS)	ND	2.0	ng/L							
NEtFOSAA	ND	2.0	ng/L							
NMeFOSAA	ND	2.0	ng/L							
Surrogate: 13C-PFHxA	37.0		ng/L	40.0		92.4	70-130			
Surrogate: 13C-PFDA	37.2		ng/L	40.0		93.0	70-130			
Surrogate: d5-NEtFOSAA	156		ng/L	160		97.4	70-130			
LCS (B179101-BS1)										
Prepared: 06/13/17 Analyzed: 06/18/17										
Perfluoroundecanoic acid (PFUnA)	26.2	2.0	ng/L	20.0		131	* 70-130			L-01
Perfluorotridecanoic acid (PFTrDA)	25.4	2.0	ng/L	20.0		127	70-130			
Perfluorotetradecanoic acid (PFTA)	25.1	2.0	ng/L	20.0		125	70-130			
Perfluorooctanoic acid (PFOA)	25.6	2.0	ng/L	20.0		128	70-130			
Perfluorooctanesulfonic acid (PFOS)	21.9	2.0	ng/L	18.5		118	70-130			
Perfluorononanoic acid (PFNA)	25.0	2.0	ng/L	20.0		125	70-130			
Perfluorohexanoic acid (PFHxA)	25.6	2.0	ng/L	20.0		128	70-130			
Perfluorohexanesulfonic acid (PFHxS)	23.5	2.0	ng/L	18.2		129	70-130			
Perfluoroheptanoic acid (PFHpA)	25.6	2.0	ng/L	20.0		128	70-130			
Perfluorododecanoic acid (PFDoA)	24.8	2.0	ng/L	20.0		124	70-130			
Perfluorodecanoic acid (PFDA)	25.6	2.0	ng/L	20.0		128	70-130			
Perfluorobutanesulfonic acid (PFBS)	22.6	2.0	ng/L	17.7		128	70-130			
NEtFOSAA	25.9	2.0	ng/L	20.0		130	70-130			
NMeFOSAA	25.8	2.0	ng/L	20.0		129	70-130			
Perfluoropentanoic acid (PFPeA)	24.1	2.0	ng/L	20.0		120	70-130			
Surrogate: 13C-PFHxA	62.4		ng/L	40.0		156	* 70-130			S-23
Surrogate: 13C-PFDA	63.1		ng/L	40.0		158	* 70-130			S-23
Surrogate: d5-NEtFOSAA	265		ng/L	160		166	* 70-130			S-23

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.
L-01	Laboratory fortified blank /laboratory control sample recovery outside of control limits. Data validation is not affected since all results are "not detected" for all samples in this batch for this compound and bias is on the high side.
S-23	Surrogate recovery outside of control limits in BS/MS spiked sample, all reported analytes are within control criteria, data not significantly affected.

CERTIFICATIONS

Certified Analyses included in this Report

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

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

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



17F0501
 Phone: 413-525-2332
 Fax: 413-525-6405
 Email: info@contestlabs.com

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

CHAIN OF CUSTODY RECORD

Company Name: At 2 Group Services
 Address: 73 William Franks Dr, Wspsfld MA
 Phone: (413) 781-0070
 Project Name: 1355 East Mountain Rd, Westfield, MA
 Project Location: 1355 East Mountain Rd, Westfield, MA
 Project Number: 183EM00170
 Project Manager: Rob Smith
 Con-Test Quote Name/Number:
 Invoice Recipient:
 Sampled By: Elizabeth O'Connor

Con-Test Work Order #	Client Sample ID / Description	Date/Time	Compos	Grab	Metals Code	Conc Code
	1355 East Mountain Rd - field blank	6/19/17		X	DW	U
	1355 East Mountain Rd - 1	6/19/17		X	DW	U
	1355 East Mountain Rd - 2	6/19/17		X	DW	U

Comments:
 Run: 1355 East Mountain Rd - 1 (EPA 537); Hold: As, Fe, Hardness, TOC
 Hold + Extract: 1355 East Mountain Rd - field blank + 1355 East Mountain Rd - 2

Relinquished by: (signature) Elizabeth K. O'Connell Date/Time: 6/19/17 18:13
 Received by: (signature) DPS M... Date/Time: 6/19/17 18:13
 Relinquished by: (signature) Michelle P... Date/Time: 6/19/17 18:13
 Received by: (signature)
 Relinquished by: (signature)
 Received by: (signature)



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

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

Other: 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 RLF Date 6/9/17 Time 1813
 How were the samples received? In Cooler T No Cooler _____ On Ice T No Ice _____
 Direct From Sample sampled same day Ambient _____ Melted Ice _____
 Were samples within Temperature? 2-6°C F By Gun # 2 Actual Temp - 14.1°C
 By Blank # _____ Actual Temp - _____
 Was Custody Seal Intact? NA Were Samples Tampered with? F
 Was COC Relinquished? T Does Chain Agree With Samples? T
 Are there broken/leaking/loose caps on any samples? F
 Is COC in ink/ Legible? T Were samples received within holding time? T
 Did COC include all Client? T Analysis? T Sampler Name? T
 pertinent Information? Project? T ID's? T Collection Dates/Times? T
 Are Sample labels filled out and legible? T
 Are there Lab to Filters? F Who was notified? NA
 Are there Rushes? F Who was notified? NA
 Are there Short Holds? F Who was notified? NA
 Is there enough Volume? T
 Is there Headspace where applicable? T 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:



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

July 5, 2017

Peter & Darlene Demers
369 Pochassic Road
Westfield, MA 01085

Re: Notice of Environmental Sampling
369 Pochassic Road
Westfield Private Well Sampling
RTN 1-20093

Dear Mr. & Mrs. Demers:

The Department of Environmental Protection (DEP) collected a drinking water sample from your private well on June 14, 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 water¹

The sampling result indicates PFOA and PFOS compounds were not detected above the laboratory reporting limit of 2 ppt. Based on the absence of detectable PFC compounds in the sample collected from your well, no further action, including additional sampling and/or mitigation measures (i.e. bottled water) are required at this time. The Department thanks you for granting access to your property.

Notice of Environmental Sampling
369 Pochassic Road
Westfield, RTN 1-20093
July 5, 2017
Page 2 of 2

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

Sincerely,



Eva Tor
Deputy Regional Director
Bureau of Waste Site Cleanup

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

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

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

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



Massachusetts Department of Environmental Protection
Bureau of Waste Site Cleanup

BWSC123

This Notice is Related to:
Release Tracking Number

NOTICE OF ENVIRONMENTAL SAMPLING

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

1 - 20093

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

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

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

1. Name: Peter & Darlene Demers
2. Street Address: 369 Pochassic 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: 369 Pochassic Road
City/Town: Westfield Zip Code: 01103

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.

A drinking water sample was collected from the private well located on the above-referenced property and analyzed for PFAS via EPA Method 537.1.

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

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



NOTICE OF ENVIRONMENTAL SAMPLING

1 - 20093

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

MASSACHUSETTS REGULATIONS THAT REQUIRE THIS NOTICE

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

THE PERSON(S) PROVIDING THIS NOTICE

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

PURPOSE OF THIS NOTICE

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

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

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

FOR MORE INFORMATION

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

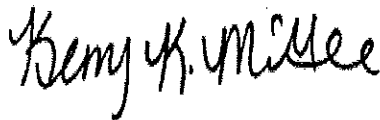
June 20, 2017

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

Project Location: 369 Pochassic Rd., Westfield
Client Job Number:
Project Number: 183EM00170
Laboratory Work Order Number: 17F0800

Enclosed are results of analyses for samples received by the laboratory on June 14, 2017. If you have any questions concerning this report, please feel free to contact me.

Sincerely,



Kerry K. McGee
Project Manager

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

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

REPORT DATE: 6/20/2017

PURCHASE ORDER NUMBER:

PROJECT NUMBER: 183EM00170

ANALYTICAL SUMMARY

WORK ORDER NUMBER: 17F0800

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

PROJECT LOCATION: 369 Pochassic Rd., Westfield

FIELD SAMPLE #	LAB ID:	MATRIX	SAMPLE DESCRIPTION	TEST	SUB LAB
369 Pochassic Rd. - 1	17F0800-01	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.

EPA 537

Qualifications:

L-01

Laboratory fortified blank /laboratory control sample recovery outside of control limits. Data validation is not affected since all results are "not detected" for all samples in this batch for this compound and bias is on the high side.

Analyte & Samples(s) Qualified:

Perfluoroundecanoic acid (PFUnA)
B179482-BS1

L-05

Laboratory fortified blank/laboratory control sample recovery is outside of control limits. Reported value for this compound is likely to be biased on the high side.

Analyte & Samples(s) Qualified:

Perfluorohexanoic acid (PFHxA)
B179482-BS1

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.



Tod E. Kopyscinski
Laboratory Director

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

Project Location: 369 Pochassic Rd., Westfield

Sample Description:

Work Order: 17F0800

Date Received: 6/14/2017

Field Sample #: 369 Pochassic Rd. - 1

Sampled: 6/14/2017 16:28

Sample ID: 17F0800-01

Sample Matrix: Drinking Water

Miscellaneous Organic Analyses

Analyte	Results	MCL/SMCL		Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
		RL	MA ORSG							
Perfluoroundecanoic acid (PFUnA)	ND	2.0		ng/L	1		EPA 537	6/17/17	6/18/17 23:24	BLM
Perfluorotridecanoic acid (PFTrDA)	ND	2.0		ng/L	1		EPA 537	6/17/17	6/18/17 23:24	BLM
Perfluorotetradecanoic acid (PFTrA)	ND	2.0		ng/L	1		EPA 537	6/17/17	6/18/17 23:24	BLM
Perfluorooctanoic acid (PFOA)	ND	2.0		ng/L	1		EPA 537	6/17/17	6/18/17 23:24	BLM
Perfluorooctanesulfonic acid (PFOS)	ND	2.0		ng/L	1		EPA 537	6/17/17	6/18/17 23:24	BLM
Perfluorononanoic acid (PFNA)	ND	2.0		ng/L	1		EPA 537	6/17/17	6/18/17 23:24	BLM
Perfluorohexanoic acid (PFHxA)	ND	2.0		ng/L	1		EPA 537	6/17/17	6/18/17 23:24	BLM
Perfluorohexanesulfonic acid (PFHxS)	ND	2.0		ng/L	1		EPA 537	6/17/17	6/18/17 23:24	BLM
Perfluoroheptanoic acid (PFHpA)	ND	2.0		ng/L	1		EPA 537	6/17/17	6/18/17 23:24	BLM
Perfluorododecanoic acid (PFDoA)	ND	2.0		ng/L	1		EPA 537	6/17/17	6/18/17 23:24	BLM
Perfluorodecanoic acid (PFDA)	ND	2.0		ng/L	1		EPA 537	6/17/17	6/18/17 23:24	BLM
Perfluorobutanesulfonic acid (PFBS)	2.8	2.0		ng/L	1		EPA 537	6/17/17	6/18/17 23:24	BLM
NEtFOSAA	ND	2.0		ng/L	1		EPA 537	6/17/17	6/18/17 23:24	BLM
NMeFOSAA	ND	2.0		ng/L	1		EPA 537	6/17/17	6/18/17 23:24	BLM
Surrogates		% Recovery	Recovery Limits			Flag/Qual				
13C-PFHxA		126	70-130						6/18/17 23:24	
13C-PFDA		110	70-130						6/18/17 23:24	
d5-NEtFOSAA		125	70-130						6/18/17 23:24	

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

Sample Extraction Data

Prep Method: EPA 537-EPA 537

Lab Number [Field ID]	Batch	Initial [mL]	Final [mL]	Date
17F0800-01 [369 Pochassic Rd. - 1]	B179482	250	1.00	06/17/17

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 B179482 - EPA 537										
Blank (B179482-BLK1)										
Prepared: 06/17/17 Analyzed: 06/18/17										
Perfluoroundecanoic acid (PFUnA)	ND	2.0	ng/L							
Perfluorotridecanoic acid (PFTrDA)	ND	2.0	ng/L							
Perfluorotetradecanoic acid (PFTA)	ND	2.0	ng/L							
Perfluorooctanoic acid (PFOA)	ND	2.0	ng/L							
Perfluorooctanesulfonic acid (PFOS)	ND	2.0	ng/L							
Perfluorononanoic acid (PFNA)	ND	2.0	ng/L							
Perfluorohexanoic acid (PFHxA)	ND	2.0	ng/L							
Perfluorohexanesulfonic acid (PFHxS)	ND	2.0	ng/L							
Perfluoroheptanoic acid (PFHpA)	ND	2.0	ng/L							
Perfluorododecanoic acid (PFDoA)	ND	2.0	ng/L							
Perfluorodecanoic acid (PFDA)	ND	2.0	ng/L							
Perfluorobutanesulfonic acid (PFBS)	ND	2.0	ng/L							
NEtFOSAA	ND	2.0	ng/L							
NMeFOSAA	ND	2.0	ng/L							
Surrogate: 13C-PFHxA	48.0		ng/L	40.0		120	70-130			
Surrogate: 13C-PFDA	49.3		ng/L	40.0		123	70-130			
Surrogate: d5-NEtFOSAA	197		ng/L	160		123	70-130			
LCS (B179482-BS1)										
Prepared: 06/17/17 Analyzed: 06/18/17										
Perfluoroundecanoic acid (PFUnA)	3.11	2.0	ng/L	2.00		155 *	50-150			L-01
Perfluorotridecanoic acid (PFTrDA)	2.71	2.0	ng/L	2.00		135	50-150			
Perfluorotetradecanoic acid (PFTA)	2.67	2.0	ng/L	2.00		134	50-150			
Perfluorooctanoic acid (PFOA)	2.94	2.0	ng/L	2.00		147	50-150			
Perfluorooctanesulfonic acid (PFOS)	2.67	2.0	ng/L	1.85		145	50-150			
Perfluorononanoic acid (PFNA)	2.58	2.0	ng/L	2.00		129	50-150			
Perfluorohexanoic acid (PFHxA)	3.36	2.0	ng/L	2.00		168 *	50-150			L-05
Perfluorohexanesulfonic acid (PFHxS)	2.56	2.0	ng/L	1.82		140	50-150			
Perfluoroheptanoic acid (PFHpA)	2.96	2.0	ng/L	2.00		148	50-150			
Perfluorododecanoic acid (PFDoA)	2.64	2.0	ng/L	2.00		132	50-150			
Perfluorodecanoic acid (PFDA)	2.71	2.0	ng/L	2.00		135	50-150			
Perfluorobutanesulfonic acid (PFBS)	2.38	2.0	ng/L	1.77		135	50-150			
NEtFOSAA	2.95	2.0	ng/L	2.00		147	50-150			
NMeFOSAA	2.56	2.0	ng/L	2.00		128	50-150			
Surrogate: 13C-PFHxA	51.1		ng/L	40.0		128	70-130			
Surrogate: 13C-PFDA	51.8		ng/L	40.0		129	70-130			
Surrogate: d5-NEtFOSAA	205		ng/L	160		128	70-130			

FLAG/QUALIFIER SUMMARY

- * QC result is outside of established limits.
 - † Wide recovery limits established for difficult compound.
 - ‡ Wide RPD limits established for difficult compound.
 - # Data exceeded client recommended or regulatory level
 - ND Not Detected
 - RL Reporting Limit
 - DL Method Detection Limit
 - MCL Maximum Contaminant Level
- Percent recoveries and relative percent differences (RPDs) are determined by the software using values in the calculation which have not been rounded.
- No results have been blank subtracted unless specified in the case narrative section.
- L-01 Laboratory fortified blank /laboratory control sample recovery outside of control limits. Data validation is not affected since all results are "not detected" for all samples in this batch for this compound and bias is on the high side.
 - L-05 Laboratory fortified blank/laboratory control sample recovery is outside of control limits. Reported value for this compound is likely to be biased on the high side.

CERTIFICATIONS

Certified Analyses included in this Report

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

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

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

17F0800
 con-test[®]
 ANALYTICAL LABORATORY
 Phone: 413-525-2332
 Fax: 413-525-6405
 Email: info@contestlabs.com

http://www.contestlabs.com

CHAIN OF CUSTODY RECORD

39 Spruce Street
 East Longmeadow, MA 01028

Doc # 381 Rev 1_03242017

Page 1 of 1

Company Name: ATC Group Services
 Address: 73 William Franks Drive, West Springfield, MA
 Phone: (413) 781-0070
 Project Name: 369 Pochassic Rd, Westfield
 Project Location: 369 Pochassic 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
 Date Relayed
 Format: PDF EXCEL
 Other:
 CLP Like Data Pkg Required:
 Email To:
 Fax To #:

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

Con-Test Work Order #	Client Sample ID / Description	Beginning Date/Time	Ending Date/Time	Composite	Grab	Matrix Code	Conc. Code
01	369 Pochassic Rd - field blank	6/14/2017	6:12	X	DW	U	X
	369 Pochassic Rd - 1	6/14/2017	6:28	X	DW	U	X
	369 Pochassic Rd - 2	6/14/2017	6:29	X	DW	U	X

ANALYSIS REQUESTED

EPA METHOD 537
 TOTAL As, Fe, HARDNESS, TOC

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

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

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

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: 369 Pochassic Rd-1
 EXTRACT & HOLD EPA Method 537: 369 Pochassic Rd-field blank & 369 Pochassic Rd-2
 HOLD As, Fe, Hardness, TOC

Requisitioned by: (signature) <i>Elizabeth O'Connor</i>	Date/Time: 6/17 1810	Special Requirements
Received by: (signature) <i>[Signature]</i>	Date/Time: 6/17 1810	MA MCP Required <input type="checkbox"/>
Requisitioned by: (signature)	Date/Time:	MCP Certification Form Required <input type="checkbox"/>
Received by: (signature)	Date/Time:	CT RCP Required <input type="checkbox"/>
		RCP Certification Form Required <input type="checkbox"/>
		MA State DW Required <input type="checkbox"/>



Requisitioned by: (signature)	Date/Time:	Project Entity	Other
Received by: (signature)	Date/Time:	<input type="checkbox"/> Government <input type="checkbox"/> Municipality <input type="checkbox"/> MWRA <input type="checkbox"/> WRTA <input type="checkbox"/> Chromatogram	<input type="checkbox"/> Soxhlet
Received by: (signature)	Date/Time:	<input type="checkbox"/> Federal <input type="checkbox"/> City <input type="checkbox"/> 21 J <input type="checkbox"/> School <input type="checkbox"/> MBTA <input type="checkbox"/> Brownfield	<input type="checkbox"/> 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 DB Date 6.14.17 Time 18:10
 How were the samples received? In Cooler T No Cooler _____ On Ice T No Ice _____
 Direct From Sample _____ Ambient _____ Melted Ice _____
 Were samples within Temperature? 2-6°C T By Gun # 0 Actual Temp - 4.8
 By Blank # _____ Actual Temp - _____
 Was Custody Seal Intact? NA Were Samples Tampered with? F
 Was COC Relinquished? T Does Chain Agree With Samples? T
 Are there broken/leaking/loose caps on any samples? F
 Is COC in ink/ Legible? T Were samples received within holding time? T
 Did COC include all pertinent Information? Client? T Analysis? T Sampler Name? T
 Project? T ID's? T Collection Dates/Times? T
 Are Sample labels filled out and legible? T
 Are there Lab to Filters? F Who was notified? _____
 Are there Rushes? F Who was notified? _____
 Are there Short Holds? F Who was notified? _____
 Is there enough Volume? T
 Is there Headspace where applicable? NA MS/MSD? NA
 Proper Media/Containers Used? T splitting samples require F
 Were TB's received? F On COC? NA
 Do All Samples Have the proper pH? Acid T Base _____

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

Unused Media

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

Comments:



Commonwealth of Massachusetts
Executive Office of Energy & Environmental Affairs

Department of Environmental Protection

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

Charles D. Baker
Governor

Karyn E. Polito
Lieutenant Governor

Matthew A. Beaton
Secretary

Martin Suuberg
Commissioner

July 5, 2017

Peter & Darlene Demers
369 Pochassic Road
Westfield, MA 01085

Re: Notice of Environmental Sampling
369 Pochassic Road
Westfield Private Well Sampling
RTN 1-20093

Dear Mr. & Mrs. Demers:

The Department of Environmental Protection (DEP) collected a drinking water sample from your private well on June 14, 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 water¹

The sampling result indicates PFOA and PFOS compounds were not detected above the laboratory reporting limit of 2 ppt. Based on the absence of detectable PFC compounds in the sample collected from your well, no further action, including additional sampling and/or mitigation measures (i.e. bottled water) are required at this time. The Department thanks you for granting access to your property.

Notice of Environmental Sampling
369 Pochassic Road
Westfield, RTN 1-20093
July 5, 2017
Page 2 of 2

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

Sincerely,



Eva Tor
Deputy Regional Director
Bureau of Waste Site Cleanup

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

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

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

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



Massachusetts Department of Environmental Protection
Bureau of Waste Site Cleanup

BWSC123

This Notice is Related to:
Release Tracking Number

NOTICE OF ENVIRONMENTAL SAMPLING

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

1 - 20093

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

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

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

1. Name: Peter & Darlene Demers
2. Street Address: 369 Pochassic 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: 369 Pochassic Road
City/Town: Westfield Zip Code: 01103

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.

A drinking water sample was collected from the private well located on the above-referenced property and analyzed for PFAS via EPA Method 537.1.

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

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



NOTICE OF ENVIRONMENTAL SAMPLING

1 - 20093

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

MASSACHUSETTS REGULATIONS THAT REQUIRE THIS NOTICE

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

THE PERSON(S) PROVIDING THIS NOTICE

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

PURPOSE OF THIS NOTICE

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

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

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

FOR MORE INFORMATION

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

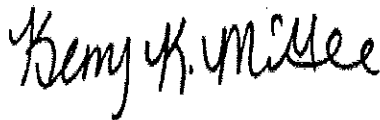
June 20, 2017

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

Project Location: 369 Pochassic Rd., Westfield
Client Job Number:
Project Number: 183EM00170
Laboratory Work Order Number: 17F0800

Enclosed are results of analyses for samples received by the laboratory on June 14, 2017. If you have any questions concerning this report, please feel free to contact me.

Sincerely,



Kerry K. McGee
Project Manager

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

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

REPORT DATE: 6/20/2017

PURCHASE ORDER NUMBER:

PROJECT NUMBER: 183EM00170

ANALYTICAL SUMMARY

WORK ORDER NUMBER: 17F0800

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

PROJECT LOCATION: 369 Pochassic Rd., Westfield

FIELD SAMPLE #	LAB ID:	MATRIX	SAMPLE DESCRIPTION	TEST	SUB LAB
369 Pochassic Rd. - 1	17F0800-01	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.

EPA 537

Qualifications:

L-01

Laboratory fortified blank /laboratory control sample recovery outside of control limits. Data validation is not affected since all results are "not detected" for all samples in this batch for this compound and bias is on the high side.

Analyte & Samples(s) Qualified:

Perfluoroundecanoic acid (PFUnA)
B179482-BS1

L-05

Laboratory fortified blank/laboratory control sample recovery is outside of control limits. Reported value for this compound is likely to be biased on the high side.

Analyte & Samples(s) Qualified:

Perfluorohexanoic acid (PFHxA)
B179482-BS1

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.



Tod E. Kopyscinski
Laboratory Director

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

Project Location: 369 Pochassic Rd., Westfield

Sample Description:

Work Order: 17F0800

Date Received: 6/14/2017

Field Sample #: 369 Pochassic Rd. - 1

Sampled: 6/14/2017 16:28

Sample ID: 17F0800-01

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	
Perfluoroundecanoic acid (PFUnA)	ND	2.0		ng/L	1		EPA 537	6/17/17	6/18/17 23:24	BLM
Perfluorotridecanoic acid (PFTrDA)	ND	2.0		ng/L	1		EPA 537	6/17/17	6/18/17 23:24	BLM
Perfluorotetradecanoic acid (PFTrA)	ND	2.0		ng/L	1		EPA 537	6/17/17	6/18/17 23:24	BLM
Perfluorooctanoic acid (PFOA)	ND	2.0		ng/L	1		EPA 537	6/17/17	6/18/17 23:24	BLM
Perfluorooctanesulfonic acid (PFOS)	ND	2.0		ng/L	1		EPA 537	6/17/17	6/18/17 23:24	BLM
Perfluorononanoic acid (PFNA)	ND	2.0		ng/L	1		EPA 537	6/17/17	6/18/17 23:24	BLM
Perfluorohexanoic acid (PFHxA)	ND	2.0		ng/L	1		EPA 537	6/17/17	6/18/17 23:24	BLM
Perfluorohexanesulfonic acid (PFHxS)	ND	2.0		ng/L	1		EPA 537	6/17/17	6/18/17 23:24	BLM
Perfluoroheptanoic acid (PFHpA)	ND	2.0		ng/L	1		EPA 537	6/17/17	6/18/17 23:24	BLM
Perfluorododecanoic acid (PFDoA)	ND	2.0		ng/L	1		EPA 537	6/17/17	6/18/17 23:24	BLM
Perfluorodecanoic acid (PFDA)	ND	2.0		ng/L	1		EPA 537	6/17/17	6/18/17 23:24	BLM
Perfluorobutanesulfonic acid (PFBS)	2.8	2.0		ng/L	1		EPA 537	6/17/17	6/18/17 23:24	BLM
NEtFOSAA	ND	2.0		ng/L	1		EPA 537	6/17/17	6/18/17 23:24	BLM
NMeFOSAA	ND	2.0		ng/L	1		EPA 537	6/17/17	6/18/17 23:24	BLM
Surrogates		% Recovery	Recovery Limits			Flag/Qual				
13C-PFHxA		126	70-130						6/18/17 23:24	
13C-PFDA		110	70-130						6/18/17 23:24	
d5-NEtFOSAA		125	70-130						6/18/17 23:24	

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

Sample Extraction Data

Prep Method: EPA 537-EPA 537

Lab Number [Field ID]	Batch	Initial [mL]	Final [mL]	Date
17F0800-01 [369 Pochassic Rd. - 1]	B179482	250	1.00	06/17/17

QUALITY CONTROL

Miscellaneous Organic Analyses - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B179482 - EPA 537										
Blank (B179482-BLK1) Prepared: 06/17/17 Analyzed: 06/18/17										
Perfluoroundecanoic acid (PFUnA)	ND	2.0	ng/L							
Perfluorotridecanoic acid (PFTrDA)	ND	2.0	ng/L							
Perfluorotetradecanoic acid (PFTA)	ND	2.0	ng/L							
Perfluorooctanoic acid (PFOA)	ND	2.0	ng/L							
Perfluorooctanesulfonic acid (PFOS)	ND	2.0	ng/L							
Perfluorononanoic acid (PFNA)	ND	2.0	ng/L							
Perfluorohexanoic acid (PFHxA)	ND	2.0	ng/L							
Perfluorohexanesulfonic acid (PFHxS)	ND	2.0	ng/L							
Perfluoroheptanoic acid (PFHpA)	ND	2.0	ng/L							
Perfluorododecanoic acid (PFDoA)	ND	2.0	ng/L							
Perfluorodecanoic acid (PFDA)	ND	2.0	ng/L							
Perfluorobutanesulfonic acid (PFBS)	ND	2.0	ng/L							
NEtFOSAA	ND	2.0	ng/L							
NMeFOSAA	ND	2.0	ng/L							
Surrogate: 13C-PFHxA	48.0		ng/L	40.0		120	70-130			
Surrogate: 13C-PFDA	49.3		ng/L	40.0		123	70-130			
Surrogate: d5-NEtFOSAA	197		ng/L	160		123	70-130			
LCS (B179482-BS1) Prepared: 06/17/17 Analyzed: 06/18/17										
Perfluoroundecanoic acid (PFUnA)	3.11	2.0	ng/L	2.00		155 *	50-150			L-01
Perfluorotridecanoic acid (PFTrDA)	2.71	2.0	ng/L	2.00		135	50-150			
Perfluorotetradecanoic acid (PFTA)	2.67	2.0	ng/L	2.00		134	50-150			
Perfluorooctanoic acid (PFOA)	2.94	2.0	ng/L	2.00		147	50-150			
Perfluorooctanesulfonic acid (PFOS)	2.67	2.0	ng/L	1.85		145	50-150			
Perfluorononanoic acid (PFNA)	2.58	2.0	ng/L	2.00		129	50-150			
Perfluorohexanoic acid (PFHxA)	3.36	2.0	ng/L	2.00		168 *	50-150			L-05
Perfluorohexanesulfonic acid (PFHxS)	2.56	2.0	ng/L	1.82		140	50-150			
Perfluoroheptanoic acid (PFHpA)	2.96	2.0	ng/L	2.00		148	50-150			
Perfluorododecanoic acid (PFDoA)	2.64	2.0	ng/L	2.00		132	50-150			
Perfluorodecanoic acid (PFDA)	2.71	2.0	ng/L	2.00		135	50-150			
Perfluorobutanesulfonic acid (PFBS)	2.38	2.0	ng/L	1.77		135	50-150			
NEtFOSAA	2.95	2.0	ng/L	2.00		147	50-150			
NMeFOSAA	2.56	2.0	ng/L	2.00		128	50-150			
Surrogate: 13C-PFHxA	51.1		ng/L	40.0		128	70-130			
Surrogate: 13C-PFDA	51.8		ng/L	40.0		129	70-130			
Surrogate: d5-NEtFOSAA	205		ng/L	160		128	70-130			

FLAG/QUALIFIER SUMMARY

- * QC result is outside of established limits.
 - † Wide recovery limits established for difficult compound.
 - ‡ Wide RPD limits established for difficult compound.
 - # Data exceeded client recommended or regulatory level
 - ND Not Detected
 - RL Reporting Limit
 - DL Method Detection Limit
 - MCL Maximum Contaminant Level
- Percent recoveries and relative percent differences (RPDs) are determined by the software using values in the calculation which have not been rounded.
- No results have been blank subtracted unless specified in the case narrative section.
- L-01 Laboratory fortified blank /laboratory control sample recovery outside of control limits. Data validation is not affected since all results are "not detected" for all samples in this batch for this compound and bias is on the high side.
 - L-05 Laboratory fortified blank/laboratory control sample recovery is outside of control limits. Reported value for this compound is likely to be biased on the high side.

CERTIFICATIONS

Certified Analyses included in this Report

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

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

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

17F0800
 con-test[®]
 ANALYTICAL LABORATORY
 Phone: 413-525-2332
 Fax: 413-525-6405
 Email: info@contestlabs.com

http://www.contestlabs.com

CHAIN OF CUSTODY RECORD

39 Spruce Street
 East Longmeadow, MA 01028

Doc # 381 Rev 1_03242017

Page 1 of 1

Company Name: ATC Group Services
 Address: 73 William Franks Drive, West Springfield, MA
 Phone: (413) 781-0070
 Project Name: 369 Pochassic Rd, Westfield
 Project Location: 369 Pochassic 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
 Date Relayed:
 Format: PDF EXCEL
 Other:
 CLP Like Data Pkg Required:
 Email To:
 Fax To #:

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

Con-Test Work Order #	Client Sample ID / Description	Beginning Date/Time	Ending Date/Time	Composite	Grab	Matrix Code	Conc. Code
01	369 Pochassic Rd - field blank	6/14/2017	6:12	X	DW	U	X
	369 Pochassic Rd - 1	6/14/2017	6:28	X	DW	U	X
	369 Pochassic Rd - 2	6/14/2017	6:29	X	DW	U	X

ANALYSIS REQUESTED

EPA METHOD 537
 TOTAL As, Fe, HARDNESS, TOC

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

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

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

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: 369 Pochassic Rd-1
 EXTRACT & HOLD EPA Method 537: 369 Pochassic Rd-field blank & 369 Pochassic Rd-2
 HOLD As, Fe, Hardness, TOC

Requisitioned by: (signature)	Date/Time:	Discretion Limit Requirements	Special Requirements
<i>Elizabeth O'Connor</i>	6/17 18:10	MA	MA MCP Required
Received by: (signature)	Date/Time:		MCP Certification Form Required
<i>[Signature]</i>	6/17 18:10		CT RCP Required
Requisitioned by: (signature)	Date/Time:		RCP Certification Form Required
			MA State DW Required
Received by: (signature)	Date/Time:		PWSID #



PCB ONLY	<input type="checkbox"/> Soxhlet	<input type="checkbox"/> Chromatogram	<input type="checkbox"/> AIHA-LAP, LLC
	<input type="checkbox"/> Non Soxhlet		

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



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 ANALYTICAL LABORATORY

Doc# 277 Rev 5 2017

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

Client ATC

Received By PB Date 6.14.17 Time 18:10

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

Were samples within Temperature? 2-6°C T By Gun # 0 Actual Temp - 4.8
 By Blank # _____ Actual Temp - _____

Was Custody Seal Intact? NA Were Samples Tampered with? F

Was COC Relinquished? T Does Chain Agree With Samples? T

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

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

Did COC include all Client? T Analysis? T Sampler Name? T

pertinent Information? Project? T ID's? T Collection Dates/Times? T

Are Sample labels filled out and legible? T

Are there Lab to Filters? F Who was notified? _____

Are there Rushes? F Who was notified? _____

Are there Short Holds? F Who was notified? _____

Is there enough Volume? T

Is there Headspace where applicable? NA MS/MSD? NA

Proper Media/Containers Used? T splitting samples require F

Were TB's received? F On COC? NA

Do All Samples Have the proper pH? Acid T Base _____

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

Unused Media

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

Comments:



Commonwealth of Massachusetts
Executive Office of Energy & Environmental Affairs

Department of Environmental Protection

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

Charles D. Baker
Governor

Karyn E. Polito
Lieutenant Governor

Matthew A. Beaton
Secretary

Martin Suuberg
Commissioner

July 5, 2017

David Smith Jr.
20 Old Holyoke Road
Westfield, MA 01085

RE: Notice of Environmental Sampling
20 Old Holyoke Road
Westfield Private Well Sampling

Dear Mr. Smith:

The Department of Environmental Protection (DEP) collected a drinking water sample from your private well on June 9, 2017. The purpose of the sampling was to investigate whether your well has been affected by a release of perfluorinated compounds (PFCs) to local groundwater. The sample was sent to a certified laboratory and analyzed for PFC compounds by modified United States Protection Agency (EPA) Method 317.1. EPA has established a Lifetime Health Advisory level at 70 parts per trillion (ppt), for two specific compounds which have been the most extensively used and studied, PFOA (perfluorooctanoic acid) and PFOS (perfluorooctane sulfonic acid). If both PFOA and PFOS are identified in drinking water the combined concentrations are compared to the 70 ppt health advisory level. The Health Advisory offers a margin of protection from a lifetime of exposure to PFOA and PFOS for all individuals from adverse health effects resulting from exposure from PFOA and PFOS in drinking water. ¹

The sampling result indicated a total PFOA and PFOS concentration of 7.9 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. In order to confirm this result, MassDEP will contact you to resample your well. MassDEP will also sample wells in the vicinity of your area in order to gather additional information. The Department thanks you for granting access to your property.

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

TTY# MassRelay Service 1-800-439-2370

MassDEP Website: www.mass.gov/dep

Printed on Recycled Paper

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

Sincerely,



Eva Tor
Deputy Regional Director
Bureau of Waste Site Cleanup

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

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

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

cc:

Denise Andler, DEP WERO
Data Entry: FOLOFF, FOLFLD



Massachusetts Department of Environmental Protection
Bureau of Waste Site Cleanup

BWSC123

This Notice is Related to:
Release Tracking Number

NOTICE OF ENVIRONMENTAL SAMPLING

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

1 - 20093

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

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

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

1. Name: David Smith Jr.
2. Street Address: 20 Old Holyoke 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: 20 Old Holyoke Road
City/Town: Westfield Zip Code: 01103

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.

A drinking water sample was collected from the private well located on the above-referenced property and analyzed for PFAS via EPA Method 537.1.

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

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



Massachusetts Department of Environmental Protection
Bureau of Waste Site Cleanup

BWSC123

This Notice is Related to:
Release Tracking Number

NOTICE OF ENVIRONMENTAL SAMPLING

1 - 20093

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

MASSACHUSETTS REGULATIONS THAT REQUIRE THIS NOTICE

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

THE PERSON(S) PROVIDING THIS NOTICE

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

PURPOSE OF THIS NOTICE

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

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

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

FOR MORE INFORMATION

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

June 21, 2017

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

Project Location: 20 Old Holyoke Rd., Westfield, MA
Client Job Number:
Project Number: 183EM00170
Laboratory Work Order Number: 17F0517

Enclosed are results of analyses for samples received by the laboratory on June 9, 2017. If you have any questions concerning this report, please feel free to contact me.

Sincerely,



Kerry K. McGee
Project Manager

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

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

REPORT DATE: 6/21/2017

PURCHASE ORDER NUMBER:

PROJECT NUMBER: 183EM00170

ANALYTICAL SUMMARY

WORK ORDER NUMBER: 17F0517

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

PROJECT LOCATION: 20 Old Holyoke Rd., Westfield, MA

FIELD SAMPLE #	LAB ID:	MATRIX	SAMPLE DESCRIPTION	TEST	SUB LAB
20 Old Holyoke Rd.- 1	17F0517-01	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.

EPA 537

Qualifications:

L-01

Laboratory fortified blank /laboratory control sample recovery outside of control limits. Data validation is not affected since all results are "not detected" for all samples in this batch for this compound and bias is on the high side.

Analyte & Samples(s) Qualified:

Perfluoroundecanoic acid (PFUnA)

B179101-BS1

S-23

Surrogate recovery outside of control limits in BS/MS spiked sample, all reported analytes are within control criteria, data not significantly affected.

Analyte & Samples(s) Qualified:

13C-PFDA

B179101-BS1

13C-PFHxA

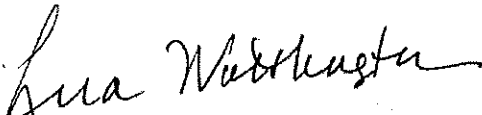
B179101-BS1

d5-NEtFOSAA

B179101-BS1

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

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



Lisa A. Worthington
Project Manager

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

Project Location: 20 Old Holyoke Rd., Westfield, M

Sample Description:

Work Order: 17F0517

Date Received: 6/9/2017

Field Sample #: 20 Old Holyoke Rd.- 1

Sampled: 6/9/2017 16:29

Sample ID: 17F0517-01

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	
Perfluoroundecanoic acid (PFUnA)	ND	2.0		ng/L	1		EPA 537	6/13/17	6/18/17 20:14	BLM
Perfluorotridecanoic acid (PFTrDA)	ND	2.0		ng/L	1		EPA 537	6/13/17	6/18/17 20:14	BLM
Perfluorotetradecanoic acid (PFTA)	ND	2.0		ng/L	1		EPA 537	6/13/17	6/18/17 20:14	BLM
Perfluorooctanoic acid (PFOA)	4.7	2.0		ng/L	1		EPA 537	6/13/17	6/18/17 20:14	BLM
Perfluorooctanesulfonic acid (PFOS)	3.2	2.0		ng/L	1		EPA 537	6/13/17	6/18/17 20:14	BLM
Perfluorononanoic acid (PFNA)	ND	2.0		ng/L	1		EPA 537	6/13/17	6/18/17 20:14	BLM
Perfluorohexanoic acid (PFHxA)	3.9	2.0		ng/L	1		EPA 537	6/13/17	6/18/17 20:14	BLM
Perfluorohexanesulfonic acid (PFHxS)	6.4	2.0		ng/L	1		EPA 537	6/13/17	6/18/17 20:14	BLM
Perfluoroheptanoic acid (PFHpA)	ND	2.0		ng/L	1		EPA 537	6/13/17	6/18/17 20:14	BLM
Perfluorododecanoic acid (PFDoA)	ND	2.0		ng/L	1		EPA 537	6/13/17	6/18/17 20:14	BLM
Perfluorodecanoic acid (PFDA)	ND	2.0		ng/L	1		EPA 537	6/13/17	6/18/17 20:14	BLM
Perfluorobutanesulfonic acid (PFBS)	2.5	2.0		ng/L	1		EPA 537	6/13/17	6/18/17 20:14	BLM
NEtFOSAA	ND	2.0		ng/L	1		EPA 537	6/13/17	6/18/17 20:14	BLM
NMeFOSAA	ND	2.0		ng/L	1		EPA 537	6/13/17	6/18/17 20:14	BLM
Perfluoropentanoic acid (PFPeA)	ND	2.0		ng/L	1		EPA 537	6/13/17	6/18/17 20:14	BLM
Surrogates		% Recovery	Recovery Limits			Flag/Qual				
13C-PFHxA		98.2	70-130						6/18/17 20:14	
13C-PFDA		99.8	70-130						6/18/17 20:14	
d5-NEtFOSAA		97.9	70-130						6/18/17 20:14	

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Sample Extraction Data

Prep Method: EPA 537-EPA 537

Lab Number [Field ID]	Batch	Initial [mL]	Final [mL]	Date
17F0517-01 [20 Old Holyoke Rd.- 1]	B179101	250	1.00	06/13/17

QUALITY CONTROL

Miscellaneous Organic Analyses - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B179101 - EPA 537										
Blank (B179101-BLK1)										
Prepared: 06/13/17 Analyzed: 06/19/17										
Perfluoroundecanoic acid (PFUnA)	ND	2.0	ng/L							
Perfluorotridecanoic acid (PFTrDA)	ND	2.0	ng/L							
Perfluorotetradecanoic acid (PFTA)	ND	2.0	ng/L							
Perfluorooctanoic acid (PFOA)	ND	2.0	ng/L							
Perfluorooctanesulfonic acid (PFOS)	ND	2.0	ng/L							
Perfluorononanoic acid (PFNA)	ND	2.0	ng/L							
Perfluorohexanoic acid (PFHxA)	ND	2.0	ng/L							
Perfluorohexanesulfonic acid (PFHxS)	ND	2.0	ng/L							
Perfluoroheptanoic acid (PFHpA)	ND	2.0	ng/L							
Perfluorododecanoic acid (PFDoA)	ND	2.0	ng/L							
Perfluorodecanoic acid (PFDA)	ND	2.0	ng/L							
Perfluorobutanesulfonic acid (PFBS)	ND	2.0	ng/L							
NEtFOSAA	ND	2.0	ng/L							
NMeFOSAA	ND	2.0	ng/L							
Surrogate: 13C-PFHxA	37.0		ng/L	40.0		92.4	70-130			
Surrogate: 13C-PFDA	37.2		ng/L	40.0		93.0	70-130			
Surrogate: d5-NEtFOSAA	156		ng/L	160		97.4	70-130			
LCS (B179101-BS1)										
Prepared: 06/13/17 Analyzed: 06/18/17										
Perfluoroundecanoic acid (PFUnA)	26.2	2.0	ng/L	20.0		131 *	70-130			L-01
Perfluorotridecanoic acid (PFTrDA)	25.4	2.0	ng/L	20.0		127	70-130			
Perfluorotetradecanoic acid (PFTA)	25.1	2.0	ng/L	20.0		125	70-130			
Perfluorooctanoic acid (PFOA)	25.6	2.0	ng/L	20.0		128	70-130			
Perfluorooctanesulfonic acid (PFOS)	21.9	2.0	ng/L	18.5		118	70-130			
Perfluorononanoic acid (PFNA)	25.0	2.0	ng/L	20.0		125	70-130			
Perfluorohexanoic acid (PFHxA)	25.6	2.0	ng/L	20.0		128	70-130			
Perfluorohexanesulfonic acid (PFHxS)	23.5	2.0	ng/L	18.2		129	70-130			
Perfluoroheptanoic acid (PFHpA)	25.6	2.0	ng/L	20.0		128	70-130			
Perfluorododecanoic acid (PFDoA)	24.8	2.0	ng/L	20.0		124	70-130			
Perfluorodecanoic acid (PFDA)	25.6	2.0	ng/L	20.0		128	70-130			
Perfluorobutanesulfonic acid (PFBS)	22.6	2.0	ng/L	17.7		128	70-130			
NEtFOSAA	25.9	2.0	ng/L	20.0		130	70-130			
NMeFOSAA	25.8	2.0	ng/L	20.0		129	70-130			
Perfluoropentanoic acid (PFPeA)	24.1	2.0	ng/L	20.0		120	70-130			
Surrogate: 13C-PFHxA	62.4		ng/L	40.0		156 *	70-130			S-23
Surrogate: 13C-PFDA	63.1		ng/L	40.0		158 *	70-130			S-23
Surrogate: d5-NEtFOSAA	265		ng/L	160		166 *	70-130			S-23

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.
L-01	Laboratory fortified blank /laboratory control sample recovery outside of control limits. Data validation is not affected since all results are "not detected" for all samples in this batch for this compound and bias is on the high side.
S-23	Surrogate recovery outside of control limits in BS/MS spiked sample, all reported analytes are within control criteria, data not significantly affected.

CERTIFICATIONS

Certified Analyses included in this Report

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

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

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



contest
ANALYTICAL LABORATORY
www.contestlabs.com

CHAIN OF CUSTODY RECORD

39 Spruce Street
East Longmeadow, MA 01028

Page 1 of 1

Company Name: *ATC Group Services* Telephone: *(413) 781-0070*

Address: *73 William Franks Dr. West Springfield, MA 01089* Project # *183-EH 00170*

Attention: *Rob Smith* Client PO# _____

Project Location: *20 Old Holyoke Rd, Westfield, MA*

Sampled By: *Elizabeth O'Connor*

Project Proposal Provided? (for billing purposes)
 Yes No proposal date _____

DATA DELIVERY (check all that apply)
 FAX EMAIL WEBSITE

Format PDF EXCEL GIS OTHER

Con-Test Lab ID (Laboratory use only)	Client Sample ID / Description	Collection		Matrix Code	Dinic Units
		Date/Time	Grab		
<i>01</i>	<i>20 old Holyoke Rd - field blank</i>	<i>6/9/17</i>	<i>X</i>	<i>DW</i>	<i>U</i>
	<i>20 Old Holyoke Rd-1</i>	<i>6/9/17</i>	<i>X</i>	<i>DW</i>	<i>U</i>
	<i>20 Old Holyoke Rd-2</i>	<i>6/9/17</i>	<i>X</i>	<i>DW</i>	<i>U</i>

Comments: *20 Old Holyoke Rd-1 (EPA 537); H08 - As, Fe, Hardness, TOC*
Extract + H08: 20 Old Holyoke Rd - field blank + 20 Old Holyoke Rd - 2

Relinquished by: (signature) *Elizabeth O'Connor* Date/Time: *6/9/17 18:13*

Received by: (signature) *DS-141* Date/Time: _____

Inquired by: (signature) *Elizabeth O'Connor* Date/Time: *6/9/17 18:13*

Sealed by: (signature) _____ Date/Time: _____

1. Require lab approval

Is your project MCP or RCP?
 MCP Form Required
 RCP Form Required
 MA State DW Form Required PWSID # _____

Accredited by:

Accredited to: **NELAC & AIHA-LAP, LLC**

WBE/DBE Certified

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 6/9/17 Time 1813
 How were the samples received? In Cooler T No Cooler On Ice T No Ice
 Direct From Sample sampled same day Ambient Melted Ice
 Were samples within Temperature? 2-6°C F By Gun # 2 Actual Temp - 14.1°C
 By Blank # Actual Temp -
 Was Custody Seal Intact? NA Were Samples Tampered with? F
 Was COC Relinquished? T Does Chain Agree With Samples? T
 Are there broken/leaking/loose caps on any samples? F
 Is COC in ink/ Legible? T Were samples received within holding time? T
 Did COC include all Client? T Analysis? T Sampler Name?
 pertinent information? Project? T ID's? T Collection Dates/Times? T
 Are Sample labels filled out and legible? T
 Are there Lab to Filters? F Who was notified? NA
 Are there Rushes? F Who was notified? NA
 Are there Short Holds? F Who was notified? NA
 Is there enough Volume? T
 Is there Headspace where applicable? T 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:

[Empty box for 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

July 5, 2017

Joseph & Donna Shibley
5 Tina Lane
Westfield, MA 01085

Re: Notice of Environmental Sampling
5 Tina Lane
Westfield Private Well Sampling
RTN 1-20093

Dear Mr. & Mrs. Shibley:

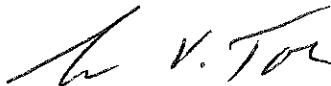
The Department of Environmental Protection (DEP) collected a drinking water sample from your private well on June 9, 2017. The purpose of the sampling was to investigate whether your well has been affected by a release of perfluorinated compounds (PFCs) to local groundwater. The sample was sent to a 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 water¹

The sampling result indicates PFOA and PFOS compounds were not detected above the laboratory reporting limit of 2 ppt. Based on the absence of detectable PFC compounds in the sample collected from your well, no further action, including additional sampling and/or mitigation measures (i.e. bottled water) are required at this time. The Department thanks you for granting access to your property.

Notice of Environmental Sampling
5 Tina Lane
Westfield, RTN 1-20093
July 5, 2017
Page 2 of 2

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

Sincerely,



Eva Tor
Deputy Regional Director
Bureau of Waste Site Cleanup

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

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

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

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



Massachusetts Department of Environmental Protection
Bureau of Waste Site Cleanup

BWSC123

This Notice is Related to:
Release Tracking Number

NOTICE OF ENVIRONMENTAL SAMPLING

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

1 - 20093

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

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

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

1. Name: Joseph & Donna Shibley
2. Street Address: 5 Tina Lane
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: 5 Tina Lane
City/Town: Westfield Zip Code: 01103

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.

A drinking water sample was collected from the private well located on the above-referenced property and analyzed for PFAS via EPA Method 537.1.

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

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



NOTICE OF ENVIRONMENTAL SAMPLING

1 - 20093

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

MASSACHUSETTS REGULATIONS THAT REQUIRE THIS NOTICE

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

THE PERSON(S) PROVIDING THIS NOTICE

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

PURPOSE OF THIS NOTICE

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

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

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

FOR MORE INFORMATION

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


June 20, 2017

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

Project Location: 1358 East Mountain Rd., Westfield
Client Job Number:
Project Number: 183EM00170
Laboratory Work Order Number: 17F0797

Enclosed are results of analyses for samples received by the laboratory on June 14, 2017. If you have any questions concerning this report, please feel free to contact me.

Sincerely,



Kerry K. McGee
Project Manager

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17F0797-01	5
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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: 6/20/2017

PURCHASE ORDER NUMBER:

PROJECT NUMBER: 183EM00170

ANALYTICAL SUMMARY

WORK ORDER NUMBER: 17F0797

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

PROJECT LOCATION: 1358 East Mountain Rd., Westfield

FIELD SAMPLE #	LAB ID:	MATRIX	SAMPLE DESCRIPTION	TEST	SUB LAB
1358 East Mountain Rd. - 1	17F0797-01	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.

EPA 537

Qualifications:

L-01

Laboratory fortified blank /laboratory control sample recovery outside of control limits. Data validation is not affected since all results are "not detected" for all samples in this batch for this compound and bias is on the high side.

Analyte & Samples(s) Qualified:

Perfluoroundecanoic acid (PFUnA)

B179482-BS1

L-05

Laboratory fortified blank/laboratory control sample recovery is outside of control limits. Reported value for this compound is likely to be biased on the high side.

Analyte & Samples(s) Qualified:

Perfluorohexanoic acid (PFHxA)

B179482-BS1

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.



Tod E. Kopyscinski
Laboratory Director

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

Project Location: 1358 East Mountain Rd., Westfie

Sample Description:

Work Order: 17F0797

Date Received: 6/14/2017

Field Sample #: 1358 East Mountain Rd. - 1

Sampled: 6/14/2017 10:48

Sample ID: 17F0797-01

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	
Perfluoroundecanoic acid (PFUnA)	ND	2.0		ng/L	1		EPA 537	6/17/17	6/18/17 22:46	BLM
Perfluorotridecanoic acid (PFTrDA)	ND	2.0		ng/L	1		EPA 537	6/17/17	6/18/17 22:46	BLM
Perfluorotetradecanoic acid (PFTA)	ND	2.0		ng/L	1		EPA 537	6/17/17	6/18/17 22:46	BLM
Perfluorooctanoic acid (PFOA)	ND	2.0		ng/L	1		EPA 537	6/17/17	6/18/17 22:46	BLM
Perfluorooctanesulfonic acid (PFOS)	ND	2.0		ng/L	1		EPA 537	6/17/17	6/18/17 22:46	BLM
Perfluorononanoic acid (PFNA)	ND	2.0		ng/L	1		EPA 537	6/17/17	6/18/17 22:46	BLM
Perfluorohexanoic acid (PFHxA)	ND	2.0		ng/L	1		EPA 537	6/17/17	6/18/17 22:46	BLM
Perfluorohexanesulfonic acid (PFHxS)	2.2	2.0		ng/L	1		EPA 537	6/17/17	6/18/17 22:46	BLM
Perfluoroheptanoic acid (PFHpA)	ND	2.0		ng/L	1		EPA 537	6/17/17	6/18/17 22:46	BLM
Perfluorododecanoic acid (PFDoA)	ND	2.0		ng/L	1		EPA 537	6/17/17	6/18/17 22:46	BLM
Perfluorodecanoic acid (PFDA)	ND	2.0		ng/L	1		EPA 537	6/17/17	6/18/17 22:46	BLM
Perfluorobutanesulfonic acid (PFBS)	ND	2.0		ng/L	1		EPA 537	6/17/17	6/18/17 22:46	BLM
NEtFOSAA	ND	2.0		ng/L	1		EPA 537	6/17/17	6/18/17 22:46	BLM
NMeFOSAA	ND	2.0		ng/L	1		EPA 537	6/17/17	6/18/17 22:46	BLM
Surrogates		% Recovery	Recovery Limits			Flag/Qual				
13C-PFHxA		120	70-130						6/18/17 22:46	
13C-PFDA		105	70-130						6/18/17 22:46	
d5-NEtFOSAA		121	70-130						6/18/17 22:46	

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

Sample Extraction Data

Prep Method: EPA 537-EPA 537

Lab Number [Field ID]	Batch	Initial [mL]	Final [mL]	Date
17F0797-01 [1358 East Mountain Rd. - 1]	B179482	250	1.00	06/17/17

QUALITY CONTROL

Miscellaneous Organic Analyses - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B179482 - EPA 537										
Blank (B179482-BLK1) Prepared: 06/17/17 Analyzed: 06/18/17										
Perfluoroundecanoic acid (PFUnA)	ND	2.0	ng/L							
Perfluorotridecanoic acid (PFTrDA)	ND	2.0	ng/L							
Perfluorotetradecanoic acid (PFTA)	ND	2.0	ng/L							
Perfluorooctanoic acid (PFOA)	ND	2.0	ng/L							
Perfluorooctanesulfonic acid (PFOS)	ND	2.0	ng/L							
Perfluorononanoic acid (PFNA)	ND	2.0	ng/L							
Perfluorohexanoic acid (PFHxA)	ND	2.0	ng/L							
Perfluorohexanesulfonic acid (PFHxS)	ND	2.0	ng/L							
Perfluoroheptanoic acid (PFHpA)	ND	2.0	ng/L							
Perfluorododecanoic acid (PFDoA)	ND	2.0	ng/L							
Perfluorodecanoic acid (PFDA)	ND	2.0	ng/L							
Perfluorobutanesulfonic acid (PFBS)	ND	2.0	ng/L							
NEtFOSAA	ND	2.0	ng/L							
NMeFOSAA	ND	2.0	ng/L							
Surrogate: 13C-PFHxA	48.0		ng/L	40.0		120	70-130			
Surrogate: 13C-PFDA	49.3		ng/L	40.0		123	70-130			
Surrogate: d5-NEtFOSAA	197		ng/L	160		123	70-130			
LCS (B179482-BS1) Prepared: 06/17/17 Analyzed: 06/18/17										
Perfluoroundecanoic acid (PFUnA)	3.11	2.0	ng/L	2.00		155 *	50-150			L-01
Perfluorotridecanoic acid (PFTrDA)	2.71	2.0	ng/L	2.00		135	50-150			
Perfluorotetradecanoic acid (PFTA)	2.67	2.0	ng/L	2.00		134	50-150			
Perfluorooctanoic acid (PFOA)	2.94	2.0	ng/L	2.00		147	50-150			
Perfluorooctanesulfonic acid (PFOS)	2.67	2.0	ng/L	1.85		145	50-150			
Perfluorononanoic acid (PFNA)	2.58	2.0	ng/L	2.00		129	50-150			
Perfluorohexanoic acid (PFHxA)	3.36	2.0	ng/L	2.00		168 *	50-150			L-05
Perfluorohexanesulfonic acid (PFHxS)	2.56	2.0	ng/L	1.82		140	50-150			
Perfluoroheptanoic acid (PFHpA)	2.96	2.0	ng/L	2.00		148	50-150			
Perfluorododecanoic acid (PFDoA)	2.64	2.0	ng/L	2.00		132	50-150			
Perfluorodecanoic acid (PFDA)	2.71	2.0	ng/L	2.00		135	50-150			
Perfluorobutanesulfonic acid (PFBS)	2.38	2.0	ng/L	1.77		135	50-150			
NEtFOSAA	2.95	2.0	ng/L	2.00		147	50-150			
NMeFOSAA	2.56	2.0	ng/L	2.00		128	50-150			
Surrogate: 13C-PFHxA	51.1		ng/L	40.0		128	70-130			
Surrogate: 13C-PFDA	51.8		ng/L	40.0		129	70-130			
Surrogate: d5-NEtFOSAA	205		ng/L	160		128	70-130			

FLAG/QUALIFIER SUMMARY

*	QC result is outside of established limits.
†	Wide recovery limits established for difficult compound.
‡	Wide RPD limits established for difficult compound.
#	Data exceeded client recommended or regulatory level
ND	Not Detected
RL	Reporting Limit
DL	Method Detection Limit
MCL	Maximum Contaminant Level
	Percent recoveries and relative percent differences (RPDs) are determined by the software using values in the calculation which have not been rounded.
	No results have been blank subtracted unless specified in the case narrative section.
L-01	Laboratory fortified blank /laboratory control sample recovery outside of control limits. Data validation is not affected since all results are "not detected" for all samples in this batch for this compound and bias is on the high side.
L-05	Laboratory fortified blank/laboratory control sample recovery is outside of control limits. Reported value for this compound is likely to be biased on the high side.

CERTIFICATIONS

Certified Analyses included in this Report

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

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

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

17F0797



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

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

http://www.contestlabs.com

Company Name: ATC Group Services
Address: 73 William Franks Drive, West Springfield, MA
Phone: (413) 781-0070
Project Name: 1358 East Mountain Rd, Westfield
Project Location: 1358 East Mountain Rd, Westfield
Project Number: 183EM00170
Project Manager: Rob Smith
Con-Test Quote Name/Number:
Invoice Recipient:
Sampled By: Elizabeth O'Connor

Request Turnaround Time:
 7-Day 10-Day
Due Date: 5-day TAT
Analysis Requested:
 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	Compos.	Grab	Matrix Code	Conc Code
	1358 East Mountain Rd - field blank	6/14/2017	10:30		X	DW	U
	1358 East Mountain Rd - 1	6/14/2017	10:48		X	DW	U
	1358 East Mountain Rd - 2	6/14/2017	10:49		X	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: 1358 East Mountain Rd-1
 EXTRACT & HOLD EPA Method 537: 1358 East Mountain Rd-field blank & 1358 East Mountain Rd-2
 HOLD As, Fe, Hardness, TOC

Requisitioned by: (signature) *Elizabeth O'Connor* Date/Time: 6/14/17 1810
Received by: (signature) *Rob Smith* Date/Time: 6/14/17 4:8
Requisitioned by: (signature) *Elizabeth O'Connor* Date/Time: 6/14/17 1810
Received by: (signature) *Rob Smith* Date/Time: 6/14/17 4:8

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

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

Other:
 Chromatogram
 AIFA-LAP, LLC

PCB ONLY:
 Soxhlet
 Non Soxhlet



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



con-test
 ANALYTICAL LABORATORY

Doc# 277 Rev 5 2017

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

Client ATC

Received By PB Date 6-14-17 Time 18:10

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

Were samples within Temperature? 2-6°C T By Gun # 0 Actual Temp - 4.8
 By Blank # _____ Actual Temp - _____

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

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

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

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

Are Sample labels filled out and legible? T

Are there Lab to Filters? F Who was notified? _____

Are there Rushes? F Who was notified? _____

Are there Short Holds? F Who was notified? _____

Is there enough Volume? T

Is there Headspace where applicable? NA MS/MSD? NA

Proper Media/Containers Used? T splitting samples require F

Were TB's received? F On COC? NA

Do All Samples Have the proper pH? Acid T Base _____

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

Unused Media

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

Comments:



Commonwealth of Massachusetts
Executive Office of Energy & Environmental Affairs

Department of Environmental Protection

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

Charles D. Baker
Governor

Karyn E. Polito
Lieutenant Governor

Matthew A. Beaton
Secretary

Martin Suuberg
Commissioner

July 5, 2017

Michael Malloy and Susan Flint
14 Indian Ridge Road
Westfield, MA 01085

Re: Notice of Environmental Sampling
14 Indian Ridge Road
Westfield Private Well Sampling
RTN 1-20093

Dear Mr. Malloy & Ms. Flint:

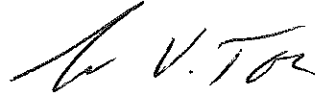
The Department of Environmental Protection (DEP) collected a drinking water sample from your private well on June 14, 2017. The purpose of the sampling was to investigate whether your well has been affected by a release of perfluorinated compounds (PFCs) to local groundwater. The sample was sent to a 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 water¹

The sampling result indicates PFOA and PFOS compounds were not detected above the laboratory reporting limit of 2 ppt. Based on the absence of detectable PFC compounds in the sample collected from your well, no further action, including additional sampling and/or mitigation measures (i.e. bottled water) are required at this time. The Department thanks you for granting access to your property.

Notice of Environmental Sampling
14 Indian Ridge Road
Westfield, RTN 1-20093
July 5, 2017
Page 2 of 2

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

Sincerely,



Eva Tor
Deputy Regional Director
Bureau of Waste Site Cleanup

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

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

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

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



Massachusetts Department of Environmental Protection
Bureau of Waste Site Cleanup

BWSC123

This Notice is Related to:
Release Tracking Number

NOTICE OF ENVIRONMENTAL SAMPLING

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

1 - 20093

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

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

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

1. Name: Michael Malloy & Susan Flint
2. Street Address: 14 Indian Ridge Road
City/Town: Westfield Zip Code: 01085

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

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

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

1. Street Address: 14 Indian Ridge Road
City/Town: Westfield Zip Code: 01103

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.

A drinking water sample was collected from the private well located on the above-referenced property and analyzed for PFAS via EPA Method 537.1.

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

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



NOTICE OF ENVIRONMENTAL SAMPLING

1 - 20093

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

MASSACHUSETTS REGULATIONS THAT REQUIRE THIS NOTICE

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

THE PERSON(S) PROVIDING THIS NOTICE

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

PURPOSE OF THIS NOTICE

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

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

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

FOR MORE INFORMATION

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

62

June 20, 2017

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

Project Location: 14 Indian Ridge Rd., Westfield
Client Job Number:
Project Number: 183EM00170
Laboratory Work Order Number: 17F0802

Enclosed are results of analyses for samples received by the laboratory on June 14, 2017. If you have any questions concerning this report, please feel free to contact me.

Sincerely,



Kerry K. McGee
Project Manager

Table of Contents

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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: 6/20/2017

PURCHASE ORDER NUMBER:

PROJECT NUMBER: 183EM00170

ANALYTICAL SUMMARY

WORK ORDER NUMBER: 17F0802

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

PROJECT LOCATION: 14 Indian Ridge Rd., Westfield

FIELD SAMPLE #	LAB ID:	MATRIX	SAMPLE DESCRIPTION	TEST	SUB LAB
14 Indian Ridge Rd. - 1	17F0802-01	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.

EPA 537

Qualifications:

L-01

Laboratory fortified blank /laboratory control sample recovery outside of control limits. Data validation is not affected since all results are "not detected" for all samples in this batch for this compound and bias is on the high side.

Analyte & Sample(s) Qualified:

Perfluoroundecanoic acid (PFUnA)
B179482-BS1

L-05

Laboratory fortified blank/laboratory control sample recovery is outside of control limits. Reported value for this compound is likely to be biased on the high side.

Analyte & Sample(s) Qualified:

Perfluorohexanoic acid (PFHxA)
B179482-BS1

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.



Tod E. Kopyscinski
Laboratory Director

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

Project Location: 14 Indian Ridge Rd., Westfield

Sample Description:

Work Order: 17F0802

Date Received: 6/14/2017

Field Sample #: 14 Indian Ridge Rd. - 1

Sampled: 6/14/2017 14:58

Sample ID: 17F0802-01

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	
Perfluoroundecanoic acid (PFUnA)	ND	2.0		ng/L	1		EPA 537	6/17/17	6/18/17 23:50	BLM
Perfluorotridecanoic acid (PFTrDA)	ND	2.0		ng/L	1		EPA 537	6/17/17	6/18/17 23:50	BLM
Perfluorotetradecanoic acid (PFTA)	ND	2.0		ng/L	1		EPA 537	6/17/17	6/18/17 23:50	BLM
Perfluorooctanoic acid (PFOA)	ND	2.0		ng/L	1		EPA 537	6/17/17	6/18/17 23:50	BLM
Perfluorooctanesulfonic acid (PFOS)	ND	2.0		ng/L	1		EPA 537	6/17/17	6/18/17 23:50	BLM
Perfluorononanoic acid (PFNA)	ND	2.0		ng/L	1		EPA 537	6/17/17	6/18/17 23:50	BLM
Perfluorohexanoic acid (PFHxA)	2.3	2.0		ng/L	1		EPA 537	6/17/17	6/18/17 23:50	BLM
Perfluorohexanesulfonic acid (PFHxS)	ND	2.0		ng/L	1		EPA 537	6/17/17	6/18/17 23:50	BLM
Perfluoroheptanoic acid (PFHpA)	ND	2.0		ng/L	1		EPA 537	6/17/17	6/18/17 23:50	BLM
Perfluorododecanoic acid (PFDoA)	ND	2.0		ng/L	1		EPA 537	6/17/17	6/18/17 23:50	BLM
Perfluorodecanoic acid (PFDA)	ND	2.0		ng/L	1		EPA 537	6/17/17	6/18/17 23:50	BLM
Perfluorobutanesulfonic acid (PFBS)	ND	2.0		ng/L	1		EPA 537	6/17/17	6/18/17 23:50	BLM
NEtFOSAA	ND	2.0		ng/L	1		EPA 537	6/17/17	6/18/17 23:50	BLM
NMeFOSAA	ND	2.0		ng/L	1		EPA 537	6/17/17	6/18/17 23:50	BLM

Surrogates	% Recovery	Recovery Limits	Flag/Qual
13C-PFHxA	128	70-130	6/18/17 23:50
13C-PFDA	98.8	70-130	6/18/17 23:50
d5-NEtFOSAA	129	70-130	6/18/17 23:50

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

Sample Extraction Data

Prep Method: EPA 537-EPA 537

Lab Number [Field ID]	Batch	Initial [mL]	Final [mL]	Date
17F0802-01 [14 Indian Ridge Rd. - 1]	B179482	250	1.00	06/17/17

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 B179482 - EPA 537										
Blank (B179482-BLK1)										
					Prepared: 06/17/17 Analyzed: 06/18/17					
Perfluoroundecanoic acid (PFUnA)	ND	2.0	ng/L							
Perfluorotridecanoic acid (PFTrDA)	ND	2.0	ng/L							
Perfluorotetradecanoic acid (PFTA)	ND	2.0	ng/L							
Perfluorooctanoic acid (PFOA)	ND	2.0	ng/L							
Perfluorooctanesulfonic acid (PFOS)	ND	2.0	ng/L							
Perfluorononanoic acid (PFNA)	ND	2.0	ng/L							
Perfluorohexanoic acid (PFHxA)	ND	2.0	ng/L							
Perfluorohexanesulfonic acid (PFHxS)	ND	2.0	ng/L							
Perfluoroheptanoic acid (PFHpA)	ND	2.0	ng/L							
Perfluorododecanoic acid (PFDoA)	ND	2.0	ng/L							
Perfluorodecanoic acid (PFDA)	ND	2.0	ng/L							
Perfluorobutanesulfonic acid (PFBS)	ND	2.0	ng/L							
NEtFOSAA	ND	2.0	ng/L							
NMeFOSAA	ND	2.0	ng/L							
Surrogate: 13C-PFHxA	48.0		ng/L	40.0		120	70-130			
Surrogate: 13C-PFDA	49.3		ng/L	40.0		123	70-130			
Surrogate: d5-NEtFOSAA	197		ng/L	160		123	70-130			
LCS (B179482-BS1)										
					Prepared: 06/17/17 Analyzed: 06/18/17					
Perfluoroundecanoic acid (PFUnA)	3.11	2.0	ng/L	2.00		155 *	50-150			L-01
Perfluorotridecanoic acid (PFTrDA)	2.71	2.0	ng/L	2.00		135	50-150			
Perfluorotetradecanoic acid (PFTA)	2.67	2.0	ng/L	2.00		134	50-150			
Perfluorooctanoic acid (PFOA)	2.94	2.0	ng/L	2.00		147	50-150			
Perfluorooctanesulfonic acid (PFOS)	2.67	2.0	ng/L	1.85		145	50-150			
Perfluorononanoic acid (PFNA)	2.58	2.0	ng/L	2.00		129	50-150			
Perfluorohexanoic acid (PFHxA)	3.36	2.0	ng/L	2.00		168 *	50-150			L-05
Perfluorohexanesulfonic acid (PFHxS)	2.56	2.0	ng/L	1.82		140	50-150			
Perfluoroheptanoic acid (PFHpA)	2.96	2.0	ng/L	2.00		148	50-150			
Perfluorododecanoic acid (PFDoA)	2.64	2.0	ng/L	2.00		132	50-150			
Perfluorodecanoic acid (PFDA)	2.71	2.0	ng/L	2.00		135	50-150			
Perfluorobutanesulfonic acid (PFBS)	2.38	2.0	ng/L	1.77		135	50-150			
NEtFOSAA	2.95	2.0	ng/L	2.00		147	50-150			
NMeFOSAA	2.56	2.0	ng/L	2.00		128	50-150			
Surrogate: 13C-PFHxA	51.1		ng/L	40.0		128	70-130			
Surrogate: 13C-PFDA	51.8		ng/L	40.0		129	70-130			
Surrogate: d5-NEtFOSAA	205		ng/L	160		128	70-130			

FLAG/QUALIFIER SUMMARY

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

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

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

L-01	Laboratory fortified blank /laboratory control sample recovery outside of control limits. Data validation is not affected since all results are "not detected" for all samples in this batch for this compound and bias is on the high side.
L-05	Laboratory fortified blank/laboratory control sample recovery is outside of control limits. Reported value for this compound is likely to be biased on the high side.

CERTIFICATIONS

Certified Analyses included in this Report

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

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

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FL	Florida Department of Health	E871027 NELAP	06/30/2018
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ME	State of Maine	2011028	06/9/2019
VA	Commonwealth of Virginia	460217	12/14/2017
NH-P	New Hampshire Environmental Lab	2557 NELAP	09/6/2017
VT-DW	Vermont Department of Health Drinking Water	VT-255716	06/12/2018

17F0802



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

Company Name: ATC Group Services
Address: 73 William Franks Drive, West Springfield, MA
Phone: (413) 781-0070
Project Name: 14 Indian Ridge Rd, Westfield
Project Location: 14 Indian Ridge Rd, Westfield
Project Number: 183EM00170
Project Manager: Rob Smith

Con-Test Quote Name/Number:
Invoice Recipient:
Sampled By: Elizabeth O'Connor

Con-Test Work Order #	Client Sample Description	Request Date/Time	Analysis Date/Time	Matrix Code	Other Code
01	14 Indian Ridge Rd - field blank	6/14/2017 14:48		DW	U
	14 Indian Ridge Rd - 1	6/14/2017 14:58		DW	U
	14 Indian Ridge Rd - 2	6/14/2017 14:59		DW	U

Comments:
 RUN EPA Method 537: 14 Indian Ridge Rd-1
 EXTRACT & HOLD EPA Method 537: 14 Indian Ridge Rd-field blank & 14 Indian Ridge Rd-2
 HOLD As, Fe, Hardness, TOC

Requisitioned by: (signature) Elizabeth O'Connor
Received by: (signature) [Signature]
Requisitioned by: (signature) [Signature]

Date/Time: 6/14/17 1810
Date/Time: 6/14/17 1810
Date/Time:
Date/Time:
Date/Time:
Date/Time:

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

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



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

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

Page 1 of 1

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



con-test
 ANALYTICAL LABORATORY

Doc# 277 Rev 5 2017

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

Client ATC

Received By PB Date 6-14-17 Time 18:10

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

Were samples within Temperature? 2-6°C T By Gun # 7 Actual Temp - 4.8
 By Blank # _____ Actual Temp - _____

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

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

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

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

Are Sample labels filled out and legible? T

Are there Lab to Filters? F Who was notified? _____

Are there Rushes? F Who was notified? _____

Are there Short Holds? F Who was notified? _____

Is there enough Volume? T

Is there Headspace where applicable? NA MS/MSD? NA

Proper Media/Containers Used? T splitting samples require F

Were TB's received? F On COC? NA

Do All Samples Have the proper pH? Acid T Base _____

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

Unused Media

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

Comments:



Commonwealth of Massachusetts
Executive Office of Energy & Environmental Affairs

Department of Environmental Protection

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

Charles D. Baker
Governor

Karyn E. Polito
Lieutenant Governor

Matthew A. Beaton
Secretary

Martin Suuberg
Commissioner

July 5, 2017

John & Joanne Janik
1358 East Mountain Road
Westfield, MA 01085

Re: Notice of Environmental Sampling
1358 East Mountain Road
Westfield Private Well Sampling
RTN 1-20093

Dear Mr. & Mrs. Janik:

The Department of Environmental Protection (DEP) collected a drinking water sample from your private well on June 14, 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 water¹

The sampling result indicates PFOA and PFOS compounds were not detected above the laboratory reporting limit of 2 ppt. Based on the absence of detectable PFC compounds in the sample collected from your well, no further action, including additional sampling and/or mitigation measures (i.e. bottled water) are required at this time. The Department thanks you for granting access to your property.

Notice of Environmental Sampling
1358 East Mountain Road
Westfield, RTN 1-20093
July 5, 2017
Page 2 of 2

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

Sincerely,



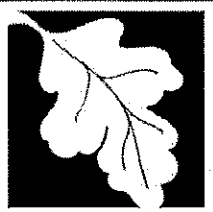
Eva Tor
Deputy Regional Director
Bureau of Waste Site Cleanup

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

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

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



Massachusetts Department of Environmental Protection
Bureau of Waste Site Cleanup

BWSC123

This Notice is Related to:
Release Tracking Number

NOTICE OF ENVIRONMENTAL SAMPLING

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

1 - 20093

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

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

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

1. Name: John & Joanne Janik
2. Street Address: 1358 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: 1358 East Mountain Road
City/Town: Westfield Zip Code: 01103

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.

A drinking water sample was collected from the private well located on the above-referenced property and analyzed for PFAS via EPA Method 537.1.

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

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



Massachusetts Department of Environmental Protection
Bureau of Waste Site Cleanup

BWSC123

This Notice is Related to:
Release Tracking Number

NOTICE OF ENVIRONMENTAL SAMPLING

1 - 20093

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

MASSACHUSETTS REGULATIONS THAT REQUIRE THIS NOTICE

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

THE PERSON(S) PROVIDING THIS NOTICE

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

PURPOSE OF THIS NOTICE

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

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

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

FOR MORE INFORMATION

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

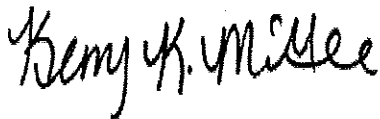
June 21, 2017

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

Project Location: 5 Tina Lane, Westfield, MA
Client Job Number:
Project Number: 183EM00170
Laboratory Work Order Number: 17F0518

Enclosed are results of analyses for samples received by the laboratory on June 9, 2017. If you have any questions concerning this report, please feel free to contact me.

Sincerely,



Kerry K. McGee
Project Manager

Table of Contents

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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: 6/21/2017

PURCHASE ORDER NUMBER:

PROJECT NUMBER: 183EM00170

ANALYTICAL SUMMARY

WORK ORDER NUMBER: 17F0518

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

PROJECT LOCATION: 5 Tina Lane, Westfield, MA

FIELD SAMPLE #	LAB ID:	MATRIX	SAMPLE DESCRIPTION	TEST	SUB LAB
5 Tina Lane - 1	17F0518-01	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.

EPA 537

Qualifications:

L-01

Laboratory fortified blank /laboratory control sample recovery outside of control limits. Data validation is not affected since all results are "not detected" for all samples in this batch for this compound and bias is on the high side.

Analyte & Samples(s) Qualified:

Perfluoroundecanoic acid (PFUnA)

B179101-BS1

S-23

Surrogate recovery outside of control limits in BS/MS spiked sample, all reported analytes are within control criteria, data not significantly affected.

Analyte & Samples(s) Qualified:

13C-PFDA

B179101-BS1

13C-PFHxA

B179101-BS1

d5-NEtFOSAA

B179101-BS1

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

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



Lisa A. Worthington
Project Manager

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

Project Location: 5 Tina Lane, Westfield, MA

Sample Description:

Work Order: 17F0518

Date Received: 6/9/2017

Field Sample #: 5 Tina Lane - 1

Sampled: 6/9/2017 15:51

Sample ID: 17F0518-01

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	
Perfluoroundecanoic acid (PFUnA)	ND	2.0		ng/L	1		EPA 537	6/13/17	6/18/17 20:26	BLM
Perfluorotridecanoic acid (PFTTrDA)	ND	2.0		ng/L	1		EPA 537	6/13/17	6/18/17 20:26	BLM
Perfluorotetradecanoic acid (PFTA)	ND	2.0		ng/L	1		EPA 537	6/13/17	6/18/17 20:26	BLM
Perfluorooctanoic acid (PFOA)	ND	2.0		ng/L	1		EPA 537	6/13/17	6/18/17 20:26	BLM
Perfluorooctanesulfonic acid (PFOS)	ND	2.0		ng/L	1		EPA 537	6/13/17	6/18/17 20:26	BLM
Perfluorononanoic acid (PFNA)	ND	2.0		ng/L	1		EPA 537	6/13/17	6/18/17 20:26	BLM
Perfluorohexanoic acid (PFHxA)	2.1	2.0		ng/L	1		EPA 537	6/13/17	6/18/17 20:26	BLM
Perfluorohexanesulfonic acid (PFHxS)	ND	2.0		ng/L	1		EPA 537	6/13/17	6/18/17 20:26	BLM
Perfluoroheptanoic acid (PFHpA)	ND	2.0		ng/L	1		EPA 537	6/13/17	6/18/17 20:26	BLM
Perfluorododecanoic acid (PFDoA)	ND	2.0		ng/L	1		EPA 537	6/13/17	6/18/17 20:26	BLM
Perfluorodecanoic acid (PFDA)	ND	2.0		ng/L	1		EPA 537	6/13/17	6/18/17 20:26	BLM
Perfluorobutanesulfonic acid (PFBS)	ND	2.0		ng/L	1		EPA 537	6/13/17	6/18/17 20:26	BLM
NEtFOSAA	ND	2.0		ng/L	1		EPA 537	6/13/17	6/18/17 20:26	BLM
NMeFOSAA	ND	2.0		ng/L	1		EPA 537	6/13/17	6/18/17 20:26	BLM
Perfluoropentanoic acid (PFPeA)	2.5	2.0		ng/L	1		EPA 537	6/13/17	6/18/17 20:26	BLM
Surrogates		% Recovery		Recovery Limits		Flag/Qual				
I3C-PFHxA		107		70-130					6/18/17 20:26	
I3C-PFDA		88.7		70-130					6/18/17 20:26	
d5-NEtFOSAA		99.7		70-130					6/18/17 20:26	

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

Sample Extraction Data

Prep Method: EPA 537-EPA 537

Lab Number [Field ID]	Batch	Initial [mL]	Final [mL]	Date
17F0518-01 [5 Tina Lane - 1]	B179101	250	1.00	06/13/17

QUALITY CONTROL

Miscellaneous Organic Analyses - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B179101 - EPA 537										
Blank (B179101-BLK1)										
Prepared: 06/13/17 Analyzed: 06/19/17										
Perfluoroundecanoic acid (PFUnA)	ND	2.0	ng/L							
Perfluorotridecanoic acid (PFTrDA)	ND	2.0	ng/L							
Perfluorotetradecanoic acid (PFTA)	ND	2.0	ng/L							
Perfluorooctanoic acid (PFOA)	ND	2.0	ng/L							
Perfluorooctanesulfonic acid (PFOS)	ND	2.0	ng/L							
Perfluorononanoic acid (PFNA)	ND	2.0	ng/L							
Perfluorohexanoic acid (PFHxA)	ND	2.0	ng/L							
Perfluorohexanesulfonic acid (PFHxS)	ND	2.0	ng/L							
Perfluoroheptanoic acid (PFHpA)	ND	2.0	ng/L							
Perfluorododecanoic acid (PFDoA)	ND	2.0	ng/L							
Perfluorodecanoic acid (PFDA)	ND	2.0	ng/L							
Perfluorobutanesulfonic acid (PFBS)	ND	2.0	ng/L							
NEtFOSAA	ND	2.0	ng/L							
NMeFOSAA	ND	2.0	ng/L							
Surrogate: 13C-PFHxA	37.0		ng/L	40.0		92.4	70-130			
Surrogate: 13C-PFDA	37.2		ng/L	40.0		93.0	70-130			
Surrogate: d5-NEtFOSAA	156		ng/L	160		97.4	70-130			
LCS (B179101-BS1)										
Prepared: 06/13/17 Analyzed: 06/18/17										
Perfluoroundecanoic acid (PFUnA)	26.2	2.0	ng/L	20.0		131	* 70-130			L-01
Perfluorotridecanoic acid (PFTrDA)	25.4	2.0	ng/L	20.0		127	70-130			
Perfluorotetradecanoic acid (PFTA)	25.1	2.0	ng/L	20.0		125	70-130			
Perfluorooctanoic acid (PFOA)	25.6	2.0	ng/L	20.0		128	70-130			
Perfluorooctanesulfonic acid (PFOS)	21.9	2.0	ng/L	18.5		118	70-130			
Perfluorononanoic acid (PFNA)	25.0	2.0	ng/L	20.0		125	70-130			
Perfluorohexanoic acid (PFHxA)	25.6	2.0	ng/L	20.0		128	70-130			
Perfluorohexanesulfonic acid (PFHxS)	23.5	2.0	ng/L	18.2		129	70-130			
Perfluoroheptanoic acid (PFHpA)	25.6	2.0	ng/L	20.0		128	70-130			
Perfluorododecanoic acid (PFDoA)	24.8	2.0	ng/L	20.0		124	70-130			
Perfluorodecanoic acid (PFDA)	25.6	2.0	ng/L	20.0		128	70-130			
Perfluorobutanesulfonic acid (PFBS)	22.6	2.0	ng/L	17.7		128	70-130			
NEtFOSAA	25.9	2.0	ng/L	20.0		130	70-130			
NMeFOSAA	25.8	2.0	ng/L	20.0		129	70-130			
Perfluoropentanoic acid (PFPeA)	24.1	2.0	ng/L	20.0		120	70-130			
Surrogate: 13C-PFHxA	62.4		ng/L	40.0		156	* 70-130			S-23
Surrogate: 13C-PFDA	63.1		ng/L	40.0		158	* 70-130			S-23
Surrogate: d5-NEtFOSAA	265		ng/L	160		166	* 70-130			S-23

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.
L-01	Laboratory fortified blank /laboratory control sample recovery outside of control limits. Data validation is not affected since all results are "not detected" for all samples in this batch for this compound and bias is on the high side.
S-23	Surrogate recovery outside of control limits in BS/MS spiked sample, all reported analytes are within control criteria, data not significantly affected.

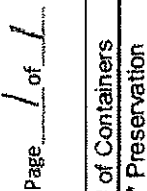
CERTIFICATIONS

Certified Analyses included in this Report

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

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

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



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

CHAIN OF CUSTODY RECORD

Company Name: ATC Group Services
 Address: 73 William Franks Dr.
West Springfield, MA 01089
 Attention: Rob Smith
 Project Location: 5 Tina Lane, Westfield, MA
 Sampled By: Elizabeth O'Connor

Telephone: (413) 781-0070
 Project # 183EM00170
 Client PO# _____

DATA DELIVERY (check all that apply)
 FAX EMAIL WEBSITE
 PDF EXCEL GIS
 OTHER _____
 "Enhanced Data Package"
 Format _____

Project Proposal Provided? (for billing purposes)
 Yes No proposal date _____

Collection Date/Time: _____
 Matrix Date/Lane Data: _____

Con-Test Lab ID (laboratory use only) _____
 Client Sample ID / Description _____

5 Tina Lane - Field blank
 5 Tina Lane - 1
 5 Tina Lane - 2

Date/Time: 6/9/17 15:40
 6/9/17 15:51
 6/9/17 15:52

Composite _____
 Matrix Date/Lane Data: _____

Matrix Date/Lane Data: _____

Matrix Date/Lane Data: _____

Matrix Date/Lane Data: _____

Matrix Date/Lane Data: _____

Matrix Date/Lane Data: _____

Matrix Date/Lane Data: _____

Matrix Date/Lane Data: _____

Matrix Date/Lane Data: _____

Matrix Date/Lane Data: _____

Matrix Date/Lane Data: _____

Matrix Date/Lane Data: _____

Matrix Date/Lane Data: _____

Matrix Date/Lane Data: _____

Matrix Date/Lane Data: _____

Matrix Date/Lane Data: _____

Matrix Date/Lane Data: _____

Matrix Date/Lane Data: _____

Comments:
Run: 5 Tina Lane - 1 (EPA 537); Hold - As, Fe, Hardness, TOC
extract + Hold: 5 Tina Lane - Field blank + 5 Tina Lane - 2

Relinquished by: (signature) _____
 Date/Time: 6/9/17

Received by: (signature) _____
 Date/Time: 6/9/17

Inquished by: (signature) _____
 Date/Time: 6/9/17

Received by: (signature) _____
 Date/Time: _____

Received by: (signature) _____
 Date/Time: _____

Received by: (signature) _____
 Date/Time: _____

Received by: (signature) _____
 Date/Time: _____

Received by: (signature) _____
 Date/Time: _____

of Containers _____
 Preservation _____

Container Code _____

Disolved Metals
 Field Filtered
 Lab-to-Filter

***Cont. Code:
 A=amber glass
 G=glass
 P=plastic
 ST=sterile
 V=vial
 S=summa can
 T=tedlar bag
 O=Other

**p preservation
 I = Iced
 H = HCL
 M = Methanol
 N = Nitric Acid
 S = Sulfuric Acid
 B = Sodium bisulfate
 X = Na hydroxide
 T = Na thiosulfate
 O = Other THIMA

Matrix Code:
 GW= groundwater
 WW= wastewater
 DW= drinking water
 A = air
 S = soil/solid
 SL = sludge
 O = other

ANALYSIS REQUESTED

Total As, Fe, Hardness, TOC

EPA Method 537

3 1 2
 0 N H
 P P V

X X X

X X X

X X X

X X X

X X X

X X X

is your project MCP or RCP?
 MCP Form Required
 RCP Form Required
 MA State DW Form Required PWSID # _____

Accredited
 NELAC & AIHA-LAP, LLC

WBE/DBE Certified

MA State DW Form Required PWSID # _____

Accredited
 NELAC & AIHA-LAP, LLC

WBE/DBE Certified

Accredited
 NELAC & AIHA-LAP, LLC

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



Doc# 277 Rev 5 2017

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

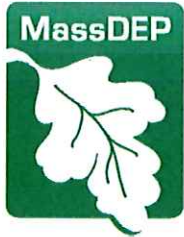
Client ATC
 Received By RLF Date 6/9/17 Time 1813
 How were the samples received? In Cooler T No Cooler On Ice T No Ice
 Direct From Sample sampled same day Ambient Melted Ice
 Were samples within Temperature? 2-6°C F By Gun # 2 Actual Temp 14.1°C
 By Blank # Actual Temp
 Was Custody Seal Intact? NA Were Samples Tampered with? F
 Was COC Relinquished? T Does Chain Agree With Samples? T
 Are there broken/leaking/loose caps on any samples? F
 Is COC in ink/ Legible? T Were samples received within holding time? T
 Did COC include all pertinent Information? Client? T Analysis? T Sampler Name? T
 Project? T ID's? T Collection Dates/Times? T
 Are Sample labels filled out and legible? T
 Are there Lab to Filters? F Who was notified? NA
 Are there Rushes? F Who was notified? NA
 Are there Short Holds? F Who was notified? NA
 Is there enough Volume? T
 Is there Headspace where applicable? T 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

Media	Containers	Media	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

Media	Containers	Media	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

July 5, 2017

Eladio Lopez & Lillian Mojica
281 Lower Sandy Hill Road
P.O. Box 2168
Westfield, MA 01085

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

Dear Mr. Lopez & Ms. Mojica:

The Department of Environmental Protection (DEP) collected a drinking water sample from your private well on June 2, 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 results indicate a combined PFOA and PFOS concentration of 141 ppt in the drinking water sample. A duplicate sample analyzed immediately after the initial sample confirmed these results. Prior to receiving the sampling results, and because significant concentrations above the advisory were detected in a neighboring well, MassDEP provided bottle water to the residence and tenant apartment on June 2, 2017 and advised you and your tenant not to utilize the well water for drinking and cooking. MassDEP further initiated the process of installing a point-of-entry water treatment system at the residence. The system should be installed in approximately four weeks. The Department thanks you for granting access to your property.

Notice of Environmental Sampling
281 Lower Sandy Hill Road
Westfield, RTN 1-20093
July 5, 2017
Page 2 of 2

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

Sincerely,



Eva Tor
Deputy Regional Director
Bureau of Waste Site Cleanup

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

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

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



NOTICE OF ENVIRONMENTAL SAMPLING

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

1 - 20093

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

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

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

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

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

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

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

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

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

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

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

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

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

A drinking water sample was collected from the private well located on the above-referenced property and analysed for PFAS compounds via EPA Method 537.1.

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

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



NOTICE OF ENVIRONMENTAL SAMPLING

1 - 20093

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

MASSACHUSETTS REGULATIONS THAT REQUIRE THIS NOTICE

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

THE PERSON(S) PROVIDING THIS NOTICE

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

PURPOSE OF THIS NOTICE

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

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

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

FOR MORE INFORMATION

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

SGS ACCUTEST IS PART OF SGS, THE WORLD'S LEADING INSPECTION,
VERIFICATION, TESTING AND CERTIFICATION COMPANY.*e-Hardcopy 2.0
Automated Report***Technical Report for****ATC Group Services LLC.**

281 Lower Sandy Hill, Westfield, MA

SGS Accutest Job Number: MC50558

Sampling Date: 06/02/17

Report to:ATC Group Services LLC.
73 Williams Franks Drive
West Springfield, MA 01089
rob.smith@atcassociates.com

ATTN: Rob Smith

Total number of pages in report: 27

Test results contained within this data package meet the requirements
of the National Environmental Laboratory Accreditation Program
and/or state specific certification programs as applicable.
H. (Brad) Madadian
Lab Director

Client Service contact: Marty Vitanza 508-481-6200

Certifications: MA (M-MA136, SW846 NELAC) CT (PH-0109) NH (2502.10) RI (00071) FL (E87579)
NJ (MA926) PA (6801.121) LA (A1171119) ND (R-188) NC (653) IL (002337) WI (399080220)
DoD ELAP (L-A-B L2235)This report shall not be reproduced, except in its entirety, without the written approval of SGS Accutest.
Test results relate only to samples analyzed.

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Sample Summary

ATC Group Services LLC.

Job No: MC50558

281 Lower Sandy Hill, Westfield, MA

Sample Number	Collected Date	Time By	Received	Matrix Code	Type	Client Sample ID
MC50558-1	06/02/17	09:40 JB	06/02/17	DW	Drinking Water TB	TRIP BLANK
MC50558-2	06/02/17	10:25 JB	06/02/17	DW	Drinking Water FB	281 LOWER SANDY HILL - FIELD BLANK
MC50558-3	06/02/17	10:36 JB	06/02/17	DW	Drinking Water	281 LOWER SANDY HILL RD-1
MC50558-4	06/02/17	10:37 JB	06/02/17	DW	Drinking Water	281 LOWER SANDY HILL RD-2

SAMPLE DELIVERY GROUP CASE NARRATIVE

2

Client: ATC Group Services LLC.

Job No: MC50558

Site: 281 Lower Sandy Hill, Westfield, MA

Report Date 6/16/2017 5:31:53 PM

2 Sample(s), 1 Trip Blank(s) and 1 Field Blank(s) were collected on 06/02/2017 and were received at SGS Accutest New England on 06/02/2017 properly preserved, at 2.4 Deg. C and intact. These Samples received a job number of MC50558. A listing of the Laboratory Sample ID, Client Sample ID and dates of collection are presented in the Results Summary Section of this report.

Except as noted below, all method specified calibrations and quality control performance criteria were met for this job. For more information, please refer to QC summary pages.

Extractables by GCMS By Method EPA 537

Matrix: DW

Batch ID: F:OP65453

- Analysis performed at SGS Accutest, Orlando FL.

SGS Accutest New England certifies that all analysis were performed within method specification. It is further recommended that this report to be used in its entirety. The Laboratory Director for SGS Accutest New England or assignee as verified by the signature on the cover page has authorized the release of this report(MC50558).

Friday, June 16, 2017

Page 1 of 1

SGS

4 of 27
ACCUTEST
MC50558

SAMPLE DELIVERY GROUP CASE NARRATIVE

Client: SGS Accutest New England

Job No: MC50558

Site: ATCMAS: 281 Lower Sandy Hill, Westfield, MA

Report Date: 6/16/2017 4:45:40 PM

2 Sample(s), 1 Trip Blank(s) and 1 Field Blank(s) were collected on 06/02/2017 and were received at SGS Accutest Southeast (SASE) on 06/03/2017 properly preserved, at 1.6 Deg. C and intact. These Samples received an SASE job number of MC50558. A listing of the Laboratory Sample ID, Client Sample ID and dates of collection are presented in the Results Summary Section.

Except as noted below, all method specified calibrations and quality control performance criteria were met for this job. For more information, please refer to QC summary pages.

Extractables by GCMS By Method EPA 537

Matrix: DW

Batch ID: OP65453

All samples were extracted within the recommended method holding time.

All samples were analyzed within the recommended method holding time.

All method blanks for this batch meet method specific criteria.

Blank Spike Recovery(s) for Perfluorododecanoic acid, Perfluorotetradecanoic acid, Perfluorotridecanoic acid are outside control limits.

OP65453-BS for Perfluorododecanoic acid: Outside control limits.

OP65453-BS for Perfluorotetradecanoic acid: Outside control limits.

OP65453-BS for Perfluorotridecanoic acid: Outside control limits.

MC50558-1 for Perfluorododecanoic acid: Associated BS recovery outside control limits.

MC50558-1 for Perfluorotridecanoic acid: Associated BS recovery outside control limits.

MC50558-1 for Perfluorotetradecanoic acid: Associated BS recovery outside control limits.

MC50558-2 for Perfluorododecanoic acid: Associated BS recovery outside control limits.

MC50558-2 for Perfluorotetradecanoic acid: Associated BS recovery outside control limits.

MC50558-2 for Perfluorotridecanoic acid: Associated BS recovery outside control limits.

MC50558-3 for Perfluorododecanoic acid: Associated BS recovery outside control limits.

MC50558-3 for Perfluorotetradecanoic acid: Associated BS recovery outside control limits.

MC50558-3 for Perfluorotridecanoic acid: Associated BS recovery outside control limits.

MC50558-4 for Perfluorotridecanoic acid: Associated BS recovery outside control limits.

MC50558-4 for Perfluorododecanoic acid: Associated BS recovery outside control limits.

MC50558-4 for Perfluorotetradecanoic acid: Associated BS recovery outside control limits.

SGS Accutest (SASE) certifies that this report meets the project requirements for analytical data produced for the samples as received at SASE and as stated on the COC. SASE certifies that the data meets the Data Quality Objectives for precision, accuracy and completeness as specified in the SASE Quality Manual except as noted above. This report is to be used in its entirety. SASE is not responsible for any assumptions of data quality if partial data packages are used.

Narrative prepared by:

Date: June 16, 2017

Kim Benham, Client Services (signature on file)

Friday, June 16, 2017

Page 1 of 1

Summary of Hits

Job Number: MC50558
Account: ATC Group Services LLC.
Project: 281 Lower Sandy Hill, Westfield, MA
Collected: 06/02/17



Lab Sample ID	Client Sample ID	Result/ Qual	RL	MDL	Units	Method
---------------	------------------	-----------------	----	-----	-------	--------

MC50558-1 TRIP BLANK

No hits reported in this sample.

MC50558-2 281 LOWER SANDY HILL - FIELD BLANK

No hits reported in this sample.

MC50558-3 281 LOWER SANDY HILL RD-1

Perfluorohexanoic acid ^a	0.0271	0.0080		ug/l	EPA 537
Perfluorooctanoic acid ^a	0.0372	0.0080		ug/l	EPA 537
Perfluorohexanesulfonic acid ^a	0.0864	0.0080		ug/l	EPA 537
Perfluorooctanesulfonic acid ^a	0.104	0.0080		ug/l	EPA 537

MC50558-4 281 LOWER SANDY HILL RD-2

Perfluorohexanoic acid ^a	0.0256	0.0077		ug/l	EPA 537
Perfluorooctanoic acid ^a	0.0372	0.0077		ug/l	EPA 537
Perfluorohexanesulfonic acid ^a	0.0922	0.0077		ug/l	EPA 537
Perfluorooctanesulfonic acid ^a	0.103	0.0077		ug/l	EPA 537

(a) Analysis performed at SGS Accutest, Orlando FL.

Sample Results

Report of Analysis

Report of Analysis

Client Sample ID: TRIP BLANK	Date Sampled: 06/02/17
Lab Sample ID: MC50558-1	Date Received: 06/02/17
Matrix: DW - Drinking Water TB	Percent Solids: n/a
Method: EPA 537 EPA 537	
Project: 281 Lower Sandy Hill, Westfield, MA	

4.1
4

Run #	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 ^a	Q35221.D	1	06/15/17 16:50	AFL	06/14/17 09:30	F:OP65453	F:SQ913
Run #2							

Run #	Initial Volume	Final Volume
Run #1	260 ml	1.0 ml
Run #2		

Perfluorinated Alkyl Acids

CAS No.	Compound	Result	MCL	RL	Units	Q
307-24-4	Perfluorohexanoic acid	ND		0.0077	ug/l	
375-85-9	Perfluoroheptanoic acid	ND		0.0077	ug/l	
335-67-1	Perfluorooctanoic acid	ND		0.0077	ug/l	
375-95-1	Perfluorononanoic acid	ND		0.0077	ug/l	
335-76-2	Perfluorodecanoic acid	ND		0.0077	ug/l	
2058-94-8	Perfluoroundecanoic acid	ND		0.0077	ug/l	
307-55-1	Perfluorododecanoic acid ^b	ND		0.0077	ug/l	
72629-94-8	Perfluorotridecanoic acid ^b	ND		0.0077	ug/l	
376-06-7	Perfluorotetradecanoic acid ^b	ND		0.0077	ug/l	
375-73-5	Perfluorobutanesulfonic acid	ND		0.0077	ug/l	
355-46-4	Perfluorohexanesulfonic acid	ND		0.0077	ug/l	
1763-23-1	Perfluorooctanesulfonic acid	ND		0.0077	ug/l	
2355-31-9	MeFOSAA	ND		0.019	ug/l	
2991-50-6	EtFOSAA	ND		0.019	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
	13C2-PFHxA	97%		70-130%
	13C2-PFDA	96%		70-130%
	d5-EtFOSAA	93%		70-130%

(a) Analysis performed at SGS Accutest, Orlando FL.

(b) Associated BS recovery outside control limits.

ND = Not detected
MCL = Maximum Contamination Level (40 CFR 141)
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound



Report of Analysis

Client Sample ID:	281 LOWER SANDY HILL - FIELD BLANK		Date Sampled:	06/02/17
Lab Sample ID:	MC50558-2		Date Received:	06/02/17
Matrix:	DW - Drinking Water FB		Percent Solids:	n/a
Method:	EPA 537 EPA 537			
Project:	281 Lower Sandy Hill, Westfield, MA			

4.2
4

Run #	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 ^a	Q35222.D	1	06/15/17 17:08	AFL	06/14/17 09:30	F:OP65453	F:SQ913
Run #2							

Run #	Initial Volume	Final Volume
Run #1	250 ml	1.0 ml
Run #2		

Perfluorinated Alkyl Acids

CAS No.	Compound	Result	MCL	RL	Units	Q
307-24-4	Perfluorohexanoic acid	ND		0.0080	ug/l	
375-85-9	Perfluoroheptanoic acid	ND		0.0080	ug/l	
335-67-1	Perfluorooctanoic acid	ND		0.0080	ug/l	
375-95-1	Perfluorononanoic acid	ND		0.0080	ug/l	
335-76-2	Perfluorodecanoic acid	ND		0.0080	ug/l	
2058-94-8	Perfluoroundecanoic acid	ND		0.0080	ug/l	
307-55-1	Perfluorododecanoic acid ^b	ND		0.0080	ug/l	
72629-94-8	Perfluorotridecanoic acid ^b	ND		0.0080	ug/l	
376-06-7	Perfluorotetradecanoic acid ^b	ND		0.0080	ug/l	
375-73-5	Perfluorobutanesulfonic acid	ND		0.0080	ug/l	
355-46-4	Perfluorohexanesulfonic acid	ND		0.0080	ug/l	
1763-23-1	Perfluorooctanesulfonic acid	ND		0.0080	ug/l	
2355-31-9	MeFOSAA	ND		0.020	ug/l	
2991-50-6	EtFOSAA	ND		0.020	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
	13C2-PFHxA	93%		70-130%
	13C2-PFDA	98%		70-130%
	d5-EtFOSAA	84%		70-130%

- (a) Analysis performed at SGS Accutest, Orlando FL.
- (b) Associated BS recovery outside control limits.

ND = Not detected
MCL = Maximum Contamination Level (40 CFR 141)
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	281 LOWER SANDY HILL RD-1	Date Sampled:	06/02/17
Lab Sample ID:	MC50558-3	Date Received:	06/02/17
Matrix:	DW - Drinking Water	Percent Solids:	n/a
Method:	EPA 537 EPA 537		
Project:	281 Lower Sandy Hill, Westfield, MA		

4.3
4

Run #	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 ^a	Q35223.D	1	06/15/17 17:27	AFL	06/14/17 09:30	F:OP65453	F:SQ913
Run #2							

Run #	Initial Volume	Final Volume
Run #1	250 ml	1.0 ml
Run #2		

Perfluorinated Alkyl Acids

CAS No.	Compound	Result	MCL	RL	Units	Q
307-24-4	Perfluorohexanoic acid	0.0271		0.0080	ug/l	
375-85-9	Perfluoroheptanoic acid	ND		0.0080	ug/l	
335-67-1	Perfluorooctanoic acid	0.0372		0.0080	ug/l	
375-95-1	Perfluorononanoic acid	ND		0.0080	ug/l	
335-76-2	Perfluorodecanoic acid	ND		0.0080	ug/l	
2058-94-8	Perfluoroundecanoic acid	ND		0.0080	ug/l	
307-55-1	Perfluorododecanoic acid ^b	ND		0.0080	ug/l	
72629-94-8	Perfluorotridecanoic acid ^b	ND		0.0080	ug/l	
376-06-7	Perfluorotetradecanoic acid ^b	ND		0.0080	ug/l	
375-73-5	Perfluorobutanesulfonic acid	ND		0.0080	ug/l	
355-46-4	Perfluorohexanesulfonic acid	0.0864		0.0080	ug/l	
1763-23-1	Perfluorooctanesulfonic acid	0.104		0.0080	ug/l	
2355-31-9	MeFOSAA	ND		0.020	ug/l	
2991-50-6	EtFOSAA	ND		0.020	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
	13C2-PFHxA	91%		70-130%
	13C2-PFDA	104%		70-130%
	d5-EtFOSAA	93%		70-130%

(a) Analysis performed at SGS Accutest, Orlando FL.

(b) Associated BS recovery outside control limits.

ND = Not detected
MCL = Maximum Contamination Level (40 CFR 141)
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: 281 LOWER SANDY HILL RD-2	Date Sampled: 06/02/17
Lab Sample ID: MC50558-4	Date Received: 06/02/17
Matrix: DW - Drinking Water	Percent Solids: n/a
Method: EPA 537 EPA 537	
Project: 281 Lower Sandy Hill, Westfield, MA	

4.4
4

Run #	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 ^a	Q35224.D	1	06/15/17 17:46	AFL	06/14/17 09:30	F:OP65453	F:SQ913
Run #2							

Run #	Initial Volume	Final Volume
Run #1	260 ml	1.0 ml
Run #2		

Perfluorinated Alkyl Acids

CAS No.	Compound	Result	MCL	RL	Units	Q
307-24-4	Perfluorohexanoic acid	0.0256		0.0077	ug/l	
375-85-9	Perfluoroheptanoic acid	ND		0.0077	ug/l	
335-67-1	Perfluorooctanoic acid	0.0372		0.0077	ug/l	
375-95-1	Perfluorononanoic acid	ND		0.0077	ug/l	
335-76-2	Perfluorodecanoic acid	ND		0.0077	ug/l	
2058-94-8	Perfluoroundecanoic acid	ND		0.0077	ug/l	
307-55-1	Perfluorododecanoic acid ^b	ND		0.0077	ug/l	
72629-94-8	Perfluorotridecanoic acid ^b	ND		0.0077	ug/l	
376-06-7	Perfluorotetradecanoic acid ^b	ND		0.0077	ug/l	
375-73-5	Perfluorobutanesulfonic acid	ND		0.0077	ug/l	
355-46-4	Perfluorohexanesulfonic acid	0.0922		0.0077	ug/l	
1763-23-1	Perfluorooctanesulfonic acid	0.103		0.0077	ug/l	
2355-31-9	MeFOSAA	ND		0.019	ug/l	
2991-50-6	EtFOSAA	ND		0.019	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
	13C2-PFHxA	94%		70-130%
	13C2-PFDA	97%		70-130%
	d5-EtFOSAA	84%		70-130%

- (a) Analysis performed at SGS Accutest, Orlando FL.
- (b) Associated BS recovery outside control limits.

ND = Not detected
MCL = Maximum Contamination Level (40 CFR 141)
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Misc. Forms

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Custody Documents and Other Forms

Includes the following where applicable:

- Chain of Custody
- MCP Form
- Sample Tracking Chronicle
- QC Evaluation: MA MCP Limits



ACCUTEST

CHAIN OF CUSTODY

SGS Accutest of New England
50 D'Angelo Drive, Building One Marlborough, MA 01752
TEL: 508-451-6200 FAX: 508-461-7753
www.accutest.com

PREM

FED-EX Tracking #
Botle Order Control #
SGS Account Order #
SGS Account Job # MC50558

Table with columns: Client/Reporting Information, Project Information, Requested Analysis, Matrix Codes, and a large grid for sample collection details including Field ID, Date, Time, and various chemical analysis results.

Data Deliverable Information section containing checkboxes for Commercial 'A' (Level 1), Commercial 'B' (Level 2), FULLT (Level 3+), CT/RCP, MA MCP, NYASP Category A, NYASP Category B, State Forms, EDD Format, and Other.

Sample Custody tracking table with columns for Requisitioned by, Date/Time, Received By, and Date/Time, showing a sequence of handoffs from 1 to 5.

5.1 5



SGS Accutest Sample Receipt Summary

Job Number: MC50558

Client: ATC

Project: WESTFIELD

Date / Time Received: 6/2/2017 3:35:00 PM

Delivery Method: SGS COURIER

Airbill #'s:

Cooler Temps (Initial/Adjusted): #1: (2.9/2.4);

Cooler Security

	Y or N			Y or N	
1. Custody Seals Present:	<input checked="" type="checkbox"/>	<input type="checkbox"/>	3. COC Present:	<input checked="" type="checkbox"/>	<input type="checkbox"/>
2. Custody Seals Intact:	<input checked="" type="checkbox"/>	<input type="checkbox"/>	4. Smpl Dates/Time OK	<input checked="" type="checkbox"/>	<input type="checkbox"/>

Cooler Temperature

	Y or N	
1. Temp criteria achieved:	<input checked="" type="checkbox"/>	<input type="checkbox"/>
2. Thermometer ID:	IRGUN1;	
3. Cooler media:	Ice (Bag)	
4. No. Coolers:	1	

Quality Control Preservation

	Y	or N	N/A
1. Trip Blank present / cooler:	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
2. Trip Blank listed on COC:	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
3. Samples preserved properly:	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
4. VOCs headspace free:	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Comments

Sample Integrity - Documentation

	Y	or N
1. Sample labels present on bottles:	<input checked="" type="checkbox"/>	<input type="checkbox"/>
2. Container labeling complete:	<input checked="" type="checkbox"/>	<input type="checkbox"/>
3. Sample container label / COC agree:	<input checked="" type="checkbox"/>	<input type="checkbox"/>

Sample Integrity - Condition

	Y	or N
1. Sample recvd within HT:	<input checked="" type="checkbox"/>	<input type="checkbox"/>
2. All containers accounted for:	<input checked="" type="checkbox"/>	<input type="checkbox"/>
3. Condition of sample:	Intact	

Sample Integrity - Instructions

	Y	or N	N/A
1. Analysis requested is clear:	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
2. Bottles received for unspecified tests	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
3. Sufficient volume recvd for analysis:	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
4. Compositing instructions clear:	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
5. Filtering instructions clear:	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>

5.1
5

MC50558: Chain of Custody
Page 2 of 2





Massachusetts Department
of Environmental Protection
Bureau of Waste Site Cleanup

WSC-CAM

Exhibit VII A

July 1, 2010

Revision No. 1

Final

Exhibit VII A-2: MassDEP Analytical Protocol Certification Form

MassDEP Analytical Protocol Certification Form

Laboratory Name: SGS Accutest- Marlborough

Project #: MC50558

Project Location: 281 Lower Sandy Hill, Westfield, MA

MADEP RTN

None

This form provides certifications for the following data set: list Laboratory Sample ID Numbers(s)
MC50558-1,MC50558-2,MC50558-3,MC50558-4

Matrices: Groundwater/Surface Water () Soil/Sediment () Drinking Water (X) Air () Other ()

CAM Protocol (check all that apply below):

8260 VOC () CAM IIA	7470/7471 Hg () CAM III B	MassDEP VPH () CAM IV A	8081 Pesticides () CAM V B	7196 Hex Cr () CAM VI B	Mass DEP APH () CAM IX A
8270 SVOC () CAM II B	7010 Metals () CAM III C	MassDEP EPH () CAM IV B	8151 Herbicides () CAM V C	8330 Explosives () CAM VIII A	TO-15 VOC () CAM IX B
6010 Metals () CAM III A	6020 Metals () CAM III D	8082 PCB () CAM V A	9014 Total () Cyanide/PAC CAM VI A	6860 Perchlorate () CAM VIII B	

Affirmative Responses to Questions A Through F are required for "Presumptive Certainty" status

A	Were all samples received in a condition consistent with those described on the Chain-of Custody, properly preserved (including temperature) in the field or laboratory, and prepared/analyzed within method holding times?	<input checked="" type="checkbox"/>	Yes	<input type="checkbox"/>	No
B	Were the analytical method(s) and all associated QC requirements specified in the selected CAM protocol(s) followed?	<input checked="" type="checkbox"/>	Yes	<input type="checkbox"/>	No
C	Were all required corrective actions and analytical response actions specified in the selected CAM protocol(s) implemented for all identified performance standard non-conformances?	<input checked="" type="checkbox"/>	Yes	<input type="checkbox"/>	No
D	Does the laboratory report comply with all the reporting requirements specified in CAM VII A, "Quality Assurance and Quality Control Guidelines for the Acquisition and Reporting of Analytical Data"?	<input checked="" type="checkbox"/>	Yes	<input type="checkbox"/>	No
E	VPH, EPH, APH, and TO-15 only: a. VPH, EPH, and APH Methods only: Was each method conducted without significant modification(s)? (Refer to the individual method(s) for a list of significant modifications). b. APH and TO-15 Methods only: Was the complete analyte list reported for each method?	<input type="checkbox"/>	Yes	<input type="checkbox"/>	No
F	Were all applicable CAM protocol QC and performance standard non-conformances identified and evaluated in a laboratory narrative (including all "No" responses to Questions A through E)?	<input checked="" type="checkbox"/>	Yes	<input type="checkbox"/>	No

Responses to questions G, H, and I below is required for "Presumptive Certainty" status

G	Were the reporting limits at or below all CAM reporting limits specified in the selected CAM protocols	<input checked="" type="checkbox"/>	Yes	<input type="checkbox"/>	No ¹
Data User Note: Data that achieve "Presumptive Certainty" status may not necessarily meet the data useability and representativeness requirements described in 310 CMR 40.1056(2)(k) and WSC-07-350.					
H	Were all QC performance standards specified in the CAM protocol(s) achieved?	<input type="checkbox"/>	Yes	<input checked="" type="checkbox"/>	No ¹
I	Were results reported for the complete analyte list specified in the selected CAM protocol(s)?	<input checked="" type="checkbox"/>	Yes	<input type="checkbox"/>	No ¹

¹ All Negative responses must be addressed in an attached Environmental Laboratory case narrative.

I the undersigned, attest under the pains and penalties of perjury that, based upon my personal inquiry of those responsible for obtaining the information, the material contained in this analytical report is, to the best of my knowledge and belief, accurate and complete.

Signature:

Position: Laboratory Director

Printed Name: H. (Brad) Madadian

Date: 16-Jun-17

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5

Internal Sample Tracking Chronicle

ATC Group Services LLC.

Job No: MC50558

281 Lower Sandy Hill, Westfield, MA

5.3
5

Sample Number	Method	Analyzed	By	Prepped	By	Test Codes
MC50558-1 Collected: 02-JUN-17 09:40 By: JB Received: 02-JUN-17 By: TF TRIP BLANK						
MC50558-1	EPA 537	15-JUN-17 16:50	AFL	14-JUN-17	AFL	LC537LIST
MC50558-2 Collected: 02-JUN-17 10:25 By: JB Received: 02-JUN-17 By: TF 281 LOWER SANDY HILL - FIELD BLANK						
MC50558-2	EPA 537	15-JUN-17 17:08	AFL	14-JUN-17	AFL	LC537LISTAO
MC50558-3 Collected: 02-JUN-17 10:36 By: JB Received: 02-JUN-17 By: TF 281 LOWER SANDY HILL RD-1						
MC50558-3	EPA 537	15-JUN-17 17:27	AFL	14-JUN-17	AFL	LC537LIST
MC50558-4 Collected: 02-JUN-17 10:37 By: JB Received: 02-JUN-17 By: TF 281 LOWER SANDY HILL RD-2						
MC50558-4	EPA 537	15-JUN-17 17:46	AFL	14-JUN-17	AFL	LC537LISTAO

QC Evaluation: MA MCP Limits

Job Number: MC50558
Account: ATC Group Services LLC.
Project: 281 Lower Sandy Hill, Westfield, MA
Collected: 06/02/17

QC Sample ID	CAS#	Analyte	Sample Result Type	Result Type	Units	Limits
--------------	------	---------	--------------------	-------------	-------	--------

No Exceptions found.

5.4
5

* Sample used for QC is not from job MC50558

Misc. Forms

**Custody Documents and Other Forms**

(SGS Accutest Southeast)

Includes the following where applicable:

- Chain of Custody
- Sample Tracking Chronicle



ACCUTEST

50 D'Angelo Drive, 405 Technology Center West, Bldg One, Marlborough, MA 01752
TEL: 508-481-6200 FAX: 508-481-7753
www.sgs.com

CHAIN OF CUSTODY

FL

Client / Reporting Information		Project Information		Requested Analysis (see TEST CODE sheet)										Matrix Codes
Company Name: SGS Accutest		Project Name: 281 Lower Sandy Hill, Westfield, MA												DW - Drinking Water GW - Ground Water WW - Water SW - Surface Water SO - Soil SL - Sludge SED - Sediment DI - GE LIQ - Other Liquid AIR - Air SOL - Other Solid WP - Waste FB - Field Blank EB - Equipment Blank RB - Rinse Blank TB - Trip Blank
Street Address: 50 D'Angelo Drive, 405 Technology Center West, BLDG One		Street:												
City: Marlborough, MA 01752		Billing Information (If different from Report to)												
Project Contact: Jeremy Wieness@sgs.com		Project #:												
Phone #: 508-481-6200		Client Purchase Order #:												
Sample(s) Name(s): JB		Project Manager:												
Turnaround Time (Business days)		Data Deliverable Information												LAB USE ONLY
<input type="checkbox"/> Std. 10 Business Days <input type="checkbox"/> 5 Day RUSH <input type="checkbox"/> 3 Day EMERGENCY <input type="checkbox"/> 2 Day EMERGENCY <input type="checkbox"/> 1 Day EMERGENCY <input checked="" type="checkbox"/> either Due 6/18/2017 <small>Emergency & Rush T/A data available VIA Lablink</small>		Approved By (SGS Account PM): / Date: _____ _____		<input type="checkbox"/> Commercial "A" (Level 1) <input type="checkbox"/> NYASP Category A <input type="checkbox"/> Commercial "B" (Level 2) <input type="checkbox"/> NYASP Category B <input type="checkbox"/> FULLT (Level 3+) <input type="checkbox"/> State Forms <input type="checkbox"/> NJ Reduced <input type="checkbox"/> EDD Fennel <input type="checkbox"/> Commercial "O" <input checked="" type="checkbox"/> Other: MAMCP										
Sample Custody must be documented below each time samples change possession, including courier delivery.														
Requisitioned by Sampler: 1 <i>BRAM</i>		Date Time: 0.2.17		Received By: 1 <i>FedEx</i>		Date Time: 6-2-17		Received By: 2 <i>FedEx</i>		Date Time: 06/03/17 0915		Received By: 4 <i>MJC</i>		Date Time: 1.0
Requisitioned by Sampler: 3		Date Time: 		Received By: 3		Date Time: 		Received By: 4		Date Time: 		Received By: 		Date Time:
Requisitioned by: 5		Date Time: 		Received By: 5		Date Time: 		Received By: 		Date Time: 		Received By: 		Date Time:

6.1

MC50558: Chain of Custody
Page 1 of 2
SGS Accutest Southeast

SGS Accutest Sample Receipt Summary

Job Number: MC50558

Client: ALNE

Project: 281 LOWER SANDY HILL

Date / Time Received: 6/3/2017 9:15:00 AM

Delivery Method: FEDEX

Airbill #s: 727375163157

Therm ID: IR 1; Therm CF: 0.4; # of Coolers: 1
 Cooler Temps (Raw Measured) °C: Cooler 1: (1.2);
 Cooler Temps (Corrected) °C: Cooler 1: (1.6);

<u>Cooler Information</u>	<u>Y</u>	<u>or</u>	<u>N</u>		<u>Sample Information</u>	<u>Y</u>	<u>or</u>	<u>N</u>	<u>N/A</u>
1. Custody Seals Present	<input checked="" type="checkbox"/>		<input type="checkbox"/>		1. Sample labels present on bottles	<input checked="" type="checkbox"/>		<input type="checkbox"/>	
2. Custody Seals Intact	<input checked="" type="checkbox"/>		<input type="checkbox"/>		2. Samples preserved properly	<input checked="" type="checkbox"/>		<input type="checkbox"/>	
3. Temp criteria achieved	<input checked="" type="checkbox"/>		<input type="checkbox"/>		3. Sufficient volume/containers recvd for analysis:	<input checked="" type="checkbox"/>		<input type="checkbox"/>	
4. Cooler temp verification				<u>IR Gun</u>	4. Condition of sample				<u>Intact</u>
5. Cooler media				<u>Ice (Bag)</u>	5. Sample recvd within HT	<input checked="" type="checkbox"/>		<input type="checkbox"/>	
					6. Dates/Times/IDs on COC match Sample Label	<input checked="" type="checkbox"/>		<input type="checkbox"/>	
					7. VOCs have headspace	<input type="checkbox"/>		<input type="checkbox"/>	<input checked="" type="checkbox"/>
					8. Bottles received for unspecified tests	<input type="checkbox"/>		<input checked="" type="checkbox"/>	
					9. Compositing instructions clear	<input type="checkbox"/>		<input type="checkbox"/>	<input checked="" type="checkbox"/>
					10. Voa Soil Kits/Jars received past 48hrs?	<input type="checkbox"/>		<input type="checkbox"/>	<input checked="" type="checkbox"/>
					11. % Solids Jar received?	<input type="checkbox"/>		<input type="checkbox"/>	<input checked="" type="checkbox"/>
					12. Residual Chlorine Present?	<input type="checkbox"/>		<input type="checkbox"/>	<input checked="" type="checkbox"/>

Misc. Information
 Number of Encores: 25-Gram _____ 5-Gram _____ Number of 5035 Field Kits: _____ Number of Lab Filtered Metals: _____
 Test Strip Lot #s: pH 0-3 230315 pH 10-12 219813A Other: (Specify) _____
 Residual Chlorine Test Strip Lot #: _____

Comments

SM001
Rev. Date 05/24/17

Technician: PHILIPD

Date: 6/3/2017 9:15:00 AM

Reviewer: CAITLINB

Date: 6/4/2017

6.1
6

MC50558: Chain of Custody
Page 2 of 2



Internal Sample Tracking Chronicle

SGS Accutest New England

Job No: MC50558

ATCMAS: 281 Lower Sandy Hill, Westfield, MA
 Project No: ATCMAS27017

Sample Number	Method	Analyzed	By	Prepped	By	Test Codes
MC50558-1 Collected: 02-JUN-17 09:40 By: JB Received: 02-JUN-17 By: PD TRIP BLANK						
MC50558-1	EPA 537	15-JUN-17 16:50	NAF	14-JUN-17	MB	LC537LIST
MC50558-2 Collected: 02-JUN-17 10:25 By: JB Received: 02-JUN-17 By: PD 281 LOWER SANDY HILL - FIELD BLANK						
MC50558-2	EPA 537	15-JUN-17 17:08	NAF	14-JUN-17	MB	LC537LISTAO
MC50558-3 Collected: 02-JUN-17 10:36 By: JB Received: 02-JUN-17 By: PD 281 LOWER SANDY HILL RD-1						
MC50558-3	EPA 537	15-JUN-17 17:27	NAF	14-JUN-17	MB	LC537LIST
MC50558-4 Collected: 02-JUN-17 10:37 By: JB Received: 02-JUN-17 By: PD 281 LOWER SANDY HILL RD-2						
MC50558-4	EPA 537	15-JUN-17 17:46	NAF	14-JUN-17	MB	LC537LISTAO

6.2
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GC/MS Semi-volatiles

QC Data Summaries

(SGS Accutest Southeast)

Includes the following where applicable:

- Method Blank Summaries
- Blank Spike Summaries
- Matrix Spike and Duplicate Summaries
- Internal Standard Area Summaries
- Surrogate Recovery Summaries

Method Blank Summary

Job Number: MC50558
 Account: ALNE SGS Accutest New England
 Project: ATCMAS: 281 Lower Sandy Hill, Westfield, MA

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP65453-MB	Q35220.D	1	06/15/17	NAF	06/14/17	OP65453	SQ913

The QC reported here applies to the following samples:

Method: EPA 537

MC50558-1, MC50558-2, MC50558-3, MC50558-4

7.1.1
7

CAS No.	Compound	Result	RL	Units	Q
307-24-4	Perfluorohexanoic acid	ND	0.0080	ug/l	
375-85-9	Perfluoroheptanoic acid	ND	0.0080	ug/l	
335-67-1	Perfluorooctanoic acid	ND	0.0080	ug/l	
375-95-1	Perfluorononanoic acid	ND	0.0080	ug/l	
335-76-2	Perfluorodecanoic acid	ND	0.0080	ug/l	
2058-94-8	Perfluoroundecanoic acid	ND	0.0080	ug/l	
307-55-1	Perfluorododecanoic acid	ND	0.0080	ug/l	
72629-94-8	Perfluorotridecanoic acid	ND	0.0080	ug/l	
376-06-7	Perfluorotetradecanoic acid	ND	0.0080	ug/l	
375-73-5	Perfluorobutanesulfonic acid	ND	0.0080	ug/l	
355-46-4	Perfluorohexanesulfonic acid	ND	0.0080	ug/l	
1763-23-1	Perfluorooctanesulfonic acid	ND	0.0080	ug/l	
2355-31-9	MeFOSAA	ND	0.020	ug/l	
2991-50-6	EtFOSAA	ND	0.020	ug/l	

CAS No.	Surrogate Recoveries	Limits	
	13C2-PFHxA	96%	70-130%
	13C2-PFDA	107%	70-130%
	d5-EtFOSAA	82%	70-130%

Blank Spike Summary

Job Number: MC50558
 Account: ALNE SGS Accutest New England
 Project: ATCMAS: 281 Lower Sandy Hill, Westfield, MA

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP65453-BS	Q35209.D	1	06/15/17	NAF	06/14/17	OP65453	SQ913

The QC reported here applies to the following samples:

Method: EPA 537

MC50558-1, MC50558-2, MC50558-3, MC50558-4

CAS No.	Compound	Spike ug/l	BSP ug/l	BSP %	Limits
307-24-4	Perfluorohexanoic acid	0.08	0.0805	101	70-130
375-85-9	Perfluoroheptanoic acid	0.08	0.0837	105	70-130
335-67-1	Perfluorooctanoic acid	0.08	0.0848	106	70-130
375-95-1	Perfluorononanoic acid	0.08	0.0846	106	70-130
335-76-2	Perfluorodecanoic acid	0.08	0.0866	108	70-130
2058-94-8	Perfluoroundecanoic acid	0.08	0.0740	93	70-130
307-55-1	Perfluorododecanoic acid	0.08	0.0554	69* a	70-130
72629-94-8	Perfluorotridecanoic acid	0.08	0.0518	65* a	70-130
376-06-7	Perfluorotetradecanoic acid	0.08	0.0530	66* a	70-130
375-73-5	Perfluorobutanesulfonic acid	0.08	0.0866	108	70-130
355-46-4	Perfluorohexanesulfonic acid	0.08	0.0922	115	70-130
1763-23-1	Perfluorooctanesulfonic acid	0.08	0.0820	103	70-130
2355-31-9	MeFOSAA	0.08	0.0886	111	70-130
2991-50-6	EtFOSAA	0.08	0.0815	102	70-130

CAS No.	Surrogate Recoveries	BSP	Limits
	13C2-PFHxA	99%	70-130%
	13C2-PFDA	106%	70-130%
	d5-EtFOSAA	94%	70-130%

(a) Outside control limits.

* = Outside of Control Limits.

7.2.1
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Semivolatile Internal Standard Area Summary

Job Number: MC50558
 Account: ALNE SGS Accutest New England
 Project: ATCMAS: 281 Lower Sandy Hill, Westfield, MA

Check Std:	SQ913-ICC913	Injection Date:	06/15/17
Lab File ID:	Q35203.D	Injection Time:	11:11
Instrument ID:	GCMSQ	Method:	EPA 537

	IS 1		IS 2		IS 3		IS 4		IS 5		IS 6	
	AREA	RT	AREA	RT	AREA	RT	AREA	RT	AREA	RT	AREA	RT
Initial Cal ^a	32709	4.26	36677	6.57	67473	6.58	57532	7.08	11674	7.55	28771	9.83
Check Std ^b	31925	4.26	37778	6.57	68135	6.58	58579	7.08	11987	7.55	29514	9.83
Upper Limit ^c	49064	5.26	55016	7.57	101210	7.58	86298	8.08	17511	8.55	43157	10.83
Lower Limit ^d	16355	3.26	18339	5.57	33737	5.58	28766	6.08	5837	6.55	14386	8.83

Lab Sample ID	IS 1		IS 2		IS 3		IS 4		IS 5		IS 6	
	AREA	RT	AREA	RT	AREA	RT	AREA	RT	AREA	RT	AREA	RT
OP65453-BS	26710	4.25	40080	6.57	66893	6.56	58538	7.07	13377	7.55	30374	9.80
MC50557-1	24496	4.25	34480	6.57	61946	6.56	52844	7.07	11991	7.55	27189	9.81
OP65453-MS	24391	4.24	37072	6.55	61331	6.55	53274	7.06	12603	7.54	28242	9.76
OP65453-MSD	23956	4.20	37694	6.53	61377	6.53	51896	7.05	12193	7.52	27826	9.71
ZZZZZZ	24385	4.18	38544	6.52	63436	6.51	52401	7.02	13208	7.51	29389	9.68
ZZZZZZ	26470	4.17	38597	6.51	65398	6.50	54954	7.02	13168	7.51	29636	9.64
ZZZZZZ	24249	4.17	37314	6.51	62420	6.50	50894	7.02	13091	7.51	28201	9.65
ZZZZZZ	25902	4.17	36601	6.51	63236	6.50	53157	7.02	12676	7.51	28657	9.62

- IS 1 = 13C3-PFPeA
- IS 2 = 13C2-6:2FTS
- IS 3 = 13C2-PFOA
- IS 4 = 13C4-PFOS
- IS 5 = d3-MeFOSAA
- IS 6 = 13C2-PFDoDA

- (a) Initial Cal is: SQ913-ICC913 Q35203.D 06/15/17 11:11. Area is AVERAGE of initial cal points.
- (b) Check Std Limit = -50 to +50% of initial cal area.
- (c) Upper Limit = +50% of initial standard area; Retention time +1 minutes of check standard.
- (d) Lower Limit = -50% of initial standard area; Retention time -1 minutes of check standard.

7.3.1
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Semivolatiles Internal Standard Area Summary

Job Number: MC50558
 Account: ALNE SGS Accutest New England
 Project: ATCMAS: 281 Lower Sandy Hill, Westfield, MA

Check Std:	SQ913-CC913	Injection Date:	06/15/17
Lab File ID:	Q35218.D	Injection Time:	15:53
Instrument ID:	GCMSQ	Method:	EPA 537

	IS 1		IS 2		IS 3		IS 4		IS 5		IS 6	
	AREA	RT	AREA	RT	AREA	RT	AREA	RT	AREA	RT	AREA	RT
Initial Cal ^a	32709	4.26	36677	6.57	67473	6.58	57532	7.08	11674	7.55	28771	9.83
Check Std ^b	26934	4.17	39868	6.51	65960	6.50	54693	7.02	13751	7.51	30331	9.62
Upper Limit ^c	49064	5.17	55016	7.51	101210	7.50	86298	8.02	17511	8.51	43157	10.62
Lower Limit ^d	16355	3.17	18339	5.51	33737	5.50	28766	6.02	5837	6.51	14386	8.62

Lab Sample ID	IS 1		IS 2		IS 3		IS 4		IS 5		IS 6	
	AREA	RT	AREA	RT	AREA	RT	AREA	RT	AREA	RT	AREA	RT
OP65453-MB	23818	4.17	35415	6.51	60846	6.50	50967	7.02	12743	7.51	27740	9.62
MC50558-1	24326	4.17	35571	6.51	62040	6.50	50945	7.02	12525	7.51	28076	9.65
MC50558-2	23569	4.17	35808	6.51	61320	6.50	51007	7.02	12954	7.51	27981	9.65
MC50558-3	22004	4.17	36057	6.51	59988	6.50	50654	7.02	12683	7.51	28081	9.65
MC50558-4	21006	4.17	35785	6.51	59399	6.51	51079	7.02	12659	7.51	27894	9.65

- IS 1 = 13C3-PFPeA
- IS 2 = 13C2-6:2FTS
- IS 3 = 13C2-PFOA
- IS 4 = 13C4-PFOS
- IS 5 = d3-MeFOSAA
- IS 6 = 13C2-PFDODA

- (a) Initial Cal is: SQ913-ICC913 Q35203.D 06/15/17 11:11. Area is AVERAGE of initial cal points.
- (b) Check Std Limit = -50 to +50% of initial cal area.
- (c) Upper Limit = +50% of initial standard area; Retention time +1 minutes of check standard.
- (d) Lower Limit = -50% of initial standard area; Retention time -1 minutes of check standard.

7.3.2
7

Semivolatile Surrogate Recovery Summary

Job Number: MC50558
 Account: ALNE SGS Accutest New England
 Project: ATCMAS: 281 Lower Sandy Hill, Westfield, MA

Method: EPA 537	Matrix: DW
-----------------	------------

Samples and QC shown here apply to the above method

Lab Sample ID	Lab File ID	S1	S2	S3
MC50558-1	Q35221.D	97	96	93
MC50558-2	Q35222.D	93	98	84
MC50558-3	Q35223.D	91	104	93
MC50558-4	Q35224.D	94	97	84
OP65453-BS	Q35209.D	99	106	94
OP65453-MB	Q35220.D	96	107	82

Surrogate Compounds	Recovery Limits
S1 = 13C2-PFHxA	70-130%
S2 = 13C2-PFDA	70-130%
S3 = d5-EtFOSAA	70-130%

7.4.1
7



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

July 5, 2017

Michael Dell' Aquila
1551 East Mountain Road
Westfield, MA 01085

RE: Notice of Environmental Sampling
1551 East Mountain Road
Westfield Private Well Sampling

Dear Mr. Dell' Aquila:

The Department of Environmental Protection (DEP) collected a drinking water sample from your private well on June 14, 2017. The purpose of the sampling was to investigate whether your well has been affected by a release of perfluorinated compounds (PFCs) to local groundwater. The sample was sent to a certified laboratory and analyzed for PFC compounds by modified United States Protection Agency (EPA) Method 317.1. EPA has established a Lifetime Health Advisory level at 70 parts per trillion (ppt), for two specific compounds which have been the most extensively used and studied, PFOA (perfluorooctanoic acid) and PFOS (perfluorooctane sulfonic acid). If both PFOA and PFOS are identified in drinking water the combined concentrations are compared to the 70 ppt health advisory level. The Health Advisory offers a margin of protection from a lifetime of exposure to PFOA and PFOS for all individuals from adverse health effects resulting from exposure from PFOA and PFOS in drinking water.¹

The sampling result indicated a total PFOA and PFOS concentration of 5.9 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. In order to confirm this result, MassDEP will contact you to resample your well. MassDEP will also sample wells in the vicinity of your area in order to gather additional information. 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.

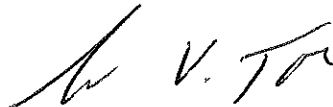
TTY# MassRelay Service 1-800-439-2370

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

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

cc:

Denise Andler, DEP WERO
Data Entry: FOLOFF, FOLFLD



Massachusetts Department of Environmental Protection
Bureau of Waste Site Cleanup

BWSC123

This Notice is Related to:
Release Tracking Number

NOTICE OF ENVIRONMENTAL SAMPLING

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

1 - 20093

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

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

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

1. Name: Michael Dell'Aquila
2. Street Address: 1551 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: 1551 East Mountain Road
City/Town: Westfield Zip Code: 01103

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.

A drinking water sample was collected from the private well located on the above-referenced property and analyzed for PFAS via EPA Method 537.1.

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

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



NOTICE OF ENVIRONMENTAL SAMPLING

1 - 20093

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

MASSACHUSETTS REGULATIONS THAT REQUIRE THIS NOTICE

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

THE PERSON(S) PROVIDING THIS NOTICE

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

PURPOSE OF THIS NOTICE

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

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

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

FOR MORE INFORMATION

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

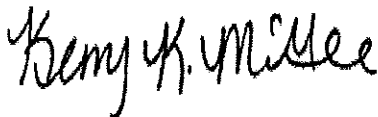
June 20, 2017

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

Project Location: 1551 East Mountain Rd., Westfield
Client Job Number:
Project Number: 183EM00170
Laboratory Work Order Number: 17F0795

Enclosed are results of analyses for samples received by the laboratory on June 14, 2017. If you have any questions concerning this report, please feel free to contact me.

Sincerely,



Kerry K. McGee
Project Manager

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

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

REPORT DATE: 6/20/2017

PURCHASE ORDER NUMBER:

PROJECT NUMBER: 183EM00170

ANALYTICAL SUMMARY

WORK ORDER NUMBER: 17F0795

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

PROJECT LOCATION: 1551 East Mountain Rd., Westfield

FIELD SAMPLE #	LAB ID:	MATRIX	SAMPLE DESCRIPTION	TEST	SUB LAB
1551 East Mountain Rd - 1	17F0795-01	Drinking Water		EPA 537	
Trip Blank	17F0795-02	Trip Blank Water		EPA 537	

CASE NARRATIVE SUMMARY

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

EPA 537

Qualifications:

L-01

Laboratory fortified blank /laboratory control sample recovery outside of control limits. Data validation is not affected since all results are "not detected" for all samples in this batch for this compound and bias is on the high side.

Analyte & Sample(s) Qualified:

Perfluoroundecanoic acid (PFUnA)
B179482-BS1

L-05

Laboratory fortified blank/laboratory control sample recovery is outside of control limits. Reported value for this compound is likely to be biased on the high side.

Analyte & Sample(s) Qualified:

Perfluorohexanoic acid (PFHxA)
B179482-BS1

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.



Tod E. Kopycinski
Laboratory Director

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

Project Location: 1551 East Mountain Rd., Westfie

Sample Description:

Work Order: 17F0795

Date Received: 6/14/2017

Field Sample #: 1551 East Mountain Rd - 1

Sampled: 6/14/2017 08:22

Sample ID: 17F0795-01

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	
Perfluoroundecanoic acid (PFUnA)	ND	2.0		ng/L	1		EPA 537	6/17/17	6/18/17 22:34	BLM
Perfluorotridecanoic acid (PFTTrDA)	ND	2.0		ng/L	1		EPA 537	6/17/17	6/18/17 22:34	BLM
Perfluorotetradecanoic acid (PFTTA)	ND	2.0		ng/L	1		EPA 537	6/17/17	6/18/17 22:34	BLM
Perfluorooctanoic acid (PFOA)	5.9	2.0		ng/L	1		EPA 537	6/17/17	6/18/17 22:34	BLM
Perfluorooctanesulfonic acid (PFOS)	ND	2.0		ng/L	1		EPA 537	6/17/17	6/18/17 22:34	BLM
Perfluorononanoic acid (PFNA)	ND	2.0		ng/L	1		EPA 537	6/17/17	6/18/17 22:34	BLM
Perfluorohexanoic acid (PFHxA)	6.2	2.0		ng/L	1		EPA 537	6/17/17	6/18/17 22:34	BLM
Perfluorohexanesulfonic acid (PFHxS)	ND	2.0		ng/L	1		EPA 537	6/17/17	6/18/17 22:34	BLM
Perfluoroheptanoic acid (PFHpA)	2.1	2.0		ng/L	1		EPA 537	6/17/17	6/18/17 22:34	BLM
Perfluorododecanoic acid (PFDoA)	ND	2.0		ng/L	1		EPA 537	6/17/17	6/18/17 22:34	BLM
Perfluorodecanoic acid (PFDA)	ND	2.0		ng/L	1		EPA 537	6/17/17	6/18/17 22:34	BLM
Perfluorobutanesulfonic acid (PFBS)	3.7	2.0		ng/L	1		EPA 537	6/17/17	6/18/17 22:34	BLM
NEtFOSAA	ND	2.0		ng/L	1		EPA 537	6/17/17	6/18/17 22:34	BLM
NMeFOSAA	ND	2.0		ng/L	1		EPA 537	6/17/17	6/18/17 22:34	BLM
Surrogates		% Recovery	Recovery Limits			Flag/Qual				
13C-PFHxA		125	70-130						6/18/17 22:34	
13C-PFDA		111	70-130						6/18/17 22:34	
d5-NEtFOSAA		125	70-130						6/18/17 22:34	

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

Project Location: 1551 East Mountain Rd., Westfie

Sample Description:

Work Order: 17F0795

Date Received: 6/14/2017

Field Sample #: Trip Blank

Sampled: 6/13/2017 15:40

Sample ID: 17F0795-02

Sample Matrix: Trip Blank Water

Miscellaneous Organic Analyses

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date		Analyst
							Prepared	Analyzed	
Perfluoroundecanoic acid (PFUnA)	ND	2.0	ng/L	1		EPA 537	6/17/17	6/18/17 19:10	BLM
Perfluorotridecanoic acid (PFTrDA)	ND	2.0	ng/L	1		EPA 537	6/17/17	6/18/17 19:10	BLM
Perfluorotetradecanoic acid (PFTA)	ND	2.0	ng/L	1		EPA 537	6/17/17	6/18/17 19:10	BLM
Perfluorooctanoic acid (PFOA)	ND	2.0	ng/L	1		EPA 537	6/17/17	6/18/17 19:10	BLM
Perfluorooctanesulfonic acid (PFOS)	ND	2.0	ng/L	1		EPA 537	6/17/17	6/18/17 19:10	BLM
Perfluorononanoic acid (PFNA)	ND	2.0	ng/L	1		EPA 537	6/17/17	6/18/17 19:10	BLM
Perfluorohexanoic acid (PFHxA)	ND	2.0	ng/L	1		EPA 537	6/17/17	6/18/17 19:10	BLM
Perfluorohexanesulfonic acid (PFHxS)	ND	2.0	ng/L	1		EPA 537	6/17/17	6/18/17 19:10	BLM
Perfluoroheptanoic acid (PFHpA)	ND	2.0	ng/L	1		EPA 537	6/17/17	6/18/17 19:10	BLM
Perfluorododecanoic acid (PFDoA)	ND	2.0	ng/L	1		EPA 537	6/17/17	6/18/17 19:10	BLM
Perfluorodecanoic acid (PFDA)	ND	2.0	ng/L	1		EPA 537	6/17/17	6/18/17 19:10	BLM
Perfluorobutanesulfonic acid (PFBS)	ND	2.0	ng/L	1		EPA 537	6/17/17	6/18/17 19:10	BLM
NEtFOSAA	ND	2.0	ng/L	1		EPA 537	6/17/17	6/18/17 19:10	BLM
NMeFOSAA	ND	2.0	ng/L	1		EPA 537	6/17/17	6/18/17 19:10	BLM
Surrogates	% Recovery		Recovery Limits		Flag/Qual				
13C-PFHxA	113		70-130						6/18/17 19:10
13C-PFDA	109		70-130						6/18/17 19:10
d5-NEtFOSAA	112		70-130						6/18/17 19:10

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

Sample Extraction Data

Prep Method: EPA 537-EPA 537

Lab Number [Field ID]	Batch	Initial [mL]	Final [mL]	Date
17F0795-01 [1551 East Mountain Rd - 1]	B179482	250	1.00	06/17/17
17F0795-02 [Trip Blank]	B179482	250	1.00	06/17/17

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 B179482 - EPA 537										
Blank (B179482-BLK1)										
					Prepared: 06/17/17 Analyzed: 06/18/17					
Perfluoroundecanoic acid (PFUnA)	ND	2.0	ng/L							
Perfluorotridecanoic acid (PFTriDA)	ND	2.0	ng/L							
Perfluorotetradecanoic acid (PFTTA)	ND	2.0	ng/L							
Perfluorooctanoic acid (PFOA)	ND	2.0	ng/L							
Perfluorooctanesulfonic acid (PFOS)	ND	2.0	ng/L							
Perfluorononanoic acid (PFNA)	ND	2.0	ng/L							
Perfluorohexanoic acid (PFHxA)	ND	2.0	ng/L							
Perfluorohexanesulfonic acid (PFHxS)	ND	2.0	ng/L							
Perfluoroheptanoic acid (PFHpA)	ND	2.0	ng/L							
Perfluorododecanoic acid (PFDoA)	ND	2.0	ng/L							
Perfluorodecanoic acid (PFDA)	ND	2.0	ng/L							
Perfluorobutanesulfonic acid (PFBS)	ND	2.0	ng/L							
NEtFOSAA	ND	2.0	ng/L							
NMeFOSAA	ND	2.0	ng/L							
Surrogate: 13C-PFHxA	48.0		ng/L	40.0		120	70-130			
Surrogate: 13C-PFDA	49.3		ng/L	40.0		123	70-130			
Surrogate: d5-NEtFOSAA	197		ng/L	160		123	70-130			
LCS (B179482-BS1)										
					Prepared: 06/17/17 Analyzed: 06/18/17					
Perfluoroundecanoic acid (PFUnA)	3.11	2.0	ng/L	2.00		155 *	50-150			L-01
Perfluorotridecanoic acid (PFTriDA)	2.71	2.0	ng/L	2.00		135	50-150			
Perfluorotetradecanoic acid (PFTTA)	2.67	2.0	ng/L	2.00		134	50-150			
Perfluorooctanoic acid (PFOA)	2.94	2.0	ng/L	2.00		147	50-150			
Perfluorooctanesulfonic acid (PFOS)	2.67	2.0	ng/L	1.85		145	50-150			
Perfluorononanoic acid (PFNA)	2.58	2.0	ng/L	2.00		129	50-150			
Perfluorohexanoic acid (PFHxA)	3.36	2.0	ng/L	2.00		168 *	50-150			L-05
Perfluorohexanesulfonic acid (PFHxS)	2.56	2.0	ng/L	1.82		140	50-150			
Perfluoroheptanoic acid (PFHpA)	2.96	2.0	ng/L	2.00		148	50-150			
Perfluorododecanoic acid (PFDoA)	2.64	2.0	ng/L	2.00		132	50-150			
Perfluorodecanoic acid (PFDA)	2.71	2.0	ng/L	2.00		135	50-150			
Perfluorobutanesulfonic acid (PFBS)	2.38	2.0	ng/L	1.77		135	50-150			
NEtFOSAA	2.95	2.0	ng/L	2.00		147	50-150			
NMeFOSAA	2.56	2.0	ng/L	2.00		128	50-150			
Surrogate: 13C-PFHxA	51.1		ng/L	40.0		128	70-130			
Surrogate: 13C-PFDA	51.8		ng/L	40.0		129	70-130			
Surrogate: d5-NEtFOSAA	205		ng/L	160		128	70-130			

FLAG/QUALIFIER SUMMARY

*	QC result is outside of established limits.
†	Wide recovery limits established for difficult compound.
‡	Wide RPD limits established for difficult compound.
#	Data exceeded client recommended or regulatory level
ND	Not Detected
RL	Reporting Limit
DL	Method Detection Limit
MCL	Maximum Contaminant Level
	Percent recoveries and relative percent differences (RPDs) are determined by the software using values in the calculation which have not been rounded.
	No results have been blank subtracted unless specified in the case narrative section.
L-01	Laboratory fortified blank /laboratory control sample recovery outside of control limits. Data validation is not affected since all results are "not detected" for all samples in this batch for this compound and bias is on the high side.
L-05	Laboratory fortified blank/laboratory control sample recovery is outside of control limits. Reported value for this compound is likely to be biased on the high side.

CERTIFICATIONS

Certified Analyses included in this Report

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

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

Code	Description	Number	Expires
AIHA	AIHA-LAP, LLC - ISO17025:2005	I00033	02/1/2018
MA	Massachusetts DEP	M-MA100	06/30/2018
CT	Connecticut Department of Public Health	PH-0567	09/30/2017
NY	New York State Department of Health	I0899 NELAP	04/1/2018
NH-S	New Hampshire Environmental Lab	2516 NELAP	02/5/2018
RI	Rhode Island Department of Health	LAO00112	12/30/2017
NC	North Carolina Div. of Water Quality	652	12/31/2017
NJ	New Jersey DEP	MA007 NELAP	06/30/2018
FL	Florida Department of Health	E871027 NELAP	06/30/2018
VT	Vermont Department of Health Lead Laboratory	LL015036	07/30/2017
ME	State of Maine	2011028	06/9/2019
VA	Commonwealth of Virginia	460217	12/14/2017
NH-P	New Hampshire Environmental Lab	2557 NELAP	09/6/2017
VT-DW	Vermont Department of Health Drinking Water	VT-255716	06/12/2018

17F0795



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

Company Name: ATC Group Services
Address: 73 William Franks Drive, West Springfield, MA
Phone: (413) 781-0070

Project Name: 1551 East Mountain Rd, Westfield
Project Location: 1551 East Mountain Rd, Westfield
Project Number: 183EM00170
Project Manager: Rob Smith

Con-Test Quote Name/Number:
Invoice Recipient:
Sampled By: Elizabeth O'Connor

Con-Test Work Order #	Client Sample ID / Description	Beginning Date/Time	Ending Date/Time	Composite	Grab	Matrix Code	Conc Code
	1551 East Mountain Rd - field blank	6/14/2017	8:07		X	DW	U
01	1551 East Mountain Rd - 1	6/14/2017	8:22		X	DW	U
	1551 East Mountain Rd - 2	6/14/2017	8:23		X	DW	U
02	Trip blank	6/13/2017	15:40		X	DW	U

Comments:
RUN EPA Method 537: Trip Blank & 1551 East Mountain Rd-1
EXTRACT & HOLD EPA Method 537: 1551 East Mountain Rd-field blank & 1551 East Mountain Rd-2
HOLD As, Fe, Hardness, TOC

Relinquished by: (signature) *Elizabeth H. O'Connor* Date/Time: 6/14/17 1810
 Received by: (signature) *S.S.* Date/Time: 6/14/17 1810
 Relinquished by: (signature) _____ Date/Time: _____

Received by: (signature) _____ Date/Time: _____
 Relinquished by: (signature) _____ Date/Time: _____
 Relinquished by: (signature) _____ Date/Time: _____

http://www.contestlabs.com

CHAIN OF CUSTODY RECORD

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 #: _____

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

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

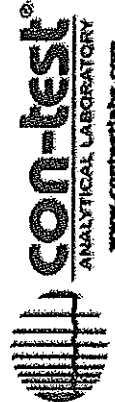
of Containers
 Preservation Code
 Container Code
 Dissolved Lead Samples
 Field Filtered
 Lab to Filter
 Organic Lead Samples
 Field Filtered
 Lab to Filter

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

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

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

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



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

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

PCB ONLY
 Soxhlet
 Non Soxhlet

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



con-test[®]
 ANALYTICAL LABORATORY

Doc# 277 Rev 5 2017

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

Client ATC

Received By PB Date 6-14-17 Time 18:10

How were the samples received? In Cooler T No Cooler _____ On Ice T No Ice _____

Direct From Sample _____ Ambient _____ Melted Ice _____

Were samples within Temperature? 2-6°C T By Gun # 7 Actual Temp - 5.8

By Blank # _____ Actual Temp - _____

Was Custody Seal Intact? NA Were Samples Tampered with? F

Was COC Relinquished? T Does Chain Agree With Samples? T

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

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

Did COC include all pertinent Information? Client? T Analysis? T Sampler Name? T

Project? T ID's? T Collection Dates/Times? T

Are Sample labels filled out and legible? T

Are there Lab to Filters? F Who was notified? _____

Are there Rushes? F Who was notified? _____

Are there Short Holds? F Who was notified? _____

Is there enough Volume? T

Is there Headspace where applicable? NA MS/MSD? NA

Proper Media/Containers Used? T splitting samples require F

Were TB's received? F On COC? NA

Do All Samples Have the proper pH? Acid T Base _____

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

Unused Media

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

Comments:



Commonwealth of Massachusetts
Executive Office of Energy & Environmental Affairs

Department of Environmental Protection

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

Charles D. Baker
Governor

Karyn E. Polito
Lieutenant Governor

Matthew A. Beaton
Secretary

Martin Suuberg
Commissioner

July 5, 2017

Michael & Lisa Feyre
39 Indian Ridge Road
Westfield, MA 01085

Re: Notice of Environmental Sampling
39 Indian Ridge Road
Westfield Private Well Sampling
RTN 1-20093

Dear Mr. & Mrs. Feyre:

The Department of Environmental Protection (DEP) collected a drinking water sample from your private well on June 9, 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 water¹

The sampling result indicates PFOA and PFOS compounds were not detected above the laboratory reporting limit of 2 ppt. Based on the absence of detectable PFC compounds in the sample collected from your well, no further action, including additional sampling and/or mitigation measures (i.e. bottled water) are required at this time. The Department thanks you for granting access to your property.

Notice of Environmental Sampling
39 Indian Ridge Road
Westfield, RTN 1-20093
July 5, 2017
Page 2 of 2

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

Sincerely,



Eva Tor
Deputy Regional Director
Bureau of Waste Site Cleanup

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

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

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



Massachusetts Department of Environmental Protection
Bureau of Waste Site Cleanup

BWSC123

This Notice is Related to:
Release Tracking Number

NOTICE OF ENVIRONMENTAL SAMPLING

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

1 - 20093

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

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

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

1. Name: Peter & Darlene Demers
2. Street Address: 39 Indian Ridge Road
City/Town: Westfield Zip Code: 01085

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

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

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

1. Street Address: 39 Indian Ridge Road
City/Town: Westfield Zip Code: 01103
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.

A drinking water sample was collected from the private well located on the above-referenced property and analyzed for PFAS via EPA Method 537.1.

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

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



Massachusetts Department of Environmental Protection
Bureau of Waste Site Cleanup

BWSC123

This Notice is Related to:
Release Tracking Number

NOTICE OF ENVIRONMENTAL SAMPLING

1 - 20093

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

MASSACHUSETTS REGULATIONS THAT REQUIRE THIS NOTICE

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

THE PERSON(S) PROVIDING THIS NOTICE

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

PURPOSE OF THIS NOTICE

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

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

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

FOR MORE INFORMATION

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

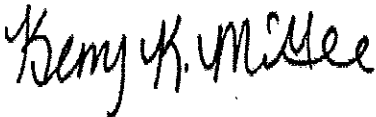
June 21, 2017

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

Project Location: 39 Indian Ridge Rd., Westfield, MA
Client Job Number:
Project Number: 183EM00170
Laboratory Work Order Number: 17F0524

Enclosed are results of analyses for samples received by the laboratory on June 9, 2017. If you have any questions concerning this report, please feel free to contact me.

Sincerely,



Kerry K. McGee
Project Manager

Table of Contents

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B179101	8
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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: 6/21/2017

PURCHASE ORDER NUMBER:

PROJECT NUMBER: 183EM00170

ANALYTICAL SUMMARY

WORK ORDER NUMBER: 17F0524

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

PROJECT LOCATION: 39 Indian Ridge Rd., Westfield, MA

FIELD SAMPLE #	LAB ID:	MATRIX	SAMPLE DESCRIPTION	TEST	SUB LAB
Trip Blank	17F0524-01	Trip Blank Water		EPA 537	
39 Indian Ridge Rd.- I	17F0524-02	Drinking Water		EPA 537	

CASE NARRATIVE SUMMARY

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

EPA 537

Qualifications:

L-01

Laboratory fortified blank /laboratory control sample recovery outside of control limits. Data validation is not affected since all results are "not detected" for all samples in this batch for this compound and bias is on the high side.

Analyte & Samples(s) Qualified:

Perfluoroundecanoic acid (PFUnA)
B179101-BS1

S-18

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

Analyte & Samples(s) Qualified:

d5-NEtFOSAA
17F0524-02[39 Indian Ridge Rd.- 1]

S-23

Surrogate recovery outside of control limits in BS/MS spiked sample, all reported analytes are within control criteria, data not significantly affected.

Analyte & Samples(s) Qualified:

13C-PFDA
B179101-BS1
13C-PFHxA
B179101-BS1
d5-NEtFOSAA
B179101-BS1

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

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



Lisa A. Worthington
Project Manager

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

Project Location: 39 Indian Ridge Rd., Westfield, M Sample Description:

Work Order: 17F0524

Date Received: 6/9/2017

Field Sample #: Trip Blank

Sampled: 6/7/2017 10:22

Sample ID: 17F0524-01

Sample Matrix: Trip Blank Water

Miscellaneous Organic Analyses

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Perfluoroundecanoic acid (PFUnA)	ND	2.0	ng/L	1		EPA 537	6/13/17	6/19/17 15:38	BLM
Perfluorotridecanoic acid (PFTrDA)	ND	2.0	ng/L	1		EPA 537	6/13/17	6/19/17 15:38	BLM
Perfluorotetradecanoic acid (PFTA)	ND	2.0	ng/L	1		EPA 537	6/13/17	6/19/17 15:38	BLM
Perfluorooctanoic acid (PFOA)	ND	2.0	ng/L	1		EPA 537	6/13/17	6/19/17 15:38	BLM
Perfluorooctanesulfonic acid (PFOS)	ND	2.0	ng/L	1		EPA 537	6/13/17	6/19/17 15:38	BLM
Perfluorononanoic acid (PFNA)	ND	2.0	ng/L	1		EPA 537	6/13/17	6/19/17 15:38	BLM
Perfluorohexanoic acid (PFHxA)	ND	2.0	ng/L	1		EPA 537	6/13/17	6/19/17 15:38	BLM
Perfluorohexanesulfonic acid (PFHxS)	ND	2.0	ng/L	1		EPA 537	6/13/17	6/19/17 15:38	BLM
Perfluoroheptanoic acid (PFHpA)	ND	2.0	ng/L	1		EPA 537	6/13/17	6/19/17 15:38	BLM
Perfluorododecanoic acid (PFDoA)	ND	2.0	ng/L	1		EPA 537	6/13/17	6/19/17 15:38	BLM
Perfluorodecanoic acid (PFDA)	ND	2.0	ng/L	1		EPA 537	6/13/17	6/19/17 15:38	BLM
Perfluorobutanesulfonic acid (PFBS)	ND	2.0	ng/L	1		EPA 537	6/13/17	6/19/17 15:38	BLM
NEtFOSAA	ND	2.0	ng/L	1		EPA 537	6/13/17	6/19/17 15:38	BLM
NMeFOSAA	ND	2.0	ng/L	1		EPA 537	6/13/17	6/19/17 15:38	BLM
Surrogates	% Recovery		Recovery Limits		Flag/Qual				
13C-PFHxA	91.7		70-130				6/19/17 15:38		
13C-PFDA	94.7		70-130				6/19/17 15:38		
d5-NEtFOSAA	97.2		70-130				6/19/17 15:38		

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

Project Location: 39 Indian Ridge Rd., Westfield, M Sample Description:

Work Order: 17F0524

Date Received: 6/9/2017

Field Sample #: 39 Indian Ridge Rd.- 1

Sampled: 6/9/2017 08:25

Sample ID: 17F0524-02

Sample Matrix: Drinking Water

Miscellaneous Organic Analyses

Analyte	Results	MCL/SMCL		Units	Dilution	Flag/Qual	Method	Date	Date/Time	Analyst
		RL	MA ORSG					Prepared	Analyzed	
Perfluoroundecanoic acid (PFUnA)	ND	2.0		ng/L	1		EPA 537	6/13/17	6/18/17 22:08	BLM
Perfluorotridecanoic acid (PFTriDA)	ND	2.0		ng/L	1		EPA 537	6/13/17	6/18/17 22:08	BLM
Perfluorotetradecanoic acid (PFTA)	ND	2.0		ng/L	1		EPA 537	6/13/17	6/18/17 22:08	BLM
Perfluorooctanoic acid (PFOA)	4.7	2.0		ng/L	1		EPA 537	6/13/17	6/18/17 22:08	BLM
Perfluorooctanesulfonic acid (PFOS)	2.9	2.0		ng/L	1		EPA 537	6/13/17	6/18/17 22:08	BLM
Perfluorononanoic acid (PFNA)	ND	2.0		ng/L	1		EPA 537	6/13/17	6/18/17 22:08	BLM
Perfluorohexanoic acid (PFHxA)	5.1	2.0		ng/L	1		EPA 537	6/13/17	6/18/17 22:08	BLM
Perfluorohexanesulfonic acid (PFHxS)	2.9	2.0		ng/L	1		EPA 537	6/13/17	6/18/17 22:08	BLM
Perfluoroheptanoic acid (PFHpA)	ND	2.0		ng/L	1		EPA 537	6/13/17	6/18/17 22:08	BLM
Perfluorododecanoic acid (PFDoA)	ND	2.0		ng/L	1		EPA 537	6/13/17	6/18/17 22:08	BLM
Perfluorodecanoic acid (PFDA)	ND	2.0		ng/L	1		EPA 537	6/13/17	6/18/17 22:08	BLM
Perfluorobutanesulfonic acid (PFBS)	4.7	2.0		ng/L	1		EPA 537	6/13/17	6/18/17 22:08	BLM
NEtFOSAA	ND	2.0		ng/L	1		EPA 537	6/13/17	6/18/17 22:08	BLM
NMeFOSAA	ND	2.0		ng/L	1		EPA 537	6/13/17	6/18/17 22:08	BLM
Perfluoropentanoic acid (PFPeA)	3.2	2.0		ng/L	1		EPA 537	6/13/17	6/18/17 22:08	BLM

Surrogates	% Recovery	Recovery Limits	Flag/Qual
13C-PFHxA	126	70-130	
13C-PFDA	108	70-130	
d5-NEtFOSAA	144 *	70-130	S-18

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

Sample Extraction Data

Prep Method: EPA 537-EPA 537

Lab Number [Field ID]	Batch	Initial [mL]	Final [mL]	Date
17F0524-01 [Trip Blank]	B179101	250	1.00	06/13/17
17F0524-02 [39 Indian Ridge Rd.- 1]	B179101	250	1.00	06/13/17

QUALITY CONTROL

Miscellaneous Organic Analyses - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B179101 - EPA 537										
Blank (B179101-BLK1)										
Prepared: 06/13/17 Analyzed: 06/19/17										
Perfluoroundecanoic acid (PFUnA)	ND	2.0	ng/L							
Perfluorotridecanoic acid (PFTrDA)	ND	2.0	ng/L							
Perfluorotetradecanoic acid (PFTA)	ND	2.0	ng/L							
Perfluorooctanoic acid (PFOA)	ND	2.0	ng/L							
Perfluorooctanesulfonic acid (PFOS)	ND	2.0	ng/L							
Perfluorononanoic acid (PFNA)	ND	2.0	ng/L							
Perfluorohexanoic acid (PFHxA)	ND	2.0	ng/L							
Perfluorohexanesulfonic acid (PFHxS)	ND	2.0	ng/L							
Perfluoroheptanoic acid (PFHpA)	ND	2.0	ng/L							
Perfluorododecanoic acid (PFDoA)	ND	2.0	ng/L							
Perfluorodecanoic acid (PFDA)	ND	2.0	ng/L							
Perfluorobutanesulfonic acid (PFBS)	ND	2.0	ng/L							
NEtFOSAA	ND	2.0	ng/L							
NMeFOSAA	ND	2.0	ng/L							
Surrogate: 13C-PFHxA	37.0		ng/L	40.0		92.4	70-130			
Surrogate: 13C-PFDA	37.2		ng/L	40.0		93.0	70-130			
Surrogate: d5-NEtFOSAA	156		ng/L	160		97.4	70-130			
LCS (B179101-BS1)										
Prepared: 06/13/17 Analyzed: 06/18/17										
Perfluoroundecanoic acid (PFUnA)	26.2	2.0	ng/L	20.0		131 *	70-130			L-01
Perfluorotridecanoic acid (PFTrDA)	25.4	2.0	ng/L	20.0		127	70-130			
Perfluorotetradecanoic acid (PFTA)	25.1	2.0	ng/L	20.0		125	70-130			
Perfluorooctanoic acid (PFOA)	25.6	2.0	ng/L	20.0		128	70-130			
Perfluorooctanesulfonic acid (PFOS)	21.9	2.0	ng/L	18.5		118	70-130			
Perfluorononanoic acid (PFNA)	25.0	2.0	ng/L	20.0		125	70-130			
Perfluorohexanoic acid (PFHxA)	25.6	2.0	ng/L	20.0		128	70-130			
Perfluorohexanesulfonic acid (PFHxS)	23.5	2.0	ng/L	18.2		129	70-130			
Perfluoroheptanoic acid (PFHpA)	25.6	2.0	ng/L	20.0		128	70-130			
Perfluorododecanoic acid (PFDoA)	24.8	2.0	ng/L	20.0		124	70-130			
Perfluorodecanoic acid (PFDA)	25.6	2.0	ng/L	20.0		128	70-130			
Perfluorobutanesulfonic acid (PFBS)	22.6	2.0	ng/L	17.7		128	70-130			
NEtFOSAA	25.9	2.0	ng/L	20.0		130	70-130			
NMeFOSAA	25.8	2.0	ng/L	20.0		129	70-130			
Perfluoropentanoic acid (PFPeA)	24.1	2.0	ng/L	20.0		120	70-130			
Surrogate: 13C-PFHxA	62.4		ng/L	40.0		156 *	70-130			S-23
Surrogate: 13C-PFDA	63.1		ng/L	40.0		158 *	70-130			S-23
Surrogate: d5-NEtFOSAA	265		ng/L	160		166 *	70-130			S-23

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.
L-01	Laboratory fortified blank /laboratory control sample recovery outside of control limits. Data validation is not affected since all results are "not detected" for all samples in this batch for this compound and bias is on the high side.
S-18	Surrogate recovery is outside of control limits, matrix interference suspected. Insufficient sample available for reanalysis.
S-23	Surrogate recovery outside of control limits in BS/MS spiked sample, all reported analytes are within control criteria, data not significantly affected.

CERTIFICATIONS

Certified Analyses included in this Report

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

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

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



1770524
 Phone: 413-525-2332
 Fax: 413-525-6405
 Email: info@contestlabs.com

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

Page 1 of 1

Client Name: AVC Group Services
 Address: 73 William Franks Dr, WSPfld MA
 Phone: (413) 781-0070
 Project Location: 39 Indian Ridge Rd, Westfield MA
 Project Number: 183EM00170
 Project Manager: Rob Smith
 Con-Test Quote Name/Number:
 Invoice Recipient:

Sampled By: Elizabeth O'Connor

Con-Test Work Order #	Client Sample ID / Description	Sample Date/Time	Composite	Grab	Matrix Code	Matrix Code
01	Trip Blank	6/17/17 10:22				
	39 Indian Ridge Rd - field blank	6/19/17 8:24	X		DW	U
	39 Indian Ridge Rd - 1	6/19/17 8:25	X		DW	U
	39 Indian Ridge Rd - 2	6/19/17 8:26	X		DW	U

Comments:
 Run: 39 Indian Ridge Rd - 1 (EPA 537) Hold: As, Fe, Hardness, TOC
 Extract + hold: Indian Ridge Rd - field sample + 39 Indian Ridge Rd - 2
 Run trip blank

Relinquished by: (signature)
Elizabeth O'Connor
 Date/Time: 6/19/17 18:13
 Received by: (signature)
DES-1410
 Date/Time: 18:13
 Relinquished by: (signature)
DES-1410
 Date/Time: 6/19/17

Received by: (signature)
 Relinquished by: (signature)
 Received by: (signature)

Retention Period: 7-Day 10-Day

Due Date: 1-Day 3-Day 4-Day

Analysis Requested: 2-Day 4-Day

Format: PDF EXCEL

Other:

CLP Like Data Pkg Required:

Email To: _____

Fax To #: _____

3	1	2	4	5	6	7	8	9	10	11	12
0	N	H									
P	P	V									
ANALYSIS REQUESTED											
TOTAL AS, Fe, Hardness, TOC											
EPA Method 537											
X											
X											
X											
X											

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

con-test
 ANALYTICAL LABORATORY
 www.contestlabs.com

MA MCP Required

MCP Certification Form Required

CT RCP Required

RCP Certification Form Required

MA State DW Required

PWSID # _____

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

of Containers _____

Preservation Code _____

Container Code _____

Disposited Metals Samples:
 Field Filtered
 Lab to Filter

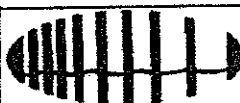
Microbiological Samples:
 Field Filtered
 Lab to Filter

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

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

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

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 RLF Date 6/9/17 Time 1813
 How were the samples received? In Cooler T No Cooler On Ice T No Ice
 Direct From Sample sampled same day Ambient Melted Ice
 Were samples within Temperature? 2-6°C F By Gun # 2 Actual Temp - 14.1°C
 By Blank # Actual Temp -
 Was Custody Seal Intact? NA Were Samples Tampered with? F
 Was COC Relinquished? T Does Chain Agree With Samples? T
 Are there broken/leaking/loose caps on any samples? F
 Is COC in ink/ Legible? T Were samples received within holding time? T
 Did COC include all pertinent Information? Client? T Analysis? T Sampler Name? T
 Project? T ID's? T Collection Dates/Times? T
 Are Sample labels filled out and legible? T
 Are there Lab to Filters? F Who was notified? NA
 Are there Rushes? F Who was notified? NA
 Are there Short Holds? F Who was notified? NA
 Is there enough Volume? T
 Is there Headspace where applicable? T 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	Media	Other
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	Media	Other
Unp-	1 Liter Amb.	1 Liter Plastic	16 oz Amb.
HCL-	500 mL Amb.	500 mL Plastic	8oz Amb/Clear
Meoh-	250 mL Amb.	250 mL Plastic	4oz Amb/Clear
Bisulfate-	Col./Bacteria	Flashpoint	2oz Amb/Clear
DI-	Other Plastic	Other Glass	Encore
Thiosulfate-	SOC Kit	Plastic Bag	Frozen:
Sulfuric-	Perchlorate	Ziplock	

Comments:



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

July 5, 2017

Patricia Kellogg
289 Lower Sandy Hill Road
Westfield, MA 01085

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

Dear Ms. Kellogg:

The Department of Environmental Protection (DEP) collected a drinking water sample from your private well on June 2, 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 results indicate a combined PFOA and PFOS concentration of 787 ppt in the drinking water sample. A duplicate sample analyzed immediately after the initial sample confirmed these results. Prior to receiving the sampling results, and because significant concentrations above the advisory were detected in a neighboring well, MassDEP provided bottle water to the residence on June 2, 2017 and advised you not to utilize the well water for drinking and cooking. MassDEP further initiated the process of installing a point-of-entry water treatment system at the residence. The system should be installed in approximately four weeks. The Department thanks you for granting access to your property.

Notice of Environmental Sampling
289 Lower Sandy Hill Road
Westfield, RTN 1-20093
July 5, 2017
Page 2 of 2

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

Sincerely,



Eva Tor
Deputy Regional Director
Bureau of Waste Site Cleanup

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

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

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

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



NOTICE OF ENVIRONMENTAL SAMPLING

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

1 - 20093

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

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

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

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

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

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

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

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

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

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

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

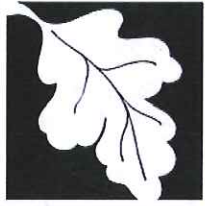
- residential commercial industrial school/playground Other _____
- (specify)

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

A drinking water sample was collected from the private well located on the above-referenced property and analysed for PFAS compounds via EPA Method 537.1.

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

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



Massachusetts Department of Environmental Protection
Bureau of Waste Site Cleanup

BWSC123

This Notice is Related to:
Release Tracking Number

NOTICE OF ENVIRONMENTAL SAMPLING

1 - 20093

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

MASSACHUSETTS REGULATIONS THAT REQUIRE THIS NOTICE

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

THE PERSON(S) PROVIDING THIS NOTICE

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

PURPOSE OF THIS NOTICE

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

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

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

FOR MORE INFORMATION

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

SGS ACCUTEST IS PART OF SGS, THE WORLD'S LEADING INSPECTION,
VERIFICATION, TESTING AND CERTIFICATION COMPANY.



e-Hardcopy 2.0
Automated Report

Technical Report for

ATC Group Services LLC.

289 Lower Sandy Hill, Westfield, MA

SGS Accutest Job Number: MC50557

Sampling Date: 06/02/17

Report to:

ATC Group Services LLC.
73 Williams Franks Drive
West Springfield, MA 01089
rob.smith@atcassociates.com

ATTN: Rob Smith

Total number of pages in report: 26



Test results contained within this data package meet the requirements of the National Environmental Laboratory Accreditation Program and/or state specific certification programs as applicable.

H. (Brad) Madadian
Lab Director

Client Service contact: Marty Vitanza 508-481-6200

Certifications: MA (M-MA136, SW846 NELAC) CT (PH-0109) NH (250210) RI (00071) FL (E87579)
NJ (MA926) PA (6801121) LA (AH71119) ND (R-188) NC (653) IL (002337) WI (399080220)
DoD ELAP (L-A-B L2235)

This report shall not be reproduced, except in its entirety, without the written approval of SGS Accutest.
Test results relate only to samples analyzed.

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Sample Summary

ATC Group Services LLC.

Job No: MC50557

289 Lower Sandy Hill, Westfield, MA

Sample Number	Collected Date	Time By	Received	Matrix Code	Type	Client Sample ID
MC50557-1	06/02/17	11:00	JB	06/02/17	DW Drinking Water FB	289 LOWER SANDY HILL RD - FIELD BLANK
MC50557-2	06/02/17	11:05	JB	06/02/17	DW Drinking Water	289 LOWER SANDY HILL RD-1
MC50557-3	06/02/17	11:06	JB	06/02/17	DW Drinking Water	289 LOWER SANDY HILL RD-2

SAMPLE DELIVERY GROUP CASE NARRATIVE

2

Client: ATC Group Services LLC.

Job No: MC50557

Site: 289 Lower Sandy Hill, Westfield, MA

Report Date 6/16/2017 5:12:19 PM

2 Sample(s), 0 Trip Blank(s) and 1 Field Blank(s) were collected on 06/02/2017 and were received at SGS Accutest New England on 06/02/2017 properly preserved, at 2.4 Deg. C and intact. These Samples received a job number of MC50557. A listing of the Laboratory Sample ID, Client Sample ID and dates of collection are presented in the Results Summary Section of this report.

Except as noted below, all method specified calibrations and quality control performance criteria were met for this job. For more information, please refer to QC summary pages.

Extractables by GCMS By Method EPA 537

Matrix: DW

Batch ID: F:OP65453

- Analysis performed at SGS Accutest, Orlando FL.

SGS Accutest New England certifies that all analysis were performed within method specification. It is further recommended that this report to be used in its entirety. The Laboratory Director for SGS Accutest New England or assignee as verified by the signature on the cover page has authorized the release of this report(MC50557).

Friday, June 16, 2017

Page 1 of 1

SGS

4 of 26
ACCUTEST
MC50557

SAMPLE DELIVERY GROUP CASE NARRATIVE

Client: SGS Accutest New England

Job No: MC50557

Site: ATCMAS: 289 Lower Sandy Hill, Westfield, MA

Report Date: 6/16/2017 4:44:50 PM

2 Sample(s) and 1 Field Blank(s) were collected on 06/02/2017 and were received at SGS Accutest Southeast (SASE) on 06/03/2017 properly preserved, at 1.6 Deg. C and intact. These Samples received an SASE job number of MC50557. A listing of the Laboratory Sample ID, Client Sample ID and dates of collection are presented in the Results Summary Section.

Except as noted below, all method specified calibrations and quality control performance criteria were met for this job. For more information, please refer to QC summary pages.

Extractables by GCMS By Method EPA 537

Matrix: DW

Batch ID: OP65453

All samples were extracted within the recommended method holding time.

All samples were analyzed within the recommended method holding time.

All method blanks for this batch meet method specific criteria.

Blank Spike Recovery(s) for Perfluorododecanoic acid, Perfluorotetradecanoic acid, Perfluorotridecanoic acid are outside control limits.

OP65453-BS for Perfluorododecanoic acid: Outside control limits.

OP65453-BS for Perfluorotetradecanoic acid: Outside control limits.

OP65453-BS for Perfluorotridecanoic acid: Outside control limits.

MC50557-1 for Perfluorotetradecanoic acid: Associated BS and MS/MSD recovery outside control limits.

MC50557-1 for Perfluorododecanoic acid: Associated BS and MS/MSD recovery outside control limits.

MC50557-1 for Perfluorotridecanoic acid: Associated BS and MS/MSD recovery outside control limits.

MC50557-1 for Perfluoroundecanoic acid: Associated MS/MSD recovery outside control limits.

MC50557-2 for Perfluorododecanoic acid: Associated BS recovery outside control limits.

MC50557-2 for Perfluorotetradecanoic acid: Associated BS recovery outside control limits.

MC50557-2 for Perfluorotridecanoic acid: Associated BS recovery outside control limits.

MC50557-3 for Perfluorotridecanoic acid: Associated BS recovery outside control limits.

MC50557-3 for Perfluorododecanoic acid: Associated BS recovery outside control limits.

MC50557-3 for Perfluorotetradecanoic acid: Associated BS recovery outside control limits.

SGS Accutest (SASE) certifies that this report meets the project requirements for analytical data produced for the samples as received at SASE and as stated on the COC. SASE certifies that the data meets the Data Quality Objectives for precision, accuracy and completeness as specified in the SASE Quality Manual except as noted above. This report is to be used in its entirety. SASE is not responsible for any assumptions of data quality if partial data packages are used.

Narrative prepared by:

Date: June 16, 2017

Kim Benham, Client Services (signature on file)

Friday, June 16, 2017

Page 1 of 1

Summary of Hits

Job Number: MC50557
Account: ATC Group Services LLC.
Project: 289 Lower Sandy Hill, Westfield, MA
Collected: 06/02/17



Lab Sample ID	Client Sample ID	Result/ Analyte	Qual	RL	MDL	Units	Method
---------------	------------------	--------------------	------	----	-----	-------	--------

MC50557-1 289 LOWER SANDY HILL RD - FIELD BLANK

No hits reported in this sample.

MC50557-2 289 LOWER SANDY HILL RD-1

Perfluorohexanoic acid ^a	0.0770	0.0077		ug/l	EPA 537
Perfluoroheptanoic acid ^a	0.0249	0.0077		ug/l	EPA 537
Perfluorooctanoic acid ^a	0.152	0.0077		ug/l	EPA 537
Perfluorobutanesulfonic acid ^a	0.0203	0.0077		ug/l	EPA 537
Perfluorohexanesulfonic acid ^a	0.334	0.0077		ug/l	EPA 537
Perfluorooctanesulfonic acid ^a	0.635	0.038		ug/l	EPA 537

MC50557-3 289 LOWER SANDY HILL RD-2

Perfluorohexanoic acid ^a	0.0790	0.0080		ug/l	EPA 537
Perfluoroheptanoic acid ^a	0.0251	0.0080		ug/l	EPA 537
Perfluorooctanoic acid ^a	0.157	0.0080		ug/l	EPA 537
Perfluorobutanesulfonic acid ^a	0.0212	0.0080		ug/l	EPA 537
Perfluorohexanesulfonic acid ^a	0.315	0.0080		ug/l	EPA 537
Perfluorooctanesulfonic acid ^a	0.612	0.040		ug/l	EPA 537

(a) Analysis performed at SGS Accutest, Orlando FL.

Sample Results

Report of Analysis

Report of Analysis

4.1
4

Client Sample ID:	289 LOWER SANDY HILL RD - FIELD BLANK	
Lab Sample ID:	MC50557-1	Date Sampled: 06/02/17
Matrix:	DW - Drinking Water FB	Date Received: 06/02/17
Method:	EPA 537 EPA 537	Percent Solids: n/a
Project:	289 Lower Sandy Hill, Westfield, MA	

Run #	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 ^a	Q35211.D	1	06/15/17 13:46	AFL	06/14/17 09:30	F:OP65453	F:SQ913
Run #2							

Run #	Initial Volume	Final Volume
Run #1	260 ml	1.0 ml
Run #2		

Perfluorinated Alkyl Acids

CAS No.	Compound	Result	MCL	RL	Units	Q
307-24-4	Perfluorohexanoic acid	ND		0.0077	ug/l	
375-85-9	Perfluoroheptanoic acid	ND		0.0077	ug/l	
335-67-1	Perfluorooctanoic acid	ND		0.0077	ug/l	
375-95-1	Perfluorononanoic acid	ND		0.0077	ug/l	
335-76-2	Perfluorodecanoic acid	ND		0.0077	ug/l	
2058-94-8	Perfluoroundecanoic acid ^b	ND		0.0077	ug/l	
307-55-1	Perfluorododecanoic acid ^c	ND		0.0077	ug/l	
72629-94-8	Perfluorotridecanoic acid ^c	ND		0.0077	ug/l	
376-06-7	Perfluorotetradecanoic acid ^c	ND		0.0077	ug/l	
375-73-5	Perfluorobutanesulfonic acid	ND		0.0077	ug/l	
355-46-4	Perfluorohexanesulfonic acid	ND		0.0077	ug/l	
1763-23-1	Perfluorooctanesulfonic acid	ND		0.0077	ug/l	
2355-31-9	MeFOSAA	ND		0.019	ug/l	
2991-50-6	EtFOSAA	ND		0.019	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
	13C2-PFHxA	93%		70-130%
	13C2-PFDA	90%		70-130%
	d5-EtFOSAA	82%		70-130%

- (a) Analysis performed at SGS Accutest, Orlando FL.
- (b) Associated MS/MSD recovery outside control limits.
- (c) Associated BS and MS/MSD recovery outside control limits.

ND = Not detected
MCL = Maximum Contamination Level (40 CFR 141)
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound



Report of Analysis

Client Sample ID: 289 LOWER SANDY HILL RD-1	Date Sampled: 06/02/17
Lab Sample ID: MC50557-2	Date Received: 06/02/17
Matrix: DW - Drinking Water	Percent Solids: n/a
Method: EPA 537 EPA 537	
Project: 289 Lower Sandy Hill, Westfield, MA	

4.2
4

Run #	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 ^a	Q35214.D	1	06/15/17 14:40	AFL	06/14/17 09:30	F:OP65453	F:SQ913
Run #2 ^a	Q35215.D	5	06/15/17 14:59	AFL	06/14/17 09:30	F:OP65453	F:SQ913

Run #	Initial Volume	Final Volume
Run #1	260 ml	1.0 ml
Run #2	260 ml	1.0 ml

Perfluorinated Alkyl Acids

CAS No.	Compound	Result	MCL	RL	Units	Q
307-24-4	Perfluorohexanoic acid	0.0770		0.0077	ug/l	
375-85-9	Perfluoroheptanoic acid	0.0249		0.0077	ug/l	
335-67-1	Perfluorooctanoic acid	0.152		0.0077	ug/l	
375-95-1	Perfluorononanoic acid	ND		0.0077	ug/l	
335-76-2	Perfluorodecanoic acid	ND		0.0077	ug/l	
2058-94-8	Perfluoroundecanoic acid	ND		0.0077	ug/l	
307-55-1	Perfluorododecanoic acid ^b	ND		0.0077	ug/l	
72629-94-8	Perfluorotridecanoic acid ^b	ND		0.0077	ug/l	
376-06-7	Perfluorotetradecanoic acid ^b	ND		0.0077	ug/l	
375-73-5	Perfluorobutanesulfonic acid	0.0203		0.0077	ug/l	
355-46-4	Perfluorohexanesulfonic acid	0.334		0.0077	ug/l	
1763-23-1	Perfluorooctanesulfonic acid	0.635 ^c		0.038	ug/l	
2355-31-9	MeFOSAA	ND		0.019	ug/l	
2991-50-6	EtFOSAA	ND		0.019	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
	13C2-PFHxA	96%	93%	70-130%
	13C2-PFDA	97%	93%	70-130%
	d5-EtFOSAA	92%	129%	70-130%

- (a) Analysis performed at SGS Accutest, Orlando FL.
- (b) Associated BS recovery outside control limits.
- (c) Result is from Run# 2

ND = Not detected
MCL = Maximum Contamination Level (40 CFR 141)
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: 289 LOWER SANDY HILL RD-2	Date Sampled: 06/02/17
Lab Sample ID: MC50557-3	Date Received: 06/02/17
Matrix: DW - Drinking Water	Percent Solids: n/a
Method: EPA 537 EPA 537	
Project: 289 Lower Sandy Hill, Westfield, MA	

4.3
4

Run #	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 ^a	Q35216.D	1	06/15/17 15:17	AFL	06/14/17 09:30	F:OP65453	F:SQ913
Run #2 ^a	Q35217.D	5	06/15/17 15:35	AFL	06/14/17 09:30	F:OP65453	F:SQ913

Run #	Initial Volume	Final Volume
Run #1	250 ml	1.0 ml
Run #2	250 ml	1.0 ml

Perfluorinated Alkyl Acids

CAS No.	Compound	Result	MCL RL	Units	Q
307-24-4	Perfluorohexanoic acid	0.0790	0.0080	ug/l	
375-85-9	Perfluoroheptanoic acid	0.0251	0.0080	ug/l	
335-67-1	Perfluorooctanoic acid	0.157	0.0080	ug/l	
375-95-1	Perfluorononanoic acid	ND	0.0080	ug/l	
335-76-2	Perfluorodecanoic acid	ND	0.0080	ug/l	
2058-94-8	Perfluoroundecanoic acid	ND	0.0080	ug/l	
307-55-1	Perfluorododecanoic acid ^b	ND	0.0080	ug/l	
72629-94-8	Perfluorotridecanoic acid ^b	ND	0.0080	ug/l	
376-06-7	Perfluorotetradecanoic acid ^b	ND	0.0080	ug/l	
375-73-5	Perfluorobutanesulfonic acid	0.0212	0.0080	ug/l	
355-46-4	Perfluorohexanesulfonic acid	0.315	0.0080	ug/l	
1763-23-1	Perfluorooctanesulfonic acid	0.612 ^c	0.040	ug/l	
2355-31-9	MeFOSAA	ND	0.020	ug/l	
2991-50-6	EtFOSAA	ND	0.020	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
	13C2-PFHxA	95%	92%	70-130%
	13C2-PFDA	97%	90%	70-130%
	d5-EtFOSAA	82%	113%	70-130%

- (a) Analysis performed at SGS Accutest, Orlando FL.
- (b) Associated BS recovery outside control limits.
- (c) Result is from Run# 2

ND = Not detected
MCL = Maximum Contamination Level (40 CFR 141)
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Misc. Forms

5**Custody Documents and Other Forms**

Includes the following where applicable:

- Chain of Custody
- MCP Form
- Sample Tracking Chronicle
- QC Evaluation: MA MCP Limits



ACCUTEST

PREM CHAIN OF CUSTODY

SGS Accutest of New England
50 D'Angelo Drive, Building One Marlborough, MA 01752
TEL: 508-481-6200 FAX: 508-481-7753
www.accutest.com

FED-EX Tracking #
Boiler Order Control #
SGS Accutest Quote #
SGS Accutest Job # MC50557

Client/Reporting Information: ATC Group Services
Project Name: 289 Lower Sandy Hill Rd, Westfield
Street Address: 73 William Franks Dr., West Springfield, MA
Project Contact: rob.smith@accutest.com
Sample Manager: Rob Smith
Collection Table with columns: Field ID, Date, Time, Sampled by, Matrix, # of bottles, etc.

Turnaround Time (Business days)
Approved By (SGS Accutest P#): / Date:
Commercial "A" (Level 1)
Commercial "B" (Level 2)
FULLT3 (Level 3+4)
CT RCP
MA MCP
NYASP Category A
NYASP Category B
State Forms
EDD Format
Other
Comments / Special Instructions: Extract and HOLD
- 289 Lower Sandy Hill Rd - Field blank
- 289 Lower Sandy Hill Rd - 2
- 289 Lower Sandy Hill Rd - for total As, Pb, Hardness, TOC

Sample Custody must be documented below each time samples change possession, including courier delivery.
1. Relinquished by: [Signature], Date Time: 6/2/17 11:45
2. Received by: [Signature], Date Time: 6/2/17 13:45
3. Relinquished by: [Signature], Date Time: 6-2-17
4. Received by: [Signature], Date Time:
5. Relinquished by:
5. Received by:
Custody Seal #
Intact Preserved where applicable
Not intact
On Ice
Cooler Temp. 29

5.1 5

SGS Accutest Sample Receipt Summary

Job Number: MC50557

Client: ATC

Project: WESTFIRD

Date / Time Received: 6/2/2017 3:35:00 PM

Delivery Method: SGS COURIER

Airbill #'s:

Cooler Temps (Initial/Adjusted): #1: (2.9/2.4):

Cooler Security

Y or N

- 1. Custody Seals Present:
- 2. Custody Seals Intact:

- 3. COC Present:
- 4. Smpi Dates/Time OK:

Y or N

Cooler Temperature

Y or N

- 1. Temp criteria achieved:
- 2. Thermometer ID: IRGUN1;
- 3. Cooler media: Ice (Bag)
- 4. No. Coolers: 1

Quality Control Preservation

Y or N

N/A

- 1. Trip Blank present / cooler:
- 2. Trip Blank listed on COC:
- 3. Samples preserved properly:
- 4. VOCs headspace free:

Comments

Sample Integrity - Documentation

Y or N

- 1. Sample labels present on bottles:
- 2. Container labeling complete:
- 3. Sample container label / COC agree:

Sample Integrity - Condition

Y or N

- 1. Sample recvd within HT:
- 2. All containers accounted for:
- 3. Condition of sample: Intact

Sample Integrity - Instructions

Y or N

N/A

- 1. Analysis requested is clear:
- 2. Bottles received for unspecified tests:
- 3. Sufficient volume recvd for analysis:
- 4. Compositing instructions clear:
- 5. Filtering instructions clear:

5.1
5

MC50557: Chain of Custody
Page 2 of 2





Massachusetts Department
of Environmental Protection
Bureau of Waste Site Cleanup

WSC-CAM

Exhibit VII A

July 1, 2010

Revision No. 1

Final

Exhibit VII A-2: MassDEP Analytical Protocol Certification Form

5.2
5

MassDEP Analytical Protocol Certification Form

Laboratory Name: SGS Accutest- Marlborough Project #: MC50557

Project Location: 289 Lower Sandy Hill, Westfield, MA MADEP RTN None

This form provides certifications for the following data set: list Laboratory Sample ID Numbers(s)
MC50557-1,MC50557-2,MC50557-3

Matrices: Groundwater/Surface Water () Soil/Sediment () Drinking Water (X) Air () Other ()

CAM Protocol (check all that apply below):

8260 VOC () CAM IIA	7470/7471 Hg () CAM III B	MassDEP VPH () CAM IV A	8081 Pesticides () CAM V B	7196 Hex Cr () CAM VI B	Mass DEP APH () CAM IX A
8270 SVOC () CAM II B	7010 Metals () CAM III C	MassDEP EPH () CAM IV B	8151 Herbicides () CAM V C	8330 Explosives () CAM VIII A	TO-15 VOC () CAM IX B
6010 Metals () CAM III A	6020 Metals () CAM III D	8082 PCB () CAM V A	9014 Total Cyanide/PAC CAM VI A	6860 Perchlorate () CAM VIII B	

Affirmative Responses to Questions A Through F are required for "Presumptive Certainty status"

A	Were all samples received in a condition consistent with those described on the Chain-of Custody, properly preserved (including temperature) in the field or laboratory, and prepared/analyzed within method holding times?	<input checked="" type="checkbox"/>	Yes	<input type="checkbox"/>	No
B	Were the analytical method(s) and all associated QC requirements specified in the selected CAM protocol(s) followed?	<input checked="" type="checkbox"/>	Yes	<input type="checkbox"/>	No
C	Were all required corrective actions and analytical response actions specified in the selected CAM protocol(s) implemented for all identified performance standard non-conformances?	<input checked="" type="checkbox"/>	Yes	<input type="checkbox"/>	No
D	Does the laboratory report comply with all the reporting requirements specified in CAM VII A, "Quality Assurance and Quality Control Guidelines for the Acquisition and Reporting of Analytical Data"?	<input checked="" type="checkbox"/>	Yes	<input type="checkbox"/>	No
E	VPH, EPH, APH, and TO-15 only: a. VPH, EPH, and APH Methods only: Was each method conducted without significant modification(s)? (Refer to the individual method(s) for a list of significant modifications). b. APH and TO-15 Methods only: Was the complete analyte list reported for each method?	<input type="checkbox"/>	Yes	<input type="checkbox"/>	No
F	Were all applicable CAM protocol QC and performance standard non-conformances identified and evaluated in a laboratory narrative (including all "No" responses to Questions A through E)?	<input checked="" type="checkbox"/>	Yes	<input type="checkbox"/>	No

Responses to questions G, H, and I below is required for "Presumptive Certainty" status

G	Were the reporting limits at or below all CAM reporting limits specified in the selected CAM protocols	<input checked="" type="checkbox"/>	Yes	<input type="checkbox"/>	No ¹
Data User Note: Data that achieve "Presumptive Certainty" status may not necessarily meet the data useability and representativeness requirements described in 310 CMR 40.1056(2)(k) and WSC-07-350.					
H	Were all QC performance standards specified in the CAM protocol(s) achieved?	<input type="checkbox"/>	Yes	<input checked="" type="checkbox"/>	No ¹
I	Were results reported for the complete analyte list specified in the selected CAM protocol(s)?	<input checked="" type="checkbox"/>	Yes	<input type="checkbox"/>	No ¹

All Negative responses must be addressed in an attached Environmental Laboratory case narrative.

I the undersigned, attest under the pains and penalties of perjury that, based upon my personal inquiry of those responsible for obtaining the information, the material contained in this analytical report is, to the best of my knowledge and belief, accurate and complete.

Signature: [Signature] Position: Laboratory Director

Printed Name: H. (Brad) Madadian Date: 16-Jun-17



Internal Sample Tracking Chronicle

ATC Group Services LLC.

Job No: MC50557

289 Lower Sandy Hill, Westfield, MA



Sample Number	Method	Analyzed	By	Prepped	By	Test Codes
MC50557-1 Collected: 02-JUN-17 11:00 By: JB Received: 02-JUN-17 By: TF 289 LOWER SANDY HILL RD - FIELD BLANK						
MC50557-1	EPA 537	15-JUN-17 13:46	AFL	14-JUN-17	AFL	LC537LISTAO
MC50557-2 Collected: 02-JUN-17 11:05 By: JB Received: 02-JUN-17 By: TF 289 LOWER SANDY HILL RD-1						
MC50557-2	EPA 537	15-JUN-17 14:40	AFL	14-JUN-17	AFL	LC537LIST
MC50557-2	EPA 537	15-JUN-17 14:59	AFL	14-JUN-17	AFL	LC537LIST
MC50557-3 Collected: 02-JUN-17 11:06 By: JB Received: 02-JUN-17 By: TF 289 LOWER SANDY HILL RD-2						
MC50557-3	EPA 537	15-JUN-17 15:17	AFL	14-JUN-17	AFL	LC537LISTAO
MC50557-3	EPA 537	15-JUN-17 15:35	AFL	14-JUN-17	AFL	LC537LISTAO

QC Evaluation: MA MCP Limits

Job Number: MC50557
Account: ATC Group Services LLC.
Project: 289 Lower Sandy Hill, Westfield, MA
Collected: 06/02/17

QC Sample ID	CAS#	Analyte	Sample Result Type	Result Type	Units	Limits
--------------	------	---------	--------------------	-------------	-------	--------

No Exceptions found.

5.4
5

* Sample used for QC is not from job MC50557

Misc. Forms

**Custody Documents and Other Forms**

(SGS Accutest Southeast)

Includes the following where applicable:

- Chain of Custody
- Sample Tracking Chronicle



ACCUTEST

50 D'Angelo Drive, 495 Technology Center West, Bldg One, Marlborough, MA 01752
TEL: 508-481-6200 FAX: 508-481-7753
www.sgs.com

CHAIN OF CUSTODY

FL

FED-EX Tracking #	Bole Order Control #
SGS Account Name #	SGS Account Job MC50557

Client / Reporting Information		Project Information										Requested Analysis (see TEST CODE sheet)										Matrix Codes																																																																								
Company Name: SGS Accutest		Project Name: 289 Lower Sandy Hill, Westfield, MA																				DW - Drinking Water GW - Ground Water WW - Wastewater SW - Surface Water SO - Soil SL - Sludge SED - Sediment CI - Oil LIQ - Other Liquid AIR - Air SOL - Other Solid WP - Wipes FB - Field Blank EB - Equipment Blank RB - Rinse Blank TB - Trip Blank																																																																								
Street Address: 30 D'Angelo Drive, 495 Technology Center West, BLDG One		Street		Billing Information (if different from Report to)																																																																																										
City: Marlborough, MA 01752		City		Company Name																																																																																										
Project Contact: Jeremy_Vierstaub@sgs.com		Project #		Street Address																																																																																										
Phone #: 508-481-6200		Client Purchase Order #		City																																																																																										
Fax #		Project Manager		State								Zip		LCS37/UST LCS37XH	LAB USE ONLY																																																																															
Sampler(s) Name(s): JB		Attention:		<table border="1"> <tr> <th colspan="2">Collection</th> <th colspan="10">Number of preserved bottles</th> </tr> <tr> <th>MECH/VDI Vial #</th> <th>Date</th> <th>Time</th> <th>Sampled by</th> <th>Matrix</th> <th># of bottles</th> <th>ICE</th> <th>NO3H</th> <th>PHOS</th> <th>NO2H</th> <th>NO3N</th> <th>NO2N</th> <th>CHLOR</th> <th>AMMON</th> <th>PERCHL</th> <th>ENDORSE</th> </tr> <tr> <td>1</td> <td>8/2/17</td> <td>11:00:00 AM</td> <td>JB</td> <td>DW</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>2</td> <td>6/2/17</td> <td>11:05:00 AM</td> <td>JB</td> <td>DW</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>3</td> <td>6/2/17</td> <td>11:00:00 AM</td> <td>JB</td> <td>DW</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> </table>												Collection		Number of preserved bottles										MECH/VDI Vial #	Date	Time	Sampled by	Matrix	# of bottles	ICE	NO3H	PHOS	NO2H	NO3N	NO2N	CHLOR	AMMON	PERCHL	ENDORSE	1	8/2/17	11:00:00 AM	JB	DW													2	6/2/17	11:05:00 AM	JB	DW													3	6/2/17	11:00:00 AM	JB	DW												
Collection		Number of preserved bottles																																																																																												
MECH/VDI Vial #	Date	Time	Sampled by	Matrix	# of bottles	ICE	NO3H	PHOS	NO2H	NO3N	NO2N	CHLOR	AMMON			PERCHL	ENDORSE																																																																													
1	8/2/17	11:00:00 AM	JB	DW																																																																																										
2	6/2/17	11:05:00 AM	JB	DW																																																																																										
3	6/2/17	11:00:00 AM	JB	DW																																																																																										
Turnaround Time (Business days)		Data Deliverable Information										Comments / Special Instructions																																																																																		
<input type="checkbox"/> Std. 10 Business Days <input type="checkbox"/> 5 Day RUSH <input type="checkbox"/> 3 Day EMERGENCY <input type="checkbox"/> 2 Day EMERGENCY <input type="checkbox"/> 1 Day EMERGENCY <input checked="" type="checkbox"/> other Due 8/16/2017 Emergency & Rush T/A data available VIA LabLink		Approved By (SGS Accutest PM): / Date: _____		<input type="checkbox"/> Commercial "A" (Level 1) <input type="checkbox"/> NYASP Category A <input type="checkbox"/> Commercial "B" (Level 2) <input type="checkbox"/> NYASP Category B <input type="checkbox"/> FULL T1 (Level 3+4) <input type="checkbox"/> State Forms <input type="checkbox"/> NJ Reduced <input type="checkbox"/> EDD Format <input type="checkbox"/> Commercial "Q" <input checked="" type="checkbox"/> Other: MAMCP										Commercial "A" = Results Only Commercial "B" = Results + QC Summary NJ Reduced = Results + QC Summary + Partial Raw data																																																																																
Sample Custody must be documented below each time samples change possession, including courier delivery.																																																																																														
Relinquished by Sampler: 1 <i>JS/AM</i>		Date/Time: 8-2-17		Received By: 1 <i>Paul SA</i>		Relinquished By: 2 <i>Ray J...</i>		Date/Time: 6-2-17		Received By: 2 <i>EDX</i>		Relinquished by Sampler: 3		Date/Time:		Received By: 3 <i>ADSE</i>																																																																														
Relinquished by Sampler: 4		Date/Time:		Received By: 4		Relinquished By: 4 <i>FX</i>		Date/Time:		Received By: 4 <i>ADSE</i>		Relinquished by Sampler: 5		Date/Time:		Received By: 5																																																																														
Droptail Seal #		Initial		Preserved where applicable		Client Temp.		1-6																																																																																						

0.1
6

MC50557: Chain of Custody
Page 1 of 2
SGS Accutest Southeast

SGS Accutest Sample Receipt Summary

Job Number: MC50557

Client: ALNE

Project: 289 LOWER SANDY HILL

Date / Time Received: 6/3/2017 9:15:00 AM

Delivery Method: FEDEX

Airbill #s: 727375163157

Therm ID: IR 1; Therm CF: 0.4; # of Coolers: 1
Cooler Temps (Raw Measured) °C: Cooler 1: (1.2);
Cooler Temps (Corrected) °C: Cooler 1: (1.6);

Cooler Information

Table with 3 columns: Item, Y, N. Items include Custody Seals Present, Custody Seals Intact, Temp criteria achieved, Cooler temp verification, Cooler media.

Sample Information

Table with 4 columns: Item, Y, N, N/A. Items include Sample labels present on bottles, Samples preserved properly, Sufficient volume/containers recvd for analysis, Condition of sample, Sample recvd within HT, Dates/Times/IDs on COC match Sample Label, VOCs have headspace, Bottles received for unspecified tests, Compositing instructions clear, Voa Soil Kits/Jars received past 48hrs?, % Solids Jar received?, Residual Chlorine Present?

Trip Blank Information

Table with 4 columns: Item, Y, N, N/A. Items include Trip Blank present / cooler, Trip Blank listed on COC, Type Of TB Received.

Misc. Information

Number of Encores: 25-Gram, 5-Gram, Number of 5035 Field Kits, Number of Lab Filtered Metals, Test Strip Lot #s: pH 0-3, 230315, pH 10-12, 219813A, Other: (Specify), Residual Chlorine Test Strip Lot #:

Comments

SM001 Rev. Date 05/24/17 Technician: PHILLIPD Date: 6/3/2017 9:15:00 AM Reviewer: CAITLINB Date: 6/4/2017

MC50557: Chain of Custody
Page 2 of 2



Internal Sample Tracking Chronicle

SGS Accutest New England

Job No: MC50557

ATCMAS: 289 Lower Sandy Hill, Westfield, MA
 Project No: ATCMAS27018

6.2
6

Sample Number	Method	Analyzed	By	Prepped	By	Test Codes
MC50557-1 Collected: 02-JUN-17 11:00 By: JB Received: 02-JUN-17 By: PD 289 LOWER SANDY HILL RD - FIELD BLANK						
MC50557-1	EPA 537	15-JUN-17 13:46	NAF	14-JUN-17	MB	LC537LISTAO
MC50557-2 Collected: 02-JUN-17 11:05 By: JB Received: 02-JUN-17 By: PD 289 LOWER SANDY HILL RD-1						
MC50557-2	EPA 537	15-JUN-17 14:40	NAF	14-JUN-17	MB	LC537LIST
MC50557-2	EPA 537	15-JUN-17 14:59	NAF	14-JUN-17	MB	LC537LIST
MC50557-3 Collected: 02-JUN-17 11:06 By: JB Received: 02-JUN-17 By: PD 289 LOWER SANDY HILL RD-2						
MC50557-3	EPA 537	15-JUN-17 15:17	NAF	14-JUN-17	MB	LC537LISTAO
MC50557-3	EPA 537	15-JUN-17 15:35	NAF	14-JUN-17	MB	LC537LISTAO

GC/MS Semi-volatiles

QC Data Summaries

(SGS Accutest Southeast)

Includes the following where applicable:

- Method Blank Summaries
- Blank Spike Summaries
- Matrix Spike and Duplicate Summaries
- Internal Standard Area Summaries
- Surrogate Recovery Summaries

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Method Blank Summary

Job Number: MC50557
 Account: ALNE SGS Accutest New England
 Project: ATCMAS: 289 Lower Sandy Hill, Westfield, MA

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP65453-MB	Q35220.D	1	06/15/17	NAF	06/14/17	OP65453	SQ913

The QC reported here applies to the following samples:

Method: EPA 537

MC50557-1, MC50557-2, MC50557-3

CAS No.	Compound	Result	RL	Units	Q
307-24-4	Perfluorohexanoic acid	ND	0.0080	ug/l	
375-85-9	Perfluoroheptanoic acid	ND	0.0080	ug/l	
335-67-1	Perfluorooctanoic acid	ND	0.0080	ug/l	
375-95-1	Perfluorononanoic acid	ND	0.0080	ug/l	
335-76-2	Perfluorodecanoic acid	ND	0.0080	ug/l	
2058-94-8	Perfluoroundecanoic acid	ND	0.0080	ug/l	
307-55-1	Perfluorododecanoic acid	ND	0.0080	ug/l	
72629-94-8	Perfluorotridecanoic acid	ND	0.0080	ug/l	
376-06-7	Perfluorotetradecanoic acid	ND	0.0080	ug/l	
375-73-5	Perfluorobutanesulfonic acid	ND	0.0080	ug/l	
355-46-4	Perfluorohexanesulfonic acid	ND	0.0080	ug/l	
1763-23-1	Perfluorooctanesulfonic acid	ND	0.0080	ug/l	
2355-31-9	MeFOSAA	ND	0.020	ug/l	
2991-50-6	EtFOSAA	ND	0.020	ug/l	

CAS No.	Surrogate Recoveries		Limits
	13C2-PFHxA	96%	70-130%
	13C2-PFDA	107%	70-130%
	d5-EtFOSAA	82%	70-130%

7.1.1
7

Blank Spike Summary

Job Number: MC50557
 Account: ALNE SGS Accutest New England
 Project: ATCMAS: 289 Lower Sandy Hill, Westfield, MA

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP65453-BS	Q35209.D	1	06/15/17	NAF	06/14/17	OP65453	SQ913

The QC reported here applies to the following samples:

Method: EPA 537

MC50557-1, MC50557-2, MC50557-3

CAS No.	Compound	Spike ug/l	BSP ug/l	BSP %	Limits
307-24-4	Perfluorohexanoic acid	0.08	0.0805	101	70-130
375-85-9	Perfluoroheptanoic acid	0.08	0.0837	105	70-130
335-67-1	Perfluorooctanoic acid	0.08	0.0848	106	70-130
375-95-1	Perfluorononanoic acid	0.08	0.0846	106	70-130
335-76-2	Perfluorodecanoic acid	0.08	0.0866	108	70-130
2058-94-8	Perfluoroundecanoic acid	0.08	0.0740	93	70-130
307-55-1	Perfluorododecanoic acid	0.08	0.0554	69* a	70-130
72629-94-8	Perfluorotridecanoic acid	0.08	0.0518	65* a	70-130
376-06-7	Perfluorotetradecanoic acid	0.08	0.0530	66* a	70-130
375-73-5	Perfluorobutanesulfonic acid	0.08	0.0866	108	70-130
355-46-4	Perfluorohexanesulfonic acid	0.08	0.0922	115	70-130
1763-23-1	Perfluorooctanesulfonic acid	0.08	0.0820	103	70-130
2355-31-9	MeFOSAA	0.08	0.0886	111	70-130
2991-50-6	EtFOSAA	0.08	0.0815	102	70-130

CAS No.	Surrogate Recoveries	BSP	Limits
	13C2-PFHxA	99%	70-130%
	13C2-PFDA	106%	70-130%
	d5-EtFOSAA	94%	70-130%

(a) Outside control limits.

* = Outside of Control Limits.

7.2.1
7

Semivolatiles Internal Standard Area Summary

Job Number: MC50557
 Account: ALNE SGS Accutest New England
 Project: ATCMAS: 289 Lower Sandy Hill, Westfield, MA

Check Std:	SQ913-ICC913	Injection Date:	06/15/17
Lab File ID:	Q35203.D	Injection Time:	11:11
Instrument ID:	GCMSQ	Method:	EPA 537

	IS 1		IS 2		IS 3		IS 4		IS 5		IS 6	
	AREA	RT	AREA	RT	AREA	RT	AREA	RT	AREA	RT	AREA	RT
Initial Cal ^a	32709	4.26	36677	6.57	67473	6.58	57532	7.08	11674	7.55	28771	9.83
Check Std ^b	31925	4.26	37778	6.57	68135	6.58	58579	7.08	11987	7.55	29514	9.83
Upper Limit ^c	49064	5.26	55016	7.57	101210	7.58	86298	8.08	17511	8.55	43157	10.83
Lower Limit ^d	16355	3.26	18339	5.57	33737	5.58	28766	6.08	5837	6.55	14386	8.83

Lab Sample ID	IS 1		IS 2		IS 3		IS 4		IS 5		IS 6	
	AREA	RT	AREA	RT	AREA	RT	AREA	RT	AREA	RT	AREA	RT
OP65453-BS	26710	4.25	40080	6.57	66893	6.56	58538	7.07	13377	7.55	30374	9.80
MC50557-1	24496	4.25	34480	6.57	61946	6.56	52844	7.07	11991	7.55	27189	9.81
OP65453-MS	24391	4.24	37072	6.55	61331	6.55	53274	7.06	12603	7.54	28242	9.76
OP65453-MSD	23956	4.20	37694	6.53	61377	6.53	51896	7.05	12193	7.52	27826	9.71
MC50557-2	24385	4.18	38544	6.52	63436	6.51	52401	7.02	13208	7.51	29389	9.68
MC50557-2	26470	4.17	38597	6.51	65398	6.50	54954	7.02	13168	7.51	29636	9.64
MC50557-3	24249	4.17	37314	6.51	62420	6.50	50894	7.02	13091	7.51	28201	9.65
MC50557-3	25902	4.17	36601	6.51	63236	6.50	53157	7.02	12676	7.51	28657	9.62

- IS 1 = 13C3-PFPeA
- IS 2 = 13C2-6:2FTS
- IS 3 = 13C2-PFOA
- IS 4 = 13C4-PFOS
- IS 5 = d3-MeFOSAA
- IS 6 = 13C2-PFDoDA

(a) Initial Cal is: SQ913-ICC913 Q35203.D 06/15/17 11:11. Area is AVERAGE of initial cal points.
 (b) Check Std Limit = -50 to +50% of initial cal area.
 (c) Upper Limit = +50% of initial standard area; Retention time +1 minutes of check standard.
 (d) Lower Limit = -50% of initial standard area; Retention time -1 minutes of check standard.

7.3.1
7

Semivolatiles Internal Standard Area Summary

Job Number: MC50557
 Account: ALNE SGS Accutest New England
 Project: ATCMAS: 289 Lower Sandy Hill, Westfield, MA

Check Std:	SQ913-CC913	Injection Date:	06/15/17
Lab File ID:	Q35218.D	Injection Time:	15:53
Instrument ID:	GCMSQ	Method:	EPA 537

	IS 1		IS 2		IS 3		IS 4		IS 5		IS 6	
	AREA	RT	AREA	RT	AREA	RT	AREA	RT	AREA	RT	AREA	RT
Initial Cal ^a	32709	4.26	36677	6.57	67473	6.58	57532	7.08	11674	7.55	28771	9.83
Check Std ^b	26934	4.17	39868	6.51	65960	6.50	54693	7.02	13751	7.51	30331	9.62
Upper Limit ^c	49064	5.17	55016	7.51	101210	7.50	86298	8.02	17511	8.51	43157	10.62
Lower Limit ^d	16355	3.17	18339	5.51	33737	5.50	28766	6.02	5837	6.51	14386	8.62

Lab Sample ID	IS 1		IS 2		IS 3		IS 4		IS 5		IS 6	
	AREA	RT	AREA	RT	AREA	RT	AREA	RT	AREA	RT	AREA	RT
OP65453-MB	23818	4.17	35415	6.51	60846	6.50	50967	7.02	12743	7.51	27740	9.62
ZZZZZZ	24326	4.17	35571	6.51	62040	6.50	50945	7.02	12525	7.51	28076	9.65
ZZZZZZ	23569	4.17	35808	6.51	61320	6.50	51007	7.02	12954	7.51	27981	9.65
ZZZZZZ	22004	4.17	36057	6.51	59988	6.50	50654	7.02	12683	7.51	28081	9.65
ZZZZZZ	21006	4.17	35785	6.51	59399	6.51	51079	7.02	12659	7.51	27894	9.65

IS 1 = 13C3-PFPeA
 IS 2 = 13C2-6:2FTS
 IS 3 = 13C2-PFOA
 IS 4 = 13C4-PFOS
 IS 5 = d3-MeFOSAA
 IS 6 = 13C2-PFDoDA

- (a) Initial Cal is: SQ913-ICC913 Q35203.D 06/15/17 11:11. Area is AVERAGE of initial cal points.
- (b) Check Std Limit = -50 to +50% of initial cal area.
- (c) Upper Limit = +50% of initial standard area; Retention time +1 minutes of check standard.
- (d) Lower Limit = -50% of initial standard area; Retention time -1 minutes of check standard.

7.3.2
7

Semivolatle Surrogate Recovery Summary

Job Number: MC50557
Account: ALNE SGS Accutest New England
Project: ATCMAS: 289 Lower Sandy Hill, Westfield, MA

Method: EPA 537 Matrix: DW

Samples and QC shown here apply to the above method

Lab Sample ID	Lab File ID	S1	S2	S3
MC50557-1	Q35211.D	93	90	82
MC50557-2	Q35215.D	93	93	129
MC50557-2	Q35214.D	96	97	92
MC50557-3	Q35217.D	92	90	113
MC50557-3	Q35216.D	95	97	82
OP65453-BS	Q35209.D	99	106	94
OP65453-MB	Q35220.D	96	107	82

Surrogate Compounds	Recovery Limits
S1 = 13C2-PFHxA	70-130%
S2 = 13C2-PFDA	70-130%
S3 = d5-EtFOSAA	70-130%

7.4.1

