

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 perflourinated 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

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	14Î 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



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 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.

Notice of Environmental Sampling 1720 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 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

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

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



Massachusetts Department of Environmental Protection Bureau of Waste Site Cleanup

BWSC123

This Notice is Related to: Release Tracking Number

1 -	20093	

NOTICE OF ENVIRONMENTAL SAMPLING

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

1. Street Address: 175 Falcon Drive City/Town: Westfield	A.	A. The address of the disposal site related to this	s Notice	and Release Tracking Number (provided above):
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 Phase III Feasibility Evaluation Phase IV Remedy Implementation Plan Phase IV Remedy Operation Status Phase IV Remedy Operation of property where sampling will be/has been conducted: Immediate Response Action Phase IV Remedy Operation Status Phase IV Remedy Operation	1.	. Street Address: 175 Falcon Drive		
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		City/Town: Westfield Zip	Code:	01085
2. Street Address: 1720 East Mountain Road	В.	3. This notice is being provided to the following	party:	
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 Zip Code: 01103	1.	1. Name: John Provost		
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 Zip Code: 01103	2.	2. Street Address: 1720 East Mountain Road		
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			Code:	01085
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: Street Address: 1720 East Mountain Road	c.	C. This notice is being given to inform its recipie	ent (the p	party listed in Section B):
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: Street Address: 1720 East Mountain Road		1. That environmental sampling will be/has b	een con	ducted 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: Street Address: 1720 East Mountain Road		2 Of the results of environmental sampling	conducte	ed at property owned by the recipient of this notice.
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		<u> </u>		
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				
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	n	2. Location of the property where the environme	ntal san	opling will be/has been conducted:
City/Town: Westfield Zip Code: 01103 2. MCP phase of work during which the sampling will be/has been conducted: ☐ Immediate Response Action ☐ Phase III Feasibility Evaluation ☐ Phase IV Remedy Implementation Plan ☐ Utility-related Abatement Measure ☐ Phase V/Remedy Operation Status ☐ Phase I Initial Site Investigation ☐ Post-Temporary Solution Operation, Maintenance and Monitoring ☐ Phase II Comprehensive Site Assessment ☐ Other ☐ (specify) 3. Description of property where sampling will be/has been conducted: ☐ (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			intai Jan	
2. MCP phase of work during which the sampling will be/has been conducted: Immediate Response Action	١.		Codo:	01103
Immediate Response Action		•		
Release Abatement Measure	2.			
Phase I Initial Site Investigation		·		
□ Phase II Comprehensive Site Assessment □ 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: □1103				
(specify) 3. Description of property where sampling will be/has been conducted: residential commercial industrial school/playground Other				· · · · · · · · · · · · · · · · · · ·
☑ residential ☐ commercial ☐ industrial ☐ school/playground ☐ Other		,	_	• • • • • • • • • • • • • • • • • • • •
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	3.			
 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 		☑ residential ☐ commercial ☐ ind	ustrial	
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	4	4 Description of the sampling locations and types (e.a soil	,
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			,	
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				
Contact Name: Department of Environmental Protection Street Address: 436 Dwight Street City/Town: Springfield Zip Code: 01103	pı	property and analyzed for PFAS via EPA M	letnod t	537.1.
Contact Name: Department of Environmental Protection Street Address: 436 Dwight Street City/Town: Springfield Zip Code: 01103				
Street Address: 436 Dwight Street City/Town: Springfield Zip Code: 01103				notice:
City/Town: Springfield Zip Code: 01103			ection	
ORLY/TOWN. — Production of the Control of the Contr			in Codo:	01103
			•	



Massachusetts Department of Environmental Protection Bureau of Waste Site Cleanup

BWSC123

This Notice is Related to: Release Tracking Number

20093

NOTICE OF ENVIRONMENTAL SAMPLING

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.

Revised: 5/30/2014 Page 2 of 2



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

Berry K. Mille

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

Sample Summary	3
Case Narrative	4
Sample Results	5
17F0516-01	5
Sample Preparation Information	6
QC Data	7
Miscellaneous Organic Analyses	7
B179101	7
Flag/Qualifier Summary	8
Certifications	9
Chain of Custody/Sample Receipt	10



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

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#

ATTN: Rob Smith

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.

ia Wastensten

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



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_

			Misc	ellaneous Org	anic Analys	es			•	
	v. 1.		MCL/SMCL MA ORSG	TT*-	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Analyte	Results		MA ORSG	Units	Dilution	Flag/Quai				
Perfluoroundecanoic acid (PFUnA)	ND	2.0		ng/L	i		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		% Reco	very · Re	covery 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	



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	



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
latch B179101 - EPA 537										
Biank (B179101-BLK1)				Prepared: 06	5/13/17 Anal	yzed: 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							
erfluorooctanoic acid (PFOA)	ND	2.0	ng/L							
erfluorooctanesulfonic acid (PFOS)	ND	2.0	ng/L							
erfluorononanoic acid (PFNA)	ND	2.0	ng/L							
erfluorohexanoic acid (PFHxA)	ND	2.0	ng/L							
erfluorohexanesulfonic acid (PFHxS)	ND	2.0	ng/L							
erfluoroheptanoic acid (PFHpA)	ND	2.0	ng/L							
erfluorododecanoic acid (PFDoA)	ND	2.0	ng/L							
erfluorodecanoic acid (PFDA)	ND	2,0	ng/L	•						
erfluorobutanesulfonic acid (PFBS)	ND	2,0	ng/L							
IEtFOSAA	ND	2,0	ng/L							
IMeFOSAA	ND	2,0	ng/L							
urrogate: 13C-PFHxA	37.0		ng/L	40.0		92.4	70-130			
urrogate: 13C-PFDA	37.2		ng/L	40.0		93.0	70-130			
Surrogate: d5-NEtFOSAA	156		ng/L	160		97.4	70-130			
CS (B179101-BS1)				Prepared: 00	5/13/17 Anal	yzed: 06/18/	17		···	
erfluoroundecanoic acid (PFUnA)	26,2	2.0	ng/L	20.0		131 *	70-130			L-01
erfluorotridecanoic acid (PFTrDA)	25.4	2.0	ng/L	20.0		127	70-130			
erfluorotetradecanoic acid (PFTA)	25.1	2.0	ng/L	20,0		125	70-130			
erfluorooctanoic acid (PFOA)	25.6	2.0	ng/L	20.0		128	70-130			
erfluorooctanesulfonic acid (PFOS)	21.9	2.0	ng/L	18.5		118	70-130			
erfluorononanoic acid (PFNA)	25.0	2.0	ng/L	20.0		125	70-130			
erfluorohexanoic acid (PFHxA)	25.6	2.0	ng/L	20.0		128	70-130			
erfluorohexanesulfonic acid (PFHxS)	23.5	2.0	ng/L	18.2		129	70-130			
erfluoroheptanoic acid (PFHpA)	25.6	2.0	ng/L	20.0		128	70-130			
erfluorododecanoic acid (PFDoA)	24.8	2.0	ng/L	20.0		124	70-130			
erfluorodecanoic acid (PFDA)	25.6	2.0	ng/L	20.0		128	70-130			
erfluorobutanesulfonic acid (PFBS)	22.6	2.0	ng/L	17.7		128	70-130			
IEtFOSAA	25.9	2,0	ng/L	20.0		130	70-130			
IMEFOSAA	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

EPA 537 in Drinking Water

Perfluorooctanoic acid (PFOA)

ин,ич

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

100HL	Phone: 413-525-2332	Fax: 413-525-6405
	שבים 1	III

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

Doc # 381 Rev 1_03242017

39 Spruce Street East Longmeadow, MA 01028

THE FAX THE FAX 41	Fax: 413-525-6405		APATOS LA		and the second of the second s			ĭ	St Lutigor	dat Loriginedouw, was 01020		4
	Email: info@contestlabs.com		7-Day	10	10-Day		8	1 2			# of Containers	
Company AT C Comp Service	₩g Kul		Due Date:				†	エ			² Preservation Code	pde
Address: 73 William Franks Dr	WSpfld, MA		Research				0	> >			³ Container Code	6
Phone: (413) 781-0070			1-Day	3-	3-Day				ANALYSIS REQUESTED	ESTED		saldmes sien
Le cent Hountain	Rd, Westfield, HA		2-Day	4	4-Day	ìП					O Field Filtered	8
-	Rd Westfield, H	ИЯ	(1)	100	hon		7.53	(25)			O Lab to Filter	
Project Number: 183EH00170			Format: PDF	<u>≈</u>	EXCEL		7 K	upi				
Project Manager: Rob Smith			Other:				200	Hai				are Samples
Con-Test Quote Name/Number:			CLP Like Data Pkg Required:	g Requir	ed:		140	-ِ(د'			O Field Filtered	P8
Invoice Recipient:			Email To:				M	1'5	•		O Lab to Filter	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
Sampled By: Elizabeth O'Connor			Fax To #:				H	<i>H 1</i>				
Con-Test Chert Sorr	Chent Sample (0 / Description	11	Composite Composite		Abos dess	0900	17	Tota			Matrix Codes: GW = Ground Water	ies: d Water
1120 East H.	1720 East Hountain Rd-Hidd	نهإه}.	17:07		X DE	>	Х				WW - Waste Water DW - Drinking Water	Water ng Water
(170 East Hountain	37	11/6/9	21:1.1		× ∑	2	メ	×			A = Air	
1120 East f	1720 East Mountain Rd-2	5/9/17	17:13	<u> </u>	₹ ×	5	×				SL = Sludge SOL = Solid	
							., ,				O = Other (please	Jease
											(caure)	
											2 Preservation Codes:	ion Codes:
											H = HCL	
											N = Nitric Acid	Cid
											B = Sodium Bisulfate	Bisulfate
											T = Sodium	anwa na
Comments:	,	***************************************						sentasses Erstein as de mandre de mandre de			O = Other (please	olease
Run: 1720 East Mountain Rd-1 (EPA 537); Hold- As, Fe, Hardness, TOC.	PA 537) ; Hold- As	Fe, Ha	dness. Toc	~	Piea	se use the	followi with	lowing codes to indicate possible sam within the Conc Code column above:	te possibli column a	Please use the following codes to indicate possible sample concentration within the Conc Code column above:	define) TV12MA	8
Extract + Hold : 1720 tast Mountain Kd . ried blank + 1160 East Mountain Kd . ried	Street blank + 10	6 Cast	y or main way	Į.		H-Higt	1. M	H - High; M - Medium; L - Low; C - Clean; U - Unknown	C - Clean	i; U - Unknown	Container Codes	Codes:
Relinquished by: (signature)	Date/Time: 15/3 19/13	uomanan Mu	This testilizard	2	Specia	adeli Reguirenians MA MCP Required	enis Requi	www.		Andread Andread Advantage and Andread	G = Glass P = Plastic	
(Signature)	Date/Time:			-	MCP Certi	MCP Certification Form Required	ո ռեգս	red			SI = Sterile	
My Part 629117	1813					CT RCP Required	Requi	pau		クルノーフ	S = Summa Canister	Canister
7	Date/Time:				RCP Certi	RCP Cortification Form Required	m Requ	pour	Append 1	encontractions com	T = Tedlar Bag O = Other (please	
ceived by: (signature)	Date/Time:	11179		<u> </u>	# CISMA	MA State DW Required	Requir			The Act of the Alient MP (M.C. Assertation)	famian	anie i
O linquished by: (signature)	Date/Time:	Project Entity	ity		1				Other		100 FCB	
Ceived by: (signature)	Date/Time:		Federal City	 E	Municipanty 21 J Brownfield		School	OI WRIA		AIHA-LAP, LLC		Soxniet The Non Soxhlet Con Control Co

39 Spruce St.

East Longmeadow, MA. 01028

P: 413-525-2332 F: 413-525-6405



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

Receive	d By	RIF		Date	69	11_1	Time	1615	
	•	In Cooler		No Cooler		On Ice	T	No Ice	
ow were the		In Cooler			<u></u>		······································	- Melted Ice	
receive	ea r	Direct From	Sample 3	ampled =	imecka	Ambient	1/ 1/ 1/ 1/	ivielted ice	
Vere sampl	es within		By Gun#	<u>a</u>		Actual Temp		<u> </u>	
emperatur	e? 2-6°C	F	_By Blank # ຼ			Actual Temp	-	τ-	
	ustody Se	al Intact?		7	Were Sa	mples Tampe	erea with r	<u></u>	
Was C	OC Reling	uished?			Agree Wit	h Samples?		<u></u>	
Are ther	e broken/le	eaking/loose ca	os on any sa	mples?	`	المام المستعدد	ling time?	•	
COC in ink	/ Legible?				oles receive	ed within hold	Mamo?		
Did COC in		Client?		Analysis?		Sampler Collection Da		> _	
ertinent Info	rmation?	Project?		_ID's?	1	Collection Da	162) HH23:		
Are Sar	nple labels	filled out and le		T	\1/16a	a natified?	WA.		
	ere Lab to	Filters?	<u>_</u>			s notified?	<u> </u>		<u></u> .
Are there F		<u></u>		Who was r		<u> </u>			
e there Sho	ort Holds?	于		Who was r	notified?	<u> </u>		<u></u>	
Is the	e enough '	Volume?			MOMICES		, <u>, , , , , , , , , , , , , , , , , , </u>		. ,
is there	e Headspa	ce where applic	able?		MS/MSD?	ng samples r	- omirod?	T	
		iners Used?				_	equil eq :	<u>+</u>	
ere trip bla		\d?			On COC?	M 4			
0.0 ap 500	nks receive	7 4 (<u> </u>		'		Base 1	Δ	
Do All	Samples F	lave the proper		Acid T			Base (A	
Do All	Samples F	lave the proper		Acid	Plactic	8			
Do All	Samples F	lave the proper out aimers Liter Amb.		Acid \(\) 1 Liter P			16	oz Amb.	
Do All	Samples F	lave the proper containers 1 Liter Amb. 500 mL Amb.		Acid \(\) 1 Liter P 500 mL I	Plastic	B	16 8oz	oz Amb. Amb/Clear	
Do All als np- CL- eoh-	Samples F	ave the proper on ainer 1 Liter Amb. 500 mL Amb. 250 mL Amb.		Acid \\ 1 Liter P 500 mL I 250 mL I	Plastic Plastic	<i>C</i> /	16 8oz 4oz	oz Amb.	
Do All als np- CL- eoh- sulfate-	Samples F	on aine: 1 Liter Amb. 500 mL Amb. 250 mL Amb. Col./Bacteria		Acid T 1 Liter P 500 mL I 250 mL I Flashp	Plastic Plastic point	27	16 8oz 4oz 2oz	oz Amb. Amb/Clear Amb/Clear Amb/Clear	
Do All als np- CL- eoh- sulfate-	Samples F	1 Liter Amb. 500 mL Amb. 250 mL Amb. Col./Bacteria Other Plastic		Acid T 1 Liter P 500 mL I 250 mL I Flashp Other G	Plastic Plastic point Blass	4	16 8oz 4oz 2oz	oz Amb. Amb/Clear Amb/Clear	
Do All als np- CL- eoh- sulfate- iosulfate-	Samples F	1 Liter Amb. 500 mL Amb. 250 mL Amb. Col./Bacteria Other Plastic SOC Kit		Acid T 1 Liter P 500 mL I 250 mL I Flashp Other G Plastic	Plastic Plastic point Blass Bag		16 8oz 4oz 2oz	oz Amb. Amb/Clear Amb/Clear Amb/Clear	
Do All als pp- CL- eoh- sulfate- niosulfate-	Samples F	1 Liter Amb. 500 mL Amb. 250 mL Amb. Col./Bacteria Other Plastic		Acid T 1 Liter P 500 mL I 250 mL F Flashp Other G Plastic Ziplo	Plastic Plastic point Blass Bag ock	<i>L</i> /	16 8oz 4oz 2oz	oz Amb. Amb/Clear Amb/Clear Amb/Clear	
Do All als np- CL- eoh- sulfate- iosulfate-	Samples F	1 Liter Amb. 500 mL Amb. 250 mL Amb. Col./Bacteria Other Plastic SOC Kit		Acid T 1 Liter P 500 mL I 250 mL I Flashp Other G Plastic	Plastic Plastic point Blass Bag ock	<i>CJ</i>	16 8oz 4oz 2oz	oz Amb. Amb/Clear Amb/Clear Amb/Clear	
Do All als np- CL- eoh- sulfate- iosulfate- ulfuric-	Samples F	1 Liter Amb. 500 mL Amb. 250 mL Amb. Col./Bacteria Other Plastic SOC Kit		Acid T 1 Liter P 500 mL I 250 mL I Flashp Other G Plastic Ziplo	Plastic Plastic coint Glass Bag ck Media	4	16 8oz 4oz 2oz Frozen:	oz Amb. Amb/Clear Amb/Clear Amb/Clear Encore	
Do All als np- CL- eoh- sulfate- l- niosulfate- ulfuric-	Samples F	1 Liter Amb. 500 mL Amb. 250 mL Amb. Col./Bacteria Other Plastic SOC Kit Perchlorate		Acid T 1 Liter P 500 mL I 250 mL I Flashp Other G Plastic Ziplo Unused I	Plastic Plastic Coint Class Bag Cck Media		16 8oz 4oz 2oz Frozen:	oz Amb. Amb/Clear Amb/Clear Amb/Clear Encore	
Do All als np- CL- eoh- sulfate- iosulfate- ulfuric-	Samples F	1 Liter Amb. 500 mL Amb. 250 mL Amb. Col./Bacteria Other Plastic SOC Kit Perchlorate		Acid T 1 Liter P 500 mL F 250 mL F Flashp Other G Plastic Ziplo Unused 1 Liter F 500 mL	Plastic Plastic Coint Class Bag Cock Vedia Plastic Plastic	<i>L</i> /	16 8oz 4oz 2oz Frozen:	3 oz Amb. Amb/Clear Amb/Clear Amb/Clear Encore 3 oz Amb. Amb/Clear	***************************************
Do All als np- CL- eoh- sulfate- hiosulfate- ulfuric- Els np- CL-	Samples F	ave the proper Container 1 Liter Amb. 500 mL Amb. 250 mL Amb. Col./Bacteria Other Plastic SOC Kit Perchlorate Col./Bacteria Liter Amb.		Acid T 1 Liter P 500 mL I 250 mL I Flashp Other G Plastic Ziplo Unused 1 Liter F 500 mL 250 mL	Plastic Plastic Coint Class Bag Cock Media Plastic Plastic Plastic	<i>C</i> /	16 8oz 4oz 2oz Frozen:	3 oz Amb. Amb/Clear Amb/Clear Amb/Clear Encore 3 oz Amb. Amb/Clear Amb/Clear	
Do All als np- CL- eoh- isulfate- l- hiosulfate- ulfuric- las np- CL- leoh-	Samples F	ave the proper on aines 1 Liter Amb. 500 mL Amb. 250 mL Amb. Col./Bacteria Other Plastic SOC Kit Perchlorate Cultables 1 Liter Amb. 500 mL Amb.		Acid T 1 Liter P 500 mL I 250 mL I Flashp Other G Plastic Ziplo Unused I 1 Liter F 500 mL 250 mL Flashp	Plastic Plastic Coint Blass Bag Cock Media Plastic Plastic Plastic Coint	<i>CJ</i>	Frozen: 16 80z 40z 20z Frozen:	3 oz Amb. Amb/Clear Amb/Clear Encore 3 oz Amb. Amb/Clear Encore	
Do All als np- CL- eoh- sulfate- l- niosulfate- ulfuric- als np- CL- eoh- isulfate-	Samples F	ave the proper Containers 1 Liter Amb. 500 mL Amb. 250 mL Amb. Col./Bacteria Other Plastic SOC Kit Perchlorate Col./Bacteria 1 Liter Amb. 500 mL Amb. 250 mL Amb.		Acid T 1 Liter P 500 mL I 250 mL I Flashp Other G Plastic Ziplo Unused I 1 Liter F 500 mL 250 mL Flashp Other G	Plastic Plastic Plastic Doint Blass Bag Dock Vedia Plastic Plastic Plastic Doint Glass	<i>Cy</i>	Frozen: 16 80z 40z 20z Frozen:	3 oz Amb. Amb/Clear Amb/Clear Amb/Clear Encore 3 oz Amb. Amb/Clear Amb/Clear	3
Do All ais np- CL- eoh- isulfate- ulfuric- lais np- CL- leoh- isulfate- l- hiosulfate-	Samples F	ave the proper on ainer 1 Liter Amb. 500 mL Amb. 250 mL Amb. Col./Bacteria Other Plastic SOC Kit Perchlorate Col./Bacteria 1 Liter Amb. 500 mL Amb. 250 mL Amb. Col./Bacteria Other Plastic SOC Kit		Acid T 1 Liter P 500 mL F 250 mL F Flashp Other G Plastic Ziplo Unused S 1 Liter F 500 mL 250 mL Flashp Other G Plastic	Plastic Plastic Plastic Slass Bag Sck Plastic Plastic Plastic Plastic Slass Bag Slass Bag		Frozen: 16 80z 40z 20z Frozen:	3 oz Amb. Amb/Clear Amb/Clear Encore 3 oz Amb. Amb/Clear Encore	
Do All als np- CL- eoh- sulfate- l- niosulfate- ulfuric- els np- CL- leoh- isulfate- l-	Samples F	1 Liter Amb. 500 mL Amb. 250 mL Amb. Col./Bacteria Other Plastic SOC Kit Perchlorate Col./Bacteria 1 Liter Amb. 500 mL Amb. Col./Bacteria Other Plastic		Acid T 1 Liter P 500 mL I 250 mL I Flashp Other G Plastic Ziplo Unused I 1 Liter F 500 mL 250 mL Flashp Other G	Plastic Plastic Plastic Slass Bag Sck Plastic Plastic Plastic Plastic Slass Bag Slass Bag	<i>C</i> /	Frozen: 16 80z 40z 20z Frozen:	3 oz Amb. Amb/Clear Amb/Clear Encore 3 oz Amb. Amb/Clear Encore	



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.

Notice of Environmental Sampling 1545 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 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

V. To

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

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

Revised: 5/30/2014

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

A. The address of the disposal site related to	this Notice	and Release Tracking Number (provided above):						
Street Address: 175 Falcon Drive		·						
City/Town: Westfield	Zip Code:	01085						
B. This notice is being provided to the follow	ing party:							
Name: Robert & Faye Monczka	ROSSION	·						
2. Street Address: 1545 East Mountain Road								
City/Town: Westfield	Zip Code:	01085						
C. This notice is being given to inform its re	cipient (the	party listed in Section B):						
1. That environmental sampling will be/h	nas been con	ducted at property owned by the recipient of this notice.						
2. Of the results of environmental samp	lina conducte	ed 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 enviro	nmental sar	npling will be/has been conducted:						
Street Address: 1545 East Mountain Road								
	Zip Code:	01103						
MCP phase of work during which the samplir	•	s been conducted:						
✓ Immediate Response Action		e III Feasibility Evaluation						
Release Abatement Measure	—	se IV Remedy Implementation Plan se V/Remedy Operation Status						
☐ Utility-related Abatement Measure☐ Phase I Initial Site Investigation		Temporary Solution Operation, Maintenance and Monitoring						
☐ Phase II Comprehensive Site Assessmen	t 🗍 Othe	r (specify)						
Description of property where sampling will be	ne/has been o							
✓ residential □ commercial □								
		(specify)						
time of this notice.		, groundwater, indoor air, soil gas) to the extent known at the						
		ivate well located on the above-referenced						
property and analyzed for PFAS via EPA	A Method :	537.1.						
E. Contact information related to the party pr Contact Name: Department of Environmental		notice:						
Street Address: 436 Dwight Street	. 101000011							
City/Town: Springfield	Zip Code:	01103						
Telephone: (413) 755-2221	•	avid.bachand.jr@state.ma.us						



Massachusetts Department of Environmental Protection Bureau of Waste Site Cleanup

BWSC123

This Notice is Related to: Release Tracking Number

1 -

20093

NOTICE OF ENVIRONMENTAL SAMPLING

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.

Revised: 5/30/2014 Page 2 of 2



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

Keny K. Mille

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

Sample Summary	3
Case Narrative	4
Sample Results	5
17F0798-01	5
Sample Preparation Information	6
QC Data	7
Miscellaneous Organic Analyses	7
B179482	7
Flag/Qualifier Summary	8
Certifications	9
Chain of Custody/Sample Receipt	10



ANALYTICAL SUMMARY

ATC Group Services LLC - West Springfield

73 Williams Franks Drive West Springfield, MA 01089 ATTN: Rob Smith

PURCHASE ORDER NUMBER:

REPORT DATE: 6/20/2017

PROJECT NUMBER:

WORK ORDER NUMBER:

183EM00170

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 & 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.

Ted E. Kopyscinski Laboratory Director



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										
			Misc	ellaneous Org	anic Analys	es				
		N	ICL/SMCL					Date	Date/Time	
Analyte	Results	RL !	MA ORSG	Units	Dilution	Flag/Qual	Method	Prepared	Analyzed	Analyst
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	i		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		% Recov	very Re	covery 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	



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	
<u></u>					



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
Satch B179482 - EPA 537										
tlank (B179482-BLK1)				Prepared: 06	5/17/17 Anal	yzed: 06/18/	17			
erfluoroundecanoic acid (PFUnA)	ND	2.0	ng/L							
erfluorotridecanoic acid (PFTrDA)	ND	2.0	ng/L							
erfluorotetradecanoic acid (PFTA)	ND	2.0	ng/L							
erfluorocctanoic acid (PFOA)	ND	2.0	ng/L							
erfluorooctanesulfonic acid (PFOS)	ND	2.0	ng/L							
erfluorononanoie acid (PFNA)	ND	2.0	ng/L							
rfluorohexanoic acid (PFHxA)	ND	2.0	ng/L							
erfluorohexanesulfonic acid (PFHxS)	ND	2.0	ng/L							
rfluoroheptanoic acid (PFHpA)	ND	2.0	ng/L							
erfluorododecanoic acid (PFDoA)	ND	2.0	ng/L							
erfluorodecanoic acid (PFDA)	ND	2,0	ng/L							
erfluorobutanesulfonic acid (PFBS)	ND	2.0	ng/L							
EtFOSAA	ND	2.0	ng/L							
MeFOSAA	ND	2,0	ng/L							
nrogate: 13C-PFHxA	48.0		ng/L	40.0		120	70-130			
urrogate: 13C-PFDA	49.3		ng/L	40.0		123	70-130			
urogate: d5-NEtFOSAA	197		ng/L	160		123	70-130			
LCS (B179482-BS1) Prepared: 06/17					5/17/17 Anal	yzed: 06/18/	17			
erfluoroundecanoic acid (PFUnA)	- 3.11	2.0	ng/L	2.00		155 *	50-150			L-01
erfluorotridecanoic acid (PFTrDA)	2.71	2.0	ng/L	2.00		135	50-150			
erfluorotetradecanoic acid (PFTA)	2.67	2.0	ng/L	2.00		134	50-150			
erfluorooctanoic acid (PFOA)	2,94	2.0	ng/L	2.00		147	50-150			
erfluorooctanesulfonic acid (PFOS)	2.67	2.0	ng/L	1,85		145	50-150			
erfluorononanoic acid (PFNA)	2,58	2.0	ng/L	2.00		129	50-150			
erfluorohexanoic acid (PFHxA)	3,36	2.0	ng/L	2.00		168 *	50-150			L-05
erfluorohexanesulfonic acid (PFHxS)	2,56	2.0	ng/L	1.82		140	50-150			-
erfluoroheptanoic acid (PFHpA)	2.96	2.0	ng/L	2.00		148	50-150			
erfluorododecanoic acid (PFDoA)	2.64	2.0	ng/L	2.00		132	50-150			
erfluorodecanoic acid (PFDA)	2.71	2.0	ng/L	2.00		135	50-150			
erfluorobutanesulfonic acid (PFBS)	2.38	2.0	ng/L	1.77		135	50-150			
EiFOSAA	2.95	2.0	ng/L	2.00		147	50-150			
MeFOSAA	2,56	2.0	ng/L	2.00		128	50-150			
иггоgate: 13C-PFHxA	51.1		ng/L	40.0		128	70-130			
urrogate: 13C-PFDA	51.8		ng/L	40.0		129	70-130			
urrogate: 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

EPA 537 in Drinking Water

Perfluorooctanoic acid (PFOA)

NH,NY

Perfluorooctanesulfonic acid (PFOS)

NH,NY

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

Code	Description	Number	Expires
AIHA	AIHA-LAP, LLC - ISO17025:2005	100033	02/1/2018
MA .	Massachusetts DEP	M-MA100	06/30/2018
СТ	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

² Preservation Codes: X = Sodium Hydroxide DW = Drinking Water B = Sodium Bisulfate GW = Ground Water WW = Waste Water S = Summa Canister Page __1 __ of ___1__ ³ Container Codes: O = Other (please O = Other (please O = Other (please Non Saxhlet S = Sulfuric Acid A = Amber Glass PCB ONLY M = Methanol N = Nitric Acid Soxhlet ² Preservation Code Matrix Codes: = Tedlar Bag O Field Filtered O Field Filtered O Lab to Filter Lab to Filter ST = Sterile V = Vial Container Code SL = Studge SOL = Solid .≖ Sodium Phiosulfate TRIZMA G = Glass P = Plastic # of Container define) A = AirS = Soildefine) 모= = [ced define) 0 Please use the following codes to indicate possible sample concentration COP-KST IN INCIACIONALINA LI ARMITTO ACCIPATIONE www.contestishs.com Chromatogram AIHA-LAP, LLC East Longmeadow, MA 01028 H. High; M. Medium; L. Low; C. Clean; U. Unknown ANALYSIS REQUESTED within the Conc Code column above: 39 Spruce Street Other Doc # 381 Rev 1_03242017 WRTA I MA MCP Required MCP Certification Form Required CT RCP Required RCP Certification Form Required z Δ TOTAL AS, Fe, HARDNESS, TOC School MA State DW Required MBTA Special Requirements 0 α. × × × EPA METHOD 537. 2 8 8 8 \Rightarrow :> http://www.contestlabs.com CHAIN OF CUSTODY RECORD o Matrix ₹ ձ ⋛ Municipality Brownfield PWSID # 10-Day 3-Day 딦 4-Day CLP Like Data Pkg Required: 21 J × × Composite Due Date: 5-day TAT ED 높 Government
Federal
City EXTRACT & HOLD EPA Method 537: 1545 East Mountain Rd-field blank & 1545 East Mountain Rd-2 Ending Date/Time 9.5b Email To: 2,23 9:57 Format: Fax To #: Other: 1-Day 2-Day Project Entity 6/14/2017 6/14/2017 6/14/2017 73 William Franks Drive, West Springfield, MA 7150798 Email: info@contestlabs.com 1810 8,0 1545 East Mountain Rd - field blank 1545 East Mountain Rd, Westfield 1545 East Mountain Rd, Westfield Clent Sample D.// Description Phone: 413-525-2332 Fax: 413-525-6405 GKV/1-7. Date/Time: Date/Time: Date/Time: Date/Time: Date/Time: D M O 1545 East Mountain Rd - 2 1545 East Mountain Rd - 1 ATC Group Services Elizabeth O'Connor (413) 781-0070 RUN EPA Method 537: 1545 East Mountain Rd-1 183EM00170 کر ح Rob Smith Con-Test Quote Name/Number: CON-test HOLD As, Fe, Hardness, TOC Relinguished by: (signature) Relinquished by: (signature) (signature) cei/ed by: (d)gnature) Received by: (signature) Received by: (signature) Work Order# Con-Test Company Names Invoice Recipient: Project Location: Project Manager: Project Number: sampled By: Address: ?hone; Page 10 of 11 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 Receive		PB		Date	6.14.		Time	18:10	
How were th	•	In Cooler		No Cooler		~ 1		No Ice	
receiv	•			110 000101	<u> </u>	•		-	
		Direct From	-		***	Ambient	41.0.	Melted Ice	
Were samp			By Gun #		-	Actual Temp			
Temperatur		T	By Blank #		- 141000 800	Actual Temp mples Tampe		her.	
	Custody Se				-	inples rampe h Samples?		_F	· · · · · · · · · · · · · · · · · · ·
	COC Relind	luisneu <i>:</i> eaking/loose cal	<u></u>		•	n samples :	1		
Are the Is COC in in			os on any sa	More can	F noles receiv	ed within hold	ing time?		,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,
Did COC ir		Client?		Analysis?	T	Sampler			
pertinent Inf		Project?		ID's?		Collection D		, 	
•		filled out and le	aible?			Collection	<u>undor i minoco</u>	·	
	here Lab to		F		Who wa	s notified?	······································		
Are there F		t moro.	<u>r</u>	Who was	•	io manifesti		***************************************	······································
Are there Sh				Who was				*	
	re enough	Volume?	7						
		ce where applic	able?	NA	MS/MSD?	A/A		······································	
		iners Used?	T	17.17		mples require	(F	······································	
Were TB's re		F			On COC?				
		ave the proper	pH?	Acid	T-		Base		
Vials	#	Containers:	#			#			4
Unp-		1 Liter Amb.		1 Liter	Plastic		16	oz Amb.	
HCL-	2	500 mL Amb.		500 mL	Plastic			Amb/Clear	
Meoh-		250 mL Amb.		250 mL		2		Amb/Clear	
Bisulfate-		Col./Bacteria		Flash				Amb/Clear	
DI-		Other Plastic		Other				Encore	<u></u>
Thiosulfate-		SOC Kit		Plastic			Frozen:		
Sulfuric-		Perchlorate		Ziplo	ock				Allegan and Control of the Control o
				Unused	Media				11
Vials		Fontainers	#			#			t e
Unp-		1 Liter Amb.		1 Liter				oz Amb.	
HCL-		500 mL Amb.		500 mL				Amb/Clear	
Meoh-		250 mL Amb.		250 mL				Amb/Clear	ļ.,
3isulfate-		Col./Bacteria		Flash				Amb/Clear	
DI-		Other Plastic		Other				Encore	<u> </u>
Thiosulfate-		SOC Kit		Plastic			Frozen:		
Sulfuric-		Perchlorate		Ziple	ock				
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.

Notice of Environmental Sampling 1331 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 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

V. The

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

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



Massachusetts Department of Environmental Protection Bureau of Waste Site Cleanup

BWSC123

This Notice is Related to: Release Tracking Number

1	-	20093
---	---	-------

NOTICE OF ENVIRONMENTAL SAMPLING

As required by 310 CMR 40.1403	3(10) of the M	lassachusetts Contingency P	lan [20030
A. The address of the disposal site related to	this Notice	and Release Tracking N	lumber (provided above):
Street Address: 175 Falcon Drive			
City/Town: Westfield	Zip Code:	01085	
B. This notice is being provided to the follow	ing party:		
1. Name: Joanne Drozdowski			•
2. Street Address: 1331 East Mountain Road			
City/Town: Westfield	Zip Code:	01085	1
C. This notice is being given to inform its rec 1. That environmental sampling will be/ha 2. Of the results of environmental sampli 3. Check to indicate if the analytical results environmental sampling must be attached.	as been con ing conducte ults are attac	ed at property owned by the ched. (If item 2. above is continued by the ched.	by the recipient of this notice.
D. Location of the property where the environ 1. Street Address: 1331 East Mountain Road City/Tayran Westfield		npling will be/has been o	conducted:
•	Zip Code:		
 MCP phase of work during which the sampling Immediate Response Action Release Abatement Measure Utility-related Abatement Measure Phase I Initial Site Investigation Phase II Comprehensive Site Assessment 	☐ Phas☐ Phas☐ Phas☐ Phas☐ Post-	e III Feasibility Evaluation e IV Remedy Implementa e V/Remedy Operation St Temporary Solution Oper	
3. Description of property where sampling will be	e/has been (conducted:	
Description of the sampling locations and type	industrial es (e.g., soil	school/playground	Other(specify) soil gas) to the extent known at the
time of this notice.			h h
A drinking water sample was collected fr property and analyzed for PFAS via EPA	•		ne above-referenced
E. Contact information related to the party pro	=	notice:	
Contact Name: Department of Environmental F	Protection		
Street Address: 436 Dwight Street		04400	
City/Town: Springfield	Zip Code:	01103	
Telephone: (413) 755-2221	•	avid.bachand.jr@state.ma	LIE



Massachusetts Department of Environmental Protection Bureau of Waste Site Cleanup

BWSC123

This Notice is Related to: Release Tracking Number

1

20093

NOTICE OF ENVIRONMENTAL SAMPLING

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://mass.gov/eea/agencies/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.

Revised: 5/30/2014 Page 2 of 2



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

Keny K. Mille

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

Sample Summary	3
Case Narrative	4
Sample Results	5
17F0519-01	5
Sample Preparation Information	6
QC Data	7
Miscellaneous Organic Analyses	7
B179101	7
Flag/Qualifier Summary	8
Certifications	9
Chain of Custody/Sample Receipt	10



ATC Group Services LLC - West Springfield 73 Williams Franks Drive

West Springfield, MA 01089
ATTN: Rob Smith

PURCHASE ORDER NUMBER;

REPORT DATE: 6/20/2017

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 & 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.

Tod E. Kopyscinski Laboratory Director



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

			Miscellan	eous O	rganic Analyse	28				
		M	ICL/SMCL		-			Date	Date/Time	
Analyte	Results	RL N	IA ORSG U	ıits	Dilution	Flag/Qual	Method	Prepared	Analyzed	Analys
Perfluoroundecanoic acid (PFUnA)	ND	2.0	ng	y/L	1		EPA 537	6/13/17	6/18/17 20:39	BLM
Perfluorotridecanoic acid (PFTrDA)	ND	2.0	nį	z/L	. 1		EPA 537	6/13/17	6/18/17 20:39	BLM
Perfluorotetradecanoic acid (PFTA)	ND	2.0	ng	z/L	1		EPA 537	6/13/17	6/18/17 20:39	BLM
Perfluorooctanoic acid (PFOA)	2.4	2.0	nį	g/L	Í		EPA 537	6/13/17	6/18/17 20:39	BLM
Perfluorooctanesulfonic acid (PFOS)	ND	2.0	. nį	y/L	1		EPA 537	6/13/17	6/18/17 20:39	BLM
Perfluorononanoic acid (PFNA)	ND	2.0	ng	y/L	1		EPA 537	6/13/17	6/18/17 20:39	BLM
Perfluorohexanoic acid (PFHxA)	3.0	2.0	n	g/L	1		EPA 537	6/13/17	6/18/17 20:39	BLM
Perfluorohexanesulfonic acid (PFHxS)	4.0	2.0	nj	₂ /L	1		EPA 537	6/13/17	6/18/17 20:39	BLM
Perfluoroheptanoic acid (PFHpA)	ND	2.0	nį	g/L	1.		EPA 537	6/13/17	6/18/17 20:39	BLM
Perfluorododecanoic acid (PFDoA)	ND	2.0	n	2/L	1		EPA 537	6/13/17	6/18/17 20:39	BLM
Perfluorodecanoic acid (PFDA)	ND	2,0	n	g/L	1 -		EPA 537	6/13/17	6/18/17 20:39	BLM
Perfluorobutanesulfonic acid (PFBS)	ND	2.0	n	g/L	1		EPA 537	6/13/17	6/18/17 20:39	BLM
NEtFOSAA	ND	2.0	n	g/L	1		EPA 537	6/13/17	6/18/17 20:39	BLM
NMeFOSAA	ND	2.0	n	g/L	1		EPA 537	6/13/17	6/18/17 20:39	BLM
Perfluoropentanoic acid (PFPeA)	ND	2.0	n	g/L	1		EPA 537	6/13/17	6/18/17 20:39	BLM
Surrogates		% Recov	ery Recover	y Lim	its	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	



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	
<u> </u>				`	



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

Miscellaneous Organic Analyses - Quality Control

		Reporting	TT 12	Spike	Source	0/BEC	%REC	RPD	RPD Limit	Notes
Analyte	Result	Limit	Units	Level	Result	%REC	Limits	KPD	Limit	Indies
atch B179101 - EPA 537										
Blank (B179101-BLK1)				Prepared: 00	5/13/17 Anal	yzed: 06/19/1	17			
Perfluoroundecanoic acid (PFUnA)	ND	2.0	ng/L							
Perfluorotridecanoic acid (PFTrDA)	ND	2.0	ng/L							
erfluorotetradecanoic acid (PFTA)	ND	2.0	ng/L							
erfluorooctanoic acid (PFOA)	ND	2.0	ng/L							
erfluorooctanesulfonic acid (PFOS)	ND	2.0	ng/L							
erfluorononanoic acid (PFNA)	ND	2.0	ng/L							
erfluorohexanoic acid (PFHxA)	ND	2.0	ng/L							
erfluorohexanesulfonic acid (PFHxS)	ND	2.0	ng/L							
erfluoroheptanoic acid (PFHpA)	ND	2.0	ng/L							
erfluorododecanoic acid (PFDoA)	ND	2.0	ng/L							
erfluorodecanoic acid (PFDA)	ND	2.0	ng/L							
erfluorobutanesulfonic acid (PFBS)	ND	2.0	ng/L							
EtFOSAA	ND	2.0	ng/L			•				
McFOSAA	ND	2.0	ng/L							
urrogate: 13C-PFHxA	37.0		ng/L	40.0		92.4	70-130			
urrogate: 13C-PFDA	37.2		ng/L	40.0		93.0	70-130			
urrogate: d5-NEtFOSAA	156		ng/L	160		97.4	70-130			
.CS (B179101-BS1)				Prepared: 0	6/13/17 Anal	yzed: 06/18/	17			
Perfluoroundecanoic acid (PFUnA)	26,2	2.0	ng/L	20.0		131 *	70-130			L-01
erfluorotridecanoic acid (PFTrDA)	25,4	2.0	ng/L	20.0		127	70-130			
erfluorotetradecanoic acid (PFTA)	25,1	2.0	ng/L	20.0		125	70-130			
erfluorooctanoic acid (PFOA)	25.6	2.0	ng/L	20.0		128	70-130			
erfluorooctanesulfonic acid (PFOS)	21.9	2.0	ng/L	18.5		118	70-130			
erfluorononanoic acid (PFNA)	25,0	2.0	ng/L	20.0		125	70-130			
erfluorohexanoic acid (PFHxA)	25.6	2.0	ng/L	20.0		128	70-130			
erfluorohexanesulfonic acid (PFHxS)	23,5	2.0	ng/L	18.2		129	70-130			
erfluoroheptanoic 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			
erfluorodecanoic 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			
JEtFOSAA	25.9	2.0	ng/L	20.0	٠	130	70-130			
MeFOSAA	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
urrogate: 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



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

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

EPA 537 in Drinking Water

Analyte

Certifications

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

2 Preservation Codes: X = Sodium Hydroxide B = Sodium Bisulfate DW = Drinking Water S = Summa Canister GW = Ground Water WW = Waste Water ³ Container Codes A = Amber Glass
G = Glass O = Other (please 0 = Other (please O = Other (please Non Soxhlet S = Sulfuric Acid PCB ONLY = Sodium Soxhlet Matrix Codes: N = Nitric Acid # Tedlar Bag Preservation Code O Field Filtered trizma O Field Fiftered M = Methanol O Lab to Filter O Lab to Filter ST = Sterile ō A = All S = Soil SL = Sludge SOL = Solid P = Plastic Container Code define) Thiosulfate V = Vial # of Containers define) = Iced H= HCL define) A = A Please use the following codes to indicate possible sample concentration con-test. wrever.combeachabal.com Chromatogram AIHA-LAP, LLC 39 Spruce Street East Longmeadow, MA 01028 H - High; M - Medium; L - Low; C - Clean; U - Unknown ANALYSIS REQUESTED within the Conc Code column above Other Doc # 381 Rev 1_03242017 ☐ WRTA T MCP Cartification Form Required CT RCP Required RCP Certification Form Required 2 Hardness, TOC 511 12/01 MA MCP Required MWRA School MA State DW Required MBTA Special Requirements 0 Hethod 447 × 1.89 ď X X \$ 8 8 8 **"** \supset \supset http://www.contestlabs.com CHAIN OF CUSTODY RECORD 3 3 3 Municipality Brownfield # OKSMd 10-Day 3-Day 4-Day EXCEL CLP Like Data Pkg Required: Х メ × Ron: 1331 East Hountain Rd-1 (EPAS37); Hold-As, Fe, Hardness, TOC Extract + Hold: 1331 East Hantain Bd. Reld blank + 1331 East Hountain Rd-2 껉 Government T: Sa 1.13 天:五 Due Date: Email To: ormat; Fax To# Federal 12-Day Other: 7-Day 1-Day City Project Entity <u>--</u> 619/17 6 4 17 КΆ Z Phone: 413-525-2332 Westfield Email: info@contestlabs.com 13 william Franks Dr WSpfld HA 1873 1331 East Hountain Rd. Field Mountain Rd. Westfield. 1331 East Mountain Rd-2 1331 East Hountain Rd - 1 Fax: 413-525-6405 1817 Date/Time: Date/Time: Date/Time: Date/Time: Date/Time: Jate/Time: 11/6/9 East Mountain Rd Contracting ATT STOUP Services Client Sample Occordor 11611. PORNA 183EM00/10 Rob Smith 9 781-0070 Con-Test Quote Name/Number: Elizabeth CON-ESK" linquished by: (signature) inquished by: (signature) Relinquished by: (signature) Project Location: 1331 Received by: (signature) ceived by: (signature) ceived by: (signature) Work Order# Con-Test Project Manager: invoice Recipient: <u>43</u>3 Project Number: Sampled By: Comments Address: Phone: 10 of 11 Page

Table of Contents

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

	ATC 1	will be brought	to the atter	ntion of the	Client - Sta	ate True or Fa	alse		
Client Receive	ed By	RE		Date	(o C	11/7	Time	1813	
How were the	e samples	In Cooler	T	No Cooler		On Ice		. No Ice	<u></u>
receive	ed?	Direct From	Sample 5	iomplect =	sameda	← Ambient		Melted Ice	
Were samp	les within		By Gun #	<u> </u>		Actual Lemp		<u>. </u>	
Temperatur		<u> </u>	By Blank #		- -	Actual Temp	-		
	Custody Sea			<u> </u>	Were Sa	imples lampe	erea willis	Ţ.	
Was C	OC Reling	uished?			n Agree Wil	th Samples?			. <u> </u>
		aking/loose car	s on any sa	imples?	+	Juithin hold	ling time?	.,	
					ipies receiv	ed within hold Sampler	Mama?		
Did COC in		Client?		Analysis?	<u> </u>	Collection Da		<u> </u>	
pertinent Info	ormation?	Project?		ID's?		Collection De	(69) HHICS :		······································
		filled out and le			Mhann	as notified?	M		
	nere Lab to	Filters?			-	as nonneu :		 	
Are there F		<u> </u>		Who was					<u></u>
Are there Sh	ort Holds?	<u> </u>		Who was	nounear		,		
Is the	re enough '	Volume?	1		MS/MSD?	1.0			
Is there	e Headspa	ce where applic	able?			ing samples r	enuired?	-	.,
		iners Used?			On COC?		oquii ou i		
Were trip bla	nks receive	ed?	T	Acid T	_011000:	101,	Base L	A	
		lave the proper	hu i	Acid (
vals		Centainers		1 Liter	Plastic		16	oz Amb.	
Unp-		1 Liter Amb.		500 mL			I	Amb/Clear	
HCL-		500 mL Amb.		250 mL		4	4oz	Amb/Clear	
Meoh-	.,,	250 mL Amb. Col./Bacteria		Flash		<u> </u>	2oz	Amb/Clear	
Bisulfate-		Other Plastic		Other		 		Encore	
DI-	 	SOC Kit	<u> </u>	Plasti			Frozen:		
Thiosulfate-		Perchlorate		<u> </u>	ock		1		
Sulfuric-		r el cillorate	Availate a se						
				- Unuseil	Villerie				
		Cintaines.	#				16	oz Amb.	
Unp-		1 Liter Amb.		1	Plastic	 		Amb/Clear	+
HCL-		500 mL Amb.			. Plastic	 		Amb/Clear	
Meoh-	· · · · · · · · · · · · · · · · · · ·	250 mL Amb.			Plastic			Amb/Clear	
Bisulfate-		Col./Bacteria	ļ.,		point			Encore	
DI-		Other Plastic			Glass c Bag		Frozen:	Errodro	
Thiosulfate-		SOC Kit			lock		-11,02011		
Sulfuric-		Perchlorate			IOCK				
Comments:								<u> </u>	
						•			



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.

Notice of Environmental Sampling 1557 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 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

V. Tor

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

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



Massachusetts Department of Environmental Protection Bureau of Waste Site Cleanup

BWSC123

This Notice is Related to: Release Tracking Number

1	_	20093

NOTICE OF ENVIRONMENTAL SAMPLING

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

A. The address of the disposal site related to t	this Notice	and Release Tracking Number (provided above):
Street Address: 175 Falcon Drive		
City/Town: Westfield	Zip Code:	01085
B. This notice is being provided to the following	ng party:	
Name: Edward & Suzanne Gallop		
2. Street Address: 1557 East Mountain Road		
City/Town: Westfield 2	Zip Code:	01085
C. This notice is being given to inform its reci	pient (the p	party listed in Section B):
1. That environmental sampling will be/ha	s been con	ducted at property owned by the recipient of this notice.
2. Of the results of environmental sampling	ng conducte	d at property owned by the recipient of this notice.
3. Check to indicate if the analytical resurthe environmental sampling must be attached		hed. (If item 2. above is checked, the analytical results from notice.)
D. Location of the property where the environ	mental san	npling will be/has been conducted:
Street Address: 1557 East Mountain Road	r i me	
City/Town: Westfield 2	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	e III Feasibility Evaluation e IV Remedy Implementation Plan e V/Remedy Operation Status Temporary Solution Operation, Maintenance and Monitoring (specify)
3. Description of property where sampling will be	/has been o	conducted:
✓ residential	ndustrial	school/playground Other (specify)
4. Description of the sampling locations and type time of this notice.	s (e.g., soil,	groundwater, indoor air, soil gas) to the extent known at the
A drinking water sample was collected from property and analyzed for PFAS via EPA		vate well located on the above-referenced 337.1.
E. Contact information related to the party prov	viding this	notice:
Contact Name: Department of Environmental Pr	rotection	
Street Address: 436 Dwight Street		
City/Town: Springfield	Zip Code:	01103
Telephone: (413) 755-2221	Email: Da	avid.bachand.jr@state.ma.us



Massachusetts Department of Environmental Protection Bureau of Waste Site Cleanup

BWSC123

This Notice is Related to: Release Tracking Number

1

20093

NOTICE OF ENVIRONMENTAL SAMPLING

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.

Revised: 5/30/2014 Page 2 of 2



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

Keny K. Mille

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

Sample Summary	3
Case Narrative	4
Sample Results	5
17F0799-01	5
Sample Preparation Information	6
QC Data	7
Miscellaneous Organic Analyses	7
B179482	7
Flag/Qualifier Summary	8
Certifications	9
Chain of Custody/Sample Receipt	10



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

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#

ATTN: Rob Smith

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 & 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.

Ted E. Kopyscinski Laboratory Director

Work Order: 17F0799



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

Project Location: 1557 East Mountain Rd., Westfie

Date Received: 6/14/2017

Field Sample #: 1557 East Mountain Rd. - 1

Sample Description:

Sampled: 6/14/2017 17:22

Sample ID: 17F0799-01

d5-NEtFOSAA

Samole Matrix: Drinking Water			Misc	ellaneous Org	ganic Analys	es				
Analyte	Results	=	MCL/SMCL MA ORSG	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
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	ı		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		% Reco	very Re	covery Limits	S	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	



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

		Reporting		Spike	Source	ACREC	%REC	D PD	RPD	N-4
Analyte	Result	Limit	Units	Level	Result	%REC	Limits	RPD	Limit	Notes
Batch B179482 - EPA 537	······									
Blank (B179482-BLK1)				Prepared: 06	5/17/17 Anal	yzed: 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: 00	5/17/17 Anal	yzed: 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 acíd (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			



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

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

EPA 537 in Drinking Water

Perfluorooctanoic acid (PFOA)

NH,NY

Perfluorooctanesulfonic acid (PFOS)

NH,NY

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

Code	Description	Number	Expires
AIHA	AIHA-LAP, LLC - ISO17025:2005	100033	02/1/2018
MA	Massachusetts DEP	M-MA100	06/30/2018
CT	Connecticut Department of Publile 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	Fiorida 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

	のブラー・	σ	http://www.contestlabs.com	W.contes	tlabs.con	~ 1	Doc # 381 Rev 1_03242017	31 Rev	03242	317 30 Spring			
NALYTICAL LABORATORY	Phone: 413-525-2332 Fax: 413-525-6405	_	CHAIN OF CUSTODY KELOKD	AUDIOU.	KELUKU	STATE STATE OF THE				East Longmeador	est Longmeadow, MA 01028	Pag	Page1 of1
	Email: info@contestlabs.com		7-Day	10-Day	10-Day		3 1	1 2		-		#O#	# of Containers
Сэтрату Лател	NATC Group Services		Due Date: 5-day TAT	AT			├	z		-		2 Pre	² Preservation Code
	73 William Franks Drive, West Springfield, MA	eld, MA	RishAp	unidea necond	paning.		Δ.	>		-		5	³ Container Code
	(413) 781-0070		1-Day	3-Day			·		ANALY	SIS REC	ANALYSIS REQUESTED	6	是自然是 如此是如此是如此是
110	1557 East Mountain Rd, Westfield		2-Day	4-Day			JOT	201				0	O Field Filtered
Project Location:	1557 East Mountain Rd, Westfield		Pel					· ·····				0	Lab to Filter
Project Number:	183EM00170		Format: PDF ⊡	EXCE									
	Rob Smith		Other:				HOD	,					The state of the s
Con-Test Quote Name/Number:			CLP Like Data Pkg Required:	Required				. (-				C	Tion This to the test of the t
Invoice Recipient:			Email To:									0 0	O Tak to Filter
	Elizabeth O'Connor		Fax To #:										
Con-Test Work Order#	Ctent sample ID / Description	Beginning Date/Time	Ending Composite	te Grab	Matrix Code	Comc	(101					785	Matrix Codes:
	1557 East Mountain Rd - field blank	6/14/2017	17:10	×	MΩ	n	×			-			WW = Waste Water
10	1557 East Mountain Rd - 1	6/14/2017	17:22	×	ΜO	ח	×						A # Air
	1557 East Mountain Rd - 2	6/14/2017	17:23	×	MQ	ם	×	ļ					SL = Sludge
								ļ					SUL = Solid O = Other (please
		,					-	-		-			deffine)
				 			lacksquare			ļ			2 Preservation Codes:
				ļ			<u> </u>	<u> </u>		-			H=HCL
								_	ļ				M = Methanol N = Nitric Acid
							ļ			-			S = Sulfuric Acid B = Sodium Bisulfate
								-					X Sodium Hydroxide
Comments: RUN EPA Method 537: 1557 East Mountain Rd-1	Mountain Rd-1				Please	use the f	ollowing	Codes	to indic	ate possi	Please use the following codes to indicate possible sample concentration		Thiosulfate O = Other (please
HOLD EPA Method 53;	EXTRACT & HOLD EPA Method 537: 1557 East Mountain Rd-field blank	£ 1557 East	1557 East Mountain Rd-2				withir	the Co	nc Cod	within the Conc Code column above:	above:		define)
nocu As, re, naraness, 100				İ		H-High	3 M - Me	dium;	L - Low;	C-Cle	H - High; M - Medium; L - Low; C - Clean; U - Unknown		Container Codes:
Relinquished by: (signature)	OX M A CHI 19 18/0	Terescrib:	Submerturen in		Special R	Spadral Registrements MA MCP Required	ants Require	or each					A = Almoer Grass G = Glass P = Plastic
(signature)	Dafe/Time:) ×	P Certific	MCP Certification Form Required	n Require	ाहा इं		Č			ST = Sterile V = Vial
Relinquished by: (signature)	Je:	is:			P Certific	J CT RCP Required RCP Certification Form Required	Require Require	च्या चित्र	Ë	1 × ×	ANALYTICAL LABORATORY		S = Summa Canister T = Tedlar Bag
Received by: (signature)	Date/Time:				, VW	MA Crate NW Boards	The state of	· T					O = Other (please
			- Parker Control	# GISMA	1	מומדה דינו	na linha			MA Pu	NELYCARRY WHE ARE ME AGREGITED		
Relinquished by: (signature)	Date/Time:	Project Entity	ity Government	Munic	Municipalíty		MWRA		WRTA	Other	r Chromatoeram		PCB ONLY
Received by: (signature)	Date/Time:		Federal City	21 J Brownfield	ffeld		School				☐ AIHA-LAP,LLC		ž
						1		ļ		-			

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 St	atement
will be brought to the attention of the Client - State True or False	

ATC						T	19.15	
ed By	PB		Date	6.14.1		ime		
e samples	In Cooler		No Cooler		On Ice		No Ice	
red?	Direct From	Sample			Ambient		Melted Ice	
les within			Ŋ	•	Actual Temp	- 4.8	-	
	T			-	Actual Temp			
				Were Sa	mples Tampe	red with?	F	
COC Reling			Does Chai	n Agree Wit	h Samples?			
re broken/le	aking/loose car	s on any sa	mples?	E				
k/ Legible?	<u>T</u>			•			_T	
nclude all	Client?							
	-		ID's?	T	Collection Da	ates/Times'	<u>' T </u>	
		-	<u> T</u>					
	Filters?	<u> </u>		+	s notified?			
								
			Who was	notified?				····
		T		MCMCDO			,	
		able?	<i>N</i> B			<u></u>		
	iners Used?							,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,
	ave the proper	nH2	Acid	_OII COCI	_ Nr	Base		
			Adia	<u>, y</u>			· ·	
			1 Liter	Plastic		16		
\sim								
<i></i>					5			
		 						
						Frozen:		************
	Perchlorate							
	a contract	volvej dog od Sagre	Unused	Media				
4	Cantainers	er i			#		1	
			1 Liter	Plastic		16	oz Amb.	
						40z /	Amb/Clear	
			Flash	point		2oz /	Amb/Clear	
						E	Encore	
	SOC Kit		Plasti	c Bag		Frozen:		
	Perchlorate		Zipl	ock				
	ed By ne samples yed? ples within re? 2-6°C Custody Sec COC Relinq re broken/le k/ Legible? nclude all formation? mple labels here Lab to Rushes? nort Holds? re enough re Headspace fedia/Conta received? Samples H	ne samples In Cooler /ed? Direct From Direct? COC Relinquished ? The broken/leaking/loose cape k/ Legible? The clude all Client? The Direct From Direct? The broken/leaking/loose cape k/ Legible? The clude all Client? The Direct From Direct? The broken/leaking/loose cape k/ Legible? The broken/leaking/loose cape k/ Legible? The Direct From Direct From Direct? The Direct From D	ne samples In Cooler Today ples within By Gun # ples within By Gun # pre? 2-6°C By Blank # Custody Seal Intact? Nere broken/leaking/loose caps on any sak/ Legible? pre broken/leaking/loose caps on any sak/ Legible. pre b	Date Part Part Part Part Part	re samples In Cooler T No Cooler Direct From Sample Direct From Sample Direct From Sample Direct From Sample By Gun #	re samples In Cooler T No Cooler On Ice red? Direct From Sample Ambient Dies within By Gun #	Date Collection Time Time The samples In Cooler Tolor No Cooler On Ice Tolored? Direct From Sample Des within Direct From Sample Direct From Samples Direct Fro	Date Color Time 18:16 No Cooler On Ice Time 18:16



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.

Notice of Environmental Sampling 19 Indian Ridge 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 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

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

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

Massachusetts Department of Environmental Protection Bureau of Waste Site Cleanup

BWSC123

This Notice is Related to: Release Tracking Number

1	-	20093

NOTICE OF ENVIRONMENTAL SAMPLING

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):

Street Address: 175 Falcon Drive		
City/Town: Westfield	Zip Code:	01085
B. This notice is being provided to the follow	/ing party:	
Name: Daniel Van Kruiningen		
Street Address: 19 Indian Ridge Road		
City/Town: Westfield	Zip Code:	01085
C. This notice is being given to inform its re-		
1. That environmental sampling will be/h	nas been cor	nducted at property owned by the recipient of this notice.
2. Of the results of environmental samp	ling conducte	ed at property owned by the recipient of this notice.
3. Check to indicate if the analytical res the environmental sampling must be att		s notice.)
D. Location of the property where the enviro	nmental sar	mpling will be/has been conducted:
Street Address: 19 Indian Ridge Road		
City/Town: Westfield	Zip Code:	01103
MCP phase of work during which the samplir	•	s been conducted:
✓ Immediate Response Action		se III Feasibility Evaluation
Release Abatement Measure		se IV Remedy Implementation Plan se V/Remedy Operation Status
☐ Utility-related Abatement Measure☐ Phase I Initial Site Investigation		t-Temporary Solution Operation, Maintenance and Monitoring
☐ Phase II Comprehensive Site Assessmen	t 🔲 Othe	er(specify)
3. Description of property where sampling will b	ne/has heen	· · · · · · · · · · · · · · · · · · ·
· · · · · · · <u>· · · · · · · · · · · · </u>]industrial	School/playground Other
Micola Maria	111440414.	(specify)
4. Description of the sampling locations and type time of this notice.	oes (e.g., soi	il, groundwater, indoor air, soil gas) to the extent known at the
		rivate well located on the above-referenced
property and analyzed for PFAS via EPA	A Method :	537.1.
E. Contact information related to the party pr		s notice:
Contact Name: Department of Environmental	Protection	
Street Address: 436 Dwight Street	Zin Codo:	· 01103
City/Town: Springfield Telephone: (413) 755-2221	Zip Code: Email: D	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

1	
---	--

20093

NOTICE OF ENVIRONMENTAL SAMPLING

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.

Revised: 5/30/2014 Page 2 of 2



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

Keny K. Mille

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

Sample Summary	3
Case Narrative	4
Sample Results	5
17F0522-01	5
Sample Preparation Information	6
QC Data	7
Miscellaneous Organic Analyses	7
B179101	7
Flag/Qualifier Summary	8
Certifications	9
Chain of Custody/Sample Receipt	10



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

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#

ATTN: Rob Smith

LAB ID:

MATRIX

SAMPLE DESCRIPTION

TEST

SUB LAB

19 Indian Ridge Rd.- I

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-B\$1

d5-NEtFOSAA

B179101-BS1

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

na Wasshusta

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



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 Or	ganic Analys	es				
		M	CL/SMCL				Date	Date/Time	
Analyte	Results	RL N	IA ORSG Units	Dilution	Flag/Qual	Method	Prepared	Analyzed	Analyst
Perfluoroundecanoic acid (PFUnA)	ND	2.0	ng/L	I	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		% Recov	ery Recovery Limi	ts	Flag/Qual				
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	



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

Amelota	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Analyte	Resuit	тини	Ollits	Level	Acsuit	AIREC	Litilità		Limit	110103
atch B179101 - EPA 537		·····		· · · · · · · · · · · · · · · · · · ·				·		
llank (B179101-BLK1)				Prepared: 06	5/13/17 Anal	yzed: 06/19/	1,7			
Perfluoroundecanoic acid (PFUnA)	ND	2.0	ng/L							
Perfluorotridecanoic acid (PFTrDA)	ND	2.0	ng/L							-
erfluorotetradecanoic acid (PFTA)	ND	2.0	ng/L							
erfluorooctanoic acid (PFOA)	ND	2.0	ng/L							
erfluorooctanesulfonic acid (PFOS)	ND	2.0	ng/L							
erfluorononanoic acid (PFNA)	ND	2.0	ng/L							
erfluorohexanoic acid (PFHxA)	ND	2.0	ng/L							
erfluorohexanesulfonic acid (PFHxS)	ND	2.0	ng/L							
erfluoroheptanoic acid (PFHpA)	ND	2.0	ng/L							
Perfluorododecanoic acid (PFDoA)	, ND	2.0	ng/L							
erfluorodecanoic acid (PFDA)	ND	2.0	ng/L							
erfluorobutanesulfonic acid (PFBS)	ND	2.0	ng/L							
EtFOSAA	ND	2.0	ng/L							
NMEFOSAA	ND	2.0	ng/L							
surrogate: 13C-PFHxA	37.0		ng/L	40.0		92.4	70-130			
urrogate: 13C-PFDA	37.2		ng/L	40.0		93.0	70-130			
urrogate: d5-NEtFOSAA	156		ng/L	160		97.4	70-130			
.CS (B179101-BS1)				Prepared: 00	5/13/17 Anal	yzed: 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			
Perfluorocetanesulfonic 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			
MeFOSAA	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



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

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

EPA 537 in Drinking Water

Analyte

Certifications

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
4A	Massachusetts DEP	M-MA100	06/30/2018
T	Connecticut Department of Public Health	PH-0567	09/30/2017
ΙΥ	New York State Department of Health	10899 NELAP	04/1/2018
H-S	New Hampshire Environmental Lab	2516 NELAP	02/5/2018
1	Rhode Island Department of Health	LAO00112	12/30/2017
C	North Carolina Div. of Water Quality	652	12/31/2017
J	New Jersey DEP	MA007 NELAP	06/30/2018
L	Fiorida Department of Health	E871027 NELAP	06/30/2018
Т	Vermont Department of Health Lead Laboratory	LL.015036	07/30/2017
Œ	State of Maine	2011028	06/9/2019
'A	Commonwealth of Virginia	460217	12/14/2017
H-P	New Hampshire Environmental Lab	2557 NELAP	09/6/2017
T-DW	Vermont Department of Health Drinking Water	VT-255716	06/12/2018

Mone: 413-525-2332 Fax: 413-525-6405 CON-KEST

http://www.contestlabs.com

CHAIN OF CUSTODY RECORD

Doc # 381 Rev 1_03242017

39 Spruce Street East Longmeadow, MA 01028

Email: i	Email: info@contestlabs.com	7	7-Day	10-Day			3 1	1,4	7						# of Containers	
Monthly Mare Areas Services	دوج	۵	Due Date:				र्भ ०		+						² Preservation Code	
Address: 73 William Franks Dr	WSPAID HA		Ruch J	Taraca (a)	rial III		Ρ	ρlv	1						³ Container Code	
L I		-	1-Day	3-Day	ay [ス	A	ANALYSIS REQUESTED	S RE	SIES	즲		Dissolver Merals Samples	
Ridge	Road, westfield	MA 2	2-Day	4-Day	ay [<u>ک</u> برج							O Field Filtered	
, o R	3		I	All of the	eny		LE	5500							O Lab to Filter	
Project Number: 183EMOCITO			Format: PDF	EXCEL	,EL	<u></u>		וניקו							المنظم المنظ والمنظم المنظم المنظ	, , ,
Project Manager: Rob Sm: 14		0	Other:					ъH							Orthophosphate Samples	AUGS
Con-Test Quote Name/Number:			CLP Like Data Pkg Required:	g Require	;p;			'a-1						,,, ,	O Field Filtered	
Invoice Recipient:		ш	Email To:				3M	1 56						,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	O Lab to Filter	
Sampled By: Elizabeth O'Connor		Ŧ	Fax To #:					11							A Company of the contract of t	<u></u>
Con-Test Criem Samp	le (D / Description		Table Corporate	certa Gath	A Mercina	gpo:	103	0101							1 Matrix Codes: GW = Ground Water	
19 Indian Ridge Rd-	Fierd	७ विशा	8:57	*	OIC)	Э	X								WW = Waste Water DW = Drinking Water	
19 Indian Bidge Rd-1		11/2/9	10:6	×	OJC)	Э	×	×		<u> </u>	<u> </u>				A = Air S = Soil	
19 Indian K	Ridge Rd - 2 6	11/6/9	6:03	×	OMC J	<u>ت</u>	*				· • · • · • · • · • · • · · • · · · · ·				SL = Studge SOL = Solid	
															O = Other (please	11.000
										-						
									ļ		-				2 Preservation Codes:	
															H HC.	
											ļ				N = Nitric Acid	
														·····	B = Sodium Bisulfate	(V, 1927 a f
			,				 	-			<u> </u>				T = Sodium	,
Comments: Run: 19 Indian Ridge Rd-1 (EPA 537); HOLD - As, Fe, Hardness, TOC	1 537); HOLD - AS	s, Fe, Ho	erdness, Te	۷		e use the	followi	S E	des to	indica	te pos	sibles	Please use the following codes to indicate possible sample concentration	ntration	O = Other (please define)	
Hold + extract : 19 Indian Ri	Indian Ridge Rd-fickl blank + 19 Indian Ridge Rd-2	ank +	19 Indian Rd-2	Ridge		ŧв̂н-н	with	in the Rediu	Conc T; t-	within the Conc Code column above: W - Medium; L - Low; C - Clean; U -	colum C - Cl	n abo	within the Conc Code column above: H - High; M - Medium; L - Low; C - Clean; U - Unknown	_	3 Container Codes:	
,	Date/Time:		मिन्। स्टाइकाम्बर्मा	i ins	Special	Special Requirements	suus								G = Glass	
Graph X. Claria	6/9/17/8/3	W.				MA MCP Required	Requi	peu	Ţ	4			i		P = Plastic	
DFS. 14.1'S	. 14-1' Date/Time:				MCP Cortif	MCP Cortification Form Required	n Requ	red		ويدون مودون مودون	•	Č		e de	V = Vial	5 444
1 (49/11)	1813					CT RCP Required	Requi	red	j				クログラーンプログ		S = Summa Canister	
elinquished by: (signature)			-		RCP Cortif	RCP Cortification Form Required	n Requ	red					rate contactabe con		llar Bag her (ptease	
ည် eceived by: (signature)	Date/Time:	RCS/SESS/VALIDADA-No.			1 1	MA State DW Required	Require	Ę,	de de la constantina	140 FEB 1818	To the second	No. of Contract			derine)	anie
		O THE CO		Md	PWSID #							A NEW YORK				OI
ure)		Project Entity	ty Government	Mag	Municípality		MWRA		□ WRTA	RTA	Other	ة 🗀 ا	Chromatogram	ä	PCB ONLY Soxhlet	COH
eceived by: (signature)	Date/Time:		Federal City] 21 J	21 J Brownfield		School MBTA	P 6					AIHA-LAP, LLC)TC	Non Soxhlet	wiiis

39 Spruce St.

East Longmeadow, MA. 01028

P: 413-525-2332 F: 413-525-6405



Doc# 277 Rev 5 2017

www.contestlabs.com Login Sample Receipt Checklist - (Rejection Criteria Listing - Using Acceptance Policy) Any False Statement

LOSIII Odinip	\ 	will be brought	to the atte	ntion of the	Client - Sta	ite True or Fa	ılse		
Client Receive	ATC.	₽(干		Date	(o o		Time	1813	
How were the	•	In Cooler	T	No Cooler	•	On Ice		No Ice	
receiv			Canada	•	~ o o o	Ambient		Melted Ice	
		Direct From	By Gun #	ampled =	BUTTLECOLL	Actual Temp	- 14.1.		
Were samp		F	By Blank #			Actual Temp			
Temperatur	e r z-o C Custody Se	**************************************	Dy Dialik in	$\overline{\triangle}$	Were Sa	mples Tampe	red with?	F	
	COC Reling		<u> </u>	Does Chair	n Agree Wit	h Samples?	Τ		
VV ds C	e broken/le	eaking/loose ca	os on any sa	mples?	F				
Is COC in in			•	Were sam	ples receiv	ed within hold	ing time?	Т	
Did COC in		Client?	T	Analysis?	<u>T</u>	Sampler			
pertinent Info		Project?	T	ID's?	T	Collection Da	tes/Times?		· · · · · · · · · · · · · · · · · · ·
Are Sar	nple labels	filled out and le	gible?	て					,
	nere Lab to		丁			as notified?	<u> </u>		
Are there F				Who was		<u></u>	,		
Are there Sh		王		Who was	notified?	<u></u>			
Is the	re enough '	Volume?		,	110/11000				
is there	e Headspa	ce where applic	able?		MS/MSD?		omirod2	F	
		iners Used?				ng samples re	equireu :	<u></u>	
Were trip bla	nks receive	ed?	F	A sid = ₹	On COC?	<u> </u>	Base 1	A	
		lave the proper		Acid T					
Vals		e fortening for	T	1 Liter	Diactic		16	oz Amb.	Manager Services
Unp-		1 Liter Amb.	<u> </u>	500 mL				Amb/Clear	
HCL-	<u>ə</u>	500 mL Amb.		250 mL		4		Amb/Clear	
Meoh-		250 mL Amb. Col./Bacteria		Flash				Amb/Clear	
Bisulfate-		Other Plastic	 	Other				Encore	
DI-		SOC Kit	 	Plastic			Frozen:		
Thiosulfate- Sulfuric-	· · · · · · · · · · · · · · · · · · ·	Perchlorate		Zipl					
Sullui le-				e Ontre					
Viole				1 Lifer	Plastic		16	oz Amb.	
Unp-		1 Liter Amb.			Plastic			Amb/Clear	
HCL-		500 mL Amb. 250 mL Amb.		. 1	Plastic		4oz	Amb/Clear	
Meoh-		Col./Bacteria			point		2oz	Amb/Clear	
Bisulfate-		Other Plastic			Glass			Encore	
DI- Thiosulfate-		SOC Kit		· · · · · · · · · · · · · · · · · · ·	c Bag		Frozen:		
Sulfuric-		Perchlorate		Zipl	lock				
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.

Notice of Environmental Sampling 43 Indian Ridge 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 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

Attachments: Notice of Environmental Sampling (BWSC-123)

Laboratory Report

ec: Mayor, City of Westfield
Barnes ANG-Joh n 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

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

Revised: 5/30/2014

Massachusetts Department of Environmental Protection Bureau of Waste Site Cleanup

BWSC123

This Notice is Related to: Release Tracking Number

1	-	20093

NOTICE OF ENVIRONMENTAL SAMPLING

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 01085 Zip Code: 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 01085 Zip Code: 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: Phase III Feasibility Evaluation Immediate Response Action Release Abatement Measure Phase IV Remedy Implementation Plan Phase V/Remedy Operation Status Utility-related Abatement Measure Post-Temporary Solution Operation, Maintenance and Monitoring Phase I Initial Site Investigation ☐ Phase II Comprehensive Site Assessment ☐ Other (specify) 3. Description of property where sampling will be/has been conducted: Commercial industrial school/playground ✓ residential Other 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: Department of Environmental Protection Contact Name: Street Address: 436 Dwight Street City/Town: Springfield 01103 Zip Code: Email: David.bachand.jr@state.ma.us Telephone: (413) 755-2221



Massachusetts Department of Environmental Protection Bureau of Waste Site Cleanup

BWSC123

This Notice is Related to: Release Tracking Number

1

20093

NOTICE OF ENVIRONMENTAL SAMPLING

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.

Revised: 5/30/2014 Page 2 of 2



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

Berry K. Mille

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

Sample Summary	3
Case Narrative	4
Sample Results	- 5
17F0794-01	5
Sample Preparation Information	6
QC Data	7
Miscellaneous Organic Analyses	7
B179482	7
Flag/Qualifier Summary	8
Certifications	9
Chain of Custody/Sample Receipt	10



ATC Group Services LLC - West Springfield 73 Williams Franks Drive

West Springfield, MA 01089 ATTN: Rob Smith PURCHASE ORDER NUMBER:

REPORT DATE: 6/20/2017

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:

many ie de Bampies(s) Quantieu.

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

ia Warrengton

Work Order: 17F0794



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:

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

		М	CL/SMCL				Date	Date/Time	
Analyte	Results	RL M	IA ORSG Units	Dilution	Flag/Qual	Method	Prepared	Analyzed	Analyst
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		% Recov	ery Recovery Limit	s	Flag/Qual				

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



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



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

Miscellaneous Organic Analyses - Quality Control

N 1.0	D	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Analyte	Result	Limi	Units	Levei	Result	70REC	Limis	KID .	Limit	Notes
Batch B179482 - EPA 537										-
Blank (B179482-BLK1)				Prepared: 06	5/17/17 Anal	yzed: 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							
MeFOSAA	ND	2.0	ng/L							
urrogate: 13C-PFHxA	48.0		ng/L	40,0		120	70-130			
Surrogate: 13C-PFDA	49.3		ng/L	40.0		123	70-130			
urrogate: d5-NEtFOSAA	197		ng/L	160		123	70-130			
.CS (B179482-BS1)				Prepared: 0	5/17/17 Anal	yzed: 06/18/	17			
Perfluoroundecanoic acid (PFUnA)	3.11	2,0	ng/L	2.00		155 *	50-150			L-01
erfluorotridecanoic acid (PFTrDA)	2.71	2,0	ng/L	2.00		135	50-150			
erfluorotetradecanoic 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			
IEIFOSAA	2.95	2.0	ng/L	2.00		147	50-150			
MeFOSAA	2.56	2.0	ng/L	2.00		128	50-150			
turrogate: 13C-PFHxA	51.1		ng/L	40,0		128	70-130			
Surrogate: 13C-PFDA	51.8		ng/L	40.0		129	70-130			
urrogate: d5-NEtFOSAA	205		ng/L	160		128	70-130			



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

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

EPA 537 in Drinking Water

Perfluorooctanoic acid (PFOA)

NH,NY

Perfluorooctanesulfonic acid (PFOS)

NH,NY

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

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

Page 10 of 11

17F0794

² Preservation Codes; X = Sadium Hydraxide S = Summa Canister T = Tedlar Bag O = Other (please B = Sodium Bisulfate WW = Waste Water DW = Drinking Water GW = Ground Water 3 Container Codes: Page_1__ of __1_ Thiosulfate O = Other (please O = Other (please Non Soxhlet A = Amber Glass S = Sulfuric Acid PCB ONLY Soxhlet ² Preservation Code Matrix Codes N = Nitric Acid O Field Filtered O Field Filtered Lab to Filter Lab to Filter W = Methanol ³ Container Code ST = Sterile SL = Sludge = Sodium P = Plastic # of Containers SOL = Solid TRIZMA G = Glass V = Vial A = AirS = SoilH= KC define) define) define = Iced Please use the following codes to indicate possible sample concentration COD-LEST. NELAC and KAHASLAP ALL CA conedited Chromatogram www.contestlabs.com AIHA-LAP,LLC 39 Spruce Street East Longmeadow, MA 01028 H - High; M - Medium; L - Low; C - Clean; U - Unknown REQUESTED within the Conc Code column above: Other **ANALYSIS** Doc # 381 Rev 1_03242017 WRTA ı MCP Certification Form Required CT RCP Required MA MCP Required RCP Certification Form Required Z TOTAL As, Fe, HARDNESS, TOC MWRA School MA State DW Required MBTA 0 ۵ EPA METHOD 537 × × ⊃ \supset **=** http://www.contestlabs.com Code Z S CHAIN OF CUSTODY RECORD ձ Ã MΩ Municipality Brownfield PWSID # 10-Day 3-Day 4-Day 덩 G G CLP Like Data Pkg Required: × × × Composite Due Date: 5-day TAT PDF [5] Ending Date/Time 8:53 90:0 Email To: 9:09 Fax To #: Format: EXTRACT & HOLD EPA Method 537: 43 Indian Ridge Rd-field Mank & 43 Indian Ridge Rd-2 HOLD As, Fe, Hardness, TOC Other: 7-Day 1-Day 2-Day Project Entity 6/14/2017 6/14/2017 6/14/2017 Date/Time: WILLIAM TO STATE 73 William Franks Drive, West Springfield, MA Email: info@contestlabs.com 0121 (141 8 43 Indian Ridge Rd - field blank Phone: 413-525-2332 43 Indian Ridge Rd, Westfield Fax: 413-525-6405 43 Indian Ridge Rd, Westfield Date/Time: Date/Time: Date/Time: Date/Time: 11/1/10 43 Indian Ridge Rd - 1 43 Indian Ridge Rd - 2 Spinstify Militer and Market ATC Group Services Elizabeth O'Connor (413) 781-0070 183EM00170 Rob Smith RUN EPA Method 537: 43 Indian Ridge Rd-1 Con-Test Quote Name/Number: CON-LEST Relinquished by: (signature) Relinquished by: (signature) dushed by: (signature) (signa) ure Received by: (signature) Received by: (signature) Work Order# Con-Test Invoice Recipient: Project Location: Project Number: Project Manager: Sampled By: Address:

39 Spruce St. East Longmeadow, MA. 01028

P: 413-525-2332 F: 413-525-6405



www.contestlabs.com Doc# 277 Rev 5 2017

ogin San	ple 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

Client	ATC	_						
Receiv	ed By	PB_		Date	6-14.	17	Time	18:10
How were th	•	In Cooler		No Cooler		On Ice		No Ice
recei	/ea /	Direct From	Sample	•	•	Ambient		Melted Ice
Were sam	oles within		By Gun #	<u> </u>	,	Actual Temp	- 4.8	**************************************
Temperatu		T	_By Blank #			Actual Temp	-	
	Custody Se		<u>N</u>			imples Tampe		F
	COC Relina	•			n Agree Wil	th Samples?		
		eaking/loose ca	ps on any sa		F			
Is COC in in					iples receiv	ed within hold	ing time?	T
Did COC i		Client?		Analysis?		Sampler		T
pertinent In		Project?	T	ID's?		Collection D	ates/Times	<u> </u>
	•	filled out and le	gible?	т,				
	here Lab to	Filters?	_ F		Who wa	is notified?		
Are there		_		Who was	notified?			
Are there Sh				Who was	notified?			
	re enough							
Is ther	e Headspa	ce where applic	able?	<i>N</i> B	MS/MSD?	NA		
		iners Used?			splitting sai	mples require	· F	
Were TB's re		£			On COC?	_NA .		
		lave the proper		Acid -	T		Base	
Vials	Ħ	Containers:	#			#		#
Unp-		1 Liter Amb.		1 Liter F	***************************************			oz Amb.
HCL-	2	500 mL Amb.		500 mL			8oz /	Amb/Clear
Meoh-		250 mL Amb.		250 mL			4oz /	Amb/Clear
Bisulfate-	, , , , , , , , , , , , , , , , , , ,	Col./Bacteria		Flash				Amb/Clear
DI-	······································	Other Plastic		Other (ncore
Thiosulfate-		SOC Kit		Plastic			Frozen:	
Sulfuric-		Perchlorate		Ziplo	ck			
				Unused I	Media			
Vials	#	The state of the s	#			#		#
Unp-		1 Liter Amb.		1 Liter F			16	oz Amb.
HCL-		500 mL Amb.		500 mL	I		8oz A	Amb/Clear
Meoh-		250 mL Amb.		250 mL			4oz /	Amb/Clear
Bisulfate-	· • • • • • • • • • • • • • • • • • • •	Col./Bacteria		Flashp	point		20z /	Amb/Clear
DI-		Other Plastic		Other C			E	ncore
Thiosulfate-		SOC Kit		Plastic			Frozen:	
Sulfuric-		Perchlorate		Ziplo	ck			
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.

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 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

Attachments: Notice of Environmental Sampling (BWSC-123)

Laboratory Report

ec: Mayor, City of Westfield
Barnes ANG-Joh n 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

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

Massachusetts Department of Environmental Protection

Bureau of Waste Site Cleanup

BWSC123

This Notice is Related to: Release Tracking Number

1	-	20093

NOTICE OF ENVIRONMENTAL SAMPLING

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
В.	This notice is being provided to the follow	ring party:	· · ·
1.	Name: Jeffery & Carol Burke		<u> </u>
2.	Street Address: 1534 East Mountain Road		·
	City/Town: Westfield	Zip Code:	01085
C.	This notice is being given to inform its red	cipient (the	party listed in Section B):
	1. That environmental sampling will be/h	as been con	ducted at property owned by the recipient of this notice.
	✓ 2. Of the results of environmental sample	ing conducte	ed at property owned by the recipient of this notice.
		·	thed. (If item 2. above is checked, the analytical results from
	the environmental sampling must be atta		
	Location of the property where the environ	nmental san	npling will be/has been conducted:
		7: 0 (04402
	•	Zip Code:	01103
_	MCP phase of work during which the samplin		·
	☑ Immediate Response Action ☑ Release Abatement Measure		e III Feasibility Evaluation e IV Remedy Implementation Plan
[Utility-related Abatement Measure		e V/Remedy Operation Status
į	☐ Phase I Initial Site Investigation☐ Phase II Comprehensive Site Assessment		Temporary Solution Operation, Maintenance and Monitoring -
_			(specify)
3.	Description of property where sampling will b		
	✓ residential	Industriai	(specify)
	Description of the sampling locations and type of this notice.	es (e.g., soil	groundwater, indoor air, soil gas) to the extent known at the
	·	•	vate well located on the above-referenced
pro	operty and analyzed for PFAS via EPA	A Method 5	337.1.
	Contact information related to the party pro	_	notice:
	ntact Name: Department of Environmental F	Protection	
	eet Address: 436 Dwight Street //Town: Springfield	Zin Code:	01103
_	ephone: (413) 755-2221	Zip Code:	avid.bachand.jr@state.ma.us



Massachusetts Department of Environmental Protection Bureau of Waste Site Cleanup

BWSC123

This Notice is Related to: Release Tracking Number

1

20093

NOTICE OF ENVIRONMENTAL SAMPLING

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.

Revised: 5/30/2014 Page 2 of 2



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

Keny K. Mille

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

Sample Summary	3
Case Narrative	4
Sample Results	5
17F0801-01	5
Sample Preparation Information	6
QC Data	7
Miscellaneous Organic Analyses	7
B179482	7
Flag/Qualifier Summary	8
Certifications	9
Chain of Custody/Sample Receipt	10



ATC Group Services LLC - West Springfield

73 Williams Franks Drive West Springfield, MA 01089

ATTN: Rob Smith

PURCHASE ORDER NUMBER:

REPORT DATE: 6/20/2017

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 & 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



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 Org	ganic Analys	es				
MCL/SMCL Date Date/Time									
Analyte	Results	RL M	MA ORSG Units	Dilution	Flag/Qual	Method	Prepared	Analyzed	Analyst
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	I		EPA 537	6/17/17	6/18/17 23:37	BLM
Perfluorocetanoic 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	ı		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		% Recov	ery Recovery Limits	3	Flag/Qual				
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	



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
P · · · · · · · · · · · · · · · · · · ·		······································		



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

Miscellaneous Organic Analyses - Quality Control

A materia	Donald	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Analyte	Result	Limit	Units	Level	Resum	70REC	Limits	KID	Liiiii	140103
Batch B179482 - EPA 537		· ·								
Blank (B179482-BLK1)				Prepared: 06	5/17/17 Analy	yzed: 06/18/1	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							
erfluoroheptanoic acid (PFHpA)	ND	2.0	ng/L							
Perfluorododecanoic acid (PFDoA)	ND	2.0	ng/L							
Perfluorodecanoic acid (PFDA)	ND	2.0	ng/L							
erfluorobutanesulfonic acid (PFBS)	ND	2.0	ng/L							
NEtFOSAA	ND	2.0	ng/L							
MeFOSAA	ND	2.0	ng/L							
urrogate: 13C-PFHxA	48.0		ng/L	40.0		120	70-130			
urrogate: 13C-PFDA	49,3		ng/L	40.0		123	70-130			
urrogate: d5-NEtFOSAA	197		ng/L	160		123	70-130			
.CS (B179482-BS1)				Prepared; 00	5/17/17 Anal	yzed: 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			
Perfluorohexauoic 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			
erfluoroheptanoic 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			
erfluorodecanoic acid (PFDA)	2.71	2.0	ng/L	2.00		135	50-150			
erfluorobutanesulfonic 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			
штоgate: 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			



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

EPA 537 in Drinking Water

Perfluorooctanoic acid (PFOA)

NH,NY

Perfluorooctanesulfonic acid (PFOS)

NH,NY

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

Code	Description	Number	Expires
AIHA	AIHA-LAP, LLC - ISO17025:2005	100033	02/1/2018
MA	Massachusetts DEP	M-MA100	06/30/2018
СТ	Connecticut Department of Publile 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

S = Sulfuric Acid B = Sodium Bisulfate X = Sodium Hydroxide GW = Ground Water WW = Waste Water DW = Drinking Water ² Preservation Codes: 3 Container Codes; A = Amber Glass G = Glass S = Summa Canister O = Other (please Page__1__ of ___1_ O = Other (please 0 = Other (please Von Soxhlet PCB ONLY Soxhlet = Tedlar Bag Matrix Codes: ² Preservation Code N = Nitric Acid O Field Filtered O Field Filtered Lab to Filter Lab to Filter M = Methanol ST = Sterile Container Code A = Air S = Soil SL = Sludge SOL = Solid define) TRIZMA Phiosulfate = Sodium P = Plastic # of Containers V = Viat | = [ced define) H= KC define) o SOL-KSE. Net Actand with Autor actived the Please use the following codes to indicate possible sample concentration Chromatogram www.combestlabs.com AIHA-LAP, LLC East Longmeadow, MA 01028 H - High; M - Medium; L - Low; C - Clean; U - Unknown ANALYSIS REQUESTED within the Conc Code column above: 39 Spruce Street Other Doc # 381 Rev 1_03242017 WRTA x MA MCP Required CT RCP Required RCP Certification Form Required MCP Certification Form Required z TOTAL As, Fe, HARDNESS, TOC MWRA School MA State DW Required MBTA Special Requirements O × × **EPA METHOD 537** Code \supset \Box http://www.contestlabs.com Watrix CHAIN OF CUSTODY RECORD ž ă MΩ Municipality Brownfield PWSID # 10-Day 되었 3-Day 4-Day CLP Like Data Pkg Required: QU CUS × × Ending: Composite A STATE OF THE PROPERTY OF THE PARTY OF THE Due Date: 5-day TAT PDF [S EXTRACT & HOLD EPA Method 537: 1534 East Mountain Rd-field blank & 1534 East Mountain Rd-2 Government Email To: 15.26 15:37 Fax To #: Format: Federal Other: 7-Day 1-Day 2-Day S Project Entity Beginning Date/Time 6/14/2017 6/14/2017 6/14/2017 (direct 73 William Franks Drive, West Springfield, MA 17 F 080 Email: info@contestlabs.com 0/8/ 1534 East Mountain Rd - field blank 1534 East Mountain Rd, Westfield 1534 East Mountain Rd, Westfield Date/Time: Fax: 413-525-6405 Date/Time: Date/Time: Date/Time; Date/Time: /te/Time: 1534 East Mountain Rd - 2 1534 East Mountain Rd - 1 Gaing in Mark Children and Commentary ATC Group Services Elizabeth O'Connor RUN EPA Method 537: 1534 East Mountain Rd-1 (413) 781-0070 183EM00170 Rob Smith Con-Test Quote Name/Number: HOLD As, Fe, Hardness, TOC CON-LESK Refinquished by: (signature) fdbfShed by: (signature) Relinguished by: (signature) (s/ghature) Received by: (signature) Received by: (signature) Con-Test Work Order# O Invoice Recipient: Project Location: Project Number: Project Manager Sampled By: Comments: Address: Phone: Page 10 of 11 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

How were the samples In Cooler T No Cooler On Ice T No Ice received? Direct From Sample Ambient Melted Ice Were samples within By Gun # Actual Temp - 4.8 Temperature? 2-6°C T By Blank # Actual Temp - 4.8 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? Is COC in ink/ Legible? T Were samples received within holding time? T Did COC include all Client? T Analysis? T Sampler Name? T Did COC include all Client? T ID's? T Collection Dates/Times? T Are Sample labels filled out and legible? Are there Lab to Filters? F Who was notified? Are there Short Holds? Who was notified? Who was notified?	
Temperature? 2-6°C T By Blank # Actual Temp - 4.8 Was Custody Seal Intact? Was COC Relinquished? T Does Chain Agree With Samples? Are there broken/leaking/loose caps on any samples? Is COC in ink/ Legible? T Were samples received within holding time? Did COC include all Client? T Analysis? T Sampler Name? Are Sample labels filled out and legible? Are there Lab to Filters? F Who was notified? Who was notified?	
Were samples within Temperature? 2-6°C Was Custody Seal Intact? Was COC Relinquished? Are there broken/leaking/loose caps on any samples? Did COC include all Client? Analysis? Are Sample labels filled out and legible? Are there Rushes? Were samples received within holding time? Tolic Coc include all Client? Analysis? Tolic Coc include all Client? Analysis? Who was notified? Who was notified?	
Temperature? 2-6°C	
Temperature? 2-6°C	
Was COC Relinquished? Does Chain Agree With Samples? Are there broken/leaking/loose caps on any samples? Is COC in ink/ Legible? Were samples received within holding time? Did COC include all Client? Analysis? Sampler Name? pertinent Information? Project? ID's? Collection Dates/Times? Are Sample labels filled out and legible? Are there Lab to Filters? Who was notified? Who was notified?	
Are there broken/leaking/loose caps on any samples? Is COC in ink/ Legible?	
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? Are there Lab to Filters? F Who was notified? Are there Rushes? Who was notified?	
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? Are there Lab to Filters? F Who was notified? Who was notified?	
pertinent Information? Project? ID's? Collection Dates/Times? Are Sample labels filled out and legible? Are there Lab to Filters?	
Are Sample labels filled out and legible? Are there Lab to Filters? Are there Rushes? Who was notified? Who was notified?	
Are there Lab to Filters? F Who was notified? Are there Rushes? F Who was notified?	
Are there Rushes? Who was notified?	
Are there Short Holds?	
Is there enough Volume?	
Is there Headspace where applicable? <u>NA</u> MS/MSD? <u>NA</u>	
Proper Media/Containers Used? splitting samples required	
Were TB's received? F On COC? NA	
Do All Samples Have the proper pH? Acid T Base	economica leconomica
Vials # Containers: # #	
Unp- 1 Liter Amb. 1 Liter Plastic 16 oz Amb.	
HCL- 2 500 mL Amb. 500 mL Plastic 8oz Amb/Clear	· · · · · · · · · · · · · · · · · · ·
Meoh- 250 mL Amb. 250 mL Plastic 2 4oz Amb/Clear	
Bisulfate- Col./Bacteria Flashpoint 2oz Amb/Clear	
DI- Other Plastic Other Glass Encore	<u> </u>
Thiosulfate- SOC Kit Plastic Bag Frozen:	
Sulfuric- Perchlorate Ziplock	and the second
Unused Media	
Vials # Containers: # # #	
Unp- 1 Liter Amb. 1 Liter Plastic 16 oz Amb.	<u> </u>
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	<u> </u>
DI- Other Plastic Other Glass Encore	Ĺ. <u>,,,</u>
Thiosulfate- SOC Kit Plastic Bag Frozen:	
	·
Sulfuric- Perchlorate Ziplock Comments:	
	<u></u>



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.

Notice of Environmental Sampling 1588 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 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

V. To

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

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

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 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 01085 Zip Code: B. This notice is being provided to the following party: 1. Name: Patricia Leader 2. Street Address: _1588 East Mountain Road City/Town: Westfield 01085 Zip Code: 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. $|\checkmark|$ 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: ✓ Immediate Response Action Phase III Feasibility Evaluation Release Abatement Measure Phase IV Remedy Implementation Plan Utility-related Abatement Measure Phase V/Remedy Operation Status Post-Temporary Solution Operation, Maintenance and Monitoring Phase I Initial Site Investigation ☐ Phase II Comprehensive Site Assessment Other (specify) 3. Description of property where sampling will be/has been conducted: ✓ residential Commercial industrial school/playground 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: Department of Environmental Protection Contact Name: Street Address: 436 Dwight Street City/Town: Springfield 01103 Zip Code: Email: David.bachand.jr@state.ma.us Telephone: (413) 755-2221



Massachusetts Department of Environmental Protection Bureau of Waste Site Cleanup

BWSC123

This Notice is Related to: Release Tracking Number

1

20093

NOTICE OF ENVIRONMENTAL SAMPLING

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.

Revised: 5/30/2014 Page 2 of 2



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

Keny K. Mille

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

Sample Summary	3
Case Narrative	4
Sample Results	5
17F0520-01	5
Sample Preparation Information	6
QC Data	7
Miscellaneous Organic Analyses	7
B179101	7
Flag/Qualifier Summary	8
Certifications	9
Chain of Custody/Sample Receipt	10



ATC Group Services LLC - West Springfield

73 Williams Franks Drive West Springfield, MA 01089 ATTN: Rob Smith PURCHASE ORDER NUMBER:

REPORT DATE: 6/21/2017

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.

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.

ua Watthusta

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



Project Location: 1588 East Mountain Rd., Westfie

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

			Miscellaneous	Organic Analys	es				
			MCL/SMCL				Date	Date/Time	
Analyte	Results	RL	MA ORSG Units	Dilution	Flag/Qual	Method	Prepared	Analyzed	Analyst
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			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	i		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		% Reco	very Recovery L	imits	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	



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



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
atch B179101 - EPA 537	-					- Allendaria				
Blank (B179101-BLK1)				Prepared: 06	5/13/17 Analy	yzed: 06/19/1	17			
Perfluoroundecanoic acid (PFUnA)	ND	2.0	ng/L							
erfluorotridecanoic acid (PFTrDA)	ND	2.0	ng/L							
erfluorotetradecanoic acid (PFTA)	ND	2,0	ng/L							
erfluorooctanoic acid (PFOA)	ND	2.0	ng/L							
erfluorooctanesulfonic acid (PFOS)	ND	2.0	ng/L							
erfluorononanoic acid (PFNA)	ND	2.0	ng/L							
erfluorohexanoic acid (PFHxA)	ND	2.0	ng/L							
erfluorohexanesulfonic acid (PFHxS)	ND	2.0	ng/L							
erfluoroheptanoic acid (PFHpA)	ND	2.0	ng/L							
erfluorododecanoic acid (PFDoA)	ND	2.0	ng/L							
erfluorodecanoic acid (PFDA)	ND	2.0	ng/L							
erfluorobutanesulfonic acid (PFBS)	ND	2.0	ng/L							
EtFOSAA	ND	2.0	ng/L							
IMEFOSAA	, ND	2.0	ng/L							
urrogate: 13C-PFHxA	37.0		ng/L	40.0		92.4	70-130			
urrogate: 13C-PFDA	37.2		ng/L	40.0		93.0	70-130			
urrogate: d5-NEtFOSAA	156		ng/L	160		97.4	70-130			
.CS (B179101-BS1)				Prepared: 00	5/13/17 Anal	yzed: 06/18/	17			
Perfluoroundecanoic acid (PFUnA)	26,2	2.0	ng/L	20.0		131 *	70-130			L-01
erfluorotridecanoic acid (PFTrDA)	25.4	2.0	ng/L	20.0		127	70-130			
erfluorotetradecanoic acid (PFTA)	25,1	2.0	ng/L	20.0		125	70-130			
erfluorooctanoic acid (PFOA)	25,6	2.0	ng/L	20.0		128	70-130			
erfluorooctanesulfonic acid (PFOS)	21.9	2.0	ng/L	18.5		118	70-130			
erfluorononanoic 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			
erfluorohexanesulfonic acid (PFHxS)	23.5	2.0	ng/L	18.2		129	70-130			
erfluoroheptanoic acid (PFHpA)	25.6	2.0	ng/L	20.0		128	70-130			
erfluorododecanoic acid (PFDoA)	24.8	2,0	ng/L	20.0		124	70-130			
erfluorodecanoic acid (PFDA)	25,6	2.0	ng/L	20.0		128	70-130			
erfluorobutanesulfonic acid (PFBS)	22.6	2.0	ng/L	17.7		128	70-130			
EtFOSAA	25.9	2.0	ng/L	20.0		130	70-130			
MeFOSAA	25.8	2.0	ng/L	20.0		129	70-130			
erfluoropentanoic acid (PFPeA)	24.1	2.0	ng/L	20.0		120	70-130			
urrogate: 13C-PFHxA	62.4		ng/L	40.0		156 *	70-130			S-23
urrogate: 13C-PFDA	63,1		ng/L	40.0		158 *	70-130			S-23
urrogate: d5-NEtFOSAA	265		ng/L	160		166 *	70-130			S-23



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

*	QC result is outside of established limits.
Ť	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

EPA 537 in Drinking Water

Analyte

Certifications

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
СТ	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
ŊJ	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

「カンは」	Phone: 413-525-2332
;	מסח-לבילי

39 Spruce Street East Longmeadow, MA 01028 Doc # 381 Rev 1_03242017 http://www.contestlabs.com CHAIN OF CUSTODY RECORD Fax: 413-525-6405

Email:	Email: info@contestlabs.com		7-Day	10-Day	ay.		M	7							# of C	# of Containers
May Buy Come Ant Group Services	٠,	<u> </u>	te			1	2					-			² Pres	² Preservation Code
Address: 73 William Franks Dr.	WSP Fld. MA		RISH	disa Ilinoida	partition.		P	7							3 Con	Container Code
`		1	1-Day	3-Day	٧			ス	ANAL	YSIS	REGU	ANALYSIS REQUESTED			ā	ssolved Metalls samples
Projections INS Cert Yourtain Ro	Rd, Westfield, MA		2-Day	4-Day	الا	<u></u>		21.							0	O Field Filtered
Project Location: 1588 East Mountain Rd	Rd Westfield MA	A	0	ata pelikan	ı,		LE:	55,				******			O	O Lab to Filter
Project Number: 183 EH 0017 D			Format: PDF	EXCEL.	 		-	כןעו							1.5	
Project Manager: Rob Smith			Other:				P0	uv _f							6	Orrhopnosphate, samples
Con-Test Quote Name/Number:		Û	CLP Like Data Pkg Required:	g Required	÷			1 2-						*	0	O Field Filtered
Invoice Recipient:		9	Email To:					J '5				 ·			0	O Lab to Filter
Sampled By: Elizabeth Orconnor		4	Fax To #:					Н								
Con-Jest Work Orders	Gient Sanible ID / Designation		Composite	deste Grab	Taken in	100 m	107	Tota							7.0	1 <u>Matrix Codes:</u> GW = Ground Water
ISBB East F	ise & East Mountain Rd-field blank	11/0/0	07:11	א	ЭM	>	×						ļ		₹ <u>₽</u>	WW = Waste Water DW = Drinking Water
(S) 1588 East M		41914	11:32	×	DW	D	×	×							40	A = Air S = Soil
1588 East M	East Hountain Rd-2	619117	11:33	×	3	٦	×								⊼ ∑	SL = Studge SOL = Solid
															° ₹ 	O = Other (please
	,,						\vdash						ļ ———			
							_	ļ								² Preservation Codes:
							-	_				<u> </u>	<u> </u>	<u> </u>		H = HCL
							 	<u> </u>				-	<u> </u>		120	N = Nitric Acid
							\vdash	 	<u> </u>		T	 	 		7 (1)	S = Summing Acid B = Sodium Bisulfate
							 	 	ļ		T	ļ	-		Υ. .	A = Sodium Hydroxide T = Sodium
Comments: Roa: 1588 East Hourtain Rd-i	: Hold As, Fc, Hardness, Toc.	Fe, Hara	Lness, TOC		Dioaco	Dioace use the following codes to indicate necibile commis encounteration		5		وًّ [4350				1	Thiosulfate O = Other (please
Extract + Hold: 1588 East Mountain Rd-field blank	untain Rd-field	blank t					with	in the	within the Conc Code column above:	ode co	lumn a	bove:				77/12010.
ISBB East Mi	1588 East Hountain Rd·2					H - High; M - Medium; L - Low; C - Clean; U - Unknown	S	edicin	9 1 - 10	ن ≩	Clear	- ا	Jnkno.	Ş	· · /	³ Container Codes:
Relinquished by: (signature)	Date/Time: 6 /9 /3	Delegates Minte			Spean	Spacial Requirements MA MCP Required	Requir	Ę.							[G = Glass P = Plastic
nature) DFS-17.14	†				MCP Certific	MCP Certification Form Required	Requi	8		الله الله الله الله الله الله الله الله					ν >	ST = Sterile V = Vial
- (e/9/117	1813					CT RCP Required	Requir	P.					9	クカック・コンク	S	S = Summa Canister
plinquished by: (signature)				+	RCP Certifir	RCP Certification form Roquirod	Roqui	D _O .		4-0		man cantesdabs com		-		Bag (please
v ceived by: (signature)	Date/Time;				1 1	MA State DW Required	а ирва	T	er Alexandre (N	The second			A STATE OF THE STA			define)
			3	PWS	PWSID #		l									
O elinquished by: (signature)		Project Entity	ity Government [Man	Municipality		MWRA] WRTA		Other	₽ □	Chromatogram	ıgram		PCB ONLY Soxhlet
eceived by: (signature)	Date/Time:		Federal City	21 J	21 J Brownfield		School MBTA	= -				₹	AIHA-LAP, LLC)TTC	<u></u>	Non Soxhlet

39 Spruce St.

East Longmeadow, MA. 01028

P: 413-525-2332 F: 413-525-6405



Doc# 277 Rev 5 2017

www.contestlabs.com Login Sample Receipt Checklist - (Rejection Criteria Listing - Using Acceptance Policy) Any False Statement

	ATC			ntion of the (7-10	1 1	Time	1813	
Receive	d By	RIF		Date	(0)9		1 11110		
How were the	e samples	In Cooler	Τ	No Cooler		On Ice	<u> </u>	No Ice	····
receive			Comple &	e Delgma	a ma c Ki u	Ambient	•	Melted Ice	
		Direct From	By Gun #	2	DIA L DY CHANN	Actual Temp	- 14.1.	<u>. </u>	
Were sample			By Blank #			Actual Temp			
Temperatur		F	Dy Diank #		Were Sa	mples Tampe	red with?	F	
	Sustody Sea			Does Chair	Agree Wit	h Samples?	Т		
Was C	OC Reling	uisned ?			T		<u> </u>		
		eaking/loose ca	JS On any Sa	Were sam	ples receiv	ed within hold	ing time?	T	
s COC in ink		Client?		Analysis?	T	Sampler	Name?	T	
Did COC in				ID's?		Collection Da		,	
pertinent Info	ormation?	Project?	aible?	T		•			
Are Sar	npie labeis	filled out and le	gible!		Who wa	as notified?	M		
	nere Lab to	rillers!		Who was		LA.			
Are there F		<u> </u>	·	Who was		F) 4			
Are there Sho	ort Holds?	Volumo?		77110 1100					
is the	re enough '	volulite: whore epolic	able?		MS/MSD?	IA			
is there	e Headspa	ce where applic	abic:			ing samples re	equired?	F	
Proper IVI	ecia/Coma	iners Used?	F		On COC?				
Were trip bla	Complee F	lave the proper		Acid T	•		Base \	A	
rieis		1 Liter Amb.		1 Liter I	Plastic		1	oz Amb.	
Unp-	J	500 mL Amb.		600 mL				Amb/Clear	
HCL- Meoh-		250 mL Amb.		250 mL	Plastic	4		Amb/Clear	
Bisulfate-		Col./Bacteria	-	Flash	point		2oz	Amb/Clear	
DI-		Other Plastic		Other	Glass			Encore	
Thiosulfate-		SOC Kit		Plastic	Bag		Frozen:		
Sulfuric-		Perchlorate		Ziplo	ock			and the second section of the sectio	Toront Marie Managements
Sulluito-				Univseil					
			2.00						
Vale		Continues.		1 Liter	Diactic		16	oz Amb.	
Unp-		1 Liter Amb.		500 mL		<u> </u>		Amb/Clear	1
HCL-		500 mL Amb.		250 mL		 	1	Amb/Clear	
Meoh-		250 mL Amb.		Flash		+		Amb/Clear	
Bisulfate-		Col./Bacteria		Other				Encore	
		Other Plastic		Plasti			Frozen:		
DI-		SOC Kit Perchlorate		Zipl			1		
DI- Thiosulfate-				Eibi	OOK	<u> </u>	<u></u>		
DI- Thiosulfate- Sulfuric-		reicinolate							
DI- Thiosulfate- Sulfuric-		Perchiorate							
DI- Thiosulfate- Sulfuric-		Perchiorate							-
DI- Thiosulfate- Sulfuric-		reicinolate							
DI- Thiosulfate-		Perchauta							
DI- Thiosulfate- Sulfuric-		Perchauta							
DI- Thiosulfate- Sulfuric-		Perchaute							



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.

Notice of Environmental Sampling 36 Indian Ridge 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 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

& V. Tor

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

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

Massachusetts Department of Environmental Protection Bureau of Waste Site Cleanup

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

BWSC123

This Notice is Related to: Release Tracking Number

1 - 20093

NOTICE OF ENVIRONMENTAL SAMPLING

Α.	The address of the disposal site related t	o this Notice	and Release Tracking Number (provided above):
1.	Street Address: 175 Falcon Drive		
	City/Town: Westfield	_ Zip Code:	01085
В.	This notice is being provided to the follow	wing 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 re	ecipient (the	party listed in Section B):
	1. That environmental sampling will be/	has been con	ducted at property owned by the recipient of this notice.
	✓ 2. Of the results of environmental samp	olina conducte	ed at property owned by the recipient of this notice.
		_	ched. (If item 2. above is checked, the analytical results from
	the environmental sampling must be at		· ·
D.	Location of the property where the enviro	onmental sar	npling will be/has been conducted:
	Street Address: 36 Indian Ridge Road		<u>. </u>
	City/Town: Westfield	Zip Code:	01103
2	MCP phase of work during which the sampli	•	s been conducted:
	✓ Immediate Response Action		e III Feasibility Evaluation
	Release Abatement Measure Utility-related Abatement Measure		se IV Remedy Implementation Plan se V/Remedy Operation Status
	Phase I Initial Site Investigation	P	Temporary Solution Operation, Maintenance and Monitoring
	Phase II Comprehensive Site Assessmer	nt 🗌 Othe	r (specify)
3.	Description of property where sampling will I	be/has been o	· · · · · · · · · · · · · · · · · · ·
	☑residential ☐commercial ☐		
			(specify)
	Description of the sampling locations and tylene of this notice.	pes (e.g., soil	, groundwater, indoor air, soil gas) to the extent known at the
	•	•	ivate well located on the above-referenced
pr	operty and analyzed for PFAS via EP	'A Method &	537.1.
		<u>,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,</u>	
	Contact information related to the party pr	_	notice:
	ontact Name: Department of Environmental	Protection	
	reet Address: 436 Dwight Street	7:- 0!	01103
	ty/Town: Springfield elephone: (413) 755-2221	Zip Code:	01103avid.bachand.jr@state.ma.us
16	repriore. Trio, 100 EEE	Liliali. Di	a riana an



Massachusetts Department of Environmental Protection Bureau of Waste Site Cleanup

BWSC123

This Notice is Related to: Release Tracking Number

1	

20093

NOTICE OF ENVIRONMENTAL SAMPLING

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.

Revised: 5/30/2014 Page 2 of 2



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

Keny K. Mille

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

Sample Summary	3
Case Narrative	4
Sample Results	5
17F0523-01	5
Sample Preparation Information	. 6
QC Data	7
Miscellaneous Organic Analyses	7
B179101	7
Flag/Qualifier Summary	8
Certifications	9
Chain of Custody/Sample Receipt	10



ATC Group Services LLC - West Springfield 73 Williams Franks Drive

West Springfield, MA 01089 ATTN: Rob Smith PÜRCHASE ORDER NUMBER:

REPORT DATE: 6/21/2017

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.

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.

na Watchington

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



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										
			Mis	cellaneous Org	ganic Analys	es				
			MCL/SMCL					Date	Date/Time	
Analyte	Results	RL	MA ORSG	Units	Dilution	Flag/Qual	Method	Prepared	Analyzed	Analyst
Perfluoroundecanoic acid (PFUnA)	ND	2.0		ng/L	1		EPA 537	6/13/17	6/19/17 16:07	BLM
Perfluorotridecanoic acid (PFTrDA)	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	i		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		% Reco	very R	ecovery Limits	5	Flag/Qual				
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	



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
Satch B179101 - EPA 537	111									
Blank (B179101-BLK1)			***	Prepared: 00	5/13/17 Anal	yzed: 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							
erfluorooctanesulfonic acid (PFOS)	ND	2.0	ng/L							
erfluorononanoic acid (PFNA)	ND	2.0	ng/L							
erfluorohexanoic acid (PFHxA)	ND	2.0	ng/L							
Perfluorohexanesulfonic acid (PFHxS)	ND	2.0	ng/L							
erfluoroheptanoic acid (PFHpA)	ND	2.0	ng/L			•				
Perfluorododecanoic acid (PFDoA)	ND	2.0	ng/L							
erfluorodecanoic acid (PFDA)	ND	2.0	ng/L							
erfluorobutanesulfonic acid (PFBS)	ND	2.0	ng/L							
IEtFOSAA	ND	2.0	ng/L							
MeFOSAA	ND	2.0	ng/L							
urrogate: 13C-PFHxA	37.0		ng/L	40.0		92.4	70-130			
urrogate: 13C-PFDA	37.2		ng/L	40.0		93.0	70-130			
urrogate: d5-NEtFOSAA	156		ng/L	160		97.4	70-130			
.CS (B179101-BS1)				Prepared: 0	6/13/17 Anal	yzed: 06/18/	17			
Perfluoroundecanoic acid (PFUnA)	26.2	2.0	ng/L	20.0		131 *	70-130			L-0i
Perfluorotridecanoic acid (PFTrDA)	25.4	2.0	ng/L	20.0		127	70-130			
erfluorotetradecanoic acid (PFTA)	25.1	2.0	ng/L	20.0		125	70-130			
erfluorooctanoic 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			
erfluorononanoic 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			
erfluorohexanesulfonic 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			
IEtFOSAA	25.9	2.0	ng/L	20.0		130	70-130			
MeFOSAA	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



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

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

EPA 537 in Drinking Water

Perfluorooctanoic acid (PFOA)

NH,NY

Perfluorooctanesulfonic acid (PFOS)

NH,NY

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

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

| TFOSS Phone: 413-525-2332 Fax: 413-525-6405 CON-TEST

http://www.contestlabs.com

en Representational principal

CHAIN OF CUSTODY RECORD

Doc # 381 Rev 1_03242017

39 Spruce Street East Longmeadow, MA 01028

20.	220	8		and set British and the	Secretary Hall street		ŀ	ļ			-		
Email: in	Email: info@contestlabs.com	7	7-Day	<u>5</u>	10-Day		~	7					# of Containers
SADIOLAN AND HAR GENERAL CASE	S	ಧ	Due Date:				0	エ					² Preservation Code
Address: 73 William Franks Dr WiSofld	KISOFIA MA		11.15				<u>д</u>	2					³ Container Code
1		1-	1-Day	3-Day	ay _				ANAL	SIS R	ANALYSIS REQUESTED	ED	Described Merals Samples
	West Field, HA		2-Day	4-Day	ay v	1[]		Λ1.					O Field Filtered
Ridge	Westfield	ct-		nata patitery	, Aud		Ls	SSZL					O Lab to Filter
170			Format: PDF	CXCEL	Et [П	<u>:</u>	IPN					
Project Manager: Rob Smith		ō	Other:				po	141					er and most phases samples
Con-Test Quote Name/Number:		ゔ	CLP Like Data P	ke Data Pkg Required:	ď:		94+	2-1					O Field Filtered
Invoice Recipient:		Ē	Email To:					"sh					O Lab to Filter
Sampled By: Plicabeth Cyconnor		F	Fax To #:					ין ו					
Con-Test Glient Sumple Work Order#	Client Sample ID / Description Dat			Composite Grab	apop gr	8 3	ЮЭ	401		······································			Matrix Codes: GW = Ground Water
36 Indian Ri	36 Indian Ridge Rd - field 6	11/b/o	9:35	*	MQ ;	D	×						WW = Waste Water DW = Drinking Water
36 Indian Ridge Rd-		699111	9:37	×	34	Э	×	×					A # Soil
35 Indian Ridge Rd-2		6 [9]17	9:38	×	S	Э	×	<u> </u>		_			SL = Sludge
										ļ			0 = Other (please
								<u> </u>			<u> </u>		2 Preservation Codes:
										ļ			H = HCL
					1								N = Nitric Acid
			:										B = Sodium Bisulfate X = Sodium Hydroxide
													Thiseulate
Comments: Run: 34 Indian Ridge Rd-1 (EPA:	(EPA 537); HOLD: As, Fe, Hardeness, TOC	Fe, Hare	Aness, TC	ŭ	Pleas	e use the	ollowi	ng cod	es to ind	cate p	ossible sa	Please use the following codes to indicate possible sample concentration	
Hold + Wract: 36 Indian Ridge Rd-Reid sample + 36 Indi	Rd-held sanyle	+36 T	ndian Rid	an Ridge Rd-2		H.Hg	with	in the fediun	within the Conc Code column above: M - Medium; L - Low; C - Clean; U -	de colu v; C - 1	ımın abov Clean; t	within the Conc Code column above: H - High; M - Medium; L - Low; C - Clean; U - Unknown	(1. 1. s.l.1s.
(signature)	Date/Time:				- Special	। ऽम्बन्धा स्वम्पातमार	S1115						A = Amber Glass G = Glass
gene	6/9/17 1813	100	20			MA MCP Required	Requi	rec	4				P = Plastic
gnature) Des Hive	Date/Time:				MCP Certif	MCP Certification Form Required	n Regu	red		و م سسد	Č		SI = Stelline
Mad Mat 109/17	1813					CT RCP Required	Requi	2	呈				S = Summa Canister
elinquished by: (signature)					RCP Certif	RCP Certification Form Required	n Redin	rod		%	Manager Co	mercontestiabs.com	1 = Fedlar Bag O = Other (please
p cceived by: (signature)	Date/Time:				M	MA State DW Required	Кедин	Ę					(define)
		a la la		Md	# QISMd				2			PARTITION OF THE PROPERTY OF THE PROPERTY OF	
ıre)	Date/Time: Pro	Project Entity	ity Government	<u>₹</u>	Municipality		MWRA		☐ WRTA		Other	Chromatogram	Soxhlet
eceived by: (signature)	Date/Time:		Federal City	21 J	21 J Brownfield		School MBTA	ρq				AIHA-LAP, LLC	Non Soxhlet

rable of Contents

39 Spruce St.

East Longmeadow, MA. 01028

P: 413-525-2332 F: 413-525-6405



Doc# 277 Rev 5 2017

www.contestlabs.com Login Sample Receipt Checklist - (Rejection Criteria Listing - Using Acceptance Policy) Any False Statement

	d By	RIF		Date	69	117	Time	1813	
	-		~ ·	No Cooler			7	No Ice	
low were the		In Cooler					<u> </u>	-	
receive	ed?	Direct From	Sample 9	ampled so	anedai	Ambient		Melted Ice	
Were sampl	es within		By Gun # _	(ہے		Actual Temp		<u> </u>	
Temperature		-	By Blank #			Actual Temp	÷		
	ustody Se	al Intact?	<i>LX</i>	_/	Were Sa	mples Tampe	red with?	F	<u></u>
Was C	OC Reling	uished?			Agree Wit	h Samples?	<u> </u>		
Are there	e broken/le	eaking/loose cap	os on any sa	mples?	+	1	ina tima?	,	
COC in ink	/ Legible?	T		Were sam	ples receive	ed within hold	ing uner		
Did COC in	clude all	Client?		Analysis?		Sampler		<u> </u>	<u> </u>
ertinent Info	ormation?	Project?		ID's?	<u> </u>	Collection Da	tes/ imes	·	
Are San	nple labels	filled out and le	gible?	T		110			
	ere Lab to		<u>T</u> _			s notified?	<u></u>		
Are there R	lushes?	Ŧ		Who was r		<u> </u>			
re there Sho		F		Who was r	notified?	<u>H</u>			
Is ther	e enough	Volume?	T						
Is there	e Headspa	ce where applic	able?	<u> </u>	MS/MSD?				·
Proper M	edia/Conta	iners Used?			•	ng samples r	equirear	1	
Vere trip bla	nks receive	ed?	F		On COC?	<u> </u>	Base 1	· .	
Do All	Camples L	lave the proper	nH?	Acid T			Dase	<u> </u>	
DO WII	Samples	iate the proper	PI II	manuscriptor and the second property					
		CONTINUES.	ll.				16	3 oz Δmb	
/igis		Containers: 1 Liter Amb.	()	1 Liter F		#		3 oz Amb.	
/ials Jnp-		Containers: 1 Liter Amb. 500 mL Amb.	1	1 Liter F 500 mL	Plastic		802	: Amb/Clear	
/iais Jnp- HCL-	1	Containers: 1 Liter Amb. 500 mL Amb. 250 mL Amb.	#	1 Liter F 500 mL 250 mL	Plastic Plastic	# 	8oz 4oz	: Amb/Clear : Amb/Clear	
/ials Jnp- HCL- Meoh-	1	Containers: 1 Liter Amb. 500 mL Amb. 250 mL Amb. Col./Bacteria	4	1 Liter F 500 mL 250 mL Flash	Plastic Plastic point		8oz 4oz	: Amb/Clear : Amb/Clear : Amb/Clear	
/ials Jnp- HCL- Meoh- Bisulfate-	1	Containers 1 Liter Amb. 500 mL Amb. 250 mL Amb. Col./Bacteria Other Plastic	16	1 Liter F 500 mL 250 mL Flashp Other O	Plastic Plastic point Glass		8oz 4oz 2oz	: Amb/Clear : Amb/Clear	
Vials Unp- HCL- Meoh- Bisulfate- DI-	1	Containers: 1 Liter Amb. 500 mL Amb. 250 mL Amb. Col./Bacteria Other Plastic SOC Kit	#	1 Liter F 500 mL 250 mL Flashr Other C	Plastic Plastic point Glass Bag		8oz 4oz	: Amb/Clear : Amb/Clear : Amb/Clear	
/als Jnp- HCL- Meoh- Bisulfate- DI- Thiosulfate-	1	Containers 1 Liter Amb. 500 mL Amb. 250 mL Amb. Col./Bacteria Other Plastic	H	1 Liter F 500 mL 250 mL Flashp Other O	Plastic Plastic point Glass Bag		8oz 4oz 2oz	: Amb/Clear : Amb/Clear : Amb/Clear	
Vials Jnp- HCL- Weoh- Bisulfate- DI- Thiosulfate-	1	Containers: 1 Liter Amb. 500 mL Amb. 250 mL Amb. Col./Bacteria Other Plastic SOC Kit	#	1 Liter F 500 mL 250 mL Flashr Other C	Plastic Plastic point Glass Bag pock		8oz 4oz 2oz	: Amb/Clear : Amb/Clear : Amb/Clear	
Vials Jnp- HCL- Weoh- Bisulfate- DI- Thiosulfate- Sulfuric-	# 	Containers: 1 Liter Amb. 500 mL Amb. 250 mL Amb. Col./Bacteria Other Plastic SOC Kit Perchlorate	#	1 Liter F 500 mL 250 mL Flashp Other C Plastic Ziplo	Plastic Plastic point Glass Bag pock		8oz 4oz 2oz Frozen:	Amb/Clear Amb/Clear Amb/Clear Encore	4
Vials Jnp- HCL- Meoh- Bisulfate- DI- Thiosulfate- Sulfuric- Vials	1	Containers: 1 Liter Amb. 500 mL Amb. 250 mL Amb. Col./Bacteria Other Plastic SOC Kit Perchlorate Containers:	#	1 Liter F 500 mL 250 mL Flashp Other C Plastic Ziplo	Plastic Plastic coint Glass Bag cck Media	4	8oz 4oz 2oz Frozen:	Amb/Clear Amb/Clear Amb/Clear Encore	
Vials Unp- HCL- Meoh- Bisulfate- DI- Thiosulfate- Sulfuric- Vials Unp-	# 	Gontainers: 1 Liter Amb. 500 mL Amb. 250 mL Amb. Col./Bacteria Other Plastic SOC Kit Perchlorate Containers: 1 Liter Amb.	#	1 Liter F 500 mL 250 mL Flashr Other C Plastic Ziplo	Plastic Plastic Coint Glass Bag Cock Media	4	8oz 4oz 2oz Frozen:	Amb/Clear Amb/Clear Amb/Clear Encore 6 oz Amb. Amb/Clear	
Vials Unp- HCL- Meoh- Bisulfate- DI- Thiosulfate- Sulfuric- Vials Unp- HCL-	# 	Containers: 1 Liter Amb. 500 mL Amb. 250 mL Amb. Col./Bacteria Other Plastic SOC Kit Perchlorate Containers: 1 Liter Amb. 500 mL Amb.	#	1 Liter F 500 mL 250 mL Flashp Other C Plastic Ziplo Unused	Plastic Plastic coint Glass Bag cck Media Plastic Plastic	4	8oz 4oz 2oz Frozen:	Amb/Clear Amb/Clear Amb/Clear Encore 6 oz Amb. Amb/Clear	
Vials Jnp- HCL- Weoh- Bisulfate- DI- Thiosulfate- Sulfuric- Vials Unp- HCL- Meoh-	# 	Containers: 1 Liter Amb. 500 mL Amb. 250 mL Amb. Col./Bacteria Other Plastic SOC Kit Perchlorate Containers: 1 Liter Amb. 500 mL Amb. 250 mL Amb.	#	1 Liter F 500 mL 250 mL Flashr Other C Plastic Ziplo Unused 1 Liter F 500 mL 250 mL Flash	Plastic Plastic coint Glass Bag ock Media Plastic Plastic Plastic Plastic point	4	8oz 4oz 2oz Frozen:	Amb/Clear Amb/Clear Amb/Clear Encore 6 oz Amb, Amb/Clear Amb/Clear Amb/Clear Amb/Clear Amb/Clear	
Vials Jnp- HCL- Meoh- Bisulfate- DI- Thiosulfate- Sulfuric- Vials Unp- HCL- Meoh- Bisulfate-	# 	Containers: 1 Liter Amb. 500 mL Amb. 250 mL Amb. Col./Bacteria Other Plastic SOC Kit Perchlorate Containers: 1 Liter Amb. 500 mL Amb. 250 mL Amb. Col./Bacteria	#	1 Liter F 500 mL 250 mL Flashr Other C Plastic Ziplo Unused 1 Liter F 500 mL 250 mL	Plastic Plastic coint Glass Bag ock Media Plastic Plastic Plastic Plastic point	4	8oz 4oz 2oz Frozen: 11 8oz 4oz 2oz	Amb/Clear Amb/Clear Amb/Clear Encore 6 oz Amb. Amb/Clear	
Vials Jnp- HCL- Meoh- Bisulfate- DI- Thiosulfate- Sulfuric- Vials Unp- HCL- Meoh- Bisulfate- DI-	# 	Containers: 1 Liter Amb. 500 mL Amb. 250 mL Amb. Col./Bacteria Other Plastic SOC Kit Perchlorate Containers: 1 Liter Amb. 500 mL Amb. 250 mL Amb. Col./Bacteria Other Plastic	#	1 Liter F 500 mL 250 mL Flashr Other C Plastic Ziplo Unused 1 Liter F 500 mL 250 mL Flash	Plastic Plastic Coint Glass Bag Cock Media Plastic Plastic Plastic Plastic Plastic Plastic Plastic	4	8oz 4oz 2oz Frozen:	Amb/Clear Amb/Clear Amb/Clear Encore 6 oz Amb, Amb/Clear Amb/Clear Amb/Clear Amb/Clear Amb/Clear	# # # # # # # # # # # # # # # # # # #
Vials Jnp- HCL- Meoh- Bisulfate- DI- Thiosulfate- Sulfuric- Vials Unp- HCL- Meoh- Bisulfate-	# 	Containers: 1 Liter Amb. 500 mL Amb. 250 mL Amb. Col./Bacteria Other Plastic SOC Kit Perchlorate Containers: 1 Liter Amb. 500 mL Amb. 250 mL Amb. Col./Bacteria	#	1 Liter F 500 mL 250 mL Flashr Other C Plastic Ziplo Unused 1 Liter F 500 mL 250 mL Flash Other C	Plastic Plastic coint Glass Bag cck Media Plastic	4	8oz 4oz 2oz Frozen: 11 8oz 4oz 2oz	Amb/Clear Amb/Clear Amb/Clear Encore 6 oz Amb, Amb/Clear Amb/Clear Amb/Clear Amb/Clear Amb/Clear	#



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

V. To

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 Bab

Westfield Councilor Mary Ann Babinski Dr. Marc A. Nascarella, Ph.D/DPH

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

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



Massachusetts Department of Environmental Protection

Bureau of Waste Site Cleanup

BWSC123

This Notice is Related to: Release Tracking Number

- 200

NOTICE OF ENVIRONMENTAL SAMPLING

093 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 01085 Zip Code: 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 01085 Zip Code: 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 01103 Zip Code: 2. MCP phase of work during which the sampling will be/has been conducted: Phase III Feasibility Evaluation ✓ Immediate Response Action Phase IV Remedy Implementation Plan Release Abatement Measure ☐ Phase V/Remedy Operation Status Utility-related Abatement Measure Post-Temporary Solution Operation, Maintenance and Monitoring ☐ Phase I Initial Site Investigation ☐ Phase II Comprehensive Site Assessment ☐ Other (specify) 3. Description of property where sampling will be/has been conducted: school/playground Commercial Industrial Other ✓ residential 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 01103 City/Town: Springfield Zip Code: Email: David.bachand.jr@state.ma.us Telephone: (413) 755-2221



Massachusetts Department of Environmental Protection Bureau of Waste Site Cleanup

BWSC123

This Notice is Related to: Release Tracking Number

1		
•		- 1

20093

NOTICE OF ENVIRONMENTAL SAMPLING

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.

Revised: 5/30/2014 Page 2 of 2



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

Berry K. Mille

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

Sample Summary	3
Case Narrative	4
Sample Results	5
17F0521-01	5
Sample Preparation Information	6
QC Data	7
Miscellaneous Organic Analyses	7
B179101	7
Flag/Qualifier Summary	8
Certifications	9
Chain of Custody/Sample Receipt	10



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

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#

ATTN: Rob Smith

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

na Watshugta

Work Order: 17F0521

6/19/17 15:54

6/19/17 15:54



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

Project Location: 1355 East Mountain Rd., Westfie Sample Description:

118

120

Date Received: 6/9/2017

Field Sample #: 1355 East Mountain Rd.- 1

Sampled: 6/9/2017 10:26

Sample ID: 17F0521-01

13C-PFDA

d5-NEtFOSAA

Sample Matrix: Drinking Water

Miscellaneous	Organic Analyses

		MCL	SMCL				Date	Date/Time	
Analyte	Results	RL MAC	DRSG Units	Dilution	Flag/Qual	Method	Prepared	Analyzed	Analyst
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	i		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	S	Flag/Qual				
13C-PFHxA		120	70-130					6/19/17 15:54	

70-130

70-130



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



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			4000							
Blank (B179101-BLK1)		-		Prepared: 06	5/13/17 Anal	yzed; 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							
Perfluoroectanesulfonic 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							
VEtFOSAA	ND	2.0	ng/L							
MeFOSAA	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			
.CS (B179101-BS1)				Prepared: 00	5/13/17 Anat	yzed: 06/18/	1 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			
VEtFOSAA	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



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

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

EPA 537 in Drinking Water

Perfluorooctanoic acid (PFOA)

NH,NY

Perfluorooctanesulfonic acid (PFOS)

үи,ни

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

FO 5 ⊖ Phone: 413-525-2332	122, 443 E3E E40E
Con-test	TILL AMALTTICAL LABORATORY

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

Doc # 381 Rev 1_03242017

39 Spruce Street East Longmeadow, MA 01028

TILL ANALYTICAL LABORATORY Fax: 41	Fax: 413-525-6405	G 4				题		t as	t.ast Longmeadow, MA 01028	
	Email: info@contestlabs.com	7-Day		10-Day		33	Ė	7		# of Containers
Compagations At Coroop Service S	ر ر	Due Date:				0	2	I		² Preservation Code
S Dr.	WSPFIG HA				i i i	<u>C</u>	2	2		³ Container Code
		1-Day		3-Day			-	ANALYSI	ANALYSIS REQUESTED	endure strature anossic
Political Mar East Hountain	Rd, West field	HA 2-Day		4-Day			XQL			O Field Filtered
Project Location: 1355 East Hountain	estfield, H	А	Metal Pa	Vealur		L	.22 ,			O Lab to Filter
Project Number: 183 EH 00170		Format:	70°	EXCEL		દર	oup.			
Project Manager: Rob Smith		Other:				P	إعيا			Orestoptiospicate samples
Con-Test Quote Name/Number:		CLP Like	CLP Like Data Pkg Required:	ired:		oy.	1'>			O Field Filtered
Invoice Recipient:		Email To:				<i>†</i> ≥}	J's			O Lab to Fifter
Sampled By: Elizabeth Ciconnor		Fax To #:				√ (H			
Con-Test Client Sampa Work Order#	ite (D / Thescription		auscalus	o aug	3003 A 2380	182	lata I			Matrix Codes: GW = Ground Water
1355 East Houstein	Rd-	10 10 11 11.216		4 ×) i	×				WW = Waste Water
field b		2		┼		_				A = Air
N+107 3381	TIPO CONTOCON +300 SOCI	1.101.1		╁	+	}	1			SL = Sludge
2 (55)	$^{+}$	70:01		<u> </u>	3 2	식	X			SOL = Solid
1355 East	East Hountain Rd-2 6	6911 110:27		×	D U	×				define)
	•									
					 	<u> </u>	Ė			² Preservation Codes:
					 	ļ				
						ļ				N = Medianot
										B = Sodium Bisulfate
						<u> </u>				T = Sodium nyaroxide
Сотителть:	The state of the s									- Iniosuifate O = Other (please
Run: 1355 East Mountain Rd . 1 (EPA 537); Hold: As, Fe	1 (EPA 537); H		Hardness, Toc		lease use t	he follor	wing co	des to indicat	Please use the following codes to indicate possible sample concentration within the Cone Code column above:	define)
Hold + extract : 1355 East Hountain Rd. field blank + 1355	ntain Rd·field bla	٠,	East Mountain	α'n	Ŧ	figh; M	Medîu	m; L - Low;	H - High; M - Medium; L - Low; C - Clean; U - Unknown	*Container Codes:
Rejinquished by: (signature)	Date/Time:	7 0 7			oel Serbi	Revultrements				A = Amber Glass G = Glass
Poune	6/9/17 1813	1.2			MAA	MA MCP Required	uired	- - - - - -		P = Plastic
ture) DPS.	ly, i. * Date/Time:			O YOM	MCP Certification Form Required	Form Rec	pauni			V = Vial
ロルも					CT	CT RCP Required	uired		クトノクーラング	S = Summa Canister
plinquished by: (signature)				RCP C	RCP Certification Form Required	Form Re	po.ani		www.cortestabs.com	T ≅ Tedlar Bag O ≅ Other (please
a sceived by: (signature)	Date/Time:			Diare (P)	MA State DW Required	DW Redu	red		Section of the content of the section of the sectio	(autian)
elinquished by: (signature)	Date/Time: Pro	Project Entity		7 VU.JE. 7			200		Other	V INC BUG
		Government	en H	Municipality	<u>]</u>	₹	MWRA	☐ WRTA	Chromatogram	Soxhlet
eceived by: (signature)	Date/Time:	Federal City		21 J Brownfield	<u></u> <u></u>	₽	School MBTA		AIHA-LAP,LLC	Non Soxhlet

39 Spruce St.

East Longmeadow, MA. 01028

P: 413-525-2332 F: 413-525-6405



www.contestlabs.com

Doc# 277 Rev 5 2017

Login Sample Receipt Checklist - (Rejection Criteria Listing - Using Acceptance Policy) Any False Statement

Receive	d By	RIF		Date _	69	<u> </u>	Time	1815	
	•	In Cooler	Т	No Cooler		On Ice	T	No Ice	
ow were the								 Melted Ice	
receive	ear	Direct From	Sample 5	amplect sk	medai	Ambient	1 1 4 1	Tyleited ide	
Vere samp	les within	•	_By Gun # _	<u> </u>	F	(ctual remp			
emperatur	e? 2-6°C	F	By Blank #		F	ctual Temp	and with?		
Was C	Custody Sea	al Intact?		3	Were San	ples Tampe	ered with t	<u> </u>	····
Was C	OC Relinq	uished?		Does Chain	Agree with	Samples		<u> </u>	
Are ther	e broken/le	aking/loose cap	os on any sa	mples?	}-	ما ما ما ما ما ما ما	ing time?		
	d Legible?				oles receive	d within hold Sampler	Momo?		
Did COC in	clude all	Client?		Analysis? _		Sample: Collection Da) 	
ertinent Info	ormation?	Project?		_ID's?		POHECTION DE	169/111169:	·	
Are Sar	nple labels	filled out and le	gible?	T	NA/le e veter	natifiad?	M		
	nere Lab to	Filters?		1 2 71		notified?		· · · · · · · · · · · · · · · · · · ·	
Are there F		Ţ.		Who was r					
e there Sh	ort Holds?	工工		Who was r	otmed/	<u> </u>			
Is the	re enough '	√olume?			140/140/02				
Is there	e Headspa	ce where applic	able?		MS/MSD?	g samples r	- onuired?	F	
		iners Used?					equireu:	<u> </u>	
ere trip bla	nks receive	ed?	F		On COC?_	<u> </u>	Base ((A)	
	Samples H	AUA THA BEADAR							
Do All	Samples i	ave the proper	pm?	Acid T			Daoo	<u> </u>	15 E
Do All	Samples		pm/		lootio				
np-		1 Liter Amb.	pn/	1 Liter P			16	oz Amb.	
np- CL-	3 amples 1	1 Liter Amb. 500 mL Amb.	ph/	1 Liter P 500 mL I	Plastic		16 8oz	oz Amb. Amb/Clear	
np- CL- eoh-		Containets 1 Liter Amb. 500 mL Amb. 250 mL Amb.	pm ?	1 Liter P 500 mL I 250 mL I	Plastic Plastic	# 	16 8oz 4oz	oz Amb. Amb/Clear Amb/Clear	
np- CL- eoh- sulfate-		Liter Amb. 500 mL Amb. 250 mL Amb. Col./Bacteria	pm?	1 Liter P 500 mL I 250 mL I Flashp	Plastic Plastic point	4	16 8oz 4oz 2oz	S oz Amb. Amb/Clear Amb/Clear Amb/Clear	
als np- CL- eoh- sulfate-		1 Liter Amb. 500 mL Amb. 250 mL Amb. Col./Bacteria Other Plastic	pm?	1 Liter P 500 mL I 250 mL I Flashp Other O	Plastic Plastic point Blass	4	16 8oz 4oz 2oz	oz Amb. Amb/Clear Amb/Clear	
np- CL- eoh- sulfate- niosulfate-		1 Liter Amb. 500 mL Amb. 250 mL Amb. Col./Bacteria Other Plastic SOC Kit	pm?	1 Liter P 500 mL I 250 mL I Flashp Other O Plastic	Plastic Plastic point Blass Bag	2/	16 8oz 4oz 2oz	S oz Amb. Amb/Clear Amb/Clear Amb/Clear	
ils ip- CL- eoh- sulfate- iosulfate-		1 Liter Amb. 500 mL Amb. 250 mL Amb. Col./Bacteria Other Plastic	pm?	1 Liter P 500 mL I 250 mL I Flashp Other O Plastic Ziplo	Plastic Plastic point Blass Bag ck	4	16 8oz 4oz 2oz	S oz Amb. Amb/Clear Amb/Clear Amb/Clear	
als np- CL- eoh- sulfate- iosulfate-		1 Liter Amb. 500 mL Amb. 250 mL Amb. Col./Bacteria Other Plastic SOC Kit	pm?	1 Liter P 500 mL I 250 mL I Flashp Other O Plastic	Plastic Plastic point Blass Bag ck	4	16 8oz 4oz 2oz	S oz Amb. Amb/Clear Amb/Clear Amb/Clear	
np- CL- eoh- sulfate- niosulfate- ulfuric-		Liter Amb. 1 Liter Amb. 500 mL Amb. 250 mL Amb. Col./Bacteria Other Plastic SOC Kit Perchlorate	pm?	1 Liter P 500 mL I 250 mL I Flashp Other C Plastic Ziplo	Plastic Plastic point Blass Bag ck Media	4	16 8oz 4oz 2oz Frozen:	8 oz Amb. Amb/Clear Amb/Clear Amb/Clear Encore	
np- CL- eoh- sulfate- niosulfate- ulfuric-		Liter Amb. 500 mL Amb. 250 mL Amb. Col./Bacteria Other Plastic SOC Kit Perchlorate	pm?	1 Liter F 500 mL I 250 mL I Flashp Other C Plastic Ziplo Universit 1 Liter F	Plastic Plastic Slass Bag sck Media	2/	16 80z 40z 20z Frozen:	8 oz Amb. Amb/Clear Amb/Clear Amb/Clear Encore	
np- CL- eoh- sulfate- niosulfate- ulfuric-		Liter Amb. 1 Liter Amb. 500 mL Amb. 250 mL Amb. Col./Bacteria Other Plastic SOC Kit Perchlorate	pm?	1 Liter P 500 mL I 250 mL I Flashp Other C Plastic Ziplo	Plastic Plastic Slass Bag sck Media	<i>4</i>	16 80z 40z 20z Frozen:	3 oz Amb. Amb/Clear Amb/Clear Amb/Clear Encore 6 oz Amb. Amb/Clear	
np- CL- eoh- sulfate- niosulfate- ulfuric-		Liter Amb. 500 mL Amb. 250 mL Amb. Col./Bacteria Other Plastic SOC Kit Perchlorate Containers 1 Liter Amb. 500 mL Amb.	pm?	1 Liter P 500 mL I 250 mL I Flashp Other O Plastic Ziplo Unused 1 Liter P 500 mL 250 mL	Plastic Plastic point Blass Bag pck Media Plastic Plastic Plastic	4	16 8oz 4oz 2oz Frozen:	S oz Amb. Amb/Clear Amb/Clear Amb/Clear Encore 6 oz Amb. Amb/Clear Amb/Clear	
np- CL- eoh- sulfate- niosulfate- ulfuric-		Liter Amb. 500 mL Amb. 250 mL Amb. Col./Bacteria Other Plastic SOC Kit Perchlorate Col./Bacteria Liter Amb. Liter Amb. Liter Amb. Liter Amb. Liter Amb. Liter Amb.	pm?	1 Liter P 500 mL I 250 mL I Flashp Other C Plastic Ziplo Unused 1 Liter P 500 mL	Plastic Plastic point Blass Bag pck Media Plastic Plastic Plastic		16 8oz 4oz 2oz Frozen:	8 oz Amb. Amb/Clear Amb/Clear Encore 6 oz Amb. 2 Amb/Clear 2 Amb/Clear 2 Amb/Clear 2 Amb/Clear	
np- CL- eoh- sulfate- niosulfate- ulfuric-		Liter Amb. 500 mL Amb. 250 mL Amb. Col./Bacteria Other Plastic SOC Kit Perchlorate Containers 1 Liter Amb. 500 mL Amb. 250 mL Amb. Col./Bacteria	pm?	1 Liter F 500 mL I 250 mL I Flashp Other C Plastic Ziplo Unused: 1 Liter F 500 mL 250 mL Flashp Other C	Plastic Plastic Plastic Plastic Plasts Bag Pock Plastic Plastic Plastic Plastic Plastic Plastic Plastic Plastic		16 8oz 4oz 2oz Frozen:	S oz Amb. Amb/Clear Amb/Clear Amb/Clear Encore 6 oz Amb. Amb/Clear Amb/Clear	
als np- CL- eoh- sulfate- l- niosulfate- ulfuric- LE np- CL- leoh- isulfate-		Liter Amb. 500 mL Amb. 250 mL Amb. Col./Bacteria Other Plastic SOC Kit Perchlorate Col./Bacteria Liter Amb. Liter Amb. Liter Amb. Liter Amb. Liter Amb. Liter Amb.	pm?	1 Liter F 500 mL I 250 mL I Flashp Other C Plastic Ziplo Unused 1 Liter F 500 mL 250 mL Flashp Other C	Plastic Plastic Stass Bag Sck Wegis Plastic Plastic Plastic Plastic Stass Plastic Stass Plastic Stass	2/	16 8oz 4oz 2oz Frozen:	8 oz Amb. Amb/Clear Amb/Clear Encore 6 oz Amb. 2 Amb/Clear 2 Amb/Clear 2 Amb/Clear 2 Amb/Clear	
ais np- CL- eoh- sulfate- iniosulfate- ulfuric- als np- CL- eoh- isulfate-		Liter Amb. 500 mL Amb. 250 mL Amb. Col./Bacteria Other Plastic SOC Kit Perchlorate Containes 1 Liter Amb. 500 mL Amb. 500 mL Amb. Col./Bacteria Other Plastic	pm?	1 Liter F 500 mL I 250 mL I Flashp Other C Plastic Ziplo Unused: 1 Liter F 500 mL 250 mL Flashp Other C	Plastic Plastic Stass Bag Sck Wegis Plastic Plastic Plastic Plastic Stass Plastic Stass Plastic Stass	4	16 8oz 4oz 2oz Frozen:	8 oz Amb. Amb/Clear Amb/Clear Encore 6 oz Amb. 2 Amb/Clear 2 Amb/Clear 2 Amb/Clear 2 Amb/Clear	



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

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

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

Telephone: (413) 755-2221

Massachusetts Department of Environmental Protection Bureau of Waste Site Cleanup

BWSC123

This Notice is Related to: Release Tracking Number

1	-	20093
---	---	-------

NOTICE OF ENVIRONMENTAL SAMPLING

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 01085 Zip Code: B. This notice is being provided to the following party: 1. Name: Peter & Darlene Demers 2. Street Address: 369 Pochassic Road City/Town: Westfield 01085 Zip Code: 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. \checkmark 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 01103 City/Town: Westfield Zip Code: 2. MCP phase of work during which the sampling will be/has been conducted: ☐ Phase III Feasibility Evaluation Immediate Response Action Phase IV Remedy Implementation Plan Release Abatement Measure Phase V/Remedy Operation Status Utility-related Abatement Measure Post-Temporary Solution Operation, Maintenance and Monitoring Phase I Initial Site Investigation Phase II Comprehensive Site Assessment Other (specify) 3. Description of property where sampling will be/has been conducted: School/playground √ residential commercial industrial 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: Department of Environmental Protection Contact Name: Street Address: 436 Dwight Street City/Town: Springfield 01103 Zip Code:

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

1 -

20093

NOTICE OF ENVIRONMENTAL SAMPLING

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.

Revised: 5/30/2014 Page 2 of 2



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

Berry K. Mille

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

Sample Summary	3
Case Narrative	4
Sample Results	5
17F0800-01	5
Sample Preparation Information	6
QC Data	7
Miscellaneous Organic Analyses	7
B179482	7
Flag/Qualifier Summary	8
Certifications	9
Chain of Custody/Sample Receipt	10



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

PURCHASE ORDER NUMBER:

REPORT DATE: 6/20/2017

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#

ATTN: Rob Smith

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



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

Samule Matrix: Drinking Water									
			Miscellaneous Or	ganic Analys	es				
		MC	L/SMCL				Date	Date/Time	
Analyte	Results	RL MA	A ORSG Units	Dilution	Flag/Qual	Method	Prepared	Analyzed	Analyst
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 (PFTA)	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	I		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		% Recover	ry Recovery Limi	ts	Flag/Qual				
13C-PFHxA		126	70-130					6/18/17 23:24	
13C-PFDA		110	70-130					6/18/17 23:24	



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: 00	5/17/17 Analy	yzed: 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							
erfluorooctanesulfonic acid (PFOS)	ND	2.0	ng/L							
erfluorononanoic acid (PFNA)	ND	2.0	ng/L							
erfluorohexanoic 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							
erfluorobutanesulfonic acid (PFBS)	ND	2,0	ng/L							
NEtFOSAA	ND	2.0	ng/L							
IMeFOSAA	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			
iurrogate: d5-NEtFOSAA	197		ng/L	160		123	70-130			
LCS (B179482-BS1)				Prepared: 0	6/17/17 Anal	yzed: 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			
VEtFOSAA	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			



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

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

EPA 537 in Drinking Water

Perfluorooctanoic acid (PFOA)

NH,NY

Perfluorooctanesulfonic acid (PFOS)

NH,NY

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

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

Page 10 of 11

	つうりょー		http://www.contestlabs.com	w.cont	stlabs.co	티	# DOC	381 Re	Doc # 381 Rev 1_03242017	2017					
CON-TEST	Phone: 413-525-2332		CHAIN OF CUSTODY RECORD	CUSTO	Y RECOF	Q				39 Spruce Street East Lonomeado	ce Stree	39 Spruce Street East Longmeadow, M4 01028	Page	Page1 of1	
	Fax: 413-525-6405		a) senti aŭ		T TOTAL										
19 Web Peril State Control of the Co	Email: info@contestlabs.com	-/_	Day 🗀		10-Day (3	,,	2	-			# of (# of Containers	
Genie in Mines	ATC Group Services		Due Date: 5-day TAT	ΑŢ			0	2	I				2 Pres	² Preservation Code	·
Address: 73 W	73 William Franks Drive, West Springfield, MA	ld, MA	10.1111	is a liet	क्ष्मी मिन्द्राधान्त्र	1	a.	٦ >					3 Con	³ Container Code	_
Phone: (413)	(413) 781-0070	1	1-Day	3-Day	D Ar			-:	ANAL	ANALYSIS REQUESTED	OUES	ED	次圖	President America Samples	(49)
369E	369 Pochassic Rd, Westfield	7-	2-Day	4-Day		-		OOT					0	O Field Filtered	
ation:	369 Pochassic Rd, Westfield		4					'ss					A CO	Lab to Filter	
Project Number; 183E	183EM00170	펐	Format: PDF 🖸	EXCEL.	<u>급</u>	E)	£5 (DNE							_
Project Manager: Rob S	Rob Smith	Ò	Other:				HOL	ıЯA⊩					6		1000
Con-Test Quote Name/Number:		0	3. Like Data Pkg Required:	Require	ij		TET	ı 'ə					Q	O Field Filtered	
Invoice Reciplent:		E	smail To;				V ∀d						O.	O Lab to Filter	
	Elizabeth O'Connor	꾜	Fax To #:				3	 ⁄			··· .				
Con-Text Work Orde#	Client Semple ID // Description	Beginning Date/Time D	Ending Composite	te Grab	Matrix Code	Sode X		101		, 			- 0	1 <u>Matrix Codes:</u> GW = Ground Water	
3691	369 Pochassic Rd - field blank	6/14/2017	16:12	×	Ma	⊃	×							WW = Waste Water DW = Drinking Water	
369 F	369 Pochassic Rd - 1	6/14/2017	16:28	×	Ma	1	×	×						A "Air	
1 395 1	369 Pochassic Rd - 2	6/14/2017	16:29	×	WG.	2	×	<u> </u>						SL Sludge	
													(8) 	0 = Other (please	
								 						define)	, , , , , , , , , , , , , , , , , , ,
													C -	2 Preservation Codes:	·
										<u> </u>				H=HCL	
														N = Nitric Acid	
														S = Sultunc Acid B = Sodium Bisulfate	
													<u> </u>	Sodium Hydroxide	
Comments:			:		7] ;				,		<u> </u>	Thiosulfate	
EXTRACT & HOLD EPA Method 537: 369 Pochassic Rd-field blank & 369 Pochassic Rd-2	kur i 69 Pochassic Rd-field blank & 36	19 Pochassic R	d-2			on as	e TOLLOW	ing coo	towing codes to indicate possible sam within the Conc Code column above:	cate po de cotu	ssible son	riease use the rottowing codes to indicate possible sample concentration within the Conc Code column above:	(10)4)	define)	
HOLD As, Fe, Hardness, TOC						Ī	 ₩.	Medium); L - Lo	ن ن چ	lean; 1	H - High; M - Medium; L - Low; C - Clean; U - Unknown		Container Codes:	
Relinguished by: (signature)	02018 6 MIT 1810	0.000000	initi iteatini and	9	Specia	ecial Requifrements MA MCP Requi	equifrentents WA MCP Required	red						G = Glass P = Plastic	
Redeive (by (signature)	Dave/Time:			$\left \cdot \right $	MCP Cert	MCP Certification Form Required	rm Requ	ired			Č	LVUI GO		ST = Sterile V = Vial	1,17
)	2	Section of the section of				CTRC	CT RCP Required	red				STATISTICS OF THE PARTY OF THE	lia:	S = Summa Canister	
Kernquisned by: (signature)	iyate/ /ime:	5		_	RCP Cert	RCP Certification Form Required	ırm Redi	üred				www.contostiads.com		T = Tedlar Bag O = Other (please	, , , , , , , , , , , , , , , , , , ,
Received by: (signature)	Date/Time:	Philippe William Assess			1 1	MA State DW Required	W Requir	一背				Chang Naturn Constitution (Financia)		define)	
	-			₹	PWSID #			-	NEW YEAR		W.1.A	ne NELKGard Alba-LAPathig segredied			
Kelinquished by: (signature)	Date/Time:	ct Entil	vernment	Mun	Municipality		MWRA	□ ≴	WRTA		Other 🗆	Chromatogram		PCB ONLY Soxhlet	
Received by: (signature)	Date/Time:		Federal City	21 J Brow	21 J Brownfield		School	<u>ک</u> کو		•		AIHA-LAP,LLC	<u> </u>	Non Soxhlet	
				i	1]	:			1			-		7

39 Spruce St. East Longmeadow, MA. 01028

P: 413-525-2332 F: 413-525-6405



www.contestlabs.com

Doc# 277 Rev 5 2017

Login Samp	le Receipt	Checklist - (Re	ejection Crit	eria Listing	- Using Acc	ceptance Poli	cy) Any Fa	alse Statement	
	^	will be brought	t to the atter	ition of the	Client - Sta	te irue oi rai	Se		
Client	<u>ATC</u>			D-1-	* i) i		Time	18:10	
Receive	ed By	<u> PB </u>		Date	6.14.1		111110		
How were the	e samples	In Cooler		No Cooler		On Ice _		No Ice	
receive	ed?	Direct From	Sample			Ambient		Melted Ice	
Were samp	les within	DHOCTION	By Gun #	<u> </u>	•	Actual Temp	4.8		
Temperatur		~	By Blank #			Actual Temp -		4.44	
	Custody Sea	al Intact?	NA		Were Sar	mples Tamper	ed with?	<u>_</u> F	
	COC Reling			Does Chair	n Agree Witl	h Samples?			
		eaking/loose car	os on any sa	mples?	F				
Is COC in inl				Were sam	ples receive	ed within holdir	ng time?		
Did COC in		Client?	T	Analysis?		Sampler N			****
pertinent Info		Project?		ID's?		Collection Da	tes/Times	<u> </u>	
Are Sar	nple labels	filled out and le	gible?						
	here Lab to		F			s notified?			
Are there F		=		Who was					
Are there She	ort Holds?	F		Who was	notified?				
	re enough \		T			·	, <u>, , , , , , , , , , , , , , , , , , </u>		
		ce where applic	able?	NA	MS/MSD?				
		iners Used?				mples required	<u></u>		
Were TB's re	eceived?	F			On COC?	<u> 179</u>	D-55		
Do All	Samples H	lave the proper		Acid			Base		
Vials:	#	Centainers	#			4	4.0		T T
Unp-		1 Liter Amb.		1 Liter		<u> </u>		oz Amb.	
HCL-	2	500 mL Amb.		500 mL				Amb/Clear	┼
Meoh-		250 mL Amb.		250 mL		2		Amb/Clear Amb/Clear	<u> </u>
Bisulfate-		Col./Bacteria	<u> </u>	Flash		<u> </u>			
DI-		Other Plastic		Other		<u> </u>		Encore	٠
Thiosulfate-	<u></u>	SOC Kit		Plastic		<u> </u>	Frozen:		
Sulfuric-		Perchlorate	- The second of the second	Zipl	OCK	a San Garan	and a second		
				Unused	Media				
Vials	#	Cionalmine						#	
Unp-		1 Liter Amb.		1	Plastic			oz Amb.	
HCL-		500 mL Amb.			Plastic			Amb/Clear	
HCL- Meoh-		250 mL Amb.			Plastic			Amb/Clear	4
Bisulfate-		Col./Bacteria			npoint			Amb/Clear	ļ
DI-		Other Plastic			Glass			Encore	
Thiosulfate-		SOC Kit			lc Bag		Frozen:		
Sulfuric-		Perchlorate		Zipl	lock		<u></u>		
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

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

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

Massachusetts Department of Environmental Protection Bureau of Waste Site Cleanup

BWSC123

This Notice is Related to: Release Tracking Number

1	-	20093
---	---	-------

NOTICE OF ENVIRONMENTAL SAMPLING

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 01085 Zip Code: B. This notice is being provided to the following party: 1. Name: Peter & Darlene Demers 2. Street Address: 369 Pochassic Road City/Town: Westfield 01085 Zip Code: C. This notice is being given to inform its recipient (the party listed in Section B):

<u> </u>	results are attached. (If item 2. above is checked, the analytical results from attached to this notice.)
D. Location of the property where the envi	ronmental sampling will be/has been conducted:
City/Town: Westfield	Zip Code: <u>01103</u>
2. MCP phase of work during which the samp	oling will be/has been conducted:
 ✓ Immediate Response Action ☐ Release Abatement Measure ☐ Utility-related Abatement Measure ☐ Phase I Initial Site Investigation 	 ☐ Phase III Feasibility Evaluation ☐ Phase IV Remedy Implementation Plan ☐ Phase V/Remedy Operation Status ☐ Post-Temporary Solution Operation, Maintenance and Monitoring

1. That environmental sampling will be/has been conducted at property owned by the recipient of this notice.

3. Description of property where sampling will be/has been conducted: school/playground ✓ residential commercial industrial I IOther 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:

☐ Phase II Comprehensive Site Assessment ☐ Other

Department of Environmental Protection Contact Name:

Street Address: 436 Dwight Street

City/Town: Springfield Telephone: (413) 755-2221

01103 Zip Code:

Email: David.bachand.jr@state.ma.us

(specify)



Massachusetts Department of Environmental Protection Bureau of Waste Site Cleanup

BWSC123

This Notice is Related to: Release Tracking Number

1 -

20093

NOTICE OF ENVIRONMENTAL SAMPLING

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.

Revised: 5/30/2014 Page 2 of 2



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

Berry K. Mille

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

Sample Summary	3
Case Narrative	4
Sample Results	5
17F0800-01	5
Sample Preparation Information	6
QC Data	7
Miscellaneous Organic Analyses	7
B179482	7
Flag/Qualifier Summary	8
Certifications	9
Chain of Custody/Sample Receipt	10



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

PURCHASE ORDER NUMBER:

REPORT DATE: 6/20/2017

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#

ATTN: Rob Smith

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



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

Samule Matrix: Drinking Water									
			Miscellaneous Or	ganic Analys	es				
		MC	L/SMCL				Date	Date/Time	
Analyte	Results	RL MA	A ORSG Units	Dilution	Flag/Qual	Method	Prepared	Analyzed	Analyst
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 (PFTA)	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	I		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		% Recover	ry Recovery Limi	ts	Flag/Qual				
13C-PFHxA		126	70-130					6/18/17 23:24	
13C-PFDA		110	70-130					6/18/17 23:24	



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: 00	5/17/17 Analy	yzed: 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							
erfluorooctanesulfonic acid (PFOS)	ND	2.0	ng/L							
erfluorononanoic acid (PFNA)	ND	2.0	ng/L							
erfluorohexanoic 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							
erfluorobutanesulfonic acid (PFBS)	ND	2,0	ng/L							
NEtFOSAA	ND	2.0	ng/L							
IMeFOSAA	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			
iurrogate: d5-NEtFOSAA	197		ng/L	160		123	70-130			
LCS (B179482-BS1)				Prepared: 0	6/17/17 Anal	yzed: 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			
VEtFOSAA	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			



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

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

EPA 537 in Drinking Water

Perfluorooctanoic acid (PFOA)

NH,NY

Perfluorooctanesulfonic acid (PFOS)

NH,NY

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

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

Page 10 of 11

	つうりょー		http://www.contestlabs.com	w.cont	stlabs.co	티	# DOC	381 Re	Doc # 381 Rev 1_03242017	2017					
CON-TEST	Phone: 413-525-2332		CHAIN OF CUSTODY RECORD	CUSTO	Y RECOF	Q				39 Spruce Street East Lonomeado	ce Stree	39 Spruce Street East Longmeadow, M4 01028	Page	Page1 of1	
	Fax: 413-525-6405		a) sentiara		T TOTAL										
19.00 heat bit for a first for a first state of the	Email: info@contestlabs.com	-/_	Day 🗀		10-Day (3	,,	2	-			# of (# of Containers	 -
Gemean Manes	ATC Group Services		Due Date: 5-day TAT	ΑŢ			0	2	I				2 Pres	² Preservation Code	·
Address: 73 W	73 William Franks Drive, West Springfield, MA	ld, MA	10.1111	is a liet	क्ष्मी मिन्द्राधान्त्र	1	a.	٦ >					3 Con	³ Container Code	_
Phone: (413)	(413) 781-0070	1	1-Day	3-Day	D Ar			-:	ANAL	ANALYSIS REQUESTED	OUES	ED	沙廳	President America Samples	(49)
369E	369 Pochassic Rd, Westfield	7-	2-Day	4-Day		-		OOT					0	O Field Filtered	
ation:	369 Pochassic Rd, Westfield		4					'ss					A CO	Lab to Filter	
Project Number; 183E	183EM00170	펐	Format: PDF 🖸	EXCEL.	<u>급</u>	E)	£5 (DNE							_
Project Manager: Rob S	Rob Smith	Ò	Other:				HOL	ıЯA⊩					6		1000
Con-Test Quote Name/Number:		0	3.P Like Data Pkg Required:	Require	ij		TET	ı 'ə					Q	O Field Filtered	
Invoice Reciplent:		E	smail To;				V ∀d						O.	O Lab to Filter	
	Elizabeth O'Connor	꾜	Fax To #:				3	 ⁄			··· .				
Con-Text Work Orde#	Client Semple ID // Description	Beginning Date/Time D	Ending Composite	te Grab	Matrix Code	Sode X		101		, 			- 0	1 <u>Matrix Codes:</u> GW = Ground Water	
3691	369 Pochassic Rd - field blank	6/14/2017	16:12	×	Ma	⊃	×							WW = Waste Water DW = Drinking Water	
369 F	369 Pochassic Rd - 1	6/14/2017	16:28	×	Ma	1	×	×						A "Air	
1 395 1	369 Pochassic Rd - 2	6/14/2017	16:29	×	WG.	2	×	<u> </u>						SL Sludge	
													(8) 	0 = Other (please	
								 		ļ				define)	, , , , , , , , , , , , , , , , , , ,
													C1 -	2 Preservation Codes:	·
										·				H=HCL	
														N = Nitric Acid	
														S = Sultunc Acid B = Sodium Bisulfate	
														Sodium Hydroxide	
Comments:			:		7] ;				,		<u> </u>	Thiosulfate Onther Interce	
EXTRACT & HOLD EPA Method 537: 369 Pochassic Rd-field blank & 369 Pochassic Rd-2	kur i 69 Pochassic Rd-field blank & 36	19 Pochassic R	d-2			es nas	e TOLLOW	ing coo	towing codes to indicate possible sam within the Conc Code column above:	cate po de cotu	ssible son	riease use the rottowing codes to indicate possible sample concentration within the Conc Code column above:	(10)4)	define)	
HOLD As, Fe, Hardness, TOC						Ī	 ₩.	Medium); L - Lo	ن ن چ	lean; 1	H - High; M - Medium; L - Low; C - Clean; U - Unknown		Container Codes:	
Relinguished by: (signature)	02018 6 M 7 1810	100000	initi iteatini and	9	Specia	ecial Requifrements MA MCP Requi	equifrentents WA MCP Required	red						G = Glass P = Plastic	
Redeive (by (signature)	Dave/Time:			$\left \cdot \right $	MCP Cert	MCP Certification Form Required	rm Requ	ired			Č	LVUI GO		ST = Sterile V = Vial	1,11
)	2	Section of the section of				CTRC	CT RCP Required	red				STATISTICS OF THE PARTY OF THE	lia:	S = Summa Canister	
Kernquisned by: (signature)	iyate/ /ime:	55		_	RCP Cert	RCP Certification Form Required	ırm Redi	üred				www.contostiads.com		T = Tedlar Bag O = Other (please	, , , , , , , , , , , , , , , , , , ,
Received by: (signature)	Date/Time:	Philippe William Assess			1 1	MA State DW Required	W Requir	一背				Chang Naturn Constitution (Financia)		define)	
	-			₹	PWSID #			-	NEW YEAR		W.1.A	ne NELKGard Alba-LAPathig segredied			V. 748
Kelinquished by: (signature)	Date/Time:	ct Entil	vernment	Mun	Municipality		MWRA	□ ≴	WRTA		Other 🗆	Chromatogram		PCB ONLY Soxhlet	
Received by: (signature)	Date/Time:		Federal City	21 J Brow	21 J Brownfield		School	<u>ک</u> کو		•		AIHA-LAP,LLC	<u> </u>	Non Soxhlet	
				i	1]	:			1			-		7

39 Spruce St. East Longmeadow, MA. 01028

P: 413-525-2332 F: 413-525-6405



www.contestlabs.com

Doc# 277 Rev 5 2017

Login Samp	le Receipt	Checklist - (Re	ejection Crit	eria Listing	- Using Acc	ceptance Poli	cy) Any Fa	alse Statement	
	^	will be brought	t to the atter	ition of the	Client - Sta	te irue oi rai	Se		
Client	<u>ATC</u>			D-1-	* i) i		Time	18:10	
Receive	ed By	<u> PB</u>		Date	6.14.1		111110		
How were the	e samples	In Cooler		No Cooler		On Ice		No Ice	
receive	ed?	Direct From	Sample			Ambient		Melted Ice	
Were samp	les within	DHOCTION	By Gun #	<u> </u>	•	Actual Temp	4.8		
Temperatur		~	By Blank #			Actual Temp -		4.44	
	Custody Sea	al Intact?	NA		Were Sar	mples Tamper	ed with?	<u>_</u> F	
	COC Reling			Does Chair	n Agree Witl	h Samples?			
		eaking/loose car	os on any sa	mples?	F				
Is COC in inl				Were sam	ples receive	ed within holdir	ng time?		
Did COC in		Client?	T	Analysis?		Sampler N			****
pertinent Info		Project?		ID's?		Collection Da	tes/Times	T	
Are Sar	nple labels	filled out and le	gible?						
	here Lab to		F			s notified?			
Are there F		=		Who was					
Are there She	ort Holds?	F		Who was	notified?				
	re enough \		T			·	, <u>, , , , , , , , , , , , , , , , , , </u>		
		ce where applic	able?	NA	MS/MSD?				
		iners Used?				mples required	<u></u>		
Were TB's re	eceived?	F			On COC?	<u> 179</u>	D-55		
Do All	Samples H	lave the proper		Acid			Base		
Vials:	#	Centainers	#			4	4.0		T T
Unp-		1 Liter Amb.		1 Liter		<u> </u>		oz Amb.	
HCL-	2	500 mL Amb.		500 mL				Amb/Clear	┼
Meoh-		250 mL Amb.		250 mL		2		Amb/Clear Amb/Clear	<u> </u>
Bisulfate-		Col./Bacteria	<u> </u>	Flash		<u> </u>			
DI-		Other Plastic		Other		<u> </u>		Encore	٠
Thiosulfate-	<u></u>	SOC Kit		Plastic		<u> </u>	Frozen:		
Sulfuric-		Perchlorate	- The second of the second	Zipl	OCK	a San Garan	and a second		
				Unused	Media				
Vials	#	Cionalmine						#	
Unp-		1 Liter Amb.		1	Plastic			oz Amb.	
HCL-		500 mL Amb.			Plastic			Amb/Clear	
HCL- Meoh-		250 mL Amb.			Plastic			Amb/Clear	4
Bisulfate-		Col./Bacteria			npoint			Amb/Clear	ļ
DI-		Other Plastic			Glass			Encore	
Thiosulfate-		SOC Kit			lc Bag		Frozen:		
Sulfuric-		Perchlorate		Zipl	lock		<u></u>		
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.

Notice of Environmental Sampling 20 Old Holyoke 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 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

V. The

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

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

Massachusetts Department of Environmental Protection *Bureau of Waste Site Cleanup*

BWSC123

This Notice is Related to: Release Tracking Number

1	20093
---	-------

NOTICE OF ENVIRONMENTAL SAMPLING

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 N	lumber (provided above):
1.	Street Address: 175 Falcon Drive			
	City/Town: Westfield	Zip Code:	01085	
В.	This notice is being provided to the follow	ving 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 re-	cipient (the	party listed in Section B):
	1. That environmental sampling will be/h	nas been con	ducted at property owned	by the recipient of this notice.
	2. Of the results of environmental samp	lina conducte	ed at property owned by th	ne recipient of this notice.
	·	-		
	√ 3. Check to indicate if the analytical rest the environmental sampling must be att		•	checked, the analytical results from
ח	Location of the property where the enviro	nmental san	nnling will be/has been d	conducted:
	Street Address: 20 Old Holyoke Road	minoman out	inpining in in bolling book	
	City/Town: Westfield	Zip Code:	01103	
.g	MCP phase of work during which the samplir	•	heen conducted:	
	✓ Immediate Response Action	_	e III Feasibility Evaluation	
	Release Abatement Measure		e IV Remedy Implementa e V/Remedy Operation S	
	☐ Utility-related Abatement Measure ☐ Phase I Initial Site Investigation			ration, Maintenance and Monitoring
	Phase II Comprehensive Site Assessmen	t	r(specify)	
3.	Description of property where sampling will be	e/has been		
	☑residential ☐commercial ☐			Other
				(specify)
	Description of the sampling locations and typene of this notice.	oes (e.g., soil	, groundwater, indoor air,	soil gas) to the extent known at the
	drinking water sample was collected f	•		he above-referenced
pr	operty and analyzed for PFAS via EP	A Method :	537.1.	
	and the second s			
	Contact information related to the party pro-	_	notice:	
	ntact Name: Department of Environmental reet Address: 436 Dwight Street	FIOLEGROII		
	ty/Town: Springfield	Zip Code:	01103	
	elephone: (413) 755-2221	•	avid.bachand.jr@state.ma	i.us



Massachusetts Department of Environmental Protection Bureau of Waste Site Cleanup

BWSC123

This Notice is Related to: Release Tracking Number

|--|

20093

NOTICE OF ENVIRONMENTAL SAMPLING

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.

Revised: 5/30/2014 Page 2 of 2



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

Keny K. Mille

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

Sample Summary	3
Case Narrative	4
Sample Results	5
17F0517-01	5
Sample Preparation Information	6
QC Data	7
Miscellaneous Organic Analyses	7
B179101	7.
Flag/Qualifier Summary	8
Certifications	9
Chain of Custody/Sample Receipt	10



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

PURCHASE ORDER NUMBER:

REPORT DATE: 6/21/2017

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#

ATTN: Rob Smith

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.

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.

na Watchington

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



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

			Misc	cellaneous Org	ganic Analys	es				
			MCL/SMCL					Date	Date/Time	
Analyte	Results	RL	MA ORSG	Units	Dilution	Flag/Qual	Method	Prepared	Analyzed	Analyst
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	i		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	i		EPA 537	6/13/17	6/18/17 20:14	BLM
Surrogates		% Reco	very Re	ecovery Limits	5	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	



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	



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

Miscellaneous Organic Analyses - Quality Control

A malasta	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Analyte	Resuit	1.1811	Oitte	reset	INCOUR	/uktrc	Tumo	МЪ	Link	110163
atch B179101 - EPA 537										
lank (B179101-BLK1)				Prepared: 06	5/13/17 Analy	yzed: 06/19/	17			
Perfluoroundecanoic acid (PFUnA)	ND	2.0	ng/L							
Perfluorotridecanoic acid (PFTrDA)	ND	2.0	ng/L							
erfluorotetradecanoic acid (PFTA)	ND	2.0	ng/L							
erfluorooctanoic acid (PFOA)	ND	2.0	ng/L							
erftuorooctanesulfonic acid (PFOS)	ND	2.0	ng/L							
erfluorononanoic acid (PFNA)	. ND	2.0	ng/L							
erfluorohexanoic acid (PFHxA)	ИD	2.0	ng/L							
erfluorohexanesulfonic acid (PFHxS)	ND	2.0	ng/L							
erfluoroheptanoic acid (PFHpA)	ND	2.0	ng/L							
Perfluorododecanoic acid (PFDoA)	ND	2.0	ng/L							
erfluorodecanoic acid (PFDA)	ND	2.0	ng/L							
erfluorobutanesulfonic acid (PFBS)	ND	2.0	ng/L							
IEtFOSAA	ND	2.0	ng/L							
IMeFOSAA	ND	2.0	ng/L							
urrogate: 13C-PFHxA	37,0		ng/L	40.0		92.4	70-130			
urrogate: 13C-PFDA	37.2		ng/L	40.0		93.0	70-130			
urrogate: d5-NEtFOSAA	156		ng/L	160		97.4	70-130			
.CS (B179101-BS1)				Prepared: 00	5/13/17 Anal	yzed: 06/18	/17			
erfluoroundecanoic 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			
erfluorotetradecanoic acid (PFTA)	25.1	2.0	ng/L	20.0		125	70-130			
erfluorooctanoic acid (PFOA)	25.6	2.0	ng/L	20.0		128	70-130			
erfluorooctanesulfonic acid (PFOS)	21.9	2.0	ng/L	18.5		118	70-130			
erfluorononanoic 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			
erfluoroheptanoic 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			
erfluorodecanoic acid (PFDA)	25.6	2.0	ng/L	20.0		128	70-130			
erfluorobutanesulfonic acid (PFBS)	22.6	2.0	ng/L	17.7		128	70-130			
VEtFOSAA	25.9	2.0	ng/L	20.0		130	70-130			
IMeFOSAA	25.8	2.0	ng/L	20.0		129	70-130			
erfluoropentanoic acid (PFPeA)	24,1	2.0	ng/L	20.0		120	70-130			
urrogate: 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
urrogate: d5-NEtFOSAA	265		ng/L	160		166	* 70-130			S-23



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

*	QC result is outside of established limits.
Ť	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

EPA 537 in Drinking Water

Analyte

Certifications

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

CHAIN OF CUSTODY RECORD

39 Spruce Street Eastiongmeadow, MA 01028

ANALYTICAL LABORATORY	Email: info@contestlabs.com	gcontestlab	s.com	ĸ	Rev 04.05.12	9	M		2				# of Containers
	www.contestlabs.com	tlabs.com					0	2	I				** Preservation
Company Name: ATC CAROUP Services	Vices		Telephone	(413) 781-0070	81.00	10	Ρ	P	<u> </u>				***Container Code
Address: 73 William Franks i	Dr.	117 - 117 - 117 - 117 - 117	Project #	183.EH 00(70	00(7(0			ANAL	ISIS REC	ANALYSIS REQUESTED		Dissolved Metals
West Spring Field MA 01089	1A 0108	6	Client PO#					70/					O Field Filtered
Attention: Rob Smith	a secondario		DATA DELIVI	JVERY (check all	k all that apply)		LE	. 55					O Lab to Filter
Project Location: 20 old Holyoke Rd, Westfield, MA	d Westfi				EDSILE		9 h	גקטנ			-		***Cont. Code:
Sampled By: Elizabeth O'Connor	٥ر		Email:				204-	' אמי					A=amber glass
Project Proposal Provided? (for billing purposes) O yes			Format	O PDF O	O EXCEL (OGIS	HaM	'21'st					P=plastic ST=sterile
	1	Š	Collection	C "Enhanced Data Package"	ed Data Pa	ckage"	H0	1)					V≃ vial
Con-Test Lab ID Client Sample ID / Description	Description	Date/ster	Contraction of the Contraction o	Composite	Grab	Natra Canc Cada		ptoT					S=summa can T=tedlar bag
20 oid Holyoke Rd-	d- field blank	11/b/o	16:19		×	D md	X						0=Other
20 Old Holyoke Rd-1	Rd-1	11/5/9	16:29		<u>д</u> ×	ر ا	×	×					* * Dracconvertions
20 Old Holyoke Rd-	Rd-2	blalin	16:30		×	⊃ 3 ₂	×						l≃ lœd
													M = Methanol
													N = Nitric Acid
								T					B = Sodium bisulfate
								<u> </u>					X= Na hydroxide T= Na thiosulfate
										L			0 = Other 17/12 p)Q
										_			*Matrix Code:
													WW=wastewater
Comments: Ron: 20 Old Helyoke Rd-1 (EPA 537); Hod. As, Fe, Hardness,	1); HOH. A	ls,fe, Has	dness, toc	J	<u>a</u>	Hease use	the follo y be hig	wring co	odes to let ocentration	Con-Test in Matrix/	use the following codes to let Con-Test know if a specific may be high in concentration in Matrix/Conc. Code Box:	Please use the following codes to let Con-Test know if a specific sample may be high in concentration in Matrix/Conc. Code Box:	
Extract +Hold: 20 old Holyoke Rd. Field blank +	d blank +	20 Old Holyoke	lyoke Rd-2	4	1		High: M	Per	Medium: L. Low: C. Chan: U		H. High: M Medium: L. Low: C Clean: U. Loknown	- Linknown	- S = soil/solid SL = sludge
Relinquished by: (signature)	Date/Time:	Turna	puno.	Detection Limit Requirements	n Limit	Require	ments		S YOUR	projec	202	is your project MCP or RCP?	o other
ature)		ם כ	f-Lay f0-Day	Massachusells	#15:				Õ	fCP Form	○ MCP Form Required		
inquished by: (signature)	Date/Time:	8	Other RUSH 1	Connecticut					ÖŌ	CP Form	RCP Form Required MA State DW Form R	C RCP Form Required MA State DW Form Required PWSID#	#QIS/
e deived by: (signature)	Date/Time:	0 24-Hr 0 148-Hr	148-Hr 14-Dav								S. C.	NELA	NELAC & AIHA-LAP, LLC Accredited
) of		Require I	Require lab approvat	Other					Name of the Control o		型	#71 h	WBE/DBE Certified
LIURNAROUND TIME STARTS AT 9:00 A.M. THE DAY AFTER SAMPLE RECEIPT UNLESS THERE ARE QUESTION: NCORRECT, TURNAROUND TIME WILL NOT START UNTIL ALL QUESTIONS ARE ANSWERED BY OUR CLIENT,	E DAY AFTER START UNTIL	SAMPLE R	TIONS ARE	ESS THERE	ARE QU BY OUR	ESTIONS	ON YOU	R CH	NIN. IF TH	IS FORM	IS NOT FIL	LED OUT C	UNLESS THERE ARE QUESTIONS ON YOUR CHAIN. IF THIS FORM IS NOT FILLED OUT COMPLETELY OR RE ANSWERED BY OUR CLIENT.

39 Spruce St.

East Longmeadow, MA. 01028

P: 413-525-2332 F: 413-525-6405



Doc# 277 Rev 5 2017

www.contestlabs.com Login Sample Receipt Checklist - (Rejection Criteria Listing - Using Acceptance Policy) Any False Statement

\	will be brough	to the atter	ntion of the	Client - Sta	ate True or Fa	alse		
Client ATC			Date	(e) [0		Time	IRITS	
Received By	RIF					•	No Ice	<u> </u>
How were the samples	In Cooler		No Cooler		On Ice		•	
received?	Direct From	Sample 5	ampled =	pmeda	Ambient		Melted Ice	
Were samples within		By Gun#	<u> </u>		Actual Temp			
Temperature? 2-6°C	F	_By Blank #			Actual Temp		1	
Was Custody Se			<u> </u>				F	
Was COC Reling	uished?			n Agree wii	th Samples?	1		
Are there broken/le		os on any sa	mpies /		ed within hold	ing time?	·T-	
Is COC in ink/ Legible?			Analysis?	Thies receiv	Sampler	Name?		
Did COC include all	Client?		ID's?		Collection Da			
pertinent Information?	Project?	gible?	T T					
Are Sample labels Are there Lab to	- IIIICQ OUL AND IC - Eiltore?	igible ! T		Who wa	as notified?	MA		
Are there Rushes?	Timers:		Who was		LA.			
Are there Short Holds?			Who was		FM.			
Is there enough	Volume?							
Is there Headspa	ce where applic	able?	Т	MS/MSD?				,
Proper Media/Conta		T			ng samples re	equired?	F	
Were trip blanks receive	ed?	F	-	On COC?	<u> </u>			
Do All Samples H	lave the proper	pH?	Acid T			Base (\mathcal{A}	THE SOURCE STATE
	POTE INTER					40		
Unp-	1 Liter Amb.		1 Liter				oz Amb. Amb/Clear	
HCL-	500 mL Amb.		500 mL				Amb/Clear	
Meoh-	250 mL Amb.		250 mL		4	1	Amb/Clear	
Bisulfate-	Col./Bacteria		Flash			<u> </u>	Encore	
DI-	Other Plastic		Other Plastic			Frozen:		
Thiosulfate-	SOC Kit		Ziple			1 102011.		
Sulfuric-	Perchlorate							
			Unused	Meelio				
Visite	Consider	1			- 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1	46	oz Amb.	I
Unp-	1 Liter Amb.	<u> </u>	1 Liter				Amb/Clear	
HCL-	500 mL Amb.		500 mL		<u></u>		Amb/Clear	
Meoh-	250 mL Amb.		250 mL Flash				Amb/Clear	-
Bisulfate-	Col./Bacteria		Other				Encore	<u> </u>
DI-	Other Plastic	 	Plasti			Frozen:		<u>. I</u>
Thiosulfate-	SOC Kit Perchlorate	 	Zipl					
Sulfuric-	Perchiorate					<u>.l., , , , , , , , , , , , , , , , , , ,</u>		
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

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

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

Revised: 5/30/2014

Massachusetts Department of Environmental Protection Bureau of Waste Site Cleanup

BWSC123

This Notice is Related to: Release Tracking Number

1 - 20093	
-----------	--

NOTICE OF ENVIRONMENTAL SAMPLING

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 01085 Zip Code: B. This notice is being provided to the following party: 1. Name: Joseph & Donna Shibley 2. Street Address: 5 Tina Lane City/Town: Westfield 01085 Zip Code: 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 01103 Zip Code: 2. MCP phase of work during which the sampling will be/has been conducted: Immediate Response Action Phase III Feasibility Evaluation Phase IV Remedy Implementation Plan Release Abatement Measure Phase V/Remedy Operation Status Utility-related Abatement Measure Post-Temporary Solution Operation, Maintenance and Monitoring Phase I Initial Site Investigation ☐ Phase II Comprehensive Site Assessment ☐ Other (specify) 3. Description of property where sampling will be/has been conducted: commercial industrial school/playground I IOther 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: Department of Environmental Protection Contact Name: Street Address: 436 Dwight Street City/Town: Springfield 01103 Zip Code: 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

1

20093

NOTICE OF ENVIRONMENTAL SAMPLING

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.

Revised: 5/30/2014 Page 2 of 2



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

Keny K. Mille

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

Sample Summary	3
Case Narrative	4
Sample Results	5
17F0797-01	5
Sample Preparation Information	6
QC Data	7
Miscellaneous Organic Analyses	7
B179482	7
Flag/Qualifier Summary	8
Certifications	9
Chain of Custody/Sample Receipt	10



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

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#

ATTN: Rob Smith

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 fimits. 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



Project Location: 1358 East Mountain Rd., Westfie

Sample Description:

121

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

d5-NEtFOSAA

Sample Matrix: Drinking Water										
			Miscellan	eous Or	ganic Analys	es				
		M	ICL/SMCL					Date	Date/Time	
Analyte	Results	RL »	1A ORSG U	nits	Dilution	Flag/Qual	Method	Prepared	Analyzed	Analyst
Perfluoroundecanoic acid (PFUnA)	ND	2.0	n	g/L	1		EPA 537	6/17/17	6/18/17 22:46	BLM
Perfluorotridecanoic acid (PFTrDA)	ND	2,0	n	g/L ,	1 .		EPA 537	6/17/17	6/18/17 22:46	BLM
Perfluorotetradecanoic acid (PFTA)	ND	2.0	n	g/L	1		EPA 537	6/17/17	6/18/17 22:46	BLM
Perfluorooctanoic acid (PFOA)	ND	2.0	n	g/L	1		EPA 537	6/17/17	6/18/17 22:46	BLM
Perfluorooctanesulfonic acid (PFOS)	ND	2.0	n	g/L	1		EPA 537	6/17/17	6/18/17 22:46	BLM
Perfluorononanoic acid (PFNA)	ND	2.0	n	g/L	1		EPA 537	6/17/17	6/18/17 22:46	BLM
Perfluorohexanoic acid (PFHxA)	ND	2,0	n	g/L	1		EPA 537	6/17/17	6/18/17 22:46	BLM
Perfluorohexanesulfonic acid (PFHxS)	2.2	2.0	n	g/L	1		EPA 537	6/17/17	6/18/17 22:46	BLM
Perfluoroheptanoic acid (PFHpA)	ND	2.0	· n	g/L	I		EPA 537	6/17/17	6/18/17 22:46	BLM
Perfluorododecanoic acid (PFDoA)	ND	2.0	n	g/L	i		EPA 537	6/17/17	6/18/17 22:46	BLM
Perfluorodecanoic acid (PFDA)	ND	2.0	n	g/L	. 1		EPA 537	6/17/17	6/18/17 22:46	BLM
Perfluorobutanesulfonic acid (PFBS)	ND	2.0	n	g/L	1		EPA 537	6/17/17	6/18/17 22:46	BLM
NEtFOSAA	ND	2.0	n	g/L	1		EPA 537	6/17/17	6/18/17 22:46	BLM
NMeFOSAA .	ND	2.0	n	g/L	1		EPA 537	6/17/17	6/18/17 22:46	BLM
Surrogates		% Recov	cry Recove	ry Limit	S	Flag/Qual				
13C-PFHxA		120	70	-130					6/18/17 22:46	
13C-PFDA		105	70	-130					6/18/17 22:46	

70-130

6/18/17 22:46



Sample Extraction Data

Prep Method: EPA 537-EPA 537

Lub Number [Field ID]	Batch	Initial [mL]	Final [mL]	Date	-
17F0797-01 [1358 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

Australia	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Analyte	Kesuit	Limit	Gutts	Teaci	Kesun	VOINTEC	Tullia	KID	Dilliit	110103
Batch B179482 - EPA 537					**					
Blank (B179482-BLK1)				Prepared: 06	5/17/17 Anal	yzed: 06/18/1	7			
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							
VMeFOSAA	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: 00	5/17/17 Anal	yzed: 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			
NMcFOSAA	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

EPA 537 in Drinking Water

Perfluorooctanoic acid (PFOA)

NH,NY

Perfluorooctanesulfonic acid (PFOS)

NH,NY

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

Code	Description	Number	Expires
AIHA	AIHA-LAP, LLC - ISO17025:2005	100033	02/1/2018
MA	Massachusetts DEP	M-MA100	06/30/2018
СТ	Connecticut Department of Publile 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

Non Soxhlet

MBTA

Brownfield

Ç

10 of 11

Page

GW = Ground Water WW = Waste Water DW = Drinking Water ² Preservation Codes: B = Sodium Bisulfate X = Sodium Hydroxide S ≤ Summa Canister Page __1___ of ___1__ ³Container Codes: O=Other (please 0 = Other (please O = Other (please 😑 Tedlar Bag A = Amber Glass S = Sulfuric Acid PCB ONLY Matrix Codes: Preservation Code Soxhlet O Field Filtered O Field Filtered N = Nitric Acid O Lab to Filter O Lab to Filter M = Methanol Container Code I= lced ¥≥HCL ST = Sterile SL - Sludge = Sodium Thiosulfate SOL = Solid TRIZMA # of Containers P € Plastic G = Glass V = Vial define) define) AA S ≅ Soil define Please use the following codes to indicate possible sample concentration DOLLAN AMALYTICAL LABORATORY NELAC and AllActaPulled Repredited Chromatogram www.comhestishs.com 39 Spruce Street East Longmeadow, MA 01028 AIHA-LAP, LLC H - High; M - Medium; L - Low; C - Clean; U - Unknown ANALYSIS REQUESTED within the Conc Code column above: Other Doc # 381 Rev 1_03242017 WRTA I z ۵, MCP Certification Form Required CT RCP Required TOTAL AS, Fe, HARDNESS, TOC × MA MCP Required RCP Certification Form Required MA State DW Required MWRA School 0 Δ Special Requirements × × × **EPA METHOD 537** Code ⊃ \supset \supset http://www.contestlabs.com CHAIN OF CUSTODY RECORD Çğe Çğe ձ Ã š Municipality PWSID # 3-Day 4-Day desp EXCE E CLP Like Data Pkg Required: × × × Ending Composite bate/Time Due Date: 5-day TAT EN HE EXTRACT & HOLD EPA Method 537: 1358 East Mountain Rd-field blank & 1358 East Mountain Rd-2 Government Email To: 10,48 10:30 2 Fax To # Format: Federal Other: 7-Day I-Day 2-Day Project Entity Beginning Date/Time 6/14/2017 6/14/2017 6/14/2017 1910 73 William Franks Drive, West Springfield, MA Email: info@contestlabs.com 17F0797 Detertime: ,810 96 1358 East Mountain Rd - field blank 1358 East Mountain Rd, Westfield 1358 East Mountain Rd, Westfield Phone: 413-525-2332 Fax: 413-525-6405 Date/Time: Date/Time: bate//Time: Date/Time: Date/Time: T E 1358 East Mountain Rd - 2 1358 East Mountain Rd - 1 Clent Sample ID ATC Group Services Elizabeth O'Connor (413) 781-0070 RUN EPA Method 537: 1358 East Mountain Rd-1 ∞ Ť 183EM00170 Womes Rob Smith Con-Test Quote Name/Number: CON-TESK HOLD As, Fe, Hardness, TOC Relinguished by: (signature) Refinquished by: (signature) quished by: (signature) Received by: (s/ghature) Received by: (signature) Received by: (signature) Work Order# Con-Test SHEW WHITE \bar{c} Invoice Recipient: Project Location: Project Number: Project Manager: Sampled By: Address:

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								
Receiv	ed By	<u> PB</u>		Date	6.14.	17	Time	18:10	
How were th		In Cooler		No Cooler		On Ice		No Ice	
recel	vear	Direct From	Sample			Ambient		Melted Ice	
Were samp	oles within	•	By Gun#	7	1	Actual Temp	- 4.8	-	***************************************
Temperatu	re? 2-6°C	T	By Blank #		•	Actual Temp	-		
Was	Custody Se	al Intact?	NE	4	Were Sa	mples Tampe	ered with?	<u> </u>	······································
Was	COC Relind	quished?		Does Chair	n Agree Wil	h Samples?		,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	
		eaking/loose ca	ps on any sa		F				
Is COC in in	ık/ Legible?			Were sam	iples receiv	ed within hold	ling time?		
Did COC is		Client?		Analysis?	T	Sampler		工	
pertinent Int		Project?	T	ID's?	Τ	Collection	ates/Times?	<u>' T</u>	
	*	filled out and le	gible?	<u> </u>		_			
	there Lab to	Filters?	F			s notified?			
Are there		<u> </u>		Who was					
Are there Sh				Who was	notified?				
	ere enough '				****				
		ce where applic	able?	<i>179</i>	MS/MSD?	<u>NA</u>			V-1
•		iners Used?				mples require	<u> </u>		
Were TB's re		F			On COC?	<u> </u>			
		ave the proper		Acid	Ţ		Base	Control of the Contro	
		Containers	#			#		The second secon	#
Unp-		1 Liter Amb.		1 Liter F				oz Amb.	
HCL-		500 mL Amb.		500 mL				Amb/Clear	
Meoh-		250 mL Amb.		250 mL		a		Amb/Clear	
Bisulfate- DI-		Col./Bactería		Flashp			 	Amb/Clear	.
		Other Plastic		Other (ncore	
Thiosulfate- Sulfuric-		SOC Kit Perchlorate		Plastic			Frozen:		
Sununc-		Perchibitate		Ziplo	G-2010 VIII VIII VIII VIII VIII VIII VIII V	PANGANS TO KENNOWN SANGAN			
		disease arginia	ARTONIS IN ISSUE	Unused I	Media	TgP			
Vials		Containers:	#			1			H .
Unp-	~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~	1 Liter Amb.		1 Liter F				oz Amb.	
HCL-		500 mL Amb.		500 mL				Amb/Clear	
Meoh-		250 mL Amb.		250 mL l				Amb/Clear	
Bisulfate-	, , , , , , , , , , , , , , , , , , ,	Col./Bacteria		Flashp				Amb/Clear	
DI-		Other Plastic		Other C				ncore	
Thiosulfate-		SOC Kit		Plastic			Frozen:		
Sulfuric-		Perchlorate		Ziplo	ck				,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,
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

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

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

Massachusetts Department of Environmental Protection *Bureau of Waste Site Cleanup*

BWSC123

This Notice is Related to: Release Tracking Number

1 - 20093	1	-	20093
-----------	---	---	-------

NOTICE OF ENVIRONMENTAL SAMPLING

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: Michael Malloy & Susan Flint			
2.	Street Address: 14 Indian Ridge Road		<u> </u>	
	City/Town: Westfield	Zip Code:	01085	
C.	C. This notice is being given to inform its recipient (the party listed in Section B):			
	1. That environmental sampling will be/h	nas been con	ducted at property owned by the recipient of this notice.	
	2 Of the results of environmental samp	lina conducte	ed at property owned by the recipient of this notice.	
		_		
	the environmental sampling must be att		ched. (If item 2. above is checked, the analytical results from notice.)	
D. Location of the property where the environmental sampling will be/has been conducted:				
	Street Address: 14 Indian Ridge Road	initoritai oan	inplining with booking book contaction.	
	City/Town: Westfield	Zip Code:	01103	
		•		
	2. MCP phase of work during which the sampling will be/has been conducted: ☑ Immediate Response Action ☐ Phase III Feasibility Evaluation			
į	Release Abatement Measure	☐ Phas	e IV Remedy Implementation Plan	
[Utility-related Abatement Measure Phase I Initial Site Investigation		e V/Remedy Operation Status Temporary Solution Operation, Maintenance and Monitoring	
į	Phase II Comprehensive Site Assessmen		r	
_	Desire the second secon	- <i>II</i> l	(specify)	
3.	Description of property where sampling will b	_		
		Jiridustriai	(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				
		FIOLECTION	·	
	eet Address: 436 Dwight Street y/Town: Springfield	Zip Code:	01103	
	lephone: (413) 755-2221	•	avid.bachand.jr@state.ma.us	



Massachusetts Department of Environmental Protection Bureau of Waste Site Cleanup

BWSC123

This Notice is Related to: Release Tracking Number

1

20093

NOTICE OF ENVIRONMENTAL SAMPLING

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.

Revised: 5/30/2014 Page 2 of 2



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

Keny K. Mille

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

Sample Summary	3
Case Narrative	4
Sample Results	5
17F0802-01	5
Sample Preparation Information	. 6
QC Data	7
Miscellaneous Organic Analyses	7
B179482	7
Flag/Qualifier Summary	8
Certifications	9
Chain of Custody/Sample Receipt	10



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

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#

ATTN: Rob Smith

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 & 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

Work Order: 17F0802

6/18/17 23:50



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

Sample Description: Project Location: 14 Indian Ridge Rd., Westfield

Date Received: 6/14/2017

Field Sample #: 14 Indian Ridge Rd. - 1

Sampled: 6/14/2017 14:58

Sample ID: 17F0802-01

d5-NEtFOSAA

Samole Matrix: Drinking Water										
			Misco	ellaneous Org	anic Analys	es				
		N	ICL/SMCL					Date	Date/Time	
Analyte	Results	RL N	MA ORSG	Units	Dilution	Flag/Qual	Method	Prepared	Analyzed	Analyst
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		% Recov	very Re	covery Limits		Flag/Qual				
13C-PFHxA		128		70-130					6/18/17 23:50	
13C-PFDA		98.8		70-130					6/18/17 23:50	

70-130

129



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
	ATTEMAT			<u>-</u>						
Batch B179482 - EPA 537				D 100	(Kalia L. t	. b. 0./ t. 0./				
Blank (B179482-BLK1)				Prepared: 06	5/17/17 Analy	yzed: 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)	ИD	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: 00	5/17/17 Anal	yzed: 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			



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

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

EPA 537 in Drinking Water

Perfluorooctanoic acid (PFOA)

NH,NY

Perfluorooctanesulfonic acid (PFOS)

NH,NY

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

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

CON-LEST®	<u></u>	_	Phone	
•			כון-נבאנ	WALT LICHE LABORATORY

http://www.contestlabs.com

Doc # 381 Rev 1_03242017

2 Preservation Codes: < = Sodium Hydroxide</p> S = Sulfuric Acid B = Sodium Bisulfate 1 Matrix Codes: GW = Ground Water WW = Waste Water DW = Drinking Water 3 Container Codes: S = Summa Canister O = Other (please 0 = Other (please 0 = Other (please A = Amber Glass r ≅ Tedlar Bag r = Sodium ² Preservation Code TRIZMA N = Nitric Acid O Field Filtered O .Field Filtered O Lab to Filter O Lab to Filter M = Methanol ST = Sterile Container Code SL = Sludge SOL = Solid ₽ **Phiosulfate** P = Plastic V = Vial G = Glass # of Containers A = Air S = Soil define) define) H= KC define) Please use the following codes to indicate possible sample concentration East Longmeadow, MA 01028 H - High; M - Medium; L - Low; C - Clean; U - Unknown ANALYSIS REQUESTED 39 Spruce Street within the Conc Code column above I MCP Certification Form Required CT RCP Required MA MCP Required RCP Certification Form Required TOTAL As, Fe, HARDNESS, TOC MA State DW Required Special Requirements 0 × × ~ EPA METHOD 537 × 9 8 8 8 ⊃ ⊃ ⊃ CHAIN OF CUSTODY RECORD \Box Ã ձ ⋛ # QISMd Rush-Approval Requ 10-Day ta Delivery 3-Day 4-Day EXCEL CLP Like Data Pkg Required: × × × Due Date: 5-day TAT 2 Detection Limit Require Email To: 87:75 五次8 Format: 14:59 Fax To #: EXTRACT & HOLD EPA Method 537; 14 Indian Ridge Rd-field blank & 14 Indian Ridge Rd-2 Other; 7-Day -Day 2-Day Other: 6/14/2017 6/14/2017 6/14/2017 5 73 William Franks Drive, West Springfield, MA Email: info@contestlabs.com F0803 000 G/Y/O L&L 14 Indian Ridge Rd - field blank : 413-525-2332 14 Indian Ridge Rd, Westfield 14 Indian Ridge Rd, Westfield Fax: 413-525-6405 Date/Time: Date/Time: 77 77 14 Indian Ridge Rd - 2 14 Indian Ridge Rd - 1 ATC Group Services Elizabeth O'Connor (413) 781-0070 183EM00170 RUN EPA Method 537: 14 Indian Ridge Rd-1 Rob Smith Con-Test Quote Name/Number: HOLD As, Fe, Hardness, TOC linquished by: (signature) Relinquished by: (signature ceived by: (signature) Receiyed by: Aggnature かな Con-Test Work Order# Invoice Recipient: Company Name: Project Location: Project Number: Project Manager: roject Nam Sampled By: Comments: Address: none: Page 10 of 11

Chromatogram

Non Soxhlet PCB ONLY Soxhlet

AIHA-LAP, LLC

WRTA

MWRA School

Municipality

Government

Project Entity

Date/Time:

linquished by: (signature)

eceived by: (signature)

MBTA

Brownfield

Federal

Date/Time:

Ç

Other

Table of Contents

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	will be brought	to the atte		Olicite - Ote	ne mac on re		
Receiv		PB		Date	6.14.1	7	Time	18:10
How were th	e samples	In Cooler	Т	No Cooler		On Ice		No Ice
receiv	ed?	Direct From	Sample			Ambient		Melted Ice
Were samp	les within	_,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	By Gun#	7	•	Actual Temp	- 4.8	
Temperatu		T	By Blank #			Actual Temp	-	
Was (Custody Sea	al Intact?	NA					F
	COC Relinq		<u> </u>		n Agree Wit	h Samples?		
		aking/loose car	s on any sa		F			
Is COC in in			<u> </u>		•	ed within holdi		<u></u>
Did COC in		Client?		Analysis?				T
pertinent Inf				ID's?	T	Collection Da	ates/Times	
		filled out and le	-	<u> </u>	M/ha wa	s notified?		
Are there I	here Lab to	FIREIS!	<u> </u>	Who was	_	is notified?		
Are there Sh Are there Sh		<u> </u>		Who was				
	re enough \	/olumo?	***************************************	will was	nomeu:			
		ce where applica	able?	127	MS/MSD?	150		
		iners Used?	- 	<i>N</i> B		nples required	· +=	
Were TB's re		T			On COC?			
		ave the proper	oH?	Acid ·	-		Base	
Vials		Containers:				#		#
Jnp-		1 Liter Amb.		1 Liter l	Plastic		16 (oz Amb.
HCL-	2	500 mL Amb.		500 mL	Plastic			mb/Clear
Meoh-		250 mL Amb.		250 mL	Plastic	2		mb/Clear
3isulfate-		Col./Bacteria		Flash				.mb/Clear
DI-		Other Plastic		Other				ncore
Thiosulfate-		SOC Kit		Plastic			Frozen:	
Sulfuric-		Perchlorate		Ziplo	ock		A Selection of the Control of the Co	November i kalaktur eta araba meninka kerasan makkalanda kilaktika keraktika
				Unused	Media	and the second		
Vials	#	22-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-	#			#		#
Jnp-		1 Liter Amb.		1 Liter I				oz Amb.
HCL-		500 mL Amb.		500 mL				mb/Clear
Meoh-		250 mL Amb.		250 mL				mb/Clear
3isulfate-		Col./Bacteria		Flash				mb/Clear
DI-		Other Plastic		Other				ncore
Thiosulfate-		SOC Kit Perchlorate		Plastic Ziplo		********	Frozen:	
Sulfuric- Comments:		Perchiorate		Zipit	JUK			



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

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

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

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. 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	
B. This notice is being provided to the following party: 1. Name: John & Joanne Janik	·
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:	
 ✓ Immediate Response Action ☐ Release Abatement Measure ☐ Utility-related Abatement Measure ☐ Phase IV Remedy Implementation Plan ☐ Phase V/Remedy Operation Status ☐ Phase I Initial Site Investigation ☐ Phase II Comprehensive Site Assessment ☐ Other ☐ (specify) 	
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.	
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.	
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:	
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	
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:	_



Massachusetts Department of Environmental Protection Bureau of Waste Site Cleanup

BWSC123

This Notice is Related to: Release Tracking Number

-	1	

20093

NOTICE OF ENVIRONMENTAL SAMPLING

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.

Revised: 5/30/2014 Page 2 of 2



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

Keny K. Mille

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

Sample Summary	3
Case Narrative	4
Sample Results	5
17F0518-01	5
Sample Preparation Information	6
QC Data	7
Miscellaneous Organic Analyses	7
B179101	7
Flag/Qualifier Summary	8
Certifications	g
Chain of Custody/Sample Receipt	11



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

ATTN: Rob Smith

PURCHASE ORDER NUMBER:

REPORT DATE: 6/21/2017

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-BSI 13C-PFHxA B179101-B\$1

d5-NEtFOSAA B179101-BS1

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

na Watshugta

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



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

Samole Matrix: Drinking Water						· · · · · · · · · · · · · · · · · · ·				
			Mise	cellaneous Or	ganic Analys	es				
•			MCL/SMCL					Date	Date/Time	
Analyte	Results	RL	MA ORSG	Units	Dilution	Flag/Qual	Method	Prepared	Analyzed	Analyst
Perfluoroundecanoic acid (PFUnA)	ND	2.0		ng/L	1		EPA 537	6/13/17	6/18/17 20:26	BLM
Perfluorotridecanoic acid (PFTrDA)	ND	2.0	٠	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		% Reco	very Re	ecovery Limit	s	Flag/Qual		· · · · · · · · · · · · · · · · · · ·		
13C-PFHxA		107		70-130					6/18/17 20:26	
13C-PFDA		88.7		70-130					6/18/17 20:26	
d5-NEtFOSAA		99.7	•	70-130		,			6/18/17 20:26	



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
atch B179101 - EPA 537										
Biank (B179101-BLK1)				Prepared: 06	5/13/17 Anal	yzed; 06/19/	17			
Perfluoroundecanoic acid (PFUnA)	ND	2.0	ng/L							
Perfluorotridecanoic acid (PFTrDA)	ND	2.0	ng/L							
erfluorotetradecanoic acid (PFTA)	ND	2.0	ng/L							,
erfluorooctanoic acid (PFOA)	ND	2.0	ng/L							
erfluorooctanesulfonic acid (PFOS)	ND	2.0	ng/L							
erfluorononanoic acid (PFNA)	ND	2.0	ng/L							
erfluorohexanoic acid (PFHxA)	ND	2.0	ng/L							
erfluorohexanesulfonic acid (PFHxS)	ND	2.0	ng/L							
erfluoroheptanoic acid (PFHpA)	ND	2.0	ng/L							
erfluorododecanoic acid (PFDoA)	ND	2.0	ng/L							
erfluorodecanoic acid (PFDA)	ND	2.0	ng/L							
erfluorobutanesulfonic acid (PFBS)	ND	2.0	ng/L							
EtFOSAA	ND	2.0	ng/L							
IMeFOSAA	ND	2.0	ng/L							
urrogate: 13C-PFHxA	37.0		ng/L	40.0		92.4	70-130			
urrogate: 13C-PFDA	37.2		ng/L	40.0		93.0	70-130			
шrogate: d5-NEtFOSAA	156		ng/L	160		97.4	70-130			
.CS (B179101-BS1)				Prepared: 00	6/13/17 Anal	yzed: 06/18/	17			
Perfluoroundecanoic acid (PFUnA)	. 26.2	2.0	ng/L	20.0		131 *	70-130			L-01
erfluorotridecanoic acid (PFTrDA)	25.4	2.0	ng/L	20.0		127	70-130			
erfluorotetradecanoic acid (PFTA)	25.1	2.0	ng/L	20.0		125	70-130		,	
erfluorooctanoic acid (PFOA)	25.6	2.0	ng/L	20.0		128	70-130			
erfluorooctanesulfonic acid (PFOS)	21.9	2.0	ng/L	18.5		118	70-130			
erfluorononanoic acid (PFNA)	25.0	2.0	ng/L	20.0		125	70-130			
erfluorohexanoic acid (PFHxA)	25.6	2.0	ng/L	20.0		128	70-130			
erfluorohexanesulfonic acid (PFHxS)	23.5	2.0	ng/L	18.2		129	70-130			
erfluoroheptanoic 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			
erfluorodecanoic acid (PFDA)	25.6	2.0	ng/L	20.0		128	70-130			
erfluorobutanesulfonic acid (PFBS)	22.6	2.0	ng/L	17.7		128	70-130			
TETFOSAA	25.9	2.0	ng/L	20.0		130	70-130			
IMeFOSAA	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



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

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

EPA 537 in Drinking Water

Analyte

Certifications

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 Publific 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

CHAIN OF CUSTODY RECORD CON Fax: 413-525-2332

East long meadow, MA 01028 39 Spruce Street

Contents io siasi 8 = Sodium bisulfate DW= drinking water O = Other TYIZING WBE/DBE Certified ***Container Code Dissolved Metals GW= groundwater WW=wastewater NELAC & AIHA-LAP, LLC T = Na thiosuffate X = Na hydroxide O Field Filtered # of Containers O Lab to Filter ** Preservation **Preservation S = Sulfuric Acid ***Cont. Code: *Matrix Code: A=amber glass T=tedlar bag M = Methano! N = Nitric Acid S=summa can S = soil/solid TURNAROUND TIME STARTS AT 9:00 A.M. THE DAY AFTER SAMPLE RECEIPT UNLESS THERE ARE QUESTIONS ON YOUR CHAIN. IF THIS FORM IS NOT FILLED OUT COMPLETELY OR O=Other St = sludge PLEASE BE CAREFUL NOT TO CONTAMINATE THIS DOCUMENT O = other Accredited ST=sterile P-plastic ガエニエ V= vial G-glass = Cec Anair ○ MA State DW Form Required PWSID# Please use the following codes to let Con-Test know if a specific sample is your project MCP or RCP? H - High; M - Medium; L - Low; C - Clean; U - Unknown may be high in concentration in Matrix/Conc. Code Box: ○ MCP Form Required ANALYSIS REQUESTED O RCP Form Required Ŋ > I Hardness X ۵ 2 **Detection Limit Requirements** 0 Method 537 X ٥ X X Cane Code \supset \supset __ INCORRECT, TURNAROUND TIME WILL NOT START UNTIL ALL QUESTIONS ARE ANSWERED BY OUR CLIENT. O "Enhanced Data Package" OGIS Rev. 04,05,12 3 Telephone: (413) 781-0070 Sode Code 3 3 183EM00170 DATA DELIVERY (check all that apply) Composite Grab CEMAIL OWEBSITE OCXCEL Mas sachusetts: × × Connecticut: O OTHER OPP P Other Require lab approvat Clert PO# Time 15:52 5.3 Project # 15:51 O FAX ormat Run: 5 Tina lane-1 (EPA 531); Hold-As, Fc, Hardness, TOC 10-Day Other D 72-Hr D 14-Day Turnaround 0 24Hr 0 48Hr # Xö Email: Collection 7-Day Email: info@contestlabs.com RUSH 1 extract + Hold: 5 Tina Lane- Field blank + 5 Tina Lane-2 www.contestlabs.com P. Contract of F1 (8) 33 Date/ 6 9 11 11/2/9 4 Z Date/Time: West Spring field, MA GLOBA Client Sample ID / Description Date/Time: Date/Time: Date/Time: WCS+Reld 1812 19/0 Tina Lane - Field blank Company Name: ATC Group Services 73 William Franks Dr O'COADO! ANALYTICAL LABORATORY Project Proposal Provided? (for billing purposes) 5 Tina Lane - 1 proposal date <u>.</u> Tina Lane 1991 5 Tink Lane Elizabeth Attention: Rob Smith ίn inquished by: (signature) Relinquished by: (signature Receifed by: (signature) ceived by: (signature) Con-Test Lab ID Project Location: Sampled By: HOTOUR 0 Address: () () Comments 10 of 11 Page

39 Spruce St.

East Longmeadow, MA. 01028

P: 413-525-2332 F: 413-525-6405



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

203	\\	will be brought	to the atter	ition of the	Client - Sta	ite True or Fa	ilse		
Client Receive	ATTC ed By	RIF		Date	(Q C	ШТ	Time	1813	
	- '	In Cooler	~~	No Cooler		On Ice	Τ	No Ice	
How were the receive	-					Ambient		Melted Ice	
		Direct From	Sample 5	ampled =	Kimi CCC	Actual Temp	- 19.6		
Were samp			By Blank #	<u> </u>	•	Actual Temp			
Temperatur		F	Dy Diatik #		Were Sa	mples Tampe	red with?	F	
	Custody Se			Does Chair	n Agree Wil	h Samples?	T		
wasc	COC Reling	paking/loose_cat	ns on any sa		F	•			
Is COC in inl			,	Were sam	ples receiv	ed within hold	ing time?	1	·
Did COC in		Client?		Analysis?	τ	Sampler	Name?		
pertinent Info			-	ID's?	T	Collection Da	tes/Times?	<u> </u>	
Are Sar	nnie labels	filled out and le	gible?	T					
Are ti	here Lab to	Filters?	Ţ		_	as notified?	<u> PA</u>		
Are there F		Ŧ		Who was		<u></u>			
Are there Sh		下		Who was	notified?	<u></u>		<u>: , , , , , , , , , , , , , , , , , , ,</u>	
Is the	re enough	Volume?	T		140 94000		·····		
Is there	e Headspa	ce where applic	able?	T	MS/MSD?	14	Sautrod2	F	
		iners Used?	<u> </u>		ıs spiitt ?On COC	ing samples re	equil ea :	1-	
Were trip bla	inks receive	ed?	F	Acid T	On COC?	<u>M</u> -	Base 1	Æ	
	Samples h	lave the proper	pn:	ACIO (_		<i>X</i>	YEAT TO
Calculation of the Control of the Co			1	1 Liter	Plastic		16	oz Amb.	
Unp-		1 Liter Amb.		500 mL				Amb/Clear	
HCL-	<u> </u>	500 mL Amb. 250 mL Amb.		250 mL		4	40Z	Amb/Clear	
Meoh-		Col./Bacteria	<u> </u>	Flash			2oz	Amb/Clear	
Bisulfate- DI-		Other Plastic		Other				Encore	
Thiosulfate-		SOC Kit		Plastic			Frozen:		
Sulfuric-		Perchlorate		Zipl	ock				n istromporedal il
Sulfano				Witused	i i e i e i e				
	200000000000000000000000000000000000000					e de la companya de			
Vais		Container:		1 Liter	Plastic		16	oz Amb.	
Unp-		1 Liter Amb. 500 mL Amb.			Plastic		8oz	Amb/Clear	
HCL-	<u> </u>	250 mL Amb.	-		Plastic		4oz	Amb/Clear	
Meoh-		Col./Bacteria	 		point		2oz	Amb/Clear	
Bisulfate- DI-		Other Plastic			Glass			Encore	
Thiosulfate-		SOC Kit		<u> </u>	c Bag		Frozen:		
Sulfuric-		Perchlorate		Zipl	lock				
Comments	<u>.</u>								
I									



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

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

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

Massachusetts Department of Environmental Protection

Bureau of Waste Site Cleanup

BWSC123

This Notice is Related to: Release Tracking Number

1	-	20093
		20000

NOTICE OF ENVIRONMENTAL SAMPLING

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						
В.	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.						
	2. 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.)						
_							
	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:						
	✓ Immediate Response Action ☐ Phase III Feasibility Evaluation						
	☐ Release Abatement Measure ☐ Phase IV Remedy Implementation Plan ☐ Utility-related Abatement Measure ☐ Phase V/Remedy Operation Status						
	Phase I Initial Site Investigation Post-Temporary Solution Operation, Maintenance and Monitoring						
	Phase II Comprehensive Site Assessment Other (specify)						
3.	Description of property where sampling will be/has been conducted:						
	☑residential ☐commercial ☐industrial ☐school/playground ☐ Other						
	(specify)						
	Description of the sampling locations and types (e.g., soil, groundwater, indoor air, soil gas) to the extent known at the eart of this notice.						
	A drinking water sample was collected from the private well located on the above-referenced						
pro	operty and analysed for PFAS compounds via EPA Method 537.1.						
E. (Contact information related to the party providing this notice:						
	ntact Name: Department of Environmental Protection						
Str	eet Address: 436 Dwight Street						
	y/Town: Springfield Zip Code: 01103						
Te	lephone: (413) 755-2221 Email: david.bachand.jr@state.ma.us						

Revised: 5/30/2014 Pa



Massachusetts Department of Environmental Protection Bureau of Waste Site Cleanup

BWSC123

This Notice is Related to: Release Tracking Number

20093

11	
11	-
200	- 1

NOTICE OF ENVIRONMENTAL SAMPLING

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.

Revised: 5/30/2014 Page 2 of 2



ACCUTEST **New England**

06/16/17

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 William's 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.

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 (AI171119) 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.

New England • 50 D'Angelo Drive • Building 1 • Marlborough, MA 01752 • tel: 508-481-6200 • fax: 508-481-7753 • http://www.accutest.com

SGS Accutest is the sole authority for authorizing edits or modifications to this document. Unauthorized modification of this report is strictly prohibited. Review standard terms at: http://www.sgs.com/en/terms-and-conditions

(Brad) Madadian

Lab Director



Sections:

Table of Contents

-1-

Section 1: Sample Summary						
Section 2: Case Narrative/Conformance Summary	4					
Section 3: Summary of Hits	6					
Section 4: Sample Results	7					
4.1: MC50558-1: TRIP BLANK	8					
4.2: MC50558-2: 281 LOWER SANDY HILL - FIELD BLANK	9					
4.3: MC50558-3: 281 LOWER SANDY HILL RD-1	10					
4.4: MC50558-4: 281 LOWER SANDY HILL RD-2	11					
Section 5: Misc. Forms	12					
5.1: Chain of Custody	13					
5.2: MCP Form						
5.3: Sample Tracking Chronicle	16					
5.4: QC Evaluation: MA MCP Limits						
Section 6: Misc. Forms (SGS Accutest Southeast)	18					
6.1: Chain of Custody	19					
6.2: Sample Tracking Chronicle						
Section 7: GC/MS Semi-volatiles - QC Data (SGS Accutest Southeast)	22					
7.1: Method Blank Summary	23					
7.2: Blank Spike Summary						
7.3: Internal Standard Area Summaries						
7.4: Surrogate Recovery Summaries	27					
- The state of the						













Sample Summary

ATC Group Services LLC.

281 Lower Sandy Hill, Westfield, MA

Job No:

MC50558

1 *	Collected Date	1 1 1 1 1 1 1 1	Received	Matri Code		Client Sample ID
MC50558-1	06/02/17	09:40 JB	06/02/17	DW	Drinking Water TB	TRIP BLANK
MC50558-2 = 0	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

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), I Trip Blank(s) and I 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).



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: MC5055

MC50558

Account:

ATC Group Services LLC.

Project:

281 Lower Sandy Hill, Westfield, MA

Collected:

06/02/17

Page 1 of 1

Lab Sample ID Analyte	Client Sample ID	Result/ Qual	RL	MDL	Units	Method
MC50558-1	TRIP BLANK					
No hits reported	in this sample.					
MC50558-2	281 LOWER SAN	DY HILL - FIE	LD BLAN	K		
No hits reported	in this sample.					
MC50558-3	281 LOWER SAN	DY HILL RD-1				
Perfluorohexanoi Perfluorooctanoid Perfluorohexanes Perfluorooctanes	e acid ^a sulfonic acid ^a	0.0271 0.0372 0.0864 0,104	0.0080 0.0080 0.0080 0.0080		ug/l ug/l ug/l ug/l	EPA 537 EPA 537 EPA 537 EPA 537
MC50558-4	281 LOWER SAN	DY HILL RD-2	ļ			
Perfluorohexanoi Perfluorooctanoid		0.0256 0.0372	0.0077 0.0077		ug/l ug/l	EPA 537 EPA 537

0.0077

0.0077

ug/l

ug/l

EPA 537

EPA 537

Perfluorohexanesulfonic acid ^a

Perfluorooctanesulfonic acid a

0.0922 0.103

⁽a) Analysis performed at SGS Accutest, Orlando FL.



ACCUTEST New England

Section 4

200
\$100 to (CC)
200

Sample Results	
Report of Analysis	

By

Client Sample ID: TRIP BLANK

Lab Sample ID:

MC50558-1

Matrix:

DW - Drinking Water TB

Method:

EPA 537 EPA 537

Project:

DF

1

281 Lower Sandy Hill, Westfield, MA

Analyzed

06/15/17 16:50 AFL

Date Sampled: 06/02/17

Date Received: 06/02/17

Prep Date

06/14/17 09:30

Percent Solids: n/a

F:OP65453

Analytical Batch Prep Batch

F:SQ913

Run #1 a Run #2

Initial Volume

Q35221.D

Final Volume

Run #1

260 ml

File ID

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	Y H	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 Liı	nits	
	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

Client Sample ID: Lab Sample ID:

281 LOWER SANDY HILL - FIELD BLANK MC50558-2

Date Sampled:

06/02/17

Matrix: Method: DW - Drinking Water FB

Date Received:

06/02/17

EPA 537 EPA 537

Percent Solids: n/a

Project:

281 Lower Sandy Hill, Westfield, MA

Analytical Batch Prep Batch

File ID Run #1 a Q35222.D

Analyzed Ву DF 06/15/17 17:08 AFL 1

Prep Date 06/14/17 09:30

F:OP65453

F:SQ913

Page 1 of 1

Run #2

Final Volume Initial Volume Run #1 250 ml

Run #2

1.0 ml

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	į.	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	Ŷ.	0.0080	ug/l	
375-73-5	Perfluorobutanesulfonic acid	ND	j	0.0080	ug/l	
355-46-4	Perfluorohexanesulfonic acid	ND	1	0.0080	ug/l	
1763-23-1	Perfluorooctanesulfonic acid	ND	Ĭ.	0.0080	ug/l	
2355-31-9	MeFOSAA	ND	Ÿ.	0.020	ug/l	
2991-50-6	EtFOSAA	ND	ì	0.020	ug/l	
CAS No.	Surrogate Recoveries	Run# 1	Run#	2 Li	mits	
	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

Client Sample ID: 281 LOWER SANDY HILL RD-1

Lab Sample ID:

MC50558-3

Matrix:

DW - Drinking Water

EPA 537 EPĀ 537 Method: Project:

281 Lower Sandy Hill, Westfield, MA

Date Sampled:

06/02/17 Date Received: 06/02/17

Percent Solids: n/a

Analytical Batch

Run #1 a Run #2

File ID Q35223.D DF 1

Analyzed By 06/15/17 17:27 AFL Prep Date 06/14/17 09:30 Prep Batch F:OP65453

F:SO913

Page 1 of 1

Initial Volume

250 ml

Final Volume 1.0 ml

Run #1 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/I	
2355-31-9	MeFOSAA	ND		0.020	ug/I	
2991-50-6	EtFOSAA	ND		0.020	ug/l	
CAS No.	Surrogate Recoveries	Run# 1	Run#	2 Li	nits.	
	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



281 LOWER SANDY HILL RD-2 Client Sample ID:

Lab Sample ID:

MC50558-4

DW - Drinking Water

Date Sampled: Date Received:

06/02/17 06/02/17

Matrix: Method:

EPA 537 EPA 537

DF

Percent Solids: n/a

Project:

281 Lower Sandy Hill, Westfield, MA

Analytical Batch Prep Batch

Run #1 a

Run #2

File ID

260 ml

Q35224.D

06/15/17 17:46 AFL 1

Analyzed

Ву

Prep Date 06/14/17 09:30

F:OP65453

F:SQ913

Initial Volume Final Volume

Run #1 Run #2 1.0 ml

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	1	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 Li	mits	
	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





New England

Section 5

Misc. Forms					
Custody Doca	uments a	nd Other	r Forms		

Includes the following where applicable:

- Chain of CustodyMCP Form

- Sample Tracking ChronicleQC Evaluation: MA MCP Limits

CHAIN OF CUSTODY

	SGS			TECT						Now Eng							FED-EX	Tracking	. 4				Botte	Order C	notrol #	_		
	OGO	/	ACCO.	1631			50 D'Angelo TEL	508-451	-6200 i	PAX; 508			0175;	2				crt-11 O			<u>-</u> ,		EGS Accutant Job F to C F C					4
									ww.sccul								3G5 AC						1				<u> 50</u>	<i>55</i> 8
	Client / Reporting	nformation		Project Name	TALES.		Pro	est int	ormati	On		20	700.0	e e			100			d Anal	ysis (seo T	est c	ODE	aticet)	1988		Matrix Codes
		Sent	1000	281	Larra	. v	Sandy	Цα	I Pa	1 11	100	:46	in E	٦				100]			İ		1			DW - Drinking Water
	TC Group													Ž.				١ ٠	ł			ĺ		ļ	ĺ	}		GW - Ground Water WW - Water
7	3 William	Frank	S Dr.	281 L	wer	Sarv	sy Hill	20 1	Billing b	iformatio	n (lf	diffen	ent fo	om Re	port t	(0)		Hardpess				l .		Ì]		SW - Surface Water SO - Soit
City 11.1	est Spring f	ر المالم	Δ	west t	ا ا د ۱	¥.	Á	Сот	any Nam	0							7	چَ		ĺ					İ	Ì		SL- Sludge
Projec	Contact	E-mail	n.	Project#				Stree	1 Address				• • • •				3	ar					i]	i			SEO-Sediment OI - Oil
rob	smith e atea	2 SSOCio	tes.com	1831	EHOO	170	PI							_			~	#	l									UO - Other Liquid AIR - Air
Phone	# _	-ax s		Chent PO≢				City				State		Ζíρ			ethod	3	Ì					1		ſ	ļ	SOL - Other Solid WP - Wipe
Same	(3) 781-001	Phone	101	Project Manager				Afterd	lkon:		PQ#					-	7	'							1		<u> </u>	F8-Field Blank E8- Equipment Blank
	seph Bolduc	<u>.</u>		Rob	Smi	th											X	As,		[li	Í					RB-Rinze Blank TB-Tuo Blank
						ollection			T		T	Humbe	r of pri	JINYES	Boltler		ρA	7					ĺ			ļ		15-114 Exam
SOS											П	-	, t	, in	, J	ge	EP	Total					1			[]	1 [
Sample		oint of Collec	tion	MEOH/DIVERIP	Di	risp	Terne	Sempled b;	Matrix	# of bodie	ğ	Ş Ş	SS	Š Š	OH ON	Blent	9	7										LAB USE ONLY
	Trip Blo	ink			6/2	11	9:40	JB	BM	1	Ш						X							Ĺ		<u> </u>		
2	281 Lower Sand	ly Hill-F	ield Blan	Κ	612	<u>ا</u> تا	10:25	JB	DW	2			7	2	П		X									·		
[3	281 Lower San				6 2	Jп	10:36	JB	DW	6	3	1	\prod_{i}	2.			×	X					-	Ι]		[
4	281 Lower Sand				6 2	, –	10:37	1	Dω	2	T			2	П	П	x											
		1-2011-00			7.15		10.51				\sqcap	+	П	77	\vdash	Ħ	_											
										 	H	_	H	+	\top	\Box					-				1	$\vdash \vdash$		
一								<u> </u>			╁╌┼		╁	+-		+	_							 	\vdash			
					_		· · · · · · · · · · · · · · · · · · ·			-	Н	+	\vdash	+	$\vdash \vdash$	+	1						- † † - *	IAL.	SES	SME	₩.	
<u> </u>											- -		\vdash	┦		┼┼	-							-				
								<u> </u>			\sqcup	_	-	┦		\vdash		∤			_		Λ	ist.	ERIF	CAT	ION	
<u> </u>										ļ	Ш	\perp		H		1-4			_						<u> </u>			
												\perp	LL.	Ц	Ļ		_	_			[_				.		
L											LL	Ш	Ш	Ш	丄	Ш	[[1						
980	STATISTICS NOT						2004257466				_		e info						AFE AND		255C	omma	rite / S	Speci	al leiste	oction	5	
	Turnaround Time (Std. 10 Susinesa Days	Business day	s)	Approved By (SUS	Accuses P	iQ: / Date:				iai "A" (L iai "B" (L			H	_	ASP C			ŀ	Ex	tra	ct	an	d	HΟ	LD=	;		1
	Std. 5 Eusiness Days (By Contract o	nly)							Level 3+4		•	Ē		le Fon	-	•	Ī									- Gr	id blank
	5 Day RUSH		,						CT RCP				⊑	_	D For	mat _		_ }										
	3 Day EMERGENCY 2 Day EMERGENCY							' لـــا	MA MCP	0		al "A"	_]	_	her			-		28	16	ەسد	r S	and	Y H	11 R	d - 2	
	1 Day EMERGENCY									Commen								Ì		28	Lo	wer	Sa	ndv	Hill	Rd.	- 1	
28332	Emergency & Rush T/A data	availabla VIA L	abink					L									4.	ᆚ	*	for	To	tal	As,	FL,	Haro	ines:	5/70	יכיי
1	Angrowished by Shaple	1	Date Time:				st be docum	anted be	IOW esc	n time sa		s cha		OSBSS	sion,	MCILI	oing c	อนสสา		ry. Dalu Tijn	4 :,		Regalive	437.				
1/13	CAMPAS IN	VC_{-}	6/2/17	11:45	1 20	XOX.	nv.				<u> </u>	- 6	20		21					6/2	1/7	<i>134</i>	<u>ss</u> 2	i.	100	<u> </u>	2	
Retrands	hed by Sampler:		Daty Time:	1-153	Received B	"P					Reliad	ubbed	By:						ŀ	Date Tim	at.	ŀ	Receives	a Áy:	ح ۔۔۔			_
3 Relinguis	hed by:		Date Time:		3 Received 2	<i>y</i>					4 Custo	dy Sani	#			-	3 —	hlact F	reserve	d where	applicat		<u> </u>		On ke		Cooler T	eng <
	•	_	•	1		-					/-						-			m							****	0

MC50558: Chain of Custody Page 1 of 2

SGS Accutest Sample Receipt Summary

Comments

Job Number: MC56	0558 Client: ATC		Project: WESTFIELD	
Date / Time Received: 6/2/2	2017 3:35:00 PM Delivery Meth	nod: SGS COURIER	Airbill #'s:	
Cooler Temps (Initial/Adjusted	d): #1; (2.9/2.4);			
Cooler Security 1. Custody Seals Present: 2. Custody Seals Intact: Cooler Temperature 1. Temp criteria achieved: 2. Thermometer ID: 3. Cooler media: 4. No. Coolers:	or N	1. Sample labels 2. Container labe	ner label / COC agree: ity - Condition within HT: accounted for:	Y or N V O V O V O V O V O Intact
Quality Control Preservation 1. Trip Blank present / cooler: 2. Trip Blank listed on COC: 3. Samples preserved properly: 4. VOCs headspace free:	Y or N N/A ☑ □ □ ☑ □ ☑ □ ☑ □	Sample Integri 1. Analysis requ 2. Bottles receiv 3. Sufficient volu	ty - Instructions ested is clear: ed for unspecified tests ime recyd for analysis: instructions clear:	Y or N N/A

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

	Ma	ssDEP Analytical P	rotocol Certification	n Form		5 S S		
Laboratory Name:	SGS Accutest- Marl	borough		Project #:	MC5055	58		
Project Location:	281 Lower Sandy Hi	II, Westfield, MA		MADEP RTN	None			·
	ertifications for the following C50558-2,MC50558-3,MC5	data set: list Labora	tory Sample ID Numt	pers(s)				
Matrices: (Groundwater/Surface Water()	Soil/Sediment ()	Drinking Water (X)	Air ()			Other	()
CAM Protocol (check	ail that apply below):							
8260 VOC () 7470/7471 Hg ()	MassDEP VPH () CAM IV A	8081 Pesticides () CAM V B	7196 Hex Cr CAM VI B	()		Mass DEP APH	
8270 SVOC (CAM II B		8330 Explosives CAM VIII A	()		15 VOC 1 IX B	()		
6010 Metals () CAM III A	6020 Metals () CAM III D	CAM IV B 8082 PCB () CAM V A	CAM V C 9014 Total () Cyanide/PAC CAM VI A	6860 Perchlorate CAM VIII B	()			
Affirmative F	esponses to Questions A	Through F are requi	red for "Presumptiv	e Certainty status	s			
Were all sam A properly preso	oles received in a condition of erved (including temperature or times?	consistent with those on the field or laborated and the field of the field or laborated and the field of the	described on the Cha lory, and prepared/ar	in-of Custody, nalyzed within		Yes	☐ No	
B protocol(s) fol	ytical method(s) and all asso lowed?				[J]	Yes	□ No	
Were all requ C protocol(s) im	red corrective actions and a plemented for all identified p	nalytical response act erformance standard	tions specified in the non-conformances?	selected CAM	7	Yes	□No	
Does the labo D "Quality Assu	ratory report comply with all rance and Quality Control Gu Analytical Data"?	the reporting requirer	nents specified in CA	M VII A,	Image: section of the content of the	Yes	□No	
E la. VPH, EPH.	PH, and TO-15 only: and APH Methods only: Wa)? (Refer to the individual m	as each method cond nethod(s) for a list of s	ucted without signific	ant ns).		Yes	☐ No	•
b. APH and T	O-15 Methods only: Was the	e complete analyte lis	t reported for each m	nethod?		Yes	☐ No	
Were all appli F and evaluated	cable CAM protocol QC and I in a laboratory narrative (in	performance standar cluding all "No" respo	rd non-conformances nses to Questions A	identified through E)?	4	Yes	□No	
	o questions G, H, and I bel							
	orting limits at or below all Ca				V	Yes	□ No	1
Data User No	ote: Data that achieve "Pre ntativeness requirements d	sumptive Certainty' lescribed in 310 CM	' status may not ne R 40.1056(2)(k) and	cessarily meet the WSC-07-350.	data us	eability		
H Were all QC	performance standards spec	ified in the CAM prote	ocol(s) achieved?			Yes	✓ No	
	reported for the complete an responses must be addres					Yes	∐ No 1	
					IIIVC.			
inquiry of those re	attest under the pains and sponsible for obtaining the to the best of my knowle	e information, the m	aterial contained in					
	Melister			boratory Director				
Printed Name:	H. (Brad) Madadia	n	Date:	16-Jun-17				
I								

Internal Sample Tracking Chronicle

ATC Group Services LLC.

281 Lower Sandy Hill, Westfield, MA

Job No:

MC50558

Sample Number	Method	Analyzed	Ву	Prepped	Ву	Test Codes
MC50558- TRIP BLA	1 Collected: 02-JUN-17 (NK	09:40 By: JB	Receiv	ved: 02-JUN-	17 By:	· TF
MC50558-	1 EPA 537	15-JUN-17 16:50	AFL	14-JUN-17	AFL	LC537LIST
	2 Collected: 02-JUN-17 R SANDY HILL - FIEL		Receiv	ved: 02-JUN-	17 By:	TF
MC50558-2	2 EPA 537	15-JUN-17 17:08	AFL	14-JUN-17	AFL	LC537LISTAO
And Committee of the Co	3 Collected: 02-JUN-17 R SANDY HILL RD-1	10:36 By: JB	Receiv	ved: 02-JUN-	17 By:	
MC50558-3	3 EPA 537	15-JUN-17 17:27	AFL	14-JUN-17	AFL	LC537LIST
And the second s	4 Collected: 02-JUN-17 R SANDY HILL RD-2	l0:37 By: JB	Receiv	ved: 02-JUN-	17 By:	TF
MC50558-4	1 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 Result

Units Limits

Page 1 of 1

Type Type

No Exceptions found.

^{*} Sample used for QC is not from job MC50558



ACCUTEST New England

Section 6

Misc. Forms
Custody Documents and Other Forms
(SGS Accutest Southeast)
Includes the following where applicable:
Chain of CustodySample Tracking Chronicle



	OTT A	TAT	OF	CUSTOD	37
Į	L.HA	I I N	Ur	COSIOD	, .

Page	1	of	•

1	ACC	O1F21	50 D'Angelo De	ive, 495 Technol TEL, 508-4	ogy Ceni 81-6200	er West, I FAX:	3(dg One, 508-481-7:	Madib 153	oroug	h, MA	0175	2		SOS Asculant Oscilla				569 Account Job MC50558							
						sgs.com							_		Page	netnet	Analus	ls (see	TEST	CODE	sheet				Viatrix Codes
	Client / Reporting Information	Protect Name:		Project fr	ijorma	บอก			·				\dashv		1.646	antan'	111477	1	120,	-	1	-		-	
	sy name: 5 Accutest	riqua Nano.	281 Lower Sandy Hill, Westfield, MA] GV	Y - Drinking Water N - Ground Water WYV - Water	
Street A		Street .		1																	1				Y-Surface Water
50 D	Angelo Drive, Fechnology Center West, BLDG One	i	Billing Information (if differe				ent fre	m Ro	port tr)							i l		١.		ì			SO - Sol SL- Slodge	
City	Stato Zip	Cky		- State	Company	Name								ľ											SED-Sediment
Mai	lbourough, MA 6175												_				Ι.				lΙ			- 1.	DI - O# ICI - Other Liquid
	Contact E-mail	Project #		İ	Street Ac	fdress.															. !	ĺ	1		AIR-AIr
1 .	ny_viennesu@xgs.com				-				teta			Ζ'n								1		'		ş	OL - Other Solid WP - Wide
Phone		(# CBent Purchase C	kder#	i	Cily			a.	wia			шу		Į			1								FIB-Flekt Blank
1	-481-6200				Attention								—	1	ļ	ŀ	l							E8	3-Equipment Blank RB- Rinse Blank
1 .	r(s) Merne(s) Ph	ons Project Manager			ALBOOK!	ų.								ľ			1	1			1				Ansie Gart-BT
JB				Colecton					31			Bolties		15	. نا			1		ł			li		
1	ł			Collection		1	ļ	\vdash	Tiens	ТТ	h h	1	#I	LCS37LIST	LCS37XH.		1					· '	i i		
108 108		1		l i	Sampled		1.	. 1	8	H2504	N M	MEGH	3	8	8									- 1.	AB USE ONLY
Sample	Field ID / Point of Collection	NECHOI Vist#	Date	Time	by	Marik	a of bostes	₹]}	2 🛨	Ξ	<u> </u>	2 1	-		1-		<u> </u>				ļ		\vdash	—	70 002 01121
1	TRIP BLANK		6/2/17	9:40:00 AM	JB	DW	ļ		╧	Ш	1	11	\perp	X			<u>L</u>	!	_	ļ	-				
2	281 LOWER SANDY HILL - FIELD I	BLA	6/2/17	10:25:00 AM	JB	₽₩		Ш		Ш	Ŧ	Ш		L.	X.		<u> </u>			1			-		
3	281 LOWER SANDY HILL RD-1		6/2/17	10:36:00 AM	JB	ew.		П			\perp	П	L	X	<u> </u>		<u> </u>			<u> </u>	\vdash	L		\dashv	
4	281 LOWER SANDY HILL RD-2		6/2/17	10:37:00 AM	JB	DW-		1	1		Į.			<u> </u>	X					<u> </u>					
 				_				П	Т		Т	П					1	1				1		- 1	
<u> </u>			ļ			+	1	╀	+	++	+	╁	+		+-	_	 	\dagger		-	—		t	\neg	
					ļ		<u> </u>	!	4-	1-1	-1-	₩	ļ.	ļ	↓—		├	—-	ļ	! —		<u> </u>	\vdash		
				l				H		11		11	1	1	1 :	1				<u>L_</u>					
-						1				П	┰		1	T	Т									. 1	į
<u></u>				. 		+	 	н	╁	++	┿	+1	┰	+-	╁		1-	╁┷		1	┪	!	1		
		_		<u> </u>	·	<u> </u>	1	Ш		\bot		11		Į		ļ	1		ļ	ļ	 	├		\dashv	
				1	İ		ì	H	-	1 1	ı	11		1	1	Į	1		Ì '	Ì					
1				 		1		11	T	-		11		1			1				1	T	1. [
L					ļ	ļ. —	<u> </u>	1	╀	+ 1	+	H	+	1-	+	 	1.	+-	 	+	1	1	1 1		
		<u> </u>		<u> </u>			L	Ш	_L	Ll	1	l f	L_	┸.	1	<u> </u>		<u> </u>	-	<u> </u>		<u> </u>	1		
	Tomeround Time (Business days)			<u> </u>	 					e Info	*****					т—			Con	ments	i Speda	i snauns	zions		
		Approved By (SGS	Acoutest PM): / DA	•:			cial "A" (i			ļ				ory A											
ļ	Std. 10 Business Days	-					chi "B" (i		2}	ļ				ory B											•
ì	5 Day RUSK						(Level 3+	4 }		Ļ		tete F													
1	3 Day EMERGENCY					NJ Redo				1				CP :											
1	2 Day EMERGENCY				╽╙	Сотлег	Consiner					20167	11/1/45	<u> </u>	····	1									
1	1 Day EMERGENCY				1		Commer					ium me	~			1									
l .	X other Due 6/16/2017 nergency & Rush T/A data avallable V/A Labink						NJ Redu	ced = .	Resul	(a + Q(Sum	mary +	Parti	ił Rew da	ets										
1 5	redench a ucasi to dara available and rapair		Sample Cus	lody must be d	ocume	nted belo	w each t	me a	empl	es ch	inge	ровве	sslos	ı, includ	ding cou	rier del	ivery.			1					
Re	inquished by Sempler:	8.2.17	Received By:	r.le	_			Refe	nuceiv		- 1	h					Data 11		۱۲	Receh	wa By: (-	₹ 1	> <		_
1	15/1/2)~	0.2.11	1_/	12 1				2	_	10				٠			_			- 2	1	σž	9 1	250	
3 76	Inquished by Sumpler: 0:	ate Time:	Received By: 3					R≥li A	nquish	ed By:		_#	X	·			Date T			14/]///	[[E	06/	23/17	0915
R•	Inquished by:) D	alo Ilme:	Ascelved By:					Cust	tody &	e ei #			70	intact Not inte	ed.	Preser	ndatan D	appiscabi	•	"	, ,	On k	2	Cooler	мпр. "7

MC50558: Chain of Custody Page 1 of 2

SGS Accutest Southeast

SGS Accutest Sample Receipt Summary

Job Number: MC50558			ALNE		Project: 281 LOWER SANDY HILL					
Date / Time Received: 6/3/2017	9:15:00 AM		Delivery Method:	Airbill #s: 727375163157						
Therm ID: IR 1;			Therm CF: 0.4;		# of Cooler	rs: 1				
Cooler Temps (Raw Measure	d) °C: Coo	ler 1: (1.:	2);							
Cooler Temps (Correcte	d) °C: Coo	ler 1: (1.	3);							
Cooler Information	Y or	N		Sample Information		Y or	N_	N/A		
1. Custody Seals Present	•			Sample labels present	on bottles	✓				
2. Custody Seals Intact	✓			2. Samples preserved pro	рену	\mathbf{Z}				
3. Temp criteria achieved	∑			3. Sufficient volume/conta	ainers recvd for analysis:	V				
4. Cooler temp verification	IR Gun			4. Condition of sample		Intact				
5. Cooler media	<u>ice (Bag)</u>			5. Sample recvd within H	T	✓				
				6. Dates/Times/iDs on Co	OC match Sample Label	V				
Trip Blank Information	Y or	<u>N</u> .	N/A_	7. VOCs have headspace						
1. Trip Blank present / cooler	· 🗹			8. Bottles received for un	specified tests		\checkmark			
2. Trip Blank listed on COC	✓			9. Compositing instruction	ns clear			✓		
	W or	S.	N/A_	10. Voa Soil Kits/Jars rec	eived past 48hrs?			\mathbf{Z}		
				11. % Solids Jar received	!?			\mathbf{Z}		
3. Type Of TB Received	$ \mathbf{Z} $			12. Residual Chlorine Pre	esent?			☑		
Misc. Information										
Number of Encores: 25-Gram	1	5-Gram	Nua	mber of 5035 Field Kits:	Number of La	ab Filtered M	etals;			
	pH 0-3			H 10-12 219813A			_			
Residual Chlorine Test Strip Lot	#:				_					
Comments										
· ·				•						
SM001 Technician	: PHILIPD		Date: 6/3/2017	9:15:00 AM	Reviewer; CAITLINB		Date:	6/4/2017		

MC50558: Chain of Custody

Page 2 of 2

<u>ි.</u>

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	Ву	Prepped	Ву	Test Codes
MC50558 TRIP BLA	-1 Collected: 02-JUN-1 NK	7 09;40 By: JB	Recei	ved: 02-JUN-	17 By	: PD
MC50558	-1 EPA 537	15-JUN-17 16:50	NAF	14-JUN-17	MB	LC537LIST
	-2 Collected: 02-JUN-1 ER SANDY HILL - FI		Recei	ved; 02-JUN-	17 By	: PD
MC50558	-2 EPA 537	15-JUN-17 17:08	NAF	14-JUN-17	MB	LC537LISTAO
	-3 Collected: 02-JUN-1 ER SANDY HILL RD-		Recei	ved: 02-JUN-	17 By	: PD
MC50558	-3 EPA 537	15-JUN-17 17:27	NAF	14-JUN-17	MB	LC537LIST
	-4 Collected: 02-JUN-1 ER SANDY HILL RD-		Recei	ved: 02-JUN	-17 By	: PD
MC50558	-4 EPA 537	15-JUN-17 17:46	NAF	14-JUN-17	MB	LC537LISTAO



New England

Section 7

QC Data	Summaries	
(SGS Acc	utest Southeast)	

- Method Blank Summaries
- Blank Spike SummariesMatrix Spike and Duplicate Summaries
- Internal Standard Area Summaries
- Surrogate Recovery Summaries



Method Blank Summary Job Number: MC50558

Account:

Project:

ALNE SGS Accutest New England ATCMAS: 281 Lower Sandy Hill, Westfield, MA

Sample	File ID	DF	Analyzed	By	Prep Date 06/14/17	Prep Batch	Analytical Batch
OP65453-MB	Q35220.D	1	06/15/17	NAF		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	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

		Spike	BSP	BSP	
CAS No.	Compound	ug/l	ug/l	%	Limits
207 24 4	Doublesons because the season	0.00	0.0005	834 Wig 1718 1	70.100
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	Lim	ita	
CAB No.	Built ogate Recoveries	Dol	Lill	1118	
	13C2-PFHxA	99%	70-1	130%	
	13C2-PFDA	106%	70-1	130%	
	d5-EtFOSAA	94%	Links of	130%	
		94 14 . 98°		.0070	

⁽a) Outside control limits.

^{* =} Outside of Control Limits.

Semivolatile Internal Standard Area Summary

Job Number:

MC50558

Account:

ALNE SGS Accutest New England

Project:

ATCMAS: 281 Lower Sandy Hill, Westfield, MA

-	Check Std:
	Lab File ID:

SQ913-ICC913 Q35203.D

Injection Date: 06/15/17 Injection Time: 11:11

EPA 537

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 Upper Limit ^c Lower Limit ^d	31925 4.26	37778 6.57	68135 6.58	58579 7.08	11987 7.55	29514 9.83
	49064 5.26	55016 7.57	101210 7.58	86298 8.08	17511 8.55	43157 10.83
	16355 3.26	18339 5.57	33737 5.58	28766 6.08	5837 6.55	14386 8.83
Lab	IS 1	IS 2	IS 3	IS 4	IS 5	IS 6
Sample ID	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

= 13C3-PFPeAIS 1

= 13C2-6:2FTSIS 2

= 13C2-PFOAIS₃

= 13C4-PFOSIS 4 IS 5 = d3-MeFOSAA

= 13C2-PFDoDAIS 6

- (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.

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-C
Lab File ID:	Q35218.I
Instrument ID:	GCMSQ

SQ913-CC913 Q35218.D

Injection Date: 06/15/17 Injection Time: 15:53

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 86298 8.02 28766 6.02	13751 7.51	30331 9.62
Upper Limit ^c	49064 5.17	55016 7.51	101210 7.50		17511 8.51	43157 10.62
Lower Limit ^d	16355 3.17	18339 5.51	33737 5.50		5837 6.51	14386 8.62
Lab	IS 1	IS 2	IS 3	IS 4	IS 5	IS 6
Sample ID	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.

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	Lab	G4 G2	a a
Sample ID	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 S2 = 13C2-PFDA S3 = d5-EtFOSAA 70-130% 70-130%

70-130%

Page 1 of 1



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.

Notice of Environmental Sampling 1551 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 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

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

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

Massachusetts Department of Environmental Protection

Bureau of Waste Site Cleanup

BWSC123

This Notice is Related to: Release Tracking Number

1	-	20093	

NOTICE OF ENVIRONMENTAL SAMPLING

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 01085 Zip Code: 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 01085 Zip Code: 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. $| \checkmark |$ 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: Immediate Response Action Phase III Feasibility Evaluation Release Abatement Measure Phase IV Remedy Implementation Plan Phase V/Remedy Operation Status Utility-related Abatement Measure Phase I Initial Site Investigation Post-Temporary Solution Operation, Maintenance and Monitoring ☐ Phase II Comprehensive Site Assessment ☐ Other (specify) Description of property where sampling will be/has been conducted: ✓ residential Commercial ☐industrial school/playground Other 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: Department of Environmental Protection Contact Name: Street Address: 436 Dwight Street City/Town: Springfield 01103 Zip Code: Email: David.bachand.jr@state.ma.us Telephone: (413) 755-2221



Massachusetts Department of Environmental Protection Bureau of Waste Site Cleanup

BWSC123

This Notice is Related to: Release Tracking Number

1

20093

NOTICE OF ENVIRONMENTAL SAMPLING

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.

Revised: 5/30/2014 Page 2 of 2



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

Keny K. Mille

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

Sample Summary	3
Case Narrative	4
Sample Results	5
17F0795-01	5
17F0795-02	6
Sample Preparation Information	7
QC Data	8
Miscellaneous Organic Analyses	8
B179482	8
Flag/Qualifier Summary	9
Certifications	10
Chain of Custody/Sample Receipt	14



ATC Group Services LLC - West Springfield

73 Williams Franks Drive West Springfield, MA 01089

ATTN: Rob Smith

PURCHASE ORDER NUMBER:

REPORT DATE: 6/20/2017

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 & 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



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

-			Misc	cellaneous Org	anic Analys	es				
Analyte	Results	RL	MCL/SMCL MA ORSG	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Perfluoroundecanoic acid (PFUnA)	ND	2.0	MA OAGG		1	ring/Quai	EPA 537	6/17/17	6/18/17 22:34	BLM
•				ng/L						
Perfluorotridecanoic acid (PFTrDA)	ND	2.0		ng/L	1 .		EPA 537	6/17/17	6/18/17 22:34	BLM
Perfluorotetradecanoic acid (PFTA)	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	i		EPA 537	6/17/17	6/18/17 22:34	BLM
Perfluorododecanoic acid (PFDoA)	ND	2.0		ng/L	I		EPA 537	6/17/17	6/18/17 22:34	BLM
Perfluorodecanoic acid (PFDA)	ND	2.0	-	ng/L	I		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		% Rec	overy Ro	ecovery 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	



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 Prepared	Date/Time Analyzed	Analyst
				Durtion	riag/Quai			· · · · · · · · · · · · · · · · · · ·	Analyst
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	<u> </u>
13C-PFDA		109	70-130					6/18/17 19:10	
d5-NEtFOSAA		112	70-130					6/18/17 19:10	



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

		Reporting	** **	Spike	Source	A/DEG	%REC	Dre	RPD	37.
Analyte	Result	Limit	Units	Level	Result	%REC	Limits	RPD	Limit	Notes
atch B179482 - EPA 537					····					
Blank (B179482-BLK1)				Prepared: 06	5/17/17 Anal	yzed: 06/18/1	7			
Perfluoroundecanoic acid (PFUnA)	ND	2.0	ng/L							
erfluorotridecanoic acid (PFTrDA)	ND	2.0	ng/L							
erfluorotetradecanoic acid (PFTA)	ND	2.0	ng/L							
erfluorooctanoic acid (PFOA)	ND	2.0	ng/L							
erfluorooctanesulfonic acid (PFOS)	ND	2.0	ng/L							
erfluorononanoic acid (PFNA)	ND	2.0	ng/L							
erfluorohexanoic acid (PFHxA)	ND	2.0	ng/L							
erfluorohexanesulfonic acid (PFHxS)	ND	2.0	ng/L							
erfluoroheptanoic acid (PFHpA)	, ND	2.0	ng/L							
erfluorododecanoic acid (PFDoA)	ND	2.0	ng/L							
erfluorodecanoic acid (PFDA)	ND	2.0	ng/L							
erfluorobutanesulfonie acid (PFBS)	ND	2.0	ng/L							
EtFOSAA	ND	2.0	ng/L							
MeFOSAA	ND	2.0	ng/L							
urrogate: 13C-PFHxA	48.0		ng/L	40.0		120	70-130			
втоgate: 13C-PFDA	49.3		ng/L	40.0		123	70-130			
nrogate: d5-NEtFOSAA	197		ng/L	160		123	70-130			
CS (B179482-BS1)				Prepared: 06	5/17/17 Analy	yzed: 06/18/	17			
erfluoroundecanoic acid (PFUnA)	3.11	2.0	ng/L	2.00		155 *	50-150			L-01
erfluorotridecanoic acid (PFTrDA)	2.71	2.0	ng/L	2.00		135	50-150			
erfluorotetradecanoic acid (PFTA)	2.67	2,0	ng/L	2.00		134	50-150			
erfluorooctanoic acid (PFOA)	2.94	2.0	ng/L	2,00		147	50-150			
erfluorooctanesulfonic acid (PFOS)	2.67	2.0	ng/L	1,85		145	50-150			
erfluorononanoic acid (PFNA)	2.58	2.0	ng/L	2.00		129	50-150			
erfluorohexanoic acid (PFHxA)	3,36	2.0	ng/L	2.00		168 *	50-150			L-05
erfluoroliexanesulfonic acid (PFHxS)	2,56	2.0	ng/L	1.82		140	50-150			
erfluoroheptanoic acid (PFHpA)	2,96	2.0	ng/L	2.00		148	50-150			
erfluorododecanoic acid (PFDoA)	2.64	2.0	ng/L	2.00		132	50-150			
erfluorodecanoic acid (PFDA)	2.71	2.0	ng/L	2.00		135	50-150			
erfluorobutanesulfonic acid (PFBS)	2,38	2.0	ng/L	1.77		135	50-150			
EtFOSAA	2.95	2.0	ng/L	2.00		147	50-150			
McFOSAA	2,56	2.0	ng/L	2.00		128	50-150			
игтоgate: 13C-PFHxA	51.1		ng/L	40.0		128	70-130			
urrogate: 13C-PFDA	51.8		ng/L	40.0		129	70-130			
urrogate: d5-NEtFOSAA	205		ng/L	160		128	70-130			



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

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

EPA 537 in Drinking Water

Perfluorooctanoic acid (PFOA)

NH,NY

Perfluorooctanesulfonic acid (PFOS)

NH,NY

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

Code	Description	Number	Expires
ATHA	AIHA-LAP, LLC - ISO17025:2005	100033	02/1/2018
MA	Massachusetts DEP	M-MA100	06/30/2018
СТ	Connecticut Department of Publile 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

PCB ONLY

Non Soxhlet

Soxhlet

Chromatogram AIHA-LAP, LLC

WRTA

MWRA School

Municipality

Government

Project Entity

Date/Time:

nquished by: (signature)

eived by: (signature)

MBTA

Brownfield

Federal

Date/Time:

Ç

Other

17F0795

CON-TESK*

http://www.contestlabs.com CHAIN OF CUSTODY RECORD Phone: 413-525-2332

Page __1___ of ___1__

East Longmeadow, MA 01028

39 Spruce Street

Doc # 381 Rev 1_03242017

² Preservation Codes: X = Sodium Hydroxide B = Sodium Bisulfate DW = Drinking Water S = Summa Canister GW = Ground Water WW = Waste Water 3 Container Codes T = Tedlar Bag O = Other (please O = Other (please O = Other (please A = Amber Glass S = Sulfuric Acid Matrix Codes: O Field Filtered N = Nitric Acid Preservation Code O Field Filtered O Lab to Filter O Lab to Filter M = Methanol T = Sodium ST = Sterile Container Code G = Glass P = Plastic SL = Sludge SOL = Solid Thiosulfate = Iced TRIZMA # of Containers V ≝Viat A = Air define) define) define) H= HCL Please use the following codes to indicate possible sample concentration COPILEST NELAC AND ATTACLAR, LINC Accredited www.contestaba.com H - High; M - Medium; L - Low; C - Clean; U - Unknown ANALYSIS REQUESTED within the Conc Code column above: r MA MCP Required MCP Certification Form Required CT RCP Required RCP Certification Form Required z × TOTAL As, Fe, HARDNESS, TOC MA State DW Required Special Requirements o × × × Δ **EPA METHOD 537** 9 99 20 9 20 9 \Box = 5 \supset WatrfX Code \Box Ã Š Š Ã PWSID # 10-Day EXCEL Grab 3-Day 4-Day CLP Like Data Pkg Required: × × Composite Sittement to a filling the period Due Date: 5-day TAT [] & 1551 East Mountain Rd-2 녒 Ending Date/Time 8:23 8:22 Email To: 8:07 Fax To #: 15:40 Format: Other: l-Day 7-Day -Day 6/14/2017 Beginning Date/Time 6/14/2017 6/14/2017 6/13/2017 91116 73 William Franks Drive, West Springfield, MA Email: info@contestlabs.com EXTRACT & HOLD EPA Method 537: 1551 East Mountain Rd-field blank 1810 9 551 East Mountain Rd - field blank 1551 East Mountain Rd, Westfield 1551 East Mountain Rd, Westfield Client Sample 10 + Description RUN EPA Method 537: Trip Blank & 1551 East Mountain Rd-1 Fax: 413-525-6405 20/4/ime: 11/11/10 /ate///rime: Date/Time: Date/Time 551 East Mountain Rd - 2 551 East Mountain Rd - 1 ATC Group Services Elizabeth O'Connor (413) 781-0070 183EM00170 Rob Smith Trip blank Con-Test Quote Name/Number: HOLD As, Fe, Hardness, TOC nquished by: (signature) Relinquished by: (signature) (sjghature) 8 ived by: (signature) C Work Orders Con-Test SINISINA VEIKIS Invoice Recipient: Project Location: Project Manager: Project Number: Sampled By: Comments: 4ddress: Phone: Page 11 of 12 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 18:10 Date 6.14.17 PB Received By No Ice On Ice No Cooler How were the samples In Cooler received? Melted Ice Ambient Direct From Sample Actual Temp -__ By Gun # Were samples within Actual Temp -By Blank # Temperature? 2-6°C Were Samples Tampered with? Was Custody Seal Intact? Does Chain Agree With Samples? Was COC Relinquished? Are there broken/leaking/loose caps on any samples? Were samples received within holding time? Is COC in ink/ Legible? — Sampler Name? Client? Analysis? Did COC include all Collection Dates/Times? T ID's? Project? pertinent Information? Are Sample labels filled out and legible? Who was notified? Are there Lab to Filters? Who was notified? Are there Rushes? Who was notified? Are there Short Holds? Is there enough Volume? MS/MSD? NA is there Headspace where applicable? ---- AC4 splitting samples requirer F Proper Media/Containers Used? On COC? NA Were TB's received? Base Do All Samples Have the proper pH? Acid Vials # Containers # 16 oz Amb. 1 Liter Plastic 1 Liter Amb. Unp-8oz Amb/Clear 500 mL Plastic 500 mL Amb. HCL-4oz Amb/Clear 250 mL Plastic 250 mL Amb. Meoh- 🕟 2oz Amb/Clear Flashpoint Col./Bacteria Bisulfate-Other Glass Encore Other Plastic DI-Plastic Bag Frozen: SOC Kit Thiosulfate-Ziplock Perchlorate Sulfuric-Unused Media Containers. Vials 16 oz Amb. 1 Liter Plastic 1 Liter Amb. Unp-8oz Amb/Clear 500 mL Plastic 500 mL Amb. HCL-4oz Amb/Clear 250 mL Plastic 250 mL Amb. Meoh-2oz Amb/Clear Flashpoint Col./Bacteria Bisulfate-Other Glass Encore Other Plastic DI-Plastic Bag Frozen: SOC Kit Thiosulfate-Ziplock Perchlorate Sulfuric-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

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

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

Massachusetts Department of Environmental Protection Bureau of Waste Site Cleanup

BWSC123

This Notice is Related to: Release Tracking Number

1 - 20093	1	-	20093
-----------	---	---	-------

NOTICE OF ENVIRONMENTAL SAMPLING

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 01085 Zip Code: 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 01085 Zip Code: 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 01103 City/Town: Westfield Zip Code: 2. MCP phase of work during which the sampling will be/has been conducted: ✓ Immediate Response Action Phase III Feasibility Evaluation Phase IV Remedy Implementation Plan Release Abatement Measure Phase V/Remedy Operation Status Utility-related Abatement Measure Post-Temporary Solution Operation, Maintenance and Monitoring Phase I Initial Site Investigation ☐ Phase II Comprehensive Site Assessment ☐ Other (specify) 3. Description of property where sampling will be/has been conducted: √ residential commercial industrial school/playground Other 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: Department of Environmental Protection Contact Name: Street Address: 436 Dwight Street 01103 City/Town: Springfield Zip Code: Email: David.bachand.jr@state.ma.us Telephone: (413) 755-2221



Massachusetts Department of Environmental Protection Bureau of Waste Site Cleanup

BWSC123

This Notice is Related to: Release Tracking Number

1

20093

NOTICE OF ENVIRONMENTAL SAMPLING

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.

Revised: 5/30/2014 Page 2 of 2



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

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

Berry K. Mille

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

Sample Summary	3
Case Narrative	4
Sample Results	5
17F0524-01	5
17F0524-02	. 6
Sample Preparation Information	7
QC Data	8
Miscellaneous Organic Analyses	8
B179101	8
Flag/Qualifier Summary	9
Certifications	10
Chain of Custody/Sample Receipt	11



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

PURCHASE ORDER NUMBER:

REPORT DATE: 6/21/2017

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	



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

CASE NARRATIVE SUMMARY

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

EPA 537

Qualifications:

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

ra Wasslengton

Work Order: 17F0524



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:

Date Received: 6/9/2017

Field Sample #: Trip Blank Sample ID: 17F0524-01

Sampled: 6/7/2017 10:22

Sample Matrix: Trip Blank Water

			Miscellaneous Org	anic Analys	es				
Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analys
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	I		EPA 537	6/13/17	6/19/17 15:38	BLM
Perfluorononanoic acid (PFNA)	ND	2.0	ng/L	i		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	ı		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

6/18/17 22:08

Date Received: 6/9/2017

d5-NEtFOSAA

Field Sample #: 39 Indian Ridge Rd.- 1

Sampled: 6/9/2017 08:25

Sample ID: 17F0524-02

Sample Matrix: Drinking Water								······································		
	•		Miscella	aneous Or	ganic Analys	es	•			
		i	MCL/SMCL					Date	Date/Time	
Analyte	Results	RL	MA ORSG	Units	Dilution	Flag/Qual	Method	Prepared	Analyzed	Analyst
Perfluoroundecanoic acid (PFUnA)	ND	2.0		ng/L	1		EPA 537	6/13/17	6/18/17 22:08	BLM
Perfluorotridecanoic acid (PFTrDA)	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
Perfluorocetanesulfonic 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		% Reco	very Recov	ery Limit	s	Flag/Qual				
13C-PFHxA		126	7	0-130					6/18/17 22:08	
13C-PFDA		108	7	0-130					6/18/17 22:08	

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	



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

Miscellaneous Organic Analyses - Quality Control

	n 4	Reporting	TT. "	Spike	Source	A/D 50	%REC	nee	RPD	× .
Analyte	Result	Limit	Units	Level	Result	%REC	Limits	RPD	Limit	Notes
Batch B179101 - EPA 537										
Blank (B179101-BLK1)				Prepared: 06	5/13/17 Analy	yzed: 06/19/1	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							
erfluorooctanesulfonic acid (PFOS)	ND	2.0	ng/L							
erfluorononanoic acid (PFNA)	ND	2.0	ng/L							
erfluorohexanoic acid (PFHxA)	ND	2.0	ng/L							
erfluorohexanesulfonic 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							
erfluorobutanesulfonic acid (PFBS)	ND	2.0	ng/L							
TEIFOSAA	ND	2.0	ng/L							
MeFOSAA	ND	2.0	ng/L							
urrogate; 13C-PFHxA	37.0		ng/L	40.0		92.4	70-130			
urrogate: 13C-PFDA	37.2		ng/L	40.0		93.0	70-130			
surrogate: d5-NEtFOSAA	156		ng/L	160		97.4	70-130			
CS (B179101-BS1)				Prepared: 06	5/13/17 Analy	yzed: 06/18/1	17			
erfluoroundecanoic 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			
erfluorotetradecanoic acid (PFTA)	25.1	2.0	ng/L	20.0		125	70-130			
erfluorooctanoic acid (PFOA)	25.6	2.0	ng/L	20.0		128	70-130			
erfluorooctanesulfonic 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			
erfluorohexanesulfonic acid (PFHxS)	23.5	2.0	ng/L	18.2		129	70-130			
erfluoroheptanoic 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			
erfluorodecanoic acid (PFDA)	25.6	2,0	ng/L	20.0		128	70-130			
erfluorobutanesulfonic acid (PFBS)	22.6	2.0	ng/L	17.7		128	70-130			
JEtFOSAA	25.9	2,0	ng/L	20.0		130	70-130			
IMeFOSAA	25.8	2,0	ng/L	20.0		129	70-130			
erfluoropentanoic acid (PFPeA)	24.1	2.0	ng/L	20.0		120	70-130			
urrogate: 13C-PFHxA	62.4		ng/L	40.0		156 *	70-130			S-23
urrogate: 13C-PFDA	63.1		ng/L	40.0		158 *	70-130			S-23
urrogate: d5-NEtFOSAA	265		ng/L	160		166 *	70-130			S-23



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

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



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

CERTIFICATIONS

Certified Analyses included in this Report

Analyte .

Certifications

EPA 537 in Drinking Water

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
АПНА	AIHA-LAP, LLC - ISO17025:2005	100033	02/1/2018
MA	Massachusetts DEP	M-MA100	06/30/2018
CT	Connecticut Department of Publile 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

		http://www.contest
on-test	Phone: 413-525-2332	CHAIN OF CUSTODY
yyical, laboratory	Fax: 413-525-6405	Kentensi untara

abs.com

Doc # 381 Rev 1_03242017 RECORD

39 Spruce Street East Longmeadow, MA 01028

L of

TABLE OF CONTENTS X = Sodium Hydroxide 2 Preservation Codes: S = Sulfuric Acid B = Sodium Bisulfate S = Summa Canister DW = Drinking Water GW = Ground Water 3 Container Codes: 0 = Other (please WW = Waste Water T = Tediar Bag:... 0 = Other (please Non Soxhlet A = Amber Glass 0 = Other (please PCB ONLY define) TriCma_ Soxhiet M = Methanol N = Nitric Acid 1 Matrix Codes: O Field Filtered ² Preservation Code ST = Sterile V = Vial O Field Filtered O Lab to Filter O Lab to Filter Thiosulfate St = Sludge Sot = Solid ³ Container Code define) T = Sodium P = Plastic G = Glass # of Containers define) E H Pag: S = Soil A =: Air Please use the following codes to indicate possible sample concentration analytical Laboratory MENDER WHAT AND THE MESTARTER Chromatogram

AHA-LAP,LLC pover, condustibles, com H - High; M - Medium; L - Low; C - Clean; U - Unknown ANALYSIS REQUESTED within the Conc Code column above: Other ☐ WRTA N Ŧ CT RCP Required RCP Continued RCP Continuented RCP Continuented RCP Required MA MCP Required MCP Certification Form Required MWRA Hardness, to ЪJ 1421 × School MA State DW Required MBTA Z Spenial Requirements METHOOL HJ3 X 4.59 X × X 0 \supset \Box \supset 2 3 Municipality 3 Brownfield # CISMd 10-Day EXCEL Gab 3-Day 4-Day CLP Like Data Pkg Required: Run: 39 Indian Ridge Rd. 1 (EPA 537) HOW: As, Fe, Hardness, TOC Composite Ridge Rd-2 Extract + hold: of nain Ridge Rd - field sancple + 39 Indian PDF Government 10:25 Due Date: Email To: 57.8 8:25 9 00 00 Federal Fax To #: ormat: Other: 7-Day -Day 2-Day City Project Entity 11/6/9 6 6 9/11 61117 МA Z Z Σ west field Email: info@contestlabs.com Westfield 39 Indian Ridge Rd - Field 1813 WSpfid Client Sample ID / Description 39 Indian Ridge Rd-2 (E) (2) Date/Time: 39 Indian Ridge Ru - 1 Date/Time: Date/Time: 4/6/11 Date/Time Date/Time: Date/Time Source Service S Trip Blank Š Address: 7.3 William Franks Dr Elicabeth O'Conner 39 Indian Ridar UR MATAN RIDGE usaleth K. Claric 1 0 0 183EM00170 Rob Smith 781-0070 Con-Test Quote Name/Number: d C inquished/by: (signature) linquished by: (signature) Relinquished by: (signature) Run trip blank Received by: (signature) ceived by: (signature) eceived by: (signature) Con-Test Nork Order# Project Location: Invoice Recipient: Project Manager: Project Number: Sampled By: Comments Phone: 11 of 12 Page

39 Spruce St.

East Longmeadow, MA. 01028

P: 413-525-2332

F: 413-525-6405



Doc# 277 Rev 5 2017

www.contestlabs.com Login Sample Receipt Checklist - (Rejection Criteria Listing - Using Acceptance Policy) Any False Statement

	\	will be brought	to the atter	ntion of the	Client - Sta	ate True or Fa	alse		
Client Receive	d By	RF		Date	<u> (6)</u> C		Time	1813	
How were the		In Cooler	T	No Cooler	<u>,</u>	On Ice	<u> </u>	_ No Ice	,
receive	ed?	Direct From	Sample 5	ampled =	someda	∠ Ambient		Melted lice	,
Were samp	les within		By Gun #	à		Actual Temp		<u>C.</u>	
Temperatur		F	By Blank #		_	Actual Temp	<u> </u>		
	Custody Se	al Intact?		7	Were Sa	imples Tampe	ered with?	F	
Was C	OC Reling	uished?	T		n Agree Wil	th Samples?		. , , ,	····
Are ther	e broken/le	eaking/loose car	s on any sa	mples?	F				
s COC in inl				Were sam	iples receiv	ed within hold	ing time?		
Did COC in		Client?		Analysis?		Sampler		<u> </u>	
pertinent Info	ormation?	Project?		ID's?		Collection Da	tes/Times	′	
Are Sar	nple labels	filled out and le	gible?	Τ					
Are tl	nere Lab to	Filters?	工工		_	as notified?	<u> </u>		
Are there F	Rushes?	Ŧ	·	Who was		<u></u>			
Are there Sh	ort Holds?	工工工		Who was	notified?	<u>M4</u>			
Is the	re enough '	Volume?							
Is there	e Headspa	ce where applic	able?		MS/MSD?		an		
		iners Used?				ing samples re	equirea r	F	
Were trip bla	nks receive	ed?			On COC?	<u>M4</u>	Base I	\sim	
Do All		lave the proper		Acid T			Dase		
VISIS				412-	Disatio		16	oz Amb.	
Unp-	,	1 Liter Amb.	<u></u>	1 Liter				Amb/Clear	
HCL-	<u> </u>	500 mL Amb.	<u></u>	500 mL		45		Amb/Clear	
Meoh-		250 mL Amb.		250 mL		77		Amb/Clear	-
Bisulfate-		Col./Bacteria		Flash				Encore	~
DI-		Other Plastic		Other			Frozen:	<u> </u>	
Thiosulfate-		SOC Kit		Plastic	ock		1102011		
Sulfuric-		Perchlorate							
				Uninsed	Madines				
Venego en en		restrations	医复数多数						
Unp-		1 Liter Amb.			Plastic		1	oz Amb.	
HCL-	· · · · · · · · · · · · · · · · · · ·	500 mL Amb.		ł	Plastic			Amb/Clear	
Meoh-		250 mL Amb.			Plastic			Amb/Clear	
Bisulfate-		Col./Bacteria	l	·	point	<u> </u>		Amb/Clear	
DI-		Other Plastic			Glass			Encore	
Thiosulfate-		SOC Kit			c Bag	ļ	Frozen:		
Sulfuric-		Perchlorate	<u> </u>	Zipl	lock		<u> </u>	<u> </u>	
Comments:									
ı									
:									



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

20

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.

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

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

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

Massachusetts Department of Environmental Protection

Bureau of Waste Site Cleanup

BWSC123

This Notice is Related to: Release Tracking Number

- 20093

NOTICE OF ENVIRONMENTAL SAMPLING

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 01085 Zip Code: 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 01085 Zip Code: 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 01085 Zip Code: 2. MCP phase of work during which the sampling will be/has been conducted: Immediate Response Action Phase III Feasibility Evaluation Release Abatement Measure Phase IV Remedy Implementation Plan ☐ Phase V/Remedy Operation Status Utility-related Abatement Measure Post-Temporary Solution Operation, Maintenance and Monitoring ☐ Phase I Initial Site Investigation ☐ Phase II Comprehensive Site Assessment Other (specify) 3. Description of property where sampling will be/has been conducted: commercial industrial school/playground Other ✓ residential (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 01103 Zip Code: 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

1

- 20093

NOTICE OF ENVIRONMENTAL SAMPLING

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.

Revised: 5/30/2014 Page 2 of 2



ACCUTEST New England

06/16/17

SGS ACCUTEST IS PART OF SGS, THE WORLD'S LEADING INSPECTION, VERIFICATION, TESTING AND CERTIFICATION COMPANY.

SGS

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.

Lab Director

(Brad) Madadian

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 (AI171119) 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.

New England • 50 D'Angelo Drive • Building 1 • Marlborough, MA 01752 • tel: 508-481-6200 • fax: 508-481-7753 • http://www.accutest.com

SGS Accutest is the sole authority for authorizing edits or modifications to this document. Unauthorized modification of this report is strictly prohibited. Review standard terms at: http://www.sgs.com/en/terms-and-conditions 1 of 26
ACCUTEST

Table of Contents

-1-

Section 1: Sample Summary 3	3
Section 2: Case Narrative/Conformance Summary	4
Section 3: Summary of Hits	6
Section 4: Sample Results	7
4.1: MC50557-1: 289 LOWER SANDY HILL RD - FIELD BLANK	8
4.2: MC50557-2: 289 LOWER SANDY HILL RD-1	9
4.3: MC50557-3: 289 LOWER SANDY HILL RD-2	10
Section 5: Misc. Forms	11
5.1: Chain of Custody	12
5.2: MCP Form	
5.3: Sample Tracking Chronicle	15
5.4: QC Evaluation: MA MCP Limits	16
Section 6: Misc. Forms (SGS Accutest Southeast)	17
6.1: Chain of Custody	18
6.2: Sample Tracking Chronicle	
Section 7: GC/MS Semi-volatiles - QC Data (SGS Accutest Southeast)	
7.1: Method Blank Summary	22
7.2: Blank Spike Summary	
7.3: Internal Standard Area Summaries	
7.4: Surrogate Recovery Summaries	26















Sample Summary

ATC Group Services LLC.

289 Lower Sandy Hill, Westfield, MA

Job No:

MC50557

Sample Number	Collected Date	Time By	Received	Matri Code		Client Sample ID
MC50557-1	06/02/17	11:00 ЈВ	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

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).

Analysis performed at SGS Accutest, Orlando FL.



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.

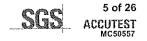
MC50557-3 for Perfluorododecanoic acid: Associated BS recovery outside control limits. MC50557-3 for Perfluorotetradecanoic acid: Associated BS recovery outside control limits.

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



Account:

Project:

ATC Group Services LLC. 289 Lower Sandy Hill, Westfield, MA

Collected:

06/02/17



Lab Sample ID Analyte	Client Sample ID	Result/ Qual	RL	MDL	Units	Method	
MC50557-1	289 LOWER SAN	DY HILL RD -	FIELD BI	LANK			
No hits reported	in this sample.						
MC50557-2	289 LOWER SAN	DY HILL RD-1					
Perfluorohexanoi	c acid ^a	0.0770	0.0077		ug/l	EPA 537	
Perfluoroheptano	ic acid ^a	0.0249	0.0077		ug/l	EPA 537	
Perfluorooctanoio	c acid ^a	0.152	0.0077		ug/l	EPA 537	
Perfluorobutanes	ulfonic acid ^a	0.0203	0.0077		ug/l	EPA 537	
Perfluorohexanes	ulfonic acid ^a	0.334	0.0077		ug/l	EPA 537	
Perfluorooctanes	ulfonic acid ^a	0.635	0.038		ug/l	EPA 537	
MC50557-3	289 LOWER SAN	DY HILL RD-2					
Perfluorohexanoi	c acid ^a	0.0790	0.0080		ug/l	EPA 537	
Perfluoroheptano	ic acid ^a	0.0251	0.0080	•	ug/l	EPA 537	
Perfluorooctanoio		0.157	0.0080		ug/l	EPA 537	
Perfluorobutanes	ulfonic acid ^a	0.0212	0.0080		ug/l	EPA 537	
Perfluorohexanes	ulfonic acid ^a	0.315	0.0080		ug/l	EPA 537	
Perfluorooctanesi	ulfonic acid ^a	0.612	0.040		ug/l	EPA 537	

⁽a) Analysis performed at SGS Accutest, Orlando FL.



ACCUTEST

New England

Section 4

Samp	le Resu	ılts		
Report	t of An	alysis		

Ĺ

Report of Analysis

Client Sample ID: 289 LOWER SANDY HILL RD - FIELD BLANK

Lab Sample ID:

MC50557-1

Matrix: Method: DW - Drinking Water FB

EPA 537 EPA 537

289 Lower Sandy Hill, Westfield, MA

Date Sampled: Date Received:

06/02/17 06/02/17

Percent Solids: n/a

DF File ID 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

Project:

Initial Volume Final Volume 260 ml

Run #1

1.0 ml

Run #2

Perfluorinated Alkyl Acids

CAS No.	Compound	Result	MCL	RL	Units	Q
307-24-4	Perfluorohexanoic acid	ND	f .	0.0077	ug/l	
375-85-9	Perfluoroheptanoic acid	ND		0.0077		
335-67-1	Perfluorooctanoic acid	ND		0.0077	ug/l ug/l	
375-95-1	Perfluorononanoic acid	ND	ile N	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	i:	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 Lir	nits	
	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

Lab Sample ID:

MC50557-2

DW - Drinking Water EPA 537 EPA 537

Date Sampled:

06/02/17

Date Received: Percent Solids: n/a

06/02/17

Method: Project:

Matrix:

289 Lower Sandy Hill, Westfield, MA

Analytical Batch Prep Date Prep Batch

File ID Run #1 a Q35214.D Q35215.D Run #2 a

DF Analyzed By 06/15/17 14:40 AFL 1 5 06/15/17 14:59 AFL

06/14/17 09:30 06/14/17 09:30

F:OP65453 F:SQ913 F:SQ913 F:OP65453

Initial Volume Final Volume 260 ml

Run #1 Run #2 260 ml 1.0 ml 1.0 ml

Perfluorinated Alkyl Acids

CAS No.	Compound	Result	MCL	RL	Units	Q		
307-24-4	Perfluorohexanoic acid	0.0770	0.007	77 ug/l				
375-85-9	Perfluoroheptanoic acid	0.0249		0.007	7 ug/l			
335-67-1	Perfluorooctanoic acid	0.152		0.007	7 ug/l			
375-95-1	Perfluorononanoic acid	ND	1	0.007	7 ug/1			
335-76-2	Perfluorodecanoic acid	ND		0.007	7 ug/l			
2058-94-8	Perfluoroundecanoic acid	ND		0.007	7 ug/l			
307-55-1	Perfluorododecanoic acid b	ND	0.007					
72629-94-8	Perfluorotridecanoic acid b	ND		0.007				
376-06-7	Perfluorotetradecanoic acid b	ND		0.007				
375-73-5	Perfluorobutanesulfonic acid	0.0203		0.007	7 ug/l			
355-46-4	Perfluorohexanesulfonic acid	0.334	:	0.007	7 ug/l			
1763-23-1	Perfluorooctanesulfonic acid	0.635 c	1	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



Page 1 of 1

289 LOWER SANDY HILL RD-2 Client Sample ID:

Lab Sample ID:

Matrix:

Method:

Project:

MC50557-3

DW - Drinking Water

EPA 537 EPA 537

289 Lower Sandy Hill, Westfield, MA

Date Sampled: Date Received:

06/02/17 06/02/17

Percent Solids: n/a

File ID DF Analyzed Ву 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

Report of Analysis

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		0.008	0 ug/l			
375-85-9	Perfluoroheptanoic acid	0.0251		0.008	0 ug/l			
335-67-1	Perfluorooctanoic acid	0.157		0.008	_			
375-95-1	Perfluorononanoic acid	ND	ND 0.00					
335-76-2	Perfluorodecanoic acid	ND	D 0.0080					
2058-94-8	Perfluoroundecanoic acid	ND		0.008	0 ug/l			
307-55-1	Perfluorododecanoic acid b	ND		0.008				
72629-94-8	Perfluorotridecanoic acid b	ND		0.008	-			
376-06-7	Perfluorotetradecanoic acid b	ND		0.008				
375-73-5	Perfluorobutanesulfonic acid	0.0212		0 ug/l				
355-46-4	Perfluorohexanesulfonic acid	0.315		0 ug/l				
1763-23-1	Perfluorooctanesulfonic acid	0,612 ^c		ug/l				
2355-31-9	MeFOSAA	ND		0.020				
2991-50-6	EtFOSAA	ND		0.020	ug/I			
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



New England

Section 5

Mico Forms	
Misc. Forms	
Custody Documents and Other Forms	

Includes the following where applicable:

- Chain of Custody
- MCP Form
- Sample Tracking ChronicleQC Evaluation: MA MCP Limits

e e e					SGS Ac	culest of	New En	hnsh												-			<u> </u>		<u> </u>
SGS	ACCUTEST		EST 50 D'Angelo Drive, Building One Mariborough, MA 01752 TEL. 508-461-5200 FAX; 508-481-7753							FED-E	FED-EX Tracking #					Botsle Order Control #									
				121		i-6209 J WW.accul			753					503/	Vacciles (Junte #			-	SGS Acad	last Job	40.	250	7 ~	-27
CHent / Reporting inf	ometion			Pro	lect int	ormati	on-		S.h.s				CONTRACTOR		102	SERVICE SERVICE	175.46		25.92	C 10 (2)	2000	heell	CALL RESIDENCE DE LA COMPANSIONE DEL COMPANSIONE DE LA COMPANSIONE DE LA COMPANSIONE DE LA COMPANSIONE DE LA COMPANSIONE DE LA COMPANSIONE DE LA COMPANSIONE DE LA COMPANSIONE DE LA COMPANSIONE DE LA COMPANSIONE DE LA COMPANSIONE DE LA COMPANSIONE DE LA COMPANSIONE DE LA COMPANSIONE DE LA COMPANSIONE DE LA COMPANSIONE DE LA COMPANSIONE DE LA COMPANSIONE DE LA COMPANSIONE	4366	Malrix Codes
Company Name		Project Name			#	74. 0- 0-54	2-4-5-4 Page 19-19-19-19-19-19-19-19-19-19-19-19-19-1	30000	20,000	ery Arguery	on a segre	- Page Con-	A CONTRACTOR		Ţ	100010	1	1919:63	1	روبوي	T	HE&G:35	2000		Mainx Codes
ATC Group Ser	vices	289 (<u>ower Sa</u>	ndy H	ill R	d, u	est.	<u>fiel</u>	d						ĮŘ	1					J			0	W - Drinking Water
		Street:		•	1 100									■ _	15	1			- 1	- 1	1			16	IW - Ground Water WW - Water
73 William Fra	anks Dr.	204 10	wer Sand	<u>4 mil k</u>	d I	Billing In	formati	on (If	diffe	rent	from 1	Repo	rl to)	3.	1 3				1		1	ĺ	1	s	W - Surface Water SO - Soil
Hath Corina Cald	μΔ	1110.04.0	Salat Mid	Š	10.01.9	party Marin								\ رئا ∏	등				1		1	.		- 1	St Studge
West Springfield	E-mat	Project#	ield, Mf	1	Stree	l Address								$\dashv \bot$	Hardorss			- 1			ſ				SED-Sediment OI - OI
rob. Smith e atcas	sociates co	m 183EF	100170	PI										5						- 1			ļ		LICI - Other Liquid AIR - Air
		Chent PO#	, , , , ,		City				State		Z	ip.		1 \$	T,	1	1						1		SOL - Other Solid
(4(3) 781-0070 Sampler(s) Harme(s)	ext 101													ية ∐	1 3	1	i		1		- 1		Ì		WP - Wips FB-Fleid Stank
Sampler(s) Hame(s)	Phone #	Project Manage	0		Atten	Gon:		PON						1	.f. ₹	ŀ			į	Į	ı	ļ			3- Equipment Blank RB- Rinza Blank
Jaseph Bolduc		KOD	<u>smith</u>		Щ.	т	,							- <		1		- 1		ĺ					TB-Trip Slank
			Collection	· · · · · · · · · · · · · · · · · · ·			1	 	Humi	bet of	PERSON	ed Hot	ijes 1	- 0	otal			- 1					Į	 -	
SGS Accorded			1		Sampled			{	z 2	. 3	[<u></u>] }	Į	ORE .	<u> </u>	ف ا'		1				ļ		- 1		
Sarpher Field ID / Point	of Collection	MEONON MIN	Date	Ten4	by by	Matrix	# of both	, 및 [NO ST	Į.	ğ 3	Ä	N.		,	1									AB USE ONLY
1 289 Lower Sandy F	hill Rai-field blo	ın'ı	62117	11:00	J8	DW	2		Į		2			×		İ			- 1		i	ļ			
2 289 Lower Sand	. Will Part		6217	11:05		bin	6	3	l	T	2	1		У	×	i –	-		\dashv	\dashv	_		1	\top	
2 200 0000 0000	FIII NA 7	-					2	M	+	+	2	1			۲	 		\dashv	-+		-+		-+	+	
289 Lower Sand	y Hill) Ka - 2		6217	ماه:۱۱	20	DM	-	11	+	+	-	+		×	├	-			+	-			\rightarrow	-	
								\coprod	_	\perp		1	Ш		!	<u> </u>		_							
				1				П	-					1									İ	- 1	
]	1		T	Π		П	Т	П		Т	П				П			\neg	\neg	\neg	\neg		
			-		 	 	-	++	+		H	1	\vdash	+-	<u> </u>	-			\dashv		-		+	╬	
					-		-	\prod	+	-		-	-	+	-	₩							\dashv		
								Ш	_	\perp		Ш	Ш		<u> </u>										
		1	l						1	1.						İ				- 1			ĺ		
		1						П	Γ				T					- T			7				
			 					 		╅┪	+	Н	+	1	\vdash	├			+		-		-+-	+	
					\vdash	<u> </u>		1-1-	+	+		\dashv	+	+-	<u> </u>	<u> </u>			-		+	\dashv	-		
	and the state of t							LЦ	1	Ш	1	Ш	Ц								\perp	\bot			
										de lin						58549 T		Co.	maren	ta / Sp	ev al	Instruc	tions		
Turnaround Time (8u	siness days)	Approved by (SG)	Accutest PM; / Date:	•		Commerci Commerc				ļ				догу А догу В		Ext	trac	t a	Λd	HO	LD	, =			
Std. 5 Business Days (By	Contract only)					FULLT1 {			,	'n	۲,			24., 5											1010
5 Day RUSH						CTRCP							omst				. 28	9 L	ILI C.Y	Sai	10Y	Hill	Rd •	fie	le blank
3 Day EMERGENCY						ма мср				Ē	<u> </u>	ther_		_			- 20	٠.		r C0		. Ibi	I Rd	2	
2 Day EHERGENCY					ļ			mmerci								<u> </u>	- 20	· · · ·	04/4	- 30	- Co	<i>j m</i> i	7		
1 Day EMERGENCY Emergency & Rush T/A data zvi	3-64-1484-6-5-6						Солине	dai 'B'	= Re	suls:	+ 003	itamum:	ary			,	28	9 L	owe	r San	idy I	HII &	8-11	5	otal As, ardness, to
Emergency & Hush IIA data ave	ASHE VIA LEDWIK	Sai	nple Custody mu	st ba docum	ented be	low excl	time s	ample	s cha	an ne	0.0534	- said	n. inc	ladisa	courie	delive	rv.					-/-	kika	Y, H	Lraness, 70
Ray pulsed by Sample:	Date Hore:		Receivered	1			3	Raling) _			g	Junu		Date Time	: 10	11	celved By	n i	77	V	V-September 1	STATE OF THE PROPERTY.
11000 VY VY VY VY	WC 621		, EO	OUL	24_			2	\rightarrow	Ł	<u> </u>	W.	n	2		1	بالعلم	7 ¹³	Y]2	B	رار	list	9		
Niquished by Sampler:	Date Time:		Received By:					Relinq	ulsha	d By:							Date Time	:	Re	ceived (c)	rich.	1. 1.			
R.	6-2-	47	3	13.0				Ìa 💮											į,						i

MC50557: Chain of Custody

Page 1 of 2

SGS Accutest Sample Receipt Summary

Job Number: MC50	0557 Client:	ATC	Project: WESTFIRLD	Project: WESTFIRLD					
Date / Time Received: 6/2/20	017 3:35:00 PM	Delivery Method:	SGS COURIER Airbill #'s:						
Cooler Temps (Initial/Adjusted	d): #1: (2.9/2.4);								
Cooler Security 1. Custody Seals Present: 2. Custody Seals Intact: Cooler Temperature 1. Temp criteria achieved: 2. Thermometer ID:	or N		Sample Integrity - Documentation 1. Sample labels present on bottles: 2. Container labeling complete: 3. Sample container label / COC agree; Sample Integrity - Condition 1. Sample recvd within HT:	Y or N.					
3. Cooler media: 4. No. Coolers:	Ice (Bag)		All containers accounted for: Condition of sample:	√ Intact					
Quality Control Preservation 1. Trip Blank present / cooler: 2. Trip Blank listed on COC: 3. Samples preserved properly: 4. VOCs headspace free:	<u>Y or N N/A</u> □ ☑ □ □ ☑ □ ☑ □ ☑ □		Sample Integrity - Instructions 1. Analysis requested is clear: 2. Bottles received for unspecified tests 3. Sufficient volume recyd for analysis: 4. Compositing instructions clear: 5. Filtering instructions clear:	Y or N N/A					
Comments			5. I mosting with desiration block.						

MC50557: Chain of Custody

Page 2 of 2



Massachusetts Department of Environmental Protection Bureau of Waste Site Cleanup

Final	
July 1, 2010	Revision No. 1
WSC-CAM	Exhibit VII A

Exhibit VII A-2: MassDEP Analytical Protocol Certification Form

MassDEP Analytical Protocol Certification Form								
Laboratory Name:	SGS Accutest- Marlborough Project a				MC50557			
Project Location:	289 Lower Sandy Hill, Westfield, MA					None		
This form provides certifications for the following data set: list Laboratory Sample ID Numbers(s) MC50557-1,MC50557-2,MC50557-3								
	water/Surface Water ()	Soil/Sediment ()	Drinking Water (X) Air ()		Other	()
CAM Protocol (check all tha	1		1					
8260 VOC ()	1 "	``	8081 Pesticides (` 1	()	- 1	Mass DEP APH	()
CAM IIA 8270 SVOC ()	CAM III B 7010 Metals ()	CAM IV A MassDEP EPH ()	CAM V B	CAM VI B () 8330 Explosives	()	- 1	CAM IX A TO-15 VOC	()
CAM II B	CAM III C	CAM IV B	CAMVC	CAM VIII A	•		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								
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?						Yes	☐ No	
Were the analytical method(s) and all associated QC requirements specified in the selected CAM protocol(s) followed?					V	Yes	☐ No	
Were all required corrective actions and analytical response actions specified in the selected CAM C protocol(s) implemented for all identified performance standard non-conformances?					7	Yes	□No	
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"?					Ø	Yes	□ No	
VPH, EPH, APH, and TO-15 only: E 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).						Yes	□No	
b. APH and TO-15 Methods only: Was the complete analyte list reported for each method?						Yes	□No	
Were all applicable CAM protocol QC and performance standard non-conformances identified F and evaluated in a laboratory narrative (including all "No" responses to Questions A through E)?						Yes	☐ 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					Ą	Yes	☐ No ¹	ī
<u>Data User Note:</u> 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.								
	mance standards speci				Щ	Yes	∠ No ¹	
7	ed for the complete ana			<u></u>		Yes	☐ 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: pfpthylor	<i></i>		Position: 1	aboratory Director				
Printed Name:	H. (Brad) Madadian	<u> </u>	Date:	16-Jun-17				

Internal Sample Tracking Chronicle

ATC Group Services LLC.

289 Lower Sandy Hill, Westfield, MA

Job No:

MC50557

Sample Number	Method	Analyzed	Ву	Prepped	Ву	Test Codes
	1 Collected: 02-JUN-17 R SANDY HILL RD -		Receiv	ved: 02-JUN-	17 By:	TF
MC50557-	1 EPA 537	15-JUN-17 13:46	AFL	14-JUN-17	AFL	LC537LISTAO
Agencies and professional and an experience of the analysis of the second	2 Collected: 02-JUN-17 ER SANDY HILL RD-1	11:05 By: JB	Recei	ved: 02-JUN-	17 By:	TF
MC50557- MC50557-		15-JUN-17 14:40 15-JUN-17 14:59				LC537LIST LC537LIST
	3 Collected: 02-JUN-17 ER SANDY HILL RD-2		Recei	ved: 02-JUN	17 By:	TF
MC50557- MC50557-		15-JUN-17 15:17 15-JUN-17 15:35	AFL AFL	14-JUN-17 14-JUN-17		LC537LISTAO LC537LISTAO

QC Evaluation: MA MCP Limits
Job Number: MC50557

Page 1 of 1

Account:

ATC Group Services LLC.

Project:

289 Lower Sandy Hill, Westfield, MA

Collected:

06/02/17

QC Sample ID

CAS#

Analyte

Sample Result Result

Units Limits

Type Type

No Exceptions found.

^{*} Sample used for QC is not from job MC50557



New England

Section 6

Custody I	Documen	ts and Ot	her Forms	8
(SGS Accu	test Southe	ast)		

- Includes the following where applicable:
- Chain of Custody Sample Tracking Chronicle

CHAIN OF CUSTODY

Page 1 of 1

	DUD ACC	UTEST		rive, 495 Techno										FEO-EX Tracking #					Boids Order Control #						
	AUC	, OILSI	50 D'Angelo Di	TEL. 508-	451-6200	ter West, :) FAX: v.sgs.com	508-481-7	M200 753	oraug	ĻII, MA	1017	32		SGS Ac	CLASS CLUS	**				\$63 Acc	uzani Job	M	C5055	37	
	Client / Reporting Information	1		Project f											Requ	ested	Analys	ls (see	TEST	CODE	shee)			Matrix Codes
Compan		Project Name:																							
	Accutest		:	289 Lower Sar	ıdy Häl,	Westfie	id, MA]	['										DW - Drinking Water GW - Ground Water
Street A	ddress Angelo Drive,	Street	_					_						-	1										WW - Water SW - Surface Water
	echnology Center West, SLDG One						n (if differ	ant fro	nt from Report (o)				1											SO-Soll SL-Sludge	
City		ip City		Siato	Compan	y Nama								l								i			SEO-Seoment
I	lbourough, MA 01751				Street A	**								1		1					1				O1 • Off LFQ - Other Liquid
Project		Project #			SOTHER AL	Daress									İ						1	'	\		AIR-AIr
	n nietrisem@age.com	ax # Client Purchase (C%y			121	4:6			ZΙο	<u>-</u>	-						ì					SOL - Other Solid WP - Wips
Phone #	-481-8200	ax # Client Purchase (Jickes W		CAY				4.0					1			Ì	1			l	ł			FB-Fleid Stank
		Phone: Project Manager			Attensor	· -								4		ļ		1			1				EB-Equipment Blank RB- Rinse Black
. 58 .58	(a) tobure(a)	TOUR PROJECT MININGS OF			1									١.						ļ			1		TB-Trip Blenk
		_		Collection	·	<u> </u>	I	L	Humb	or of pa	226	ed Bot	61] kg	Ĩ.	1	ł	ĺ	ļ	1					
805	•			İ			1	Γſ,	١,	x	I	1	86	LCS37LIST	LC537XH	ĺ	ļ			1	1		'	ì	1 1
Accepted Sucyted	Field ID / Point of Collection	NEOROH AMIN	Date	Time	Bamphol by	Marie	# of toties	모호	ΙË	ğ	Ž 3		욽	3	3.					ļ					LAB USE ONLY
1	289 LOWER SANDY HILL RD - FI	ELD	8/2/17	11:00:00 AM	JB	DW	 		1	1	_	1	Ħ	T	х		•								
2	289 LOWER SANDY HILL RD		6/2/17	11:05:00 AM	JB	DW		П		П	Ţ			Х								<u> </u>			
3	289 LOWER SANDY HILL RD		6/2/17	11:08:00 AM	JВ	DW	İ	11	1	!) X					Į.			ļ		
					l	†			╈	Ħ	十	+			T -										
		- 			 		 	╁╌┼╴	╬	╁╌┼	+	+	╁┼	+	+	 	}	 	 	 	 	t		\vdash	
Ì				ļ		١	<u> </u>	Ш	_	14	4	<u> </u>	11	_	 	ļ	<u> </u>	ऻ—	_	_	┡	1		<u> </u>	
				1		i		l I		Į		1	ļ		l		i			ļ .	l	l	l		
		- †	i —		1			TT	7		T	T		T					[Γ	i
-				+		 	1	╁	╌┼╴	┪	+	+	₩	+	1	\vdash	 	 	1	1	+	†—-	\dagger	1	
L						_		Ļļ.	1	1	4	-	\Box	_	1	! —	ļ .	_	ļ	ļ	ļ_	ļ	ļ-		ļ. ———
		l				Į	ļ		l		\perp									<u> </u>	1		_	<u> </u>	
								П	Т	П	Т	Т			T									Ι.	1
			 			+	$\vdash \neg$	\vdash	┪	+	$^{+}$	+	Ħ	${}^{+}$	+		-	†			1				
					ļ		!	₩	+		-+		├	+-	+-	_	\vdash	-	\vdash	\vdash	1	ļ	 	 	\vdash
1	1	- 1	i		l			Ш	L				Ш		<u> </u>	<u> </u>	<u>L</u> _			<u> </u>		L	<u> </u>		
	Turnaround Time (Business days)				1			Defive			_					,			Con	ments	Specia	l instru	llons.	<u>. </u>	
		Approved By (Size	S Aucules? FN); / Dai	te:	ŀ□		i) "A" felo							gory A		ŀ									
	Std. 10 Business Days				۱⊑		clat "B" [i)					dotA g		1									
	5 Day RUSH						(Level 3+	4)					Forms												
1	1 Day EMERGENCY					NJ Redu Common							Forma MAN		_										
1	2 Day EMERGENCY					Commen		olod "A"	= Ro			JUN	men			1									
1 Day EMERGENCY Commercial 'A' = Results Only								Summ	EIV.																
Em	ergency & Rush T/A dala ayazable VIA Lablink				<u> </u>		NJ Redu	ced = F	tesul	ts + Q	C Sur	TITLE Y	+ Part			l									
				tody must be o	locume	nted belo	w each t				ange	203	essio	n, inclu	ding cou	nier dei	very.			-					
Ref		Date / 2-17	Received By:	151				Relin	quist;	1977	سند	7/	2	~ ~			C	Ż-	7	Raceir	14 BY: Z-	CD>	ς .		
1_	158/A)~	<i>U</i>	1 /-2	A 67				Z				<u> </u>	-				+		•	Bacab	13	110	12	Mr.	
3		Date fime:	Received By: 3					4		ed By:			r				06/03/17 09/5								
Reti	equished by:	Dale Time:	Received By: 5					Custo	ody 8	eel #				Not be	act	Pieser			•			<u> </u>	-	2001	ماد

MC50557: Chain of Custody Page 1 of 2 **SGS Accutest Southeast**

SGS Accutest Sample Receipt Summary

Job Number: MC50557			ALNE	Project: 289 LOWE	Project: 289 LOWER SANDY HILL				
Date / Time Received: 6/3/2017	9:15:00 AN	Λ	Delivery Method:	FEDEX Airbill #s: 72737516	33157				
Therm ID: IR 1;			Therm CF: 0.4;	# of Coole	# of Coolers: 1				
Cooler Temps (Raw Measure	d) °C: Coc	der 1: (1.2	2);						
Cooler Temps (Correcte	•								
Cooler Temps (Correcte	u) 0, 000	жет т. (1.0	<i>h</i>			····			
Cooler Information	Y or	N_		Sample Information	<u>Y 0</u>	<u>N</u>	<u>N/A</u>		
1. Custody Seals Present	\checkmark			1. Sample labels present on bottles	✓				
2. Custody Seals Intact	\checkmark		İ	2. Samples preserved properly	✓				
3. Temp criteria achieved	✓			Sufficient volume/containers recvd for analysis:	✓				
4. Cooler temp verification	IR Gun			4. Condition of sample	Intact				
5. Cooler media	Ice (Bag)	!		5. Sample recvd within HT	₹				
				Dates/Times/IDs on COC match Sample Label	\checkmark				
Trip Blank Information	Y or	<u>N</u> _	N/A	7. VOCs have headspace			✓		
1. Trip Blank present / cooler		\checkmark		8. Bottles received for unspecified tests		\mathbf{V}			
2. Trip Blank listed on COC		\checkmark		9. Compositing instructions clear			Z		
	_W or	r S.	N/A	10. Voa Soil Kits/Jars received past 48hrs?			$\mathbf{\overline{v}}$		
a Time Of The Description	-			11. % Solids Jar received?			\mathbf{V}		
3. Type Of TB Received			\square	12. Residual Chlorine Present?			✓		
Misc. Information	LAMAN TT			***************************************					
Number of Encores: 25-Gram	n	5-Gram	Num	ber of 5035 Field Kits: Number of I	ab Filtered	Metals:			
	pH 0-3					_			
Residual Chlorine Test Strip Lot	-								
11000dddi Olkonio 1000 Olip Ede					***		A-11		
Comments									

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

Sample Number	Method	Analyzed	Ву	Prepped	Ву	Test Codes
Marie and the second of the second of the second	1 Collected: 02-JUN-17 CR SANDY HILL RD -		Recei	ved: 02-JUN	-17 By	; PD
MC50557~	1 EPA 537	15-JUN-17 13:46	NAF	14-JUN-17	MB	LC537LISTAO
	2 Collected: 02-JUN-17 R SANDY HILL RD-1	11:05 By: JB	Recei	ved: 02-JUN	-17 By	: PD
MC50557- MC50557-		15-JUN-17 14:40 15-JUN-17 14:59	NAF NAF	14-JUN-17 14-JUN-17		LC537LIST LC537LIST
	3 Collected: 02-JUN-17 CR SANDY HILL RD-2	11:06 By: JB	Recei	ved: 02-JUN	-17 By	:PD
MC50557- MC50557-		15-JUN-17 15:17 15-JUN-17 15:35	NAF NAF	14-JUN-17 14-JUN-17		LC537LISTAO LC537LISTAO



ACCUTEST New England

Section 7

	-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: MC50557

ALNE SGS Accutest New England

Account: Project:

ATCMAS: 289 Lower Sandy Hill, Westfield, MA

1							
Sample	File ID	DF	Analyzed	Ву	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/I	
2058-94-8	Perfluoroundecanoic acid	ND	0.0080	ug/I	
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%	70-1309	%	
	13C2-PFDA	107%	70-1309	-	
	d5-EtFOSAA	82%	70-1309		
				-	

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 06/14/17	Prep Batch	Analytical Batch
OP65453-BS	Q35209.D	1	06/15/17	NAF		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
CAD 140.	Compound	45/1	4 6/1	,,	21111100
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	Lim	nits	
	13C2-PFHxA	99%	70-	130%	
	13C2-PFDA	106%	70-1	130%	
	d5-EtFOSAA	94%	70-	130%	

⁽a) Outside control limits.

^{* =} Outside of Control Limits.

MC50557

ALNE SGS Accutest New England

Project:

ATCMAS: 289 Lower Sandy Hill, Westfield, MA

Check Std: SQ913-ICC913 Q35203.D Lab File ID: Instrument ID: GCMSQ

Injection Date: 06/15/17 Injection Time: 11:11 Method: **EPA 537**

	····						
Lower Limit ^d	16355	3.26	18339 5.57	33737 5.58	28766 6.08	5837 🔆 6.55	14386 8.83
Check Std ^b Upper Limit ^c	49064	5.26	55016 7.57	68135 6.58 101210 7.58	86298 8.08	17511 8.55	43157 10.83
Initial Cal a	32709			67473 6.58			
	AREA			AREA RT			AREA RT
	IS 1		IS 2	IS 3	IS 4	IS 5	IS 6

Lab	IS 1		IS 2		IS 3		IS 4		IS 5	IS 6
Sample ID	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-PFPeAIS 2 = 13C2-6:2FTS= 13C2-PFOAIS 3 **IS 4** = 13C4-PFOSIS 5 = d3-MeFOSAA

= 13C2-PFDoDA

IS 6

- (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.



Semivolatile Internal Standard Area Summary

Job Number:

MC50557

Account:

ALNE SGS Accutest New England

Project:

ATCMAS: 289 Lower Sandy Hill, Westfield, MA

Check Std:
Lab File ID:

Instrument ID: GCMSQ

SQ913-CC913 Q35218.D Injection Date: 06/15/17 Injection Time: 15:53

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 Upper Limit ^c Lower Limit ^d	26934 4.17	39868 6.51	65960 6.50	54693 7.02	13751 7.51	30331 9.62
	49064 5.17	55016 7.51	101210 7.50	86298 8.02	17511 8.51	43157 10.62
	16355 3.17	18339 5.51	33737 5.50	28766 6.02	5837 6.51	14386 8.62
Lab	IS 1	IS 2	IS 3	IS 4	IS 5	IS 6
Sample ID	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

1S 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.

Semivolatile Surrogate Recovery Summary Job Number: MC50557

Page 1 of 1

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	Lab		
Sample ID	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

 $S1 = 13C2-PFHx\dot{A}$ 70-130% S2 = 13C2-PFDA70-130% S3 = d5-EtFOSAA70-130%