

# Commonwealth of Massachusetts Executive Office of Energy & Environmental Affairs

# Department of Environmental Protection

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

Charles D. Baker Governor

Karyn E. Polito Lieutenant Governor Matthew A. Beaton Secretary

> Martin Suuberg Commissioner

Mayor Brian P. Sullivan 59 Court Street - Room 202 Westfield, MA 01085 September 13, 2017

RE:

MassDEP Private Well Sampling- PFCs

RTN: 1-20093

Dear Mayor Sullivan,

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

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

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

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

Below are the laboratory results of the fifty- eight (5) private wells sampled to date:

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

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

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

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

Sincerely,

Michael Gorski Regional Director

Ecc: Barnes ANG – Colonel James Suhr

Colonel Peter Green John Richardson

Barnes Aquifer Protection Committee - Patty Gambarini

Westfield DPW - David Billips

Westfield Health Department - Joseph Rouse

Westfield Councilor Mary Ann Babinski

Massachusetts Department of Public Health - Dr. Marc Nascarella



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# Department of Environmental Protection

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

Charles D. Baker Governor

Karyn E. Polito Lieutenant Governor Matthew A. Beaton Secretary

> Martin Suuberg Commissioner

September 13, 2017

Patricia Kellogg 289 Lower Sandy Hill Road Westfield, MA 01085

Re: Notice of Environmental Sampling

289 Lower Sandy Hill Road Westfield Private Well Sampling

Westfield, RTN 1-20093

Dear Ms. Kellogg:

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

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

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

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

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

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

Sincerely,

Eva Tor

Deputy Regional Director Bureau of Waste Site Cleanup

Attachments: Notice of Environmental Sampling (BWSC-123)

Laboratory Report

Ecc: Mayor, City of Westfield

Barnes ANG-John Richardson

Barnes Aquifer Protection Committee

Westfield DPW – David Billips Westfield Health Department

Dr. Marc A. Nascarella, Ph.D/DPH

cc:

Denise Andler, DEP WERO Data Entry: FOLOFF, FOLFLD

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

**BWSC123** 

This Notice is Related to: Release Tracking Number

# 1 - 20093

### NOTICE OF ENVIRONMENTAL SAMPLING

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

Α.	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: Patricia Kellogg
2.	Street Address: 289 Lower Sandy Hill Road
	City/Town: Westfield Zip Code: 01085
C.	This notice is being given to inform its recipient (the party listed in Section B):
	1. That environmental sampling will be/has been conducted at property owned by the recipient of this notice.
	2. Of the results of environmental sampling conducted at property owned by the recipient of this notice.
	3. Check to indicate if the analytical results are attached. (If item 2, above is checked, the analytical results from
	the environmental sampling must be attached to this notice.)
D.	Location of the property where the environmental sampling will be/has been conducted:
1.	Street Address: 289 Lower Sandy Hill Road
	City/Town: Westfield Zip Code: 01085
2.	MCP phase of work during which the sampling will be/has been conducted:
	☑ 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 ne of this notice.
In	fluent, mid-fluent, and effluent water samples were collected from the the point of entry drinking
	ater treatment system installed at the above-reference residence to confirm the system is
16	moving PFAS from the well water.
E. (	Contact information related to the party providing this notice:
	ntact Name: David Bachand
	reet Address: 436 Dwight Street
	ty/Town: Springfield Zip Code: 01103
Te	lephone: (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 <a href="http://www.mass.gov/eea/agencies/massdep/cleanup">http://www.mass.gov/eea/agencies/massdep/cleanup</a>. 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 <a href="http://public.dep.state.ma.us/SearchableSites2/Search.aspx">http://public.dep.state.ma.us/SearchableSites2/Search.aspx</a> to view site-specific files on-line or <a href="http://mass.gov/eea/agencies/massdep/about/contacts/conduct-a-file-review.html">http://mass.gov/eea/agencies/massdep/about/contacts/conduct-a-file-review.html</a> 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



August 15, 2017

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

Project Location: 289 Lower Sandy Hill Rd, Westfield

Client Job Number:

Project Number: 183EM00170

Laboratory Work Order Number: 17H0057

Keny K. Mille

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

Sincerely,

Kerry K. McGee Project Manager

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ATC Group Services LLC - West Springfield

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

REPORT DATE: 8/15/2017

PROJECT NUMBER:

183EM00170

ANALYTICAL SUMMARY

WORK ORDER NUMBER:

17H0057

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

PROJECT LOCATION:

289 Lower Sandy Hill Rd, Westfield

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



#### CASE NARRATIVE SUMMARY

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

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

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

Lisa A. Worthington
Project Manager

na Wasshugta



Project Location: 289 Lower Sandy Hill Rd, Westfie

Sample Description:

Work Order: 17H0057

Date Received: 8/1/2017

Field Sample #: Field Blank 06

Sampled: 8/1/2017 10:10

Sample ID: 17H0057-01 Sample Matrix: Field Blank

			M	liscellaneous Org	ganic Analys	es				
			MCL/SMC	L				Date	Date/Time	
Analyte	Results	RL	MA ORSG	Units	Dilution	Flag/Qual	Method	Prepared	Analyzed	Analyst
Perfluoroundecanoic acid (PFUnA)	ND	2.0	2	ng/L	i		EPA 537	8/11/17	8/13/17 16:14	BLM
Perfluorotridecanoic acid (PFTrDA)	ND	2.0	2	ng/L	1		EPA 537	8/11/17	8/13/17 16:14	BLM
Perfluorotetradecanoie acid (PFTA)	ND	2.0	2	ng/L	1		EPA 537	8/11/17	8/13/17 16:14	BLM
Perfluorooctanoic acid (PFOA)	ND	2.0	2	ng/L	1		EPA 537	8/11/17	8/13/17 16:14	BLM
Perfluorooctanesulfonic acid (PFOS)	ND	2.0	2	ng/L	1		EPA 537	8/11/17	8/13/17 16:14	BLM
Perfluorononanoic acid (PFNA)	ND	2.0	2	ng/L	1 .		EPA 537	8/11/17	8/13/17 16:14	BLM
Perfluorohexanoic acid (PFHxA)	ND	2.0	2	ng/L	1		EPA 537	8/11/17	8/13/17 16:14	BLM
Perfluorohexanesulfonic acid (PFHxS)	ND	2.0	2	ng/L	1		EPA 537	8/11/17	8/13/17 16:14	BLM
Perfluoroheptanoic acid (PFHpA)	ND	2.0	2	ng/L	1		EPA 537	8/11/17	8/13/17 16:14	BLM
Perfluorododecanoic acid (PFDoA)	ND	2.0	2	ng/L	1		EPA 537	8/11/17	8/13/17 16:14	BLM
Perfluorodecanoic acid (PFDA)	ND	2.0	. 2	ng/L	1		EPA 537	8/11/17	8/13/17 16:14	BLM
Perfluorobutanesulfonic acid (PFBS)	ND	2.0	2	ng/L	1		EPA 537	8/11/17	8/13/17 16:14	BLM
NEtFOSAA	ND	2.0		ng/L	1	4	EPA 537	8/11/17	8/13/17 16:14	BLM
NMeFOSAA	ND	2.0		ng/L	1		EPA 537	8/11/17	8/13/17 16:14	BLM
Surrogates		% Re	covery	Recovery Limits	5	Flag/Qual				
13C-PFHxA		99.2		70-130					8/13/17 16:14	
13C-PFDA		107		70-130					8/13/17 16:14	
d5-NEtFOSAA		118		70-130					8/13/17 16:14	



Project Location: 289 Lower Sandy Hill Rd, Westfie

Sample Description:

Work Order: 17H0057

Date Received: 8/1/2017

Field Sample #: 289 EFF-1

Sampled: 8/1/2017 10:50

Sample ID: 17H0057-02

Sample Matrix: Drinking Water

			1	Miscellaneous Or	ganic Analys	es			•	
			MCL/SMC	CL.				Date	Date/Time	
Analyte	Results	RL	MA ORS	G Units	Dilution	Flag/Qual	Method	Prepared	Analyzed	Analyst
Perfluoroundecanoic acid (PFUnA)	ND	2.0	2	ng/L	1		EPA 537	8/11/17	8/13/17 17:18	BLM
Perfluorotridecanoic acid (PFTrDA)	ND	2.0	2	ng/L	1		EPA 537	8/11/17	8/13/17 17:18	BLM
Perfluorotetradecanoic acid (PFTA)	ND	2.0	2	ng/L	1		EPA 537	8/11/17	8/13/17 17:18	BLM
Perfluorooctanoic acid (PFOA)	ND	2.0	2	ng/L	1		EPA 537	8/11/17	8/13/17 17:18	BLM
Perfluorooctanesulfonic acid (PFOS)	ND	2.0	. 2	ng/L	1		EPA 537	8/11/17	8/13/17 17:18	BLM
Perfluorononanoic acid (PFNA)	ND	2.0	2	ng/L	1		EPA 537	8/11/17	8/13/17 17:18	BLM
Perfluorohexanoic acid (PFHxA)	ND	2.0	2	ng/L	1		EPA 537	8/11/17	8/13/17 17:18	BLM
Perfluorohexanesulfonic acid (PFHxS)	ND	2.0	2	ng/L	1		EPA 537	8/11/17	8/13/17 17:18	BLM
Perfluoroheptanoic acid (PFHpA)	ND	2.0	2	ng/L	1		EPA 537	8/11/17	8/13/17 17:18	BLM
Perfluorododecanoic acid (PFDoA)	ND	2.0	2	ng/L	1		EPA 537	8/11/17	8/13/17 17:18	BLM
Perfluorodecanoic acid (PFDA)	ND	2.0	2	ng/L	1		EPA 537	8/11/17	8/13/17 17:18	BLM
Perfluorobutanesulfonic acid (PFBS)	ND	2.0	· 2	ng/L	1		EPA 537	8/11/17	8/13/17 17:18	BLM
NEtFOSAA	ND	2.0		ng/L	1	•	EPA 537	8/11/17	8/13/17 17:18	BLM .
NMcFOSAA	ND	2.0		ng/L	ι		EPA 537	8/11/17	8/13/17 17:18	BLM
Surrogates		% Rec	covery	Recovery Limits	S	Flag/Qual				
13C-PFHxA		88,2		70-130					8/13/17 17:18	
13C-PFDA		87.1		70-130					8/13/17 17:18	
d5-NEtFOSAA		87.5		70-130					8/13/17 17:18	



Project Location: 289 Lower Sandy Hill Rd, Westfie

Sample Description:

Work Order: 17H0057

Date Received: 8/1/2017

Field Sample #: 289 EFF-1

Sampled: 8/1/2017 10:50

Sample ID: 17H0057-02

Sample Matrix: Drinking Water

Arsenic

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



Project Location: 289 Lower Sandy Hill Rd, Westfie

Sample Description:

Work Order: 17H0057

Date Received: 8/1/2017 Field Sample #: 289 Mid-1

Sampled: 8/1/2017 10:55

Sample ID: 17H0057-03

Sample Matrix: Drinking Water

			Ŋ	Aiscellaneous Org	ganic Analys	es				
Analyte	Results	RL	MCL/SMC		Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Perfluoroundecanoic acid (PFUnA)	ND	2.0	2	ng/L	l		EPA 537	8/11/17	8/13/17 17:30	BLM
Perfluorotridecanoic acid (PFTrDA)	ND	2.0	2	ng/L	1		EPA 537	8/11/17	8/13/17 17:30	BLM
Perfluorotetradecanoie acid (PFTA)	ND	2.0	2	ng/L	1		EPA 537	8/11/17	8/13/17 17:30	BLM
Perfluorooctanoie acid (PFOA)	ND	2.0	2	ng/L	1		EPA 537	8/11/17	8/13/17 17:30	BLM
Perfluorooctanesulfonic acid (PFOS)	ND	2.0	2	ng/L	1		EPA 537	8/11/17	8/13/17 17:30	BLM
Perfluorononanoic acid (PFNA)	ND	2.0	2	ng/L	1		EPA 537	8/11/17	8/13/17 17:30	BLM
Perfluorohexanoic acid (PFHxA)	ND	2.0	2	ng/L	1		EPA 537	8/11/17	8/13/17 17:30	BLM
Perfluorohexanesulfonic acid (PFHxS)	ND	2.0	2	ng/L	1		EPA 537	8/11/17	8/13/17 17:30	BLM
Perfluoroheptanoic acid (PFHpA).	ND	2.0	2	ng/L	ı		EPA 537	8/11/17	8/13/17 17:30	BLM
Perfluorododecanoic acid (PFDoA)	ND	2,0	2	ng/L	t		EPA 537	8/11/17	8/13/17 17:30	BLM
Perfluorodecanoic acid (PFDA)	ND	2.0	2	ng/L	1		EPA 537	8/11/17	8/13/17 17:30	BLM
Perfluorobutanesulfonic acid (PFBS)	ND	2.0	2	ng/L	1		EPA 537	8/11/17	8/13/17 17:30	BLM
NEtFOSAA	ND	2.0		ng/L	1		EPA 537	8/11/17	8/13/17 17:30	BLM
NMcFOSAA	ND	2.0		ng/L	1		EPA 537	8/11/17	8/13/17 17:30	BLM
Surrogates	····	% Rec	overy	Recovery Limits		Flag/Qual				
13C-PFHxA		86.6		70-130					8/13/17 17:30	
13C-PFDA		88.2		70-130					8/13/17 17:30	
d5-NEtFOSAA		95.3		70-130					8/13/17 17:30	



Project Location: 289 Lower Sandy Hill Rd, Westfie

Sample Description:

Work Order: 17H0057

Date Received: 8/1/2017 Field Sample #: 289 Mid-1

Sampled: 8/1/2017 10:55

Sample ID: 17H0057-03

Samole Matrix: Drinking Water

Metals	Anal	USPS I	(Total)	Ŀ
1101919	Alla	363	LUCAL	t

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



Project Location: 289 Lower Sandy Hill Rd, Westfie

Sample Description:

Work Order: 17H0057

Date Received: 8/1/2017

Field Sample #: 289 Inf-1

Sampled: 8/1/2017 11:00

Sample ID: 17H0057-04

Sample Matrix: Drinking Water

			P	Aiscellaneous Or	rganic Analys	ies				
			MCL/SMC	EL.				Date	Date/Time	
Analyte	Results	RL	MA ORSO	G Units	Dilution	Flag/Qual	Method	Prepared	Analyzed	Analys
Perfluoroundecanoic acid (PFUnA)	ND	2.0	2	ng/L	t		EPA 537	8/11/17	8/13/17 20:03	BLM
Perfluorotridecanoic acid (PFTrDA)	ND	2.0	2	ng/L	. 1		EPA 537	8/11/17	8/13/17 20:03	BLM
Perfluorotetradecanoic acid (PFTA)	ND	2.0	2	ng/L	1		EPA 537	8/11/17	8/13/17 20:03	BLM
# Perfluorooctanoic acid (PFOA)	100	2.0	2	ng/L	1		EPA 537	8/11/17	8/13/17 20:03	BLM
# Perfluorooctanesulfonic acid (PFOS)	370	10	2	ng/L	5		EPA 537	8/11/17	8/15/17 13:16	BLM
Perfluorononanoic acid (PFNA)	ND	2.0	2	ng/L	1		EPA 537	8/11/17	8/13/17 20:03	BLM
# Perfluorohexanoic acid (PFHxA)	67	2.0	2	ng/L	1		EPA 537	8/11/17	8/13/17 20:03	BLM
# Perfluorohexanesulfonic acid (PFHxS)	220	10	2	ng/L	5		EPA 537	8/11/17	8/15/17 13:16	BLM
# Perfluoroheptanoic acid (PFHpA)	19	2.0	2	ng/L	1		EPA 537	8/11/17	8/13/17 20:03	BLM
Perfluorododecanoic acid (PFDoA)	ND	2.0	2	ng/L	1		EPA 537	8/11/17	8/13/17 20:03	BLM
Perfluorodecanoic acid (PFDA)	ND	2.0	2	ng/L	1		EPA 537	8/11/17	8/13/17 20:03	BLM
# Perfluorobutanesulfonic acid (PFBS)	19	2.0	2	ng/L	ì		EPA 537	8/11/17	8/13/17 20:03	BLM
NEIFOSAA	ND	2.0		ng/L	1		EPA 537	8/11/17	8/13/17 20:03	BLM
NMeFOSAA	ND	2.0		ng/L	1		EPA 537	8/11/17	8/13/17 20:03	BLM
Surrogates		% Rec	overy	Recovery Limit	s	Flag/Qual		<del></del>		
13C-PFHxA		98.7		70-130					8/13/17 20:03	
13C-PFHxA		86.9		70-130					8/15/17 13:16	
13C-PFDA		70.7		70-130					8/13/17 20:03	
13C-PFDA		89.0		70-130					8/15/17 13-16	

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
13C-PFHxA	98.7	70-130		8/13/17 20:03
13C-PFHxA	86.9	70-130		8/15/17 13:16
13C-PFDA	70.7	70-130		8/13/17 20:03
13C-PFDA	89.0	70-130		8/15/17 13:16
d5-NEtFOSAA	88.1	70-130		8/13/17 20:03
d5-NEtFOSAA	94.3.	70-130	•	8/15/17 13:16



Project Location: 289 Lower Sandy Hill Rd, Westfie

Sample Description:

Work Order: 17H0057

Date Received: 8/1/2017
Field Sample #: 289 Inf-1

Sampled: 8/1/2017 11:00

Sample ID: 17H0057-04

Sample Matrix: Drinking Water

Metals	Analyses	(Total)

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



Project Location: 289 Lower Sandy Hill Rd, Westfie

Sample Description:

Work Order: 17H0057

Date Received: 8/1/2017

Field Sample #: Trip Blank

Sampled: 8/1/2017 00:00

Sample ID: 17H0057-05

Sample Matrix: Trip Blank Water

			Miscellaneous Or	ganic Analys	es				
Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Perfluoroundecanoic acid (PFUnA)	ND	2.0	ng/L	***		EPA 537	8/11/17	8/13/17 15:48	BLM
Perfluorotridecanoic acid (PFTrDA)	ND	2.0	ng/L	1		EPA 537	8/11/17	8/13/17 15:48	BLM
Perfluorotetradecanoic acid (PFTA)	ND	2.0	ng/L	ı		EPA 537	8/11/17	8/13/17 15:48	BLM
Perfluorooetanoic acid (PFOA)	ND	2.0	ng/L	1		EPA 537	8/11/17	8/13/17 15:48	BLM
Perfluorooctanesulfonic acid (PFOS)	ND	2.0	ng/L	1		EPA 537	8/11/17	8/13/17 15:48	BLM
Perfluorononanoic acid (PFNA)	ND	2.0	ng/L	1		EPA 537	8/11/17	8/13/17 15:48	BLM
Perfluorohexanoic acid (PFHxA)	ND	2.0	ng/L	1		EPA 537	8/11/17	8/13/17 15:48	BLM
Perfluorohexanesulfonic acid (PFHxS)	ND	2.0	ng/L	1		EPA 537	8/11/17	8/13/17 15:48	BLM
Perfluoroheptanoic acid (PFHpA)	ND	2.0	ng/L	1		EPA 537	8/11/17	8/13/17 15:48	BLM
Perfluorododecanoic acid (PFDoA)	ND	2.0	ng/L	1		EPA 537	8/11/17	8/13/17 15:48	BLM
Perfluorodecanoic acid (PFDA)	ND	2.0	ng/L	. 1		EPA 537	8/11/17	8/13/17 15:48	BLM
Perfluorobutanesulfonic acid (PFBS)	ND	2.0	ng/L	1		EPA 537	8/11/17	8/13/17 15:48	BLM
NEIFOSAA	ND	2.0	ng/L	1		EPA 537	8/11/17	8/13/17 15:48	BLM
NMeFOSAA	ND	2.0	ng/L	1		EPA 537	8/11/17	8/13/17 15:48	BLM
Surrogates		% Recovery	Recovery Limits		Flag/Qual				

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



#### Sample Extraction Data

Prep Method: EPA 200.8-EPA 200.8

Lab Number [Field ID]	Batch	Initial [mL]	Final [mL]	Date	
17H0057-02 [289 EFF-1] 17H0057-03 [289 Mid-1]	B184074 B184074	10.0 10.0	10.0 10.0 10.0	08/14/17 08/14/17 08/14/17	
17H0057-04 [289 Inf-1]	B184074	10.0	10.0	00/14/17	

Prep Method: EPA 537-EPA 537

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



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

### Miscellaneous Organic Analyses - Quality Control

Analyta	2514	Reporting	TT	Spike	Source	0/855	%REC	RPD	
Analyte	Result	Limit	Units	Level	Result	%REC	Limits	RPD Limit	Notes
atch B183913 - EPA 537									
Blank (B183913-BLK1)				Prepared: 08	3/11/17 Analy	yzed: 08/13/	7		
Perfluoroundecanoie 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						
Perfluorohexanoic acid (PFHxA)	ND	2.0	ng/L						
Perfluorohexanesulfonic acid (PFHxS)	ND	2,0	ng/L						
Perfluoroheptanoic acid (PFHpA)	ND	2.0	ng/L						
Perfluorododecanoic acid (PFDoA)	ND	2.0	ng/L						
Perfluorodecanoic acid (PFDA)	ND	2.0	ng/L						
Perfluorobutanesulfonic acid (PFBS)	, ND	2.0	ng/L						
NEtFOSAA	ND	2.0	ng/L						
NMeFOSAA	ND	2.0	ng/L						•
Surrogate: 13C-PFHxA	39.5		ng/L	40.0		98.7	70-130		
Surrogate: 13C-PFDA	44.3		ng/L	40.0		111	70-130		
Surrogate: d5-NEtFOSAA	188		ng/L	160		118	70-130		
LCS (B183913-BS1)				Prepared: 08	/11/17 Analy	zed: 08/13/1	7		
Perfluoroundecanoic acid (PFUnA)	2.18	2.0	ng/L	2.00		109	50-150		: ·
Perfluorotridecanoic acid (PFTrDA)	2.01	2.0	ng/L	2.00		100	50-150		
Perfluorotetradecanoie acid (PFTA)	2.01	2.0	ng/L	2.00		101	50-150		
Perfluorooctanoic acid (PFOA)	2.20	2.0	ng/L	2.00		110	50-150		
Perfluorooctanesulfonic acid (PFOS)	2.30	2.0	ng/L	1.85		125	50-150		
Perfluorononanoie acid (PFNA)	1.58	2.0	ng/L	2.00		79.2	50-150		
Perfluorohexanoic acid (PFHxA)	1.95	2.0	ng/L	2.00		97.4	50-150		
Perfluorohexanesulfonic acid (PFHxS)	1.74	2.0	ng/L	1.82		95.8	50-150	1	
Perfluoroheptanoie acid (PFHpA)	1.75	2.0	ng/L	2,00		87.6	50-150		
erfluorododecanoic acid (PFDoA)	1.80	2.0	ng/L	2.00		89.8	50-150		
erfluorodecanoic acid (PFDA)	2.13	2.0	ng/L	2.00		106	50-150		
erfluorobutanesulfonic acid (PFBS)	1,65	2.0	ng/L	1.77		93.3	50-150		
VEtFOSAA	1.59	2.0	ng/L	2.00		79.4	50-150		
MeFOSAA	1.92	2.0	ng/L	2.00		95.9	50-150		
urrogate: 13C-PFHxA	34.0		ng/L	40.0		85.1	70-130		
Surrogate: 13C-PFDA	37.3		ng/L	40.0		93.3	70-130		
Surrogate: d5-NEtFOSAA	169		ng/L	160	•	105	70-130		



#### QUALITY CONTROL

#### Metals Analyses (Total) - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B184074 - EPA 200.8										
Blank (B184074-BLK1)				Prepared: 08	3/14/17 Anal	yzed: 08/15/1	17			11 - 107
Arsenic	ND	1.0	μg/L					•		
LCS (B184074-BS1)				Prepared: 08	3/14/17 Anal	yzed: 08/15/	17			
Arsenic	42.2	1.0	μg/L	40.0		105	85-115			



#### FLAG/QUALIFIER SUMMARY

*	QC result is o	utside of	established	limits.
	**** *			***

† Wide recovery limits established for difficult compound.

Wide RPD limits established for difficult compound.

# Data exceeded client recommended or regulatory level

ND Not Detected

RL Reporting Limit

DL Method Detection Limit

MCL Maximum Contaminant Level

Percent recoveries and relative percent differences (RPDs) are determined by the software using values in the

calculation which have not been rounded.

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



#### CERTIFICATIONS

#### Certified Analyses included in this Report

Analyte

Certifications

EPA 200.8 in Drinking Water

Arsenic

CT,MA,NH,NY,RI,NC,ME,VA

EPA 537 in Drinking Water

Perfluorooctanoic acid (PFOA)

NH,NY

Perfluorooctanesulfonic acid (PFOS)

NH,NY

 $\label{thm:convergence} The \ CON-TEST \ Environmental \ Laboratory \ operates \ under the \ following \ certifications \ and \ accreditations:$ 

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-\$	New Hampshire Environmental Lab	2516 NELAP	02/5/2018
RI	Rhode Island Department of Health	LAO00112	12/30/2017
NC	North Carolina Div. of Water Quality	652	12/31/2017
NJ	New Jersey DEP	MA007 NELAP	06/30/2018
FL	Florida Department of Health	E871027 NELAP	06/30/2018
VT	Vermont Department of Health Lead Laboratory	LL015036	07/30/2018
МЕ	State of Maine	2011028	06/9/2019
VA	Commonwealth of Virginia	460217	12/14/2017
NH-P	New Hampshire Environmental Lab	2557 NELAP	09/6/2017
VT-DW	Vermont Department of Health Drinking Water	VT-255716	06/12/2018
NC-DW	North Carolina Department of Health	25703	07/31/2018

Table	of	Contents
, and	v,	COLLCING

GW = Ground Water WW = Waste Water DW = Drinking Water <sup>2</sup> Preservation Codes: X = Sodium Hydroxide B = Sodium Bisulfate S = Summa Canister T = Tedlar Bag Page \_1\_\_ of \_\_1\_\_ <sup>3</sup> Container Codes: O = Other (please A = Amber Glass
G = Glass
P = Plastic 0 = Other (please N = Nitric Acid S = Sulfuric Acid Thiosulfate O = Other (please Non Soxhlet Speak beylessig <sup>2</sup> Preservation Code O Field Filtered Matrix Codes: PCB ONL) O Field Filtered Soxhlet O Lab to Filter O Lab to Filter ST = Sterile V = Vial <sup>3</sup> Container Code A = Air S = Soil SL = Sludge SOL = Solid M = Methanol = Sodium # of Containers TRIZAGA = Iced define) define) define) 12 × H Please use the following codes to indicate possible sample concentration Chromatogram East Longmeadow, MA 01028 were contractatos con AIHA-LAP,LLC H - High; M - Medium; L - Low; C - Clean; U - Unknown ANALYSIS REQUESTED 39 Spruce Street within the Conc Code column above: Other ☐ WRTA CT RCP Required z MCP Certification Form Required RCP Certification Form Required TOTAL AS, Fe, HARDNESS, TOC × MA MCP Required MA State DW Required School MBTA 0 Special Requirements ۵. **EPA METHOD 537** × × × ⊃  $\Rightarrow$  $\Rightarrow$  $\Rightarrow$ Email To:rob.smith@atcassociates.com Ending Composite Grab Matrix CHAIN OF CUSTODY RECORD  $\sum$ ₹ ձ ₹ Ѯ Municipality Brownfield PWSID # 3-Day 4-Day Ä CLP Like Data Pkg Required: × × × × Due Date: 5-day TAT 5] POF Government Format: Fax To # 1010 1050 1055 1100 Federal 7-Day Other: -Pay 2-Day <u>₹</u> Project Entity Beginning Date/Time 8/1/2017 8/1/2017 eatho. 8/1/2017 8/1/2017 73 William Franks Drive, West Springfield, MA Email; info@contestlabs.com 230 RUN EPA Method 537: Trip Blank From Project 281 Lower Sandy Hill Rd. 289 Lower Sandy Hill Rd, Westfield 8/1/17 13:30 289 Lower Sandy Hill Rd, Westfield Phone: 413-525-2332 citent sample iD / Description Fax: 413-525-6405 Date/Time: Date/Time: Jate/Time: Date/Time: Date/Time: Date/Time: ATC Group Services (413) 781-0070 Joseph Bolduc field blank-06 183EM00170 Rob Smith 289 EFF-1 289 Mid-1 20161 289 Inf-1 Con-Test Quote Name/Number; CON-KESK\* inquished by: (signature) Relinquished by: (signature) Received by: (signature) eived by: (signature) eived by; (signature) Work Order# Con-Test Company Name Involce Recipient: Project Location: Project Manager: Project Name Project Number: Sampled By: Comments: Address: Phone: Page 18 of 19

Doc # 381 Rev 1\_03242017

http://www.contestlabs.com

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				. O .	T	71	00.	
Receiv	-	RUF		Date	211	11 1	Time	<u>1330</u>	)
How were the	•	In Cooler		No Cooler		On Ice		No Ice	
recei	ved?	Direct from Sam	pling	T		Ambient		Melted Ice	
More com	alaa within		By Gun #	1	•	Actual Tem	p- 19.4	٠, ح	<u> </u>
Were samp		F	By Blank #			Actual Tem	1	<u> </u>	
•	Custody S		_ by Dialik #		ra Sampla	s Tampered		<u> </u>	
	COC Relin		<u> </u>	•	•	ree With Sar			
		eaking/loose caps	mea vae an	•	T"	iee with oar	npies:		
Is COC in in		•	out any sam		nnles recei	- ived within he	oldina time?		
Did COC ii	_	Client		Analysis	ubies recei		er Name		
pertinent Inf		Project	<del>-</del>	ID's	<del></del>		Dates/Times	<del></del>	•
•		l out and legible?	<del></del>	. 103		OOIICOHOII	Dates ( inco	,	
Are there La		-	7		M/ha wa	s notified?			
Are there La Are there Ru						s notified?			
			<del></del>	•				<del></del>	
Are there Sh		2	<u>.                                    </u>		wrio was	s notified?			
Is there enou	_		<u>T</u>		MOMIODO	^			
		ere applicable?	<u></u>		MS/MSD?		4 - 40		
Proper Medi						samples req	uired7	<u> </u>	
Were trip bla			+	4 11	On COC?		_		
Do all sampl	es have the	proper pH?		Acid .		-	Base		
Vals	T T	Gonelness	#						
Unp-		1 Liter Amb.		1 Liter				Amb.	
HCL-	,	500 mL Amb.		500 mL				b/Clear	
Meoh-		250 mL Amb.		250 mL		10		b/Clear	
Bisulfate-		Col./Bacteria		Flash			<del></del>	b/Clear	
DI-		Other Plastic		Other	<del></del>		End	core	
Thiosulfate-		SOC Kit		Plastic			Frozen:		
Sulfuric-		Perchlorate		Ziplo	ock				
				Unused A	Aedia 💮				
Vialson		(mintering ty	ii.			*			
Unp-		1 Liter Amb.		1 Liter I			16 oz		
HCL-		500 mL Amb.		500 mL	<del></del>		8oz Am		
Meoh-		250 mL Amb.		250 mL			4oz Am		
Bisulfate-		Col./Bacteria		Flash			2oz Am		
DI-		Other Plastic		Other			Enc	ore	
Thiosulfate-		SOC Kit		Plastic			Frozen:		1
Sulfuric-		Perchlorate	L	Ziplo	ock		·····		
Comments:	<del></del>								
				•					



# Commonwealth of Massachusetts Executive Office of Energy & Environmental Affairs

# Department of Environmental Protection

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

Charles D. Baker Governor

Karyn E. Polito Lieutenant Governor Matthew A. Beaton Secretary

> Martin Suuberg Commissioner

September 13, 2017

Couture Partners LLC Attn: Bob Couture 504 11<sup>th</sup> Street Hermosa Beach, CA 90254

Re: Notice of Environmental Sampling

285 Lower Sandy Hill Road Westfield Private Well Sampling

Westfield, RTN 1-20093

Dear Mr. Couture:

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

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

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

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

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

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

Sincerely,

Eva Tor

Deputy Regional Director Bureau of Waste Site Cleanup

Attachments: Notice of Environmental Sampling (BWSC-123)

Laboratory Report

Ecc: Mayor, City of Westfield

Barnes ANG-John Richardson

Barnes Aquifer Protection Committee

Westfield DPW – David Billips Westfield Health Department

Dr. Marc A. Nascarella, Ph.D/DPH

cc:

Denise Andler, DEP WERO Data Entry: FOLOFF, FOLFLD

## Massachusetts Department of Environmental Protection

Bureau of Waste Site Cleanup

#### **BWSC123**

This Notice is Related to: Release Tracking Number

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: Couture Partners LLC 2. Street Address: 504 11th Street City/Town: Hermosa Beach 90254 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: 285 Lower Sandy Hill Road City/Town: Westfield 01085 Zip Code: 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: ✓ residential commercial industrial school/playground (specify) 4. Description of the sampling locations and types (e.g., soil, groundwater, indoor air, soil gas) to the extent known at the time of this notice. Influent, mid-fluent, and effluent water samples were collected from the the point of entry drinking water treatment system installed at the above-reference residence to confirm the system is removing PFAS from the well water. E. Contact information related to the party providing this notice: Contact Name: David Bachand Street Address: 436 Dwight Street City/Town: Springfield 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	
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#### 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 <a href="http://www.mass.gov/eea/agencies/massdep/cleanup">http://www.mass.gov/eea/agencies/massdep/cleanup</a>. 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 <a href="http://public.dep.state.ma.us/SearchableSites2/Search.aspx">http://public.dep.state.ma.us/SearchableSites2/Search.aspx</a> to view site-specific files on-line or <a href="http://mass.gov/eea/agencies/massdep/about/contacts/conduct-a-file-review.html">http://mass.gov/eea/agencies/massdep/about/contacts/conduct-a-file-review.html</a> 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



August 18, 2017

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

Project Location: 285 Lower Sandy Hill Rd., Westfield, MA

Client Job Number:

Project Number: 183EM00170

Laboratory Work Order Number: 17H0194

Berry K. Mille

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

Sincerely,

Kerry K. McGee Project Manager

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ATC Group Services LLC - West Springfield

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

REPORT DATE: 8/18/2017

PROJECT NUMBER:

183EM00170

#### ANALYTICAL SUMMARY

WORK ORDER NUMBER:

17H0194

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

PROJECT LOCATION:

285 Lower Sandy Hill Rd., Westfield, MA

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



#### CASE NARRATIVE SUMMARY

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

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

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

Lisa A. Worthington Project Manager

na Wasslengten



Project Location: 285 Lower Sandy Hill Rd., Westfi

Sample Description:

Work Order: 17H0194

Date Received: 8/3/2017 Field Sample #: Trip Blank

Sampled: 8/3/2017 08:00

Sample ID: 17H0194-01

Sample Matrix: Trip Blank Water

			М	iscellaneous Org	ganic Analys	es				
			MCL/SMC	L				Date	Date/Time	
Analyte	Results	RL	MA ORSG	Units	Dilution	Flag/Qual	Method	Prepared	Analyzed	Analyst
Perfluoroundecanoic acid (PFUnA)	ND	2.0	2	ng/L	1		EPA 537	8/11/17	8/13/17 16:27	BLM
Perfluorotridecanoic acid (PFTrDA)	ND	2.0	2	ng/L	1		EPA 537	8/11/17	8/13/17 16:27	BLM
Perfluorotetradecanoic acid (PFTA)	ND.	2.0	2	ng/L	1	•	EPA 537	8/11/17	8/13/17 16:27	BLM
Perfluorooctanoic acid (PFOA)	ND	2.0	2	ng/L	1		EPA 537	8/11/17	8/13/17 16:27	BLM
Perfluorooctanesulfonic acid (PFOS)	ND	2.0	2	ng/L	1		EPA 537	8/11/17	8/13/17 16:27	BLM
Perfluorononanoic acid (PFNA)	ND	2.0	2	ng/L	I		EPA 537	8/11/17	8/13/17 16:27	BLM
Perfluorohexanoic acid (PFHxA)	ND	2.0	2	ng/L	I		EPA 537	8/11/17	8/13/17 16:27	BLM
Perfluorohexanesulfonic acid (PFHxS)	ND	2.0	2	ng/L	i		EPA 537	8/11/17	8/13/17 16:27	BLM
Perfluoroheptanoic acid (PFHpA)	ND	2.0	2	ng/L	1		EPA 537	8/11/17	8/13/17 16:27	BLM
Perfluorododecanoic acid (PFDoA)	ND	2.0	2	ng/L	1		EPA 537	8/11/17	8/13/17 16:27	BLM
Perfluorodecanoic acid (PFDA)	ND	2.0	2	ng/L	1		EPA 537	8/11/17	8/13/17 16:27	BLM
Perfluorobutanesulfonic acid (PFBS)	ND	2.0	2	ng/L	1		EPA 537	8/11/17	8/13/17 16:27	BLM
NEtFOSAA	ND	2,0		ng/L	1		EPA 537	8/11/17	8/13/17 16:27	BLM
NMeFOSAA	ND	2.0		ng/L	1		EPA 537	8/11/17	8/13/17 16:27	BLM
Surrogates		% Re	covery	Recovery Limit	8	Flag/Qual				
13C-PFHxA		85.9		70-130					8/13/17 16:27	
13C-PFDA		84.3		70-130					8/13/17 16:27	
d5-NEtFOSAA		81.7		70-130					8/13/17 16:27	



Project Location: 285 Lower Sandy Hill Rd., Westfi

Sample Description:

121

Work Order: 17H0194

8/13/17 16:39

Date Received: 8/3/2017

Field Sample #: Field Blank 08

Sampled: 8/3/2017 10:50

Sample ID: 17H0194-02

d5-NEtFOSAA

Sample Matrix: Drinking Water

			N	Aiscellaneous Org	anic Analys	es			;	
			MCL/SMC	L				Date	Date/Time	
Analyte	Results	RL	MA ORSO	G Units	Dilution	Flag/Qual	Method	Prepared	Analyzed	Analyst
Perfluoroundecanoic acid (PFUnA)	ND	2.0	2	ng/L	I		EPA 537	8/11/17	8/13/17 16:39	BLM
Perfluorotridecanoic acid (PFTrDA)	ND	2.0	2	ng/L	1		EPA 537	8/11/17	8/13/17 16:39	BLM
Perfluorotetradecanoic acid (PFTA)	ND	2.0	2	ng/L	1		EPA 537	8/11/17	8/13/17 16:39	BLM
Perfluorooctanoic acid (PFOA)	ND	2,0	2	ng/L	t		EPA 537	8/11/17	8/13/17 16:39	BLM
Perfluorooctanesulfonic acid (PFOS)	ND	2.0	2	ng/L	1		EPA 537	8/11/17	8/13/17 16:39	BLM
Perfluorononanoic acid (PFNA)	ND	2.0	2	ng/L	1		EPA 537	8/11/17	8/13/17 16:39	BLM
Perfluorohexanoic acid (PFHxA)	ND	2.0	2	ng/L	1		EPA 537	8/11/17	8/13/17 16:39	BLM
Perfluorohexanesulfonic acid (PFHxS)	ND	2.0	2	ng/L	1		EPA 537	8/11/17	8/13/17 16:39	BLM
Perfluoroheptanoic acid (PFHpA)	ND	2.0	2	ng/L	1		EPA 537	8/11/17	8/13/17 16:39	BLM
Perfluorododecanoic acid (PFDoA)	ND	2.0	2	ng/L	1		EPA 537	8/11/17	8/13/17 16:39	BLM
Perfluorodecanoic acid (PFDA)	ND	2.0	2	ng/L	1		EPA 537	8/11/17	8/13/17 16:39	BLM
Perfluorobutanesulfonic acid (PFBS)	ND	2.0	2	ng/L	1	=	EPA 537	8/11/17	8/13/17 16:39	BLM
NEtFOSAA	ND	2.0		ng/L	1		EPA 537	8/11/17	8/13/17 16:39	BLM
NMeFOSAA	ND	2.0		ng/L	1		EPA 537	8/11/17	8/13/17 16:39	BLM
Surrogates		% Red	covery	Recovery Limits		Flag/Qual				
13C-PFHxA		100		70-130				<del></del>	8/13/17 16:39	
13C-PFDA		109		70-130					8/13/17 16:39	

70-130



Project Location: 285 Lower Sandy Hill Rd., Westfi

Sample Description:

Work Order: 17H0194

Date Received: 8/3/2017
Field Sample #: 285 EFF-1

Sampled: 8/3/2017 11:00

Sample ID: 17H0194-03
Sample Matrix: Drinking Water

			ň	discellaneous Org	ganic Analys	es				
			MCL/SMC	CL				Date	Date/Time	
Analyte	Results	RL	MA ORSO	G Units	Dilution	Flag/Qual	Method	Prepared	Analyzed	Analyst
Perfluoroundecanoic acid (PFUnA)	ИD	2.0	2	ng/L	1		EPA 537	8/11/17	8/13/17 18:34	BLM
Perfluorotridecanoic acid (PFTrDA)	ND	2.0	2	ng/L	1		EPA 537	8/11/17	8/13/17 18:34	BLM
Perfluorotetradecanoic acid (PFTA)	ND	2.0	2	ng/L	1		EPA 537	8/11/17	8/13/17 18:34	BLM
Perfluorocctanoic acid (PFOA)	ND	2.0	2	ng/L	1		EPA 537	8/11/17	8/13/17 18:34	BLM
Perfluorooctanesulfonic acid (PFOS)	ND	2.0	2	ng/L	1	-	EPA 537	8/11/17	8/13/17 18:34	BLM
Perfluorononanoic acid (PFNA)	ND	2.0	2	ng/L	i		EPA 537	8/11/17	8/13/17 18:34	BLM
Perfluorohexanoic acid (PFHxA)	ND	2.0	2	ng/L	i		EPA 537	8/11/17	8/13/17 18:34	BLM
Perfluorohexanesulfonic acid (PFHxS)	ND	2.0	2	ng/L	1		EPA 537	8/11/17	8/13/17 18:34	BLM
Perfluoroheptanoic acid (PFHpA)	ND	2.0	2	ng/L	1		EPA 537	8/11/17	8/13/17 18:34	BLM
Perfluorododecanoic acid (PFDoA)	ND	2.0	2	ng/L	1		EPA 537	8/11/17	8/13/17 18:34	BLM
Perfluorodecanoic acid (PFDA)	ND	2.0	2	ng/L	1		EPA 537	8/11/17	8/13/17 18:34	BLM
Perfluorobutanesulfonic acid (PFBS)	ND	2.0	2	ng/L	1		EPA 537	8/11/17	8/13/17 18:34	BLM
NEtFOSAA	ND	2.0		ng/L	1		EPA 537	8/11/17	8/13/17 18:34	BLM
NMeFOSAA	ND	2.0		ng/L	i		EPA 537	8/11/17	8/13/17 18:34	BLM
Surrogates		% Re	covery	Recovery Limits	s	Flag/Qual				
I3C-PFHxA	•	81.9		70-130					8/13/17 18:34	
13C-PFDA		83.0		70-130					8/13/17 18:34	
d5-NEtFOSAA		99.8		70-130					8/13/17 18:34	



Project Location: 285 Lower Sandy Hill Rd., Westfi

Sample Description:

Work Order: 17H0194

Date Received: 8/3/2017

Field Sample #: 285 EFF-1

Sampled: 8/3/2017 11:00

Sample ID: 17H0194-03
Sample Matrix: Drinking Water

Metals	Analy	1444	(Total)	

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



Project Location: 285 Lower Sandy Hill Rd., Westfi

Sample Description:

Work Order: 17H0194

Date Received: 8/3/2017
Field Sample #: 285 Mid-1

Sampled: 8/3/2017 11:05

Sample ID: 17H0194-04

Sample Matrix: Drinking Water

			N	Iiscellaneous Or <sub>i</sub>	ganic Analys	es				
			MCL/SMC	L				Date	Date/Time	
Analyte	Results	RL	MA ORSO	Units	Dilution	Flag/Qual	Method	Prepared	Analyzed	Analyst
Perfluoroundecanoic acid (PFUnA)	ND	2.0	2	ng/L	į		EPA 537	8/11/17	8/13/17 19:25	BLM
Perfluorotridecanoic acid (PFTrDA)	ND	2.0	2	ng/L	1		EPA 537	8/11/17	8/13/17 19:25	BLM
Perfluorotetradecanoic acid (PFTA)	ND	2.0	2	ng/L	1		EPA 537	8/11/17	8/13/17 19:25	BLM
Perfluorooctanoic acid (PFOA)	ND	2,0	2	ng/L	1		EPA 537	8/11/17	8/13/17 19:25	BLM
Perfluorooctanesulfonic acid (PFOS)	ND	2.0	2	ng/L	1		EPA 537	8/11/17	8/13/17 19:25	BLM
Perfluorononanoic acid (PFNA)	ND	2.0	2	ng/L	1		EPA 537	8/11/17	8/13/17 19:25	BLM
Perfluorohexanoic acid (PFHxA)	ND	2.0	2	ng/L	1		EPA 537	8/11/17	8/13/17 19:25	BLM
Perfluorohexanesulfonic acid (PFHxS)	ND	2.0	. 2	ng/L	1		EPA 537	8/11/17	8/13/17 19:25	BLM
Perfluoroheptanoic acid (PFHpA)	ND	2.0	2	ng/L	1		EPA 537	8/11/17	8/13/17 19:25	BLM
Perfluorododecanoic acid (PFDoA)	ND	2.0	2	ng/L	1		EPA 537	8/11/17	8/13/17 19:25	BLM
Perfluorodecanoic acid (PFDA)	ND	2.0	2	ng/L	1		EPA 537	8/11/17	8/13/17 19:25	BLM
Perfluorobutanesulfonic acid (PFBS)	ND	2.0	2	ng/L	ı		EPA 537	8/11/17	8/13/17 19:25	BLM
NEIFOSAA	ND	2.0		ng/L	i		EPA 537	8/11/17	8/13/17 19:25	BLM
NMeFOSAA	ND	2.0		ng/L	1		EPA 537	8/11/17	8/13/17 19:25	BLM
Surrogates		% Re	covery	Recovery Limits	s	Flag/Qual				
13C-PFHxA		88.1		70-130					8/13/17 19:25	
13C-PFDA		86.6		70-130					8/13/17 19:25	
d5-NEtFOSAA		103		70-130					8/13/17 19:25	



Project Location: 285 Lower Sandy Hill Rd., Westfi

Sample Description:

Work Order: 17H0194

Date Received: 8/3/2017

Field Sample #: 285 Mid-1

Sampled: 8/3/2017 11:05

Sample ID: 17H0194-04
Sample Matrix: Drinking Water

Metals	Ana	wese	(Tatal)

			MCL/SMCL					Date	Date/Fime	
Analyte	Results	RL	MA ORSG	Units	Dilution	Flag/Qual	Method	Prepared	Analyzed	Analyst
Arsenic	1.5	1,0	10	μg/L	i		EPA 200.8	8/16/17	8/18/17 12:55	WSD



Project Location: 285 Lower Sandy Hill Rd., Westfi

Sample Description:

Work Order: 17H0194

Date Received: 8/3/2017 Field Sample #: 285 Inf-1 Sample ID: 17H0194-05

Sampled: 8/3/2017 11:10

Sample Matrix: Drinking Water

•			N	Iiscellaneous Or	ganic Analys	es		·		
			MCL/SMC	L				Date	Date/Time	
Analyte	Results	RL	MA ORSO	Units	Dilution	Flag/Qual	Method	Prepared	Analyzed	Analyst
Perfluoroundecanoic acid (PFUnA)	ИD	2.0	2	ng/L	1		EPA 537	8/11/17	8/13/17 19:38	BLM
Perfluorotridecanoic acid (PFTrDA)	ND	2.0	2	ng/L	1		EPA 537	8/11/17	8/13/17 19:38	BLM
Perfluorotetradecanoic acid (PFTA)	ND	2.0	2	ng/L	1		EPA 537	8/11/17	8/13/17 19:38	BLM
# Perfluorooctanoic acid (PFOA)	130	2.0	2	ng/L	1		EPA 537	8/11/17	8/13/17 19:38	BLM
# Perfluorooctanesulfonic acid (PFOS)	510	10	2	ng/L	5		EPA 537	8/11/17	8/15/17 13:28	BLM
Perfluorononanoic acid (PFNA)	ND	2.0	2	ng/L	I		EPA 537	8/11/17	8/13/17 19:38	BLM
# Perfluorohexanoic acid (PFHxA)	75	2.0	2	ng/L	1		EPA 537	8/11/17	8/13/17 19:38	BLM
# Perfluorohexanesulfonic acid (PFHxS)	240	10	2	ng/L	5		EPA 537	8/11/17	8/15/17 13:28	BLM
# Perfluoroheptanoic acid (PFHpA)	21	2.0	2	ng/L	1		EPA 537	8/11/17	8/13/17 19:38	BLM
Perfluorododecanoic acid (PFDoA)	ND	2.0	2	ng/L	I		EPA 537	8/11/17	8/13/17 19:38	BLM
Perfluorodecanoic acid (PFDA)	ND	2.0	2	ng/L	1		EPA 537	8/11/17	8/13/17 19:38	BLM
# Perfluorobutanesulfonic acid (PFBS)	20	2.0	2	ng/L	1		EPA 537	8/11/17	8/13/17 19:38	BLM
NEtFOSAA	ND	2.0		ng/L	i		EPA 537	8/11/17	8/13/17 19:38	BLM
NMeFOSAA	ND	2.0		ng/L	1		EPA 537	8/11/17	8/13/17 19;38	BLM
Surrogates		% Rec	overy	Recovery Limit	s	Flag/Qual				
13C-PFHxA		84.4		70-130					8/13/17 19:38	
13C-PFHxA		74.6		70-130					8/15/17 13:28	
13C-PFDA		81.1		70-130					8/13/17 19:38	
13C-PFDA		70.6		70-130					8/15/17 13:28	
d5-NEtFOSAA		83.9		70-130					8/13/17 19:38	
d5-NEtFOSAA		73.9		70-130					8/15/17 13:28	



Project Location: 285 Lower Sandy Hill Rd., Westfi

Sample Description:

Work Order: 17H0194

Date Received: 8/3/2017

Field Sample #: 285 Inf-1

Sampled: 8/3/2017 11:10

Sample ID: 17H0194-05
Sample Matrix: Drinking Water

Binto	.1. 4	almana	(Tatal)

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



### Sample Extraction Data

Prep Method: EPA 200.8-EPA 200.8

Batch	Initial [mL]	Final [mL]	Date	
B184268	10.0	10.0	08/16/17	
B184268	10.0	10.0	08/16/17	
B184268	10.0	10,0	08/16/17	
	B184268 B184268	B184268 10.0 B184268 10.0	B184268 10.0 10.0 B184268 10.0 10.0	B184268 10.0 10.0 08/16/17 B184268 10.0 10.0 08/16/17

Prep Method: EPA 537-EPA 537

Lab Number [Field ID]	Batch	Initial [mŁ]	Final [mL]	Date	
17H0194-01 [Trip Blank]	B183913	250	1.00	08/11/17	•
17H0194-02 [Field Blank 08]	B183913	250	1.00	08/11/17	
17H0194-03 [285 EFF-1]	B183913	250	1.00	08/11/17	
17H0194-04 [285 Mid-1]	B183913	250	1.00	08/11/17	
17H0194-05 [285 Inf-1]	B183913	250	1.00	08/11/17	
17H0194-05RE1 [285 Inf-1]	B183913	250	00.1	08/11/17	



#### QUALITY CONTROL

#### Miscellaneous Organic Analyses - Quality Control

Analyte	Result	R <del>e</del> porting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B183913 - EPA 537										
Blank (B183913-BLK1)				Prepared: 08	8/11/17 Anal	yzed: 08/13/	17			
Perfluoroundecanoic acid (PFUnA)	ND	2.0	ng/L							
Perfluorotridecanoic acid (PFTrDA)	ND	2.0	ng/L							
Perfluorotetradecanoic acid (PFTA)	ND	2.0	ng/L							
Perfluorooctanoic acid (PFOA)	ND	2.0	ng/L							
Perfluorooctanesulfonic acid (PFOS)	ND	2.0	ng/L							
Perfluorononanoic acid (PFNA)	, ND	2.0	ng/L							
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							
VEtFOSAA	ND	2.0	ng/L							
NMeFOSAA	ND	2.0	ng/L							
Surrogate: 13C-PFHxA	39.5		ng/L	40.0		98.7	70-130			
Surrogate: 13C-PFDA	44.3		ng/L	40.0		111	70-130			
urrogate: d5-NEtFOSAA	188		ng/L	160		118	70-130			
.CS (B183913-BS1)				Prepared: 08	3/11/17 Anal	yzed: 08/13/	17			
Perfluoroundecanoic acid (PFUnA)	2,18	2.0	ng/L	2.00		109	50-150			
Perfluorotridecanoic acid (PFTrDA)	2.01	2.0	ng/L	2.00		100	50-150			
Perfluorotetradecanoic acid (PFTA)	2.01	2.0	ng/L	2,00		101	50-150			
Perfluorooctanoic acid (PFOA)	2,20	2.0	ng/L	2.00		110	50-150			
Perfluorooctanesulfonic acid (PFOS)	2.30	2.0	ng/L	1.85		125	50-150			
Perfluorononanoic acid (PFNA)	1.58	2.0	ng/L	2.00		79.2	50-150			
Perfluorohexanoic acid (PFHxA)	1.95	2.0	ng/L	2.00		97.4	50-150			
Perfluorohexanesulfonic acid (PFHxS)	1.74	2.0	ng/L	1.82		95.8	50-150			
Perfluoroheptanoic acid (PFHpA)	1.75	2.0	ng/L	2.00		87.6	50-150			
Perfluorododecanoic acid (PFDoA)	1.80	2.0	ng/L	2.00		89.8	50-150			
Perfluorodecanoic acid (PFDA)	2,13	2.0	ng/L	2.00		106	50-150			
Perfluorobutanesulfonic acid (PFBS)	1.65	2.0	ng/L	1.77		93,3	50-150			
VEtFOSAA	1.59	2.0	ng/L	2.00		79.4	50-150			
NMeFOSAA	1.92	2.0	ng/L	2.00		95.9	50-150			
Surrogate: 13C-PFHxA	34.0		ng/L	40.0		85.1	70-130			
Surrogate: 13C-PFDA	37.3		ng/L	40.0		93.3	70-130			
Surrogate: d5-NEtFOSAA	169		ng/L	160		105	70-130			



#### QUALITY CONTROL

#### Metals Analyses (Total) - Quality Control

		Reporting		Spike	Source		%REC		RPD	
Analyte	Result	Limit	Units	Level	Result	%REC	Limits	RPD	Limit	Notes
Batch B184268 - EPA 200.8						÷				
Blank (B184268-BLK1)				Prepared: 08	8/16/17 Anal	yzed: 08/18	/17			
Arsenic	ND	1.0	μg/L							
LCS (B184268-BS1)				Prepared: 08	8/16/17 Anal	yzed: 08/18.	/17			
Arsenic	40.4	1.0	μg/L	40.0		101	85-115			
Duplicate (B184268-DUP1)	Sou	rce: 17H0194-	-03	Prepared; 08	3/16/17 Anal	yzed: 08/18	/17			
Arsenic	1.69	1.0	μg/L		1.60	)		5.74	20	
Duplicate (B184268-DUP2)	Sou	rce: 17H0194-	-04	Prepared: 08	3/16/17 Anal	yzed: 08/18	/17			
Arsenic	1.41	1.0	μg/L		1.48	}		4.93	20	
Matrix Spike (B184268-MS1)	Sou	ree: 17H0194-	-03	Prepared: 08	3/16/17 Anal	yzed: 08/18	/17			
Arsenic	27.8	1.2	μg/L	25.0	1.60	105	70-130			
Matrix Spike (B184268-MS2)	Sou	rce: 17H0194	-04	Prepared: 08	8/16/17 Anal	yzed: 08/18	/17			
Arsenic	27.2	1.2	µg/L	25.0	1.48	103	70-130			



#### FLAG/QUALIFIER SUMMARY

ts.
t

† Wide recovery limits established for difficult compound.

Wide RPD limits established for difficult compound.

# Data exceeded client recommended or regulatory level

ND Not Detected

RL Reporting Limit

DL Method Detection Limit

MCL Maximum Contaminant Level

Percent recoveries and relative percent differences (RPDs) are determined by the software using values in the

calculation which have not been rounded.

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



#### CERTIFICATIONS

#### Certified Analyses included in this Report

Analyte

Certifications

EPA 200.8 in Drinking Water

Arsenic

CT,MA,NH,NY,RI,NC,ME,VA

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:

ode	Description	Number	Expires
IHA	AIHA-LAP, LLC - ISO17025:2005	100033	02/1/2018
ſΑ	Massachusetts DEP	M-MA100	06/30/2018
T	Connecticut Department of Public Health	PH-0567	09/30/2017
Υ .	New York State Department of Health	10899 NELAP	04/1/2018
H-S	New Hampshire Environmental Lab	2516 NELAP	02/5/2018
I	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	Florida Department of Health	E871027 NELAP	06/30/2018
Т	Vermont Department of Health Lead Laboratory	LL015036	07/30/2018
Œ	State of Maine	2011028	06/9/2019
Ά	Commonwealth of Virginia	460217	12/14/2017
Н-Р	New Hampshire Environmental Lab	2557 NELAP	09/6/2017
T-DW	Vermont Department of Health Drinking Water	VT-255716	06/12/2018
C-DW	North Carolina Department of Health	25703	07/31/2018

Dissolved Metals Samples 1 Matrix Codes:
GW = Ground Water
WW = Waste Wafer
DW = Drinking Water <sup>2</sup> Preservation Codes: Sodium Bisulfate (= Sodium Hydroxide 5 = Summa Canister 3 Container Codes: Page\_\_1\_\_\_ of \_\_\_1\_\_ O = Other (please O = Other (please 0 = Other (please A = Amber Glass Non Soxfilet PCB ONLY -Suffuric Acid Orthophosphate H = HCL M = Methanol N = Nitric Acid Soxhlet <sup>2</sup> Preservation Code = Tedlar Bag O Field Filtered O Field Filtered O Lab to Filter O Lab to Filter Container Code SL = Studge SOL = Solid ST = Sterile P = Plastic hiosulfate = Sodium TRIZMA # of Containers G = Glass V = Vial define) define) A = AII define) S = Soil = Iced Please use the following codes to indicate possible sample concentration Chromatogram www.contratiabs.com 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 MA MCP Required MCP Certification Form Required CT RCP Required RCP Certification Form Required z ۵. ¿A JATOT × × School MA State DW Required Special Requirements O Δ × × EPA METHOD 537 ပ် မှ ဗို ဗို ⇒ ⇒ ⊃ = Email To:rob.smith@atcassociates.com http://www.contestlabs.com Requested Tumaround Time YERY CHAIN OF CUSTODY RECORD > Ѯ ⋛ Ѯ ⋛ Ѯ Municipality Brownfield PWSID # 3-Day EXCEL 4-Day Grab. CLP Like Data Pkg Required; × × × × × Composite Due Date: 5-day TAT ን  $\sqcup \sqcup \sqcup$ POF Government Ending Date/Time Format: Fax To # 1100 1105 1110 Federal 1050 Other: 8 7-Day 1-Day 2-Day City Project Entity Beginning Date/Trne 8/3/2017 8/3/2017 8/3/2017 8/3/2017 8/5/2017 other: D 73 William Franks Drive, West Springfield, MA Phone: 413-525-2332 Email: info@contestlabs.com 35 285 Lower Sandy Hill Rd, Westfield 285 Lower Sandy Hill Rd, Westfield Clent/Sample/ID// Description Fax: 413-525-6405 8-3-17 83.17 Date/Time: Date/Time: Date/Time: Date/Time: Date/Time; Date/Time: ATC Group Services (413) 781-0070 Joseph Bolduc field blank 08 183EM00170 rip blank Rob Smith 285 EFF-1 285 Mid-1 285 Inf-1 RUN EPA Method 527: Inp Blank & XX.1 EXTENDED THE HOLD THE HEAR OF \$171. XX Con-Test Quote Name/Number: CON-LEST HOLD AS, Fey Maydness, TOG Relinguished by: (signature) nquished by: (signature) nquished by: (signature) gnature) ived by: (signature) eived by: (signature) Work Order# Con-Test (D) nvoice Recipient: roject Location: Project Number: Project Manager roject Name: Sampled By: Address: Phone: Page 18 of 19

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 attention of the Client - State True or False

Client A	TC						
Received By	PLF		Date	8 3 17	Time	<u> 1790</u>	<u>)                                    </u>
How were the samples	In Cooler		No Cooler	On Ice		No Ice	
received?	Direct from Sam	oling	T	Ambient		Melted Ice	
Were samples within		By Gun#	1	Actual Tem	p- 7.60°		
Temperature? 2-6°C	F	By Blank #		Actual Tem	p -		
Was Custody S	eal Intact?	M		Samples Tampered	with?	F	
Was COC Relin	nquished?	T	Does Ch	nain Agree With Sai	mples?		
Are there broken/	leaking/loose caps	on any sam	ples?	~		•	
Is COC in ink/ Legible?	*****		Were sample	es received within h		<u></u>	
Did COC include all	Client	<u>T</u>	Analysis		er Name		
pertinent Information?	Project	T	ID's	Collection	Dates/Times		
Are Sample labels fille	d out and legible?		_				
Are there Lab to Filters	?	F	v	Vho was notified?			
Are there Rushes?		7-	٧	Vho was notified?			
Are there Short Holds?		F	_ v	Vho was notified?			,
is there enough Volume	e?	T	_				
Is there Headspace wh	ere applicable?	LA		/MSD? <u>\</u>	-		
Proper Media/Containe	rs Used?			plitting samples rec	juired?	<u> </u>	
Were trip blanks receiv	ed?		On	COC? T	•		
Do all samples have th	e proper pH?		Acid	<u> </u>	Base	<u> </u>	
Viais #	Containers	#		#	40	• •	#
Unp-	1 Liter Amb.		1 Liter Pla		<u> </u>	z Amb.	
HCL-	500 mL Amb.	ļ	500 mL Pla		<u> </u>	nb/Clear	
Meoh-	250 mL Amb.	ļ <u></u>	250 mL Pla		40Z AT	nb/Clear	
Bisulfate-	Col./Bacteria				Ο Δ	ab/Class	
			Flashpoi			nb/Clear	
	Other Plastic		Other Gla	iss	En	nb/Clear core	
DI- Thiosulfate-	Other Plastic SOC Kit		Other Gla Plastic Ba	ag			
Thiosulfate-	Other Plastic		Other Gla Plastic Ba Ziplock	iss ag	En		
Thiosulfate- Sulfuric-	Other Plastic SOC Kit Perchlorate		Other Gla Plastic Ba	iss ag Jia	En		#
Thiosulfate- Sulfuric- Vials #	Other Plastic SOC Kit Perchlorate  Containers:	#	Other Gla Plastic Ba Ziplock Unused Med	iss ag Ilia	En Frozen:	core	#
Thiosulfate- Sulfuric- Vials #	Other Plastic SOC Kit Perchlorate  Containers: 1 Liter Amb.	*	Other Gla Plastic B: Ziplock Unused Med 1 Liter Pla	ss ag lia #	En Frozen: 16 o:	core z Amb.	#
Thiosulfate- Sulfuric- Vials # Unp- HCL-	Other Plastic SOC Kit Perchlorate  Containers: 1 Liter Amb. 500 mL Amb.	#	Other Gla Plastic B: Ziplock Unused Med 1 Liter Pla 500 mL Pla	ss ag lia stic astic	En Frozen: 16 o. 8oz Ar	core z Amb. nb/Clear	#
Thiosulfate- Sulfuric- Vials # Unp- HCL- Meoh-	Other Plastic SOC Kit Perchlorate  Containers: 1 Liter Amb. 500 mL Amb. 250 mL Amb.	#	Other Gla Plastic Ba Ziplock Unused Med 1 Liter Pla 500 mL Pla 250 mL Pla	lia # stic astic astic	En Frozen: 16 o: 8oz Ar 4oz Ar	z Amb. mb/Clear	#
Thiosulfate- Sulfuric- Vials # Unp- HCL- Meoh- Bisulfate-	Other Plastic SOC Kit Perchlorate  Containers: 1 Liter Amb. 500 mL Amb. 250 mL Amb. Col./Bacteria	**	Other Gla Plastic Ba Ziplock Unused Med  1 Liter Pla 500 mL Pla 250 mL Pla Flashpoi	ss ag  lia  stic astic astic nt	En Frozen: 16 o: 8oz Ar 4oz Ar 2oz Ar	z Amb. mb/Clear mb/Clear mb/Clear	<b>#</b>
Thiosulfate- Sulfuric- Vials # Unp- HCL- Meoh- Bisulfate- DI-	Other Plastic SOC Kit Perchlorate  Containers: 1 Liter Amb. 500 mL Amb. 250 mL Amb. Col./Bacteria Other Plastic	***	Other Gla Plastic Ba Ziplock Unused Med  1 Liter Pla 500 mL Pla 250 mL Pla Flashpoi Other Gla	ss ag  lia  stic astic astic nt ass	En Frozen: 16 o: 8oz Ar 4oz Ar 2oz Ar	z Amb. mb/Clear	#
Thiosulfate- Sulfuric- Vials # Unp- HCL- Meoh- Bisulfate- DI- Thiosulfate-	Other Plastic SOC Kit Perchlorate  Containers: 1 Liter Amb. 500 mL Amb. 250 mL Amb. Col./Bacteria Other Plastic SOC Kit	#	Other Gla Plastic B: Ziplock Unused Med  1 Liter Pla 500 mL Pla 250 mL Pla Flashpoi Other Gla Plastic B:	ss ag  lia  stic astic astic astic astic astic astic astic astic ast ag	En Frozen: 16 o: 8oz Ar 4oz Ar 2oz Ar	z Amb. mb/Clear mb/Clear mb/Clear	#
Thiosulfate- Sulfuric- Vials # Unp- HCL- Meoh- Bisulfate- DI-	Other Plastic SOC Kit Perchlorate  Containers: 1 Liter Amb. 500 mL Amb. 250 mL Amb. Col./Bacteria Other Plastic	# 2	Other Gla Plastic Ba Ziplock Unused Med  1 Liter Pla 500 mL Pla 250 mL Pla Flashpoi Other Gla	ss ag  lia  stic astic astic astic astic astic astic astic astic ast ag	En Frozen: 16 o: 8oz Ar 4oz Ar 2oz Ar	z Amb. mb/Clear mb/Clear mb/Clear	# 3

samples were alrect from sampling, chient is aware.



# Commonwealth of Massachusetts Executive Office of Energy & Environmental Affairs

# Department of Environmental Protection

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

Charles D. Baker Governor

Karyn E. Polito Lieutenant Governor Matthew A. Beaton Secretary

> Martin Suuberg Commissioner

September 13, 2017

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

Re:

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

Dear Mr. Lopez & Ms. Mojica:

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

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

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

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

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

Sincerely,

Eva Tor

Deputy Regional Director Bureau of Waste Site Cleanup

Attachments: Notice of Environmental Sampling (BWSC-123)

Laboratory Report

Ecc: Mayor, City of Westfield

Barnes ANG-John Richardson

Barnes Aquifer Protection Committee

Westfield DPW – David Billips Westfield Health Department

Dr. Marc A. Nascarella, Ph.D/DPH

cc:

Denise Andler, DEP WERO Data Entry: FOLOFF, FOLFLD

# Massachusetts Department of Environmental Protection Bureau of Waste Site Cleanup

**BWSC123** 

This Notice is Related to: Release Tracking Number

# 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 follow	ing 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 red	cipient (the <sub>l</sub>	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	d at property owned by the recipient of this notice.
		_	hed. (If item 2. above is checked, the analytical results from
	the environmental sampling must be atta	ached to this	notice.)
D.	Location of the property where the environ	nmental san	npling 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 samplin	g will be/has	been conducted:
	Immediate Response Action		e III Feasibility Evaluation
	Release Abatement Measure Utility-related Abatement Measure		e IV Remedy Implementation Plan e V/Remedy Operation Status
	Phase I Initial Site Investigation	Post-	Temporary Solution Operation, Maintenance and Monitoring
	Phase II Comprehensive Site Assessment	: Dother	(specify)
3.	Description of property where sampling will be	e/has been c	
	☑ residential ☐ commercial ☐	industrial	school/playground Other (specify)
		es (e.g., soil,	groundwater, indoor air, soil gas) to the extent known at the
	ie of this notice. Tuent_mid-fluent_and effluent water sa	amnles wei	re collected from the the point of entry drinking
			rence residence to confirm the system is
rei	moving PFAS from the well water.		·
E. (	Contact information related to the party pro	viding this	notice:
Со	ntact Name: David Bachand		
Str	eet Address: 436 Dwight Street		
	y/Town: Springfield	Zip Code:	01103
Te	lephone: (413) 755-2221	Email: da	vid.bachand.jr@state.ma.us



# Massachusetts Department of Environmental Protection Bureau of Waste Site Cleanup

### **BWSC123**

This Notice is Related to: Release Tracking Number

20093

1 2		
11		1
11		7

#### 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 <a href="http://www.mass.gov/eea/agencies/massdep/cleanup">http://www.mass.gov/eea/agencies/massdep/cleanup</a>. 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 <a href="http://public.dep.state.ma.us/SearchableSites2/Search.aspx">http://public.dep.state.ma.us/SearchableSites2/Search.aspx</a> to view site-specific files on-line or <a href="http://mass.gov/eea/agencies/massdep/about/contacts/conduct-a-file-review.html">http://mass.gov/eea/agencies/massdep/about/contacts/conduct-a-file-review.html</a> 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



August 15, 2017

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

Project Location: 281 Lower Sandy Hill Rd, Westfield

Client Job Number:

Project Number: 183EM00170

Laboratory Work Order Number: 17H0056

Keny K. Mille.

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

Sincerely,

Kerry K. McGee Project Manager

# **Table of Contents**

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ATC Group Services LLC - West Springfield

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

PURCHASE ORDER NUMBER:

REPORT DATE: 8/15/2017

PROJECT NUMBER:

183EM00170

#### ANALYTICAL SUMMARY

WORK ORDER NUMBER:

17H0056

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

PROJECT LOCATION:

281 Lower Sandy Hill Rd, Westfield

FIELD SAMPLE #	LAB ID:	MATRIX	SAMPLE DESCRIPTION	TEST	SUB LAB
Trip Blank	17H0056-01	Trip Blank Water		EPA 537	
Field Blank 09	17H0056-02	Field Blank		EPA 537	
281 EFF-1	17H0056-03	Drinking Water		EPA 200.8	
				EPA 537	· ·
281 Mid-1	17H0056-04	Drinking Water		EPA 200,8	
		-		EPA 537	
281 Inf-1	17H0056-05	Drinking Water		EPA 200.8	
		-		EPA 537	•



#### CASE NARRATIVE SUMMARY

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

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

na Watthenster

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: 281 Lower Sandy Hill Rd, Westfie

Sample Description:

Work Order: 17H0056

Date Received: 8/1/2017 Field Sample #: Trip Blank

Sampled: 8/1/2017 08:00

Sample ID: 17H0056-01

Sample Matrix: Trip Blank Water			Miscellaneous 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	8/11/17	8/13/17 15:48	BLM
Perfluorotridecanoic acid (PFTrDA)	ND	2,0	ng/L	1		EPA 537	8/11/17	8/13/17 15:48	BLM
Perfluorotetradecanoic acid (PFTA)	ND	2.0	ng/L	I		EPA 537	8/11/17	8/13/17 15:48	BLM
Perfluorooctanoic acid (PFOA)	ND	2.0	ng/L	i		EPA 537	8/11/17	8/13/17 15:48	BLM
Perfluorooctanesulfonic acid (PFOS)	ND	2.0	ng/L	i		EPA 537	8/11/17	8/13/17 15:48	BLM
Perfluorononanoic acid (PFNA)	ND	2.0	ng/L	1		EPA 537	8/11/17	8/13/17 15:48	BLM
Perfluorohexanoic acid (PFHxA)	ND	2.0	ng/L	1		EPA 537	8/11/17	8/13/17 15:48	BLM
Perfluorohexanesulfonic acid (PFHxS)	ND	2.0	ng/L	ı		EPA 537	8/11/17	8/13/17 15:48	BLM
Perfluoroheptanoic acid (PFHpA)	ND	2.0	ng/L	I		EPA 537	8/11/17	8/13/17 15:48	BLM
Perfluorododecanoic acid (PFDoA)	ND	2.0	ng/L	1		EPA 537	8/11/17	8/13/17 15:48	BLM
Perfluorodecanoic acid (PFDA)	ND	2.0	ng/L	1		EPA 537	8/11/17	8/13/17 15:48	BLM
Perfluorobutanesulfonic acid (PFBS)	ND	2.0	ng/L	1		EPA 537	8/11/17	8/13/17 15:48	BLM
NEIFOSAA	ND	2.0	ng/L	1		EPA 537	8/11/17	8/13/17 15:48	BLM
NMeFOSAA	ND	2.0	ng/L	1:		EPA 537	8/11/17	8/13/17 15:48	BLM
Surrogates		% Recovery	Recovery Limits	5	Flag/Qual				
13C-PFHxA		97.8	70-130					8/13/17 15:48	
13C-PFDA		112	70-130					8/13/17 15:48	
d5-NEtFOSAA		120	70-130					8/13/17 15:48	



Project Location: 281 Lower Sandy Hill Rd, Westfie

Sample Description:

Work Order: 17H0056

Date Received: 8/1/2017

Field Sample #: Field Blank 09

Sampled: 8/1/2017 09:20

Sample ID: 17H0056-02

Sample Matrix: Field Blank

			N	fiscellaneous Or	ganic Analys	es				
Analyte	Results	RL	MCL/SMC		Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Perfluoroundecanoic acid (PFUnA)	ND	2.0	2	ng/L	1		EPA 537	8/11/17	8/13/17 16:01	BLM
Perfluorotridecanoic acid (PFTrDA)	ND	2.0	2	ng/L	1		EPA 537	8/11/17	8/13/17 16:01	BLM
Perfluorotetradecanoic acid (PFTA)	ND	2.0	2	ng/L	1		EPA 537	8/11/17	8/13/17 16:01	BLM
Perfluorooctanoic acid (PFOA)	ND	2.0	2	ng/L	1		EPA 537	8/11/17	8/13/17 16:01	BLM
Perfluorooctanesulfonic acid (PFOS)	ND	2.0	2	ng/L	1		EPA 537	8/11/17	8/13/17 16:01	BLM
Perfluoronomanoic acid (PFNA)	ND	2.0	2	ng/L	1		EPA 537	8/11/17	8/13/17 16:01	BLM
Perfluorohexanoic acid (PFHxA)	' ND	2.0	2	ng/L	1		EPA 537	8/11/17	8/13/17 16;01	BLM
Perfluorohexanesulfonic acid (PFHxS)	ND	2.0	2	ng/L	1		EPA 537	8/11/17	8/13/17 16:01	BLM
Perfluoroheptanoic acid (PFHpA)	ND	2.0	2	ng/L	1		EPA 537	8/11/17	8/13/17 16:01	BLM
Perfluorododecanoic acid (PFDoA)	ND	2,0	2	ng/L	1		EPA 537	8/11/17	8/13/17 16:01	BLM
Perfluorodecanoic acid (PFDA)	ND	2.0	2	ng/L	I		EPA 537	8/11/17	8/13/17 16:01	BLM
Perfluorobutanesulfonic acid (PFBS)	ND	2.0	2	ng/L	1		EPA 537	8/11/17	8/13/17 16:01	BLM
NEtFOSAA	ND	2.0		ng/L	I.		EPA 537	8/11/17	8/13/17 16:01	BLM
NMeFOSAA	ND	2.0		ng/L	1		EPA 537	8/11/17	8/13/17 16:01	BLM
Surrogates		% Re	covery	Recovery Limits	3	Flag/Qual				
13C-PFHxA		98.1		70-130					8/13/17 16:01	
13C-PFDA		110		70-130					8/13/17 16:01	
d5-NEtFOSAA		120		70-130			•		8/13/17 16:01	



Project Location: 281 Lower Sandy Hill Rd, Westfie

Sample Description:

Work Order: 17H0056

Date Received: 8/1/2017
Field Sample #: 281 EFF-1

Sampled: 8/1/2017 09:40

Sample ID: 17H0056-03

Sample Matrix: Drinking Water

			M	iscellaneous Org	ganic Analys	es				
			MCL/SMCI					Date	Date/Time	
Analyte	Results	RL	MA ORSG	Units	Dilution	Flag/Qual	Method	Prepared	Analyzed	Analyst
Perfluoroundecanoic acid (PFUnA)	ND	2.0	2	ng/L	ı		EPA 537	8/11/17	8/13/17 17:05	BLM
Perfluorotridecanoic acid (PFTrDA)	ND	2.0	2	ng/L	1		EPA 537	8/11/17	8/13/17 17:05	BLM
Perfluorotetradecanoic acid (PFTA)	ND	2.0	2	ng/L	1		EPA 537	8/11/17	8/13/17 17:05	BLM
# Perfluorooctanoic acid (PFOA)	4.3	2.0	2	ng/L	1		EPA 537	8/11/17	8/13/17 17:05	BLM
Perfluorooctanesulfonic acid (PFOS)	ND	2.0	2	ng/L	I .		EPA 537	8/11/17	8/13/17 17:05	BLM
Perfluorononanoic acid (PFNA)	ND	2.0	2	ng/L	1		EPA 537	8/11/17	8/13/17 17:05	BLM
Perfluorohexanoic acid (PFHxA)	, ND	2.0	2	ng/L	1		EPA 537	8/11/17	8/13/17 17:05	BLM
Perfluorohexanesulfonic acid (PFHxS)	ND	2.0	2	ng/L	1		EPA 537	8/11/17	8/13/17 17:05	BLM
Perfluoroheptanoic acid (PFHpA)	ND	2.0	2	ng/L	į.		EPA 537	8/11/17	8/13/17 17:05	BLM
Perfluorododecanoic acid (PFDoA)	ND	2.0	2	ng/L	i		EPA 537	8/11/17	8/13/17 17:05	BLM
Perfluorodecanoic acid (PFDA)	ND	2,0	2	ng/L	1		EPA 537	8/11/17	8/13/17 17:05	BLM
Perfluorobutanesulfonic acid (PFBS)	ND	2.0	. 2	ng/L	1		EPA 537	8/11/17	8/13/17 17:05	BLM
NEtFOSAA	ND	2.0		ng/L	ŧ		EPA 537	8/11/17	8/13/17 17:05	BLM
NMeFOSAA	ND	2.0		ng/L	i		EPA 537	8/11/17	8/13/17 17:05	BLM
Surrogates		% Re	covery	Recovery Limits	s	Flag/Qual				
13C-PFHxA		80.9		70-130					8/13/17 17:05	
I3C-PFDA		84.7		70-130				<b>V</b>	8/13/17 17:05	
d5-NEtFOSAA		93.7		70-130					8/13/17 17:05	



Project Location: 281 Lower Sandy Hill Rd, Westfie

Sample Description:

Work Order: 17H0056

Date Received: 8/1/2017

Field Sample #: 281 EFF-1

Sampled: 8/1/2017 09:40

Sample ID: 17H0056-03

Sample Matrix: Drinking Water

Metals	Ana	lyses	(Total)
--------	-----	-------	---------

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



Project Location: 281 Lower Sandy Hill Rd, Westfie

Sample Description:

89.1

Work Order: 17H0056

8/13/17 17:43

Date Received: 8/1/2017 Field Sample #: 281 Mid-1

Sampled: 8/1/2017 09:45

Sample ID: 17H0056-04 Sample Matrix: Drinking Water

13C-PFDA

d5-NEtFOSAA

Date of the control o			N	Miscellaneous Org	anic Analys	es				
			MCL/SMC	CL				Date	Date/Time	
Analyte	Results	RL	MA ORSO	G Units	Dilution	Flag/Qual	Method	Prepared	Analyzed	Analyst
Perfluoroundecanoic acid (PFUnA)	ND	2.0	2	ng/L	1		EPA 537	8/11/17	8/13/17 17:43	BLM
Perfluorotridecanoic acid (PFTrDA)	ND	2.0	2	ng/L	1		EPA 537	8/11/17	8/13/17 17:43	BLM
Perfluorotetradecanoic acid (PFTA)	ND	2.0	2	ng/L	1		EPA 537	8/11/17	8/13/17 17:43	BLM
Perfluorooctanoie acid (PFOA)	ND	2.0	2	ng/L	1		EPA 537	8/11/17	8/13/17 17:43	BLM
Perfluorooctanesulfonic acid (PFOS)	ND	2.0	2	ng/L	1		EPA 537	8/11/17	8/13/17 17:43	BLM
Perfluorononanoic acid (PFNA)	ND	2.0	2	ng/L	1		EPA 537	8/11/17	8/13/17 17:43	BLM
Perfluorohexanoic acid (PFHxA)	ND	2.0	2	ng/L	1		EPA 537	8/11/17	8/13/17 17:43	BLM
Perfluorohexanesulfonic acid (PFHxS)	ND	2.0	2	ng/L	1		EPA 537	8/11/17	8/13/17 17:43	BLM
Perfluoroheptanoic acid (PFHpA)	ND	2.0	2	ng/L	1		EPA 537	8/11/17	8/13/17 17:43	BLM
Perfluorododecanoic acid (PFDoA)	ND	2.0	2.	ng/L	1		EPA 537	8/11/17	8/13/17 17:43	BLM
Perfluorodecanoic acid (PFDA)	ND	2.0	2	ng/L	1		EPA 537	8/11/17	8/13/17 17:43	BLM
Perfluorobutanesulfonic acid (PFBS)	ND	2.0	2	ng/L	I		EPA 537	8/11/17	8/13/17 17:43	BLM
NEtFOSAA	ND	2.0		ng/L	i		EPA 537	8/11/17	8/13/17 17:43	BLM
NMeFOSAA	ND	2.0		ng/L	1		EPA 537	8/11/17	8/13/17 17:43	BLM
Surrogates		% Re	covery	Recovery Limits	3	Flag/Qual				
13C-PFHxA		80.9		70-130	•				8/13/17 17:43	
13C-PFDA		80.8		70-130			ŧ		8/13/17 17:43	

70-130



Project Location: 281 Lower Sandy Hill Rd, Westfie

Sample Description:

Work Order: 17H0056

Date Received: 8/1/2017

Field Sample #: 281 Mid-1

Sampled: 8/1/2017 09:45

Sample ID: 17H0056-04
Sample Matrix: Drinking Water

Metals Analyses (Total)

			MCL/SMCL					Date	Date/Time	
Analyte	Results	RL	MA ORSG	Units	Dilution	Flag/Qual	Method	Prepared	Analyzed	Analyst
Arsenic	5.8	1,0	10	μg/L	1		EPA 200.8	8/14/17	8/15/17 11:07	WSD



Project Location: 281 Lower Sandy Hill Rd, Westfie

Sample Description:

Work Order: 17H0056

Date Received: 8/1/2017 Field Sample #: 281 Inf-1

Sampled: 8/1/2017 09:50

Sample ID: 17H0056-05

Sample Matrix: Drinking Water

			N	liscellaneous Or	ganic Analys	es				
			MCL/SMC	L				Date	Date/Time	
Analyte	Results	RL	MA ORSO	Units	Dilution	Flag/Qual	Method	Prepared	Analyzed	Analyst
Perfluoroundecanoic acid (PFUnA)	ND	2.0	2	ng/L	1 .		EPA 537	8/11/17	8/13/17 19:50	BLM
Perfluorotridecanoic acid (PFTrDA)	ND	2.0	2	ng/L	1		EPA 537	8/11/17	8/13/17 19:50	BLM
Perfluorotetradecanoic acid (PFTA)	ND	2,0	2	ng/L	1	•	EPA 537	8/11/17	8/13/17 19:50	BLM
# Perfluorooctanoic acid (PFOA)	43	2.0	2	ng/L	1		EPA 537	8/11/17	8/13/17 19:50	BLM
# Perfluorooctanesulfonic acid (PFOS)	30	2.0	2	ng/L	1		EPA 537	8/11/17	8/13/17 19:50	BLM
Perfluorononanoic acid (PFNA)	ND	2.0	2	ng/L	1		EPA 537	8/11/17	8/13/17 19:50	BLM
# Perfluorohexanoic acid (PFHxA)	30	2.0	2	ng/L	ı		EPA 537	8/11/17	8/13/17 19:50	BLM
# Perfluorohexanesulfonic acid (PFHxS)	120	2.0	.2	ng/L	i		EPA 537	8/[1/17	8/13/17 19:50	BLM
# Perfluoroheptanoic acid (PFHpA)	7.3	2.0	2	ng/L	1		EPA 537	8/11/17	8/13/17 19:50	BLM
Perfluorododecanoic acid (PFDoA)	ND	2.0	2	ng/L	1		EPA 537	8/11/17	8/13/17 19:50	BLM
Perfluorodecanoic acid (PFDA)	ND	2.0	2	ng/L	1		EPA 537	8/11/17	8/13/17 19:50	BLM
# Perfluorobutanesulfonic acid (PFBS)	8.4	2.0	2	ng/L	1		EPA 537	8/11/17	8/13/17 19:50	BLM
NEtFOSAA	ND	2.0		ng/L	1	•	EPA 537	8/11/17	8/13/17 19:50	BLM
NMeFOSAA	ND	2.0		ng/L	1		EPA 537	8/11/17	8/13/17 19:50	BLM
Surrogates		% Re	covery	Recovery Limit	S	Flag/Qual				
I3C-PFHxA		83.2	-	70-130					8/13/17 19:50	
13C-PFDA		72.3		70-130					8/13/17 19:50	
d5-NEtFOSAA		88.8		70-130					8/13/17 19:50	



Project Location: 281 Lower Sandy Hill Rd, Westfie

Sample Description:

Work Order: 17H0056

Date Received: 8/1/2017

Field Sample #: 281 Inf-1

Sampled: 8/1/2017 09:50

Sample ID: 17H0056-05

Samule Matrix: Drinking Water

Metals	Analyses	(Total)

			MCL/SMCL					Date	Date/Time	
Analyte	Results	RL	MA ORSG	Units	Dilution	Flag/Quai	Method	Prepared	Analyzed	Analyst
Arsenic	4.1	1.0	01	μg/L	1		EPA 200.8	8/14/17	8/15/17 11:11	WSD



#### Sample Extraction Data

Prep Method; EPA 200.8-EPA 200.8

Lab Number [Field ID]	Batch	Initial [mL]	Final [mL]	Date	
17H0056-03 [28] EFF-1]	B184074	10.0	10.0	08/14/17	•
17H0056-04 [281 Mid-1]	B184074	10.0	10.0	08/14/17	
17H0056-05 [281 Inf-1]	B184074	10.0	10.0	08/14/17	

. Prep Method: EPA 537-EPA 537

Lab Number [Field ID]	Batch	Initial [mL]	Final [mL]	Date	
17H0056-01 [Trip Blank]	B183913	250	1.00	08/11/17	
17H0056-02 [Field Blank 09]	B183913	250	1.00	08/11/17	
[7H0056-03 [28] EFF-1]	B183913	250	1.00	08/11/17	
17H0056-04 [28] Mid-1]	B183913	250	1.00	08/11/17	•
17H0056-05 [281 Inf-1]	B183913	250	1,00	08/11/17	



#### QUALITY CONTROL

#### Miscellaneous Organic Analyses - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Resuit	%REC	%REC Limits	RPD	RPD Limit	Notes
	result	Dullit	Onna	POACI	result	/UNEX	rung	יערט	PHIII	rvotes
Batch B183913 - EPA 537				·			· · · · · · · · · · · · · · · · · · ·			
Blank (B183913-BLK1)				Prepared: 08	3/11/17 Anal	yzed: 08/13/1	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						ì	
Perfluorohexanoic acid (PFHxA)	ND	2.0	ng/L						1	
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							
NEIFOSAA	ND	2.0	ng/L							
MeFOSAA	ND	2.0	ng/L							
Surrogate: 13C-PFHxA	39,5		ng/L	40.0	•••	98.7	70-130			
iurogate: 13C-PFDA	44.3		ng/L	40.0		111	70-130			
urrogate: d5-NEtFOSAA	188		ng/L	160		118	70-130			
.CS (B183913-BS1)				Prepared: 08	3/11/17 Anal	yzed: 08/13/1	7			
erfluoroundecanoic acid (PFUnA)	2.18	2.0	ng/L	2.00		109	50-150			
erfluorotridecanoic acid (PFTrDA)	2.01	2.0	ng/L	2,00		100	50-150			
erfluorotetradecanoic acid (PFTA)	2.01	2.0	ng/L	2.00		101	50-150			
erfluorooctanoic acid (PFOA)	2.20	2.0	ng/L	2.00		110	50-150			
erfluorooctanesulfonic acid (PFOS)	2.30	2.0	ng/L	1,85		125	50-150			
erfluorononanoic acid (PFNA)	1.58	2.0	ng/L	2.00		79.2	50-150			
erfluorohexanoic acid (PFHxA)	1.95	2.0	ng/L	2.00		97.4	50-150			
erfluorohexanesulfonic acid (PFHxS)	1.74	2.0	ng/L	1.82		95.8	50-150			
erfluoroheptanoic acid (PFHpA)	1.75	2.0	ng/L	2.00		87.6	50-150			
erfluorododecanoic acid (PFDoA)	1.80	2.0	ng/L	2.00		89.8	50-150			
erfluorodecanoic acid (PFDA)	2.13	2,0	ng/L	2.00		106	50-150			
erfluorobutanesulfonic acid (PFBS)	1.65	2.0	ng/L	1.77		93.3	50-150			
EtFOSAA	1,59	2.0	ng/L	2,00		79.4	50-150			
MeFOSAA	1.92	2.0	ng/L	2.00		95.9	50-150			
штоgate: 13C-PFHxA	34.0		ng/L	40.0		85,1	70-130			
штоgate: 13C-PFDA	37.3		ng/L	40.0		93,3	70-130			
urrogate: d5-NEtFOSAA	169		ng/L	160		105	70-130			



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

#### Metals Analyses (Total) - Quality Control

				0.7			%REC		RPD	
	D 4	Reporting	Units	Spike Level	Source Result	%REC	Limits	RPD	Limit	Notes
Analyte	Result	Limit	Units	Level	Resur	70KEC	Lilling	- Ki D	Limit	110103
Batch B184074 - EPA 200.8							-			
Blank (B184074-BLK1)				Prepared: 08	3/14/17 Anal	yzed: 08/15	/17			
Arsenic	ND .	1.0	μg/L							
LCS (B184074-BS1)				Prepared: 08	8/14/17 Anal	yzed; 08/15	5/17			
Arsenic	42.2	1.0	μg/L	40.0		105	85-115	•		
Duplicate (B184074-DUP1)	Sour	ce: 17H0056-	-03	Prepared: 08	8/14/17 Anal	yzed; 08/15	5/17			
Arsenic	1.82	1.0	μg/L		1.86	5		2,14	20	
Duplicate (B184074-DUP2)	Sour	ce: 17H0056	-04	Prepared: 08	8/14/17 Anal	yzed: 08/1:	5/17			
Arsenic	6.77	1.0	μg/L		5.84	ı		14.8	20	•
Matrix Spike (B184074-MS1)	Sour	ce: 17H0056	-03	Prepared: 08	8/14/17 Anal	yzed: 08/1:	5/17			
Arsenic	26.6	1.2	μg/L	25.0	1,80	5 99.0	70-130			
Matrix Spike (B184074-MS2)	Sour	се: 17Н0056	-04	Prepared: 0	8/14/17 Anal	yzed: 08/1:	5/17			
Arsenic	30.8	1.2	μg/L	25.0	5,84	99.8	70-130			



#### FLAG/QUALIFIER SUMMARY

*	QC result is outside of established limits.
ŧ	Wide recovery limits established for difficult compound.
‡	Wide RPD limits established for difficult compound.
#	Data exceeded client recommended or regulatory level
1D	Not Detected
RL	Reporting Limit
DL	Method Detection Limit
CL	Maximum Contaminant Level
	·

Percent recoveries and relative percent differences (RPDs) are determined by the software using values in the

calculation which have not been rounded.

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



#### CERTIFICATIONS

#### Certified Analyses included in this Report

Analyte

Certifications

EPA 200.8 in Drinking Water

Arsenic

CT,MA,NH,NY,RI,NC,ME,VA

EPA 537 in Drinking Water

Perfluorooctanoic acid (PFOA)

NH,NY

Perfluorooctanesulfonic acid (PFOS)

NH,NY

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

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

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soldings specially behinds it <sup>2</sup> Preservation Codes: 1 Matrix Codes: GW = Ground Water WW = Waste Water DW = Drinking Water Sodium Hydroxide B - Sodium Bisulfate Page \_\_1 \_\_ of \_\_\_1\_\_ 0 = Other (please O = Other (please is a following the second of t N = Nitric Acid S = Sulfuric Acid Preservation Code O Field Filtered O Field Filtered H = HCL M = Methanol O Lab to Filter O Lab to Filter Container Code = Sodium SL = Studge SOL = Solid Thiosulfate # of Containers TRIZMA define) define) E Ced A = Air S = Soil 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: Doc # 381 Rev 1\_03242017 MCP Certification Form Required MA MCP Required TOTAL AS, Fe, HARDNESS, TOC × × × z Δ Special Requirements ∞ o × × **EPA METHOD 537** Matrix Conc Code Code \_ 5  $\Rightarrow$  $\Rightarrow$ Email To:rob.smith@atcassociates.com http://www.contestlabs.com 2 CHAIN OF CUSTODY RECORD Ѯ 훒 š Ѯ ձ Data Delivery Composite Grab EXCEL 3-Day 4-Day CLP Like Data Pkg Required: × Due Date: 5-day TAT 2 PDF Ending Date/Time Fax To #: Format: 920 940 945 950 Other: 800 7-Day 1-Day 2-Day Beginning Date/Time 8/1/2017 8/1/2017 8/1/2017 8/1/2017 8/1/2017 73 William Franks Orive, West Springfield, MA Email; info@contestlabs.com 281 Lower Sandy Hill Rd, Westfield 281 Lower Sandy Hill Rd, Westfield Clent Sample ID / Description Date/Time: Fax: 413-525-6405 Date/Time: EXTRACT & HOLD EPA Method 537: XX-field blank & XX-2 ATC Group Services (413) 781-0070 Joseph Bolduc field blank 09 183EM00170 Trip blank Rob Smith 281 EFF-1 281 Mid-1 281 Inf-1 RUN EPA Method 537: Trip Blank & XX-1 Con-Test Quote Name/Number: CON-TEST" Con-Test Work Order# B 丁の company Name: ō nvoice Recipient: Project Location: Project Manager: Project Number: Sampled By: Address: Phone:

Container Codes:A = Amber GlassG = Glass S = Summa Canister O = Other (please Non Soxhlet ≝ Tedlar Bag PCB ONLY Soxhlet P = Plastic ST = Sterile V = Vial define) Chromatogram AIHA-LAP, LLC Other ☐ WRTA RCP Certification Form Required CT RCP Required MWRA School MA State DW Required MBTA Municipality Brownfield # QISMd Government Federal Project Entity 45 Other 8/1/17 /3:30 Date/Time: Date/Time: Date/Time: Date/Time: 7,111 HOLD As, Fe, Hardness, TOC Relinguished by (signature) inquished by: (signature) linquished by: Ksignature) ceived by: (signature) ceived by: (signature) sceived by: (signative)

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Page

39 Spruce St.

East Longmeadow, MA. 01028

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



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Doc# 277 Rev 5 2017

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

Client	<u> </u>							
Received By	RLF		Date	<u> 811</u>	17	Time	1330	<u> </u>
How were the samples	In Cooler	7	No Cooler		On Ice		No Ice	
received?	Direct from Samp	olina	·		Ambient		Melted Ice	, , , , , , , , , , , , , , , , , , , ,
	2.1001,701.1.001.1,	By Gun#		,	Actual Tem	n = 17 )	. C	
Were samples within	- <del></del>	=						
Temperature? 2-6°C	F	By Blank #			Actual Tem			
Was Custody S		<u>NA</u>	•	re Samples	•		<u>+</u>	
Was COC Relin	•		•	Chain Agre	ee With Sai	mples?		
Are there broken/l	<u>-</u>	on any sam		<del></del>				
Is COC in ink/ Legible?		_		nples receiv		olding time?		
Did COC include all	Client		Analysis	1		er Name		
pertinent Information?	Project		ID's		Collection	Dates/Times	3T	
Are Sample labels filled		1						
Are there Lab to Filters?	?	<u> </u>		Who was	•			
Are there Rushes?		<u> </u>		Who was				
Are there Short Holds?		F		Who was	notified?			
ls there enough Volume		T						
ls there Headspace whe	ere applicable?	<u></u>		MS/MSD?_	<u>va</u>			
Proper Media/Container	s Used?			ls splitting s	amples rec	juired?	<u> </u>	
Were trip blanks receive		T		On COC?_	<u>T</u>	_		
Do all samples have the	proper pH?		Acid	<u> </u>		Base	<u>A</u>	
Viels #	Containers:	#			#			#
Unp-	1 Liter Amb.		1 Liter				z Amb.	
HCL-	500 mL Amb.		500 mL	Plastic		8oz An	nb/Clear	
		<del> </del>						
Meoh-	250 mL Amb.		250 mL				nb/Clear	<u> </u>
Meoh- Bisulfate-	250 mL Amb. Col./Bacteria		250 mL Flash	point		2oz An	nb/Clear nb/Clear	
Meoh- Bisulfate- DI-	250 mL Amb. Col./Bacteria Other Plastic		250 mL Flash Other	point Glass		2oz An En	nb/Clear	
Meoh- Bisulfate- DI- Thiosulfate-	250 mL Amb. Col./Bacteria Other Plastic SOC Kit		250 mL Flash Other Plastic	point Glass c Bag		2oz An	nb/Clear nb/Clear	
Meoh- Bisulfate- DI- Thiosulfate-	250 mL Amb. Col./Bacteria Other Plastic		250 mL Flash Other	point Glass c Bag		2oz An En	nb/Clear nb/Clear	
Meoh- Bisulfate- DI- Thiosulfate-	250 mL Amb. Col./Bacteria Other Plastic SOC Kit		250 mL Flash Other Plastic	point Glass c Bag ock		2oz An En	nb/Clear nb/Clear	
Meoh- Bisulfate- DI- Thiosulfate- Sulfuric-	250 mL Amb. Col./Bacteria Other Plastic SOC Kit Perchlorate  Containers:	#	250 mL Flash Other Plastic Zipk Unused M	point Glass c Bag ock Media	#	2oz An En Frozen:	nb/Clear nb/Clear core	#
Meoh- Bisulfate- DI- Thiosulfate- Sulfuric- Vials	250 mL Amb. Col./Bacteria Other Plastic SOC Kit Perchlorate  Containers: 1 Liter Amb.	#	250 mL Flash Other Plastic Ziple Unused I	point Glass c Bag ock Media	#	2oz An En Frozen:	nb/Clear nb/Clear core z Amb.	#
Meoh- Bisulfate- DI- Thiosulfate- Sulfuric-  Vials Unp- HCL-	250 mL Amb. Col./Bacteria Other Plastic SOC Kit Perchlorate  Containers: 1 Liter Amb. 500 mL Amb.	#	250 mL Flash Other Plastic Zipk Unused M	point Glass c Bag ock Media Plastic Plastic	#	2oz An En Frozen: 16 oz 8oz An	nb/Clear nb/Clear core z Amb. nb/Clear	#
Meoh- Bisulfate- DI- Thiosulfate- Sulfuric-  Vials # Unp- HCL- Meoh-	250 mL Amb. Col./Bacteria Other Plastic SOC Kit Perchlorate  Containers: 1 Liter Amb. 500 mL Amb. 250 mL Amb.	#	250 mL Flash Other Plastic Ziplo Unused M 1 Liter 500 mL 250 mL	point Glass Bag ock Media Plastic Plastic Plastic Plastic	***	2oz An En Frozen: 16 oz 8oz An 4oz An	nb/Clear nb/Clear core z Amb. nb/Clear nb/Clear	#
Meoh- Bisulfate- DI- Thiosulfate- Sulfuric-  Vials # Unp- HCL- Meoh- Bisulfate-	250 mL Amb. Col./Bacteria Other Plastic SOC Kit Perchlorate  Containers: 1 Liter Amb. 500 mL Amb. 250 mL Amb. Col./Bacteria	#	250 mL Flash Other Plastic Ziplo Unused M 1 Liter 500 mL 250 mL Flash	point Glass Bag ock Media Plastic Plastic Plastic point	# # # # # # # # # # # # # # # # # # # #	2oz An En Frozen: 16 oz 8oz An 4oz An 2oz An	mb/Clear mb/Clear core z Amb. mb/Clear mb/Clear mb/Clear	*
Meoh- Bisulfate- DI- Thiosulfate- Sulfurlc-  Vials Unp- HCL- Meoh- Bisulfate- DI-	250 mL Amb. Col./Bacteria Other Plastic SOC Kit Perchlorate  Containers: 1 Liter Amb. 500 mL Amb. 250 mL Amb. Col./Bacteria Other Plastic	#	250 mL Flash Other Plastic Ziple Unused I  1 Liter 500 mL 250 mL Flash Other	point Glass c Bag ock Media Plastic Plastic Plastic point Glass	#	2oz An En Frozen: 16 oz 8oz An 4oz An 2oz An	nb/Clear nb/Clear core z Amb. nb/Clear nb/Clear	# 3
Meoh- Bisulfate- DI- Thiosulfate- Sulfurlc-  Vials # Unp- HCL- Meoh- Bisulfate- DI- Thiosulfate-	250 mL Amb. Col./Bacteria Other Plastic SOC Kit Perchlorate  Containers: 1 Liter Amb. 500 mL Amb. 250 mL Amb. Col./Bacteria Other Plastic SOC Kit	#	250 mL Flash Other Plastic Ziple Unused A  1 Liter 500 mL 250 mL Flash Other Plastic	point Glass c Bag ock Media Plastic Plastic Plastic point Glass c Bag	#	2oz An En Frozen: 16 oz 8oz An 4oz An 2oz An	mb/Clear mb/Clear core z Amb. mb/Clear mb/Clear mb/Clear	#
Meoh- Bisulfate- DI- Thiosulfate- Sulfuric-  Vials Unp- HCL- Meoh- Bisulfate- DI- Thiosulfate- Sulfuric-	250 mL Amb. Col./Bacteria Other Plastic SOC Kit Perchlorate  Containers: 1 Liter Amb. 500 mL Amb. 250 mL Amb. Col./Bacteria Other Plastic	#	250 mL Flash Other Plastic Ziple Unused I  1 Liter 500 mL 250 mL Flash Other	point Glass c Bag ock Media Plastic Plastic Plastic point Glass c Bag	***************************************	2oz An En Frozen: 16 oz 8oz An 4oz An 2oz An	mb/Clear mb/Clear core z Amb. mb/Clear mb/Clear mb/Clear	# # # # # # # # # # # # # # # # # # # #
Meoh- Bisulfate- DI- Thiosulfate- Sulfuric-  Vials # Unp- HCL- Meoh- Bisulfate- DI- Thiosulfate- Sulfuric-	250 mL Amb. Col./Bacteria Other Plastic SOC Kit Perchlorate  Containers: 1 Liter Amb. 500 mL Amb. 250 mL Amb. Col./Bacteria Other Plastic SOC Kit	#	250 mL Flash Other Plastic Ziple Unused A  1 Liter 500 mL 250 mL Flash Other Plastic	point Glass c Bag ock Media Plastic Plastic Plastic point Glass c Bag	# # # # # # # # # # # # # # # # # # # #	2oz An En Frozen: 16 oz 8oz An 4oz An 2oz An	mb/Clear mb/Clear core z Amb. mb/Clear mb/Clear mb/Clear	#
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Meoh- Bisulfate- DI- Thiosulfate- Sulfuric-  Vials # Unp- HCL- Meoh- Bisulfate- DI- Thiosulfate- Sulfuric-	250 mL Amb. Col./Bacteria Other Plastic SOC Kit Perchlorate  Containers: 1 Liter Amb. 500 mL Amb. 250 mL Amb. Col./Bacteria Other Plastic SOC Kit	#	250 mL Flash Other Plastic Ziple Unused A  1 Liter 500 mL 250 mL Flash Other Plastic	point Glass c Bag ock Media Plastic Plastic Plastic point Glass c Bag	#	2oz An En Frozen: 16 oz 8oz An 4oz An 2oz An	mb/Clear mb/Clear core z Amb. mb/Clear mb/Clear mb/Clear	#
Meoh- Bisulfate- DI- Thiosulfate- Sulfuric-  Vials # Unp- HCL- Meoh- Bisulfate- DI- Thiosulfate- Sulfuric-	250 mL Amb. Col./Bacteria Other Plastic SOC Kit Perchlorate  Containers: 1 Liter Amb. 500 mL Amb. 250 mL Amb. Col./Bacteria Other Plastic SOC Kit	#	250 mL Flash Other Plastic Ziple Unused A  1 Liter 500 mL 250 mL Flash Other Plastic	point Glass c Bag ock Media Plastic Plastic Plastic point Glass c Bag	#	2oz An En Frozen: 16 oz 8oz An 4oz An 2oz An	mb/Clear mb/Clear core z Amb. mb/Clear mb/Clear mb/Clear	#
Meoh- Bisulfate- DI- Thiosulfate- Sulfuric-  Vials # Unp- HCL- Meoh- Bisulfate- DI- Thiosulfate- Sulfuric-	250 mL Amb. Col./Bacteria Other Plastic SOC Kit Perchlorate  Containers: 1 Liter Amb. 500 mL Amb. 250 mL Amb. Col./Bacteria Other Plastic SOC Kit	#	250 mL Flash Other Plastic Ziple Unused A  1 Liter 500 mL 250 mL Flash Other Plastic	point Glass c Bag ock Media Plastic Plastic Plastic point Glass c Bag	#	2oz An En Frozen: 16 oz 8oz An 4oz An 2oz An	mb/Clear mb/Clear core z Amb. mb/Clear mb/Clear mb/Clear	# 1
Meoh- Bisulfate- DI- Thiosulfate- Sulfuric-  Vials Unp- HCL- Meoh- Bisulfate- DI- Thiosulfate- Sulfuric-	250 mL Amb. Col./Bacteria Other Plastic SOC Kit Perchlorate  Containers: 1 Liter Amb. 500 mL Amb. 250 mL Amb. Col./Bacteria Other Plastic SOC Kit	#	250 mL Flash Other Plastic Ziple Unused A  1 Liter 500 mL 250 mL Flash Other Plastic	point Glass c Bag ock Media Plastic Plastic Plastic point Glass c Bag	***	2oz An En Frozen: 16 oz 8oz An 4oz An 2oz An	mb/Clear mb/Clear core z Amb. mb/Clear mb/Clear mb/Clear	#*************************************
Meoh- Bisulfate- DI- Thiosulfate- Sulfuric-  Vials # Unp- HCL- Meoh- Bisulfate- DI- Thiosulfate- Sulfuric-	250 mL Amb. Col./Bacteria Other Plastic SOC Kit Perchlorate  Containers: 1 Liter Amb. 500 mL Amb. 250 mL Amb. Col./Bacteria Other Plastic SOC Kit	# ,	250 mL Flash Other Plastic Ziple Unused A  1 Liter 500 mL 250 mL Flash Other Plastic	point Glass c Bag ock Media Plastic Plastic Plastic point Glass c Bag	#	2oz An En Frozen: 16 oz 8oz An 4oz An 2oz An	mb/Clear mb/Clear core z Amb. mb/Clear mb/Clear mb/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

September 13, 2017

Scott and Tracey Burke 678 North Road Westfield, MA 01085

RE:

Notice of Environmental Sampling

678 North Road

Westfield Private Well Sampling

Dear Scott and Tracey Burke:

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

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

Notice of Environmental Sampling 678 North Road Westfield, RTN: 1-20093 Page 2 of 2

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

Sincerely,

Eva Tor

Deputy Regional Director Bureau of Waste Site Cleanup

V. Ta

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
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### 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: Scott & Tracy Burke
2. Street Address: 678 North Road
City/Town: Westfield Zip Code: 01085
C. This notice is being given to inform its recipient (the party listed in Section B):
1. That environmental sampling will be/has been conducted at property owned by the recipient of this notice.
2. Of the results of environmental sampling conducted at property owned by the recipient of this notice.
3. Check to indicate if the analytical results are attached. (If item 2. above is checked, the analytical results from the environmental sampling must be attached to this notice.)
D. Location of the property where the environmental sampling will be/has been conducted:
1. Street Address: 678 North Road
City/Town: Westfield Zip Code: 01085
2. MCP phase of work during which the sampling will be/has been conducted:
☐ Immediate Response Action ☐ Phase III Feasibility Evaluation ☐ Release Abatement Measure ☐ Phase IV Remedy Implementation Plan
☐ 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
☐ Phase Il Comprehensive Site Assessment ☐ Other (specify)
3. Description of property where sampling will be/has been conducted:
☑ residential    commercial    industrial    school/playground    Other(specify)
(specify)  4. Description of the sampling locations and types (e.g., soil, groundwater, indoor air, soil gas) to the extent known at the
time of this notice.
Drinking water samples were collected from the private well located on the above-referenced
property and analyzed for PHAS compounds via EPA Method 537.1
E. Contact information related to the party providing this notice:  Contact Name: Department of Environmental Protection
Contact Name: Department of Environmental Protection  Street Address: 436 Dwight Street
City/Town: Springfield Zip Code: 01103
Telephone: (413) 755-2221 Email: david.bachand.jr@state.ma.us

Page 1 of 2 Revised: 5/30/2014



## 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.



August 25, 2017

Rob Smith

ATC Group Services LLC - West Springfield

73 Williams Franks Drive

West Springfield, MA 01089

Project Location: 678 North Rd., Westfield

Client Job Number:

Project Number: 183EM00170

Laboratory Work Order Number: 17H0509

Keny K. Mille

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

Sincerely,

Kerry K. McGee Project Manager

### **Table of Contents**

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ATC Group Services LLC - West Springfield
73 Williams Franks Drive

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

REPORT DATE: 8/25/2017

PROJECT NUMBER:

183EM00170

ANALYTICAL SUMMARY

WORK ORDER NUMBER:

17H0509

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

PROJECT LOCATION:

678 North Rd., Westfield

FIELD SAMPLE #	LAB ID:	MATRIX	SAMPLE DESCRIPTION	TEST	SUB LAB	
678 North Rd Field Blank	17H0509-01	Field Blank		EPA 537		
678 North Rd. Rd1	17H0509-02	Drinking Water		EPA 537		
678 North Rd. Rd2	17H0509-03	Drinking Water		EPA 537		



### CASE NARRATIVE SUMMARY

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

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

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

Lisa A. Worthington Project Manager



Project Location: 678 North Rd., Westfield

Sample Description:

Work Order: 17H0509

Date Received: 8/8/2017

Field Sample #: 678 North Rd.- Field Blank

Sampled: 8/8/2017 13:47

Sample ID: 17H0509-01
Sample Matrix: Field Blank

			N	Aiscellaneous Org	ganic Analys	es				
			MCL/SMC	L				Date	Date/Time	
Analyte	Results	RL	MA ORSO	- Units	Dilution	Flag/Qual	Method	Prepared	Analyzed	Analyst
Perfluoroundecanoic acid (PFUnA)	ND	2.0	2	ng/L	1		EPA 537	8/13/17	8/15/17 21:53	BLM
Perfluorotridecanoic acid (PFTrDA)	ND	2.0	2	ng/L	1		EPA 537	8/13/17	8/15/17 21:53	BLM
Perfluorotetradecanoic acid (PFTA)	ND	2.0	2	ng/L	I		EPA 537	8/13/17	8/15/17 21:53	BLM
Perfluorooctanoic acid (PFOA)	ND	2.0	2	ng/L	ı		EPA 537	8/13/17	8/15/17 21:53	BLM
Perfluorooctanesulfonic acid (PFOS)	ND	2.0	2	ng/L	1		EPA 537	8/13/17	8/15/17 21:53	BLM
Perfluorononanoic acid (PFNA)	ND	2.0	2	ng/L	1		EPA 537	8/13/17	8/15/17 21:53	BLM
Perfluorohexanoic acid (PFHxA)	ND	2.0	2	ng/L	1		EPA 537	8/13/17	8/15/17 21:53	BLM
Perfluorohexanesulfonic acid (PFHxS)	ND	2.0	2	ng/L	I		EPA 537	8/13/17	8/15/17 21:53	BLM
Perfluoroheptanoic acid (PFHpA)	ND	2.0	2	ng/L	1		EPA 537	8/13/17	8/15/17 21:53	BLM
Perfluorododecanoic acid (PFDoA)	ND	2.0	2	ng/L	1		EPA 537	8/13/17	8/15/17 21:53	BLM
Perfluorodecanoic acid (PFDA)	ND	2.0	2	ng/L	1		EPA 537	8/13/17	8/15/17 21:53	BLM
Perfluorobutanesulfonic acid (PFBS)	ND	2.0	2	ng/L	1		EPA 537	8/13/17	8/15/17 21:53	BLM
NEtFOSAA	ND	2.0		ng/L	1		EPA 537	8/13/17	8/15/17 21:53	BLM
NMeFOSAA	ND	2.0		ng/L	1		EPA 537	8/13/17	8/15/17 21:53	BLM
Surrogates		% Re	covery	Recovery Limits		Fiag/Qual				
13C-PFHxA		119		70-130		*			8/15/17 21:53	
I3C-PFDA		97.2		70-130					8/15/17 21:53	
d5-NEtFOSAA		128		70-130					8/15/17 21:53	



Project Location: 678 North Rd., Westfield

Sample Description:

Work Order: 17H0509

Date Received: 8/8/2017

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

Sampled: 8/8/2017 14:00

Sample ID: 17H0509-02
Sample Matrix: Drinking Water

			M	liscellaneous Or	ganic Analys	es				
Analyte	Results	RL	MCL/SMC		Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Perfluoroundecanoic acid (PFUnA)	ND	2.0	2	ng/L	1		EPA 537	8/13/17	8/15/17 22:06	BLM
Perfluorotridecanoic acid (PFTrDA)	ND	2.0	2	ng/L	1		EPA 537	8/13/17	8/15/17 22:06	BLM
Perfluorotetradecanoic acid (PFTA)	ND	2.0	2	ng/L	1		EPA 537	8/13/17	8/15/17 22:06	BLM
# Perfluorooctanoic acid (PFOA)	4.4	2.0	2	ng/L	ŧ		EPA 537	8/13/17	8/15/17 22:06	BLM
# Perfluorooctanesulfonic acid (PFOS)	6.0	2.0	2	ng/L	1		EPA 537	8/13/17	8/15/17 22:06	BLM
Perfluorononanoic acid (PFNA)	ND	2.0	2	ng/L	1		EPA 537	8/13/17	8/15/17 22:06	BLM
# Perfluorohexanoic acid (PFHxA)	3.3	2.0	2	ng/L	1		EPA 537	8/13/17	8/15/17 22:06	BLM
# Perfluorohexanesulfonic acid (PFHxS)	9.0	2.0	2	ng/L	1		EPA 537	8/13/17	8/15/17 22:06	BLM
Perfluoroheptanoic acid (PFHpA)	ND	2.0	2	ng/L	I		EPA 537	8/13/17	8/15/17 22:06	BLM
Perfluorododecanoic acid (PFDoA)	ND	2.0	. 2	ng/L	i		EPA 537	8/13/17	8/15/17 22:06	BLM
Perfluorodecanoic acid (PFDA)	ND	2.0	2	ng/L	1		EPA 537	8/13/17	8/15/17 22:06	BLM
Perfluorobutanesulfonic acid (PFBS)	ND	2.0	2	ng/L	1		EPA 537	8/13/17	8/15/17 22:06	BLM
NEIFOSAA	ND	2.0		ng/L	1		EPA 537	8/13/17	8/15/17 22:06	BLM
NMeFOSAA	ND	2.0		ng/L	1		EPA 537	8/13/17	8/15/17 22:06	BLM
Surrogates		% Re	covery	Recovery Limit	s	Flag/Qual				
13C-PFHxA		130		70-130	······				8/15/17 22:06	
13C-PFDA		92.8		70-130					8/15/17 22:06	
d5-NEtFOSAA		119		70-130					8/15/17 22:06	



Project Location: 678 North Rd., Westfield

Sample Description:

Work Order: 17H0509

Date Received: 8/8/2017

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

Sampled: 8/8/2017 14:02

Sample ID: 17H0509-03

Sample Matrix: Drinking Water

			N	discellaneous Org	ganic Analys	es				
			MCL/SMC	:L				Date	Date/Time	
Analyte	Results	RL	MA ORSO	G Units	Dilution	Flag/Qual	Method	Prepared	Analyzed	Analys
Perfluoroundecanoic acid (PFUnA)	ND	2.0	2	ng/L	1		EPA 537	8/13/17	8/15/17 22:18	BLM
Perfluorotridecanoic acid (PFTrDA)	ND	2.0	2	ng/L	1		EPA 537	8/13/17	8/15/17 22:18	BLM
Perfluorotetradecanoic acid (PFTA)	ND	2.0	2	ng/L	Ł		EPA 537	8/13/17	8/15/17 22:18	BLM
Perfluorooctanoic acid (PFOA)	4.1	2,0	2	ng/L	I		EPA 537	8/13/17	8/15/17 <b>22</b> :18	BLM
# Perfluorooctanesulfonic acid (PFOS)	5.9	2.0	2	ng/L	1		EPA 537	8/13/17	8/15/17 22:18	BLM
Perfluorononanoic acid (PFNA)	ND	2.0	2	ng/L	ı		EPA 537	8/13/17	8/15/17 22:18	BLM
Perfluorohexanoic acid (PFHxA)	3.4	2,0	2	ng/L	1		EPA 537	8/13/17	8/15/17 22:18	BLM
# Perfluorohexanesulfonic acid (PFHxS)	8.0	2.0	2	ng/L	1		EPA 537	8/13/17	8/15/17 22:18	BLM
Perfluoroheptanoic acid (PFHpA)	ND	2.0	2	ng/L	1		EPA 537	8/13/17	8/15/17 22:18	BLM
Perfluorododecanoic acid (PFDoA)	ND	2.0	2	ng/L	I		EPA 537	8/13/17	8/15/17 22:18	BLM
Perfluorodecanoic acid (PFDA)	ND	2.0	2	ng/Ľ	ı		EPA 537	8/13/17	8/15/17 22:18	BLM
Perfluorobutanesulfonic acid (PFBS)	ND	2.0	2	ng/L	1		EPA 537	8/13/17	8/15/17 22:18	BLM
NEtFOSAA .	ND	2.0		ng/L	1		EPA 537	8/13/17	8/15/17 22:18	BLM
NMeFOSAA	ND	2.0		ng/L	l		EPA 537	8/13/17	8/15/17 22:18	BLM
Surrogates		% Rec	covery	Recovery Limits		Flag/Qual				
13C-PFHxA		128		70-130					8/15/17 22:18	
13C-PFDA		110		70-130					8/15/17 22:18	
d5-NEtFOSAA		125		70-130					8/15/17 22;18	



#### Sample Extraction Data

Prep Method: EPA 537-EPA 537

Lab Number [Field ID]	Batch	Initial [mL]	Final (mL)	Date	
17H0509-01 [678 North Rd Field Blank]	B183955	250	1.00	08/13/17	
17H0509-02 [678 North Rd. Rd1]	B183955	250	1.00	08/13/17	
17H0509-03 [678 North Rd. Rd2]	B183955	250	1.00	08/13/17	



#### QUALITY CONTROL

#### Miscellaneous Organic Analyses - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B183955 - EPA 537										
Blank (B183955-BLK1)				Prepared: 08	/13/17 Analy	yzed: 08/15/.	17			
Perfluoroundecanoic acid (PFUnA)	ND	2.0	ng/L							
Perfluorotridecanoic acid (PFTrDA)	ND	2.0	ng/L							
Perfluorotetradecanoic acid (PFTA)	ND	2.0	ng/L							
Perfluorooctanoic acid (PFOA)	ND	2.0	ng/L				•			
Perfluorooctanesulfonic acid (PFOS)	ND	2.0	ng/L							
Perfluorononanoic acid (PFNA)	ND	2.0	ng/L							
Perfluorohexanoic acid (PFHxA)	ND	2.0	ng/L							
Perfluorohexanesulfonic acid (PFHxS)	ND	2.0	ng/L							
Perfluoroheptanoic acid (PFHpA)	ND	2.0	ng/L							
Perfluorododecanoic acid (PFDoA)	ND	2.0	ng/L							
Perfluorodecanoic acid (PFDA)	ND	2.0	ng/L							
Perfluorobutanesulfonic acid (PFBS)	ND	2,0	ng/L							
NEtFOSAA	ND	2.0	ng/L							
NMcFOSAA	ND	2.0	ng/L							
Surrogate: 13C-PFHxA	47.9		ng/L	40.0		120	70-130			
Surrogate: 13C-PFDA	41.6		ng/L	40.0		104	70-130			
Surrogate: d5-NEtFOSAA	207		ng/L	160		129	70-130			
LCS (B183955-BS1)		•		Prepared: 08	/13/17 Anal	yzed: 08/16/	17			
Perfluoroundecanoic acid (PFUnA)	25.6	2.0	ng/L	20.0		128	70-130			
Perfluoretridecanoic acid (PFTrDA)	21.1	2.0	ng/L	20.0		105	70-130			
Perfluorotetradecanoic acid (PFTA)	21.5	2.0	ng/L	20.0		107	70-130			
Perfluorooctanoic acid (PFOA)	18.9	2.0	ng/L	20.0		94.6	70-130			
Perfluorooctanesulfonic acid (PFOS)	20.2	2.0	ng/L	18.5		109	70-130			
Perfluorononanoic acid (PFNA)	16.7	2.0	ng/L	20.0		83.5	70-130			
Perfluorohexanoic acid (PFHxA)	20.4	2.0	ng/L	20.0		102	70-130			•
Perfluorohexanesulfonic acid (PFHxS)	18.8	2.0	ng/L	18.2		103	70-130			
Perfluoroheptanoic acid (PFHpA)	18,7	2.0	ng/L	20,0		93.7	70-130			
Perfluorododecanoic acid (PFDoA)	20.8	2.0	ng/L	20.0		104	70-130			
Perfluorodecanoic acid (PFDA)	21.4	2.0	ng/L	20.0		107	70-130			
Perfluorobutanesulfonic acid (PFBS)	18.3	2.0	ng/L	17.7		103	70-130			
NEIFOSAA	22.1	2.0	ng/L	20.0		111	70-130			
NMeFOSAA	21.1	2.0	ng/L	20.0		106	70-130			
Surrogate: 13C-PFHxA	35.9		ng/L	40.0		89.8	70-130			
Surrogate: 13C-PFDA	37.8		ng/L	40.0		94.5	70-130			
Surrogate: d5-NEtFOSAA	167		ng/L	160		105	70-130			



#### FLAG/QUALIFIER SUMMARY

*	QC	result i	s outside	of	established	limits.

† Wide recovery limits established for difficult compound.

Wide RPD limits established for difficult compound.

# Data exceeded client recommended or regulatory level

ND Not Detected

RL Reporting Limit

DL Method Detection Limit

MCL Maximum Contaminant Level

Percent recoveries and relative percent differences (RPDs) are determined by the software using values in the

calculation which have not been rounded.

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



#### CERTIFICATIONS

#### Certified Analyses included in this Report

Analyte

Certifications

EPA 537 in Drinking Water

Perfluorooctanoic acid (PFOA)

NH,NY

Perfluorocetanesulfonic acid (PFOS)

ин,ич

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	Florida Department of Health	E871027 NELAP	06/30/2018
VT	Vermont Department of Health Lead Laboratory	LL015036	07/30/2018
ME	State of Maine	2011028	06/9/2019
VA	Commonwealth of Virginia	460217	12/14/2017
NH-P	New Hampshire Environmental Lab	2557 NELAP	09/6/2017
VT-DW	Vermont Department of Health Drinking Water	VT-255716	06/12/2018
NC-DW	North Carolina Department of Health	25703	07/31/2018

Phone: 413-525-2332	CHAIN OF CUSTODY RECORD	מא ומסוכם	200			3 27 70	יין אין מרבי זרו בבר		Page 1 of 1
Fax: 413-525-6405	hersed		Metric	1		East Lo	East Longmeadow, MA 01028		water and the same
Email: info@contestlabs.com	7-Day	10-Day		┝╍┼	┝╌┤			**	# of Containers
ATC Group Services	Due Date	Į.		0	I Z			2 p	<sup>2</sup> Preservation Code
73 William Franks Drive, West Springfield, MA		Rush Approval Requir	paul	Ь	P V			]C	<sup>3</sup> Container Code
(413) 781-0070	1-Day	3-Day				4LYSIS RE	ANALYSIS REQUESTED		saldwes siment parties of
678 North Rd, Westfield	2-Day	4-Day			201			Ω.	O Field Filtered
678 North Rd, Westfield		क्षांभावित स्वाद्			·cc.		***	.O.	O Lab to Filter
183EM00170	Format: PDF ⊡	EXCEL	ত	£5 (	JN/I				
Rob Smith	Other:				и <b>ч</b> и				Orthophosphate Samples
Con-Test Quote Name/Number:	CLP Like Data Pkg Required:	lequired:						Q.	O Field Filtered
	Email To:				1 '5'			)	O Lab to Filter
Elizabeth O'Connor	Fax To #:				7 7¥			(2.4)	
Citent Sample ID 7. Description	Beginning Ending Composite Date/Time Date/Time	geso	Matrix Conc Code Code		701			AVA	1 <u>Matrix Codes:</u> GW = Ground Water
678 North Rd - field blank	TH:81 7107/8/8	×	n Ma	×				11174	WW ≅ Waste Water DW ≅ Drinking Water
678 North Rd - 1	8/8/2017 14:00	×	n wa	×	×				A = Air
678 North Rd - 2	8/8/2017 14:02	×	n wa	×					SL = Sludge
									o=Other (please
	- Andrews - Andr								define)
									2 Preservation Codes:
									H = HC
	,								N=Nitric Acid
									> = Sulfunc Acid B = Sodium Bisulfate
									X = Sodium Hydroxide T = Sodium
The state of the s									Thiosulfate
RUN EPA Method 537: 678 North Rd-1 EXTRACT & HOLD EPA Method 537: 678 North Rd-field blank & 678 No HOLD As, Fe, Hardness, TOC	678 North Rd-2		Please use t	the fallowi with High; M - M	lowing codes to indicate possible sam within the Conc Code column above: M - Medium; L - Low; C - Clean; U -	indicate po Code colur Low; C - C	Please use the following codes to indicate possible sample concentration within the Conc Code column above: H · High; M · Medium; L · Low; C · Clean; U · Unknown	ntration	define)  ZETRIZMA  ZETRIZMA  **Container Codes:
5	Detection Limit Requirements		Special Requirements	equirements					A = Amber class G = Glass D = blastic
] - -		] *	MCP Certification Form Required	Form Requi	The Day			Ø	ST = Sterile
/8/8			ธิ	CT RCP Required	pa.		イルニラン	J	V=Vial C= Smma Canister
je:		RCP	RCP Certification Form Required	Form Requi		W I	Analytical Laboratory Www.combestads.com	TORY	5 - Suffilia Callister T = Tedlar Bag O = Other (please
Date/Time;				MA State DW Required					define)
	Jan 10	PWSID #					NELW SHUAHANISE UND SOLIEUTEN		
Date/Time:	ct Entity Government	Municipality	ality			WRTA	Other	Щe	
Date/Time:	☐ Federal □	23 J		School	7		☐ AIHA-LAP,LLC	 Y	Non Soxhlet

39 Spruce St.

East Longmeadow, MA. 01028

P: 413-525-2332

F: 413-525-6405 www.contestlabs.com



Doc# 277 Rev 5 2017

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

Client ATC Received By	PB .		Date	8-8-17	.,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	Time	18:90	
How were the samples		<del></del>	No Coolei	•	On Ice	T	No Ice	
received?	In Cooler Direct from Samp		ING COOLE		Ambient		Melted Ice	
	Direct nom camp	By Gun#		-	Actual Temp	5.0	<b>-</b>	
Were samples within				-	•			-
Temperature? 2-6°C	7	By Blank #		_	Actual Temp			-
Was Custody S		_NB	•	-	s Tampered		<u>F</u>	-
Was COC Relin			•	_	ree With San	npies?	T	<b></b>
Are there broken/l	eaking/loose caps	on any sam	ples?	#				
Is COC in ink/ Legible?				•	ved within ho			<b>-</b> .
Did COC include all	Client		Analysis			r Name	<u> </u>	-
pertinent Information?	Project		. ID's	<u></u>	Collection	Dates/Time	S \	-
Are Sample labels fille		<u></u>						
Are there Lab to Filters'	7	_ F	-		s notified?	<u> </u>		_
Are there Rushes?		F	•		s notified?			-
Are there Short Holds?		_F	•	Who was	s notified?			-
Is there enough Volume		7						
Is there Headspace wh	ere applicable?	180 F	•	MS/MSD?				
Proper Media/Containe	rs Used?				samples req	uired?	NB	_
Were trip blanks receiv	ed?	E	_	On COC?	<u> </u>			
Do all samples have the	e proper pH?	~	Acid		•	Base		_
VAIs #	To such the second				ice-il			
Unp-	1 Liter Amb.		1 Lite	r Plastic		16 c	oz Amb.	
HCL-	500 mL Amb.		500 m	L Plastic			mb/Clear	
Meoh-	250 mL Amb.		250 m	L Plastic	3		mb/Clear	
Bisulfate-	Col./Bacteria		Flas	hpoint			.mb/Clear	
DI-	Other Plastic			r Glass		· · · · · · · · · · · · · · · · · · ·	ncore	<u></u>
Thiosulfate-	SOC Kit			tic Bag		Frozen:		
Sulfuric-	Perchlorate		Zij	olock		marakan marakan bermalan		
			Unused	Media				
Vale #	(sometimes)	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1						
Unp-	1 Liter Amb.		1 Lite	r Plastic		16 c	oz Amb.	
HCL-	500 mL Amb.		500 m	L Plastic			mb/Clear	<u> </u>
Meoh-	250 mL Amb.		250 m	L Plastic			mb/Clear	<u></u>
Bisulfate-	Col./Bacteria		Flas	hpoint			mb/Clear	
DI-	Other Plastic		<del></del>	r Glass			ncore	<u> </u>
Thiosulfate-	SOC Kit			tic Bag		Frozen:		
Sulfuric-	Perchlorate		Zij	olock				
Comments:					<del></del>	<del></del>		
				,		·		



# Commonwealth of Massachusetts Executive Office of Energy & Environmental Affairs

## Department of Environmental Protection

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

Charles D. Baker Governor

Karyn E. Polito Lieutenant Governor Matthew A. Beaton Secretary

> Martin Suuberg Commissioner

September 13, 2017

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

RE: N

Notice of Environmental Sampling

40 Indian Ridge Road

Westfield Private Well Sampling

Dear Carlos and Anabela Ferreira:

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

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

Notice of Environmental Sampling 40 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 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

<sup>&</sup>lt;sup>1</sup> 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	
B. This notice is being provided to the following party:	
1. Name: Carlos & Anabela Ferreira	
2. Street Address: 40 Indian Ridge Road	
City/Town: Westfield Zip Code: 01085	
C. This notice is being given to inform its recipient (the party listed in Section B):	
1. That environmental sampling will be/has been conducted at property owned by the recipient of this notice.	
✓ 2. Of the results of environmental sampling conducted at property owned by the recipient of this notice.	
√ 3. Check to indicate if the analytical results are attached. (If item 2. above is checked, the analytical results from	
the environmental sampling must be attached to this notice.)	
D. Location of the property where the environmental sampling will be/has been conducted:	
1. Street Address: 40 Indian Ridge Road	
City/Town: Westfield Zip Code: 01085	
2. MCP phase of work during which the sampling will be/has been conducted:	
☑ 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)	
4. Description of the sampling locations and types (e.g., soil, groundwater, indoor air, soil gas) to the extent known at the time of this notice.	
Drinking water samples were collected from the private well located on the above-referenced	
property and analyzed for PHAS compounds via EPA Method 537.1	
E. Contact information related to the party providing this notice:	
Contact Name: Department of Environmental Protection	
Street Address: 436 Dwight Street  City/Town: Springfield Zip Code: 01103	



### 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



August 25, 2017

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

Project Location: 40 Indian Ridge Rd., Westfield

Client Job Number:

Project Number: 183EM00170

Laboratory Work Order Number: 17H0513

Keny K. Mille

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

Sincerely,

Kerry K. McGee Project Manager

### **Table of Contents**

Sample Summary	3
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B183955	9
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Certifications	11
Chain of Custody/Sample Receipt	12



ATC Group Services LLC - West Springfield

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

REPORT DATE: 8/25/2017

PROJECT NUMBER:

PURCHASE ORDER NUMBER:

183EM00170

#### ANALYTICAL SUMMARY

WORK ORDER NUMBER:

17H0513

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

PROJECT LOCATION:

40 Indian Ridge Rd., Westfield

FIELD SAMPLE#	LAB ID:	MATRIX	SAMPLE DESCRIPTION	TEST	SUB LAB	_
40 Indian Ridge Rd Field Blank	17H0513-01	Field Blank		EPA 537		
40 Indian Ridge Rd1	17H0513-02	Drinking Water		EPA 537		
40 Indian Ridge Rd2	17H0513-03	Drinking Water		EPA 537		



#### CASE NARRATIVE SUMMARY

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

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

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

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

Lisa A. Worthington Project Manager

na Westlengton



Project Location: 40 Indian Ridge Rd., Westfield

Sample Description:

Work Order: 17H0513

Date Received: 8/8/2017

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

Sampled: 8/8/2017 16:38

Sample ID: 17H0513-01

Sample Matrix: Field Blank

-			M	liscellaneous Or	ganic Analys	es				
Analyte	Results	RL	MCL/SMC		Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Perfluoroundecanoic acid (PFUnA)	ND	2.0	2	ng/L	ı		EPA 537	8/13/17	8/16/17 20:24	BLM
Perfluorotridecanoic acid (PFTrDA)	ND	2.0	2	ng/L	1		EPA 537	8/13/17	8/16/17 20:24	BLM
Perfluorotetradecanoic acid (PFTA)	ND	2.0	2	ng/L	1		EPA 537	8/13/17	8/16/17 20:24	BLM
Perfluorooctanoic acid (PFOA)	ND.	2.0	2	ng/L	1		EPA 537	8/13/17	8/16/17 20:24	BLM
Perfluorooctanesulfonic acid (PFOS)	ND	2.0	2	ng/L	1		EPA 537	8/13/17	8/16/17 20:24	BLM
Perfluorononanoic acid (PFNA)	ND	2.0	2	ng/L	1		EPA 537	8/13/17	8/16/17 20:24	BLM
Perfluorohexanoic acid (PFHxA)	ND	2.0	2	ng/L	1		EPA 537	8/13/17	8/16/17 20:24	BLM
Perfluorohexanesulfonic acid (PFHxS)	ND	2.0	2	ng/L	I		EPA 537	8/13/17	8/16/17 20:24	BLM
Perfluoroheptanoic acid (PFHpA)	ND	2.0	2	ng/L	i		EPA 537	8/13/17	8/16/17 20:24	BLM
Perfluorododecanoic acid (PFDoA)	ND	2.0	2	ng/L	1		EPA 537	8/13/17	8/16/17 20:24	BLM
Perfluorodecanoic acid (PFDA)	ND	2.0	2	ng/L	1		EPA 537	8/13/17	8/16/17 20:24	BLM
Perfluorobutanesulfonic acid (PFBS)	ND	2.0	2	ng/L	1		EPA 537	8/13/17	8/16/17 20:24	BLM
NEtFOSAA	ND	2.0		ng/L	1		EPA 537	8/13/17	8/16/17 20:24	BLM
NMeFOSAA	ND	2.0		ng/L	1		EPA 537	8/13/17	8/16/17 20:24	BLM
Surrogates		% Re	covery	Recovery Limits	3	Flag/Qual				
13C-PFHxA		121		70-130					8/16/17 20:24	
13C-PFDA		121		70-130					8/16/17 20:24	
d5-NEtFOSAA		129		70-130					8/16/17 20:24	



Project Location: 40 Indian Ridge Rd., Westfield

Sample Description:

Work Order: 17H0513

Date Received: 8/8/2017

Field Sample #: 40 Indian Ridge Rd.-1

Sampled: 8/8/2017 16:53

Sample ID: 17H0513-02 Sample Matrix: Drinking Water

			M	liscellaneous Org	anic Analys	es				
			MCL/SMC	L				Date	Date/Time	
Analyte	Results	RL	MA ORSG	Units	Dilution	Flag/Qual	Method	Prepared	Analyzed	Analyst
Perfluoroundecanoic acid (PFUnA)	ND	2.0	2	ng/L '	1		EPA 537	8/13/17	8/16/17 21:41	BLM
Perfluorotridecanoic acid (PFTrDA)	ND	2.0	2	ng/L	1		EPA 537	8/13/17	8/16/17 21:41	BLM
Perfluorotetradecanoic acid (PFTA)	ND	2.0	2	ng/L	1		EPA 537	8/13/17	8/16/17 21:41	BLM
Perfluorooctanoic acid (PFOA)	4.8	2,0	2	ng/L	1		EPA 537	8/13/17	8/16/17 21:41	BLM
Perfluorooctanesulfonic acid (PFOS)	4.5	2.0	2	ng/L	1		EPA 537	8/13/17	8/16/17 21;41	BLM
Perfluoronomanoic acid (PFNA)	ND	2.0	2	ng/L	I		EPA 537	8/13/17	8/16/17 21:41	BLM
Perfluorohexanoic acid (PFHxA)	3.5	2.0	2	ng/L	I		EPA 537	8/13/17	8/16/17 21:41	BLM
Perfluorohexanesulfonic acid (PFHxS)	8.2	2.0	2	ng/L	1		EPA 537	8/13/17	8/16/17 21:41	BLM
Perfluoroheptanoic acid (PFHpA)	ND	2.0	2	ng/L	ı		EPA 537	8/13/17	8/16/17 21:41	BLM
Perfluorododecanoic acid (PFDoA)	ND	2.0	2	ng/L	I		EPA 537	8/13/17	8/16/17 21:41	BLM
Perfluorodecanoic acid (PFDA)	ND	2.0	2	ng/L	1		EPA 537	8/13/17	8/[6/17 21:41	BLM
Perfluorobutanesulfonic acid (PFBS)	3.4	2.0	2	ng/L	i		EPA 537	8/13/17	8/16/17 21:41	BLM
NEŧFOSAA	ND	2.0		ng/L	ı		EPA 537	8/13/17	8/16/17 21:41	BLM
NMeFOSAA	ND	2.0		ng/L	1		EPA 537	8/13/17	8/16/17 21:41	BLM
Surrogates		% Rec	overy	Recovery Limits		Flag/Qual				
13C-PFHxA		107		70-130					8/16/17 21:41	
13C-PFDA		127		70-130					8/16/17 21:41	
d5-NEtFOSAA		129		70-130					8/16/17 21:41	



Project Location: 40 Indian Ridge Rd., Westfield

Sample Description:

Work Order: 17H0513

Date Received: 8/8/2017

Field Sample #: 40 Indian Ridge Rd.-2

Sampled: 8/8/2017 16:55

Sample ID: 17H0513-03

Sample Matrix: Drinking Water

			M	iscellaneous Org	ganic Analys	es				
			MCL/SMCI	_	•			Date	Date/Time	
Analyte	Results	RL	MA ORSG	Units	Dilution	Flag/Qual	Method	Prepared	Analyzed	Analyst
Perfluoroundecanoic acid (PFUnA)	ND	2.0	2	ng/L	1		EPA 537	8/13/17	8/16/17 21:54	BLM
Perfluorotridecanoic acid (PFTrDA)	ND	2.0	2	ng/L	1		EPA 537	8/13/17	8/16/17 21:54	BLM
Perfluorotetradecanoic acid (PFTA)	ND	2.0	2	ng/L	1		EPA 537	8/13/17	8/16/17 21:54	BLM
Perfluorooctanoic acid (PFOA)	4.0	2.0	2	ng/L	1		EPA 537	8/13/17	8/16/17 21:54	BLM
Perfluorooctanesulfonic acid (PFOS)	4.4	2.0	2	ng/L	ı		EPA 537	8/13/17	8/16/17 21:54	BLM
Perfluorononanoic acid (PFNA)	ND	2.0	2	ng/L	1		EPA 537	8/13/17	8/16/17 21:54	BLM
Perfluorohexanoic acid (PFHxA)	3.3	2,0	2	ng/L	1		EPA 537	8/13/17	8/16/17 21:54	BLM
Perfluorohexanesulfonic acid (PFHxS)	6.9	2.0	2	ng/L	1		EPA 537	8/13/17	8/16/17 21:54	BLM
Perfluoroheptanoic acid (PFHpA)	ND	2.0	2	ng/L	. 1		EPA 537	8/13/17	8/16/17 21:54	BLM
Perfluorododecanoic acid (PFDoA)	ND	2.0	2	ng/L	1		EPA 537	8/13/17	8/16/17 21:54	BLM
Perfluorodecanoic acid (PFDA)	ND	2.0	2	ng/L	1		EPA 537	8/13/17	8/16/17 21:54	BLM
Perfluorobutanesulfonic acid (PFBS)	2.9	2.0	2	ng/L	ı		EPA 537	8/13/17	8/16/17 21:54	BLM
NEIFOSAA	ND	2.0		ng/L	1		EPA 537	8/13/17	8/16/17 21:54	BLM
NMeFOSAA	ND	2,0		ng/L	1		EPA 537	8/13/17	8/16/17 21:54	BLM
Surrogates		% Re	covery	Recovery Limit	3	Flag/Qual				
13C-PFHxA		93.7		70-130					8/16/17 21:54	
13C-PFDA		118		70-130					8/16/17 21:54	
d5-NEtFOSAA		126		70-130					8/16/17 21:54	



#### Sample Extraction Data

Prep Method: EPA 537-EPA 537

Lab Number [Field ID]	Batch	Initial [mL]	Final [mL]	Date	
17H0513-01 [40 Indian Ridge Rd Field Blank]	B183955	250	00.1	08/13/17	
17H0513-02 [40 Indian Ridge Rd1]	B183955	250	1.00	08/13/17	
17H0513-03 [40 Indian Ridge Rd2]	B183955	250	1.00	08/13/17	



#### QUALITY CONTROL

#### Miscellaneous Organic Analyses - Quality Control

Analyte .	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B183955 - EPA 537	•									-
Blank (B183955-BLK1)				Prepared: 08	3/13/17 Analy	zed: 08/15/1	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							
Perfluoroheptanoic acid (PFHpA)	ND	2.0	ng/L							
Perfluorododecanoic acid (PFDoA)	ND	2.0	ng/L							
Perfluorodecanoic acid (PFDA)	ND	2.0	ng/L							
Perfluorobutanesulfonic acid (PFBS)	ND	2.0	ng/L							
NEtFOSAA	ND	2.0	ng/L							
NMeFOSAA	ND	2.0	ng/L							
Surrogate: 13C-PFHxA	47.9		ng/L	40,0		120	70-130			
Surrogate: 13C-PFDA	41.6		ng/L	40.0		104	70-130			
Surrogate: d5-NEtFOSAA	207		ng/L	160		129	70-130			
.CS (B183955-BS1)				Prepared: 08	3/13/17 Analy	zed: 08/16/	17			
Perfluoroundecanoic acid (PFUnA)	25.6	2.0	ng/L	20.0		128	70-130			
Perfluorotridecanoic acid (PFTrDA)	21.1	2.0	ng/L	20,0		105	70-130			
Perfluorotetradecanoic acid (PFTA)	21.5	2.0	ng/L	20.0		107	70-130			
Perfluorooctanoic acid (PFOA)	18.9	2.0	ng/L	20.0		94.6	70-130			•
Perfluorooctanesulfonic acid (PFOS)	20,2	2.0	ng/L	18.5		109	70-130			
Perfluorononanoic acid (PFNA)	16.7	2.0	ng/L	20.0		83.5	70-130			
Perfluorohexanoic acid (PFHxA)	20.4	2.0	ng/L	20.0		102	70-130			
Perfluorohexanesulfonic acid (PFHxS)	18.8	2.0	ng/L	18.2		103	70-130			
Perfluoroheptanoic acid (PFHpA)	18.7	2.0	ng/L	20.0		93.7	70-130			
Perfluorododecanoic acid (PFDoA)	20.8	2.0	ng/L	20.0		104	70-130			
Perfluorodecanoic acid (PFDA)	21.4	2.0	ng/L	20.0		107	70-130			
Perfluorobutanesulfonic acid (PFBS)	18,3	2.0	ng/L	17.7		103	70-130			
NEtFOSAA	22.1	2.0	ng/L	20.0		111	70-130			
NMeFOSAA	21.1	2.0	ng/L	20.0		106	70-130			
Surrogate: 13C-PFHxA	35.9		ng/L	40.0		89.8	70-130			
Surrogate: 13C-PFDA	37.8		ng/L	40.0		94.5	70-130			
Surrogate: d5-NEtFOSAA	167		ng/L	160		105	70-130			



#### 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
<b>ICL</b>	Maximum Contaminant Level

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

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



#### CERTIFICATIONS

#### Certified Analyses included in this Report

Analyte

Certifications

EPA 537 in Drinking Water

Perfluorooctanoic acid (PFOA)

NH,NY

Perfluorooctanesulfonic acid (PFOS)

NH,NY

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

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

	Page1of1		# of Containers	<sup>2</sup> Preservation Code	<sup>3</sup> Container Code	Saldmas sinia Marviossia	O Field Filtered	O Lab to Filter		STEELING STREET	O Field Filtered	O Lab to Filter		"Matrix Codes: GW = Ground Water	WW = Waste Water DW = Drinking Water	A=Air	St.= Studge	O = Other (please	define)	<sup>2</sup> Preservation Codes:	H=HC	n = meunano N = Nitric Acid	B = Sodium Bisulfate	X = Sodium Hydraxide	Thiosulfate O=Other (please	MANA	3 Container Codes: A =: Amber Glass	G = Glass P = Plastic		llz			>======================================
Doc # 381 Rev 1_03242017	39 Spruce Street East Longmeadow, MA 01028		2	Н	\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \	ANALYSIS REQUESTED																			place ne the following rodge to indicate meeths cample concentration	Helph M. Madimus J. J. Ow. C. Clean. 11. High-	ומנוו, ב- בסאי, כ- כופמוו, ט- טווגווטאזו			MILL ANALYTICAL LABORATO		Section of the sectio	11.110
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estlabs.com	Y RECORD	Completion .	10-Day		Required		ğ.	(ery	SEL (J		ğ			ab Maters Cone		n' Ma >	n MO >								Diases use th		=	Special Requirements  MA MCP Requir	MCP Certification Form Required	RCP Certification Form Required	1 1	PWSID #	
http://www.contestlabs.com	CHAIN OF CUSTODY RECORD	equested Turnarount		r, 5-day TAT	Rush Approval Required	☐ 3-Day	□ 4-Day	Data Deliver	PDF S EXCEL		Data Pkg Required:			Composite Grab	×.	×	×	f							res ethers reserve and demand of the state o			gultaments		7		Μď	
ᄕ		E	7-Day	Due Date	A	1-Day	2-Day		Format:	Other	CLP Like	Email To:	Fax To #:	Begiming Ending Data/Time Date/Time	8/8/2017 6.38	8/8/2017 16:53	8/8/2017 16:55									Jian Ridge Rd-2		Detection Limit Reg				other	•
一丁〇九一ル	Phone: 413-525-2332	Fax: 413-525-6405	Email: info@contestlabs.com	ces	73 William Franks Drive, West Springfield, MA		Rd, Westfield	Rd, Westfield		W. 85.1111.11.111.111.111.111.111.111.111.1			ior	Client Sample ID / Description Begi												ige Rd-field blank & 40 Inc		Date/Time: 59:18	1870		Date/Time:	10	
<del></del>	Phone:	Fax: 41	Email:	ATC Group Services	73 William Frank	(413) 781-0070	40 Indian Ridge Rd, Westfield	40 Indian Ridge Rd, Westfield	183EM00170	Rob Smith			Elizabeth O'Connor	Clert Sam	40 Indian Ridge Rd - field blank	40 Indian Ridge Rd - 1	40 Indian Ridge Rd - 2						78210		Ridge Rd-1	37: 40 Indian Rio			5.5				
ellli.	CON-TEST			/ Name:	Address:	Phone:	Nämer			Project Manager:	Con-Test Quote Name/Number:	Invoice Recipient:	Sampled By:	Con:Test Work Order#		. Ož	SO CO								Comments: RUN EPA Method 537: 40 Indian Ridge Rd-1	EXTRACT & HOLD EPA Method 537: 40 Indian Ridge Rd-field blank & 40 Indian Ridge Rd-2 HOLD As, Fe. Hardness, TOC		Relinquished by: (signature)	eceived by signature)	Rednquished by: (signature)	g sived by: (signature)	age	native delight (cianatitue)

Con-Test Quote Name/Number: Invoice Recipient: Sampled By:

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				P		78 5	10,00	
Received By	PB		Date	8·8·17		Time	18:30	······································
How were the samples	In Cooler	<del></del>	No Cooler		On Ice	工	_ No Ice	
received?	Direct from Samp		•		Ambient		_ Melted Ice	
	Direct from our	By Gun#		-	Actual Tem	p-59	_	
Were samples within		•		•	Actual Tem			•
Temperature? 2-6°C		By Blank #	14/	- ere Samples			F	•
Was Custody Seal Intact? Was COC Relinquished?		<u> 758</u>		ere Samples es Chain Agr			7	•
		77	•	#	CC VIIII Ou	inproo.		•
	/leaking/loose caps	OH ally Sam	μισο: - Mere sa		ved within h	olding time?	7-	
Is COC in ink/ Legible Did COC include all	Client	· ~	Analysis	T-		er Name	Т.	•
pertinent Information?		7	ID's	π-		Dates/Times	T 8	- -
Are Sample labels fille	•		•		•			
Are there Lab to Filters		F	•	Who was	s notified?			
Are there Rushes?	<del></del>	F	•	Who was	s notified?			•
Are there Short Holds'	>	F	•	Who was	s notified?			
Is there enough Volum		F F F T	<del>.</del>					
Is there Headspace wi		180 F	- -	MS/MSD?		<del>-</del>		
Proper Media/Contain	ers Used?		-		samples red	quired?	NB	-
Were trip blanks recei		E	_	On COC?	<u>NH</u>			
Do all samples have the			Acid		-	Base		
Viels	s one house							
Unp-	1 Liter Amb.		· — — — — — — — — — — — — — — — — — — —	r Plastic			z Amb.	
HCL-	500 mL Amb.			L Plastic		The second second second	mb/Clear mb/Clear	
Meoh-	250 mL Amb.	<u> </u>		L Plastic	3		mb/Clear	
Bisulfate-	Col./Bacteria		Flashpoint Other Glass			Encore		<b></b>
<u>DI-</u>	Other Plastic SOC Kit			tic Bag		Frozen:		
Thiosulfate-	Perchlorate			olock				
Sulfuric-	Ferchiorate							
			Unused	MEGE				07:25:27
Visia E	Combiners  1 Liter Amb.		1 lite	r Plastic		16 0	oz Amb.	
Unp-	500 mL Amb.			L Plastic			mb/Clear	
HCL- Meoh-	250 mL Amb.			L Plastic			mb/Clear	
Bisulfate-	Col./Bacteria			hpoint		2oz A	mb/Clear	
DI-	Other Plastic		Othe	r Glass			ncore	<u> </u>
Thiosulfate-	SOC Kit			tic Bag	<u> </u>	Frozen:		
Sulfuric-	Perchlorate		Zi	plock				
Comments:					,			
								,
		·	·					
		·						•



# Commonwealth of Massachusetts Executive Office of Energy & Environmental Affairs

# Department of Environmental Protection

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

Charles D. Baker Governor

Karyn E. Polito Lieutenant Governor Matthew A. Beaton Secretary

> Martin Suuberg Commissioner

September 13, 2017

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

RE: Notice of Environmental Sampling

30 Indian Ridge Road

Westfield Private Well Sampling

Dear Robert & Jean Genereux:

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

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

Notice of Environmental Sampling 30 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 informationn contained within, please feel free to contact David Bachand at (413) 755-2221 or Cynthia Pawloski at (413) 755-2247.

Sincerely,

Eva Tor

Deputy Regional Director Bureau of Waste Site Cleanup

V.Ta

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 Zip Code: 01085	,
B. This notice is being provided to the following party:	
1. Name: Robert & Jean Genereux	
2. Street Address: 30 Indian Ridge Road	
City/Town: Westfield Zip Code: 01085	
C. This notice is being given to inform its recipient (the party listed in Section B):	
1. That environmental sampling will be/has been conducted at property owned by the recipient of this notice.	
2. Of the results of environmental sampling conducted at property owned by the recipient of this notice.	
$\sqrt{}$ 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: 30 Indian Ridge Road	
City/Town: Westfield Zip Code: 01085	
2. MCP phase of work during which the sampling will be/has been conducted:	
✓ Immediate Response Action	
☐ Release Abatement Measure ☐ 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 Monito	ring
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 a	t the
time of this notice.	
Drinking water samples were collected from the private well located on the above-referenced	
property and analyzed for PHAS compounds via EPA Method 537.1	*
E. Contact information related to the party providing this notice:	
Contact Name: Department of Environmental Protection	



### 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



August 29, 2017

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

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

Client Job Number:

Project Number: 183EM00170

Laboratory Work Order Number: 17H0504

Keny K. Mille

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

Sincerely,

Kerry K. McGee Project Manager

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ATC Group Services LLC - West Springfield

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

PURCHASE ORDER NUMBER:

REPORT DATE: 8/29/2017

PROJECT NUMBER:

183EM00170

ANALYTICAL SUMMARY

WORK ORDER NUMBER:

17H0504

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

PROJECT LOCATION:

30 Indian Ridge Rd., Westfield, MA

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



#### CASE NARRATIVE SUMMARY

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

EPA 537

#### **Oualifications:**

MS-07

Matrix spike recovery is outside of control limits. Analysis is in control based on laboratory fortified blank recovery. Possiblity of sample matrix effects that lead to low bias for reported result or non-homogeneous sample aliquot cannot be eliminated. Analyte & Samples(s) Qualified:

Perfluorodecanoic acid (PFDA)

B183913-MS1

MS-14

Matrix spike recovery is outside of control limits. Data validation is not affected since sample result is "not detected" and recovery bias is on the high side for this compound, Analyte & Samples(s) Qualified:

NEIFOSAA B183913-MS1

S-19

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

Analyte & Samples(s) Qualified:

13C-PFDA

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

13C-PFHxA

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

S-26

Surrogate outside of control limits.

Analyte & Samples(s) Qualified:

d5-NEtFOSAA B183913-MS1

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

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

Daren J. Damboragian Director of Operations



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

Sample Description:

Work Order: 17H0504

8/13/17 16:52

Date Received: 8/8/2017 Field Sample #: Trip Blank

Sampled: 8/8/2017 07:35

Sample ID: 17H0504-01

d5-NEtFOSAA

Samule Matrix: Trin Blank Water

Samule Matrix: Trin Blank Water									
			Miscellaneous Org	ganic Analys	es				
							Date	Date/Time	
Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Prepared	Analyzed	Analyst
Perfluoroundecanoic acid (PFUnA)	ND	2.0	ng/L	1		EPA 537	8/11/17	8/13/17 16:52	BLM
Perfluorotridecanoic acid (PFTrDA)	ND	2.0	ng/L	1		EPA 537	8/11/17	8/13/17 16:52	BLM
Perfluorotetradecanoic acid (PFTA)	ND	2.0	ng/L	1		EPA 537	8/11/17	8/13/17 16:52	BLM
Perfluorooctanoic acid (PFOA)	ND	2.0	ng/L	1	•	EPA 537	8/11/17	8/13/17 16:52	BLM
Perfluorooctanesulfonic acid (PFOS)	ND	2.0	ng/L	1		EPA 537	8/11/17	8/13/17 16:52	BLM
Perfluorononanoic acid (PFNA)	ND	2.0	ng/L	1		EPA 537	8/11/17	8/13/17 16:52	BLM
Perfluorohexanoic acid (PFHxA)	ND	2.0	ng/L	1		EPA 537	8/11/17	8/13/17 16:52	BLM
Perfluorohexanesulfonic acid (PFHxS)	ND	2.0	ng/L	1		EPA 537	8/11/17	8/13/17 16:52	BLM
Perfluoroheptanoic acid (PFHpA)	ND	2.0	ng/L	1		EPA 537	8/11/17	8/13/17 16:52	BLM
Perfluorododecanoic acid (PFDoA)	ND	2.0	ng/L	1		EPA 537	8/11/17	8/13/17 16:52	BLM
Perfluorodecanoic acid (PFDA)	ND	2.0	ng/L	ŀ		EPA 537	8/11/17	8/13/17 16:52	BLM
Perfluorobutanesulfonic acid (PFBS)	ND	2.0	ng/L	ı		EPA 537	8/11/17	8/13/17 16:52	BLM
NEtFOSAA	ND	2.0	ng/L	1		EPA 537	8/11/17	8/13/17 16:52	BLM
NMeFOSAA	ND	2.0	ng/L	I		EPA 537	8/11/17	8/13/17 16:52	BLM
Surrogates		% Recovery	Recovery Limits	l	Flag/Qual				
13C-PFHxA		99.8	70-130					8/13/17 16:52	
13C-PFDA		108	70-130					8/13/17 16:52	

70-130

118



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

Sample Description:

Work Order: 17H0504

Date Received: 8/8/2017

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

Sampled: 8/8/2017 08:21

Sample ID: 17H0504-02 Sample Matrix: Drinking Water

	•		Miscellaneous Org	anic Analys	es	·		·	
Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Perfluoroundecanoic acid (PFUnA)	ND	2,0	ng/L	1		EPA 537	8/11/17	8/13/17 18:21	BLM
Perfluorotridecanoic acid (PFTrDA)	ND	2.0	ng/L	ı		EPA 537	8/11/17	8/13/17 18:21	BLM
Perfluorotetradecanoic acid (PFTA)	ND	2.0	ng/L	1		EPA 537	8/11/17	8/13/17 18:21	BLM
Perfluorooctanoic acid (PFOA)	ND	2.0	ng/L	1		EPA 537	8/11/17	8/13/17 18:21	BLM
Perfluorooctanesulfonic acid (PFOS)	ND	2.0	ng/L	1		EPA 537	8/11/17	8/13/17 18:21	BLM
Perfluorononanoic acid (PFNA)	ND	2.0	ng/L	1		EPA 537	8/11/17	8/13/17 18:21	BLM
Perfluorohexanoic acid (PFHxA)	ND	2.0	ng/L	1		EPA 537	8/11/17	8/13/17 18:21	BLM
Perfluorohexanesulfonic acid (PFHxS)	ND	2.0	ng/L	1		EPA 537	8/11/17	8/13/17 18:21	BLM
Perfluoroheptanoic acid (PFHpA)	ND	2.0	ng/L	1		EPA 537	8/11/17	8/13/17 18:21	BLM
Perfluorododecanoic acid (PFDoA)	ND	2.0	ng/L	1		EPA 537	8/11/17	8/13/17 18:21	BLM
Perfluorodecanoic acid (PFDA)	ND	2.0	ng/L	1		EPA 537	8/11/17	8/13/17 18:21	BLM
Perfluorobutanesulfonic acid (PFBS)	ND	2.0	ng/L	1		EPA 537	8/11/17	8/13/17 18:21	BLM
NEtFOSAA	ND	2.0	ng/L	1		EPA 537	8/11/17	8/13/17 18:21	BLM
NMeFOSAA	ND	2.0	ng/L	1		EPA 537	8/11/17	8/13/17 18:21	BLM
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
13C-PFHxA		92,7	70-130					8/13/17 18:21	
13C-PFDA		92.2	70-130				•	8/13/17 18:21	
d5-NEtFOSAA		93.3	70-130					8/13/17 18:21	



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

Sample Description:

Work Order: 17H0504

Date Received: 8/8/2017

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

Sampled: 8/8/2017 08:23

Sample ID: 17H0504-03

Sample Matrix: Drinking Water

			Miscellaneous Org	anic Analys	es		<del></del>		
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	8/11/17	8/15/17 19:58	BLM
Perfluorotridecanoic acid (PFTrDA)	ND	2.0	ng/L	1	•	EPA 537	8/11/17	8/15/17 19:58	BLM
Perfluorotetradecanoic acid (PFTA)	ND	2.0	ng/L	1		EPA 537	8/11/17	8/15/17 19:58	BLM
Perfluorooctanoic acid (PFOA)	2.9	2.0	ng/L	1		EPA 537	8/11/17	8/15/17 19:58	BLM
Perfluorooctanesulfonic acid (PFOS)	3,1	2.0	ng/L	1		EPA 537	8/11/17	8/15/17 19:58	BLM
Perfluorononanoic acid (PFNA)	ND	2.0	ng/L	1		EPA 537	8/11/17	8/15/17 19:58	BLM
Perfluorohexanoic acid (PFHxA)	2.6	2.0	ng/L	1		EPA 537	8/11/17	8/15/17 19:58	BLM
Perfluorohexanesulfonic acid (PFHxS)	6.8	2.0	ng/L	1		EPA 537	8/11/17	8/15/17 19:58	BLM
Perfluoroheptanoic acid (PFHpA)	ND	2.0	ng/L	1		EPA 537	8/11/17	8/15/17 19:58	BLM
Perfluorododecanoic acid (PFDoA)	ND	2.0	ng/L	1		EPA 537	8/11/17	8/15/17 19:58	BLM
Perfluorodecanoic acid (PFDA)	ND	2.0	ng/L	1		EPA 537	8/11/17	8/15/17 19:58	BLM
Perfluorobutanesulfonic acid (PFBS)	3,5	2.0	ng/L	ı		EPA 537	8/11/17	8/15/17 19:58	BLM
NEtFOSAA	ND	2.0	ng/L	I		EPA 537	8/11/17	8/15/17 19:58	BLM
NMcFOSAA	ND	2.0	ng/L	1		EPA 537	8/11/17	8/15/17 19:58	BLM
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
13C-PFHxA		61.9 *	70-130		S-19			8/15/17 19:58	
13C-PFDA		52.4 *	70-130		S-19			8/15/17 19:58	
d5-NEtFOSAA		901	70-130					8/15/17 19:58	



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

Sample Description:

116

Work Order: 17H0504

8/15/17 18:28

Date Received: 8/8/2017

d5-NEtFOSAA

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

Sampled: 8/8/2017 08:24

Sample ID: 17H0504-04
Sample Matrix: Drinking Water

			Miscellaneous Org	ganic Analys	es				
Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Perfluoroundecanoic acid (PFUnA)	ND	2.0	ng/L	1		EPA 537	8/11/17	8/15/17 18:28	BLM
Perfluorotridecanoic acid (PFTrDA)	ND	2.0	ng/L	1		EPA 537	8/11/17	8/15/17 18:28	BLM
Perfluorotetradecanoic acid (PFTA)	ND	2,0	ng/L	1		EPA 537	8/11/17	8/15/17 18:28	BLM
Perfluoroactanoic acid (PFOA)	3.5	2.0	ng/L	1		EPA 537	8/11/17	8/15/17 18:28	BLM
Perfluorooctanesulfonic acid (PFOS)	2.5	2.0	ng/L	1		EPA 537	8/11/17	8/15/17 18:28	BLM
Perfluorononanoic acid (PFNA)	ND	2.0	ng/L	1		EPA 537	8/11/17	8/15/17 18:28	BLM
Perfluorohexanoic acid (PFHxA)	2.8	2.0	ng/L	1		EPA 537	8/11/17	8/15/17 18:28	BLM
Perfluorohexanesulfonic acid (PFHxS)	5,0	2.0	ng/L	1		EPA 537	8/11/17	8/15/17 18:28	BLM
Perfluoroheptanoic acid (PFHpA)	ND	2.0	ng/L	ı		EPA 537	8/11/17	8/15/17 18:28	BLM
Perfluorododecanoic acid (PFDoA)	ND	2.0	ng/L	1		EPA 537	8/11/17	8/15/17 18:28	BLM
Perfluorodecanoic acid (PFDA)	ND	2,0	ng/L	ı		EPA 537	8/11/17	8/15/17 18:28	BLM
Perfluorobutanesulfonic acid (PFBS)	2.8	2.0	ng/L	ı		EPA 537	8/11/17	8/15/17 18:28	BLM
NEtFOSAA	ND	2.0	ng/L	1		EPA 537	8/11/17	8/15/17 18:28	BLM
NMeFOSAA	ND	2.0	ng/L	1		EPA 537	8/11/17	8/15/17 18:28	BLM
Surrogates		% Recovery	Recovery Limits	ı	Flag/Qual				
13C-PFHxA		53,4 *	70-130		S-19			8/15/17 18:28	
13C-PFDA		62.0 *	70-130		S-19			8/15/17 18:28	

70-130



### Sample Extraction Data

Prep Method: EPA 537-EPA 537

Lab Number [Field ID]	Batch	Initial [mL]	Final [mL]	Date	
17H0504-01 [Trip Blank]	B183913	250	1.00	08/11/17	
17H0504-02 [30-Indian Ridge Rd Field Blank]	B183913	250	00.1	08/11/17	
17H0504-03 [30-Indian Ridge Rd 1]	B183913	250	00.1	08/11/17	
17H0504-04 [30-Indian Ridge Rd 2]	B183913	250	00.1	08/11/17	



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

### Miscellaneous Organic Analyses - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B183913 - EPA 537										
Blank (B183913-BLK1)	·			Prepared: 08	3/11/17 Anal	yzed: 08/13/	17			
Perfluoroundecanoic acid (PFUnA)	ND	2.0	ng/L							
Perfluorotridecanoic acid (PFTrDA)	ND	2.0	ng/L							
Perfluorotetradecanoic acid (PFTA)	ND	2,0	ng/L							
Perfluorooctanoic acid (PFOA)	ND ·	2.0	ng/L							
Perfluorooctanesulfonic acid (PFOS)	ND	2.0	ng/L							
Perfluorononanoie 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							
NEIFOSAA	ND	2.0	ng/L							
NMeFOSAA	ND	2.0	ng/L			`				
Surrogate: 13C-PFHxA	39.5		ng/L	40.0		98.7	70-130			
Surrogate: 13C-PFDA	44.3		ng/L	40.0		111	70-130			
Surrogate: d5-NEtFOSAA	188		ng/L	160		118	70-130			
LCS (B183913-BS1)				Prepared: 08	8/11/17 Anal	yzed: 08/13/	'17			
Perfluoroundecanoic acid (PFUnA)	2.18	2.0	ng/L	2.00		109	50-150		V	
Perfluorotridecanoic acid (PFTrDA)	2.01	2.0	ng/L	2.00		100	50-150			
Perfluorotetradecanoic acid (PFTA)	2.01	2.0	ng/L	2.00		101	50-150			
Perfluorooctanoic acid (PFOA)	2.20	2.0	ng/L	2,00		110	50-150			
Perfluorooctanesulfonic acid (PFOS)	2,30	2.0	ng/L	1.85		125	50-150			
Perfluorononanoic acid (PFNA)	1.58	2.0	ng/L	2.00		79,2	50-150			
Perfluorohexanoic acid (PFHxA)	1.95	2.0	ng/L	2.00		97.4	50-150			
Perfluorohexanesulfonic acid (PFHxS)	1.74	2.0	ng/L	1.82		95.8	50-150			
Perfluoroheptanoic acid (PFHpA)	1.75	2.0	ng/L	2.00		87,6	50-150			
Perfluorododecanoic acid (PFDoA)	1.80	2.0	ng/L	2.00		89.8	50-150			
Perfluorodecanoic acid (PFDA)	2.13	2.0	ng/L	2.00		106	50-150			
Perfluorobutanesulfonic acid (PFBS)	1.65	2.0	ng/L	1.77		93.3	50-150			
NEtFOSAA	1.59	2.0	ng/L	2.00		79.4	50-150			
NMeFOSAA	1.92	2.0	ng/L	2.00		95.9	50-150			•
Surrogate: 13C-PFHxA	34.0		ng/L	40.0		85. I	70-130			
Surrogate: 13C-PFDA	37.3		ng/L	40.0		93.3	70-130			
Surrogate: d5-NEtFOSAA	169		ng/L	160		105	70-130			
Duplicate (B183913-DUP1)	Sou	rce: 17H0504	-03	Prepared: 08	3/11/17 Anal	yzed: 08/15/	17			
Perfluoroundecanoic acid (PFUnA)	ND	2.0	ng/L		NE	)		NC	30	
Perfluorotridecanoic acid (PFTrDA)	ND	2.0	ng/L		, NE			NC	30	
Perfluorotetradecanoic acid (PFTA)	ND	2.0	ng/L		NE			NC	30	
Perfluorooctanoic acid (PFOA)	3.15	2.0	ng/L		2,89			8.55	30	
Perfluorooctanesulfonic acid (PFOS)	2,81	2.0	ng/L		3.07			8.60	30	
Perfluorononanoic acid (PFNA)	ND	2.0	ng/L		ND			NC	30	
Perfluorohexanoic acid (PFHxA)	2.36	2.0	ng/L		2.62			10.4	30	
Perfluorohexanesulfonic acid (PFHxS)	6.12	2.0	ng/L		6,78			10.2	30	
Perfluoroheptanoic acid (PFHpA)	ND	2.0	ng/L		NE			NC	30	
Perfluorododecanoic acid (PFDoA)	ND	2.0	ng/L		NE			NC	30	
Perfluorodecanoic acid (PFDA)	ND	2.0	ng/L		NE			NC	30	
Perfluorobutanesulfonic acid (PFBS)	3.07	2,0	ng/L		3.55			14.3	30	
NEtFOSAA	ND	2.0	ng/L		NE			NC	30	
NMeFOSAA	ND	2.0	ng/L		- 12			NC	30	



### QUALITY CONTROL

### Miscellaneous Organic Analyses - Quality Control

	<b></b>	Reporting	** *.	Spike	Source	A/DEG	%REC	DDD	RPD	Nistan
Analyte	Result	Limit	Units	Level	Result	%REC	Limits	RPD	Limit	Notes
Batch B183913 - EPA 537		*		· · · · · · · · · · · · · · · · · · ·						
Duplicate (B183913-DUP1)	- Sou	rce: 17H0504-	03	Prepared: 08	3/11/17 Analy:	zed: 08/15/	17			
Surrogate: 13C-PFHxA	23.1		ng/L	40.0		57.8 *	70-130			S-19
Surrogate: 13C-PFDA	21.8		ng/L	40.0		54.4 *	70-130			S-19
Surrogate: d5-NEtFOSAA	174		ng/L	160		109	70-130			
Matrix Spike (B183913-MS1)	Sou	rce: 17H0504-	03	Prepared: 08	3/11/17 Analy:	zed: 08/15/	17			
Perfluoroundecanoic acid (PFUnA)	3.78	2,0	ng/L	4.00	ND	94.5	70-130			
Perfluorotridecanoic acid (PFTrDA)	3,26	2.0	ng/L	4.00	ND	81.5	70-130			
Perfluorotetradecanoic acid (PFTA)	3.47	2.0	ng/L	4.00	ND	86.7	70-130			
Perfluorooctanoic acid (PFOA)	7.08	2.0	ng/L	4.00	2.89	105	70-130			
Perfluorooctanesulfonic acid (PFOS)	7,63	2.0	ng/L	3.70	3.07	123	70-130			
Perfluorononanoic acid (PFNA)	2,99	2.0	ng/L	4.00	ND	74.6	70-130			
Perfluorohexanoic acid (PFHxA)	6.10	2.0	ng/L	4.00	2.62	87.1	70-130			
Perfluorohexanesulfonic acid (PFHxS)	11.4	2.0	ng/L	3.64	6.78	128	70-130			
Perfluoroheptanoic acid (PFHpA)	3.77	2.0	ng/L	4.00	0.861	72.7	70-130			
Perfluorododecanoic acid (PFDoA)	3,27	2.0	ng/L	4,00	ND	81.7	70-130			
Perfluorodecanoic acid (PFDA)	2.53	2.0	ng/L	4.00	ND	63.1 *	70-130			MS-07
Perfluorobutanesulfonic acid (PFBS)	7.47	. 2.0	ng/L	3.54	3.55	111	70-130			
NEtFOSAA	8.73	2.0	ng/L	4.00	ND	218 *	70-130			MS-14
NMeFOSAA	3.09	2.0	ng/L	4,00	ND	77.2	70-130			
Surrogate: 13C-PFHxA	24.1		ng/L	40.0		60.4 *	70-130			S-19
Surrogate: 13C-PFDA	26.3		ng/L	40.0		50.9 *	70-130			S-19
Surrogate: d5-NEtFOSAA	290		ng/L	160		181 *	70-130			S-26



### FLAG/QUALIFIER SUMMARY

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



#### CERTIFICATIONS

### Certified Analyses included in this Report

Analyte

Certifications

EPA 537 in Drinking Water

Perfluorooctanoic acid (PFOA)

NH,NY

Perfluorooctanesulfonic acid (PFOS)

NH,NY

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

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

					Γ	1000				100										Ņ				<b>a</b>					V.S.				ıbl∈	of (	Со
	Page1 of1		# of Containers	<sup>2</sup> Preservation Code	<sup>3</sup> Container Code	<b>"我是这个人,我们就是一个人,我们就是一个人,我们就是一个人,我们就是一个人,我们就是一个人,我们就是一个人,我们就是一个人,我们就是一个人,我们就是一个人,</b>	O Field Filtered	O Lab to Filter	がなり、日本の一般の一般の一般の一般の一般の一般の一般の一般の一般の一般の一般の一般の一般の	Orthophic phate Sam	O Field Filtered	O Lab to Fiter		Matrix Codes: GW = Ground Water	WW = Waste Water	A # Air	SI = Studge	O = Other (please	define)	Preservation Codes:	H=HCL	M = Methanol N = Nitric Acid	S = Sulfuric Acid B = Sodium Bisulfate	X = Sodium Hydroxid	Thiosulfate	define)	Container Codes:	A = Amber crass G = Glass P = blactic	ST = Sterile	V = Vial	S = Summa Camster T = Tedlar Bag	O = Other (please define)			Soxhlet
	39 Spruce Street	t torigalication, and 01020				ANALYSIS REQUESTED																				Prease use the following codes to indicate possible sample concentration within the Conc Code column above:	H - High; M - Medium; L - Low; C - Clean; U - Unknown			ノハリニラノ	AWALTICAL LABORATORY		HEAL DIGGINAL PROPERTY	Other	Chromatogram
Doc # 381 Rev 1_03242017	39		1 2	I	> 4			. 'ss	ONE	JAA!	н 'ә		∀ 7∀	,101			×									lowing codes to indicate possible sam within the Conc Code column above:	kedium; L - Low; (	Pel	Ted Ted	Led Dear		T <sub>3</sub>		[	A L WRTA
Doc #			9	0	a.				-	ФН				Core	×	×	×	×								the followii with	- High; M - N	equirements MA MCP Required	n Form Requi	CT RCP Required	n Form Requi	MA State DW Beautred			ww.k≱ ∏ ∏
stlabs.com	/ RECORD	ound Time	□ æ		paunba			c	ر ا					Matrix		ΜΩ	ΜΩ	ΜĞ								Please use	Ĭ	Special Requirements MA MCP Recuire	MCP Certification Form Required		RCP Certification Form Required	L			cipatity
http://www.contestlabs.com	CHAIN OF CUSTODY RECORD	Requested Turnaround	10-Day	day TAT	Rush-Approval Required	3-Day		Data Delivery	PDF [2] EXCEL		CLP Like Data Pkg Required:	•		Composité Grab		×	×	×		-								amenic	*	P	E E		# GISWA		Winda  -
http:/	- 1	DE-M	7-Day	Due Date: 5-day TAT	Rus	1-Day			Format: PD	Other:	CLP Like Data	Email To:	Fax To #:	Ending Date/Time	7:35	8:21	8:23	8:24								ge Rd-2		Simir Responsaments							covernment
	•													Beginning Date/Time	8/8/2017	8/8/2017	8/8/2017	8/8/2017								30 Indian Ridge Rd-2		Detraction			4		9 E	ct Ent	
	Phone: 413-525-2332	Fax: 413-525-6405	Email: info@contestlabs.com	ices	73 William Franks Drive, West Springfield, MA		Rd, Westfield	Rd, Westfield					Tor	Client Sampte ID / Description		Rd - field blank	Rd - 1	Rd - 2	WATERWAY TO THE							lge Rd-field blank 🕏		Date/Time:	-	8/8/17 1820	Date/Time:	Date/Time:		Date/Time:	
•	Phone:	Fax: 41	Emailt	ATC Group Services	73 William Frank	(413) 781-0070	30 Indian Ridge Rd, Westfield	30 Indian Ridge Rd, Westfield	183EM00170	Rob Smith			Elizabeth O'Connor	Clent Sam	Trip blank	30 Indian Ridge Rd - field blank	30 Indian Ridge Rd - 1	30 Indian Ridge Rd					*			37: 30 Indian Rid			5.5						
4	CON-TEST	- 11		Compainy Namie:	Address:	Phone:	Project Name:	Project Location:	Project Number:	Project Manager:	Con-Test Quote Name/Number:	Invoice Recipient:	Sampled By:	Con-Test Work Order#	Ø	()] (38	80	JO CJ							Comments:	EXTRACT & HOLD EPA Method 537; 30 Indian Ridge Rd-field blank &	HULD As, Fe, Hardness, TOC	Relinquished by: (signature)	(eceiyed by: (signature)	Sell of	elinquished by: (signature)	Leived by: (signature)	• •ag	o inquished by: (signature)	

39 Spruce St.

East Longmeadow, MA. 01028

P: 413-525-2332

F: 413-525-6405

www.contestlabs.com



Doc# 277 Rev 5 2017

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

Client <u>ATC</u> Received By	PB		Date	8.8.17		Time	18:30	
					Onloa		No Ice	
How were the sample	s In Cooler	<u> </u>	No Coole		On Ice	T		
received?	Direct from Samp	oling .		<del>-</del>	Ambient _		_ Melted Ice	
Were samples within	1	By Gun#	1	_	Actual Temp	<u> 9.5-9</u>		-
Temperature? 2-6°C		By Blank #			Actual Temp	) -		_
Was Custody		_NB		ere Sample:	s Tampered v	with?	F	_
Was COC Re					ree With San		7	_
	/leaking/loose caps		ples?	F			. `	
Is COC in ink/ Legible		•	Were sa		ved within ho	Iding time?	T	_
Did COC include all	Client	· ~~	Analysis	7	Sample	r Name	_T :	_
pertinent Information	? Project	$\tau$	ID's	Τ	Collection I	Dates/Time	s	<b>.</b>
Are Sample labels fill								
Are there Lab to Filter		F		Who was	s notified?			_
Are there Rushes?				Who was	s notified?			_
Are there Short Holds	?	F		Who was	s notified?			_
Is there enough Volun		7 180 F			_			
Is there Headspace w		780 E		MS/MSD?	AC/I			
Proper Media/Contain		7			samples requ	uired?	NB	_
Were trip blanks recei		F		On COC?			•	
Do all samples have to			Acid	7		Base		_
AD A STAN AND ADDRESS OF THE PARTY OF THE PA	TE CONTRINCTS				F. 45			31
Vials ∉ Unp-	1 Liter Amb.		1 Lite	r Plastic		16 c	z Amb.	
HCL-	500 mL Amb.			L Plastic		8oz A	mb/Clear	
Meoh-	250 mL Amb.		250 m	L Plastic	3	4oz A	mb/Clear	
Bisulfate-	Col./Bacteria		Flas	hpoint		2oz A	mb/Clear	
DI-	Other Plastic		Othe	r Glass		Er	ncore	
Thiosulfate-	SOC Kit		Plas	tic Bag		Frozen:		1
Sulfuric-	Perchlorate		Zir	olock				
			Unused	Media				
Vialis A	(Somicifiers)							
Unp-	1 Liter Amb.		1 Lite	r Plastic		16 c	z Amb.	
HCL-	500 mL Amb.			L Plastic			mb/Clear	
Meoh-	250 mL Amb.			L Plastic			mb/Clear	ļ
Bisulfate-	Col./Bacteria			hpoint			mb/Clear	<u> </u>
DI-	Other Plastic			r Glass			ncore	<u> </u>
Thiosulfate-	SOC Kit	<u> </u>		tic Bag		Frozen:		
Sulfuric-	Perchlorate		Zir	olock				
Comments:								
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# Commonwealth of Massachusetts Executive Office of Energy & Environmental Affairs

## Department of Environmental Protection

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

Charles D. Baker Governor

Karyn E. Polito Lieutenant Governor Matthew A. Beaton Secretary

> Martin Suuberg Commissioner

September 13, 2017

James Reed 1343 Southampton Road Westfield, MA 01085

RE: Notice of Environmental Sampling

1343 Southampton Road

Westfield Private Well Sampling

Dear Mr. Reed:

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

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

Printed on Recycled Paper

Notice of Environmental Sampling 1343 Southampton Road Westfield, RTN: 1-20093

Page 2 of 2

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

Sincerely,

Eva Tor

Deputy Regional Director Bureau of Waste Site Cleanup

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

<sup>&</sup>lt;sup>1</sup> 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

11010000		aomi	11011
1	-	2009	3

### 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 the	nis Notice and Release Tracking Number (provided above):
Street Address: 175 Falcon Drive	1.
City/Town: Westfield Z	ip Code: <u>01085</u>
B. This notice is being provided to the followin	g party:
1. Name: James Reed	
Street Address: 1343 Southampton Road	
	ip Code: 01085
C. This notice is being given to inform its recip	pient (the party listed in Section B):
1. That environmental sampling will be/has	s been conducted at property owned by the recipient of this notice.
2. Of the results of environmental sampling	g conducted at property owned by the recipient of this notice.
3. Check to indicate if the analytical result the environmental sampling must be attac	s are attached. (If item 2. above is checked, the analytical results from hed to this notice.)
D. Location of the property where the environn	nental sampling will be/has been conducted:
Street Address: 1343 Southampton Road	·
City/Town: Westfield Z	ip Code: <u>01085</u>
2. MCP phase of work during which the sampling	will be/has been conducted:
Immediate Response Action	Phase III Feasibility Evaluation
☐ Release Abatement Measure ☐ Utility-related Abatement Measure	☐ Phase IV Remedy Implementation Plan ☐ Phase V/Remedy Operation Status
<ul><li>☐ Phase I Initial Site Investigation</li><li>☐ Phase II Comprehensive Site Assessment</li></ul>	☐ Post-Temporary Solution Operation, Maintenance and Monitoring ☐ Other
Triase ii comprehensive dite Assessment	(specify)
Description of property where sampling will be	
☑ residential ☐ commercial ☐ in	ndustrialschool/playgroundOther(specify)
Description of the sampling locations and types time of this notice.	(e.g., soil, groundwater, indoor air, soil gas) to the extent known at the
Drinking water samples were collected fro	m the private well located on the above-referenced
property and analyzed for PHAS compour	nds via EPA Method 537.1
E. Contact information related to the party prov	
Contact Name: Department of Environmental Pro	otection
Street Address: 436 Dwight Street	
	Zip Code: 01103 Email: david.bachand.jr@state.ma.us
releptione: (TTO) 100-2221	Email. davabaonana, motato mata



## **Massachusetts Department of Environmental Protection**

Bureau of Waste Site Cleanup

### **BWSC123**

This Notice is Related to: Release Tracking Number

1
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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



August 25, 2017

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

Project Location: 1343 Southampton Rd., Westfield

Client Job Number:

Project Number: 183EM00170

Laboratory Work Order Number: 17H0511

Keny K. Mille

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

Sincerely,

Kerry K. McGee Project Manager

### **Table of Contents**

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B183955	9
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ATC Group Services LLC - West Springfield

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

REPORT DATE: 8/25/2017

PROJECT NUMBER:

PURCHASE ORDER NUMBER:

183EM00170

ANALYTICAL SUMMARY

WORK ORDER NUMBER:

17H0511

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

PROJECT LOCATION:

1343 Southampton Rd., Westfield

FIELD SAMPLE#	LAB ID:	MATRIX	SAMPLE DESCRIPTION	TEST	SUB LAB
1343 Southampton Rd Field Blank	17H0511-01	Field Blank		EPA 537	
1343 Southampton Rd1	17H0511-02	Drinking Water ,		EPA 537	
1343 Southampton Rd2	17H0511-03	Drinking Water		EPA 537	



### CASE NARRATIVE SUMMARY

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

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

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

Lisa A. Worthington Project Manager

na Wattheasta



Project Location: 1343 Southampton Rd., Westfield

Sample Description:

Work Order: 17H0511

Date Received: 8/8/2017

Field Sample #: 1343 Southampton Rd.- Field Blank

Sampled: 8/8/2017 14:31

Sample ID: 17H0511-01

Sample Matrix: Field Blank

			M	iscellaneous Org	ganic Analys	es				
			MCL/SMCI	ւ				Date	Date/Time	
Analyte	Results	RL	MA ORSG	Units	Dilution	Flag/Qual	Method	Prepared	Analyzed	Analyst
Perfluoroundecanoic acid (PFUnA)	ND	2.0	2	ng/L	1		EPA 537	8/[3/17	8/16/17 19:59	BLM
Perfluorotridecanoic acid (PFTrDA)	ND	2.0	2	ng/L	1		EPA 537	8/13/17	8/16/17 19:59	BLM
Perfluorotetradecanoic acid (PFTA)	ND	2.0	2	ng/L	1		EPA 537	8/13/17	8/16/17 19:59	BLM
Perfluorooctanoic acid (PFOA)	ND	2.0	2	ng/L	1		EPA 537	8/13/17	8/16/17 19:59	BLM
Perfluorooctanesulfonic acid (PFOS)	ND	2.0	2	ng/L	1		EPA 537	8/13/17	8/16/17 19:59	BLM
Perfluorononanoic acid (PFNA)	ND	2.0	2	ng/L	1		EPA 537	8/13/17	8/16/17 19:59	BLM
Perfluorohexanoic acid (PFHxA)	ND	2.0	2	ng/L	1		EPA 537	8/13/17	8/16/17 19:59	BLM
Perfluorohexanesulfonic acid (PFHxS)	ND	2.0	2	ng/L	1		EPA 537	8/13/17	8/16/17 19:59	BLM
Perfluoroheptanoic acid (PFHpA)	ND	2.0	2	ng/L	i		EPA 537	8/13/17	8/16/17 19:59	BLM
Perfluorododecanoic acid (PFDoA)	ND	2.0	2	ng/L	i		EPA 537	8/13/17	8/16/17 19:59	BLM
Perfluorodecanoic acid (PFDA)	ŇD	2.0	2	ng/L	1		EPA 537	8/13/17	8/16/17 19:59	BLM
Perfluorobutanesulfonic acid (PFBS)	ND	2.0	2	ng/L	1		EPA 537	8/13/17	8/16/17 19:59	BLM
NEIFOSAA	ND	2.0		ng/L	1		EPA 537	8/13/17	8/16/17 19:59	BLM
NMeFOSAA	ND	2.0		ng/L	1		EPA 537	8/13/17	8/16/17 19:59	BLM
Surrogates		% Re	covery	Recovery Limit	· ·	Flag/Qual				
13C-PFHxA		104		70-130					8/16/17 19:59	
13C-PFDA		123		70-130		•			8/16/17 19:59	
d5-NEtFOSAA		129		70-130					8/16/17 19:59	



Project Location: 1343 Southampton Rd., Westfield

Sample Description:

Work Order: 17H0511

Date Received: 8/8/2017

Field Sample #: 1343 Southampton Rd.-1

Sampled: 8/8/2017 14:35

Sample ID: 17H0511-02 Sample Matrix: Drinking Water

			N	Miscellaneous Org	ganic Analys	es				
			MCL/SMC	EL.				Date	Date/Time	
Analyte	Results	RL	MA ORSO	G Units	Dilution	Flag/Qual	Method	Prepared	Analyzed	Analyst
Perfluoroundecanoic acid (PFUnA)	ND	2,0	2	ng/L	L		EPA 537	8/13/17	8/16/17 20:50	BLM
Perfluorotridecanoic acid (PFTrDA)	ND	2.0	2	ng/L	1		EPA 537	8/13/17	8/16/17 20:50	BLM
Perfluorotetradecanoic acid (PFTA)	ND	2.0	2	ng/L	I		EPA 537	8/13/17	8/16/17 20:50	BLM
# Perfluorooctanoic acid (PFOA)	5.6	2.0	2	ng/L	į.		EPA 537	8/13/17	8/16/17 20:50	BLM
# Perfluorooctanesulfonic acid (PFOS)	4.7	2.0	2	ng/L	i		EPA 537	8/13/17	8/16/17 20:50	BLM
Perfluorononanoic acid (PFNA)	ND	2.0	2	ng/L	i		EPA 537	8/13/17	8/16/17 20:50	BLM
Perfluorohexanoic acid (PFHxA)	5.7	2.0	2	ng/L	i		EPA 537	8/13/17	8/16/17 20:50	BLM
# Perfluorohexanesulfonic acid (PFHxS)	8.3	2.0	2	ng/L	ı		EPA 537	8/13/17	8/16/17 20:50	BLM
Perfluoroheptanoic acid (PFHpA)	ND	2,0	2	ng/L	1		EPA 537	8/13/17	8/16/17 20:50	BLM
Perfluorododecanoic acid (PFDoA)	ND	2.0	2	ng/L	i		EPA 537	8/13/17	8/16/17 20:50	BLM
Perfluorodecanoic acid (PFDA)	ND	2.0	2	ng/L	i		EPA 537	8/13/17	8/16/17 20:50	BLM
Perfluorobutanesulfonic acid (PFBS)	2,3	2.0	2	ng/L	1		EPA 537	8/13/17	8/16/17 20:50	BLM
NEIFOSAA	ND	2.0		ng/L	ı		EPA 537	8/13/17	8/16/17 20:50	BLM
NMeFOSAA	ND	2.0	•	ng/L	i		EPA 537	8/13/17	8/16/17 20:50	BLM
Surrogates		% Rec	overy	Recovery Limits		Flag/Qual				
13C-PFHxA		124		70-130				· · · · · · · · · · · · · · · · · · ·	8/16/17 20:50	
13C-PFDA		112		70-130					8/16/17 20:50	
d5-NEtFOSAA		93.3		70-130					8/16/17 20:50	



Project Location: 1343 Southampton Rd., Westfield

Sample Description:

Work Order: 17H0511

Date Received: 8/8/2017

Field Sample #: 1343 Southampton Rd.-2

Sampled: 8/8/2017 14:37

Sample ID: 17H0511-03

Sample Matrix: Drinking Water

			M	iscellaneous Or	ganic Analys	es				
			MCL/SMCI					Date	Date/Time	
Analyte	. Results	RL	MA ORSG	Units	Dilution	Flag/Qual	Method	Prepared	Analyzed	Analyst
Perfluoroundecanoic acid (PFUnA)	ND	2.0	2	ng/L	1		EPA 537	8/13/17	8/16/17 21:03	BLM
Perfluorotridecanoic acid (PFTrDA)	ND	2.0	2	ng/L	1		EPA 537	8/13/17	8/16/17 21:03	BLM
Perfluorotetradecanoic acid (PFTA)	ND	2.0	2	ng/L	1		EPA 537	8/13/17	8/16/17 21:03	BLM
# Perfluorooctanoic acid (PFOA)	5.3	2.0	2	ng/L	1		EPA 537	8/13/17	8/16/17 21:03	BLM
# Perfluorooctanesulfonic acid (PFOS)	3.9	2.0	2	ng/L	1		EPA 537	8/13/17	8/16/17 21:03	BLM
Perfluorononanoic acid (PFNA)	ND	2.0	2	ng/L	1		EPA 537	8/13/17	8/16/17 21:03	BLM
# Perfluorohexanoic acid (PFHxA)	4.7	2.0	2	ng/L	1		EPA 537	8/13/17	8/16/17 21:03	BLM
# Perfluorohexanesulfonic acid (PFHxS)	5,6	2.0	2	ng/L	1		EPA 537	8/13/17	8/16/17 21:03	BLM
Perfluoroheptanoic acid (PFHpA)	ND .	2.0	2	ng/L	į.		EPA 537	8/13/17	8/16/17 21:03	BLM
Perfluorododecanoic acid (PFDoA)	ND	2.0	2	ng/L	ł		EPA 537	8/13/17	8/16/17 21:03	BLM
Perfluorodecanoic acid (PFDA)	ND	2.0	2	ng/L	1		EPA 537	8/13/17	8/16/17 21:03	BLM
Perfluorobutanesulfonic acid (PFBS)	ND	2.0	2	ng/L	1		EPA 537	8/13/17	8/16/17 21:03	BLM
NEtFOSAA	ND	2.0		ng/L	1		EPA 537	8/13/17	8/16/17 21:03	BLM
NMeFOSAA	ND	2.0		ng/L	1		EPA 537	8/13/17	8/16/17 21:03	BLM
Surrogates		% Re	covery	Recovery Limit	s	Flag/Qual				
13C-PFHxA		89.3		70-130					8/16/17 21:03	
13C-PFDA		116		70-130					8/16/17 21:03	
d5-NEtFOSAA		104		70-130					8/16/17 21:03	



### Sample Extraction Data

Prep Method: EPA 537-EPA 537

Lab Number [Field ID]	Batch	Initial [mL]	Final [mL]	Date	
17H0511-01 [1343 Southampton Rd Field Blank]	B183955	250	1.00	08/13/17	
17H0511-02 [1343 Southampton Rd1]	B183955	250	1.00	08/13/17	
17H0511-03 [1343 Southampton Rd2]	B183955	250	1,00	08/13/17	



### QUALITY CONTROL

### Miscellaneous Organic Analyses - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Attacyce	Result	Limit	Ollis	Level	Result	70REC	15111103	МЪ	Lillin	110103
Batch B183955 - EPA 537										
Blank (B183955-BLK1)				Prepared: 08	3/13/17 Analy	yzed: 08/15/	17			
Perfluoroundecanoic acid (PFUnA)	ND	2.0	ng/L							
Perfluorotridecanoic acid (PFTrDA)	ND	2.0	ng/L							
Perfluorotetradecanoic acid (PFTA)	ND	2.0	ng/L							
Perfluorooctanoic acid (PFOA)	ND	2.0	ng/L							
Perfluorooctanesulfonic acid (PFOS)	ND	2.0	ng/L							
Perfluorononanoic acid (PFNA)	ND	2.0	ng/L							
Perfluorohexanoic acid (PFHxA)	ND	2.0	ng/L							
Perfluorohexanesulfonic acid (PFHxS)	ND	2.0	ng/L							
Perfluoroheptanoic acid (PFHpA)	ND	2.0	ng/L							
Perfluorododecanoic acid (PFDoA)	ND	2.0	ng/L							
Perfluorodecanoic acid (PFDA)	ND	2.0	ng/L							
Perfluorobutanesulfonic acid (PFBS)	ND	2.0	ng/L							
NEtFOSAA	ND	2.0	ng/L			-				
MeFOSAA	ND	2.0	ng/L							
Surrogate: 13C-PFHxA	47.9		ng/L	40,0		120	70-130			
Surrogate: 13C-PFDA	41.6		ng/L	40.0		104	70-130			
Surrogate: d5-NEtFOSAA	207		ng/L	160		129	70-130			
CS (B183955-BS1)				Prepared: 08	3/13/17 Anal	yzed: 08/16/	17			
Perfluoroundecanoic acid (PFUnA)	25.6	2.0	ng/L	20.0		128	70-130			
Perfluorotridecanoic acid (PFTrDA)	21.1	2.0	ng/L	20,0		105	70-130			
Perfluorotetradecanoic acid (PFTA)	21.5	2.0	ng/L	20,0		107	70-130			
Perfluorooctanoic acid (PFOA)	18.9	2,0	ng/L	20.0		94.6	70-130			
Perfluorooctanesulfonic acid (PFOS)	20.2	2.0	ng/L	18.5		109	70-130			
Perfluorononanoic acid (PFNA)	16.7	2.0	ng/L	20.0		83.5	70-130			
Perfluorohexanoic acid (PFHxA)	20.4	2.0	ng/L	20.0		102	70-130			
Perfluorohexanesulfonic acid (PFHxS)	18.8	2.0	ng/L	18.2		103	70-130			
Perfluoroheptanoic acid (PFHpA)	18.7	2.0	ng/L	20.0		93.7	70-130			
Perfluorododecanoic acid (PFDoA)	20.8	2.0	ng/L	20,0		104	70-130			
Perfluorodecanoic acid (PFDA)	21.4	2.0	ng/L	20.0		107	70-130			
Perfluorobutanesulfonic acid (PFBS)	18.3	2.0	ng/L	17.7		103	70-130			
NEtFOSAA	22.1	2.0	ng/L	20.0		111	70-130			
MeFOSAA	21.1	2.0	ng/L	20.0		106	70-130		*	
urrogate: 13C-PFHxA	35.9		ng/L	40.0		89.8	70-130		······································	
Surrogate: 13C-PFDA	37.8		ng/L	40.0		94.5	70-130			
Surrogate: d5-NEtFOSAA	167		ng/L	160		105	70-130			



### FLAG/QUALIFIER SUMMARY

*	QC result is outside of established	i iimits.

† Wide recovery limits established for difficult compound.

‡ Wide RPD limits established for difficult compound.

# Data exceeded client recommended or regulatory level

ND Not Detected

RL Reporting Limit

DL Method Detection Limit

MCL Maximum Contaminant Level

Percent recoveries and relative percent differences (RPDs) are determined by the software using values in the

calculation which have not been rounded.

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



### CERTIFICATIONS

### Certified Analyses included in this Report

Analyte

Certifications

EPA 537 in Drinking Water

Perfluorooctanoic acid (PFOA)

NH,NY

Perfluorooctanesulfonic acid (PFOS)

NH,NY

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

Code	Description	Number	Expires
AIHA	AIHA-LAP, LLC - 18017025:2005	100033	02/1/2018
MA	Massachusetts DEP	M-MA100	06/30/2018
CT	Connecticut Department of Public Health	PH-0567	09/30/2017
NY	New York State Department of Health	10899 NELAP	04/1/2018
NH-S	New Hampshire Environmental Lab	2516 NELAP	02/5/2018
RI	Rhode Island Department of Health	LAO00112	12/30/2017
NC	North Carolina Div. of Water Quality	652	12/31/2017
NJ	New Jersey DEP	MA007 NELAP	06/30/2018
FL	Florida Department of Health	E871027 NELAP	06/30/2018
VT	Vermont Department of Health Lead Laboratory	LL015036	07/30/2018
ME	State of Maine	2011028	06/9/2019
VA	Commonwealth of Virginia	460217	[2/14/2017
NH-P	New Hampshire Environmental Lab	2557 NELAP	09/6/2017
VT-DW	Vermont Department of Health Drinking Water	VT-255716	06/12/2018
NC-DW	North Carolina Department of Health	25703	07/31/2018

System Metals Samples solemis sinuesculdoinate <sup>2</sup> Preservation Codes: X = Sodium Hydroxide T = Sodium S = Sulfuric Acid B = Sodium Bisulfate DW = Drinking Water GW = Ground Water WW = Waste Water S = Summa Canister 3 Container Codes: Page \_\_1\_\_ of \_\_\_1\_\_ T = Tedlar Bag O = Other (please 0 = Other (please O = Other (please Von Soxhlet A = Amber Glass PCB ONLY Soxfilet Matrix Codes: <sup>2</sup> Preservation Code O Field Filtered N = Nitric Acid O Field Filtered P = Plastic ST = Sterile O Lab to Filter O Lab to Filter M = Methanol Container Code S = Soil SL = Sludge SOL = Solid Thiosulfate TRIZMA V = Vial # of Containers G = Glass define) define) define) H-H A = Air Please use the following codes to indicate possible sample concentration Chromatogram www.contestabs.com 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 Doc # 381 Rev 1\_03242017 WRTA Œ > MA MCP Required MCP Certification Form Required CT RCP Required RCP Certification Form Required × ۵. TOTAL As, Fe, HARDNESS, TOC MWRA School MA State DW Required MBTA Special Requirements 0 ۵ EPA METHOD 537 × × × 9 9 9  $\Rightarrow$ **>** ⊃ http://www.contestlabs.com CHAIN OF CUSTODY RECORD Matrix  $\Box$ Rich Approval Required ₹ š ž Municipality Brownfield # QISMd 10-Day 3-Day EXCEL 4-Day 965 CLP Like Data Pkg Required: J × × × Composite Date don timit Requirements Due Date: 5-day TAT PDF [7] EXTRACT & HOLD EPA Method 537: 1343 Southampton Rd-field blank & 1343 Southampton Rd-2 Government Email To: Ending Date/Time 工浴 T6:F1 Fax To #: 「ジュ Federal Format: Other: 7-Day I-Day 2-Day Š Project Entity ather 8/8/2017 8/8/2017 8/8/2017 5 714 73 William Franks Drive, West Springfield, MA 17H0511 Email: info@contestlabs.com 1820 18:30 1343 Southampton Rd - field blank 1343 Southampton Rd, Westfield 1343 Southampton Rd, Westfield Cient Sample ID / Description Date/Tlme: 8/8//7 Fax: 413-525-6405 Date/Time: Date/Time: 8 Date/Time: Date/Time: 1343 Southampton Rd - 2 1343 Southampton Rd - 1 ATC Group Services Elizabeth O'Connol (413) 781-0070 RUN EPA Method 537: 1343 Southampton Rd-1 183EM00170 5 Rob Smith Con-Test Quote Name/Number: CON-TEST\* HOLD As, Fe, Hardness, TOC Relinguished by: (signature) Inquished by: (signature) quished by: (signature) by: (signature) ved by: (signature) ved by: (signature) Con Test Work Order# Polemon Ø Ø Invoice Recipient: e-intervalientines Project Manager: Project Location: Project Number: a of each hallen Sampled By Comments: පු 4ddress: Phone: Page 12 of 13

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

YY AS O CASION Y COM INTERCE.	No Ice  Melted Ice  F					
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  Direct from Sampling  By Gun #   Actual Temp - 5.9  Actual Temp - Were Samples Tampered with?  Does Chain Agree With Samples?  Were samples received within holding time?  Sampler Name	Melted Ice					
Were samples within Temperature? 2-6°C  Was Custody Seal Intact?  Was COC Relinquished?  Are there broken/leaking/loose caps on any samples?  By Gun # 1						
Were samples within  Temperature? 2-6°C  Was Custody Seal Intact?  Was COC Relinquished?  Are there broken/leaking/loose caps on any samples?  By Blank #  Were Samples Tampered with?  Does Chain Agree With Samples?  Were samples received within holding time?  Did COC include all  Client  Analysis  Sampler Name						
Was Custody Seal Intact?  Was COC Relinquished?  Are there broken/leaking/loose caps on any samples?  Seamples Tampered with?  Does Chain Agree With Samples?  Were samples received within holding time?  Were samples received within holding time?  Analysis T Sampler Name						
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 there broken/leaking/loose caps on any samples?  Is COC in ink/ Legible?  Did COC include all Client  Analysis  Sampler Name						
Is COC in ink/ Legible? Were samples received within holding time? Did COC include all Client Analysis Sampler Name Other time Datas Client						
Did COC include all Client T Analysis T Sampler Name						
Did Good include dir	<del>- ` ,</del>					
pertinent information?						
a constituted filled out and legisla?						
Are Sample labels filled out and legible? Who was notified?						
Vie there rap to 1 more:	<del> </del>					
Ale tilete 1/03/163:						
	<del></del>					
	NA					
1 10 0 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1						
West tip blanks received.						
Do all samples have the brober but:						
Vals # Containers # 1 Liter Plastic 16 oz	Amb					
Onp-						
HCL- COUNTY AND A STATE OF THE	***					
Wiedii-	b/Clear					
Disditate- Cott, Datatoria						
DI- Other Plastic Other Glass End Thiosulfate- SOC Kit Plastic Bag Frozen;						
Sulfuric- Perchlorate Ziplock						
Unused Media						
Vials   #   #     Upp-   1 Liter Amb.   1 Liter Plastic   16 oz	Amb.					
OTP TERMINE	b/Clear					
Mot-	ıb/Clear					
	b/Clear					
	core					
Thiosulfate- SOC Kit Plastic Bag Frozen:						
Sulfuric- Perchlorate Ziplock						
Comments:						



# Commonwealth of Massachusetts Executive Office of Energy & Environmental Affairs

## Department of Environmental Protection

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

Charles D. Baker Governor

Karyn E. Polito Lieutenant Governor Matthew A. Beaton Secretary

> Martin Suuberg Commissioner

September 13, 2017

Semen Kovalyuk 247 Buck Pond Road Westfield, MA 01085

RE: Notice of Environmental Sampling

247 Buck Pond Road

Westfield Private Well Sampling

Dear Semen Kovalyuk:

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

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

Notice of Environmental Sampling 247 Buck Pond Road Westfield, RTN: 1-20093 Page 2 of 2

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

Sincerely,

Eva Tor

Deputy Regional Director Bureau of Waste Site Cleanup

(V.Ta

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

<sup>&</sup>lt;sup>1</sup> 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 Zip Code: 01085
B. This notice is being provided to the following party:
1. Name: Semen Kovalyuk
2. Street Address: 247 Buck Pond Road
City/Town: Westfield Zip Code: 01085
C. This notice is being given to inform its recipient (the party listed in Section B):
1. That environmental sampling will be/has been conducted at property owned by the recipient of this notice.
√ 3. Check to indicate if the analytical results are attached. (If item 2. above is checked, the analytical results from
the environmental sampling must be attached to this notice.)
D. Location of the property where the environmental sampling will be/has been conducted:
1. Street Address: 247 Buck Pond Road
City/Town: Westfield Zip Code: 01085
MCP phase of work during which the sampling will be/has been conducted:
✓ Immediate Response Action
Release Abatement Measure Phase IV Remedy Implementation Plan
<ul> <li>☐ Utility-related Abatement Measure</li> <li>☐ Phase V/Remedy Operation Status</li> <li>☐ Phase I Initial Site Investigation</li> <li>☐ Post-Temporary Solution Operation, Maintenance and Monitoring</li> </ul>
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.
Drinking water samples were collected from the private well located on the above-referenced
property and analyzed for PHAS compounds via EPA Method 537.1
E. Contact information related to the party providing this notice:
Contact Name: Department of Environmental Protection
Street Address: 436 Dwight Street
City/Town: Springfield Zip Code: 01103
Telephone: (413) 755-2221 Email: david.bachand.jr@state.ma.us



## Massachusetts Department of Environmental Protection

Bureau of Waste Site Cleanup

#### **BWSC123**

This Notice is Related to: Release Tracking Number

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.

Page 2 of 2 Revised: 5/30/2014



August 31, 2017

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

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

Client Job Number:

Project Number: 183EM00170

Laboratory Work Order Number: 17H0505

Keny K. Mille

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

Sincerely,

Kerry K. McGee Project Manager

### **Table of Contents**

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ATC Group Services LLC - West Springfield

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

PURCHASE ORDER NUMBER:

REPORT DATE: 8/31/2017

PROJECT NUMBER: 183EM00170

ANALYTICAL SUMMARY

WORK ORDER NUMBER:

17H0505

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

PROJECT LOCATION:

247 Buck Pond Rd., Westfield, MA

FIELD SAMPLE#	LAB ID:	MATRIX	SAMPLE DESCRIPTION	TEST	SUB LAB
247 Buck Pond Rd Field Blank	17H0505-01	Field Blank		EPA 537	
247 Buck Pond Rd1	17H0505-02	Drinking Water		EPA 537	
247 Buck Pond Rd2	17H0505-03	Drinking Water		EPA 537	



#### CASE NARRATIVE SUMMARY

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

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

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

Daren J. Damboragian Director of Operations



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

Sample Description:

Work Order: 17H0505

Date Received: 8/8/2017

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

Sampled: 8/8/2017 09:34

Sample ID: 17H0505-01
Sample Matrix: Field Blank

			M	iscellaneous Org	ganic Analys	es				
			MCL/SMCI	5				Date	Date/Time	
Analyte	Results	RL	MA ORSG	Units	Dilution	Flag/Qual	Method	Prepared	Analyzed	Analyst
Perfluoroundecanoic acid (PFUnA)	ND .	2.0	2	ng/L	1		EPA 537	8/13/17	8/15/17 21:27	BLM
Perfluorotridecanoic acid (PFTrDA)	ND	2.0	2	ng/L	i		EPA 537	8/13/17	8/15/17 21:27	BLM
Perfluorotetradecanoic acid (PFTA)	ND	2.0	2	ng/L	j		EPA 537	8/13/17	8/15/17 21:27	BLM
Perfluorooctanoic acid (PFOA)	ND	2.0	2	ng/L	1		EPA 537	8/13/17	8/15/17 21:27	BLM
Perfluorooctanesulfonic acid (PFOS)	ND	2.0	2	ng/L	1		EPA 537	8/13/17	8/15/17 21:27	BLM
Perfluorononanoic acid (PFNA)	ND	2.0	2	ng/L	1		EPA 537	8/13/17	8/15/17 21:27	BĻM
Perfluoroliexanoic acid (PFHxA)	ND	2,0	2	ng/L	1		EPA 537	8/13/17	8/15/17 21:27	BLM
Perfluorohexanesulfonic acid (PFHxS)	ND	2.0	2	ng/L	1		EPA 537	8/13/17	8/15/17 21:27	BLM
Perfluoroheptanoic acid (PFHpA)	ND	2.0	2	ng/L	1		EPA 537	8/13/17	8/15/17 21:27	BLM
Perfluorododecanoic acid (PFDoA)	ND	2.0	2	ng/L	i		EPA 537	8/13/17	8/15/17 21:27	BLM
Perfluorodecanoic acid (PFDA)	ND	2.0	2	ng/L	1		EPA 537	8/13/17	8/15/17 21:27	BLM
Perfluorobutanesulfonic acid (PFBS)	ND	2.0	2	ng/L	1		EPA 537	8/13/17	8/15/17 21:27	BLM
NEtFOSAA	ND	2.0		ng/L	1		EPA 537	8/13/17	8/15/17 21:27	BLM
NMeFOSAA	ND	2.0		ng/L	1		EPA 537	8/13/17	8/15/17 21:27	BLM
Perfluoropentanoic acid (PFPeA)	ND	2.0		ng/L	1		EPA 537	8/13/17	8/15/17 21:27	BLM
Surrogates		% Re	covery ]	Recovery Limits	5	Flag/Qual				
13C-PFHxA		128		70-130					8/15/17 21:27	
13C-PFDA		103		70-130					8/15/17 21:27	
d5-NEtFOSAA		129		70-130		•			8/15/17 21:27	



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

Sample Description:

70.8

Work Order: 17H0505

8/16/17 20:37

Date Received: 8/8/2017

d5-NEtFOSAA

Field Sample #: 247 Buck Pond Rd.-1

Sampled: 8/8/2017 09:43

Sample ID: 17H0505-02 Sample Matrix: Drinking Water

·				Miscellaneous Org	ganic Analys	es				
•			MCL/SMC	CL				Date	Date/Time	
Analyte	Results	RL	MA ORSO	G Units	Dilution	Flag/Qual	Method	Prepared	Analyzed	Analys
Perfluoroundecanoic acid (PFUnA)	ND	2.0	2	ng/L	1		EPA 537	8/13/17	8/16/17 20;37	BLM
Perfluorotridecanoic acid (PFTrDA)	ND	2.0	2	ng/L	1		EPA 537	8/13/17	8/16/17 20:37	BLM
Perfluorotetradecanoic acid (PFTA)	ND	2.0	2	ng/L	1		EPA 537	8/13/17	8/16/17 20:37	BLM
Perfluorooctanoic acid (PFOA)	2.3	2.0	2	ng/L	1		EPA 537	8/13/17	8/16/17 20:37	BLM
Perfluorooctanesulfonic acid (PFOS)	8.2	2.0	2	ng/L	1		EPA 537	8/13/17	8/16/17 20:37	BLM
Perfluorononanoic acid (PFNA)	ND	2.0	2	ng/L	1		EPA 537	8/13/17	8/16/17 20:37	BLM
Perfluorohexanoic acid (PFHxA)	ND	2.0	2	ng/L	1	-	EPA 537	8/13/17	8/16/17 20:37	BLM
Perfluorohexanesulfonic acid (PFHxS)	ND	2.0	2	ng/L	1		EPA 537	8/13/17	8/16/17 20:37	BLM
Perfluoroheptanoic acid (PFHpA)	ND	2.0	2	ng/L	1		EPA 537	8/13/17	8/16/17 20:37	BLM
Perfluorododecanoic acid (PFDoA)	ND	2.0	2	ng/L	1		EPA 537	8/13/17	8/16/17 20:37	BLM
Perfluorodecanoic acid (PFDA)	ND	2.0	2	ng/L	1		EPA 537	8/13/17	8/16/17 20:37	BLM
Perfluorobutanesulfonic acid (PFBS)	ИD	2.0	2	ng/L	1		EPA 537	8/13/17	8/16/17 20:37	BLM
NEtFOSAA	ND	2.0		ng/L	1		EPA 537	8/13/17	8/16/17 20:37	BLM
NMeFOSAA	ND	2.0		ng/L	1		EPA 537	8/13/17	8/16/17 20:37	BLM
Surrogates		% Re	covery	Recovery Limits		Flag/Qual				
13C-PFHxA		70.3		70-130					8/16/17 20:37	
13C-PFDA		72.5		70-130					8/16/17 20:37	

70-130



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

Sample Description:

· Work Order: 17H0505

Date Received: 8/8/2017

Field Sample #: 247 Buck Pond Rd.-2

Sampled: 8/8/2017 09:45

Sample ID: 17H0505-03

Sample Matrix: Drinking Water

Sample Wallix. Dilliking Wales			М	iscellaneous C	organic Analys	es				
Analyte	Results	RL	MCL/SMCI		Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Perfluoroundecanoic acid (PFUnA)	ND	2.0	2	ng/L	1		EPA 537	8/13/17	8/15/17 22:56	BLM
Perfluorotridecanoic acid (PFTrDA)	ND	2.0	2	ng/L	1		EPA 537	8/13/17	8/15/17 22:56	BLM
Perfluorotetradecanoic acid (PFTA)	ND	2.0	2	ng/L	1		EPA 537	8/13/17	8/15/17 22:56	BLM
# Perfluorooctanoic acid (PFOA)	2.1	2.0	2	ng/L	1		EPA 537	8/13/17	8/15/17 22:56	BLM
# Perfluorooctanesulfonic acid (PFOS)	7.5	2.0	2	ng/L	1		EPA 537	8/13/17	8/15/17 22:56	BLM
Perfluorononanoic acid (PFNA)	ND	2.0	2	ng/L	l		EPA 537	8/13/17	8/15/17 22:56	BLM
Perfluorohexanoic acid (PFHxA)	ND	2.0	2	ng/L	I		EPA 537	8/13/17	8/15/17 22:56	BLM
Perfluorohexanesulfonic acid (PFHxS)	ND	2.0	2	ng/L	1		EPA 537	8/13/17	8/15/17 22:56	BLM
Perfluoroheptanoic acid (PFHpA)	ND	2.0	2	ng/L	· · i	•	EPA 537	8/13/17	8/15/17 22:56	BLM
Perfluorododecanoic acid (PFDoA)	ND	2.0	2	ng/L	1		EPA 537	8/13/17	8/15/17 22:56	BLM
Perfluorodecanoic acid (PFDA)	ND	2.0	2	ng/L	1		EPA 537	8/13/17	8/15/17 22:56	BLM
Perfluorobutanesulfonic acid (PFBS)	ND	2.0	2	ng/L	1		EPA 537	8/13/17	8/15/17 22:56	BLM
NEtFOSAA	ND	2.0		ng/L	1		EPA 537	8/13/17	8/15/17 22:56	BLM
NMeFOSAA	ND	2.0		ng/L	1		EPA 537	8/13/17	8/15/17 22:56	BLM
Surrogates		% Re	covery	Recovery Lim	its	Flag/Qual				
13C-PFHxA		130		70-130					8/15/17 22:56	
13C-PFDA		98 <sub>,</sub> 5		70-130					8/15/17 22:56	
d5-NEtFOSAA		128		70-130					8/15/17 22:56	



#### Sample Extraction Data

Prep Method: EPA 537-EPA 537

Lab Number [Field ID]	Batch	Initial [mL]	Final [mL]	Date	
17H0505-01 [247 Buck Pond Rd Field Blank]	B183955	250	1.00	08/13/17	
17H0505-02 [247 Buck Pond Rd1]	B183955	250	1,00	08/13/17	
17H0505-03 [247 Buck Pond Rd2]	B183955	250	1.00	08/13/17	•



#### QUALITY CONTROL

#### Miscellaneous Organic Analyses - Quality Control

		Reporting		Spike	Source	1/275	%REC	222	RPD	37.
Analyte	Result	Limit	Units	Level	Result	%REC	Limits	RPD	Limit	Notes
atch B183955 - EPA 537										
Blank (B183955-BLK1)				Prepared: 08	7/13/17 Anal	yzed: 08/15/	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							
MeFOSAA	ND	2.0	ng/L							
urrogate: 13C-PFHxA	47.9		ng/L	40.0		120	70-130			
urrogate: I3C-PFDA	41.6		ng/L	40.0		104	70-130			
urrogate: d5-NEtFOSAA	207		ng/L	160		129	70-130			
.CS (B183955-BS1)				Prepared: 08	7/13/17 Anal	yzed: 08/16/	17			
erfluoroundecanoic acid (PFUnA)	25.6	2.0	ng/L	20.0		128	70-130			
erfluorotridecanoic acid (PFTrDA)	21.1	2.0	ng/L	20.0		105	70-130			
erfluorotetradecanoic acid (PFTA)	21,5	2.0	ng/L	20.0		107	70-130			
erfluorooctanoic acid (PFOA)	18.9	2.0	ng/L	20.0		94.6	70-130			
erfluorooctanesulfonic acid (PFOS)	20.2	2.0	ng/L	18.5		109	70-130			
erfluorononanoic acid (PFNA)	16.7	2.0	ng/L	20.0		83,5	70-130			
erfluorohexanoic acid (PFHxA)	20,4	2,0	ng/L	20.0		102	70-130			
erfluorohexanesulfonic acid (PFHxS)	18.8	2.0	ng/L	18.2		103	70-130			
erfluoroheptanoic acid (PFHpA)	18.7	2.0	ng/L	20.0		93.7	70-130			
erfluorododecanoic acid (PFDoA)	20,8	2.0	ng/L	20.0		104	70-130			
erfluorodecanoic acid (PFDA)	21.4	2.0	ng/L	20.0		107	70-130			
erfluorobutanesulfonic acid (PFBS)	18.3	2.0	ng/L	17.7		103	70-130			
EtFOSAA	22.1	2.0	ng/L	20.0		111	70-130			
MeFOSAA	21.1	2.0	ng/L	20.0		106	70-130			
urrogate: I3C-PFHxA	35.9		ng/L	40.0		89.8	70-130			
urrogate: 13C-PFDA	37.8		ng/L	40.0		94.5	70-130			
urrogate: d5-NEtFOSAA	. 167		ng/L	160		105	70-130			



MCL

#### 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

Percent recoveries and relative percent differences (RPDs) are determined by the software using values in the

calculation which have not been rounded.

Maximum Contaminant Level

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



#### CERTIFICATIONS

#### Certified Analyses included in this Report

Analyte Certifications

EPA 537 in Drinking Water

Perfluorooctanoic acid (PFOA)

NH,NY

Perfluorooctanesulfonic acid (PFOS)

NH,NY

Perfluoropentanoic acid (PFPeA)

NH

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

Code	Description	Number	Expires
AIHA	AJHA-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	07/30/2018
ME	State of Maine	2011028	06/9/2019
VA	Commonwealth of Virginia	460217	12/14/2017
NH-P	New Hampshire Environmental Lab	2557 NELAP	09/6/2017
VT-DW	Vermont Department of Health Drinking Water	VT-255716	06/12/2018
NC-DW	North Carolina Department of Health	25703	07/31/2018

2 Preservation Codes: GW = Ground Water WW = Waste Water DW = Drinking Water X = Sodium Hydroxide S = Sulfuric Acid B = Sodium Bisulfate <sup>3</sup> Container Codes: S = Summa Canister T = Tedlar Bag O = Other (please Page\_1\_\_of\_\_1\_ Dissolved Metals Sa O = Other (please 0 = Other (please Von Soxhlet A = Amber Glass PCB ONLY H = HCL M = Methanol N = Nitric Acid Preservation Code O Field Filtered Matrix Codes Soxhlet O Field Filtered O Lab to Filter O Lab to Filter Container Code SL = Sludge SOL = Solid ST = Sterile = Sodium Thiosulfate # of Containers TRIZMA P = Plastic V = Vial G = Glass define) A = Air = Iced define) define) S = Soil Please use the following codes to indicate possible sample concentration COP-TEST Chromatogram AIHA-LAP, LLC 39 Spruce Street East Longmeadow, MA 01028 WELD CANADISK INTO THE PARTY 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 # MCP Certification Form Required RCP Certification Form Required z MA MCP Required CT RCP Required TOTAL As, Fe, HARDNESS, TOC × MWRA School MA State DW Required MBTA Special Requirements 0 × × **EPA METHOD 537** × 38  $\Rightarrow$  $\Rightarrow$ 3 http://www.contestlabs.com CHAIN OF CUSTODY RECORD [] ₹ ⋛ ձ Municipality Brownfield PWSID # 10-Day EXCE Ĝ 3-Day 4-Day CLP Like Data Pkg Required: 口 × × Composite Due Date: 5-day TAT S 남 Government Petraction Limit Requi Email To: Ending Date Time Fax To #: Format: Federal 9:43 9:45 9:34 Other: 7-Day l-Day 2-Day EXTRACT & HOLD EPA Method 537: 247 Buck Pond Rd-field blank & 247 Buck Pond Rd-2 C Z Project Entity Beginning Date/Time Office 8/8/2017 10 8/8/2017 8/8/2017 73 William Franks Drive, West Springfield, MA 17H 0505 1820 Email: info@contestlabs.com 8 Cherit Sample ID / Description Phone: 413-525-2332 247 Buck Pond Rd - field blank 247 Buck Pond Rd, Westfield Fax: 413-525-6405 247 Buck Pond Rd, Westfield 8|8|17 Date/Time: Date/Time: Date/Time Date/Time: Date/Time: Date/Time: (1/8/8 247 Buck Pond Rd - 1 247 Buck Pond Rd - 2 ATC Group Services Elizabeth O'Connol (413) 781-0070 183EM00170 Rob Smith RUN EPA Method 537: 247 Buck Pond Rd-1 Con-Test Quote Name/Number: CONTEST HOLD As, Fe, Hardness, TOC Relinquished by: (signature) iquished by: (signature) inquished by: (signature) eived by: (signature) (s)gnature) eived by: (signature) MORNE Work Order# Con-Test 8 Ø Invoice Recipient: Project Location: Project Manager: Project Number: emial major Sampled By: comments Address: hone:

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39 Spruce St.

East Longmeadow, MA. 01028

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



www.contestlabs.com

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 <u>ATC</u> Received By	PB		Date	11.88		Time	18:30	
How were the sample:			- No Cooler	Ť	On Ice	T	No Ice	
received?			_110 000101		Ambient		Melted Ice	<del></del>
	Direct from Samp	-		-			Wicked ice	
Were samples within		By Gun#		-	Actual-Tem			
Temperature? 2-6°C		By Blank #		_	Actual Tem			
Was Custody :	Seal Intact?	NA	-		s Tampered		<u></u>	
Was COC Rel	inquished?	$\mathcal{T}_{-}$	Doe	es Chain Ag	ree With Sa	mples?	<u>T</u>	
Are there broken	/leaking/loose caps	on any sam	iples?	<del>=</del>	•			
Is COC in ink/ Legible	?	_		mples recei		olding time?	T	
Did COC include all	Client	<u> </u>	Analysis	<u></u>		er Name	<u> </u>	
pertinent Information?	Project	<u> </u>	ID's	T	Collection	Dates/Times	s <u>T</u>	
Are Sample labels fille	ed out and legible?		·					
Are there Lab to Filters	s?	F	_		s notified?			
Are there Rushes?		F	_		s notified?			
Are there Short Holds?	?	F	_	Who wa	s notified?			
s there enough Volum	ie?							
s there Headspace wi	nere applicable?	Page E		MS/MSD?	NA	_		
Proper Media/Contain	ers Used?		_		samples red	quired?	NA	
Were trip blanks recei		F	_	On COC?	NA			
Do all samples have th			Acid		•	Base		
Viole de la company					CAMP (Y			4
Unp-	1 Liter Amb.		1 Liter	Plastic		16 0	z Amb.	
HCL-	500 mL Amb.			L Plastic		8oz Ai	mb/Clear	
Meoh-	250 mL Amb.		250 ml	L Plastic	3	4oz Aı	mb/Clear	
Bisulfate-	Col./Bacteria		Flas	hpoint		2oz Ai	mb/Clear	
DI-	Other Plastic		Other	r Glass		Er	ncore	
Thiosulfate-	SOC Kit		Plast	lic Bag		Frozen:		
Sulfuric-	Perchlorate		Zip	olock				
			Unused	Media				
Viale V	ie melline							
Unp-	1 Liter Amb.		1 Liter	r Plastic		16 o	z Amb.	
HCL-	500 mL Amb.		500 ml	L Plastic		8oz A	mb/Clear	
Meoh-	250 mL Amb.			L Plastic			mb/Clear	
Bisulfate-	Col./Bacteria		Flas	hpoint			mb/Clear	
DI-	Other Plastic			r Glass	ļ		ncore	
Thiosulfate-	SOC Kit			tic Bag	<u> </u>	Frozen:		
Sulfuric-	Perchlorate		Zip	olock	<u> </u>			
Comments:								
				ı				
			<del></del>					ne 13 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

September 13, 2017

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

RE: Notice of Environmental Sampling

244 Buck Pond Road

Westfield Private Well Sampling

Dear David and Michele Pine:

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

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

Printed on Recycled Paper

Notice of Environmental Sampling 244 Buck Pond Road Westfield, RTN: 1-20093

Page 2 of 2

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

Sincerely,

Eva Tor

Deputy Regional Director Bureau of Waste Site Cleanup

L V. Tor

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

## NOTICE OF ENVIRONMENTAL SAMPLING

# BWSC123 This Notice is Related to: Release Tracking Number

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: David & Michele Pine
2. Street Address: 244 Buck Pond Road
City/Town: Westfield Zip Code: 01085
<ul> <li>C. This notice is being given to inform its recipient (the party listed in Section B): <ul> <li>1. That environmental sampling will be/has been conducted at property owned by the recipient of this notice.</li> <li>✓ 2. Of the results of environmental sampling conducted at property owned by the recipient of this notice.</li> <li>✓ 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.)</li> </ul> </li> </ul>
D. Location of the property where the environmental sampling will be/has been conducted:  1. Street Address: 244 Buck Pond Road  City/Town: Westfield Zip Code: 01085  2. MCP phase of work during which the sampling will be/has been conducted:    Immediate Response Action
(specify)  4. Description of the sampling locations and types (e.g., soil, groundwater, indoor air, soil gas) to the extent known at the time of this notice.  Drinking water samples were collected from the private well located on the above-referenced property and analyzed for PHAS compounds via EPA Method 537.1  E. Contact information related to the party providing this notice:  Contact Name: Department of Environmental Protection
Street Address: 436 Dwight Street
City/Town: Springfield Zip Code: 01103
Tolonbano: (413) 755-2221 Empil: david bachand in@state mails



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

bureau or 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 <a href="http://www.mass.gov/eea/agencies/massdep/cleanup">http://www.mass.gov/eea/agencies/massdep/cleanup</a>. 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 <a href="http://public.dep.state.ma.us/SearchableSites2/Search.aspx">http://public.dep.state.ma.us/SearchableSites2/Search.aspx</a> to view site-specific files on-line or <a href="http://mass.gov/eea/agencies/massdep/about/contacts/conduct-a-file-review.html">http://mass.gov/eea/agencies/massdep/about/contacts/conduct-a-file-review.html</a> 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



August 25, 2017

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

Project Location: 244 Buck Pond Rd., Westfield

Client Job Number:

Project Number: 183EM00170

Laboratory Work Order Number: 17H0512

Keny K. Mille

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

Sincerely,

Kerry K. McGee Project Manager

## **Table of Contents**

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ATC Group Services LLC - West Springfield

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

REPORT DATE: 8/25/2017

PROJECT NUMBER:

183EM00170

#### ANALYTICAL SUMMARY

WORK ORDER NUMBER:

17H0512

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

PROJECT LOCATION:

244 Buck Pond Rd., Westfield

FIELD SAMPLE#	LAB ID:	MATRIX	SAMPLE DESCRIPTION	TEST	SUB LAB
244 Buck Pond Rd Field Blank	17H0512-01	Field Blank		EPA 537	
244 Buck Pond Rd1	17H0512-02	Drinking Water		EPA 537	
244 Buck Pond Rd2	17H0512-03	Drinking Water		EPA 537	



#### CASE NARRATIVE SUMMARY

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

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

EPA 537

#### Qualifications:

S-18

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

Analyte & Samples(s) Qualified:

d5-NEtFOSAA

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

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

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

Lisa A. Worthington
Project Manager



Project Location: 244 Buck Pond Rd., Westfield

Sample Description:

Work Order: 17H0512

Date Received: 8/8/2017

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

Sampled: 8/8/2017 15:10

Sample ID: 17H0512-01

Sample Matrix: Field Blank

			N	discellaneous Org	ganic Analys	es				
			MCL/SMC	CL				Date	Date/Time	
Analyte	Results	RL	MA ORSO	Units	Dilution	Flag/Qual	Method	Prepared	Analyzed	Analyst
Perfluoroundecanoic acid (PFUnA)	ND	2.0	2	ng/L	1 .		EPA 537	8/13/17	8/16/17 20:12	BLM
Perfluorotridecanoic acid (PFTrDA)	ND	2.0	2	ng/L	1	r.	EPA 537	8/13/17	8/16/17 20:12	BLM
Perfluorotetradecanoic acid (PFTA)	ND	2.0	2	ng/L	1		EPA 537	8/13/17	8/16/17 20:12	BLM
Perfluorooctanoic acid (PFOA)	ND	2.0	2	ng/L	1		EPA 537	8/13/17	8/16/17 20:12	BLM
Perfluorooctanesulfonic acid (PFOS)	ND	2.0	2	ng/L	1		EPA 537	8/13/17	8/16/17 20:12	BLM
Perfluorononanoic acid (PFNA)	ND	2.0	2	ng/L	1		EPA 537	8/13/17	8/16/17 20:12	BLM
Perfluorohexanoic acid (PFHxA)	ND	2.0	2	ng/L	1		EPA 537	8/13/17	8/16/17 20:12	BLM
Perfluorohexanesulfonic acid (PFHxS)	ND	2.0	2	ng/L	1		EPA 537	8/13/17	8/16/17 20;12	BLM
Perfluoroheptanoic acid (PFHpA)	ND	2.0	2	ng/L	1		EPA 537	8/13/17	8/16/17 20:12	BLM
Perfluorododecanoic acid (PFDoA)	ND	2.0	2	ng/L	1		EPA 537	8/13/17	8/16/17 20:12	BLM
Perfluorodecanoic acid (PFDA)	ND	2.0	2	ng/L	1		EPA 537	8/13/17	8/16/17 20:12	BLM
Perfluorobutanesulfonic acid (PFBS)	ND	2.0	2	ng/L	1		EPA 537	8/13/17	8/16/17 20:12	BLM
NEtFOSAA	ND	2.0		ng/L	1		EPA 537	8/13/17	8/16/17 20:12	BLM
NMeFOSAA.	ND	2.0		ng/L	1		EPA 537	8/13/17	8/16/17 20:12	BLM
Surrogates		% Re	covery	Recovery Limits	· · · · · · · · · · · · · · · · · · ·	Flag/Qual				
13C-PFHxA		121	•	70-130					8/16/17 20:12	
13C-PFDA		130		70-130					8/16/17 20:12	
d5-NEtFOSAA		142	*	70-130		S-18			8/16/17 20:12	



Project Location: 244 Buck Pond Rd., Westfield

Sample Description:

119

Work Order: 17H0512

8/16/17 21:15

Date Received: 8/8/2017

Field Sample #: 244 Buck Pond Rd.-I

Sampled: 8/8/2017 15:20

Sample ID: 17H0512-02 Sample Matrix: Drinking Water

d5-NEtFOSAA

<del></del>			'n	Miscellaneous Org	anic Analys	es				
MCL/SMCL							Date	Date/Time		
Analyte	Results	RL	MA ORSO	G Units	Dilution	Flag/Qual	Method	Prepared	Analyzed	Analyst
Perfluoroundecanoic acid (PFUnA)	ND	2.0	2	ng/L	1		EPA 537	8/13/17	8/16/17 21:15	BLM
Perfluorotridecanoic acid (PFTrDA)	ND	2.0	2	ng/L	i		EPA 537	8/13/17	8/16/17 21:15	BLM
Perfluorotetradecanoic acid (PFTA)	ND	2.0	2	ng/L	1		EPA 537	8/13/17	8/16/17 21;15	BLM
# Perfluorooctanoic acid (PFOA)	2.5	2.0	2	ng/L	1		EPA 537	8/13/17	8/16/17 21:15	BLM
# Perfluorooctanesulfonic acid (PFOS)	3.7	2.0	2	ng/L	1		EPA 537	8/13/17	8/16/17 21:15	BLM
Perfluorononanoic acid (PFNA)	ND	2.0	2	ng/L	1		EPA 537	8/13/17	8/16/17 21:15	BLM
Perfluorohexanoic acid (PFHxA)	ND	2.0	2	ng/L	1		EPA 537	8/13/17	8/16/17 21:15	BLM
Perfluorohexanesulfonic acid (PFHxS)	ND	2.0	2	ng/L	1		EPA 537	8/13/17	8/16/17 21:15	BLM
Perfluoroheptanoic acid (PFHpA)	ND	2.0	2	ng/L	1		EPA 537	8/13/17	8/16/17 21:15	BLM
Perfluorododecanoic acid (PFDoA)	ND	2.0	2	ng/L	i		EPA 537	8/13/17	8/16/17 21:15	BLM
Perfluorodecanoic acid (PFDA)	ND	2.0	2	ng/L	1		EPA 537	8/13/17	8/16/17 21:15	BLM
Perfluorobutanesulfonic acid (PFBS)	ND	2.0	2	ng/L	1		EPA 537	8/13/17	8/16/17 21:15	BLM
NEtFOSAA	ND	2.0		ng/L	1		EPA 537	8/13/17	8/16/17 21:15	BLM
NMeFOSAA	ND	2.0		ng/L	Į.		EPA 537	8/13/17	8/16/17 21:15	BLM
Surrogates		% Re	covery	Recovery Limits		Flag/Qual				
13C-PFHxA		124		70-130					8/16/17 21:15	
13C-PFDA		121		70-130			•		8/16/17 21:15	

70-130



Project Location: 244 Buck Pond Rd., Westfield

Sample Description:

Work Order: 17H0512

Date Received: 8/8/2017

Field Sample #: 244 Buck Pond Rd.-2

Sampled: 8/8/2017 15:22

Sample ID: 17H0512-03

Sample	Matrix:	Drinking	Water

Sample Matrix: Drinking Water										
			N	liscellaneous Org	ganic Analys	es				
			MCL/SMC	L .				Date	Date/Time	
Analyte	Results	RL	MA ORSG	Units	Dilution	Flag/Qual	Method	Prepared	Analyzed	Analyst
Perfluoroundecanoic acid (PFUnA)	מא	2.0	2	ng/L	· 1		EPA 537	8/13/17	8/16/17 21:28	BLM
Perfluorotridecanoic acid (PFTrDA)	ND	2.0	2	ng/L	1		EPA 537	8/13/17	8/16/17 21:28	BLM
Perfluorotetradecanoic acid (PFTA)	ND	2.0	2	ng/L	1		EPA 537	8/13/17	8/16/17 21:28	BLM
# Perfluorooctanoic acid (PFOA)	2.3	2.0	2	ng/L	1		EPA 537	8/13/17	8/16/17 21:28	BLM
# Perfluorooctanesulfonic acid (PFOS)	3.6	2.0	2	ng/L	1		EPA 537	8/13/17	8/16/17 21:28	BLM
Perfluorononanoic acid (PFNA)	ND	2.0	2	ng/L	1		EPA 537	8/13/17	8/16/17 21:28	BLM
Perfluorohexanoic acid (PFHxA)	ND	2.0	2	ng/L	1		EPA 537	8/13/17	8/16/17 21:28	BLM
Perfluorohexanesulfonic acid (PFHxS)	ND	2.0	2	ng/L	ı		EPA 537	8/13/17	8/16/17 21:28	BLM
Perfluoroheptanoic acid (PFHpA)	ND	2.0	2	ng/L	1 .		EPA 537	8/13/17	8/16/17 21:28	BLM
Perfluorododecanoic acid (PFDoA)	ND	2.0	2	ng/L	1		EPA 537	8/13/17	8/16/17 21:28	BLM
Perfluorodecanoic acid (PFDA)	ND	2.0	2	ng/L	1		EPA 537	8/13/17	8/16/17 21:28	BLM
Perfluorobutanesulfonic acid (PFBS)	ND	2.0	2	ng/L	ı		EPA 537	8/13/17	8/16/17 21:28	BLM
NEtFOSAA	ND	2.0		ng/L	1		EPA 537	8/13/17	8/16/17 21:28	BLM
NMeFOSAA	ND	2.0		ng/L	1		EPA 537	8/13/17	8/16/17 21:28	BLM
Surrogates		% Re	covery	Recovery Limits		Flag/Qual				
13C-PFHxA		123		70-130					8/16/17 21:28	
13C-PFDA		126		70-130					8/16/17 21:28	

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
13C-PFHxA	123	70-130		8/16/17 21:28
13C-PFDA	126	70-130		8/16/17 21:28
d5-NEtFOSAA	126	70-130		8/16/17 21;28



#### Sample Extraction Data

Prep Method: EPA 537-EPA 537

Lab Number [Field ID]	Batch	Initial [mL]	Final [mL]	Date	
17H0512-01 [244 Buck Pond Rd Field Blank]	B183955	250	1.00	08/13/17	
17H0512-02 [244 Buck Pond Rd1]	B183955	250	1.00	08/13/17	
17H0512-03 [244 Buck Pond Rd2]	B183955	250	1.00	08/13/17	



#### QUALITY CONTROL

#### Miscellaneous Organic Analyses - Quality Control

		Reporting		Spike	Source		%REC		RPD	
Analyte	Result	Limit	Units	Level	Result	%REC	Limits	RPD	Limit	Notes
Batch B183955 - EPA 537										
Blank (B183955-BLK1)				Prepared: 08	7/13/17 Analy	/zed: 08/15/	17			
Perfluoroundecanoic acid (PFUnA)	ND	2.0	ng/L							
Perfluorotridecanoic acid (PFTrDA)	ND	2.0	ng/L							
Perfluorotetradecanoic acid (PFTA)	ND	2.0	ng/L							
Perfluorooctanoic acid (PFOA)	ND	2.0	ng/L							
Perfluorooctanesulfonic acid (PFOS)	ND	2.0	ng/L							
Perfluorononanoic acid (PFNA)	ND	2,0	. ng/L			•				
erfluorohexanoic acid (PFHxA)	ND	2.0	ng/L							3
Perfluorohexanesulfonic acid (PFHx\$)	ND	2.0	ng/L							
Perfluoroheptanoic acid (PFHpA)	ND	2.0	ng/L							
Perfluorododecanoic acid (PFDoA)	ND	2.0	ng/L							
Perfluorodecanoic acid (PFDA)	ND	2.0	ng/L							
Perfluorobutanesulfonic acid (PFBS)	ND	2.0	ng/L							
NEtFOSAA	ND	2.0	ng/L							
NMeFOSAA	ND	2.0	ng/L							
Surrogate: 13C-PFHxA	47.9		ng/L	40.0		120	70-130			
Surrogate: 13C-PFDA	41.6		ng/L	40.0		104	70-130			
surrogate: d5-NEtFOSAA	<i>207</i> .		ng/L	160		129	70-130			
.CS (B183955-BS1)				Prepared: 08	/13/17 Analy	zed: 08/16/1	7			
Perfluoroundecanoic acid (PFUnA)	25.6	2.0	ng/L	20.0		128	70-130			
Perfluorotridecanoic acid (PFTrDA)	21.1	2.0	ng/L	20.0		105	70-130			
Perfluorotetradecanoic acid (PFTA)	21.5	2.0	ng/L	20.0		107	70-130			
Perfluorooctanoic acid (PFOA)	18.9	2.0	ng/L	20.0		94.6	70-130		•	
Perfluorooctanesulfonic acid (PFOS)	20.2	2.0	ng/L	18.5		109	70-130			
Perfluorononanoic acid (PFNA)	16.7	2.0	ng/L	20.0		83.5	70-130			
Perfluorohexanoic acid (PFHxA)	20.4	2.0	ng/L	20.0		102	70-130			
Perfluorohexanesulfonic acid (PFHxS)	18,8	2.0	ng/L	18.2		103	70-130			
Perfluoroheptanoic acid (PFHpA)	18.7	2.0	ng/L	20.0		93.7	70-130			
Perfluorododecanoic acid (PFDoA)	20.8	2.0	ng/L	20.0		104	70-130			
Perfluorodecanoic acid (PFDA)	21.4	2.0	ng/L	20.0		107	70-130			
erfluorobutanesulfonic acid (PFBS)	18.3	2.0	ng/L	17.7		103	70-130			
VEtFOSAA	22.1	2.0	ng/L	20.0		111	70-130			
NMeFOSAA	21.1	2.0	ng/L	20.0		106	70-130			
urrogate: 13C-PFHxA	35.9		ng/L	40.0		89.8	70-130			
imrogate: 13C-PFDA	37.8		ng/L	40.0		94.5	70-130			
Surrogate: d5-NEtFOSAA	167		ng/L	160		105	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
ICL	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.
	v.
-18	Surrogate recovery is outside of control limits, matrix interference suspected. Insufficient sample available for reanalysis.



#### CERTIFICATIONS

#### Certified Analyses included in this Report

Analyte

Certifications

EPA 537 in Drinking Water

Perfluorooctanoic acid (PFOA)

NH,NY

Perfluorooctanesulfonic acid (PFOS)

NH,NY

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

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

183	1810	Mi.		Tal	ole	of	Co	nt	ent		
7 7 7 7	S = Summa Canister	T = Tedlar Bag	o = Other (please	define)		PCB ONLY	□ Soxhlet	☐ Non Soxhlet			
	<b>ダカリノーラン</b>	AMALYTICAL LABORATORY	WWW.COMCOMING.COM			Other	rA Chromatogram	☐ AIHA-LAP,LLC			
			!		110		☐ WRT.				
m Required	CT RCP Required	m Required	Required	MA State DW Required			MWRA 🔲 WRTA	School	MBTA		
ation For	CT RCP	ation Fon		State DW	tate DW	tate DW					
MCP Certification Form Required		RCP Certification Form Requires		S WW	PWSID #		Municipality	21 J	Brownfield		
							0				

Dissolved Metals Samples X = Sodium Hydroxide T = Sodium Thiosulfate <sup>2</sup> Preservation Codes: GW = Ground Water
WW = Waste Water
DW = Drinking Water B = Sodium Bisulfate mas states and daily Container Codes: A = Amber Glass G = Glass P = Plastic ST ≅ Sterile Page \_\_1 \_\_ of \_\_\_1\_\_ 0 = Other (please O = Other (please N = Nitric Acid S = Sulfuric Acid 1 Matrix Codes: Preservation Code O Field Filtered O Field Filtered O Lab to Fitter M = Methanol O Lab to Filter Container Code S = Soil SL = Sludge SOL = Solid TRIZMA # of Containers define) HELD l Ced A = Air define) Please use the following codes to indicate possible sample concentration 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: Doc # 381 Rev 1\_03242017 I MA MCP Required z TOTAL As, Fe, HARDNESS, TOC Special Requirements 0 × × EPA METHOD 537 ge e > 5 ⇒ http://www.contestlabs.com Matrix CHAIN OF CUSTODY RECORD Rush Approval Required O Ă Ã ձ Dalas delivere 10-Day 4-Day 3-Day Composite | Grab CLP Like Data Pkg Required: × × Detection finite Regulfenents Due Date: 5-day TAT > PDF Governmen Email To: Fax To #: Beginning Ending Date/Time Date/Time 15:20 5:22 15:10 Federal Format: 7-Day Other: EXTRACT & HOLD EPA Method 537: 244 Buck Pond Rd-field blank & 244 Buck Pond Rd-2 -Day 2-Day 5 Project Entity 8/8/2017 8/8/2017 Other 8/8/2017 73 William Franks Drive, West Springfield, MA Email: info@contestlabs.com 8/8/17 (870) 8|8|17 18:20 7H0512 "Client Sample ID / Description Phone: 413-525-2332 244 Buck Pond Rd - field blank Fax: 413-525-6405 244 Buck Pond Rd, Westfield 244 Buck Pond Rd, Westfield Date/Time: Date/Time: Date/Time: Date/Time: Date/Time: 244 Buck Pond Rd - 2 244 Buck Pond Rd - 1 ATC Group Services Elizabeth O'Connor (413) 781-0070 183EM00170 Rob Smith RUN EPA Method 537: 244 Buck Pond Rd-1 <u>6</u>, S Con-Test Quote Name/Number: CON-TEST\* HOLD As, Fe, Hardness, TOC Relinquished by: (signature) diffquished by: (signature) quished by: (signature) ived by: (signature) Corre Reference Dy: (signature) ved by: (signature) Con-Test Work-Order# B  $\bar{q}$ cimpany Name Invoice Recipient: Project Location: Project Manager: Project Number: Project Name: <u>(</u> sampled By: Comments: Address: C Phone: Page 12 of 13 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	ATC.	<sup>5</sup> B	γ	Date	8.8.IT	<del>,</del>	. Time	18:80	
	-			No Coolei		On Ice	τ-	No Ice	
How were the receive	- 40	In Cooler		NO COOLE		'		Melted Ice	
Teceive	GG;	Direct from Samp	•	,	<del></del>	Ambient		Melted Ice	
Were sampl	les within		By Gun#			Actual Tem	p - 5 . 4		
Temperatur		-T-	By Blank #			Actual Tem	p -		
	Custody Se	eal Intact?	NA		ere Samples	s Tampered	with?	F	
	COC Relin		7	Doe	es Chain Agi	ree With Sar	nples?	T	
		eaking/loose caps	on any sam	ples?	#				
Is COC in ink				Were sa	mples recei	ved within ho			
Did COC in		Client	Т	Analysis	7.		er Name	<u>T</u>	
pertinent Info	ormation?	Project	Τ	ID's	T	Collection	Dates/Times	3	
Are Sample	labels filled	out and legible?							
Are there Lab			F	•		s notified?			
Are there Rus			F			s notified?			
Are there Sho	ort Holds?		F	_	Who was	s notified?	<del>,</del>		
Is there enou			7	_					
		re applicable?	BOF		MS/MSD?				
Proper Media				•		samples req	juired?	NA	
Were trip blan	nks receive	ed?	<u> </u>	•	On COC?	<u> NA</u>			
Do all sample	es have the	proper pH?	7	Acid			Base		
Vials			1			CONT.			ij.
Unp-		1 Liter Amb.			r Plastic			z Amb.	
HCL-		500 mL Amb.			L Plastic			nb/Clear	
Meoh-		250 mL Amb.			L Plastic	3		nb/Clear	
Bisulfate-		Col./Bacteria			hpoint			nb/Clear	
DI-		Other Plastic			r Glass		Frozen:	соге	
Thiosulfate-		SOC Kit			tic Bag		FIOZEII.		
Sulfuric-		Perchlorate			olock				
				Unusei	Media				
Vide		cione miles					4.6		
Unp-		1 Liter Amb.			r Plastic			z Amb.	
HCL-		500 mL Amb.			L Plastic			mb/Clear mb/Clear	
Meoh-		250 mL Amb.			L Plastic			nb/Clear	
Bisulfate-		Col./Bacteria			hpoint r Glass			icore .	
DI-		Other Plastic SOC Kit	ļ <del>.</del>		tic Bag	<del> </del>	Frozen:	,	
Thiosulfate-		Perchlorate			plock		1		
Sulfuric- Comments:		reichiorate	<u> </u>		PIOOK	<u> </u>	<u> </u>	·	
Comments.									
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## Commonwealth of Massachusetts Executive Office of Energy & Environmental Affairs

## Department of Environmental Protection

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

Charles D. Baker Governor

Karyn E. Polito Lieutenant Governor Matthew A. Beaton Secretary

> Martin Suuberg Commissioner

September 13, 2017

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

RE:

Notice of Environmental Sampling

232 Buck Pond Road

Westfield Private Well Sampling

Dear Mr. and Mrs. Timakov,

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

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

Notice of Environmental Sampling 232 Buck Pond Road Westfield, RTN: 1-20093

Page 2 of 2

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

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

Sincerely,

Eva Tor

Deputy Regional Director Bureau of Waste Site Cleanup

Attachments: Notice of Environmental Sampling (BWSC-123) Lab

Laboratory Report

Ecc: Mayor, City of Westfield
Barnes ANG-John Richardson
Barnes Aquifer Protection Committee

Westfield DPW – David Billips Westfield Health Department Dr. Marc A. Nascarella, Ph.D/DPH

cc:

Denise Andler, DEP WERO Data Entry: FOLOFF, FOLFLD

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 Zip Code: 01085
B. This notice is being provided to the following party:
1. Name: Benjamin and Ahanna Timakov
2. Street Address: 232 Buck Pond Road
24005
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:
Street Address: 232 Buck Pond Road
City/Town: Westfield Zip Code: 01085
2. MCP phase of work during which the sampling will be/has been conducted:
☑ 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
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.
Drinking water samples were collected from the private well located on the above-referenced
property and analyzed for PHAS compounds via EPA Method 537.1
E. Contact information related to the party providing this notice:
Contact Name: Department of Environmental Protection
Street Address: 436 Dwight Street
City/Town: Springfield Zip Code: 01103
Telephone: (413) 755-2221 Email: david.bachand.jr@state.ma.us



## Massachusetts Department of Environmental Protection

Bureau of Waste Site Cleanup

#### **BWSC123**

This Notice is Related to: Release Tracking Number

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



August 31, 2017

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

Project Location: 232 Buck Pond Rd., Westfield, MA

Client Job Number:

Project Number: 183EM00170

Laboratory Work Order Number: 17H0508

Keny K. Mille

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

Sincerely,

Kerry K. McGee Project Manager

## **Table of Contents**

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ATC Group Services LLC - West Springfield

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

PURCHASE ORDER NUMBER:

REPORT DATE: 8/31/2017

PROJECT NUMBER:

183EM00170

#### ANALYTICAL SUMMARY

WORK ORDER NUMBER:

17H0508

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

PROJECT LOCATION:

232 Buck Pond Rd., Westfield, MA

FIELD SAMPLE#	LAB ID:	MATRIX	SAMPLE DESCRIPTION '	TEST	SUB LAB
232 Buck Pond Rd Field Blank	17H0508-01	Field Blank		EPA 537	
232 Buck Pond Rd3	17H0508-02	Drinking Water		EPA 537	
232 Buck Pond Rd4	17H0508-03	Drinking Water		EPA 537	



#### CASE NARRATIVE SUMMARY

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

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

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

Lisa A. Worthington Project Manager

na Warrhugta



Project Location: 232 Buck Pond Rd., Westfield, M

Sample Description:

Work Order: 17H0508

Date Received: 8/8/2017

Field Sample #: 232 Buck Pond Rd.- Field Blank

Sampled: 8/8/2017 08:58

Sample ID: 17H0508-01

Sample Matrix: Field Blank

Miscellaneous Organic Analyses										
			MCL/SMC	L				Date	Date/Time	
Analyte	Results	RL	MA ORSG	Units	Dilution	Flag/Qual	Method	Prepared	Analyzed	Analyst
Perfluoroundecanoic acid (PFUnA)	ND	2.0	2	ng/L	1		EPA 537	8/13/17	8/15/17 21:40	BLM
Perfluorotridecanoic acid (PFTrDA)	ND	2.0	2	ng/L	1		EPA 537	8/13/17	8/15/17 21:40	BLM
Perfluorotetradecanoic acid (PFTA)	ND	2.0	2	ng/L	1		EPA 537	8/13/17	8/15/17 21:40	BLM
Perfluoreoctanoic acid (PFOA)	ND	2.0	2	ng/L	1	•	EPA 537	8/13/17	8/15/17 21:40	BLM
Perfluorooctanesulfonic acid (PFOS)	ND	2,0	2	ng/L	1 .		EPA 537	8/13/17	8/15/17 21:40	BLM
Perfluorononanoic acid (PFNA)	ND	2.0	2	ng/L	1		EPA 537	8/13/17	8/15/17 21:40	BLM
Perfluorohexanoic acid (PFHxA)	ND	2.0	2	ng/L	I		EPA 537	8/13/17	8/15/17 21:40	BLM
Perfluorohexanesulfonic acid (PFHxS)	ND	2.0	2	ng/L	1		EPA 537	8/13/17	8/15/17 21:40	BLM
Perfluoroheptanoic acid (PFHpA)	ND	2.0	2	ng/L	1		EPA 537	8/13/17	8/15/17 21:40	BLM
Perfluorododecanoic acid (PFDoA)	ND	2.0	2	ng/L	1		EPA 537	8/13/17	8/15/17 21:40	BLM
Perfluorodecanoic acid (PFDA)	ND	2.0	2	ng/L	1		EPA 537	8/13/17	8/15/17 21:40	BLM
Perfluorobutanesulfonic acid (PFBS)	ND	2.0	2	ng/L	i		EPA 537	8/13/17	8/15/17 21:40	BLM
NEtFOSAA	ND	2,0		ng/L	1		EPA 537	8/13/17	8/15/17 21:40	BLM
NMeFOSAA	ND	2.0		ng/L	1		EPA 537	8/13/17	8/15/17 21:40	BLM
Surrogates		% Re	covery	Recovery Limit	5	Flag/Qual				
13C-PFHxA		118		70-130					8/15/17 21:40	
13C-PFDA	•	95.7		70-130					8/15/17 21:40	
d5-NEtFOSAA		127		70-130					8/15/17 21:40	



Project Location: 232 Buck Pond Rd., Westfield, M

Sample Description:

Work Order: 17H0508

Date Received: 8/8/2017

Field Sample #: 232 Buck Pond Rd.-3

Sampled: 8/8/2017 09:10

Sample ID: 17H0508-02

Sample Matrix: Drinking Water

				Miscellaneous Org	ganic Analys	es .				
			MCL/SM	CL				Date	Date/Time	
Analyte	Results	RL	MA ORS	G Units	Dilution	Flag/Qual	Method	Prepared	Analyzed	Analyst
Perfluoroundecanoic acid (PFUnA)	ND	2.0	2	ng/L	1		EPA 537	8/13/17	8/15/17 22:31	BLM
Perfluorotridecanoic acid (PFTrDA)	ND	2.0	2	ng/L	1		EPA 537	8/13/17	8/15/17 22:31	BLM
Perfluorotetradecanoic acid (PFTA)	ND	2.0	2	ng/L	1		EPA 537	8/13/17	8/15/17 22:31	BLM
Perfluorooctanoic acid (PFOA)	7.1	2.0	2	ng/L	1		EPA 537	8/13/17	8/15/17 22:31	BLM
Perfluorooctanesulfonic acid (PFOS)	4.0	2.0	2	ng/L	1		EPA 537	8/13/17	8/15/17 22:31	BLM
Perfluorononanoic acid (PFNA)	ND	2.0	2	ng/L	1		EPA 537	8/13/17	8/15/17 22:31	BLM
Perfluorohexanoic acid (PFHxA)	2.3	2.0	2	ng/L	1		EPA 537	8/13/17	8/15/17 22:31	BLM
Perfluorohexanesulfonic acid (PFHxS)	20	2.0	2	ng/L	1		EPA 537	8/13/17	8/15/17 22:31	BLM
Perfluoroheptanoic acid (PFHpA)	ND	2.0	2	ng/L	1		EPA 537	8/13/17	8/15/17 22:31	BLM
Perfluorododecanoic acid (PFDoA)	ND	2.0	2	ng/L	1		EPA 537	8/13/17	8/15/17 22:31	BLM
Perfluorodecanoic acid (PFDA)	ND	2.0	2	ng/L	i		EPA 537	8/13/17	8/15/17 22:31	BLM
Perfluorobutanesulfonic acid (PFBS)	3.3	2.0	2	ng/L	ı		EPA 537	8/13/17	8/15/17 22:31	BLM
NEtFOSAA	ND	2.0		ng/L	Į.		EPA 537	8/13/17	8/15/17 22:31	BLM
NMeFOSAA	ND	2.0		ng/L	1		EPA 537	8/13/17	8/15/17 22:31	BLM
Surrogates		% Re	covery	Recovery Limits		Flag/Qual				
13C-PFHxA		72.2		70-130					8/15/17 22:31	
13C-PFDA		87.5		70-130					8/15/17 22:31	
d5-NEtFOSAA		105		70-130					8/15/17 22:31	



Project Location: 232 Buck Pond Rd., Westfield, M

Sample Description:

Work Order: 17H0508

Date Received: 8/8/2017

Field Sample #: 232 Buck Pond Rd.-4

Sampled: 8/8/2017 09:12

Sample ID: 17H0508-03

Sample Matrix: Drinking Water

			M	iscellaneous Org	ganic Analys	es					
			MCL/SMCI	ե			4		Date	Date/Time	
Analyte	Results	RL	MA ORSG	Units	Dilution	Flag/Qual		Method	Prepared	Analyzed	Analyst
Perfluoroundecanoic acid (PFUnA)	ND	2.0	2	ng/L	ı			EPA 537	8/13/17	8/15/17 22:44	BLM
Perfluorotridecanoic acid (PFTrDA)	ND	2.0	2	ng/L	1			EPA 537	8/13/17	8/15/17 22:44	BLM
Perfluorotetradecanoic acid (PFTA)	ND	2.0	2	ng/L	i			EPA 537	8/13/17	8/15/17 22:44	BLM
# Perfluorooctanoic acid (PFOA)	7.4	2.0	2	ng/L	1			EPA 537	8/13/17	8/15/17 22:44	BLM
# Perfluorooctanesulfonic acid (PFOS)	3,2	2.0	2	ng/L	1			EPA 537	8/13/17	8/15/17 22:44	BLM
Perfluorononanoic acid (PFNA)	ND	2.0	2	ng/L	1			EPA 537	8/13/17	8/15/17 22:44	BLM
# Perfluorohexanoic acid (PFHxA)	2.8	2.0	2	ng/L	1			EPA 537	8/13/17	8/15/17 22:44	BLM
# Perfluorohexanesulfonic acid (PFHxS)	24	2.0	2	ng/L	1			EPA 537	8/13/17	8/15/17 22:44	BLM
# Perfluoroheptanoic acid (PFHpA)	2.0	2.0	2	ng/L	l			EPA 537	8/13/17	8/15/17 22:44	BLM
Perfluorododecanoic acid (PFDoA)	ND	2.0	2	ng/L	I			EPA 537	8/13/17	8/15/17 22:44	BLM
Perfluorodecanoic acid (PFDA)	ND	2.0	2	ng/L	i			EPA 537	8/13/17	8/15/17 22:44	BLM
# Perfluorobutanesulfonic acid (PFBS)	4.2	2.0	2	ng/L	i			EPA 537	8/13/17	8/15/17 22:44	BLM
NEtFOSAA	ND	2.0		ng/L	1			EPA 537	8/13/17	8/15/17 22:44	BLM
NMeFOSAA	ND	2.0		ng/L	1			EPA 537	8/13/17	8/15/17 22:44	BLM
Surrogates		% Re	covery .	Recovery Limits	3	Flag/Qual					
13C-PFHxA	,	95.7		70-130		*				8/15/17 22:44	
13C-PFDA		93.0		70-130		•				8/15/17 22:44	
d5-NEtFOSAA		120		70-130						8/15/17 22:44	



#### Sample Extraction Data

Prep Method: EPA 537-EPA 537

Lab Number [Field ID]	Batch	Initial [mL]	Final [mL]	Date	
17H0508-01 [232 Buck Pond Rd Field Blank]	B183955	250	1.00	08/13/17	
17H0508-02 [232 Buck Pond Rd3]	B183955	250	1.00	08/13/17	
17H0508-03 [232 Buck Pond Rd4]	B183955	250	1.00	08/13/17	



#### QUALITY CONTROL

#### Miscellaneous Organic Analyses - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
	result	Dillt	Ciina	Dover	TOBULL	70120				
Batch B183955 - EPA 537										
Blank (B183955-BLK1)	N			Prepared: 08	3/13/17 Anal	yzed: 08/15/	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							
Perfluorooctanoic acid (PFOA)	ND	2.0	ng/L							
Perfluorocctanesulfonic 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							
NMeFOSAA	ND	2.0	ng/L							
Surrogate: 13C-PFHxA	47.9	•	ng/L	40.0		120	70-130			
Surrogate: 13C-PFDA	41.6		ng/L	40.0		104	70-130			
Surrogate: d5-NEtFOSAA	207		ng/L	160		129	70-130			
LCS (B183955-BS1)				Prepared: 08	3/13/17 Anal	yzed: 08/16/	17		-	
Perfluoroundecanoic acid (PFUnA)	25.6	2.0	ng/L	20.0		128	70-130			
Perfluorotridecanoic acid (PFTrDA)	21.1	2.0	ng/L	20.0		105	70-130			
Perfluorotetradecanoic acid (PFTA)	21.5	2.0	ng/L	20.0		107	70-130			
Perfluorooctanoic acid (PFOA)	18,9	2.0	ng/L	20.0		94.6	70-130			
Perfluorooctanesulfonic acid (PFOS)	20.2	2.0	ng/L	18.5		109	70-130		**	
Perfluorononanoic acid (PFNA)	16.7	2,0	ng/L	20.0		83.5	70-130			
Perfluorohexanoic acid (PFHxA)	20,4	2.0	ng/L	20.0		102	70-130			
Perfluorohexanesulfonic acid (PFHxS)	18.8	2.0	ng/L	18.2		103	70-130			
Perfluoroheptanoic acid (PFHpA)	18.7	2,0	ng/L	20.0		93.7	70-130			
Perfluorododecanoic acid (PFDoA)	20.8	2.0	ng/L	20.0		104	70-130			
Perfluorodecanoic acid (PFDA)	21.4	2.0	ng/L	20,0		107	70-130			
Perfluorobutanesulfonic acid (PFBS)	18.3	2.0	ng/L	17.7		103	70-130			
VEtFOSAA	22.1	2,0	ng/L	20.0		111	70-130			
NMeFOSAA	21.1	2,0	ng/L	20.0		106	70-130			
Surrogate: 13C-PFHxA	35.9		ng/L	40.0		89.8	70-130			
Surrogate: 13C-PFDA	37.8		ng/L	40.0		94.5	70-130			
Surrogate: d5-NEtFOSAA	167		ng/L	160		105	70-130			



#### FLAG/QUALIFIER SUMMARY

*	QC result is outside	of established	limits

† Wide recovery limits established for difficult compound.

‡ Wide RPD limits established for difficult compound.

# Data exceeded client recommended or regulatory level

ND Not Detected

RL Reporting Limit

DL Method Detection Limit

MCL Maximum Contaminant Level

Percent recoveries and relative percent differences (RPDs) are determined by the software using values in the

calculation which have not been rounded.

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



#### CERTIFICATIONS

#### Certified Analyses included in this Report

Analyte Certifications

EPA 537 in Drinking Water

Perfluorooctanoic acid (PFOA)

NH,NY

Perfluorooctanesulfonic acid (PFOS)

NH,NY

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

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

MBTA

Brownfield

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Page 12 of 13

17 H 0508

Phone: 413-525-2332

http://www.contestlabs.com

CHAIN OF CUSTODY RECORD

Doc # 381 Rev 1\_03242017

Page \_\_1\_\_ of \_\_\_1\_\_

Dissolved Metals Samples <sup>2</sup> Preservation Codes: X = Sodium Hydroxide 1 <u>Matrix Codes:</u>
GW = Ground Water
WW = Waste Wafer DW - Drinking Water B = Sodium Bisulfate S = Summa Canister 3 Container Codes: Thiosulfate O = Other (please = Other (please O = Other (please Von Soxhlet = Tedlar Bag A = Amber Glass PCB ONLY S = Sulfuric Acid Orthophosphate Soxhlet <sup>2</sup> Preservation Code O Field Filtered O Field Filtered n = riced H = HCL M = Methanol N = Nitric Acid O Lab to Fitter O Lab to Filter <sup>3</sup> Container Code A = Air S = Soil SL = Studge ST = Sterile - Sodium TRIZMA P = Plastic SOL = Solid G ≅ Glass V = Vial # of Containers define) define) l= Iced define) Please use the following codes to indicate possible sample concentration CON-LEST NEWACATION BACARE CAG ANGREDIES 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 WRTA I CT RCP Required RCP Certification Form Required MA MCP Required MCP Certification Form Required TOTAL As, Fe, HARDNESS, TOC MWRA School MA State DW Required Special Requirements ß O Δ, × × × **EPA METHOD 537** apon Supp ₽  $\Rightarrow$  $\Rightarrow$ Rush-Approval Required ձ Ѯ Ă Municipality # QISMd 10-Day EXCEL 90 3-Day 4-Day CLP Like Data Pkg Required:  $\Box$ × × × Composite Detaction simi Requirements Oue Date: 5-day TAT PDF 🖸 Government Ending: Date/Filme Email To: Fax To #: Format: Federal 9:10 9-12 85 Other: EXTRACT & HOLD EPA Method 537: 232 Buck Pond Rd-field blank & 232 Buck Pond Rd-4 7-Day 1-Day 2-Day Project Entity Beginnig Date/fine Other 8/8/2017 8/8/2017 8/8/2017 73 William Franks Drive, West Springfield, MA Email: info@contestlabs.com <u>8</u> (820) Client Sample 10 / Description 9/8/1-1 232 Buck Pond Rd - field blank 232 Buck Pond Rd, Westfield Fax: 413-525-6405 232 Buck Pond Rd, Westfield 8/8/17 Date/Time: Date/Time: Date/T/me: Date/Time: 232 Buck Pond Rd - 4 232 Buck Pond Rd - 3 ATC Group Services Elizabeth O'Connor (413) 781-0070 183EM00170 Rob Smith 5.5 RUN EPA Method 537: 232 Buck Pand Rd-3 Con-Test Quote Name/Number: HOLD As, Fe, Hardness, TOC CON-KEST Relinquished by: (signature) quished by: (signature) Kelinguished by: (signature) Prns. efejved by: Asignature) ived by: (signature) ived by: (signature) Con-Test Work Order# 8 ゅっ Ø Compaint Name nvoice Recipient: Project Location: Project Manager; Project Number: Sampled By: Address Phone:

39 Spruce St.

East Longmeadow, MA. 01028

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



www.contestlabs.com

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

140 T	ATC		·	Date	8.8.17		Time	18:30	
Receive		PB		-					_
How were the	_	In Cooler	<u>T</u>	No Cooler		On Ice	<u> </u>	_ No Ice	
receive	ed?	Direct from Samp	ling			Ambient	,	_ Melted Ice	<del></del>
	*** *		By Gun#	. 1		Actual Tem	p-5.9		
Were sample			By Blank #		-	Actual Tem	D - ·		
Temperature		al Intact?	•		ere Samples			F	•
	Custody Se		<u>~~B</u>	-	s Chain Agr	•		$\overline{\tau}$	•
	COC Relind		on onveam	4	<del>=</del>	00 11101 00			•
		aking/loose caps	OII ally Sain	More sa	mnles recei	ved within h	olding time?	Τ.	
Is COC in inka		Client	-	Analysis	T		er Name	<del></del>	•
pertinent Info		Project	7	ID's	$\overline{\tau}$		Dates/Time	s T	
,		out and legible?		•	<u> </u>				
Are there Lab			F	-	Who was	s notified?			
Are there can Are there Rus			<del>`</del>	-		s notified?			-
Are there Sho			F			s notified?			•
Is there enoug		?	<u>T</u>	•	-				-
		re applicable?	13º F	-	MS/MSD?	NA			
Proper Media			-T-	-		samples red	quired?	NA	
Were trip blan			F	-	On COC?		•		•
Do all sample			<del></del>	Acid	7		Base		•
						erge			
VEE		Coverners 1 Liter Amb.		1 Liter	Plastic		16 c	z Amb.	
Unp- HCL-		500 mL Amb.	<del></del>		Plastic		8oz A	mb/Clear	
Meoh-		250 mL Amb.			L Plastic	3	4oz A	mb/Clear	
Bisulfate-		Col./Bacteria		Flas	hpoint		2oz A	mb/Clear	
DI-		Other Plastic		Othe	Glass		Eı	ncore	
Thiosulfate-		SOC Kit		Plas	ic Bag		Frozen:		
Sulfuric-		Perchlorate		Zip	lock				
				Unused	Media				
Wiles and the		Containe) s							
Unp-		1 Liter Amb.		1 Lite	r Plastic		·	oz Amb.	
HCL-		500 mL Amb.		500 m	L Plastic			mb/Clear	
Meoh-		250 mL Amb.			L Plastic			mb/Clear	
Bisulfate-		Col./Bacteria			hpoint			mb/Clear	
DI-		Other Plastic			r Glass			ncore	<u> </u>
Thiosulfate-		SOC Kit			tic Bag	<u> </u>	Frozen:		
Sulfuric-		Perchlorate		Z	olock	L	<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

September 13, 2017

Todd & Lori Harrington 1880 East Mountain Road Westfield, MA 01085

RE: Notice of Environmental Sampling

1880 East Mountain Road

Westfield Private Well Sampling

Dear Mr. & Mrs. Harrington:

The Department of Environmental Protection (DEP) collected a drinking water sample from your private well on August 25, 2017. The purpose of the sampling was to investigate whether your well has been affected by a release of perfluorinated compounds (PFCs) to local groundwater. The sample was sent to a certified laboratory and analyzed for PFC compounds by modified United States Protection Agency (EPA) Method 317.1. EPA has established a Lifetime Health Advisory level at 70 parts per trillion (ppt), for two specific compounds which have been the most extensively used and studied, PFOA (perfluorooctanoic acid) and PFOS (perfluorooctane sulfonic acid). If both PFOA and PFOS are identified in drinking water the combined concentrations are compared to the 70 ppt health advisory level. The Health Advisory offers a margin of protection from a lifetime of exposure to PFOA and PFOS for all individuals from adverse health effects resulting from exposure from PFOA and PFOS in drinking water. <sup>1</sup>

The sampling result indicated that PFOA and PFOS compounds were not detected in the drinking water sample above the laboratory reporting limit of 2 ppt. Based on this data, no further action, including additional sampling and/or mitigation measures (i.e. bottled water) are required at this time. However, additional sampling may be required in the future. The Department thanks you for granting access to your property.

Notice of Environmental Sampling 1880 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 informationn contained within, please feel free to contact David Bachand at (413) 755-2221 or Cynthia Pawloski at (413) 755-2247.

Sincerely,

Eva Tor

Deputy Regional Director Bureau of Waste Site Cleanup

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		] -	20093
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### 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	•	<u> </u>
City/Town: Westfield	Zip Code:	01085
B. This notice is being provided to the follow	ing party:	
1. Name: Todd & Lori Harrington		
2. Street Address: 1880 East Mountain Road		·
City/Town: Westfield	Zip Code:	01085
C. This notice is being given to inform its rec	ipient (the p	party listed in Section B):
1. That environmental sampling will be/ha	as been con	ducted at property owned by the recipient of this notice.
2. Of the results of environmental sampli	ng conducte	d at property owned by the recipient of this notice.
	ılts are attac	hed. (If item 2. above is checked, the analytical results from
D. Location of the property where the environ	mental san	pling will be/has been conducted:
Street Address: 1880 East Mountain Road		
City/Town: Westfield	Zip Code:	01085
2. MCP phase of work during which the sampling	g will be/has	been conducted:
☑ Immediate Response Action		e III Feasibility Evaluation
☐ Release Abatement Measure ☐ Utility-related Abatement Measure		e IV Remedy Implementation Plan e V/Remedy Operation Status
Phase I Initial Site Investigation		Temporary Solution Operation, Maintenance and Monitoring
☐ Phase II Comprehensive Site Assessment	☐ Other	(specify)
3. Description of property where sampling will be	e/has been d	onducted:
residential ☐commercial ☐	industrial	school/playground Other(specify)
4. Description of the sampling locations and type time of this notice.	es (e.g., soil,	groundwater, indoor air, soil gas) to the extent known at the
	om the pri	vate well located on the above-referenced
property and analyzed for PFAS compou		
E. Contact information related to the party pro	viding this	notice:
Contact Name: David Bachand		Northwestern and the second se
Street Address: 436 Dwight Street		
City/Town: Springfield	Zip Code:	01103
Telephone: (413) 755-2221	Email: da	vid.bachand.jr@state.ma.us

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
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#### 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 <a href="http://www.mass.gov/eea/agencies/massdep/cleanup">http://www.mass.gov/eea/agencies/massdep/cleanup</a>. 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 <a href="http://public.dep.state.ma.us/SearchableSites2/Search.aspx">http://public.dep.state.ma.us/SearchableSites2/Search.aspx</a> to view site-specific files on-line or <a href="http://mass.gov/eea/agencies/massdep/about/contacts/conduct-a-file-review.html">http://mass.gov/eea/agencies/massdep/about/contacts/conduct-a-file-review.html</a> 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



September 6, 2017

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

Project Location: 1880 East Mountain Rd., Westfield, MA

Client Job Number:

Project Number: 183EM00170

Laboratory Work Order Number: 17H1451

Keny K. Mille

Enclosed are results of analyses for samples received by the laboratory on August 25, 2017. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Kerry K. McGee Project Manager

### **Table of Contents**

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ATC Group Services LLC - West Springfield

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

PURCHASE ORDER NUMBER:

REPORT DATE: 9/6/2017

PROJECT NUMBER:

183EM00170

ANALYTICAL SUMMARY

WORK ORDER NUMBER:

17H1451

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

PROJECT LOCATION:

1880 East Mountain Rd., Westfield, MA

FIELD SAMPLE #

LAB ID:

MATRIX

SAMPLE DESCRIPTION

TEST

SUB LAB

1880 East Mountain Rd - 1

17H1451-01 De

Drinking Water

SOP 434-PFAAS



#### CASE NARRATIVE SUMMARY

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

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

na Watthenster

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: 1880 East Mountain Rd., Westfie

Sample Description:

Work Order: 17H1451

Date Received: 8/25/2017

Field Sample #: 1880 East Mountain Rd - 1

Sampled: 8/25/2017 10:36

Sample ID: 17H1451-01
Sample Matrix: Drinking Water

			Miscellaneous Or	ganic Analys	es				
		м	CL/SMCL				Date	Date/Time	
Analyte	Results	RL M.	A ORSG Units	Dilution	Flag/Qual	Method	Prepared	Analyzed	Analyst
Perfluorobutanesulfonic acid (PFBS)	ND	2.0	ng/L	1		SOP 434-PFAAS	8/29/17	9/6/17 14:58	BLM
Perfluorohexanoic acid (PFHxA)	ND	2.0	ng/L	1		SOP 434-PFAAS	8/29/17	9/6/17 14:58	BLM
Perfluoroheptanoic acid (PFHpA)	ND	2.0	ng/L	1		SOP 434-PFAAS	8/29/17	9/6/17 14:58	BLM
Perfluorohexanesulfonic acid (PFHxS)	ND	2.0	ng/L	1		SOP 434-PFAAS	8/29/17	9/6/17 14:58	BLM
Perfluorooctanoic acid (PFOA)	ND	2.0	ng/L	1		SOP 434-PFAAS	8/29/17	9/6/17 14:58	BLM
Perfluorooctanesulfonic acid (PFOS)	ND	2.0	ng/L	I		SOP 434-PFAAS	8/29/17	9/6/17 14:58	BLM
Perfluorononanoic acid (PFNA)	ND	2.0	ng/L	1		SOP 434-PFAAS	8/29/17	9/6/17 14:58	BLM
Perfluorodecanoic acid (PFDA)	ND	2.0	ng/L	1		SOP 434-PFAAS	8/29/17	9/6/17 14:58	BLM
NMeFOSAA	ND	2.0	ng/L	1 .		SOP 434-PFAAS	8/29/17	9/6/17 14:58	BLM
Perfluoroundecanoic acid (PFUnA)	ND	2.0	ng/L	1	-	SOP 434-PFAAS	8/29/17	9/6/17 14:58	BLM
NEtFOSAA	ND	2.0	ng/L	1		SOP 434-PFAAS	8/29/17	9/6/17 14:58	BLM
Perfluorododecanoic acid (PFDoA)	ND	2.0	ng/L	1		SOP 434-PFAAS	8/29/17	9/6/17 14:58	BLM
Perfluorotridecanoic acid (PFTrDA)	ND	2.0	ng/L	1		SOP 434-PFAAS	8/29/17	9/6/17 14:58	BLM
Perfluorotetradecanoic acid (PFTA)	ND	2.0	ng/L	. 1		SOP 434-PFAAS	8/29/17	9/6/17 14:58	BLM
Surrogates		% Recove	ry Recovery Limit	S	Flag/Qual				
13C-PFHxA		101	70-130					9/6/17 14:58	
13C-PFDA		101	70-130					9/6/17 14:58	
d5-NEtFOSAA		84.9	70-130					9/6/17 14:58	



#### Sample Extraction Data

Prep Method: EPA 537-SOP 434-PFAAS

Lab Number [Field ID]	Batch	Initial [mL]	Final (mL)	Date
17H145I-01 [1880 East Mountain Rd - 1]	B185125	250	1,00	08/29/17



#### QUALITY CONTROL

#### Miscellaneous Organic Analyses - Quality Control

	n .	Reporting	¥7-74-	Spike	Source	0/DCC	%REC	nnn	RPD	Motor
Analyte	Result	Limit	Units	Level	Result	%REC	Limits	RPD	Limit	Notes
Batch B185125 - EPA 537										
Biank (B185125-BLK1)				Prepared: 08	3/29/17 Analy	yzed: 08/31/1	7			
Perfluorobutanesulfonic acid (PFBS)	ND	2.0	ng/L							
Perfluorohexanoic acid (PFHxA)	ND	2.0	ng/L							
Perfluoroheptanoic acid (PFHpA)	ND	2.0	ng/L							
Perfluorohexanesulfonic acid (PFHxS)	ND	2,0	ng/L							
Perfluorooctanoic acid (PFOA)	ND	2.0	ng/L							
Perfluorooctanesulfonic acid (PFOS)	ND	2.0	ng/L							
Perfluorononanoic acid (PFNA)	ND	2.0	ng/L				•			
Perfluorodecanoic acid (PFDA)	ND	2:0	ng/L							
NMeFOSAA	ND	2.0	ng/L							
Perfluoroundecanoic acid (PFUnA)	ND	2.0	ng/L							
NEtFOSAA	ND	2.0	ng/L							
Perfluorododecanoic acid (PFDoA)	. ND	2.0	ng/L							
Perfluorotridecanoic acid (PFTrDA)	ND	2.0	ng/L							
Perfluorotetradecanoic acid (PFTA)	ND	2.0	ng/L							•
Surrogate: 13C-PFHxA	38.3		ng/L	40,0		95.8	70-130			
urrogate: 13C-PFDA	36.6		ng/L	40.0		91.5	70-130			
surrogate: d5-NEtFOSAA	117		ng/L	160		73.4	70-130			
LCS (B185125-BS1)				Prepared: 08	3/29/17 Anal	yzed: 08/31/1	.7			
Perfluorobutanesulfonic acid (PFBS)	1.63	2.0	ng/L	1.77		92.2	70-130			
Perfluorohexanoic acid (PFHxA)	2,31	2.0	ng/L	2.00		115	70-130			
Perfluoroheptanoic acid (PFHpA)	1.96	2.0	ng/L	2.00		97.9	70-130			
Perfluorohexanesulfonic acid (PFHxS)	1.91	2.0	ng/L	1.82		105	70-130			
Perfluorooctanoic acid (PFOA)	2.29	2.0	ng/L	2.00		114	70-130			
Perfluorooctanesulfonic acid (PFOS)	1,69	2.0	ng/L	1.85		91.2	70-130			
Perfluorononanoic acid (PFNA)	1.94	2.0	ng/L	2,00		97.0	70-130			
Perfluorodecanoic acid (PFDA)	1.80	2.0	ng/L	2.00		90.2	70-130			
NMeFOSAA	2,06	2.0	ng/L	2.00		103	70-130			
Perfluoroundecanoic acid (PFUnA)	1,78	2.0	ng/L	2.00		89.2	70-130			
NEtFOSAA	2.13	2.0	ng/L	2.00		107	70-130			
erfluorododecanoic acid (PFDoA)	1.67	2.0	ng/L	2.00		83.4	70-130			
erfluorotridecanoic acid (PFTrDA)	1.52	2.0	ng/L	2.00		76.1	70-130			
Perfluorotetradecanoic acid (PFTA)	1.51	2.0	ng/L	2,00		75.3	70-130			
Surrogate: 13C-PFHxA	39.1		ng/L	40.0		97.9	70-130			
Surrogate: 13C-PFDA	41.3		ng/L	40.0		103	70-130			
Surrogate: d5-NEtFOSAA	136		ng/L	160		84.7	70-130			



#### FLAG/QUALIFIER SUMMARY

*	QC result	is outside of	establis	hed li	mits.
	**** 4				***

† Wide recovery limits established for difficult compound.

Wide RPD limits established for difficult compound.

# Data exceeded client recommended or regulatory level

ND Not Detected

RL Reporting Limit

DL Method Detection Limit

MCL Maximum Contaminant Level

Percent recoveries and relative percent differences (RPDs) are determined by the software using values in the

calculation which have not been rounded.

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



#### CERTIFICATIONS

Certified Analyses included in this Report

Analyte

Certifications

No certified Analyses included in this Report

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

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

**Table of Contents** 

ISHIHLI

CON-test

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

Doc # 381 Rev 1\_03242017

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	Fax: 413-525-6405		Requested Turnaround Time		Toung T	me			ŀ		27010101010000		
ATC	ATC Group Services		7-Day C		10-0ay	, 7	0 0	- 2	7			ن ا و ا	# of Containers
73.7	73 William Franks Drive, West Springfield, MA		Rusha	Oproval	Rush-Approval Required	72	) a	┿	- >			la Pres	Preservation Code
(41.	(413) 781-0070		Day	3-5	3-Dav			+-	- 1	ANAI YSIS REDITECTED	IFCTED.		Contrainer Code
188	1880 East Mountain Rd, Westfield		2-Day	1-4				JO.	- -			c	O Field Filtered
188	1880 East Mountain Rd, Westfield			Data Delivery	very			L '59		· · · · ·		O:O	O dab to Eliter
183	183EM00170		итаt: PDF	Š		9	233	JNE					
Rob	Rob Smith		Other:				dol	JAAI					Orthophasphale Samples
Con-Test Quote Name/Number:	Address of the state of the sta		CLP Like Data Pkg Required:	g Requir	ed:		I J	н 'ə				Ò	O Field Filtered
***************************************	Andrew State		Email To:				V V.c	ъ, г				0	O Las to military
413 ·	Elizabeth O'Connor		Fax To #:				<u>13</u>	∀ 7\					
Con-Test Work Order#	Cilent Sample ID // Description	Beginning Date/Time	Ending Composite		Grab 'Matrix'	ocode Code	i edeas	\TOT					Matrix Codes:
188	1880 East Mountain Rd - field blank	8/25/2017.	10:22		MO ×	٦	×			<del> </del>		; ≨ ≥ 2 	WW = Waste Water DW = Drinking Water
188	1880 East Mountain Rd - 1	8/25/2017	10:36		ΜΩ ×	ם `	×	×					A Air a
188	1880 East Mountain Rd - 2	8/25/2017	10:37		Ãd ×	⊃ `	×						SL = Studge
					ļ				 			86	SOL = Solid O = Other (please
					ļ					<b> </b>		<b>8</b>	define)
												₹N \	2 Preservation Codes:
				<u> </u>				$\vdash$					H=HCL
				<u> </u>								×× ×× ×× ×× ×× ×× ×× ×× ×× ××	M = Methanol N = Nitric Acid
										<b> </b>		, m 	S ≝ Sulfuric Acid B≅ Sodium Bisulfate
								-				X:	X = Sodium Hydroxide T = Sodium
Comments: RUN EPA Method 537: 1880 East Mountain Rd-1 EYTPACT & HOI D EDA Method 537- 1880 504 M	المراط أمال المراط أمالهما		C 7 L	-	Pleč	sse use th	e follow	ing cod	es to indica	te possib	Please use the following codes to indicate possible sample concentration	VICTORIA	Thiosulfate  O = Other (please
HOLD As, Fe, Hardness, TOC		1000 Ed.	וססת במזר אתחוומווו את-2		•••	ï	wit gh; M -	nin the Medium	within the Conc Code column above: H - High; M - Medfum; C - Low; C - Clean; U -	Column a	column above: C - Clean; U - Unknown		<sup>3</sup> Container Codes:
Relinquished by: (signature)	Date/Time: 8/25/17 13:30	Detection Li	mit Requireme	nts	Specia	Special Requirements MA MCP Requir	equiirements MA MCP Required	red				404	A = Amber Glass G = Glass P = Plastic
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CO VOL	#125/17 17:30 Date/Time:					AAA Ctate DW Damies	M Dagita	7			www.comparation.com	0.5	O = Other (please define)
Calledo.	8951) Dizo	Other:		£	PWSID #	מים לב	inhau .	3					
Suddene)	Date/Time:	Project Entity	ity Government	. Wu	Municipality		MWRA	 ≅.	WRTA	Other			PCB ONLY Soxhlet
(Signature)	8/28/17 1815		rederal	21 J	21 J. Perimetalia		School	<u>ت</u> :		<del>'</del> 	_ AIHA-LAP,LLC		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 will be brought to the attention of the Client - State True or False

Client	A`	TC							
Receiv	ed By	<u>2W</u>		Date	<u>8/25</u>	717	Time	1815	
How were th	ne samples	In Cooler	T	No Cooler	ŕ	On Ice	T	No Ice	
receiv	/ed?	Direct from Samp	olina	_	1	Ambient		Melted Ice	
		Direct nem camp	By Gun#	1		Actual Tem	p- 3.	- +	
Were sam			•				Maria de la Company de la Comp		
Temperatu		<u> </u>	By Blank #			Actual Tem		1.0	
	Custody Se		_N/A_		-	s Tampered		NIA	
	COC Relin				S Chain Agr	ree With Sar	nples?		
		eaking/loose caps	on any sam					****	
Is COC in in	-					ved within ho			
Did COC i		Client		Analysis	<u> </u>	•	er Name		
pertinent In		Project		ID's		Collection	Dates/Times	3	
•		out and legible?		•	1875				
Are there La		•	~/m			s notified?			
Are there Ru			-N/H			notified?			
Are there Sh		•	<u>~//~</u>		wno was	s notified?			
Is there enou	-			•	MS/MSD?	a. la			
	•	ere applicable?		•			uirod?	11/A	
Proper Medi						samples req	urea?	<u> </u>	
Were trip bla			-MA		On COC?		Base		
Do all sampl	es nave tne	proper pH?		Acid _			Dase		somotom transfer to the
Vials	H	Containers	*			<b>B</b>			
Unp-		1 Liter Amb.		1 Liter I				z Amb.	
HCL-	2	500 mL Amb.		500 mL				nb/Clear	
				ואוואני	Plastic	3	40Z AT	nb/Clear	
Meoh-		250 mL Amb.					Δ Δ	nh/Class	
Bisulfate-		Col./Bacteria		Flash				nb/Clear	
Bisulfate- DI-		Col./Bacteria Other Plastic		Flash Other	Glass		En	nb/Clear core	
Bisulfate- DI- Thiosulfate-		Col./Bacteria Other Plastic SOC Kit		Flash Other Plastic	Glass Bag				
Bisulfate- DI-		Col./Bacteria Other Plastic		Flash Other Plastic Zipk	Glass Bag ock		En		
Bisulfate- DI- Thiosulfate- Sulfuric-		Col./Bacteria Other Plastic SOC Kit Perchlorate		Flash Other Plastic	Glass Bag ock		En		
Bisulfate- DI- Thiosulfate- Sulfuric- Vials	4	Col./Bacteria Other Plastic SOC Kit Perchlorate	7	Flash Other Plastic Ziple Unused h	Glass Bag ock Media	4	En Frozen:	core	
Bisulfate- DI- Thiosulfate- Sulfuric- Viais Unp-	#	Col./Bacteria Other Plastic SOC Kit Perchlorate  Containers: 1 Liter Amb.		Flash Other Plastic Zipk Unused:1	Glass Bag ock Medla Plastic	4	En Frozen: 16 o:	z Amb.	<b>*</b>
Bisulfate- DI- Thiosulfate- Sulfuric- Vials Unp- HCL-		Col./Bacteria Other Plastic SOC Kit Perchlorate  Containers 1 Liter Amb. 500 mL Amb.		Flash Other Plastic Zipk Unused 1 1 Liter 500 mL	Glass Bag ock Media Plastic Plastic	#	En Frozen: 16 o: 8oz Ar	z Amb. nb/Clear	<b>*</b>
Bisulfate- DI- Thiosulfate- Sulfuric- Vials Unp- HCL- Meoh-	4	Col./Bacteria Other Plastic SOC Kit Perchlorate  Containers: 1 Liter Amb. 500 mL Amb. 250 ml. Amb.	#	Flash Other Plastic Zipk Unused 1 Liter   500 mL 250 mL	Glass Bag ock Media Plastic Plastic Plastic Plastic	<b>1</b>	En Frozen: 16 o: 8oz Ar 4oz Ar	z Amb. nb/Clear	
Bisulfate- DI- Thiosulfate- Sulfuric- Vials Unp- HCL- Meoh- Bisulfate-	4	Col./Bacteria Other Plastic SOC Kit Perchlorate  Containers: 1 Liter Amb. 500 mL Amb. 250 mL Amb. Col./Bacteria		Flash Other Plastic Ziple Unused 1 Liter I 500 mL 250 mL Flash	Glass Bag ock Media Plastic Plastic Plastic point	#	En Frozen: 16 o: 8oz Ar 4oz Ar 2oz Ar	z Amb. mb/Clear mb/Clear mb/Clear	<b>4</b> 5
Bisulfate- DI- Thiosulfate- Sulfuric- Vials Unp- HCL- Meoh- Bisulfate- DI-	#	Col./Bacteria Other Plastic SOC Kit Perchlorate  Containers 1 Liter Amb, 500 mL Amb, 250 mL Amb, Col./Bacteria Other Plastic		Flash Other Plastic Ziple Unused:  1 Liter I 500 mL 250 mL Flash Other	Glass Bag ock Media Plastic Plastic Plastic Plastic point Glass	#	En Frozen: 16 o: 8oz Ar 4oz Ar 2oz Ar	z Amb. nb/Clear	
Bisulfate- DI- Thiosulfate- Sulfuric- Vials Unp- HCL- Meoh- Bisulfate- DI- Thiosulfate-	***	Col./Bacteria Other Plastic SOC Kit Perchlorate  Containers 1 Liter Amb. 500 mL Amb. 250 mL Amb. Col./Bacteria Other Plastic SOC Kit		Flash Other Plastic Zipk Unused 1  1 Liter 500 mL 250 mL Flash Other Plastic	Glass Bag ock Media Plastic Plastic Plastic Plastic Point Glass Bag	#	En Frozen: 16 o: 8oz Ar 4oz Ar 2oz Ar	z Amb. mb/Clear mb/Clear mb/Clear	
Bisulfate- DI- Thiosulfate- Sulfuric-  Vials Unp- HCL- Meoh- Bisulfate- DI- Thiosulfate- Sulfuric-		Col./Bacteria Other Plastic SOC Kit Perchlorate  Containers 1 Liter Amb, 500 mL Amb, 250 mL Amb, Col./Bacteria Other Plastic		Flash Other Plastic Ziple Unused:  1 Liter I 500 mL 250 mL Flash Other	Glass Bag ock Media Plastic Plastic Plastic Plastic Point Glass Bag	<b>1</b>	En Frozen: 16 o: 8oz Ar 4oz Ar 2oz Ar	z Amb. mb/Clear mb/Clear mb/Clear	
Bisulfate- DI- Thiosulfate- Sulfuric- Vials Unp- HCL- Meoh- Bisulfate- DI- Thiosulfate-		Col./Bacteria Other Plastic SOC Kit Perchlorate  Containers 1 Liter Amb. 500 mL Amb. 250 mL Amb. Col./Bacteria Other Plastic SOC Kit		Flash Other Plastic Zipk Unused 1  1 Liter 500 mL 250 mL Flash Other Plastic	Glass Bag ock Media Plastic Plastic Plastic Plastic Point Glass Bag	<b>4</b>	En Frozen: 16 o: 8oz Ar 4oz Ar 2oz Ar	z Amb. mb/Clear mb/Clear mb/Clear	₩ <sub>0</sub>
Bisulfate- DI- Thiosulfate- Sulfuric-  Vials Unp- HCL- Meoh- Bisulfate- DI- Thiosulfate- Sulfuric-		Col./Bacteria Other Plastic SOC Kit Perchlorate  Containers 1 Liter Amb. 500 mL Amb. 250 mL Amb. Col./Bacteria Other Plastic SOC Kit		Flash Other Plastic Zipk Unused 1  1 Liter 500 mL 250 mL Flash Other Plastic	Glass Bag ock Media Plastic Plastic Plastic Plastic Point Glass Bag	*	En Frozen: 16 o: 8oz Ar 4oz Ar 2oz Ar	z Amb. mb/Clear mb/Clear mb/Clear	
Bisulfate- DI- Thiosulfate- Sulfuric-  Vials Unp- HCL- Meoh- Bisulfate- DI- Thiosulfate- Sulfuric-		Col./Bacteria Other Plastic SOC Kit Perchlorate  Containers 1 Liter Amb. 500 mL Amb. 250 mL Amb. Col./Bacteria Other Plastic SOC Kit		Flash Other Plastic Zipk Unused 1  1 Liter 500 mL 250 mL Flash Other Plastic	Glass Bag ock Media Plastic Plastic Plastic Plastic Point Glass Bag	#	En Frozen: 16 o: 8oz Ar 4oz Ar 2oz Ar	z Amb. mb/Clear mb/Clear mb/Clear	
Bisulfate- DI- Thiosulfate- Sulfuric-  Vials Unp- HCL- Meoh- Bisulfate- DI- Thiosulfate- Sulfuric-		Col./Bacteria Other Plastic SOC Kit Perchlorate  Containers 1 Liter Amb. 500 mL Amb. 250 mL Amb. Col./Bacteria Other Plastic SOC Kit	7	Flash Other Plastic Zipk Unused 1  1 Liter 500 mL 250 mL Flash Other Plastic	Glass Bag ock Media Plastic Plastic Plastic Plastic Point Glass Bag	**************************************	En Frozen: 16 o: 8oz Ar 4oz Ar 2oz Ar	z Amb. mb/Clear mb/Clear mb/Clear	
Bisulfate- DI- Thiosulfate- Sulfuric-  Vials Unp- HCL- Meoh- Bisulfate- DI- Thiosulfate- Sulfuric-		Col./Bacteria Other Plastic SOC Kit Perchlorate  Containers 1 Liter Amb. 500 mL Amb. 250 mL Amb. Col./Bacteria Other Plastic SOC Kit	# ************************************	Flash Other Plastic Zipk Unused 1  1 Liter 500 mL 250 mL Flash Other Plastic	Glass Bag ock Media Plastic Plastic Plastic Plastic Point Glass Bag	<b>4</b>	En Frozen: 16 o: 8oz Ar 4oz Ar 2oz Ar	z Amb. mb/Clear mb/Clear mb/Clear	
Bisulfate- DI- Thiosulfate- Sulfuric-  Vials Unp- HCL- Meoh- Bisulfate- DI- Thiosulfate- Sulfuric-		Col./Bacteria Other Plastic SOC Kit Perchlorate  Containers 1 Liter Amb. 500 mL Amb. 250 mL Amb. Col./Bacteria Other Plastic SOC Kit		Flash Other Plastic Zipk Unused 1  1 Liter 500 mL 250 mL Flash Other Plastic	Glass Bag ock Media Plastic Plastic Plastic Plastic Point Glass Bag	*	En Frozen: 16 o: 8oz Ar 4oz Ar 2oz Ar	z Amb. mb/Clear mb/Clear mb/Clear	
Bisulfate- DI- Thiosulfate- Sulfuric-  Vials Unp- HCL- Meoh- Bisulfate- DI- Thiosulfate- Sulfuric-		Col./Bacteria Other Plastic SOC Kit Perchlorate  Containers 1 Liter Amb. 500 mL Amb. 250 mL Amb. Col./Bacteria Other Plastic SOC Kit		Flash Other Plastic Zipk Unused 1  1 Liter 500 mL 250 mL Flash Other Plastic	Glass Bag ock Media Plastic Plastic Plastic Plastic Point Glass Bag	#	En Frozen: 16 o: 8oz Ar 4oz Ar 2oz Ar	z Amb. mb/Clear mb/Clear mb/Clear	<u>.</u>
Bisulfate- DI- Thiosulfate- Sulfuric-  Vials Unp- HCL- Meoh- Bisulfate- DI- Thiosulfate- Sulfuric-		Col./Bacteria Other Plastic SOC Kit Perchlorate  Containers 1 Liter Amb. 500 mL Amb. 250 mL Amb. Col./Bacteria Other Plastic SOC Kit	1	Flash Other Plastic Zipk Unused 1  1 Liter 500 mL 250 mL Flash Other Plastic	Glass Bag ock Media Plastic Plastic Plastic Plastic Point Glass Bag	*	En Frozen: 16 o: 8oz Ar 4oz Ar 2oz Ar	z Amb. mb/Clear mb/Clear mb/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

September 13, 2017

Linda Allen 33 Indian Ridge Road Westfield, MA 01085

RE: Notice of Environmental Sampling

33 Indian Ridge Road

Westfield Private Well Sampling

Dear Ms. Allen:

The Department of Environmental Protection (DEP) collected a drinking water sample from your private well on August 25, 2017. The purpose of the sampling was to investigate whether your well has been affected by a release of perfluorinated compounds (PFCs) to local groundwater. The sample was sent to a certified laboratory and analyzed for PFC compounds by modified United States Protection Agency (EPA) Method 317.1. EPA has established a Lifetime Health Advisory level at 70 parts per trillion (ppt), for two specific compounds which have been the most extensively used and studied, PFOA (perfluorooctanoic acid) and PFOS (perfluorooctane sulfonic acid). If both PFOA and PFOS are identified in drinking water the combined concentrations are compared to the 70 ppt health advisory level. The Health Advisory offers a margin of protection from a lifetime of exposure to PFOA and PFOS for all individuals from adverse health effects resulting from exposure from PFOA and PFOS in drinking water. <sup>1</sup>

The sampling result indicated a total PFOA and PFOS concentration of 8.1 ppt in the drinking water sample. The results of a duplicate sample confirmed these results. This concentration is well below the health advisory level of 70 ppt. Based on the low concentrations of PFC compounds detected in the sample collected from your well, no further action, including additional sampling and/or mitigation measures (i.e. bottled water) are required at this time. However, additional sampling may be required in the future. The Department thanks you for granting access to your property.

Notice of Environmental Sampling 33 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 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 Zip Code: 01085
В.	This notice is being provided to the following party:
1.	Name: Linda Allen
2.	Street Address: 33 Indian Ridge Road
	City/Town: Westfield Zip Code: 01085
_	This notice is being given to inform its recipient (the party listed in Section B):
U.	
	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.)
	the environmental sampling must be attached to this hotice.)
	Location of the property where the environmental sampling will be/has been conducted:
1.	Street Address: 33 Indian Ridge Road
	City/Town: Westfield Zip Code: 01085
2.	MCP phase of work during which the sampling will be/has been conducted:
	☑ 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 ne of this notice.
	rinking water samples were collected from the private well located on the above-referenced
	operty and analyzed for PFAS compounds via EPA Method 537.1
F.	Contact information related to the party providing this notice:
	ontact Name: David Bachand
	reet Address: 436 Dwight Street
	ty/Town: Springfield Zip Code: 01103
	elephone: (413) 755-2221 Email: david.bachand.jr@state.ma.us

Revised: 5/30/2014



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

#### **BWSC123**

This Notice is Related to: Release Tracking Number

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	- 1
100	_

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 <a href="http://www.mass.gov/eea/agencies/massdep/cleanup">http://www.mass.gov/eea/agencies/massdep/cleanup</a>. 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 <a href="http://public.dep.state.ma.us/SearchableSites2/Search.aspx">http://public.dep.state.ma.us/SearchableSites2/Search.aspx</a> to view site-specific files on-line or <a href="http://mass.gov/eea/agencies/massdep/about/contacts/conduct-a-file-review.html">http://mass.gov/eea/agencies/massdep/about/contacts/conduct-a-file-review.html</a> 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



September 6, 2017

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

Project Location: 33 Indian Ridge Rd., Westfield, MA

Client Job Number:

Project Number: 183EM00170

Laboratory Work Order Number: 17H1446

Keny K. Mille

Enclosed are results of analyses for samples received by the laboratory on August 25, 2017. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Kerry K. McGee Project Manager

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B185125		8
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ATC Group Services LLC - West Springfield

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

REPORT DATE: 9/6/2017

PURCHASE ORDER NUMBER:

PROJECT NUMBER:

183EM00170

ANALYTICAL SUMMARY

WORK ORDER NUMBER:

17H1446

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

PROJECT LOCATION:

33 Indian Ridge Rd., Westfield, MA

FIELD SAMPLE #	LAB ID:	MATRIX	SAMPLE DESCRIPTION	TEST	SUB LAB
33 Indian Ridge Rd - 1	17H1446-01	Drinking Water		SOP 434-PFAAS	
33 Indian Ridge Rd - 3	17H1446-02	Drinking Water	•	SOP 434-PFAAS	



#### CASE NARRATIVE SUMMARY

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

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

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

Lisa A. Worthington Project Manager



Project Location: 33 Indian Ridge Rd., Westfield, M

Sample Description:

Work Order: 17H1446

Date Received: 8/25/2017

Field Sample #: 33 Indian Ridge Rd - 1

Sampled: 8/25/2017 09:34

Sample ID: 17H1446-01
Sample Matrix: Drinking Water

·			Mis	cellaneous Org	ganic Analys	es				
			MCL/SMCL					Date	Date/Time	
Analyte	Results	RĹ	MA ORSG	Units	Dilution	Flag/Qual	Method	Prepared	Analyzed	Analyst
Perfluorobutanesulfonic acid (PFBS)	4.3	2.0		ng/L	1		SOP 434-PFAAS	8/29/17	9/6/17 14:07	BLM
Perfluorohexanoic acid (PFHxA)	5.4	2.0		ng/L	1		SOP 434-PFAAS	8/29/17	9/6/17 14:07	BLM
Perfluoroheptanoic acid (PFHpA)	2.0	2.0		ng/L	1		SOP 434-PFAAS	8/29/17	9/6/17 14:07	BLM
Perfluorohexanesulfonic acid (PFHxS)	2.4	2.0		ng/L	1		SOP 434-PFAAS	8/29/17	9/6/17 14:07	BLM
Perfluorooctanoie acid (PFOA)	5.7	2.0		ng/L	1		SOP 434-PFAAS	8/29/17	9/6/17 14:07	BLM
Perfluorooctanesulfonic acid (PFOS)	2.4	2.0		ng/L	1		SOP 434-PFAAS	8/29/17	9/6/17 14:07	BLM
Perfluorononanoic acid (PFNA)	ND	2.0		ng/L	1		SOP 434-PFAAS	8/29/17	9/6/17 14:07	BLM
Perfluorodecanoic acid (PFDA)	ND	2.0		ng/L	1		SOP 434-PFAAS	8/29/17	9/6/17 14:07	BLM
NMeFOSAA	ND	2.0		ng/L	1		SOP 434-PFAAS	8/29/17	9/6/17 14:07	BLM
Perfluoroundecanoic acid (PFUnA)	ND	2.0	•	ng/L	1		SOP 434-PFAAS	8/29/17	9/6/17 14:07	BLM
NEtFOSAA	ND	2.0		ng/L	1		SOP 434-PFAAS	8/29/17	9/6/17 14:07	BLM
Perfluorododecanoic acid (PFDoA)	ND	2.0		ng/L	1		SOP 434-PFAAS	8/29/17	9/6/17 14:07	BLM
Perfluorotridecanoic acid (PFTrDA)	ND	2.0		ng/L	i		SOP 434-PFAAS	8/29/17	9/6/17 14:07	BLM
Perfluorotetradecanoic acid (PFTA)	ND	2.0		ng/L	1		SOP 434-PFAAS	8/29/17	9/6/17 14:07	BLM
Surrogates		% Rec	covery R	ecovery Limits		Flag/Qual				
13C-PFH×A		122		70-130					9/6/17 14:07	
13C-PFDA		90.6		70-130				•	9/6/17 14:07	
d5-NEtFOSAA		81.2		70-130					9/6/17 14:07	



Project Location: 33 Indian Ridge Rd., Westfield, M

Sample Description:

Work Order: 17H1446

Date Received: 8/25/2017

Field Sample #: 33 Indian Ridge Rd - 3

Sampled: 8/25/2017 09:47

Sample ID: 17H1446-02

Sample Matrix: Drinking Water

			Miscell	aneous Or	ganic Analys	es				
		1	MCL/SMCL					Date	Date/Time	
Analyte	Results	RL	MA ORSG	Units	Dilution	Flag/Qual	Method	Prepared	Analyzed	Analyst
Perfluorobutanesulfonic acid (PFBS)	3.1	2,0		ng/L	1		SOP 434-PFAAS	8/29/17	9/6/17 15:11	BLM
Perfluorohexanoic acid (PFHxA)	5.0	2.0		ng/L	1		SOP 434-PFAAS	8/29/17	9/6/17 15:11	BLM
Perfluoroheptanoic acid (PFHpA)	2.1	2.0		ng/L	1		SOP 434-PFAAS	8/29/17	9/6/17 15:11	BLM
Perfluorohexanesulfonic acid (PFHxS)	2.2	2.0		ng/L	1		SOP 434-PFAAS	8/29/17	9/6/17 15:11	BLM
Perfluorooctanoic acid (PFOA)	5.6	2.0		ng/L	1		SOP 434-PFAAS	8/29/17	9/6/17 15:11	BLM
Perfluorooctanesulfonic acid (PFOS)	ND	2.0		ng/L	i		SOP 434-PFAAS	8/29/17	9/6/17 15:11	BLM
Perfluorononanoic acid (PFNA)	ND	2.0		ng/L	i		SOP 434-PFAAS	8/29/17	9/6/17 15:11	BLM
Perfluorodecanoic acid (PFDA)	ND	2.0		ng/L	1		SOP 434-PFAAS	8/29/17	9/6/17 15:11	BLM
NMeFOSAA	ND	2.0		ng/L	1		SOP 434-PFAAS	8/29/17	9/6/17 15:11	BLM
Perfluoroundecanoic acid (PFUnA)	ND	2.0		ng/L	1		SOP 434-PFAAS	8/29/17	9/6/17 15:11	BLM
NEtFOSAA	ND	2.0		ng/L	1		SOP 434-PFAAS	8/29/17	9/6/17 15:11	BLM
Perfluorododecanoic acid (PFDoA)	ND	2,0		ng/L	1		SOP 434-PFAAS	8/29/17	9/6/17 15:11	BLM
Perfluorotridecanoic acid (PFTrDA)	ND	2.0		ng/L	1		SOP 434-PFAAS	8/29/17	9/6/17 15:11	BLM
Perfluorotetradecanoic acid (PFTA)	ND	2.0		ng/L	1		SOP 434-PFAAS	8/29/17	9/6/17 15:11	BLM
Surrogates		% Reco	very Recov	very Limits	3	Flag/Qual				
13C-PFHxA		113	7	70-130					9/6/17 15:11	
13C-PFDA		101	7	70-130					9/6/17 15:11	
d5-NEtFOSAA	÷	78.8	7	70-130					9/6/17 15:11	



### Sample Extraction Data

Prep Method: EPA 537-SOP 434-PFAAS

Lab Number [Field ID]	Batch	Initial [mL]	Final [mL]	Date	
17H1446-01 [33 Indian Ridge Rd - 1]	B185125	250	1.00	08/29/17	
17H1446-02 [33 Indian Ridge Rd - 3]	B185125	250	1,00	08/29/17	



### QUALITY CONTROL

### Miscellaneous Organic Analyses - Quality Control

Analista	Danit	Reporting	T T-14-	Spike	Source	A/DEC	%REC	non	RPD	<b></b>
Analyte	Result	Limit	Units	Level	Result	%REC	Limits	RPD	Limit	Notes
Batch B185125 - EPA 537										
Blank (B185125-BLK1)				Prepared: 08	3/29/17 Anal	yzed: 08/31/	17			
Perfluorobutanesulfonic acid (PFBS)	ND	2.0	ng/L							
Perfluorohexanoic acid (PFHxA)	ND	2.0	ng/L							
Perfluoroheptanoic acid (PFHpA)	ND	2.0	ng/L							
Perfluorohexanesulfonic acid (PFHxS)	ND	2.0	ng/L							
Perfluoreoctanoic acid (PFOA)	ND	2.0	ng/L							
Perfluorooctanesulfonic acid (PFOS)	ND	2.0	ng/L							
Perfluorononanoic acid (PFNA)	ND	2.0	ng/L							
Perfluorodecanoic acid (PFDA)	ND	2.0	ng/L							
NMeFOSAA	ND	2.0	ng/L							
Perfluoroundecanoic acid (PFUnA)	ND	2.0	ng/L							
NEtFOSAA	ND	2.0	ng/L							
Perfluorododecanoic acid (PFDoA)	ND	2.0	ng/L							
Perfluorotridecanoic acid (PFTrDA)	ND	2,0	ng/L							
Perfluorotetradecanoic acid (PFTA)	ND	2.0	ng/L							
Surrogate: 13C-PFHxA	38.3		ng/L	40.0		95.8	70-130			
Surrogate: 13C-PFDA	36.6		ng/L	40.0		91.5	70-130			
Surrogate: d5-NEtFOSAA	117		ng/L	160		73.4	70-130			
LCS (B185125-BS1)	•			Prepared: 08	/29/17 Analy	zed: 08/31/1	17			
Perfluorobutanesulfonic acid (PFBS)	1.63	2.0	ng/L	1.77		92.2	70-130			
Perfluorohexanoic acid (PFHxA)	2,31	2.0	ng/L	2.00		115	70-130			
Perfluoroheptanoic acid (PFHpA)	1.96	2,0	ng/L	2.00		97,9	70-130			
Perfluorohexanesulfonic acid (PFHxS)	1.91	2.0	ng/L	1.82		105	70-130			
Perfluorooctanoic acid (PFOA)	2,29	2.0	ng/L	2.00		114	70-130			
Perfluorooctanesulfonic acid (PFOS)	1.69	2.0	ng/L	1.85		91.2	70-130			
Perfluorononanoic acid (PFNA)	1.94	2.0	ng/L	2.00		97.0	70-130	•		
Perfluorodecanoic acid (PFDA)	1.80	2.0	ng/L	2,00		90.2	70-130			
NMeFOSAA	2.06	2.0	ng/L	2.00		103	70-130			
Perfluoroundecanoic acid (PFUnA)	1.78	2.0	ng/L	2.00		89.2	70-130			
NEtFOSAA	2.13	2,0	ng/L	2.00		107	70-130			
Perfluorododecanoic acid (PFDoA)	1,67	2.0	ng/L	2,00		83.4	70-130			
Perfluorotridecanoic acid (PFTrDA)	1,52	2.0	ng/L	2.00		76.1	70-130			
Perfluorotetradecanoic acid (PFTA)	1.51	2.0	ng/L	2.00		75,3	70-130			
Surrogate: 13C-PFHxA	39.1		ng/L	40.0		97.9	70-130			
Вштоgate: 13C-PFDA	41.3		ng/L	40.0		103	70-130			
Surrogate: d5-NEtFOSAA	136		ng/L	160		84.7	70-130			



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

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



### CERTIFICATIONS

Certified Analyses included in this Report

Analyte

Certifications

No certified Analyses included in this Report

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

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

9441 HCI

http://www.contestlabs.com

Doc # 381 Rev 1\_03242017

S = Sulfuric Acid B = Sodium Bisulfate X = Sodium Hydroxide Preservation Codes: Dissolved Metals Samp DW = Drinking Water S = Summa Canister 3 Container Codes: A = Amber Glass GW = Ground Water WW = Waste Water S = Soil SL = Studge SOL = Solid O = Other (please O = Other (please Page \_\_1\_\_\_ of \_\_\_1\_\_ O = Other (please Non Soxhlet PCB ONLY Orthophosphate S O .Field Filtered r = Tedlar Bag Soxhlet ¹ Matrix Codes: N = Nitric Acid <sup>2</sup> Preservation Code ST ± Sterile O - Field Filtered O Lab to Filter O Lab to Filter M = Methanol G≅ Glass Container Code = Sodium Thiosulfate TRIZMA P = Plastic ાષ્ટ્રાં તે ∌ # of Containers define) define) A = Air )≡!ced define Please use the following codes to indicate possible sample concentration con-test® Chromatogram www.contestlabs.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 WRTA ı. MA MCP Required MCP Certification Form Required CT RCP Required RCP Certification Form Required School × MWRA MA State DW Required MBTA Δ. TOTAL As, Fe, HARDNESS, TOC Special Requirements 0 ۵ **EPA METHOD 537** × × × Code Code \_ ₽  $\Rightarrow$  $\supset$ Matrix CHAIN OF CUSTODY RECORD  $\mathbf{\hat{z}}$ Municipality ΜO ձ Rush-Approval Required ž λQ Brownfield PWSID # Delivery 10-Day EXCEL 3-Day 4-Day Grab CLP Like Data Pkg Required: × × × Composite Detection Limit Requirements Due Date: 5-day TAT Government Ending Date/Time Email To: Fax To #: Federal Format: EXTRACT & HOLD EPA Method 537: 33 Indian Ridge Rd-field blank & 33 Indian Ridge Rd-2 9:23 7 9:35 9:47 Other: 1-Day 2-Day Çţţ Project Entity Beginning Date/Time 8/25/2017 8/25/2017 8/25/2017 8/25/2017 10 73 William Franks Drive, West Springfield, MA 1330 233 Email: info@contestlabs.com 13:30 5/8/ RUN EPA Method 537: 33 Indian Ridge Rd-1 and 33 Indian Ridge Rd-3 Client Sample ID / Description 33 Indian Ridge Rd - field blank 33 Indian Ridge Rd, Westfield 33 Indian Ridge Rd, Westfield Date/Time: | 8/25/17 Date/Time: Fax: 413-525-6405 F1/52/8 Date/Time: 8/25/17 Date/Time: Date/Time 8351) 33 Indían Ridge Rd - 2 33 Indian Ridge Rd - 3 33 Indian Ridge Rd - 1 ATC Group Services Elizabeth O'Connol (413) 781-0070 183EM00170 Rob Smith Waleth K. Orland \$.5 re Kigriator Con-Test Quote Name/Number: HOLD As, Fe, Hardness, TOC CON-test Relinquished by: (signature) Received by: (signature) SAPADIE YEKII Retinguished by: (signa Con-Test Work Order# Invoice Recipient: Company Name. Project Name: Project Location: Project Manager: Project Number: Sampled By: Address: 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	A	TC				_1			
Receiv	ed By	2W	· · · · · · · · · · · · · · · · · · ·	Date	8/25	7/17	Time	1815	
How were th	ne samples	In Cooler	T	No Cooler		On Ice		No Ice	
receiv	/ed?	Direct from Sam	oling	•		Ambient		Melted Ice	
			By Gun#			Actual Tem	o- 3. <sup>(</sup>		
Were samp		+	By Blank #	1		Actual Tem	··		
Temperatu		nol Intent?	· · I.	Ma	ro Sample	s Tampered		NA	
	Custody Se COC Relin		N/A		•	ree With Sar		<u> </u>	
		eaking/loose caps	on any sam		S Chair Agi	ice with car	npics:		
Is COC in in		- ·	on any sam		noles recei	ved within ho	oldina time?	7	
Did COC is		Client	` <del>\</del>	Analysis	Т		er Name	T	
pertinent Int		Project	+	ID's	T		Dates/Times	<del></del>	
•		out and legible?	+	•		•			
Are there La			NA		Who was	s notified?			
Are there Ru			NA		Who was	s notified?			
Are there Sh	ort Holds?		NIA		Who was	s notified?			
ls there enou	ıgh Volume	?				1			
ls there Hea	dspace whe	ere applicable?	Т		MS/MSD?			1.	
Proper Medi					, ,	samplés req	uired?	NA	
Were trip bla			N/A		On COC?	<u>~/A</u>	_	′	
Do all sampl	es have the	proper pH?	•	Acid	T	•	Base		
VEITE	T T	<b>Puntalnijos</b>							
Unp-		1 Liter Amb.		1 Liter				Amb.	
HCL-	2	500 mL Amb.		500 mL		<b>A</b>		nb/Clear	
Meoh-		250 mL Amb.	· .	250 mL		5		nb/Clear nb/Clear	
Bisulfate-		Col./Bacteria Other Plastic		Flash Other				core	
DI- Thiosulfate-		SOC Kit		Plastic			Frozen:	0010	
Sulfuric-		Perchlorate		Zipl			, , , , , , , , , , , , , , , , , , , ,		
Odijario									
Vins -		Containue		Unusedil	01601018				
Unp-		1 Liter Amb.		1 Liter	Plastic		16 oz	≥ Amb.	
HCL-		500 mL Amb.		500 mL				nb/Clear	
Meoh-		250 mL Amb.		250 mL			4oz An	nb/Clear	
Bisulfate-		Col./Bacteria		Flash	point		2oz An	nb/Clear	
DI-		Other Plastic		Other	Glass			core	
Thiosulfate-		SOC Kit		Plastic			Frozen:		
Sulfuric-		Perchlorate	<u></u>	Zipl	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

September 13, 2017

Richard & Esther Brown 22 Indian Ridge Road Westfield, MA 01085

RE:

Notice of Environmental Sampling

22 Indian Ridge Road

Westfield Private Well Sampling

Dear Mr. & Mrs. Brown:

The Department of Environmental Protection (DEP) collected a drinking water sample from your private well on August 25, 2017. The purpose of the sampling was to investigate whether your well has been affected by a release of perfluorinated compounds (PFCs) to local groundwater. The sample was sent to a certified laboratory and analyzed for PFC compounds by modified United States Protection Agency (EPA) Method 317.1. EPA has established a Lifetime Health Advisory level at 70 parts per trillion (ppt), for two specific compounds which have been the most extensively used and studied, PFOA (perfluorooctanoic acid) and PFOS (perfluorooctane sulfonic acid). If both PFOA and PFOS are identified in drinking water the combined concentrations are compared to the 70 ppt health advisory level. The Health Advisory offers a margin of protection from a lifetime of exposure to PFOA and PFOS for all individuals from adverse health effects resulting from exposure from PFOA and PFOS in drinking water. <sup>1</sup>

The sampling result indicated a total PFOA and PFOS concentration of 8.4 ppt in the drinking water sample. The results of a duplicate sample confirmed these results. This concentration is well below the health advisory level of 70 ppt. Based on the low concentrations of PFC compounds detected in the sample collected from your well, no further action, including additional sampling and/or mitigation measures (i.e. bottled water) are required at this time. However, additional sampling may be required in the future. The Department thanks you for granting access to your property.

Notice of Environmental Sampling 22 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 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-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

### NOTICE OF ENVIRONMENTAL SAMPLING

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

rtologoo	TIGORITY TOTAL	-
1	- 20093	-

A. The address of	f the disposal site related to	this Notice	and Release Tracking Number (provided above):						
Street Address:	: 175 Falcon Drive								
City/Town: We	estfield	Zip Code:	01085						
B. This notice is to 1. Name: Richard	peing provided to the follow	ing party:							
<del></del>			<del></del>						
2. Street Address:	22 Indian Ridge Road		<del></del>						
City/Town: We	estfield	Zip Code:	01085						
C. This notice is I	being given to inform its rec	ipient (the p	party listed in Section B):						
1. That env	vironmental sampling will be/h	as been con	ducted at property owned by the recipient of this notice.						
2. Of the re	esults of environmental sampli	ng conducte	d 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 enviror	ımental san	pling will be/has been conducted:						
1. Street Address:	22 Indian Ridge Road								
City/Town: We	estfield	Zip Code:	01085						
2. MCP phase of v	vork during which the samplin	g will be/has	been conducted:						
	esponse Action tement Measure		e III Feasibility Evaluation e IV Remedy Implementation Plan						
	I Abatement Measure		e V/Remedy Implementation Flam e V/Remedy Operation Status						
	al Site Investigation nprehensive Site Assessment		Temporary Solution Operation, Maintenance and Monitoring						
Friase ii Con	iprenensive one Assessment		(specify)						
3. Description of p	roperty where sampling will be	e/has been d	conducted:						
<b>☑</b> reside	ential commercial	industrial	school/playground Other(specify)						
4. Description of th	ne sampling locations and type	es (e.g., soil,	groundwater, indoor air, soil gas) to the extent known at the						
time of this notice.		, -							
	samples were collected fr alyzed for PFAS compou		vate well located on the above-referenced PA Method 537 1						
property and an	diy20d for 1 1 710 dompoc	indo via Ei	, (Motified 60).1						
	ation related to the party pro avid Bachand	oviding this	notice:						
Street Address: 43									
City/Town: Spring		Zip Code:	01103						
Telephone: (413)		•	vid.bachand.jr@state.ma.us						

Revised: 5/30/2014

Page 1 of 2



# Massachusetts Department of Environmental Protection Bureau of Waste Site Cleanup

### **BWSC123**

This Notice is Related to: Release Tracking Number

1			
P	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 <a href="http://www.mass.gov/eea/agencies/massdep/cleanup">http://www.mass.gov/eea/agencies/massdep/cleanup</a>. 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 <a href="http://public.dep.state.ma.us/SearchableSites2/Search.aspx">http://public.dep.state.ma.us/SearchableSites2/Search.aspx</a> to view site-specific files on-line or <a href="http://mass.gov/eea/agencies/massdep/about/contacts/conduct-a-file-review.html">http://mass.gov/eea/agencies/massdep/about/contacts/conduct-a-file-review.html</a> 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



September 6, 2017

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

Project Location: 22 Indian Ridge Rd., Westfield, MA

Client Job Number:

Project Number: 183EM00170

Laboratory Work Order Number: 17H1447

Keny K. Mille

Enclosed are results of analyses for samples received by the laboratory on August 25, 2017. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Kerry K. McGee Project Manager

### Table of Contents

Sample Summary	3
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Miscellaneous Organic Analyses	7
B185125	7
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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:

PROJECT NUMBER:

183EM00170

ANALYTICAL SUMMARY

WORK ORDER NUMBER:

17H1447

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

PROJECT LOCATION:

22 Indian Ridge Rd., Westfield, MA

FIELD \$AMPLE#

LAB ID:

MATRIX

SAMPLE DESCRIPTION

TEST

SUB LAB

REPORT DATE: 9/6/2017

22 Indian Ridge Rd - 1

17H1447-01

Drinking Water

SOP 434-PFAAS



#### CASE NARRATIVE SUMMARY

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

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

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

Lisa A. Worthington Project Manager

na Wasthenster



Project Location: 22 Indian Ridge Rd., Westfield, M

Sample Description:

Work Order: 17H1447

Date Received: 8/25/2017

Field Sample #: 22 Indian Ridge Rd - 1

Sampled: 8/25/2017 11:27

Sample ID: 17H1447-01

Sample Matrix: Drinking Water

Sample Mattix. District water			Miscellaneous O	rganic Analys	es				
Analyte	Results		MCL/SMCL MA ORSG Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Perfluorobutanesulfonic acid (PFBS)	4.1	2.0	ng/L	1		SOP 434-PFAAS	8/29/17	9/6/17 14:33	BLM
Perfluorohexanoic acid (PFHxA)	3.5	2.0	ng/L	1		SOP 434-PFAAS	8/29/17	9/6/17 14:33	BLM
Perfluoroheptanoic acid (PFHpA)	ND	2,0	ng/L	. 1		SOP 434-PFAAS	8/29/17	9/6/17 14:33	BLM
Perfluorohexanesulfonic acid (PFHxS)	ND	2.0	ng/L	1		SOP 434-PFAAS	8/29/17	9/6/17 14:33	BLM
Perfluorooctanoic acid (PFOA)	4.3	2.0	ng/L	1		SOP 434-PFAAS	8/29/17	9/6/17 14:33	BLM
Perfluorooctanesulfonic acid (PFOS)	4,1	2.0	ng/L	i		SOP 434-PFAAS	8/29/17	9/6/17 14:33	BLM
Perfluorononanoic acid (PFNA)	ND	2.0	ng/L	1		SOP 434-PFAAS	8/29/17	9/6/17 14:33	BLM
Perfluorodecanoic acid (PFDA)	ND	2.0	ng/L	· 1		SOP 434-PFAAS	8/29/17	9/6/17 14:33	BLM
NMcFOSAA	ND	2.0	ng/L	1		SOP 434-PFAAS	8/29/17	9/6/17 14:33	BLM
Perfluoroundecanoic acid (PFUnA)	ND	2.0	ng/L	ı		SOP 434-PFAAS	8/29/17	9/6/17 14:33	BLM
NEtFOSAA	ND	2.0	ng/L	ı		SOP 434-PFAAS	8/29/17	9/6/17 14:33	BLM
Perfluorododecanoic acid (PFDoA)	ND	2.0	ng/L	1		SOP 434-PFAAS	8/29/17	9/6/17 14:33	BLM
Perfluorotridecanoic acid (PFTrDA)	ND	2.0	ng/L	1		SOP 434-PFAAS	8/29/17	9/6/17 14:33	BLM
Perfluorotetradecanoic acid (PFTA)	ND	2.0	ng/L	1		SOP 434-PFAAS	8/29/17	9/6/17 14:33	BLM
Surrogates		% Reco	very Recovery Lim	its	Flag/Qual				
13C-PFHxA		89.7	70-130					9/6/17 14:33	
13C-PFDA		94.6	70-130					9/6/17 14:33	
d5-NEtFOSAA		71.0	70-130					9/6/17 14:33	



### Sample Extraction Data

Prep Method: EPA 537-SOP 434-PFAAS

Lab Number [Field ID]	Batch	Initial [mL]	Final [mL]	Date	
17H1447-01 [22 Indian Ridge Rd - 1]	B185125	250	1.00	08/29/17	



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

### Miscellaneous Organic Analyses - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B185125 - EPA 537										
Blank (B185125-BLK1)			••••	Prepared: 08	1/29/17 Anal	yzed: 08/31/	17			
Perfluorobutanesulfonic acid (PFBS)	ND	2,0	ng/L							
Perfluorohexanoic acid (PFHxA)	ND	2,0	ng/L							
Perfluorohoptanoic acid (PFHpA)	ND	2.0	ng/L							
Perfluorohexanesulfonic acid (PFHxS)	ND	2.0	ng/L							
Perfluorooctanoic acid (PFOA)	ND	2.0	ng/L							
Perfluorooctanesulfonic acid (PFOS)	ND	2.0	ng/L							
Perfluorononanoic acid (PFNA)	ND	2.0	ng/L							
Perfluorodecanoic acid (PFDA)	ND	2.0	ng/L						,	
NMcFOSAA	ND	2.0	ng/L							
Perfluoroundecanoic acid (PFUnA)	ND	2.0	ng/L							
NEtFOSAA	ND	2.0	ng/L							
Perfluorododecanoic acid (PFDoA)	ND	2.0	ng/L							
Perfluorotridecanoic acid (PFTrDA)	ND	2.0	ng/L							
Perfluorotetradecanoic acid (PFTA)	ND	2.0	ng/L							
Surrogate: 13C-PFHxA	38.3		ng/L	40.0		95.8	70-130			
Surrogate: 13C-PFDA	36.6		ng/L	40.0		91.5	70-130			
Surrogate: d5-NEtFOSAA	117		ng/L	160		73.4	70-130			
LCS (B185125-BS1)				Prepared: 08	8/29/17 Anal	yzed; 08/31/	17			
Perfluorobutanesulfonic acid (PFBS)	1,63	2.0	ng/L	1.77		92.2	70-130			
Perfluorohexanoic acid (PFHxA)	2.31	2.0	ng/L	2,00		115	70-130			
Perfluoroheptanoic acid (PFHpA)	1.96	2.0	ng/L	2.00		97.9	70-130			
Perfluorohexanesulfonic acid (PFHxS)	1.91	2.0	ng/L	1.82		105	70-130			
Perfluorocctanoic acid (PFOA)	2.29	2.0	ng/L	2,00		114	70-130			
Perfluorooctanesulfonic acid (PFOS)	1.69	2.0	ng/L	1.85		91.2	70-130			
Perfluorononanoic acid (PFNA)	1.94	2.0	ng/L	2.00		97.0	70-130			
Perfluorodecanoic acid (PFDA)	1,80	2.0	ng/L	2.00		90.2	70-130			
NMeFOSAA	2.06	2,0	ng/L	2.00		103	70-130			
Perfluoroundecanoic acid (PFUnA)	1.78	2.0	ng/L	2.00		89.2	70-130			
NEtFOSAA	2.13	2.0	ng/L	2.00		107	70-130			
Perfluorododecanoic acid (PFDoA)	1,67	2.0	ng/L	2.00		83.4	70-130			
Perfluorotridecanoic acid (PFTrDA)	1.52	2,0	ng/L	2.00		76,1	70-130			
Perfluorotetradecanoic acid (PFTA)	1.51	2.0	ng/L	2.00		75.3	70-130			
Surrogate: 13C-PFHxA	.39,1		ng/L	40.0		97.9	70-130	,		
Surrogate: 13C-PFDA	41.3		ng/L	40.0		103	70-130			
Surrogate: d5-NEtFOSAA	136		ng/L	160		84.7	70-130			



#### 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.



### CERTIFICATIONS

Certified Analyses included in this Report

Analyte

Certifications

No certified Analyses included in this Report

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

Code	Description	Number	Expires
AIHA	AIHA-LAP, LLC - ISO17025:2005	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	07/30/2018
ME .	State of Maine	2011028	06/9/2019
VA	Commonwealth of Virginia	460217	12/14/2017
NH-P	New Hampshire Environmental Lab	2557 NELAP	09/6/2017
VT-DW	Vermont Department of Health Drinking Water	VT-255716	06/12/2018
NC-DW	North Carolina Department of Health	25703	07/31/2018

Table of Contents

Non Soxhlet

Soxhlet

Chromatogram AIHA-LAP, LLC

School

MBTA

Brownfield

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2181 4/52,

Daté/Time:

signature

L 741 H71

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

Page\_\_1\_\_\_ of

<sup>2</sup> Preservation Codes: I = Iced X = Sodium Hydroxide GW = Ground Water WW = Waste Water DW = Drinking Water B = Sodium Bisulfate S = Summa Canister Dissolved Metals San Container Codes: 0=Other (please T = Tedlar Bag O = Other (please O = Other (please A = Amber Glass Orthophosphate S = Softeric Acid PCB ONLY Matrix Codes: <sup>2</sup> Preservation Code O Field Filtered N. Nitric Acid O Field Filtered O Lab to Filter O Lab to Filter M = Methanol T.= Sodium SL = Studge Container Code ST = Sterile Thiosulfate G = Glass P = Plastic # of Containers V = Vial define define) S = Soil H=HCL A = Air define) Please use the following codes to indicate possible sample concentration www.contestabs.com H - High; M - Medium; L - Low; C - Clean; U - Unknown ANALYSIS REQUESTED within the Conc Code column above: Other WRTA **I** MA MCP Required MCP Certification Form Required GT RCP Required RCP Certification Form Required Z Δ. TOTAL AS, Pe, HARDNESS, TOC × MA State DW Required MWRA Special Requirements 0 × × × **FPA METHOD 537** Code  $\Rightarrow$ ⊃ 5 Requested Turnaround Time Matrix Code Rush-Approval Required š ⋛ ձ Municipality # QISMd Data Delivery 10-Day EXCEL 3-Day 4-Day Grab CLP Like Data Pkg Required: þ × × Composite Due Date: 5-day TAT 전 고 Detection Limit Requiren Government Ending Date/Time Email To: Fax To# 11:15 rormat: 11:28 11:27 EXTRACT & HOLD EPA Method 537: 22 Indian Ridge Rd-field blank 😩 22 Indian Ridge Rd-2 Other -Day 7-Dav 2-Day Project Entity Beginning Date/Time 8/25/2017 8/25/2017 8/25/2017 Other: IJ VIIV 73 William Franks Drive, West Springfield, MA Email: info@contestlabs.com 13:30 17.30 13:30 Client Sample ID / Description 22 Indian Ridge Rd - field blank 22 indian Ridge Rd, Westfield 22 Indian Ridge Rd, Westfield Date/Time: Date/Time: 8/25/17 Date/Time: 8.35.17 112111 Date/Time: Date/Time: 22 Indian Ridge Rd - 1 22 Indian Ridge Rd - 2 ATC Group Services Elizabeth O'Connor (413) 781-0070 183EMD0170 RUN EPA Method 537: 22 Indian Ridge Rd-1 Rob Smith 977 g Samole refuserator G Con-Test Quote Name/Number: HOLD As, Fe, Hardness, TOC X Relinquished by: (signature) Relinquished by: (signature Received by: (signature) Con-Test Work Order# LOD LOFT invoice Recipient: Company Name: Project Location: Project Manager: Project Number: roject Name: Sampled By: Comments Address: Phone:

39 Spruce St.

East Longmeadow, MA. 01028

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



www.contestlabs.com

Doc# 277 Rev 5 2017
(Rejection Criteria Listing - Using Acceptance Policy) Any False

Login S	Sample Rec	ceipt Checklist - (	(Rejection C	riteria List	ing - Using	g Acceptan	ce Policy) A	ny False	
	Statem	ent will be broug	ght to the at	tention of t	the Client	- State True	or False		
Client	A	TC				1			
Receive	ed By	2W		Date	8/25	717	Time	1815	
How were th	ie samples	In Cooler	<u>T</u>	No Cooler		On Ice		No Ice	
receiv	red?	Direct from Samp	oling	,		Ambient		_ Melted Ice	
Were samp	aloe within		By Gun#	\		Actual Tem	p- 3. <sup>k</sup>	†	
Temperatu		T	By Blank #			Actual Tem	p <u>~</u>		•
	Custody Se	eal Intact?	NA	We	re Sample:	s Tampered	with?	NA	
Was	COC Reline	quished?	7	Does	s Cha <u>i</u> n Agr	ree With Sar	mples?	<u> </u>	
Are the	re broken/le	eaking/loose caps	on any sam		_E_	_			
Is COC in in	k/ Legible?	7		Were san	nples recei	ved within ho			
Did COC ir	nclude all	Client		Analysis	T		er Name		
pertinent Inf	ormation?	Project	T	ID's	T	Collection	Dates/Times	<u> </u>	
Are Sample	labels filled	out and legible?							
Are there Lal	b to Filters?		NA	•		s notified?			
Are there Ru	shes?		NA			s notified?			
Are there Sh	ort Holds?		NIA		Who was	s notified?	<u>.,</u>		
ls there enou	ıgh Volume'	?				1			
		re applicable?	<u> </u>		MS/MSD?	~~~~	<u>.</u>	1.	
Proper Media			T			samples req	quired?	N/A	•
Were trip bla	ınks receive	:d?	N/A		On COC?		•	,	
		proper pH?		Acid	T	•	Base		
		Containers	#						
Unp-		1 Liter Amb.		1 Liter	L-2-2-1			z Amb.	
HCL-	2	500 mL Amb.		500 mL			<u> </u>	nb/Clear	
Meoh-		250 mL Amb.		250 mL		3		nb/Clear	
Bisulfate-		Col./Bacteria		Flash	***************************************			nb/Clear	
DI-		Other Plastic		Other		<u> </u>	<u> </u>	core	
Thiosulfate-		SOC Kit		Plastic			Frozen:		
Sulfuric-		Perchlorate		Zipl	ock				
				Unuseda	Media				
Violes Com	ij	(Genneyale) en avanz	ij						*
Unp-		1 Liter Amb.		1 Liter				z Amb.	<b> </b>
HCL-		500 mL Amb.		500 mL		<del></del>	4-2	nb/Clear	
Meoh-		250 mL Amb.		250 mL		<u> </u>		nb/Clear	
Bisulfate-		Col./Bacteria			point			mb/Clear icore	
DI-		Other Plastic		Other Plastic			Frozen:	ICOI E	<u> </u>
Thiosulfate-		SOC Kit Perchlorate	<u> </u>		оск		Trozen.		1
Sulfuric-		reiçiliorate		ZIPI:	OUN :	<u> </u>	<u> </u>	······································	·····
Comments:			····				-,-,		
									1
									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

September 13, 2017

Mr. Nathan Taylor 260 Buck Pond Road Westfield, MA 01085

RE:

Notice of Environmental Sampling

260 Buck Pond Road

Westfield Private Well Sampling

Dear Mr. Taylor:

The Department of Environmental Protection (DEP) collected a drinking water sample from your private well on August 25, 2017. The purpose of the sampling was to investigate whether your well has been affected by a release of perfluorinated compounds (PFCs) to local groundwater. The sample was sent to a certified laboratory and analyzed for PFC compounds by modified United States Protection Agency (EPA) Method 317.1. EPA has established a Lifetime Health Advisory level at 70 parts per trillion (ppt), for two specific compounds which have been the most extensively used and studied, PFOA (perfluorooctanoic acid) and PFOS (perfluorooctane sulfonic acid). If both PFOA and PFOS are identified in drinking water the combined concentrations are compared to the 70 ppt health advisory level. The Health Advisory offers a margin of protection from a lifetime of exposure to PFOA and PFOS for all individuals from adverse health effects resulting from exposure from PFOA and PFOS in drinking water. <sup>1</sup>

The sampling result indicated a total PFOA and PFOS concentration of 3 ppt in the drinking water sample. The results of a duplicate sample confirmed these results. This concentration is well below the health advisory level of 70 ppt. Based on the low concentrations of PFC compounds detected in the sample collected from your well, no further action, including additional sampling and/or mitigation measures (i.e. bottled water) are required at this time. However, additional sampling may be required in the future. The Department thanks you for granting access to your property.

Notice of Environmental Sampling 260 Buck Pond Road Westfield, RTN: 1-20093 Page 2 of 2

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

Sincerely,

Eva Tor

Deputy Regional Director Bureau of Waste Site Cleanup

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

<sup>&</sup>lt;sup>1</sup> 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	-	20093

A.	The address of the disposal site related to this Notice and Release Tracking Number (provided above):
1.	Street Address: 175 Falcon Drive
	City/Town: Westfield Zip Code: 01085
В.	This notice is being provided to the following party:
1.	Name: Nathan Taylor
2.	Street Address: 260 Buck Pond Road
	City/Town: Westfield Zip Code: 01085
C.	This notice is being given to inform its recipient (the party listed in Section B):
	1. That environmental sampling will be/has been conducted at property owned by the recipient of this notice.
	2. Of the results of environmental sampling conducted at property owned by the recipient of this notice.
	3. Check to indicate if the analytical results are attached. (If item 2. above is checked, the analytical results from the environmental sampling must be attached to this notice.)
D.	Location of the property where the environmental sampling will be/has been conducted:
1. ;	Street Address: 260 Buck Pond Road
	City/Town: Westfield Zip Code: 01085
2.	MCP phase of work during which the sampling will be/has been conducted:
[ [ [	✓ 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
į	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 e of this notice.
Dri	nking water samples were collected from the private well located on the above-referenced
pro	pperty and analyzed for PFAS compounds via EPA Method 537.1
E. C	contact information related to the party providing this notice:
	ntact Name: David Bachand
	eet Address: 436 Dwight Street
	//Town: Springfield Zip Code: 01103
Tel	ephone: (413) 755-2221 Email: david.bachand.jr@state.ma.us

Revised: 5/30/2014 Page 1 of 2



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

### **BWSC123**

This Notice is Related to: Release Tracking Number

ı	1		
ı	1		
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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 <a href="http://www.mass.gov/eea/agencies/massdep/cleanup">http://www.mass.gov/eea/agencies/massdep/cleanup</a>. 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 <a href="http://public.dep.state.ma.us/SearchableSites2/Search.aspx">http://public.dep.state.ma.us/SearchableSites2/Search.aspx</a> to view site-specific files on-line or <a href="http://mass.gov/eea/agencies/massdep/about/contacts/conduct-a-file-review.html">http://mass.gov/eea/agencies/massdep/about/contacts/conduct-a-file-review.html</a> 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



September 7, 2017

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

Project Location: 260 Buck Pond Rd., Westfield, MA

Client Job Number:

Project Number: 183EM00170

Laboratory Work Order Number: 17H1454

Keny K. Mille

Enclosed are results of analyses for samples received by the laboratory on August 25, 2017. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Kerry K. McGee Project Manager

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ATC Group Services LLC - West Springfield

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

PURCHASE ORDER NUMBER:

REPORT DATE: 9/7/2017

PROJECT NUMBER: 183EM00170

ANALYTICAL SUMMARY

WORK ORDER NUMBER:

17H1454

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

PROJECT LOCATION:

260 Buck Pond Rd., Westfield, MA

FIELD SAMPLE#	LAB ID:	MATRIX	SAMPLE DESCRIPTION	TEST	SUB LAB
260 Buck Pond Rd - field blank	17H1454-01	Drinking Water		SOP 434-PFAAS	
260 Buck Pond Rd - 2	17H1454-02	Drinking Water		SOP 434-PFAAS	



#### CASE NARRATIVE SUMMARY

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

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

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

Lisa A. Worthington Project Manager

na Wasslengton



Project Location: 260 Buck Pond Rd., Westfield, M

Sample Description:

Work Order: 17H1454

Date Received: 8/25/2017

Field Sample #: 260 Buck Pond Rd - field blank

Sampled: 8/25/2017 16:55

Sample ID: 17H1454-01
Sample Matrix: Drinking Water

			Miscellaneous Or	ganic Analys	es				
		М	CL/SMCL				Date	Date/Time	
Analyte	Results	RL M	A ORSG Units	Dilution	Flag/Qual	Method	Prepared	Analyzed	Analyst
Perfluorobutanesulfonic acid (PFBS)	ND	2.0	ng/L	ı		SOP 434-PFAAS	8/29/17	8/31/17 20:41	BLM
Perfluorohexanoic acid (PFHxA)	ND	2.0	ng/L	1		SOP 434-PFAAS	8/29/17	8/31/17 20:41	BLM
Perfluoroheptanoic acid (PFHpA)	ND	2.0	ng/L	1		SOP 434-PFAAS	8/29/17	8/31/17 20:41	BLM
Perfluorohexanesulfonic acid (PFHxS)	ND	2.0	ng/L	1		SOP 434-PFAAS	8/29/17	8/31/17 20:41	BLM
Perfluorooctanoic acid (PFOA)	ND	2.0	ng/L	1		SOP 434-PFAAS	8/29/17	8/31/17 20:41	BLM
Perfluorooctanesulfonic acid (PFOS)	ND	2.0	ng/L	1		SOP 434-PFAAS	8/29/17	8/31/17 20:41	BLM
Perfluorononanoic acid (PFNA)	ND	2.0	ng/L	1		SOP 434-PFAAS	8/29/17	8/31/17 20:41	BLM
Perfluorodecanoic acid (PFDA)	ND	2.0	ng/L	1		SOP 434-PFAAS	8/29/17	8/31/17 20:41	BLM
NMeFOSAA	ND	2.0	ng/L	1		SOP 434-PFAAS	8/29/17	8/31/17 20:41	. BLM
Perfluoroundecanoic acid (PFUnA)	ND	2.0	ng/L	1		SOP 434-PFAAS	8/29/17	8/31/17 20:41	BLM
NEtFOSAA	ND	2.0	ng/L	1		SOP 434-PFAAS	8/29/17	8/31/17 20:41	BLM
Perfluorododecanoic acid (PFDoA)	ND	2.0	ng/L	1		SOP 434-PFAAS	8/29/17	8/31/17 20:41	BLM
Perfluorotridecanoic acid (PFTrDA)	ND	2.0	ng/L	1		SOP 434-PFAAS	8/29/17	8/31/17 20:41	BLM
Perfluorotetradecanoic acid (PFTA)	ND	2.0	ng/L	ı		SOP 434-PFAAS	8/29/17	8/31/17 20;41	BLM
Surrogates		% Recove	ry Recovery Limit	s	Flag/Qual				
I3C-PFHxA		87.6	70-130					8/31/17 20:41	
13C-PFDA		103	70-130					8/31/17 20:41	
d5-NEtFOSAA		88.3	70-130					8/31/17 20:41	



Project Location: 260 Buck Pond Rd., Westfield, M

Sample Description:

Work Order: 17H1454

Date Received: 8/25/2017

Field Sample #: 260 Buck Pond Rd - 2

Sampled: 8/25/2017 17:08

Sample ID: 17H1454-02

Sample Matrix: Drinking Water

			Miscellaneous O	rganic Analys	es				
Analyte	Results		CL/SMCL IA ORSG Units	Dilution	Flag/Qual '	Method	Date Prepared	Date/Time Analyzed	Analys
Perfluorobutanesulfonic acid (PFBS)	2.9	2.0	ng/L	1		SOP 434-PFAAS	8/29/17	8/31/17 21:36	BLM
Perfluorohexanoic acid (PFHxA)	ND	2.0	ng/L	1		SOP 434-PFAAS	8/29/17	8/31/17 21:36	BLM
Perfluoroheptanoic acid (PFHpA)	ND	2.0	ng/L	1		SOP 434-PFAAS	8/29/17	8/31/17 21:36	BLM
Perfluorohexanesulfonic acid (PFHxS)	3.0	2.0	ng/L	1		SOP 434-PFAAS	8/29/17	8/31/17 21:36	BLM
Perfluorooctanoic acid (PFOA)	3.0	2.0	ng/L	1		SOP 434-PFAAS	8/29/17	8/31/17 21:36	BLM
Perfluorooctanesulfonic acid (PFOS)	ND	2.0	ng/L	1		SOP 434-PFAAS	8/29/17	8/31/17 21:36	BLM
Perfluorononanoic acid (PFNA)	ND	2.0	ng/L	1		SOP 434-PFAAS	8/29/17	8/31/17 21:36	BLM
Perfluorodecanoic acid (PFDA)	ND	2.0	ng/L.	i		SOP 434-PFAAS	8/29/17	8/31/17 21:36	BLM
NMeFOSAA	ND	2.0	ng/L	1		SOP 434-PFAAS	8/29/17	8/31/17 21:36	BLM
Perfluoroundecanoic acid (PFUnA)	ND	2.0	ng/L	1		SOP 434-PFAAS	8/29/17	8/31/17 21:36	BLM
NEtFOSAA	ND	2.0	ng/L	1		SOP 434-PFAAS	8/29/17	8/31/17 21:36	BLM
Perfluorododecanoic acid (PFDoA)	ND	2.0	ng/L	ī		SOP 434-PFAAS	8/29/17	8/31/17 21:36	BLM
Perfluorotridecanoic acid (PFTrDA)	ND	2.0	ng/L	1		SOP 434-PFAAS	8/29/17	8/31/17 21:36	BLM
Perfluorotetradecanoic acid (PFTA)	ND	2.0	ng/L	1		SOP 434-PFAAS	8/29/17	8/31/17 21:36	BLM
Surrogates		% Recove	ery Recovery Limi	ts	Flag/Qual				·· · · · · · · · · · · · · · · · · · ·
13C-PFHxA		88.5	70-130	•				8/31/17 21:36	
13C-PFDA		106	70-130					8/31/17 21:36	
AE NEWTOO A A		70.0	70-130					0/31/17 21,30	



### Sample Extraction Data

Prep Method: EPA 537-SOP 434-PFAAS

Lab Number [Field ID]	Batch	Initial [mL]	Final [mL]	Date	
17H1454-01 [260 Buck Pond Rd - field blank]	B185125	250	1.00	08/29/17	
17H1454-02 [260 Buck Pond Rd - 2]	B185125	250	1.00	08/29/17	



### QUALITY CONTROL

### Miscellaneous Organic Analyses - Quality Control

Analysia	Result	Reporting Limit	I Indea	Spike	Source	0/BEC	%REC	DDD	RPD	<b>3</b> In4
Analyte	Result	Limit	Units	Level	Result	%REC	Limits	RPD	Limit	Notes
Batch B185125 - EPA 537										
Blank (B185125-BLK1)				Prepared: 08	3/29/17 Analy	yzed: 08/31/	17			
Perfluorobutanesulfonic acid (PFBS)	ND	. 2.0	ng/L						•	
Perfluorohexanoic acid (PFHxA)	ND	2.0	ng/L							
Perfluoroheptanoic acid (PFHpA)	ND	2.0	ng/L							
Perfluorohexanesulfonic acid (PFHxS)	ND	2.0	ng/L							
Perfluorooctanoic acid (PFOA)	ND	2.0	ng/L							
Perfluorooctanesulfonic acid (PFOS)	ND	2.0	ng/L							
Perfluorononanoic acid (PFNA)	ND	2.0	ng/L							
Perfluorodecanoic acid (PFDA)	ND	2,0	ng/L							
NMeFOSAA	ND	2.0	ng/L							
Perfluoroundecanoic acid (PFUnA)	ND	2.0	ng/L							
NEtFOSAA	ND	2.0	ng/L							
Perfluorododecanoic acid (PFDoA)	· ND	2.0	ng/L							
Perfluorotridecanoic acid (PFTrDA)	ND	2.0	ng/L							
Perfluorotetradecanoic acid (PFTA)	ND	2.0	ng/L							
Surrogate: 13C-PFHxA	38.3		ng/L	40,0		95.8	70-130			
Surrogate: 13C-PFDA	36.6		ng/L	40.0		91.5	70-130			
Surrogate: d5-NEtFOSAA	117		ng/L	160		73.4	70-130			
LCS (B185125-BS1)				Prepared: 08	/29/17 Analy	yzed: 08/31/]	17			
Perfluorobutanesulfonic acid (PFBS)	1,63	2.0	ng/L	1.77		92.2	70-130			
Perfluorohexanoic acid (PFHxA)	2.31	2,0	ng/L	2,00		115	70-130			
Perfluoroheptanoic acid (PFHpA)	1.96	2.0	ng/L	2.00		97.9	70-130			
Perfluorohexanesulfonic acid (PFHxS)	1,91	2.0	ng/L	1.82		105	70-130			
Perfluorooctanoic acid (PFOA)	2,29	2.0	ng/L	2,00		114	70-130			
Perfluorooctanesulfonic acid (PFOS)	1.69	2.0	ng/L	1.85		91.2	70-130			
Perfluorononanoic acid (PFNA)	1.94	2.0	ng/L	2.00		97.0	70-130			
Perfluorodecanoic acid (PFDA)	1.80	2.0	ng/L	2.00		90.2	70-130			
NMeFOSAA	2.06	2.0	ng/L	2.00		103	70-130			
Perfluoroundecanoic acid (PFUnA)	1.78	2.0	ng/L	2.00		89.2	70-130			
NEtFOSAA	2.13	2.0	ng/L	2.00		107	70-130			
Perfluorododecanoic acid (PFDoA)	1.67	2.0	ng/L	2.00		83.4	70-130			
Perfluorotridecanoic acid (PFTrDA)	1,52	2,0	ng/L	2.00		76.1	70-130			
Perfluorotetradecanoic acid (PFTA)	1.51	2.0	ng/L	2.00		75.3	70-130			
Surrogate: 13C-PFHxA	39,1		ng/L	40.0		97.9	70-130			
Surrogate: 13C-PFDA	41.3		ng/L	40.0		103	70-130			
Surrogate: d5-NEtFOSAA	136		ng/L	160		84.7	70-130			



### 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
DĹ	Method Detection Limit
иCL	Maximum Contaminant Level
	Denote the second and adding a second differences (BBDs) are determined by the sec

Percent recoveries and relative percent differences (RPDs) are determined by the software using values in the

calculation which have not been rounded.

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



#### CERTIFICATIONS

Certified Analyses included in this Report

Analyte

Certifications

No certified Analyses included in this Report

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

Code	Description	Number	Expires
AIHA	AIHA-LAP, LLC - ISO17025:2005	100033	02/1/2018
MA	Massachusetts DEP	M-MA100	06/30/2018
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	07/30/2018
ME	State of Maine	2011028	06/9/2019
VA	Commonwealth of Virginia	460217	12/14/2017
NH-P	New Hampshire Environmental Lab	2557 NELAP	09/6/2017
VT-DW	Vermont Department of Health Drinking Water	VT-255716	06/12/2018
NC-DW	North Carolina Department of Health	25703	07/31/2018

Table	of Conter	nts
iffe)	PCB ONLY Soxhlet Non Soxhlet	
g.		
	Chromatogram AIHA-LAP,LLC	
	gher.	
	WRTA	4

School

Federal

Date/Time:

eived by: (signature)

Page 11 of 12

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MWRA

Municipality

Government

MBTA

Brownfield

<sup>2</sup> Preservation Codes: X = Sodium Hydroxide Container Codes:A = Amber GlassG = Glass S = Sulfuric Acid B = Sodium Bisulfate S-Summa Canister DW = Drinking Water T≅ Tedlar Bag O = Other (please GW = Ground Water WW = Waste Water O = Other (please Page \_\_1\_\_\_ of \_\_\_\_1\_\_\_ O = Other (please Orthophosphate Sa M = Methanol N = Nitric Acid 1 = Iced ⇔ Dissolved Metals \* Matrix Codes: <sup>2</sup> Preservation Code O Field Filtered ST = Sterile V = Vial O Field Filtered O: Lab to Filter O Lab to Filter T = Sodium Container Code S = Soil SL = Sludge SOL = Solid Thiosulfate TRIZMA P = Plastic # of Containers HHIC define) A a A Please use the following codes to indicate possible sample concentration H - High; M - Medium; L - Low; C - Clean; U - Unknown 39 Spruce Street East Longmeadow, MA 01028 ANALYSIS REQUESTED within the Conc Code column above: Doc # 381 Rev 1\_03242017 **=** > RCP Certification Form Required MA MCP Required CT RCP Required MCP Certification Form Required × z TOTAL As, Fe, HARDNESS, TOC MA State DW Required Special Requirements × × O **EPA METHOD 537**  $\Rightarrow$ =  $\supset$ http://www.contestlabs.com CHAIN OF CUSTODY RECORD 3 ₹ ձ ΜG Rush-Approval Required PWSID # Data Delivery EXCEL 4-Day D 3-Day CLP Like Data Pkg Required: × × Composite Due Date: 5-day TAT Format: PDF 凹 Email To: 17:08 17:07 6.55 Fax To # EXTRACT & HOLD EPA Method 537: 260 Buck Pond Rd-field blank & 260 Buck Pond Rd-2 -Day 2-Day Other: Detection Limit 7-Day Project Entity 4541 HZ Other: 8/25/2017 8/25/2017 8/25/2017 MA CT 73 William Franks Drive, West Springfield, MA 17:30 1815 Email: info@contestlabs.com 260 Buck Pond Rd - field blank Date/Time: 8/25/17 Fax: 413-525-6405 260 Buck Pond Rd, Westfield PAKO Date/Time: 260 Buck Pond Rd, Westfield Date/Time: Vate //fime: 260 Buck Pond Rd - 2 260 Buck Pond Rd - 1 ATC Group Services Elizabeth O'Connor (413) 781-0070 183EM00170 Rob Smith RUN EPA Method 537: 260 Buck Pond Rd-1 Con-Test Quote Name/Number: Work: Order# HOLD As, Fe, Hardness, TOC Relinquished by: (signature) squished by: (signature) CON-LEST Con-Test Invoice Recipient: Company Name: Project Location: Project Manager: Project Number: Project Name: Sampled By: Address: Phone:

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 R							ny False	
	ment will be broug							
Client	ATC			1	1			
Received By	2W		Date _	8/2	5/17	Time	181	5
How were the sample		T	No Cooler		On Ice	·	No Ice	
received?	Direct from Samp				Ambient	***************************************	Melted Ice	
Tetlan within	·	By Gun #	1		Actual Tem	in- 3. (	4	
Were samples within Temperature? 2-6°C	1	By Blank #			Actual Tem			•
Was Custody	The product of the second	NIA			s Tampered		NA	•
Was COC Rel		<del></del>		-	ree With Sa		4	•
	/leaking/loose caps	on any sam	•	F	•	***		•
Is COC in ink/ Legible				nples recei	ved within h	olding time?	<u>-T-</u>	
Did COC include all	Client	T	Analysis		Sample	er Name	**	-
pertinent Information	? Project	T	ID's	<u> </u>	Collection	Dates/Times	T	
Are Sample labels fill	ed out and legible?	7					_	
Are there Lab to Filter	s?	MA			s notified?			_
Are there Rushes?		T			s notified?	~/A		•
Are there Short Holds		NIA		Who was	s notified?			
ls there enough Volum		T/			1.			
ls there Headspace w		<u>NIA</u>		MS/MSD?		<u>.</u>	/,	
Proper Media/Contain					samples rec	quired?	<u> </u>	-
Were trip blanks recei		NA		On COC?	N/A			
Do all samples have the	ne proper pH?	N/A	Acid _			Base		
Course the second control of the Con		WORLD THE PARTY OF	The state of the s	accompanies and a contract of the contract of		A PERSONAL PROPERTY OF THE PARTY OF THE PART	manufacture and the American Manufacture Transport of the Company	XICCOMPANDATE DEPOSIT
Vials #	Containers:	<b>H</b>			#			#
Unp-	1 Liter Amb.	#	1 Liter F		#	<del></del>	Amb.	#
Unp- HCL-	1 Liter Amb. 500 mL Amb.	#	500 mL	Plastic	#	8oz An	nb/Clear	
Unp- HCL- Meoh-	1 Liter Amb. 500 mL Amb. 250 mL Amb.	#	500 mL 250 mL	Plastic Plastic	3	8oz An 4oz An	nb/Clear nb/Clear	
Unp- HCL- Meoh- Bisulfate-	1 Liter Amb. 500 mL Amb. 250 mL Amb. Col./Bacteria	#	500 mL 250 mL Flash	Plastic Plastic point	3	8oz Am 4oz Am 2oz Am	nb/Clear nb/Clear nb/Clear	
Unp- HCL- Meoh- Bisulfate- DI-	1 Liter Amb. 500 mL Amb. 250 mL Amb. Col./Bacteria Other Plastic	#	500 mL 250 mL Flash Other (	Plastic Plastic point Glass	3	8oz An 4oz An 2oz An End	nb/Clear nb/Clear	
Unp- HCL- Meoh- Bisulfate- DI- Thiosulfate-	1 Liter Amb. 500 mL Amb. 250 mL Amb. Col./Bacteria Other Plastic SOC Kit		500 mL 250 mL Flash Other ( Plastic	Plastic Plastic point Glass Bag	3	8oz Am 4oz Am 2oz Am	nb/Clear nb/Clear nb/Clear	<b>1</b>
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Unp- HCL- Meoh- Bisulfate- DI- Thiosulfate- Sulfuric-  Vials:  Unp- HCL- Meoh- Bisulfate- DI- Thiosulfate- DI- Thiosulfate-	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 SOC Kit		500 mL 250 mL Flash Other of Plastic Ziple Unused N 1 Liter F 500 mL 250 mL Flash Other of Plastic	Plastic Plastic point Glass Bag ock Media Plastic Plastic Plastic Plastic point Glass Bag	3	8oz Am 4oz Am 2oz Am End Frozen:  16 oz 8oz Am 4oz Am 2oz Am	nb/Clear nb/Clear nb/Clear core Amb. nb/Clear nb/Clear	***
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## Commonwealth of Massachusetts Executive Office of Energy & Environmental Affairs

### Department of Environmental Protection

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

Charles D. Baker Governor Matthew A. Beaton Secretary

Karyn E. Polito Lieutenant Governor Martin Suuberg Commissioner

September 13, 2017

David & Karen Lewis 27 Indian Ridge Road Westfield, MA 01085

RE: Notice of Environmental Sampling

27 Indian Ridge Road

Westfield Private Well Sampling

Dear Carlos and Anabela Ferreira:

The Department of Environmental Protection (DEP) collected a second drinking water sample from your private well on August 25, 2017. The purpose of the sampling was to investigate whether your well has been affected by a release of perfluorinated compounds (PFCs) to local groundwater. The sample was sent to a certified laboratory and analyzed for PFC compounds by modified United States Protection Agency (EPA) Method 317.1. EPA has established a Lifetime Health Advisory level at 70 parts per trillion (ppt), for two specific compounds which have been the most extensively used and studied, PFOA (perfluorooctanoic acid) and PFOS (perfluorooctane sulfonic acid). If both PFOA and PFOS are identified in drinking water the combined concentrations are compared to the 70 ppt health advisory level. The Health Advisory offers a margin of protection from a lifetime of exposure to PFOA and PFOS for all individuals from adverse health effects resulting from exposure from PFOA and PFOS in drinking water. <sup>1</sup>

The sampling result indicated a total PFOA and PFOS concentration of 6.5 ppt in the drinking water sample. This concentration is well below the health advisory level of 70 ppt and consistent with the May sampling results Based on the low concentrations of PFC compounds detected in the samples collected from your well, no further action, including additional sampling and/or mitigation measures (i.e. bottled water) are required at this time. However, additional sampling may be required in the future. The Department thanks you for granting access to your property.

Notice of Environmental Sampling 27 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 informationn contained within, please feel free to contact David Bachand at (413) 755-2221 or Cynthia Pawloski at (413) 755-2247.

Sincerely,

Eva Tor

Deputy Regional Director Bureau of Waste Site Cleanup

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

<sup>&</sup>lt;sup>1</sup> 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	-	20093

A. The address of the disposal site related to	o 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	ving party:	
Name: David and Karen Lewis		
2. Street Address: 27 Indian Ridge Road		
City/Town: Westfield	Zip Code:	01085
C. This notice is being given to inform its re	cipient (the	party listed in Section B):
1. That environmental sampling will be/l	has been cor	ducted 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		ched. (If item 2. above is checked, the analytical results from notice.)
D. Location of the property where the enviro	nmental sar	nnling will be/has been conducted:
Street Address: 27 Indian Ridge Road	innontal oal	
City/Town: Westfield	Zip Code:	01085
MCP phase of work during which the sampling		been conducted:
☑ Immediate Response Action	☐ Phas	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	Post	Temporary Solution Operation, Maintenance and Monitoring
Phase II Comprehensive Site Assessmer	nt 🔲 Othe	r (specify)
3. Description of property where sampling will be	be/has been	conducted:
	industrial	☐school/playground ☐ Other(specify)
4. Description of the sampling locations and tvi	pes (e.a., soi	, groundwater, indoor air, soil gas) to the extent known at the
time of this notice.		
Drinking water samples were collected to property and analyzed for PFAS compo	from the pr junds via F	ivate well located on the above-referenced PA Method 537 1
property and analyzed for 1 1700 compe	ando via E	
E. Contact information related to the party pr Contact Name: David Bachand	oviding this	notice;
Street Address: 436 Dwight Street		
City/Town: Springfield	Zip Code:	01103
Telephone: (413) 755-2221	Email: da	avid.bachand.jr@state.ma.us

Page 1 of 2 Revised: 5/30/2014



# Massachusetts Department of Environmental Protection Bureau of Waste Site Cleanup

#### BWSC123

This Notice is Related to: Release Tracking Number

- 20093
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#### 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 <a href="http://www.mass.gov/eea/agencies/massdep/cleanup">http://www.mass.gov/eea/agencies/massdep/cleanup</a>. 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 <a href="http://public.dep.state.ma.us/SearchableSites2/Search.aspx">http://public.dep.state.ma.us/SearchableSites2/Search.aspx</a> to view site-specific files on-line or <a href="http://mass.gov/eea/agencies/massdep/about/contacts/conduct-a-file-review.html">http://mass.gov/eea/agencies/massdep/about/contacts/conduct-a-file-review.html</a> 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



September 6, 2017

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

Project Location: 27 Indian Ridge Rd., Westfield, MA

Client Job Number:

Project Number: 183EM00170

Laboratory Work Order Number: 17H1449

Keny K. Mille

Enclosed are results of analyses for samples received by the laboratory on August 25, 2017. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Kerry K. McGee Project Manager

### Table of Contents

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ATC Group Services LLC - West Springfield

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

REPORT DATE: 9/6/2017

PURCHASE ORDER NUMBER:

PROJECT NUMBER: 183EM00170

ANALYTICAL SUMMARY

WORK ORDER NUMBER:

17H1449

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

PROJECT LOCATION:

27 Indian Rídge Rd., Westfield, MA

FIELD SAMPLE #	LAB ID:	MATRIX	SAMPLE DESCRIPTION	TEST	SUB LAB
Trip Blank	17H1449-01	Trip Blank Water		SOP 434-PFAAS	
27 Indian Ridge Rd - 3	17H1449-02	Drinking Water		SOP 434-PFAAS	



#### CASE NARRATIVE SUMMARY

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

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

Washington

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: 27 Indian Ridge Rd., Westfield, M

Sample Description:

Work Order: 17H1449

Date Received: 8/25/2017 Field Sample #: Trip Blank

Sampled: 8/25/2017 07:50

Sample ID: 17H1449-01

Samole Matrix: Trip Blank Water

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Perfluorobutanesulfonic acid (PFBS)	ND	2.0	ng/L	1		SOP 434-PFAAS	8/29/17	9/6/17 15:29	BLM
Perfluorohexanoic acid (PFHxA)	ND	2.0	ng/L	1		SOP 434-PFAAS	8/29/17	9/6/17 15:29	BLM
Perfluoroheptanoic acid (PFHpA)	ND	2.0	ng/L	1		SOP 434-PFAAS	8/29/17	9/6/17 15:29	BLM
Perfluorohexanesulfonic acid (PFHxS)	ND	2.0	ng/L	1	4	SOP 434-PFAAS	8/29/17	9/6/17 15:29	BLM
Perfluorooctanoic acid (PFOA)	ND	2.0	ng/L	1		SOP 434-PFAAS	8/29/17	9/6/17 15:29	BLM
Perfluorooctanesulfonic acid (PFOS)	ND	2.0	ng/L	ı		SOP 434-PFAAS	8/29/17	9/6/17 15:29	BLM
Perfluorononanoic acid (PFNA)	ND	2.0	ng/L	į.		SOP 434-PFAAS	8/29/17	9/6/17 15:29	BLM
Perfluorodecanoic acid (PFDA)	ND	2.0	ng/L	1		SOP 434-PFAAS	8/29/17	9/6/17 15:29	BLM
NMeFOSAA	ND	2.0	ng/L	1		SOP 434-PFAAS	8/29/17	9/6/17 15:29	BLM
Perfluoroundecanoic acid (PFUnA)	ND	2.0	ng/L	1		SOP 434-PFAAS	8/29/17	9/6/17 15:29	BLM
NEtFOSAA	ND	2.0	ng/L	1		SOP 434-PFAAS	8/29/17	9/6/17 15:29	BLM
Perfluorododecanoic acid (PFDoA)	ND	2.0	ng/L	1		SOP 434-PFAAS	8/29/17	9/6/17 15:29	BLM
Perfluorotridecanoic acid (PFTrDA)	ND	2.0	ng/L	1		SOP 434-PFAAS	8/29/17	9/6/17 15:29	BLM
Perfluorotetradecanoic acid (PFTA)	ND	2.0	ng/L	ì		SOP 434-PFAAS	8/29/17	9/6/17 15:29	BLM
Surrogates		% Recovery	Recovery Limit	s	Flag/Qual				
13C-PFHxA		96.5	70-130					9/6/17 15:29	
13C-PFDA		91.0	70-130					9/6/17 15:29	
		07.4	70 120					9/6/17 15:29	

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
13C-PFHxA	96.5	70-130		9/6/17 15:29
13C-PFDA	91.0	70-130		9/6/17 15:29
d5-NEtFOSAA	87.4	70-130		9/6/17 15:29



Project Location: 27 Indian Ridge Rd., Westfield, M

Sample Description:

Work Order: 17H1449

Date Received: 8/25/2017

Field Sample #: 27 Indian Ridge Rd - 3

Sampled: 8/25/2017 08:56

Sample ID: 17H1449-02

Sample Matrix: Drinking Wate

Sample Matrix: Drinking Water										
			Misc	ellaneous Org	anic Analys	es				
			MCL/SMCL					Date	Date/Time	
Analyte	Results	RL	MA ORSG	Units	Dilution	Flag/Qual	Method	Prepared	Analyzed	Analyst
Perfluorobutanesulfonic acid (PFBS)	ND	2.0		ng/L	i		SOP 434-PFAAS	8/29/17	9/6/17 14:46	BLM
Perfluorohexanoic acid (PFHxA)	2.6	2.0		ng/L	1		SOP 434-PFAAS	8/29/17	9/6/17 14:46	BLM
Perfluoroheptanoic acid (PFHpA)	ND	2.0		ng/L	1		SOP 434-PFAAS	8/29/17	9/6/17 14:46	BLM
Perfluorohexanesulfonic acid (PFHxS)	ND	2.0		ng/L	1		SOP 434-PFAAS	8/29/17	9/6/17 14:46	BLM
Perfluorooctanoic acid (PFOA)	2.7	2.0		ng/L	I		SOP 434-PFAAS	8/29/17	9/6/17 14:46	BLM
Perfluorooctanesulfonic acid (PFOS)	3.8	2.0		ng/L	1		SOP 434-PFAAS	8/29/17	9/6/17 14:46	BLM
Perfluorononanoic acid (PFNA)	ND	2.0		ng/L	1		SOP 434-PFAAS	8/29/17	9/6/17 14:46	BLM
Perfluorodecanoic acid (PFDA)	ND	2.0		ng/L	1		SOP 434-PFAAS	8/29/17	9/6/17 14:46	BLM
NMeFOSAA	ND	2.0		ng/L	l		SOP 434-PFAAS	8/29/17	9/6/17 14:46	BLM
Perfluoroundecanoic acid (PFUnA)	ND	2.0		ng/L	1		SOP 434-PFAAS	8/29/17	9/6/17 14:46	BLM
NEtFOSAA	ND	2.0		ng/L	1		SOP 434-PFAAS	8/29/17	9/6/17 14:46	BLM
Perfluorododecanoic acid (PFDoA)	ND	2.0		ng/L	1		SOP 434-PFAAS	8/29/17	9/6/17 14:46	BLM
Perfluorotridecanoic acid (PFTrDA)	ND	2.0	•	ng/L	1		SOP 434-PFAAS	8/29/17	9/6/17 14:46	BLM
Perfluorotetradecanoic acid (PFTA)	ND	2.0		ng/L	1		SOP 434-PFAAS	8/29/17	9/6/17 14:46	BLM
Surrogates		% Reco	very Rec	covery Limits		Flag/Qual				
13C-PFHxA		99,3	•	70-130		-			9/6/17 14:46	
13C-PFDA		89.7		70-130					9/6/17 14:46	
d5-NEtFOSAA		83.3		70-130					9/6/17 14:46	



#### Sample Extraction Data

Prep Method; EPA 537-SOP 434-PFAAS

Lab Number [Field ID]	Batch	Initial [mL]	Final [mL]	Date
17H1449-01 [Trip Blank]	B185125	250	00.1	08/29/17
17H1449-02 [27 Indian Ridge Rd - 3]	B185125	250	1.00	08/29/17



#### QUALITY CONTROL

#### Miscellaneous Organic Analyses - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
	Result	rmit	Omts	react	Vezait	/enec	rimits	KLD	emilt	ivotes
atch B185125 - EPA 537					1					
Hank (B185125-BLK1)				Prepared: 08	3/29/17 Analy	yzed: 08/31/1	17			
Perfluorobutanesulfonic acid (PFBS)	ND	2.0	ng/L							
Perfluorohexanoic acid (PFHxA)	ND	2.0	ng/L							
Perfluoroheptanoic acid (PFHpA)	ND	2.0	ng/L							
Perfluorohexanesulfonic acid (PFHxS)	ND	2,0	ng/L							
erfluoreoctanoic acid (PFOA)	ND	2.0	ng/L							
erfluorooctanesulfonic acid (PFOS)	ND	2.0	ng/L							
erfluorononanoic acid (PFNA)	ND	2.0	ng/L							
erfluorodecanoic acid (PFDA)	ND	2.0	ng/L							
IMeFOSAA	ND	2.0	ng/L							
Perfluoroundecanoic acid (PFUnA)	ND	2.0	ng/L							
<b>JEtFOSAA</b>	ND	2.0	ng/L							
erfluorododecanoic acid (PFDoA)	ND	2.0	ng/L							-
erfluorotridecanoic acid (PFTrDA)	ND	2.0	ng/L							
erfluorotetradecanoic acid (PFTA)	ND	2.0	ng/L							
штоgate: 13С-РFHxA	38.3		ng/L	40.0		95.8	70-130			
urrogate: I3C-PFDA	36.6		ng/L	40.0		91.5	70-130			
штоgate: d5-NEtFOSAA	117		ng/L	160		73.4	70-130			
CS (B185125-BS1)				Prepared: 08	/29/17 Analy	/zed: 08/31/1	7			
erfluorobutanesulfonic acid (PFBS)	1,63	2.0	ng/L	1.77		92.2	70-130			
erfluorohexanoic acid (PFHxA)	2.31	2,0	ng/L	2.00		115	70-130			
erfluoroheptanoic acid (PFHpA)	1.96	2.0	ng/L	2,00		97.9	70-130			
erfluorohexanesulfonic acid (PFHxS)	1.91	2.0	ng/L	1.82		105	70-130			
erfluorooctanoic acid (PFOA)	2.29	2.0	ng/L	2.00		114	70-130			
Perfluorooctanesulfonic acid (PFOS)	1.69	2.0	ng/L	1,85		91.2	70-130			
erfluorononanoic acid (PFNA)	1.94	2.0	ng/L	2.00		97.0	70-130			
erfluorodecanoic acid (PFDA)	1.80	2.0	ng/L	2.00		90.2	70-130			
<b>IMeFOSAA</b>	2.06	2.0	ng/L	2,00		103	70-130			
erfluoroundecanoic acid (PFUnA)	1.78	2.0	ng/L	2.00		89.2	70-130			
EtFOSAA	2.13	2.0	ng/L	2.00		107	70-130			
erfluorododecanoic acid (PFDoA)	1.67	2.0	ng/L	2.00		83.4	70-130			
erfluorotridecanoic acid (PFTrDA)	1.52	2.0	ng/L	2.00		76.1	70-130			
erfluorotetradecanoic acid (PFTA)	1.51	2,0	ng/L	2.00		75.3	70-130			
urrogate: 13C-PFHxA	39.1		ng/L	40.0		97.9	70-130			
штоgate: 13C-PFDA	41,3		ng/L	40.0		103	70-130			
urrogate: d5-NEtFOSAA	136		ng/L	160		84.7	70-130			



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

*	QC result is outside of established limits.
†	Wide recovery limits established for difficult compound.
‡	Wide RPD limits established for difficult compound.
#	Data exceeded client recommended or regulatory level
ND	Not Detected
RL	Reporting Limit
DL	Method Detection Limit
MCL	Maximum Contaminant Level
	Percent recoveries and relative percent differences (RPDs) are determined by the software using values in the calculation which have not been rounded.

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



#### CERTIFICATIONS

Certified Analyses included in this Report

Analyte

Certifications

No certified Analyses included in this Report

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

Code	Description	Number	Expires
AIHA	AIHA-LAP, LLC - ISO17025:2005	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	07/30/2018
ME	State of Maine	2011028	06/9/2019
VA	Commonwealth of Virginia	460217	12/14/2017
NH-P	New Hampshire Environmental Lab	2557 NELAP	09/6/2017
VT-DW	Vermont Department of Health Drinking Water	VT-255716	06/12/2018
NC-DW	North Carolina Department of Health	25703	07/31/2018

17H1449

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

Doc # 381 Rev 1\_03242017

Page \_\_1\_\_ of \_\_\_1\_\_

Table of Contents Orthophosphate Sample: 2 Preservation Codes: X = Sodium Hydroxide B = Sodium Bisulfate **DW** - Drinking Water S = Summa Canister GW = Ground Water WW = Waste Water 3 Container Codes: Dissolved Metals San T = Tedlár Bag O = Other (please O = Other (please O = Other (please Yon Soxhlet A = Amber Glass G = Glass PCB ONLY Soxniet S≅ Sulfuric Acid H = HCL M = Methanol N = Nitric Acid Matrix Codes: O Field Filtered Preservation Code O Field Filtered O Lab to Filter O Lab to Filter ST = Sterile S= Soil SL = Sludge SOL = Solid Container Code = Sodium Thiosulfate P = Plastic TRIZMA # of Containers define) define) a : ced define Please use the following codes to indicate possible sample concentration con-test Chromatogram www.contestiabs.com AIHA-LAP,LLC 39 Spruce Street East Longmeadow, MA 01028 H - High; M - Medfum; L - Low; C - Clean; U - Unknown ANALYSIS REQUESTED within the Conc Code column above: Other WRTA x > MCP Certification Form Required MA MCP Required CT RCP Required RCP Certification Form Required School z × MWRA TOTAL As, Fe, HARDNESS, TOC MA State DW Required MBTA Special Requirements ø O >< × × × EPA METHOD 537 Code \_ ⇒ ⋍ Requested Turnaround Time Matrix 5 Rush-Approval Required ⋛ ⋛ Municipality ձ Brownfield PWSID # Data Delivery 10-Day Grab 3-Day 4-Day CLP Like Data Pkg Required: × × × Composite Due Date: 5-day TAT PDF FO Detection Limit Require Government Email To: Ending Date/Time Fax To# Federal Format: 7:50 8:40 8:56 8:57 EXTRACT & HOLD EPA Method 537: 27 Indian Ridge Rd-field blank & 27 Indian Ridge Rd-4 Other: 7-Day 1-Day 2-Day Ċ. Project Entity Beginning Date/Time 8/25/2017 8/25/2017 8/25/2017 8/25/2017 17,37 美国 Ę 73 William Franks Drive, West Springfield, MA Email: info@contestlabs.com 33 17:30 1815 8/25/17 /3:30 Date/Time: Client Sample ID / Description 27 Indian Ridge Rd - field blank 27 Indian Ridge Rd, Westfield 27 Indian Ridge Rd, Westfield 8-35M Fax: 413-525-6405 8/25/17 Date/Time: 19/25/17 Date/Time: Date/Time: Date/Time: RUN EPA Method 537: Trip Blank and 27 Indian Ridge Rd-3 27 Indian Ridge Rd - 4 27 Indian Ridge Rd - 3 ATC Group Services Elizabeth O'Connor (413) 781-0070 183EM00170 Rob Smith Trip blank watet K. Olovna-Sample 16 frigulation Relinquished by: (signsfuye) Con-Test Quote Name/Number: HOLD As, Fe, Hardness, TOC CON-test Relinquished by: (signature Received by: (signature) Con-Test Work Order# Project Name: Invoice Recipient: Company Name: Project Location: Project Manager: Project Number: Sampled By: Comments: Address: 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	A	TC			1	1			
Receiv	ed By	2 W		Date	8/25	7/17	Time	1815	
How were the	he samples	In Cooler	7	No Cooler	•	On Ice	7	No Ice	
recei	ved?	Direct from Samp	olina	-		Ambient		<ul> <li>Melted Ice</li> </ul>	
		2,,00,,,01,,00,	By Gun #	1		Actual Tem	p- 3.		,
Were sam		<b></b>	•						
Temperatu		1 -1 -1 -1 -1 -1 -1 -1 -1 -1 -1 -1 -1 -1	By Blank #	·	ماند مستقام	Actual Tem			
	Custody Se		N/A	-	•	s Tampered ree With Sa		<u> </u>	
	COC Relin	quisned <i>r</i> eaking/loose caps		•	s Chain Ag	iee willi sa	mpies/		-
Is COC in in		-	on any sam	•	anles recei	vod within h	olding time?	-	
Did COC i	~	Client	· ~	Analysis	1000 T		er Name		
pertinent In		Project	7	ID's	누		Dates/Times	· <del></del>	
•		out and legible?	+	•	·····	•			
Are there La		-	NA	•	Who was	s notified?			
Are there Ru	ishes?		NIA	•	Who was	s notified?	<del></del>		
Are there Sh	ort Holds?		NA	•	Who was	s notified?		···········	
Is there enor	ugh Volume	?	7			1			
Is there Hea	dspace whe	re applicable?		,	MS/MSD?	NA	_	1	
Proper Medi	a/Container	s Used?			ls splitting	samples rec	juired?	NA	
Were trip bla	anks receive	d?	Т-		On COC?				
Do all sampl	es have the	proper pH?		Acid			Base		
Vials	75	eomemors.	1			grown	e e		
Unp-		1 Liter Amb.		1 Liter	Plastic		16 o	z Amb.	
HCL-	2	500 mL Amb.		500 mL			8oz Ar	nb/Clear	
Meoh-		250 mL Amb.		250 mL		4		nb/Clear	
Bisulfate-		Col./Bacteria		Flash				nb/Clear	
DI-		Other Plastic		Other				core [	
Thiosulfate- Sulfuric-		SOC Kit		Plastic			Frozen:		ŀ
Sulluric-		Perchlorate		Zipk					
				Unused 1	ledia				
V F F	*	Captainers			51 11		4.0		
Unp- HCL-		1 Liter Amb.		1 Liter I				z Amb. nb/Clear	
Meoh-		500 mL Amb. 250 mL Amb.		500 mL 250 mL		п.		nb/Clear nb/Clear	
Bisulfate-		Col./Bacteria		Flash				nb/Clear	
DI-		Other Plastic		Other				core	
Thiosulfate-		SOC Kit		Plastic			Frozen:		
Sulfuric-		Perchlorate		Ziplo					l
Comments:	<del></del>		· · · · · · · · · · · · · · · · · · ·	,_,_,_					* .
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			•						
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