



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

June 14, 2018

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

Re: Notice of Environmental Sampling
281 Lower Sandy Hill Road
POETS Quarterly Sampling
Westfield, RTN 1-20093

Dear Mr. Lopez & Ms. Mojica:

The Department of Environmental Protection (DEP) collected influent, mid-fluent, and effluent, samples on May 15, 2018 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.

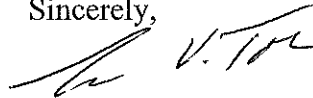
The treatment system sampling results indicate the treatment system is removing PFAS from your drinking water. The PFAS concentrations detected in the influent sample are consistent with earlier sampling results. PFAS compounds were not detected in the mid-fluent and effluent samples. Trace concentrations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

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



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

May 29, 2018

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: 18E0826

Enclosed are results of analyses for samples received by the laboratory on May 15, 2018. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

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

Emily E. Snyder
Project Manager

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

REPORT DATE: 5/29/2018

PURCHASE ORDER NUMBER:

PROJECT NUMBER: 183EM00170

ANALYTICAL SUMMARY

WORK ORDER NUMBER: 18E0826

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

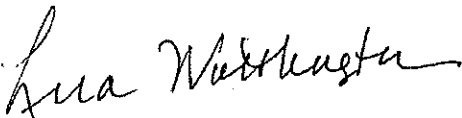
FIELD SAMPLE #	LAB ID:	MATRIX	SAMPLE DESCRIPTION	TEST	SUB LAB
Trip Blank	18E0826-01	Drinking Water		EPA 537	
281 FB	18E0826-02	Drinking Water		EPA 537	
281 EFF-4	18E0826-03	Drinking Water		EPA 200.8	
				EPA 537	
281 MID-4	18E0826-04	Drinking Water		EPA 200.8	
				EPA 537	
281 INF-4	18E0826-05	Drinking 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.

A handwritten signature in black ink, appearing to read "Lisa A. Worthington". The signature is written in a cursive, flowing style.

Lisa A. Worthington
Project Manager



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Project Location: 281 Lower Sandy Hill Rd., Westfi

Sample Description:

Work Order: 18E0826

Date Received: 5/15/2018

Field Sample #: Trip Blank

Sampled: 5/15/2018 08:40

Sample ID: 18E0826-01

Sample Matrix: Drinking Water

Miscellaneous Organic Analyses

Analyte	Results	MCL/SMCL		Units	Dilution	Flag/Qual	Method	Date	Date/Time	Analyst
		RL	MA ORSG					Prepared	Analyzed	
Perfluorobutanesulfonic acid (PFBS)	ND	2.0	2	ng/L	1		EPA 537	5/22/18	5/25/18 14:15	KAF
Perfluorohexanoic acid (PFHxA)	ND	2.0	2	ng/L	1		EPA 537	5/22/18	5/25/18 14:15	KAF
Perfluoroheptanoic acid (PFHpA)	ND	2.0	2	ng/L	1		EPA 537	5/22/18	5/25/18 14:15	KAF
Perfluorohexanesulfonic acid (PFHxS)	ND	2.0	2	ng/L	1		EPA 537	5/22/18	5/25/18 14:15	KAF
Perfluorooctanoic acid (PFOA)	ND	2.0	2	ng/L	1		EPA 537	5/22/18	5/25/18 14:15	KAF
Perfluorooctanesulfonic acid (PFOS)	ND	2.0	2	ng/L	1		EPA 537	5/22/18	5/25/18 14:15	KAF
Perfluorononanoic acid (PFNA)	ND	2.0	2	ng/L	1		EPA 537	5/22/18	5/25/18 14:15	KAF
Perfluorodecanoic acid (PFDA)	ND	2.0	2	ng/L	1		EPA 537	5/22/18	5/25/18 14:15	KAF
NMeFOSAA	ND	2.0		ng/L	1		EPA 537	5/22/18	5/25/18 14:15	KAF
Perfluoroundecanoic acid (PFUnA)	ND	2.0	2	ng/L	1		EPA 537	5/22/18	5/25/18 14:15	KAF
NEtFOSAA	ND	2.0		ng/L	1		EPA 537	5/22/18	5/25/18 14:15	KAF
Perfluorododecanoic acid (PFDoA)	ND	2.0	2	ng/L	1		EPA 537	5/22/18	5/25/18 14:15	KAF
Perfluorotridecanoic acid (PFTrDA)	ND	2.0	2	ng/L	1		EPA 537	5/22/18	5/25/18 14:15	KAF
Perfluorotetradecanoic acid (PFTA)	ND	2.0	2	ng/L	1		EPA 537	5/22/18	5/25/18 14:15	KAF
Surrogates		% Recovery	Recovery Limits			Flag/Qual				
13C-PFHxA		111	70-130						5/25/18 14:15	
13C-PFDA		107	70-130						5/25/18 14:15	
d5-NEtFOSAA		84.4	70-130						5/25/18 14:15	

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Project Location: 281 Lower Sandy Hill Rd., Westfi

Sample Description:

Work Order: 18E0826

Date Received: 5/15/2018

Field Sample #: 281 FB

Sampled: 5/15/2018 08:50

Sample ID: 18E0826-02

Sample Matrix: Drinking Water

Miscellaneous Organic Analyses

Analyte	Results	MCL/SMCL		Units	Dilution	Flag/Qual	Method	Date	Date/Time	Analyst
		RL	MA ORSG					Prepared	Analyzed	
Perfluorobutanesulfonic acid (PFBS)	ND	2.0	2	ng/L	1		EPA 537	5/22/18	5/25/18 14:27	KAF
Perfluorohexanoic acid (PFHxA)	ND	2.0	2	ng/L	1		EPA 537	5/22/18	5/25/18 14:27	KAF
Perfluoroheptanoic acid (PFHpA)	ND	2.0	2	ng/L	1		EPA 537	5/22/18	5/25/18 14:27	KAF
Perfluorohexanesulfonic acid (PFHxS)	ND	2.0	2	ng/L	1		EPA 537	5/22/18	5/25/18 14:27	KAF
Perfluorooctanoic acid (PFOA)	ND	2.0	2	ng/L	1		EPA 537	5/22/18	5/25/18 14:27	KAF
Perfluorooctanesulfonic acid (PFOS)	ND	2.0	2	ng/L	1		EPA 537	5/22/18	5/25/18 14:27	KAF
Perfluorononanoic acid (PFNA)	ND	2.0	2	ng/L	1		EPA 537	5/22/18	5/25/18 14:27	KAF
Perfluorodecanoic acid (PFDA)	ND	2.0	2	ng/L	1		EPA 537	5/22/18	5/25/18 14:27	KAF
NMeFOSAA	ND	2.0		ug/L	1		EPA 537	5/22/18	5/25/18 14:27	KAF
Perfluoroundecanoic acid (PFUnA)	ND	2.0	2	ng/L	1		EPA 537	5/22/18	5/25/18 14:27	KAF
NEtFOSAA	ND	2.0		ng/L	1		EPA 537	5/22/18	5/25/18 14:27	KAF
Perfluorododecanoic acid (PFDoA)	ND	2.0	2	ng/L	1		EPA 537	5/22/18	5/25/18 14:27	KAF
Perfluorotridecanoic acid (PFTrDA)	ND	2.0	2	ng/L	1		EPA 537	5/22/18	5/25/18 14:27	KAF
Perfluorotetradecanoic acid (PFTA)	ND	2.0	2	ng/L	1		EPA 537	5/22/18	5/25/18 14:27	KAF
Surrogates		% Recovery		Recovery Limits		Flag/Qual				
13C-PFHxA		103		70-130					5/25/18 14:27	
13C-PFDA		104		70-130					5/25/18 14:27	
d5-NEtFOSAA		87.8		70-130					5/25/18 14:27	



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Project Location: 281 Lower Sandy Hill Rd., Westfi

Sample Description:

Work Order: 18E0826

Date Received: 5/15/2018

Field Sample #: 281 EFF-4

Sampled: 5/15/2018 09:00

Sample ID: 18E0826-03

Sample Matrix: Drinking Water

Miscellaneous Organic Analyses

Analyte	Results	MCL/SMCL		Units	Dilution	Flag/Qual	Method	Date	Date/Time	Analyst
		RL	MA ORSG					Prepared	Analyzed	
Perfluorobutanesulfonic acid (PFBS)	ND	2.0	2	ng/L	1		EPA 537	5/22/18	5/25/18 14:43	KAF
Perfluorohexanoic acid (PFHxA)	ND	2.0	2	ng/L	1		EPA 537	5/22/18	5/25/18 14:43	KAF
Perfluoroheptanoic acid (PFHpA)	ND	2.0	2	ng/L	1		EPA 537	5/22/18	5/25/18 14:43	KAF
Perfluorohexanesulfonic acid (PFHxS)	ND	2.0	2	ng/L	1		EPA 537	5/22/18	5/25/18 14:43	KAF
Perfluorooctanoic acid (PFOA)	ND	2.0	2	ng/L	1		EPA 537	5/22/18	5/25/18 14:43	KAF
Perfluorooctanesulfonic acid (PFOS)	ND	2.0	2	ng/L	1		EPA 537	5/22/18	5/25/18 14:43	KAF
Perfluorononanoic acid (PFNA)	ND	2.0	2	ng/L	1		EPA 537	5/22/18	5/25/18 14:43	KAF
Perfluorodecanoic acid (PFDA)	ND	2.0	2	ng/L	1		EPA 537	5/22/18	5/25/18 14:43	KAF
NMeFOSAA	ND	2.0		ng/L	1		EPA 537	5/22/18	5/25/18 14:43	KAF
Perfluoroundecanoic acid (PFUnA)	ND	2.0	2	ng/L	1		EPA 537	5/22/18	5/25/18 14:43	KAF
NEtFOSAA	ND	2.0		ng/L	1		EPA 537	5/22/18	5/25/18 14:43	KAF
Perfluorododecanoic acid (PFDoA)	ND	2.0	2	ng/L	1		EPA 537	5/22/18	5/25/18 14:43	KAF
Perfluorotridecanoic acid (PFTriDA)	ND	2.0	2	ng/L	1		EPA 537	5/22/18	5/25/18 14:43	KAF
Perfluorotetradecanoic acid (PFTA)	ND	2.0	2	ng/L	1		EPA 537	5/22/18	5/25/18 14:43	KAF
Surrogates		% Recovery	Recovery Limits			Flag/Qual				
13C-PFHxA		113	70-130					5/25/18	14:43	
13C-PFDA		99.9	70-130					5/25/18	14:43	
d5-NEtFOSAA		96.3	70-130					5/25/18	14:43	



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Project Location: 281 Lower Sandy Hill Rd., Westfi

Sample Description:

Work Order: 18E0826

Date Received: 5/15/2018

Field Sample #: 281 EFF-4

Sampled: 5/15/2018 09:00

Sample ID: 18E0826-03

Sample Matrix: Drinking Water

Metals Analyses (Total)

Analyte	Results	MCL/SMCL		Units	Dilution	Flag/Qual	Method	Date	Date/Time	Analyst
		RL	MA ORSG					Prepared	Analyzed	
Arsenic	3.3	1.0	10	µg/L	1		EPA 200.8	5/24/18	5/24/18 15:46	WSD



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Project Location: 281 Lower Sandy Hill Rd., Westfi

Sample Description:

Work Order: 18E0826

Date Received: 5/15/2018

Field Sample #: 281 MID-4

Sampled: 5/15/2018 09:01

Sample ID: 18E0826-04

Sample Matrix: Drinking Water

Miscellaneous Organic Analyses

Analyte	Results	MCL/SMCL		Units	Dilution	Flag/Qual	Method	Date	Date/Time	Analyst
		RL	MA ORSG					Prepared	Analyzed	
Perfluorobutanesulfonic acid (PFBS)	ND	2.0	2	ng/L	1		EPA 537	5/22/18	5/25/18 14:56	KAF
Perfluorohexanoic acid (PFHxA)	ND	2.0	2	ng/L	1		EPA 537	5/22/18	5/25/18 14:56	KAF
Perfluoroheptanoic acid (PFHpA)	ND	2.0	2	ng/L	1		EPA 537	5/22/18	5/25/18 14:56	KAF
Perfluorohexanesulfonic acid (PFHxS)	ND	2.0	2	ng/L	1		EPA 537	5/22/18	5/25/18 14:56	KAF
Perfluorooctanoic acid (PFOA)	ND	2.0	2	ng/L	1		EPA 537	5/22/18	5/25/18 14:56	KAF
Perfluorooctanesulfonic acid (PFOS)	ND	2.0	2	ng/L	1		EPA 537	5/22/18	5/25/18 14:56	KAF
Perfluorononanoic acid (PFNA)	ND	2.0	2	ng/L	1		EPA 537	5/22/18	5/25/18 14:56	KAF
Perfluorodecanoic acid (PFDA)	ND	2.0	2	ng/L	1		EPA 537	5/22/18	5/25/18 14:56	KAF
NMeFOSAA	ND	2.0		ng/L	1		EPA 537	5/22/18	5/25/18 14:56	KAF
Perfluoroundecanoic acid (PFUnA)	ND	2.0	2	ng/L	1		EPA 537	5/22/18	5/25/18 14:56	KAF
NEtFOSAA	ND	2.0		ng/L	1		EPA 537	5/22/18	5/25/18 14:56	KAF
Perfluorododecanoic acid (PFDoA)	ND	2.0	2	ng/L	1		EPA 537	5/22/18	5/25/18 14:56	KAF
Perfluorotridecanoic acid (PFTriDA)	ND	2.0	2	ng/L	1		EPA 537	5/22/18	5/25/18 14:56	KAF
Perfluorotetradecanoic acid (PFTA)	ND	2.0	2	ng/L	1		EPA 537	5/22/18	5/25/18 14:56	KAF
Surrogates		% Recovery	Recovery Limits			Flag/Qual				
13C-PFHxA		110	70-130					5/25/18	14:56	
13C-PFDA		106	70-130					5/25/18	14:56	
d5-NEtFOSAA		90.5	70-130					5/25/18	14:56	



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Project Location: 281 Lower Sandy Hill Rd., Westfi

Sample Description:

Work Order: 18E0826

Date Received: 5/15/2018

Field Sample #: 281 MID-4

Sampled: 5/15/2018 09:01

Sample ID: 18E0826-04

Sample Matrix: Drinking Water

Metals Analyses (Total)

Analyte	Results	MCL/SMCL		Units	Dilution	Flag/Qual	Method	Date	Date/Time	Analyst
		RL	MA ORSG					Prepared	Analyzed	
Arsenic	3.9	1.0	10	µg/L	1		EPA 200.8	5/24/18	5/24/18 15:57	WSD



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Project Location: 281 Lower Sandy Hill Rd., Westfi

Sample Description:

Work Order: 18E0826

Date Received: 5/15/2018

Field Sample #: 281 INF-4

Sampled: 5/15/2018 09:02

Sample ID: 18E0826-05

Sample Matrix: Drinking Water

Miscellaneous Organic Analyses

Analyte	Results	MCL/SMCL		Units	Dilution	Flag/Qual	Method	Date	Date/Time	Analyst
		RL	MA ORSG					Prepared	Analyzed	
# Perfluorobutanesulfonic acid (PFBS)	8.4	2.0	2	ng/L	1		EPA 537	5/22/18	5/25/18 15:09	KAF
# Perfluorohexanoic acid (PFHxA)	36	2.0	2	ng/L	1		EPA 537	5/22/18	5/25/18 15:09	KAF
# Perfluoroheptanoic acid (PFHpA)	9.1	2.0	2	ng/L	1		EPA 537	5/22/18	5/25/18 15:09	KAF
# Perfluorohexanesulfonic acid (PFHxS)	100	2.0	2	ng/L	1		EPA 537	5/22/18	5/25/18 15:09	KAF
# Perfluorooctanoic acid (PFOA)	50	2.0	2	ng/L	1		EPA 537	5/22/18	5/25/18 15:09	KAF
# Perfluorooctanesulfonic acid (PFOS)	170	2.0	2	ng/L	1		EPA 537	5/22/18	5/25/18 15:09	KAF
Perfluorononanoic acid (PFNA)	ND	2.0	2	ng/L	1		EPA 537	5/22/18	5/25/18 15:09	KAF
Perfluorodecanoic acid (PFDA)	ND	2.0	2	ng/L	1		EPA 537	5/22/18	5/25/18 15:09	KAF
NMeFOSAA	ND	2.0		ng/L	1		EPA 537	5/22/18	5/25/18 15:09	KAF
Perfluoroundecanoic acid (PFUnA)	ND	2.0	2	ng/L	1		EPA 537	5/22/18	5/25/18 15:09	KAF
NEtFOSAA	ND	2.0		ng/L	1		EPA 537	5/22/18	5/25/18 15:09	KAF
Perfluorododecanoic acid (PFDoA)	ND	2.0	2	ng/L	1		EPA 537	5/22/18	5/25/18 15:09	KAF
Perfluorotridecanoic acid (PFTiDA)	ND	2.0	2	ng/L	1		EPA 537	5/22/18	5/25/18 15:09	KAF
Perfluorotetradecanoic acid (PFTA)	ND	2.0	2	ng/L	1		EPA 537	5/22/18	5/25/18 15:09	KAF
Surrogates		% Recovery	Recovery Limits			Flag/Qual				
13C-PFHxA		111	70-130					5/25/18 15:09		
13C-PFDA		115	70-130					5/25/18 15:09		
d5-NEtFOSAA		102	70-130					5/25/18 15:09		



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Project Location: 281 Lower Sandy Hill Rd., Westfi

Sample Description:

Work Order: 18E0826

Date Received: 5/15/2018

Field Sample #: 281 INT-4

Sampled: 5/15/2018 09:02

Sample ID: 18E0826-05

Sample Matrix: Drinking Water

Metals Analyses (Total)

Analyte	Results	MCL/SMCL		Units	Dilution	Flag/Qual	Method	Date	Date/Time	Analyst
		RL	MA ORSG					Prepared	Analyzed	
Arsenic	4.2	1.0	10	µg/L	1		EPA 200.8	5/24/18	5/24/18 16:35	WSD



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Sample Extraction Data

Prep Method: EPA 200.8-EPA 200.8

Lab Number [Field ID]	Batch	Initial [mL]	Final [mL]	Date
18E0826-03 [281 EFF-4]	B203916	10.0	10.0	05/24/18
18E0826-04 [281 MID-4]	B203916	10.0	10.0	05/24/18
18E0826-05 [281 INF-4]	B203916	10.0	10.0	05/24/18

Prep Method: EPA 537-EPA 537

Lab Number [Field ID]	Batch	Initial [mL]	Final [mL]	Date
18E0826-01 [Trip Blank]	B203973	250	1.00	05/22/18
18E0826-02 [281 FB]	B203973	250	1.00	05/22/18
18E0826-03 [281 EFF-4]	B203973	250	1.00	05/22/18
18E0826-04 [281 MID-4]	B203973	250	1.00	05/22/18
18E0826-05 [281 INF-4]	B203973	250	1.00	05/22/18

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QUALITY CONTROL

Miscellaneous Organic Analyses - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B203973 - EPA 537										
Blank (B203973-BLK1)										
Prepared: 05/22/18 Analyzed: 05/25/18										
Perfluorobutanesulfonic acid (PFBS)	ND	2.0	ng/L							
Perfluorohexanoic acid (PFHxA)	ND	2.0	ng/L							
Perfluoroheptanoic acid (PFHpA)	ND	2.0	ng/L							
Perfluorohexanesulfonic acid (PFHxS)	ND	2.0	ng/L							
Perfluorooctanoic acid (PFOA)	ND	2.0	ng/L							
Perfluorooctanesulfonic acid (PFOS)	ND	2.0	ng/L							
Perfluorononanoic acid (PFNA)	ND	2.0	ng/L							
Perfluorodecanoic acid (PFDA)	ND	2.0	ng/L							
NMeFOSAA	ND	2.0	ng/L							
Perfluoroundecanoic acid (PFUnA)	ND	2.0	ng/L							
NEtFOSAA	ND	2.0	ng/L							
Perfluorododecanoic acid (PFDoA)	ND	2.0	ng/L							
Perfluorotridecanoic acid (PFTTrDA)	ND	2.0	ng/L							
Perfluorotetradecanoic acid (PFTA)	ND	2.0	ng/L							
Surrogate: 13C-PFHxA	45.5		ng/L	40.0		114	70-130			
Surrogate: 13C-PFDA	43.0		ng/L	40.0		108	70-130			
Surrogate: d5-NEtFOSAA	185		ng/L	160		116	70-130			
LCS (B203973-BS1)										
Prepared: 05/22/18 Analyzed: 05/25/18										
Perfluorobutanesulfonic acid (PFBS)	1.81	2.0	ng/L	1.77		102	50-150			
Perfluorohexanoic acid (PFHxA)	2.81	2.0	ng/L	2.00		140	50-150			
Perfluoroheptanoic acid (PFHpA)	2.82	2.0	ng/L	2.00		141	50-150			
Perfluorohexanesulfonic acid (PFHxS)	2.70	2.0	ng/L	1.82		148	50-150			
Perfluorooctanoic acid (PFOA)	1.96	2.0	ng/L	2.00		98.0	50-150			
Perfluorooctanesulfonic acid (PFOS)	2.37	2.0	ng/L	1.85		128	50-150			
Perfluorononanoic acid (PFNA)	2.87	2.0	ng/L	2.00		144	50-150			
Perfluorodecanoic acid (PFDA)	2.10	2.0	ng/L	2.00		105	50-150			
NMeFOSAA	2.67	2.0	ng/L	2.00		133	50-150			
Perfluoroundecanoic acid (PFUnA)	2.39	2.0	ng/L	2.00		119	50-150			
NEtFOSAA	1.86	2.0	ng/L	2.00		93.1	50-150			
Perfluorododecanoic acid (PFDoA)	1.69	2.0	ng/L	2.00		84.6	50-150			
Perfluorotridecanoic acid (PFTTrDA)	2.02	2.0	ng/L	2.00		101	50-150			
Perfluorotetradecanoic acid (PFTA)	2.41	2.0	ng/L	2.00		121	50-150			
Surrogate: 13C-PFHxA	47.5		ng/L	40.0		119	70-130			
Surrogate: 13C-PFDA	46.8		ng/L	40.0		117	70-130			
Surrogate: d5-NEtFOSAA	170		ng/L	160		106	70-130			



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QUALITY CONTROL

Metals Analyses (Total) - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B203916 - EPA 200.8										
Blank (B203916-BLK1)										
Prepared & Analyzed: 05/24/18										
Arsenic	ND	1.0	µg/L							
LCS (B203916-BS1)										
Prepared & Analyzed: 05/24/18										
Arsenic	39.5	1.0	µg/L	40.0		98.9	85-115			
Duplicate (B203916-DUP1)										
Source: 18E0826-03										
Prepared & Analyzed: 05/24/18										
Arsenic	3.33	1.0	µg/L		3.31			0.623	20	
Duplicate (B203916-DUP2)										
Source: 18E0826-04										
Prepared & Analyzed: 05/24/18										
Arsenic	3.92	1.0	µg/L		3.91			0.211	20	
Matrix Spike (B203916-MS1)										
Source: 18E0826-03										
Prepared & Analyzed: 05/24/18										
Arsenic	29.6	1.2	µg/L	25.0	3.31	105	70-130			
Matrix Spike (B203916-MS2)										
Source: 18E0826-04										
Prepared & Analyzed: 05/24/18										
Arsenic	30.5	1.2	µg/L	25.0	3.91	106	70-130			

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FLAG/QUALIFIER SUMMARY

*	QC result is outside of established limits.
†	Wide recovery limits established for difficult compound.
‡	Wide RPD limits established for difficult compound.
#	Data exceeded client recommended or regulatory level
ND	Not Detected
RL	Reporting Limit is at the level of quantitation (LOQ)
DL	Detection Limit is the lower limit of detection determined by the MDL study
MCL	Maximum Contaminant Level

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

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



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CERTIFICATIONS

Certified Analyses included in this Report

Analyte	Certifications
<i>EPA 200.8 in Drinking Water</i>	
Arsenic	CT,MA,NH,NY,RI,NC,ME,VA
<i>EPA 537 in Drinking Water</i>	
Perfluorobutanesulfonic acid (PFBS)	VT-DW,ME,RI
Perfluorohexanoic acid (PFHxA)	VT-DW,ME,RI
Perfluoroheptanoic acid (PFHpA)	VT-DW,ME,RI
Perfluorohexanesulfonic acid (PFHxS)	VT-DW,ME,RI
Perfluorooctanoic acid (PFOA)	NH,NY,VT-DW,ME,RI
Perfluorooctanesulfonic acid (PFOS)	NH,NY,VT-DW,ME,RI
Perfluorononanoic acid (PFNA)	VT-DW,ME,RI
Perfluorodecanoic acid (PFDA)	VT-DW,ME,RI
NMeFOSAA	VT-DW,RI
Perfluoroundecanoic acid (PFUnA)	VT-DW,ME,RI
NEtFOSAA	VT-DW,RI
Perfluorododecanoic acid (PFDoA)	VT-DW,ME,RI
Perfluorotridecanoic acid (PFTrDA)	VT-DW,ME,RI
Perfluorotetradecanoic acid (PFTA)	VT-DW,ME,RI

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

Code	Description	Number	Expires
AIHA	AIHA-LAP, LLC - ISO17025:2005	100033	03/1/2020
MA	Massachusetts DEP	M-MA100	06/30/2018
CT	Connecticut Department of Public Health	PH-0567	09/30/2019
NY	New York State Department of Health	10899 NELAP	04/1/2019
NH-S	New Hampshire Environmental Lab	2516 NELAP	02/5/2019
RI	Rhode Island Department of Health	LAO00112	12/30/2018
NC	North Carolina Div. of Water Quality	652	12/31/2018
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	12/14/2018
NH-P	New Hampshire Environmental Lab	2557 NELAP	09/6/2018
VT-DW	Vermont Department of Health Drinking Water	VT-255716	06/12/2018
NC-DW	North Carolina Department of Health	25703	07/31/2018



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

Company Name: ATC Group Services
 Address: 73 William Franks Drive, West Springfield, MA
 Phone: (413) 781-0070

Project Name: 281 Lower Sandy Hill Rd, Westfield
 Project Location: 281 Lower Sandy Hill Rd, Westfield
 Project Number: 183EM00170
 Project Manager: Rob Smith

Con-Test Quote Name/Number:

Invoice Recipient:

Sampled By: Joseph Bolduc

Con-Test Work Order #	Client Sample ID / Description	Beginning Date/Time	Ending Date/Time	Composite	Grab	Matrix Code	Conc Code
1	Trip Blank	5/15/18	840		X	DW	U
2	281 FB	5/15/18	850		X	DW	U
3	281 EFF-4	5/15/18	900		X	DW	U
4	281 MID-4	5/15/18	901		X	DW	U
5	281 INF-4	5/15/18	902		X	DW	U

Comments: Email Results to West Springfield Environmental Management Group Only.

Requested by: (signature) Date/Time: 5/15/18 1555
 Received by: (signature) Date/Time: 5/15/18 1555
 Relinquished by: (signature) Date/Time:
 Relinquished by: (signature) Date/Time:
 Relinquished by: (signature) Date/Time:
 Relinquished by: (signature) Date/Time:

# of Containers	7	3	0	N	P
Preservation Code	O	N			
Container Code	P				
ANALYSIS REQUESTED					
TOTAL AS					
EPA METHOD 537					
<p>1 Matrix Codes: GW = Ground Water WW = Waste Water DW = Drinking Water A = Air S = Soil SL = Sludge SOL = Solid O = Other (please define)</p> <p>2 Preservation Codes: I = Iced H = HCL M = Methanol N = Nitric Acid S = Sulfuric Acid B = Sodium Bisulfate X = Sodium Hydroxide T = Sodium Thiosulfate O = Other (please define) TRIZMA</p> <p>3 Container Codes: A = Amber Glass G = Glass P = Plastic ST = Sterile V = Vial S = Surma: Canister T = Teclar Bag O = Other (please define)</p>					

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



PCB ONLY
 Soxhlet
 Non Soxhlet

Chromatogram
 AIFA-LAP, LLC

MWRA School MBTA
 WRTA
 Municipality 21 J Brownfield

Project Entity
 Government
 Federal
 City

Municipality
 21 J
 Brownfield

MWRA School MBTA
 WRTA
 Municipality 21 J Brownfield

Other
 Chromatogram
 AIFA-LAP, LLC



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 ESD Date 5/15/18 Time 1:55
 How were the samples received? In Cooler T No Cooler _____ On Ice _____ No Ice _____
 Direct from Sampling _____ Ambient _____ Melted Ice _____
 Were samples within Temperature? 2-6°C F By Gun # 577 Actual Temp - 15.9
 By Blank # _____ Actual Temp - _____
 Was Custody Seal Intact? NA Were Samples Tampered with? NA
 Was COC Relinquished? F Does Chain Agree With Samples? T
 Are there broken/leaking/loose caps on any samples? F
 Is COC in ink/ Legible? T Were samples received within holding time? T
 Did COC include all pertinent Information? Client T Analysis T Sampler Name T
 Project T ID's T Collection Dates/Times T
 Are Sample labels filled out and legible? T
 Are there Lab to Filters? F Who was notified? _____
 Are there Rushes? F Who was notified? _____
 Are there Short Holds? F Who was notified? _____
 Is there enough Volume? T
 Is there Headspace where applicable? NA MS/MSD? F
 Proper Media/Containers Used? T Is splitting samples required? F
 Were trip blanks received? T On COC? T
 Do all samples have the proper pH? Acid 7.0-8.2 Base NA

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

Unused Media

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

Comments:

Samples received all in one cooler with a thin layer of ice