

MONTHLY PRIVATE WELL SAMPLING SUMMARY				
PRINCETON PFAS RELEASE				
PRINCETON MASSACHUSETTS				
RTN 2-21072				
Sample Location	Date Sampled	Date Data Received	Total Regulated PFAS (ppt)	Comments
Town Well	9/5/2019	9/25/2019	124.7	
	9/27/2019	10/21/2019	100.2	
	1/8/2020	2/27/2020	230.1	
9 Allen Hill	2/12/2020	2/28/2020	<2	Round 3 location
12 Allen Hill	2/14/2020	2/27/2020	12.2	Round 3 location
32 Allen Hill	2/2/2020	2/6/2020	<2	
7 Boylston	1/27/2020	2/13/2020	23.2	Field Blank contained PFAS, concentration confirmed by running duplicate, see table
	POET INSTALLED 3/1/20			
12 Boylston	1/13/2020	1/29/2020	26.1	
	POET INSTALLED 3/20/20			
13 Boylston	1/8/2020	1/21/2020	<2	
16 Boylston	1/9/2020	1/21/2020	19.9	Very close to standard
17 Boylston	1/8/2020	1/21/2020	<2	
21 Boylston	2/19/2020	2/27/2020	<2	Round 3 Location
24 Boylston	1/9/2020	1/21/2020	<2	
9 Gregory Road	2/1/2020	2/7/2020	<2	Outside of radius
11 Gregory Hill	1/22/2020	2/6/2020	<2	
13 Gregory Hill	1/10/2020	1/23/2020	<2	
14 Gregory Hill	1/9/2020	1/21/2020	9.4	
15 Gregory Hill	1/13/2020	1/23/2020	20.4	
	POET INSTALLED 2/26/20			
	3/11/2020	3/18/2020	14.2	1st system sample (mid- and effluent ND)
21 Gregory Hill	2/28/2020	3/6/2020	<2	Round 3 Location
44 Gregory Hill	2/5/2020	2/14/2020	<2	Round 3 Location
1 Hubbardston	1/8/2020	1/21/2020	31.5	
	POET INSTALLED 2/26/20			
	3/11/2020	3/18/2020	28	1st system sample (mid- and effluent ND)
5 Hubbardston	12/5/2020	12/13/2019	39.2	
	POET INSTALLED 1/28/20			
	2/5/2020	2/18/2020	34.4	1st system sample (mid- and effluent ND)
	3/5/2020	3/11/2020	18.5	(mid- and effluent ND)
7 Hubbardston	12/5/2020	12/13/2019	9.7	
	12/5/2020	12/13/2019	132.6	
15 Hubbardston	POET INSTALLED 2/11/20			
	2/26/2020	3/9/2020	91	1st system sample (mid- and effluent ND)
	12/5/2020	12/13/2019	9.7	
19 Hubbardston	2/26/2020	3/9/2020	NA	POET installed by homeowner, EFF sample collected at homeowner request, EFF=ND
	1/10/2020	1/23/2020	9.0	
23 Hubbardston	1/27/2020	1/30/2020	8.7	resample
33 Hubbardston	2/5/2020	2/17/2020	2.5	Round 3 Location
35 Hubbardston				Round 3 Location
36 Hubbardston	2/6/2020	2/14/2020	<2	Round 3 Location
39 Hubbardston				Vacant, Foreclosure
42 Hubbardston	2/10/2020	2/28/2020	<2	Round 3 Location
43 Hubbardston	12/12/2019	1/31/2020	29	Sampled by homeowner
	POET INSTALLED 3/20/20			
44 Hubbardston	2/10/2020	2/28/2020	<2	Round 3 Location
46 Hubbardston	2/12/2020	2/28/2020	12.2	Round 3 Location
48 Hubbardston	2/12/2020	2/28/2020	<2	Round 3 Location
52 Hubbardston	2/12/2020	2/28/2020	<2	Round 3 Location
85 Merriam	2/26/2020	3/6/2020	6.8	Added to Round 3
105 Merriam	2/28/2020	3/6/2020	<2	Added to Round 3
2 Mountain	1/7/2020	1/21/2020	<2	
	12/5/2020	12/13/2019	30.1	
	POET INSTALLED 1/28/20			
6 Mountain	2/5/2020	2/18/2020	18.2	1st system sample (mid- and effluent ND)
	3/5/2020	3/12/2020	24.5	(mid- and effluent ND)
	12/9/2020	12/30/2019	2.0	
10 Mountain	1/9/2020	1/21/2020	38.7	NEEDS A POET
14 Mountain	1/22/2020	2/6/2020	45.1	resample
	1/10/2020	1/23/2020	217.4	
18 Mountain	POET INSTALLED 2/11/20			
	2/14/2020	3/3/2020	165.6	1st system sample (mid- and effluent ND)
	3/11/2020	3/18/2020	227	system sample (mid- and effluent ND)
	12/4/2020	12/13/2019	421	
19 Mountain	POET INSTALLED 1/10/20			
	1/13/2020	1/30/2020	109.5	1st system sample (mid- and effluent ND)
	1/17/2020	1/30/2020	345.6	2nd system sample (mid- and effluent ND)
	1/31/2020	2/7/2020	73.0	3rd system sample (mid- and effluent ND)
	3/3/2020	3/17/2020	70	(mid- and effluent ND)
20 Mountain	1/10/2020	1/23/2020	86	
	POET INSTALLED 2/11/20			
	2/14/2020	2/26/2020	106	1st system sample (mid- and effluent ND)
	3/17/2020			
21 Mountain	12/5/2019	12/13/2019	102.4	
	POET INSTALLED 1/21/20			
	1/24/2020	1/30/2020	88.6	1st system sample (mid- and effluent ND)
	1/31/2020	2/7/2020	77.7	2nd system sample (mid- and effluent ND)
	2/7/2020	2/18/2020	61.5	3rd system sample (mid- and effluent ND)
	3/17/2020			
22 Mountain				Homeowner reportedly out of country, house is listed for sale. Left 2 messages with Stoney Farm Realty. Have not heard back
29 Mountain	1/8/2020	1/21/2020	117.3	
	POET INSTALLED 2/24/20			
	3/11/2020	3/18/2020	84	1st system sample (mid- and effluent ND)
30 Mountain	1/27/2020	1/30/2020	15.9	
33 Mountain	2/7/2020	2/14/2020	<2	# always busy when dialed. Left a flyer on 1/9, certified mail sent 1/28, Homeowner reached out on 2/4. To be sampled ASAP
38 Mountain	2/14/2020	2/27/2020	2.2	Round 3 Location
51 Mountain	2/12/2020	2/28/2020	62.5	NEEDS A POET
54 Mountain	2/26/2020	3/6/2020	45.6	NEEDS A POET
58 Mountain	2/26/2020	3/6/2020	354	NEEDS A POET
64 Mountain	1/30/2020	2/5/2020	75	Outside Radius (homeowner pregnant, sampled as courtesy with 3 day rush)
	POET INSTALLED 2/18/20			
	3/3/2020	3/12/2020	89.5	1st system sample
5 Prospect	1/13/2020	1/16/2020	38.2	(mid- and effluent ND)
	POET INSTALLED 1/21/20			
	1/23/2020	2/6/2020	9.6	1st system sample (mid- and effluent ND)
	1/31/2020	2/7/2020	2.5	2nd system sample (mid- and effluent ND)
	2/7/2020	2/18/2020	2.4	3rd system
7 Prospect	12/9/2019	12/30/2019	13.3	
11 Prospect	1/8/2020	1/21/2020	4.4	
	2/20/2020	2/26/2020	5.8	POET installed by homeowner, INF/MID/EFF samples collected at homeowner request, (mid- and effluent ND)
16 Prospect	1/22/2020	2/7/2020	<2	
17 Prospect	1/8/2020	1/21/2020	2.8	
18 Prospect	1/8/2020	1/21/2020	<2	
21 Prospect	2/5/2020	2/14/2020	<2	No contact info, left flyer on 1/21, certified letter sent 1/28, homeowner reached out on 2/3.
26 Prospect	2/6/2020	2/14/2020	<2	Round 3 Location
27 Prospect				Round 3 Location
31 Prospect				Vacant property, Condemned
2 Radford	2/19/2020	2/26/2020	<2	Round 3 Location
7 Radford	2/28/2020	3/6/2020	2.3	Round 3 Location
8 Radford	2/28/2020	3/6/2020	6.4	Round 3 Location
11 Radford	2/14/2020	2/27/2020	5	Round 3 Location
12 Radford				Round 3 Location, certified letter sent 3/4
13 Radford	3/4/2020	3/16/2020	<2	Round 3 Location
28 Radford	1/30/2020	2/5/2020	15.1	
29 Radford	3/17/2020			Round 4 Location
1 Worcester	1/7/2020	1/21/2020	<2	
10 Worcester	1/9/2020	1/21/2020	16.6	
15 Worcester	3/6/2020	3/16/2020	3.1	Round 3 Location
16 Worcester	2/5/2020	2/14/2020	2.2	Round 3 Location
17 Worcester	2/10/2020	2/14/2020	<2	Round 3 Location
20 Worcester	3/17/2020			Round 3 Location
23 Worcester	2/5/2020	2/14/2020	<2	Round 3 Location

PRINCETON RESIDENTIAL SAMPLING LIST (ROUND 4)						
	ADDRESS	NAME	HOME	CELL	EMAIL	SAMPLE DATE
1	15 Allen Hill Rd					
2	19 Allen Hill Rd					
3	20 Allen Hill Rd					
4	40 Boylston Ave.					
5	4 Goodnow Rd					
6	73 Hubbardston Rd					
7	81 Hubbardston Rd					
8	57 Merriam Rd					
9	59 Merriam Rd					
10	70 Merriam Rd					
11	27 Prospect St (vacant)					
12	31 Prospect St (vacant)					
13	41 Prospect St					
14	15 Radford Rd					
15	18 Radford Rd					
16	23 Radford Rd					
17	29 Radford Rd	Michael Hanson				3/17/2020
18	33 Radford Rd					
19	37 Radford Rd					
20	38 Radford Rd					

POET SYSTEM STATUS			
Locations >20 ppt	System Status	General Chemistry Parameters Collected (yes/no)	Date Installed
7 Boylston	POET INSTALLED		3/1/2020
12 Boylston	POET INSTALLED	3/6/2020	3/20/2020
15 Gregory Hill	POET INSTALLED		2/26/2020
1 Hubbardston	POET INSTALLED		2/26/2020
5 Hubbardston	POET INSTALLED	1/23/2020	1/28/2020
15 Hubbardston	POET INSTALLED	1/17/2020	2/10/2020
43 Hubbardston	POET INSTALLED		3/20/2020
6 Mountain	POET INSTALLED	1/23/2020	1/28/2020
14 Mountain	NEEDS A POET		
18 Mountain	LARGE POET INSTALLED	2/14/2020	2/10/2020
19 Mountain	LARGE POET INSTALLED	--	1/10/2020
20 Mountain	POET INSTALLED	2/14/2020	2/11/2020
21 Mountain	POET INSTALLED	1/17/2020	1/21/2020
29 Mountain	POET INSTALLED	3/11/2020	2/24/2020
51 Mountain	NEEDS A POET	3/6/2020	
54 Mountain	NEEDS A POET		
58 Mountain	NEEDS A POET		
64 Mountain	POET INSTALLED		2/18/2020
5 Prospect	POET INSTALLED	1/20/2020	1/21/2020

FIGURE 2
ORTHOPHOTOGRAPH
SITE PLAN

LEGEND

Total Regulated PFAS Concentrations
in Parts-Per-Trillion (ppt)

- Greater Than 100
- Greater Than 20 But Less Than 100
- Greater Than 2 But Less Than 20
- Non Detect (<2)
- Non-Community Transient Public Water Supply

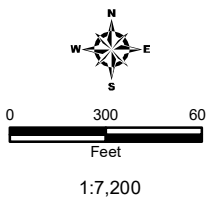
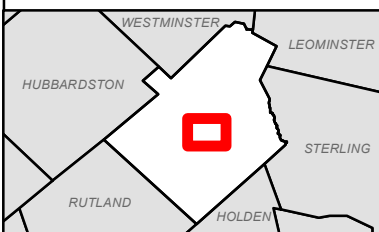
500' Foot Radii Over Time

- Start of Project
- Current Status (2020/03/09)
- Preliminary Radius 4 Boundary

Affected Property Labels:

- (Point of Entry Treatment, if present)
- Address
- PFAS 6-Compound Total

LOCUS MAP



NOTES

- Based on Google Imagery (2017)
- 500' Buffer based on a 50' buffer of building structures. Well locations are assumed to be within 50' of each home.
- Abbreviation Dictionary:

"ALLEN HILL RD" : "A-HIL"
"BOYLSTON AVE" : "BYLN"
"GREGORY HILL RD" : "G-HIL"
"HUBBARDSTON RD" : "HUB"
"MOUNTAIN RD" : "MTN"
"PROSPECT ST" : "PRSP"
"RADFORD RD" : "RFRD"
"WORCESTER RD" : "WORC"
"MERRIAM" : "MRIM"

Princeton, Massachusetts

March 2020

Tighe&Bond
Engineers | Environmental Specialists

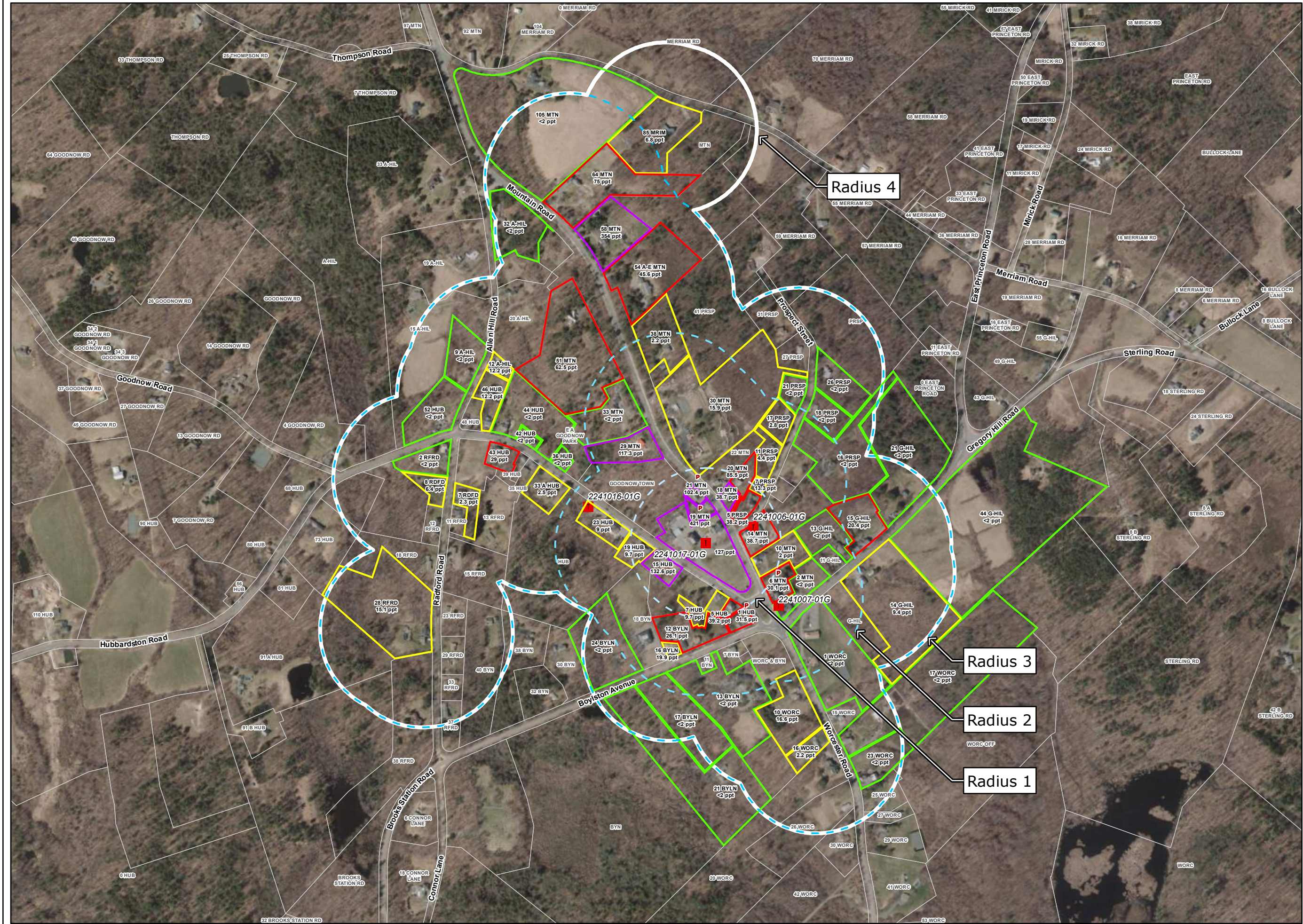


TABLE 1
PFAS Drinking Water Summary
Princeton, Massachusetts
RTN 2-21072
Last Updated: 03/17/2020

Sample ID	MassDEP MCP GW-1 & Proposed MMCL	Town Well (WELL-01G)	9 Allen Hill Rd	12 Allen Hill Rd	32 Allen Hill Rd	7 Boylston Ave	12 Boylston Ave	13 Boylston Ave	16 Boylston Ave	17 Boylston Ave	21 Boylston Ave	24 Boylston Ave	9 Gregory Rd	11 Gregory Hill Rd	13 Gregory Hill Rd
Sample Date		1/8/2020	2/12/20	2/19/20	2/2/20	1/27/20	1/10/20	1/8/20	1/9/20	1/8/20	2/19/20	1/9/20	2/1/20	1/22/20	1/10/20
Lab Sample ID		20B0669-01	20B0848-01	20B0053-01	20A1229-01	20A0577-01	20A0416-01	20A0424-01	20A0421-01	20B0952-01	20A0423-01	20B0052-01	20A1073-01	20A0581-01	
PFAS - Unregulated (ng/L)															
11CI-PF3OUdS (F53B Major)	NS	<1.84	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
9CI-PF3ONS (F53B Minor)	NS	<1.84	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
4,8-dioxa-3H-perfluorononanoic acid (ADONA)	NS	<1.84	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
Hexafluoropropylene oxide dimer acid (HFPO-DA)	NS	<1.84	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
N-EtFOSAA	NS	<1.84	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
N-MeFOSAA	NS	<1.84	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
perfluorobutanesulfonic acid (PFBS)	NS	31.9	<2.0	<2.0	<2.0	3.7	9.1	<2.0	5.3	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
Perfluorododecanoic acid (PFDoA)	NS	<1.84	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
Perfluorohexanoic acid (PFHxA)	NS	2.86	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	3.7	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
Perfluorotetradecanoic acid (PFTA)	NS	<1.84	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
Perfluorotridecanoic acid (PFTTrDA)	NS	<1.84	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
Perfluoroundecanoic acid (PFUnA)	NS	<1.84	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
PFAS - Regulated (ng/L)															
Perfluorodecanoic acid (PFDA)	NS	<1.84	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
perfluoroheptanoic acid (PFHpA)	NS	2.47	<2.0	2.2	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
perfluorohexanesulfonic acid (PFHxS)	NS	168	<2.0	<2.0	<2.0	17	14	<2.0	4.7	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
perfluorononanoic acid (PFNA)	NS	<1.84	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
perfluorooctanesulfonic acid (PFOS)	NS	52.6	<2.0	4.2	<2.0	6.2	6.4	<2.0	7.2	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
perfluorooctanoic acid (PFOA)	NS	9.52	<2.0	5.8	<2.0	<2.0	5.7	<2.0	8.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
Total Regulated PFAS (ng/L)	20	233	ND	12.2	ND	23	26	ND	19.9	ND	ND	ND	ND	ND	ND
Total PFAS (ng/L)	NS	267	ND	12.2	ND	27	35	ND	28.9	ND	ND	ND	ND	ND	ND

mg/l - milligrams per liter
ug/l - micrograms per liter
ng/l - nanograms per liter
MCP - Massachusetts Contingency Plan
MMCL is Massachusetts Maximun Containment Level
PFAS - Per- and Polyfluoroalkyl substances
NS - No Standard
<## - Parameter not detected above provided reporting limit
ND - Analytes in parameter group not detected above reporting limits
Bold and boxed values indicate exceedances of criteria

TABLE 1
PFAS Drinking Water Summary
Princeton, Massachusetts
RTN 2-21072
Last Updated: 03/17/2020

Sample ID	MassDEP MCP GW-1 & Proposed MMCL	14 Gregory Hill Rd 1/9/20 20A0456-01	15 Gregory Hill Rd 1/13/20 20A0575-01	21 Gregory Hill Rd 2/28/20 20C0012-01	44 Gregory Hill Road 2/5/20 20B0261-01	1 Hubbardston Rd 1/8/20 20A0419-01	5 Hubbardston Rd 12/5/19 19L0340-01	7 Hubbardston Rd 12/5/19 19L0341-01	15 Hubbardston Rd 12/5/19 19L0334-01	19 Hubbardston Rd 12/5/19 19L0339-01	23 Hubbardston Rd 1/10/20 20A0578-01	33 Hubbardston Rd 2/5/20 20B0262-01	36 Hubbardston Rd 2/6/20 20B0267-01	42 Hubbardston Rd 2/10/20 20B0677-01
PFAS - Unregulated (ng/L)														
11CI-PF3OUdS (F53B Major)	NS	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<4.0
9CI-PF3ONS (F53B Minor)	NS	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<4.0
4,8-dioxa-3H-perfluorononanoic acid (ADONA)	NS	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<4.0
Hexafluoropropylene oxide dimer acid (HFPO-DA)	NS	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<4.0
N-EtFOSAA	NS	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<4.0
N-MeFOSAA	NS	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<4.0
perfluorobutanesulfonic acid (PFBS)	NS	2.6	2.7	<2.0	<2.0	7.0	8.4	2.3	27	2.9	<2.0	<2.0	<2.0	<4.0
Perfluorododecanoic acid (PFDoA)	NS	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<4.0
Perfluorohexanoic acid (PFHxA)	NS	<2.0	2.9	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<4.0
Perfluorotetradecanoic acid (PFTA)	NS	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<4.0
Perfluorotridecanoic acid (PFTTrDA)	NS	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<4.0
Perfluoroundecanoic acid (PFUnA)	NS	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<4.0
PFAS - Regulated (ng/L)	NS													
Perfluorodecanoic acid (PFDA)	NS	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<4.0
perfluoroheptanoic acid (PFHpA)	NS	<2.0	4.7	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<4.0
perfluorohexanesulfonic acid (PFHxS)	NS	3.7	5.2	<2.0	<2.0	22	29	3.5	110	9.7	<2.0	<2.0	<2.0	<4.0
perfluorononanoic acid (PFNA)	NS	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<4.0
perfluorooctanesulfonic acid (PFOS)	NS	2.5	5.4	<2.0	<2.0	6.1	7.3	3.3	18	<2.0	4.1	2.5	<2.0	<4.0
perfluorooctanoic acid (PFOA)	NS	3.2	5.1	<2.0	<2.0	3.4	2.9	2.9	4.6	<2.0	4.9	<2.0	<2.0	<4.0
Total Regulated PFAS (ng/L)	20	9.4	20.4	ND	ND	32	39	9.7	133	9.7	9.0	2.5	ND	ND
Total PFAS (ng/L)	NS	12.0	26.0	ND	ND	39	48	12.0	160	12.6	9.0	2.5	ND	ND

mg/l - milligrams per liter
ug/l - micrograms per liter
ng/l - nanograms per liter
MCP - Massachusetts Contingency Plan
MMCL is Massachusetts Maximun Containment Level
PFAS - Per- and Polyfluoroalkyl substances
NS - No Standard
<## - Parameter not detected above provided reporting limit
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TABLE 1
PFAS Drinking Water Summary
Princeton, Massachusetts
RTN 2-21072
Last Updated: 03/17/2020

Sample ID	MassDEP MCP GW-1 & Proposed MMCL	43 Hubbardston Rd 12/12/19 19L0660-01	44 Hubbardston Rd 2/10/20 20B0679-01	46 Hubbardston Rd 2/12/20 20B0673-01	48 Hubbardston Rd 2/12/20 20B0676-01	52 Hubbardston Rd 2/12/20 20B0671-01	85 Merrian Rd 2/26/20 20B1180-01	105 Merriam Rd 2/28/20 20C0013-01	2 Mountain Rd 1/7/20 20A0415-01	6 Mountain Rd 12/5/19 19L0332-01	10 Mountain Rd 12/5/19 19L0333-01	14 Mountain Rd 1/22/20 20A1071-01	18 Mountain Rd 1/10/20 20A0765-01	19 Mountain Rd 12/4/19 19L0338-01	20 Mountain Rd INF 2/14/20 20B0849-01
PFAS - Unregulated (ng/L)															
11CI-PF3OUdS (F53B Major)	NS	<2.0	<4.0	<4.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
9CI-PF3ONS (F53B Minor)	NS	<2.0	<4.0	<4.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
4,8-dioxa-3H-perfluorononanoic acid (ADONA)	NS	<2.0	<4.0	<4.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
Hexafluoropropylene oxide dimer acid (HFPO-DA)	NS	<2.0	<4.0	<4.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
N-EtFOSAA	NS	<2.0	<4.0	<4.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
N-MeFOSAA	NS	<2.0	<4.0	<4.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
perfluorobutanesulfonic acid (PFBS)	NS	<2.0	<4.0	<4.0	<2.0	<2.0	<2.0	<2.0	<2.0	8.4	<2.0	8.7	25	32	14
Perfluorododecanoic acid (PFDoA)	NS	<2.0	<4.0	<4.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
Perfluorohexanoic acid (PFHxA)	NS	3.5	<4.0	<4.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	3.4	5.1	2.1
Perfluorotetradecanoic acid (PFTA)	NS	<2.0	<4.0	<4.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
Perfluorotridecanoic acid (PFTTrDA)	NS	<2.0	<4.0	<4.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
Perfluoroundecanoic acid (PFUnA)	NS	<2.0	<4.0	<4.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
PFAS - Regulated (ng/L)															
Perfluorodecanoic acid (PFDA)	NS	<2.0	<4.0	<4.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
perfluoroheptanoic acid (PFHpA)	NS	4.4	<4.0	<4.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	2.5	<2.0
perfluorohexanesulfonic acid (PFHxS)	NS	<2.0	<4.0	<4.0	<2.0	<2.0	<2.0	<2.0	<2.0	23	<2.0	35	150	220	74
perfluorononanoic acid (PFNA)	NS	<2.0	<4.0	<4.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
perfluorooctanesulfonic acid (PFOS)	NS	10	<4.0	6.0	<2.0	<2.0	2.7	<2.0	<2.0	4.7	2.0	7.8	61	190	28
perfluorooctanoic acid (PFOA)	NS	15	<4.0	6.2	<2.0	<2.0	4.1	<2.0	<2.0	2.4	<2.0	2.3	6.4	11	4.1
Total Regulated PFAS (ng/L)	20	29	ND	12.2	ND	ND	6.8	ND	ND	30	2.0	45	217	424	106
Total PFAS (ng/L)	NS	33	ND	12.2	ND	ND	6.8	ND	ND	39	2.0	54	246	461	122

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PFAS Drinking Water Summary
Princeton, Massachusetts
RTN 2-21072
Last Updated: 03/17/2020

Sample ID	MassDEP MCP GW-1 & Proposed MMCL	21 Mountain Rd 12/5/19 19L0331-01	29 Mountain Rd 1/8/20 20A0418-01	30 Mountain Rd 1/27/20 20A1146-01	33 Mountain Rd. 2/7/20 20B0430-01	38 Mountain Rd 2/14/20 20B0846-01	51 Mountain Rd 2/12/20 20B0681-01	54 Mountain Rd 2/26/20 20B1181-01	58 Mountain Rd 2/26/20 20B1178-01	64 Mountain Rd 1/30/20 20A1378-01	5 Prospect St 1/13/20 20A0546-01	7 Prospect St 12/9/19 19L0552-01	11 Prospect St INF 2/20/20 20B0953-01	16 Prospect St 1/22/20 20A1072-01	17 Prospect St 1/8/20 20A0422-01
PFAS - Unregulated (ng/L)															
11CI-PF3OUdS (F53B Major)	NS	<2.0	<2.0	<2.0	<2.0	<2.0	<4.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
9CI-PF3ONS (F53B Minor)	NS	<2.0	<2.0	<2.0	<2.0	<2.0	<4.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
4,8-dioxa-3H-perfluorononanoic acid (ADONA)	NS	<2.0	<2.0	<2.0	<2.0	<2.0	<4.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
Hexafluoropropylene oxide dimer acid (HFPO-DA)	NS	<2.0	<2.0	<2.0	<2.0	<2.0	<4.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
N-EtFOSAA	NS	<2.0	<2.0	<2.0	<2.0	<2.0	<4.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
N-MeFOSAA	NS	<2.0	<2.0	<2.0	<2.0	<2.0	<4.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
perfluorobutanesulfonic acid (PFBS)	NS	8.2	9.6	<2.0	<2.0	<2.0	<4.0	<2.0	<2.0	<2.0	9.4	3.1	<2.0	<2.0	<2.0
Perfluorododecanoic acid (PFDoA)	NS	<2.0	<2.0	<2.0	<2.0	<2.0	<4.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
Perfluorohexanoic acid (PFHxA)	NS	2.4	2.5	<2.0	<2.0	<2.0	6.9	5.2	19	14	<2.0	<2.0	<2.0	<2.0	<2.0
Perfluorotetradecanoic acid (PFTA)	NS	<2.0	<2.0	<2.0	<2.0	<2.0	<4.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
Perfluorotridecanoic acid (PFTTrDA)	NS	<2.0	<2.0	<2.0	<2.0	<2.0	<4.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
Perfluoroundecanoic acid (PFUnA)	NS	<2.0	<2.0	<2.0	<2.0	<2.0	<4.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
PFAS - Regulated (ng/L)															
Perfluorodecanoic acid (PFDA)	NS	<2.0	<2.0	<2.0	<2.0	<2.0	<4.0	<2.0	6.2	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
perfluoroheptanoic acid (PFHpA)	NS	<2.0	<2.0	<2.0	<2.0	<2.0	9.5	7.6	29	19	<2.0	<2.0	<2.0	<2.0	<2.0
perfluorohexanesulfonic acid (PFHxS)	NS	53	59	4.4	<2.0	<2.0	<4.0	<2.0	<2.0	<2.0	32	8.8	3.3	<2.0	<2.0
perfluorononanoic acid (PFNA)	NS	<2.0	<2.0	<2.0	<2.0	<2.0	<4.0	<2.0	20	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
perfluorooctanesulfonic acid (PFOS)	NS	44	53	5.4	<2.0	2.2	24	18	210	22	6.2	4.5	2.5	<2.0	2.8
perfluorooctanoic acid (PFOA)	NS	5.4	5.3	6.1	<2.0	<2.0	29	20	89	34	<2.0	<2.0	<2.0	<2.0	<2.0
Total Regulated PFAS (ng/L)	20	102	117	15.9	ND	2.2	62	46	354	75	38	13.3	5.8	ND	2.8
Total PFAS (ng/L)	NS	113	129	15.9	ND	2.2	69	51	373	89	48	16.4	5.8	ND	2.8

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Sample ID	MassDEP MCP GW-1 & Proposed MMCL	18 Prospect St	21 Prospect St	26 Prospect St	2 Radford Rd	8 Radford Rd	11 Radford Rd	28 Radford Rd	1 Worcester Rd	10 Worcester Rd	16 Worcester Rd.	17 Worcester Rd.	23 Worcester Rd.
Sample Date		1/8/20	2/5/20	2/6/20	2/19/20	2/28/20	2/14/20	1/30/20	1/7/20	1/9/20	2/5/20	2/10/20	2/5/20
Lab Sample ID		20A0420-01	20B0263-01	20B0266-01	20B0954-01	20C0015-01	20B0847-01	20A1380-01	20A0414-01	20A0412-01	20B0264-01	20B0431-01	20B0265-01
PFAS - Unregulated (ng/L)													
11CI-PF3OUdS (F53B Major)	NS	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
9CI-PF3ONS (F53B Minor)	NS	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
4,8-dioxa-3H-perfluorononanoic acid (ADONA)	NS	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
Hexafluoropropylene oxide dimer acid (HFPO-DA)	NS	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
N-EtFOSAA	NS	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
N-MeFOSAA	NS	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
perfluorobutanesulfonic acid (PFBS)	NS	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	2.1	<2.0	<2.0	<2.0	<2.0	<2.0
Perfluorododecanoic acid (PFDoA)	NS	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
Perfluorohexanoic acid (PFHxA)	NS	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	3.8	<2.0	<2.0	<2.0
Perfluorotetradecanoic acid (PFTA)	NS	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
Perfluorotridecanoic acid (PFTTrDA)	NS	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
Perfluoroundecanoic acid (PFUnA)	NS	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
PFAS - Regulated (ng/L)													
Perfluorodecanoic acid (PFDA)	NS	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
perfluoroheptanoic acid (PFHpA)	NS	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	8.0	<2.0	<2.0	<2.0
perfluorohexanesulfonic acid (PFHxS)	NS	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	2.7	<2.0	<2.0	<2.0	<2.0	<2.0
perfluorononanoic acid (PFNA)	NS	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	2.7	<2.0	<2.0	<2.0
perfluorooctanesulfonic acid (PFOS)	NS	<2.0	<2.0	<2.0	<2.0	2.5	2.3	7.0	<2.0	2.3	<2.0	<2.0	<2.0
perfluorooctanoic acid (PFOA)	NS	<2.0	<2.0	<2.0	<2.0	3.9	2.7	5.4	<2.0	3.6	2.2	<2.0	<2.0
Total Regulated PFAS (ng/L)	20	ND	ND	ND	ND	6.4	5.0	15.1	ND	16.6	2.2	ND	ND
Total PFAS (ng/L)	NS	ND	ND	ND	ND	6.4	5.0	17.2	ND	20.4	2.2	ND	ND

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