



Per- and Polyfluoroalkyl Substances (PFAS) Report

Page 1 of 2

I. PWS INFORMATION: Please refer to your MassDEP Water Quality Sampling Schedule (WQSS) to help complete this form

PWS ID #:	2187000	City / Town:	Millis
PWS Name:	MILLIS WATER DEPT	PWS Class:	COM <input checked="" type="checkbox"/> NTNC <input type="checkbox"/> TNC <input type="checkbox"/>

MassDEP Location (LOC) ID#	MassDEP Location Name	Sample Information		Date Collected	Collected By
04G	FINISHED: WELL #4 SOUTH END POND WTF	<input type="checkbox"/> (M)ultiple <input checked="" type="checkbox"/> (S)ingle	<input type="checkbox"/> (R)aw <input checked="" type="checkbox"/> (F)inished	10/21/20	R.M.
Routine or Special Sample	Original, Resubmitted or Confirmation Report	If Resubmitted Report, list below:			
		(1) Reason for Resubmission		(2) Collection Date of Original Sample	
<input checked="" type="checkbox"/> RS <input type="checkbox"/> SS	<input checked="" type="checkbox"/> Original <input type="checkbox"/> Resubmitted <input type="checkbox"/> Confirmation	<input type="checkbox"/> Resample <input type="checkbox"/> Reanalysis <input type="checkbox"/> Report Correction			
SAMPLE COMMENTS - Such as, if a Manifold/Multiple sample, list the source(s) that were on-line during sample collection or if this is a field reagent blank					
The samples were received at the laboratory above the required temperature range. The samples were transported to the laboratory in a cooler with ice and delivered directly from the sampling site. This is considered acceptable since the samples were in the process of cooling.					

II. ANALYTICAL LABORATORY INFORMATION:

Primary Lab Cert. #:	M-MA086	Primary Lab Name:	Alpha Analytical	Subcontracted? (Y/N)	Y
Analysis Lab Cert. #:	M-MA030	Analysis Lab Name:	Alpha Analytical		
If Analysis Lab is not certified by MassDEP or U.S. EPA, list certification authority:					

Lab Method	Date Extracted	Date Analyzed	Dilution Factor	Lab Sample IDs#	
537.1	11/02/20	11/05/20	1	Primary Lab:	L2045492-01
				Subcontracted Lab:	L2045492-01

CAS#	REGULATED PFAS CONTAMINANTS	Result ¹ ng/L	Result ² Qualifier	MCL* ng/L	MDL ng/L	MRL ng/L
1763-23-1	Perfluorooctane Sulfonic Acid (PFOS)	1.58	J	-	0.452	1.84
335-67-1	Perfluorooctanoic Acid (PFOA)	4.00			0.573	1.84
355-46-4	Perfluorohexane Sulfonic Acid (PFHxS)	1.62	J		0.441	1.84
375-95-1	Perfluorononanoic Acid (PFNA)	ND			0.437	1.84
375-85-9	Perfluorooheptanoic Acid (PFHpA)	0.991	J		0.239	1.84
335-76-2	Perfluorodecanoic acid (PFDA)	ND			0.591	1.84
PFAS6 (sum of PFOS, PFOA, PFHxS, PFNA, PFHpA and PFDA; only include Results at or above the MRL; do not include estimated Results as described by a Result Qualifier in the next column)		4.00	--	20	-	-
	UNREGULATED PFAS CONTAMINANTS					
375-73-5	Perfluorobutane sulfonic acid (PFBS)	0.698	J	-	0.261	1.84
307-55-1	Perfluorododecanoic acid (PFDoA)	ND			0.595	1.84
307-24-4	Perfluorohexanoic acid (PFHxA)	1.32	J		0.242	1.84
376-06-7	Perfluorotetradecanoic acid (PFTA)	ND			0.396	1.84
72629-94-8	Perfluorotridecanoic acid (PFTDA)	ND			0.466	1.84
2058-94-8	Perfluoroundecanoic acid (PFUnA)	ND			0.749	1.84
2991-50-6	N-ethyl perfluorooctanesulfonamidoacetic acid (NtFOSAA)	ND			0.874	1.84
2355-31-9	N-methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)	ND			0.859	1.84
763051-92-9	11-chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11CI-PF3OUdS)	ND			0.193	1.84
756426-58-1	9-chlorohexadecafluoro-3-oxanone-1-sulfonic acid (9CI-PF3ONS)	ND			0.253	1.84
919005-14-4	4,8-dioxa-3H-perfluorononanoic acid (ADONA)	ND			0.066	1.84
13252-13-6	Hexafluoropropylene oxide dimer acid (HFPO-DA)	ND			0.415	3.67

¹ A field reagent blank (FRB) must be analyzed and reported on a separate PFAS form if any PFAS are detected above the MRL.² All qualifiers must be described under Lab Analysis Comments on page 2.



Per- and Polyfluoroalkyl Substances (PFAS) Report

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PWS ID#:

2187000

Lab Sample ID#:

Primary Lab:

L2045492-01

Subcontracted Lab:

L2045492-01

CAS#	UNREGULATED PFAS CONTAMINANTS	Result ¹ ng/L	Result ² Qualifier	MCL * ng/L	MDL ng/L	MRL ng/L

Surrogate Name	% Recovery (70 – 130%)	Alternate Surrogate (must document reason for change)
¹³ C ₂ -PFHxA	85	
¹³ C ₂ -PFDA	94	
d ₅ -NEtFOSAA	87	
¹³ C ₃ -HFPO-DA	76	

Note: ¹³C₃-HFPO-DA is not required for EPA Method 537 v1.1

In addition to the SUR above you must attach the results of the ongoing QC results as specified by the method for the sample's extraction batch.

☒ Laboratory analytical report with QC attached (check one item below).☐ All associated QC criteria reported within control limits including Lab Reagent/Method Blank (LRB), Field Reagent Blank (FRB), Surrogate Standards (SUR), Laboratory Fortified Blank (LFB), Matrix Spike/Duplicate (LFSM/LFSMD or FD) and RPD.☒ All associated sample and/or QC batch criteria not met. See Lab Analysis Comments below and narrative in attached report.

Lab Analysis Comments: (include sample/method parameters outside of or affecting QC controls/limits and result qualifiers)

Result Qualifier	Qualifier Description
J	The target analyte concentration is below the quantitation limit (RL), but above the Method Detection Limit.
Other Analysis Comments:	

* MCL or proposed MCL

I certify under penalties of law that I am the person authorized to fill out this form and the information contained herein is true, accurate and complete to the best extent of my knowledge.

Primary Lab Director Signature:

Date:

11/12/20

If not submitting these results electronically, mail TWO copies of this report to your MassDEP Regional Office no later than 10 days after the end of the month in which you received this report or no later than 10 days after the end of the reporting period, whichever is sooner. Note that during the Massachusetts COVID-19 state of emergency, in addition to submitting by mail reports may be emailed to program.director-dwp@mass.gov.

MassDEP REVIEW STATUS (Initial & Date)	Review Comments	<input type="checkbox"/> WQTS Data Entered
<input type="checkbox"/> Accepted _____ <input type="checkbox"/> Disapproved _____		



Per- and Polyfluoroalkyl Substances (PFAS) Report

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I. PWS INFORMATION: Please refer to your MassDEP Water Quality Sampling Schedule (WQSS) to help complete this form

PWS ID #:	2187000	City / Town:	Millis
PWS Name:	MILLIS WATER DEPT	PWS Class:	COM <input checked="" type="checkbox"/> NTNC <input type="checkbox"/> TNC <input type="checkbox"/>

MassDEP Location (LOC) ID#	MassDEP Location Name	Sample Information		Date Collected	Collected By
04G	FINISHED: WELL #4 SOUTH END POND WTF (FB)	<input type="checkbox"/> (M)ultiple <input checked="" type="checkbox"/> (S)ingle	<input type="checkbox"/> (R)aw <input checked="" type="checkbox"/> (F)inished	10/21/20	R.M.
Routine or Special Sample	Original, Resubmitted or Confirmation Report	If Resubmitted Report, list below:			
		(1) Reason for Resubmission		(2) Collection Date of Original Sample	
<input checked="" type="checkbox"/> RS <input type="checkbox"/> SS	<input checked="" type="checkbox"/> Original <input type="checkbox"/> Resubmitted <input type="checkbox"/> Confirmation	<input type="checkbox"/> Resample <input type="checkbox"/> Reanalysis <input type="checkbox"/> Report Correction			
SAMPLE COMMENTS - Such as, if a Manifold/Multiple sample, list the source(s) that were on-line during sample collection or if this is a field reagent blank					
The samples were received at the laboratory above the required temperature range. The samples were transported to the laboratory in a cooler with ice and delivered directly from the sampling site. This is considered acceptable since the samples were in the process of cooling.					

II. ANALYTICAL LABORATORY INFORMATION:

Primary Lab Cert. #:	M-MA086	Primary Lab Name:	Alpha Analytical	Subcontracted? (Y/N)	Y
Analysis Lab Cert. #:	M-MA030	Analysis Lab Name:	Alpha Analytical		
If Analysis Lab is not certified by MassDEP or U.S. EPA, list certification authority:					

Lab Method	Date Extracted	Date Analyzed	Dilution Factor	Lab Sample IDs#	
537.1	11/02/20	11/05/20	1	Primary Lab:	L2045492-02
				Subcontracted Lab:	L2045492-02

CAS#	REGULATED PFAS CONTAMINANTS	Result ¹ ng/L	Result ² Qualifier	MCL* ng/L	MDL ng/L	MRL ng/L
1763-23-1	Perfluorooctane Sulfonic Acid (PFOS)	ND		-	0.464	1.88
335-67-1	Perfluorooctanoic Acid (PFOA)	ND			0.588	1.88
355-46-4	Perfluorohexane Sulfonic Acid (PFHxS)	ND			0.452	1.88
375-95-1	Perfluorononanoic Acid (PFNA)	ND			0.448	1.88
375-85-9	Perfluoroheptanoic Acid (PFHpA)	ND			0.245	1.88
335-76-2	Perfluorodecanoic acid (PFDA)	ND			0.607	1.88
PFAS6 (sum of PFOS, PFOA, PFHxS, PFNA, PFHpA and PFDA; only include Results at or above the MRL; do not include estimated Results as described by a Result Qualifier in the next column)		=	--	20	-	-
UNREGULATED PFAS CONTAMINANTS						
375-73-5	Perfluorobutane sulfonic acid (PFBS)	ND		-	0.268	1.88
307-55-1	Perfluorododecanoic acid (PFDoA)	ND			0.610	1.88
307-24-4	Perfluorohexanoic acid (PFHxA)	ND			0.248	1.88
376-06-7	Perfluorotetradecanoic acid (PFTA)	ND			0.407	1.88
72629-94-8	Perfluorotridecanoic acid (PFTDA)	ND			0.479	1.88
2058-94-8	Perfluoroundecanoic acid (PFUnA)	ND			0.769	1.88
2991-50-6	N-ethyl perfluorooctanesulfonamidoacetic acid (NtFOSAA)	ND			0.897	1.88
2355-31-9	N-methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)	ND			0.882	1.88
763051-92-9	11-chloroeicosafuoro-3-oxaundecane-1-sulfonic acid (11CI-PF3OUdS)	ND			0.198	1.88
756426-58-1	9-chlorohexadecafluoro-3-oxanone-1-sulfonic acid (9CI-PF3ONS)	ND			0.259	1.88
919005-14-4	4,8-dioxa-3H-perfluorononanoic acid (ADONA)	ND			0.068	1.88
13252-13-6	Hexafluoropropylene oxide dimer acid (HFPO-DA)	ND			0.426	3.77

¹ A field reagent blank (FRB) must be analyzed and reported on a separate PFAS form if any PFAS are detected above the MRL.² All qualifiers must be described under Lab Analysis Comments on page 2.

Per- and Polyfluoroalkyl Substances (PFAS) Report

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PWS ID#:

2187000

Lab Sample ID#:

Primary Lab:

L2045492-02

Subcontracted Lab:

L2045492-02

[illegible]

Surrogate Name	% Recovery (70 – 130%)	Alternate Surrogate (must document reason for change)
¹³ C ₂ -PFHxA	101	
¹³ C ₂ -PFDA	107	
d ₅ -NETFOSAA	85	
¹³ C ₃ -HFPO-DA	94	

Note: $^{13}\text{C}_3\text{-HFPO-DA}$ is not required for EPA Method 537 v1.1

In addition to the SUR above you must attach the results of the ongoing QC results as specified by the method for the sample's extraction batch.

☒ Laboratory analytical report with QC attached (check one item below).

☐ All associated QC criteria reported within control limits including Lab Reagent/Method Blank (LRB), Field Reagent Blank (FRB), Surrogate Standards (SUR), Laboratory Fortified Blank (LFB), Matrix Spike/Duplicate (LSM/LFSD or FD) and RPD.

☒ All associated sample and/or QC batch criteria not met. See Lab Analysis Comments below and narrative in attached report.

Lab Analysis Comments: (include sample/method parameters outside of or affecting QC controls/limits and result qualifiers)

Result Qualifier	Qualifier Description
J	The target analyte concentration is below the quantitation limit (RL), but above the Method Detection Limit.
Other Analysis Comments:	L2045492-02 and -03: The sample was re-analyzed due to QC failures in the original analysis. The results of the re-analysis are reported.

* MCL or proposed MCL

I certify under penalties of law that I am the person authorized to fill out this form and the information contained herein is true, accurate and complete to the best extent of my knowledge.

Primary Lab Director Signature:

Joseph Watkins

Date:

11/12/20

If not submitting these results electronically, mail TWO copies of this report to your MassDEP Regional Office no later than 10 days after the end of the month in which you received this report or no later than 10 days after the end of the reporting period, whichever is sooner. Note that during the Massachusetts COVID-19 state of emergency, in addition to submitting by mail reports may be emailed to program.director-dwp@mass.gov.

MassDEP REVIEW STATUS (Initial & Date) <input type="checkbox"/> Accepted _____ <input type="checkbox"/> Disapproved _____	Review Comments	<input type="checkbox"/> WQTS Data Entered
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I. PWS INFORMATION: Please refer to your MassDEP Water Quality Sampling Schedule (WQSS) to help complete this form

PWS ID #:	2187000	City / Town:	Millis
PWS Name:	MILLIS WATER DEPT	PWS Class:	COM <input checked="" type="checkbox"/> NTNC <input type="checkbox"/> TNC <input type="checkbox"/>

MassDEP Location (LOC) ID#	MassDEP Location Name	Sample Information		Date Collected	Collected By
06G	FINISHED: WELL #6 PAINE WTF	<input type="checkbox"/> (M)ultiple <input checked="" type="checkbox"/> (S)ingle	<input type="checkbox"/> (R)aw <input checked="" type="checkbox"/> (F)inished	10/21/20	R.M.
Routine or Special Sample	Original, Resubmitted or Confirmation Report	If Resubmitted Report, list below:			
		(1) Reason for Resubmission		(2) Collection Date of Original Sample	
<input checked="" type="checkbox"/> RS <input type="checkbox"/> SS	<input checked="" type="checkbox"/> Original <input type="checkbox"/> Resubmitted <input type="checkbox"/> Confirmation	<input type="checkbox"/> Resample <input type="checkbox"/> Reanalysis <input type="checkbox"/> Report Correction			
SAMPLE COMMENTS - Such as, if a Manifold/Multiple sample, list the source(s) that were on-line during sample collection or if this is a field reagent blank					
The samples were received at the laboratory above the required temperature range. The samples were transported to the laboratory in a cooler with ice and delivered directly from the sampling site. This is considered acceptable since the samples were in the process of cooling.					

II. ANALYTICAL LABORATORY INFORMATION:

Primary Lab Cert. #:	M-MA086	Primary Lab Name:	Alpha Analytical	Subcontracted? (Y/N)	Y
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Analysis Lab Cert. #:	M-MA030	Analysis Lab Name:	Alpha Analytical
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If Analysis Lab is not certified by MassDEP or U.S. EPA, list certification authority:

Lab Method	Date Extracted	Date Analyzed	Dilution Factor	Lab Sample IDs#	
537.1	11/02/20	11/05/20	1	Primary Lab:	L2045492-03
				Subcontracted Lab:	L2045492-03

CAS#	REGULATED PFAS CONTAMINANTS	Result ¹ ng/L	Result ² Qualifier	MCL* ng/L	MDL ng/L	MRL ng/L
1763-23-1	Perfluorooctane Sulfonic Acid (PFOS)	3.02		-	0.453	1.84
335-67-1	Perfluorooctanoic Acid (PFOA)	3.06			0.575	1.84
355-46-4	Perfluorohexane Sulfonic Acid (PFHxS)	2.40			0.442	1.84
375-95-1	Perfluorononanoic Acid (PFNA)	ND			0.439	1.84
375-85-9	Perfluorohepatanoic Acid (PFHpA)	1.47	J		0.240	1.84
335-76-2	Perfluorodecanoic acid (PFDA)	ND			0.593	1.84
PFAS6 (sum of PFOS, PFOA, PFHxS, PFNA, PFHpA and PFDA; only include Results at or above the MRL; do not include estimated Results as described by a Result Qualifier in the next column)		=	8.48	--	20	-
	UNREGULATED PFAS CONTAMINANTS					
375-73-5	Perfluorobutane sulfonic acid (PFBS)	1.55	J	-	0.262	1.84
307-55-1	Perfluorododecanoic acid (PFDoA)	ND			0.597	1.84
307-24-4	Perfluorohexanoic acid (PFHxA)	3.28			0.242	1.84
376-06-7	Perfluorotetradecanoic acid (PFTA)	0.700	J		0.398	1.84
72629-94-8	Perfluorotridecanoic acid (PFTDA)	ND			0.468	1.84
2058-94-8	Perfluoroundecanoic acid (PFUnA)	ND			0.752	1.84
2991-50-6	N-ethyl perfluorooctanesulfonamidoacetic acid (NEtFOSAA)	0.921	J		0.877	1.84
2355-31-9	N-methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)	ND			0.862	1.84
763051-92-9	11-chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)	ND			0.194	1.84
756426-58-1	9-chlorohexadecafluoro-3-oxanone-1-sulfonic acid (9Cl-PF3ONS)	ND			0.254	1.84
919005-14-4	4,8-dioxa-3H-perfluorononanoic acid (ADONA)	ND			0.066	1.84
13252-13-6	Hexafluoropropylene oxide dimer acid (HFPO-DA)	ND			0.416	3.68

¹ A field reagent blank (FRB) must be analyzed and reported on a separate PFAS form if any PFAS are detected above the MRL.² All qualifiers must be described under Lab Analysis Comments on page 2.



Per- and Polyfluoroalkyl Substances (PFAS) Report

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PWS ID#:

2187000

Lab Sample ID#:

Primary Lab:

L2045492-03

Subcontracted Lab:

L2045492-03

CAS#	UNREGULATED PFAS CONTAMINANTS	Result ¹ ng/L	Result ² Qualifier	MCL * ng/L	MDL ng/L	MRL ng/L

Surrogate Name	% Recovery (70 – 130%)	Alternate Surrogate (must document reason for change)
¹³ C ₂ -PFHxA	93	
¹³ C ₂ -PFDA	110	
d ₅ -NEtFOSAA	87	
¹³ C ₃ -HFPO-DA	94	

Note: ¹³C₃-HFPO-DA is not required for EPA Method 537 v1.1

In addition to the SUR above you must attach the results of the ongoing QC results as specified by the method for the sample's extraction batch.

☒ **Laboratory analytical report with QC attached (check one item below).**☐ All associated QC criteria reported within control limits including Lab Reagent/Method Blank (LRB), Field Reagent Blank (FRB), Surrogate Standards (SUR), Laboratory Fortified Blank (LFB), Matrix Spike/Duplicate (LFSM/LFSMD or FD) and RPD.☒ All associated sample and/or QC batch criteria not met. See Lab Analysis Comments below and narrative in attached report.**Lab Analysis Comments:** (include sample/method parameters outside of or affecting QC controls/limits and result qualifiers)

Result Qualifier	Qualifier Description
J	The target analyte concentration is below the quantitation limit (RL), but above the Method Detection Limit.
Other Analysis Comments:	L2045492-02 and -03: The sample was re-analyzed due to QC failures in the original analysis. The results of the re-analysis are reported.

* MCL or proposed MCL

I certify under penalties of law that I am the person authorized to fill out this form and the information contained herein is true, accurate and complete to the best extent of my knowledge.

Primary Lab Director Signature:

Date:

11/12/20

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MassDEP REVIEW STATUS (Initial & Date)	Review Comments	<input type="checkbox"/> WQTS Data Entered
<input type="checkbox"/> Accepted _____ <input type="checkbox"/> Disapproved _____		



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PWS ID #:	2187000	City / Town:	Millis
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MassDEP Location (LOC) ID#	MassDEP Location Name	Sample Information		Date Collected	Collected By
06G	FINISHED: WELL #6 PAINE WTF (FB)	<input type="checkbox"/> (M)ultiple <input checked="" type="checkbox"/> (S)ingle	<input type="checkbox"/> (R)aw <input checked="" type="checkbox"/> (F)inished	10/21/20	R.M.
Routine or Special Sample	Original, Resubmitted or Confirmation Report	If Resubmitted Report, list below:			
		(1) Reason for Resubmission		(2) Collection Date of Original Sample	
<input checked="" type="checkbox"/> RS <input type="checkbox"/> SS	<input checked="" type="checkbox"/> Original <input type="checkbox"/> Resubmitted <input type="checkbox"/> Confirmation	<input type="checkbox"/> Resample <input type="checkbox"/> Reanalysis <input type="checkbox"/> Report Correction			
SAMPLE COMMENTS - Such as, if a Manifold/Multiple sample, list the source(s) that were on-line during sample collection or if this is a field reagent blank					
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II. ANALYTICAL LABORATORY INFORMATION:

Primary Lab Cert. #:	M-MA086	Primary Lab Name:	Alpha Analytical	Subcontracted? (Y/N)	Y
Analysis Lab Cert. #:	M-MA030	Analysis Lab Name:	Alpha Analytical		
If Analysis Lab is not certified by MassDEP or U.S. EPA, list certification authority:					

Lab Method	Date Extracted	Date Analyzed	Dilution Factor	Lab Sample IDs#	
537.1	11/02/20	11/05/20	1	Primary Lab:	L2045492-04
				Subcontracted Lab:	L2045492-04

CAS#	REGULATED PFAS CONTAMINANTS	Result ¹ ng/L	Result ² Qualifier	MCL* ng/L	MDL ng/L	MRL ng/L
1763-23-1	Perfluorooctane Sulfonic Acid (PFOS)	0.579	J	-	0.445	1.81
335-67-1	Perfluorooctanoic Acid (PFOA)	0.579	J		0.564	1.81
355-46-4	Perfluorohexane Sulfonic Acid (PFHxS)	ND			0.434	1.81
375-95-1	Perfluorononanoic Acid (PFNA)	0.470	J		0.431	1.81
375-85-9	Perfluoroheptanoic Acid (PFHpA)	0.434	J		0.235	1.81
335-76-2	Perfluorodecanoic acid (PFDA)	ND			0.583	1.81
PFAS6 (sum of PFOS, PFOA, PFHxS, PFNA, PFHpA and PFDA; only include Results at or above the MRL; do not include estimated Results as described by a Result Qualifier in the next column)		=	--	20	-	-
	UNREGULATED PFAS CONTAMINANTS					
375-73-5	Perfluorobutane sulfonic acid (PFBS)	ND		-	0.257	1.81
307-55-1	Perfluorododecanoic acid (PFDoA)	ND			0.586	1.81
307-24-4	Perfluorohexanoic acid (PFHxA)	0.507	J		0.238	1.81
376-06-7	Perfluorotetradecanoic acid (PFTA)	ND			0.391	1.81
72629-94-8	Perfluorotridecanoic acid (PFTDA)	ND			0.460	1.81
2058-94-8	Perfluoroundecanoic acid (PFUnA)	ND			0.738	1.81
2991-50-6	N-ethyl perfluorooctanesulfonamidoacetic acid (NEtFOSAA)	ND			0.861	1.81
2355-31-9	N-methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)	ND			0.847	1.81
763051-92-9	11-chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)	ND			0.190	1.81
756426-58-1	9-chlorohexadecafluoro-3-oxanone-1-sulfonic acid (9Cl-PF3ONS)	ND			0.249	1.81
919005-14-4	4,8-dioxa-3H-perfluorononanoic acid (ADONA)	0.398	J		0.065	1.81
13252-13-6	Hexafluoropropylene oxide dimer acid (HFPO-DA)	ND			0.409	3.62

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PWS ID#:

2187000

Lab Sample ID#:

Primary Lab:

L2045492-04

Subcontracted Lab:

L2045492-04

[illegible]

Surrogate Name	% Recovery (70 – 130%)	Alternate Surrogate (must document reason for change)
¹³ C ₂ -PFHxA	82	
¹³ C ₂ -PFDA	88	
d ₅ -NETFOSAA	80	
¹³ C ₃ -HFPO-DA	74	

Note: $^{13}\text{C}_3\text{-HFPO-DA}$ is not required for EPA Method 537 v1.1

In addition to the SUR above you must attach the results of the ongoing QC results as specified by the method for the sample's extraction batch.

☒ Laboratory analytical report with QC attached (check one item below).

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☒ All associated sample and/or QC batch criteria not met. See Lab Analysis Comments below and narrative in attached report.

Lab Analysis Comments: (include sample/method parameters outside of or affecting QC controls/limits and result qualifiers)

Result Qualifier	Qualifier Description
J	The target analyte concentration is below the quantitation limit (RL), but above the Method Detection Limit.
Other Analysis Comments:	

* MCL or proposed MCL

I certify under penalties of law that I am the person authorized to fill out this form and the information contained herein is true, accurate and complete to the best extent of my knowledge.

Primary Lab Director Signature:

Joseph Watkins

Date:

11/12/20

If not submitting these results electronically, mail TWO copies of this report to your MassDEP Regional Office no later than 10 days after the end of the month in which you received this report or no later than 10 days after the end of the reporting period, whichever is sooner. Note that during the Massachusetts COVID-19 state of emergency, in addition to submitting by mail reports may be emailed to program.director-dwp@mass.gov.

MassDEP REVIEW STATUS (Initial & Date) <input type="checkbox"/> Accepted _____ <input type="checkbox"/> Disapproved _____	Review Comments	<input type="checkbox"/> WQTS Data Entered
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3 Walkup Drive
Westboro, MA 01581
Tel: 508-898-9220

320 Forbes Blvd
Mansfield, MA 02048
Tel: 508-822-9300

CHAIN OF CUSTODY

PAGE _____ OF _____

Date Rec'd in Lab: 10/21/20

ALPHA Job #: 2045942

Client Information

Client: Town of Millis
Address: 900 Main St
Millis MA 02054
Phone: 508 376 5424
Email: JMcKay@MillisMA.gov

Project Information

Project Name: Millis water
Project Location: Millis MA
Project #:
Project Manager: J McKay
ALPHA Quote #:

Turn-Around Time

☒ Standard ☐ RUSH (only confirmed if pre-approved)
Date Due:

Report Information - Data Deliverables

☐ ADEx ☒ EMAIL

Billing Information

☐ Same as Client info PO #:

Regulatory Requirements & Project Information Requirements

☐ Yes ☐ No MA MCP Analytical Methods ☐ Yes ☐ No CT RCP Analytical Methods
☐ Yes ☐ No Matrix Spike Required on this SDG? (Required for MCP Inorganics)
☐ Yes ☐ No GW1 Standards (Info Required for Metals & EPH with Targets)
☐ Yes ☐ No NPDES RGP
☐ Other State /Fed Program Criteria

Additional Project Information:

PFAS

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection		Sample Matrix	Sampler Initials	ANALYSIS	VOC: <input type="checkbox"/> 8260 <input type="checkbox"/> 824 <input type="checkbox"/> 524.2	SVOC: <input type="checkbox"/> ABN <input type="checkbox"/> PAH	METALS: <input type="checkbox"/> MCP 13 <input type="checkbox"/> MCP 14 <input type="checkbox"/> RCP 15	EPH: <input type="checkbox"/> RCRA5 <input type="checkbox"/> RCRA8	VPH: <input type="checkbox"/> Ranges & Targets <input type="checkbox"/> Ranges Only	PCB <input type="checkbox"/> PEST	TPH: <input type="checkbox"/> Quant Only <input type="checkbox"/> Fingerprint	SAMPLE INFO	Sample Comments	TOTAL # BOTTLES
		Date	Time													
05492-01	046 South End WTF	10/21/20	8:43 AM	DW	Rue										0.44 mg/l	
02	046 South End F/B	10/21/20	8:43 AM	DW	Rue										0.71 mg/l	
03	066 Paine WTF	10/21/20	9:12 AM	DW	Rue											
04	066 Paine F/B	10/21/20	9:12 AM	DW	Rue											

Container Type
P= Plastic
A= Amber glass
V= Vial
G= Glass
B= Bacteria cup
C= Cube
O= Other
E= Encore
D= BOD Bottle

Preservative

A= None
B= HCl
C= HNO₃
D= H₂SO₄
E= NaOH
F= MeOH
G= NaHSO₄
H= Na₂S₂O₃
I= Ascorbic Acid
J= NH₄Cl
K= Zn Acetate
O= Other

O = TRIZOL
A = NON

Container Type

Preservative

P P
O A

Relinquished By

Date/Time

Received By:

Date/Time

Rue 10/21/20 9:34 AM [Signature] 10/21/20 0834

All samples submitted are subject to Alpha's Terms and Conditions. See reverse side.

FORM NO: 01-01 (rev. 12-Mar-2012)