



Massachusetts Department of Environmental Protection - Drinking Water Program **PFAS**
Per- and Polyfluoroalkyl Substances (PFAS) Report

Page 1 of 24

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

PWS ID #: City / Town:
PWS Name: PWS Class: COM NTNC TNC

MassDEP Location (LOC) ID#	MassDEP Location Name	Sample Information		Date Collected	Collected By
10008	STATE FOREST 03G	<input type="checkbox"/> (M)ultiple <input checked="" type="checkbox"/> (S)ingle	<input type="checkbox"/> (R)aw <input checked="" type="checkbox"/> (F)inished	06/15/21	RW
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					

II. ANALYTICAL LABORATORY INFORMATION:

Primary Lab Cert. #: Primary Lab Name: Subcontracted? (Y/N)
Analysis Lab Cert. #: Analysis Lab Name:
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	06/17/21	06/18/21	1	Primary Lab:	L2132674-01
				Subcontracted Lab:	L2132674-01

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)	ND		20	0.620	1.86
335-67-1	Perfluorooctanoic Acid (PFOA)	ND			0.620	1.86
355-46-4	Perfluorohexane Sulfonic Acid (PFHxS)	ND			0.620	1.86
375-95-1	Perfluorononanoic Acid (PFNA)	ND			0.620	1.86
375-85-9	Perfluoroheptanoic Acid (PFHpA)	ND			0.620	1.86
335-76-2	Perfluorodecanoic acid (PFDA)	ND			0.620	1.86
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) =			--			
UNREGULATED PFAS CONTAMINANTS						
375-73-5	Perfluorobutane sulfonic acid (PFBS)	ND		20	0.620	1.86
307-55-1	Perfluorododecanoic acid (PFDoA)	ND			0.620	1.86
307-24-4	Perfluorohexanoic acid (PFHxA)	ND			0.620	1.86
376-06-7	Perfluorotetradecanoic acid (PFTA)	ND			0.620	1.86
72629-94-8	Perfluorotridecanoic acid (PFTTrDA)	ND			0.620	1.86
2058-94-8	Perfluoroundecanoic acid (PFUnA)	ND			0.620	1.86
2991-50-6	N-ethyl perfluorooctanesulfonamidoacetic acid (NEtFOSAA)	ND			0.620	1.86
2355-31-9	N-methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)	ND			0.620	1.86
763051-92-9	11-chloroeicosafuoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)	ND			0.620	1.86
756426-58-1	9-chlorohexadecafluoro-3-oxanone-1-sulfonic acid (9Cl-PF3ONS)	ND			0.620	1.86
919005-14-4	4,8-dioxa-3H-perfluorononanoic acid (ADONA)	ND			0.620	1.86
13252-13-6	Hexafluoropropylene oxide dimer acid (HFPO-DA)	ND			0.620	1.86

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.



Massachusetts Department of Environmental Protection - Drinking Water Program **PFAS**
Per- and Polyfluoroalkyl Substances (PFAS) Report

PWS ID#: 4197000

Lab Sample ID#:

Primary Lab:	L2132674-01
Subcontracted Lab:	L2132674-01

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	95	
¹³ C ₂ -PFDA	107	
d ₅ -NEtFOSAA	97	
¹³ C ₃ -HFPO-DA	106	

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: Joseph Wackans
Date: 7/2/2021

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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Massachusetts Department of Environmental Protection - Drinking Water Program **PFAS**
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 #: City / Town:
 PWS Name: PWS Class: COM NTNC TNC

MassDEP Location (LOC) ID#	MassDEP Location Name	Sample Information		Date Collected	Collected By
10009	N.PASTURE 04G	<input type="checkbox"/> (M)ultiple <input checked="" type="checkbox"/> (S)ingle	<input type="checkbox"/> (R)aw <input checked="" type="checkbox"/> (F)inished	06/15/21	RW
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					

II. ANALYTICAL LABORATORY INFORMATION:

Primary Lab Cert. #: Primary Lab Name: Subcontracted? (Y/N)
 Analysis Lab Cert. #: Analysis Lab Name:
 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	06/17/21	06/18/21	1	Primary Lab:	L2132674-02
				Subcontracted Lab:	L2132674-02

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		20	0.596	1.78
335-67-1	Perfluorooctanoic Acid (PFOA)	ND			0.596	1.78
355-46-4	Perfluorohexane Sulfonic Acid (PFHxS)	ND			0.596	1.78
375-95-1	Perfluorononanoic Acid (PFNA)	ND			0.596	1.78
375-85-9	Perfluoroheptanoic Acid (PFHpA)	ND			0.596	1.78
335-76-2	Perfluorodecanoic acid (PFDA)	ND			0.596	1.78
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) =			--			
UNREGULATED PFAS CONTAMINANTS						
375-73-5	Perfluorobutane sulfonic acid (PFBS)	0.856	J	20	0.596	1.78
307-55-1	Perfluorododecanoic acid (PFDoA)	ND			0.596	1.78
307-24-4	Perfluorohexanoic acid (PFHxA)	ND			0.596	1.78
376-06-7	Perfluorotetradecanoic acid (PFTA)	ND			0.596	1.78
72629-94-8	Perfluorotridecanoic acid (PFTTrDA)	ND			0.596	1.78
2058-94-8	Perfluoroundecanoic acid (PFUnA)	ND			0.596	1.78
2991-50-6	N-ethyl perfluorooctanesulfonamidoacetic acid (NEtFOSAA)	ND			0.596	1.78
2355-31-9	N-methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)	ND			0.596	1.78
763051-92-9	11-chloroeicosafuoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)	ND			0.596	1.78
756426-58-1	9-chlorohexadecafluoro-3-oxanone-1-sulfonic acid (9Cl-PF3ONS)	ND			0.596	1.78
919005-14-4	4,8-dioxa-3H-perfluorononanoic acid (ADONA)	ND			0.596	1.78
13252-13-6	Hexafluoropropylene oxide dimer acid (HFPO-DA)	ND			0.596	1.78

¹ A field reagent blank (FRB) must be analyzed and reported on a separate PFAS form if any PFAS are detected above the MRL.

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Per- and Polyfluoroalkyl Substances (PFAS) Report

PWS ID#: 4197000

Lab Sample ID#:

Primary Lab:	L2132674-02
Subcontracted Lab:	L2132674-02

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	98	
d ₅ -NEtFOSAA	92	
¹³ C ₃ -HFPO-DA	101	

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: Joseph Wackens
 Date: 7/2/2021

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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		



Massachusetts Department of Environmental Protection - Drinking Water Program **PFAS**
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 #: City / Town:
PWS Name: PWS Class: COM NTNC TNC

MassDEP Location (LOC) ID#	MassDEP Location Name	Sample Information		Date Collected	Collected By
10002	WELL#2 02G	<input type="checkbox"/> (M)ultiple <input checked="" type="checkbox"/> (S)ingle	<input type="checkbox"/> (R)aw <input checked="" type="checkbox"/> (F)inished	06/15/21	RW
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					

II. ANALYTICAL LABORATORY INFORMATION:

Primary Lab Cert. #: Primary Lab Name: Subcontracted? (Y/N)
Analysis Lab Cert. #: Analysis Lab Name:
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	06/17/21	06/18/21	1	Primary Lab:	L2132674-03
				Subcontracted Lab:	L2132674-03

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)	ND		20	0.598	1.79
335-67-1	Perfluorooctanoic Acid (PFOA)	ND			0.598	1.79
355-46-4	Perfluorohexane Sulfonic Acid (PFHxS)	ND			0.598	1.79
375-95-1	Perfluorononanoic Acid (PFNA)	ND			0.598	1.79
375-85-9	Perfluoroheptanoic Acid (PFHpA)	ND			0.598	1.79
335-76-2	Perfluorodecanoic acid (PFDA)	ND			0.598	1.79
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) =			--			
UNREGULATED PFAS CONTAMINANTS						
375-73-5	Perfluorobutane sulfonic acid (PFBS)	ND		20	0.598	1.79
307-55-1	Perfluorododecanoic acid (PFDoA)	ND			0.598	1.79
307-24-4	Perfluorohexanoic acid (PFHxA)	ND			0.598	1.79
376-06-7	Perfluorotetradecanoic acid (PFTA)	ND			0.598	1.79
72629-94-8	Perfluorotridecanoic acid (PFTTrDA)	ND			0.598	1.79
2058-94-8	Perfluoroundecanoic acid (PFUnA)	ND			0.598	1.79
2991-50-6	N-ethyl perfluorooctanesulfonamidoacetic acid (NEtFOSAA)	ND			0.598	1.79
2355-31-9	N-methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)	ND			0.598	1.79
763051-92-9	11-chloroeicosafuoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)	ND			0.598	1.79
756426-58-1	9-chlorohexadecafluoro-3-oxanone-1-sulfonic acid (9Cl-PF3ONS)	ND			0.598	1.79
919005-14-4	4,8-dioxa-3H-perfluorononanoic acid (ADONA)	ND			0.598	1.79
13252-13-6	Hexafluoropropylene oxide dimer acid (HFPO-DA)	ND			0.598	1.79

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Massachusetts Department of Environmental Protection - Drinking Water Program **PFAS**
Per- and Polyfluoroalkyl Substances (PFAS) Report

PWS ID#: 4197000

Lab Sample ID#: Primary Lab: L2132674-03
 Subcontracted Lab: L2132674-03

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	100	
¹³ C ₂ -PFDA	103	
d ₅ -NEtFOSAA	91	
¹³ C ₃ -HFPO-DA	108	

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: Joseph Wackans

Date: 7/2/2021

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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		



Massachusetts Department of Environmental Protection - Drinking Water Program **PFAS**
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 #: **4197000** City / Town: **NANTUCKET**
 PWS Name: **WANNACOMET WATER COMPANY** PWS Class: **COM** **NTNC** **TNC**

MassDEP Location (LOC) ID#	MassDEP Location Name	Sample Information		Date Collected	Collected By
10010	WELLS 02G, 05G, 06G	<input checked="" type="checkbox"/> (M)ultiple <input type="checkbox"/> (S)ingle	<input type="checkbox"/> (R)aw <input checked="" type="checkbox"/> (F)inished	06/15/21	RW
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					

II. ANALYTICAL LABORATORY INFORMATION:

Primary Lab Cert. #: **M-MA086** Primary Lab Name: **Alpha Analytical Labs** Subcontracted? (Y/N) **Y**
 Analysis Lab Cert. #: **M-MA030** Analysis Lab Name: **Alpha Analytical Labs**
 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	06/17/21	06/18/21	1	Primary Lab:	L2132674-04
				Subcontracted Lab:	L2132674-04

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)	ND		20	0.599	1.79
335-67-1	Perfluorooctanoic Acid (PFOA)	ND			0.599	1.79
355-46-4	Perfluorohexane Sulfonic Acid (PFHxS)	ND			0.599	1.79
375-95-1	Perfluorononanoic Acid (PFNA)	ND			0.599	1.79
375-85-9	Perfluoroheptanoic Acid (PFHpA)	0.610	J		0.599	1.79
335-76-2	Perfluorodecanoic acid (PFDA)	ND			0.599	1.79
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) =			--			
UNREGULATED PFAS CONTAMINANTS						
375-73-5	Perfluorobutane sulfonic acid (PFBS)	ND		20	0.599	1.79
307-55-1	Perfluorododecanoic acid (PFDoA)	ND			0.599	1.79
307-24-4	Perfluorohexanoic acid (PFHxA)	0.646	J		0.599	1.79
376-06-7	Perfluorotetradecanoic acid (PFTA)	ND			0.599	1.79
72629-94-8	Perfluorotridecanoic acid (PFTTrDA)	ND			0.599	1.79
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2991-50-6	N-ethyl perfluorooctanesulfonamidoacetic acid (NEtFOSAA)	ND			0.599	1.79
2355-31-9	N-methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)	ND			0.599	1.79
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PWS ID#: 4197000

Lab Sample ID#:

Primary Lab:	L2132674-04
Subcontracted Lab:	L2132674-04

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	101	
¹³ C ₂ -PFDA	112	
d ₅ -NEtFOSAA	94	
¹³ C ₃ -HFPO-DA	111	

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

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Result Qualifier	Qualifier Description
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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 Wackans

Date: 7/2/2021

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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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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 #: **4197000** City / Town: **NANTUCKET**
 PWS Name: **WANNACOMET WATER COMPANY** PWS Class: **COM** **NTNC** **TNC**

MassDEP Location (LOC) ID#	MassDEP Location Name	Sample Information		Date Collected	Collected By
	WELL 06G	<input type="checkbox"/> (M)ultiple <input checked="" type="checkbox"/> (S)ingle	<input type="checkbox"/> (R)aw <input checked="" type="checkbox"/> (F)inished	06/15/21	RW
Routine or Special Sample	Original, Resubmitted or Confirmation Report	If Resubmitted Report, list below:			
<input checked="" type="checkbox"/> RS <input type="checkbox"/> SS	<input checked="" type="checkbox"/> Original <input type="checkbox"/> Resubmitted <input type="checkbox"/> Confirmation	(1) Reason for Resubmission	(2) Collection Date of Original Sample		
	<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					

II. ANALYTICAL LABORATORY INFORMATION:

Primary Lab Cert. #: **M-MA086** Primary Lab Name: **Alpha Analytical Labs** Subcontracted? (Y/N) **Y**
 Analysis Lab Cert. #: **M-MA030** Analysis Lab Name: **Alpha Analytical Labs**
 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	06/17/21	06/18/21	1	Primary Lab:	L2132674-05
				Subcontracted Lab:	L2132674-05

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		20	0.611	1.83
335-67-1	Perfluorooctanoic Acid (PFOA)	ND			0.611	1.83
355-46-4	Perfluorohexane Sulfonic Acid (PFHxS)	ND			0.611	1.83
375-95-1	Perfluorononanoic Acid (PFNA)	ND			0.611	1.83
375-85-9	Perfluoroheptanoic Acid (PFHpA)	1.43	J		0.611	1.83
335-76-2	Perfluorodecanoic acid (PFDA)	ND			0.611	1.83
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) =			--			
UNREGULATED PFAS CONTAMINANTS						
375-73-5	Perfluorobutane sulfonic acid (PFBS)	ND		20	0.611	1.83
307-55-1	Perfluorododecanoic acid (PFDoA)	ND			0.611	1.83
307-24-4	Perfluorohexanoic acid (PFHxA)	1.57	J		0.611	1.83
376-06-7	Perfluorotetradecanoic acid (PFTA)	ND			0.611	1.83
72629-94-8	Perfluorotridecanoic acid (PFTTrDA)	ND			0.611	1.83
2058-94-8	Perfluoroundecanoic acid (PFUnA)	ND			0.611	1.83
2991-50-6	N-ethyl perfluorooctanesulfonamidoacetic acid (NEtFOSAA)	ND			0.611	1.83
2355-31-9	N-methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)	ND			0.611	1.83
763051-92-9	11-chloroeicosafuoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)	ND			0.611	1.83
756426-58-1	9-chlorohexadecafluoro-3-oxanone-1-sulfonic acid (9Cl-PF3ONS)	ND			0.611	1.83
919005-14-4	4,8-dioxa-3H-perfluorononanoic acid (ADONA)	ND			0.611	1.83
13252-13-6	Hexafluoropropylene oxide dimer acid (HFPO-DA)	ND			0.611	1.83

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.



Massachusetts Department of Environmental Protection - Drinking Water Program **PFAS**
Per- and Polyfluoroalkyl Substances (PFAS) Report

Page 10 of 24

PWS ID#: 4197000

Lab Sample ID#:	Primary Lab: L2132674-05
	Subcontracted Lab: L2132674-05

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	91	
¹³ C ₂ -PFDA	98	
d ₅ -NEtFOSAA	96	
¹³ C ₃ -HFPO-DA	101	

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: Joseph Wackans
Date: 7/2/2021

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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Massachusetts Department of Environmental Protection - Drinking Water Program **PFAS**
Per- and Polyfluoroalkyl Substances (PFAS) Report

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

PWS ID #: **4197000** City / Town: **NANTUCKET**
 PWS Name: **WANNACOMET WATER COMPANY** PWS Class: **COM** **NTNC** **TNC**

MassDEP Location (LOC) ID#	MassDEP Location Name	Sample Information		Date Collected	Collected By
	WELL 05G	<input type="checkbox"/> (M)ultiple <input checked="" type="checkbox"/> (S)ingle	<input type="checkbox"/> (R)aw <input checked="" type="checkbox"/> (F)inished	06/15/21	RW
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					

II. ANALYTICAL LABORATORY INFORMATION:

Primary Lab Cert. #: **M-MA086** Primary Lab Name: **Alpha Analytical Labs** Subcontracted? (Y/N) **Y**
 Analysis Lab Cert. #: **M-MA030** Analysis Lab Name: **Alpha Analytical Labs**
 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	06/17/21	06/18/21	1	Primary Lab:	L2132674-06
				Subcontracted Lab:	L2132674-06

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)	4.93		20	0.614	1.84
335-67-1	Perfluorooctanoic Acid (PFOA)	3.42			0.614	1.84
355-46-4	Perfluorohexane Sulfonic Acid (PFHxS)	5.41			0.614	1.84
375-95-1	Perfluorononanoic Acid (PFNA)	ND			0.614	1.84
375-85-9	Perfluoroheptanoic Acid (PFHpA)	1.07	J		0.614	1.84
335-76-2	Perfluorodecanoic acid (PFDA)	ND			0.614	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) =		13.8	--			
UNREGULATED PFAS CONTAMINANTS						
375-73-5	Perfluorobutane sulfonic acid (PFBS)	4.34		20	0.614	1.84
307-55-1	Perfluorododecanoic acid (PFDoA)	ND			0.614	1.84
307-24-4	Perfluorohexanoic acid (PFHxA)	0.846	J		0.614	1.84
376-06-7	Perfluorotetradecanoic acid (PFTA)	ND			0.614	1.84
72629-94-8	Perfluorotridecanoic acid (PFTTrDA)	ND			0.614	1.84
2058-94-8	Perfluoroundecanoic acid (PFUnA)	ND			0.614	1.84
2991-50-6	N-ethyl perfluorooctanesulfonamidoacetic acid (NEtFOSAA)	ND			0.614	1.84
2355-31-9	N-methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)	ND			0.614	1.84
763051-92-9	11-chloroeicosafuoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)	ND			0.614	1.84
756426-58-1	9-chlorohexadecafluoro-3-oxanone-1-sulfonic acid (9Cl-PF3ONS)	ND			0.614	1.84
919005-14-4	4,8-dioxa-3H-perfluorononanoic acid (ADONA)	ND			0.614	1.84
13252-13-6	Hexafluoropropylene oxide dimer acid (HFPO-DA)	ND			0.614	1.84

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.



Massachusetts Department of Environmental Protection - Drinking Water Program **PFAS**
Per- and Polyfluoroalkyl Substances (PFAS) Report

PWS ID#: 4197000

Lab Sample ID#:

Primary Lab:	L2132674-06
Subcontracted Lab:	L2132674-06

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	105	
¹³ C ₂ -PFDA	108	
d ₅ -NEtFOSAA	101	
¹³ C ₃ -HFPO-DA	117	

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: Joseph Wackans

Date: 7/2/2021

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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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Massachusetts Department of Environmental Protection - Drinking Water Program **PFAS**
Per- and Polyfluoroalkyl Substances (PFAS) Report

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

PWS ID #: City / Town:
PWS Name: PWS Class: COM NTNC TNC

MassDEP Location (LOC) ID#	MassDEP Location Name	Sample Information		Date Collected	Collected By
10008	STATE FOREST 03G FB	<input type="checkbox"/> (M)ultiple <input checked="" type="checkbox"/> (S)ingle	<input type="checkbox"/> (R)aw <input checked="" type="checkbox"/> (F)inished	06/15/21	RW
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					

II. ANALYTICAL LABORATORY INFORMATION:

Primary Lab Cert. #: Primary Lab Name: Subcontracted? (Y/N)
Analysis Lab Cert. #: Analysis Lab Name:
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	06/17/21	06/18/21	1	Primary Lab:	L2132674-07
				Subcontracted Lab:	L2132674-07

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		20	0.622	1.86
335-67-1	Perfluorooctanoic Acid (PFOA)	ND			0.622	1.86
355-46-4	Perfluorohexane Sulfonic Acid (PFHxS)	ND			0.622	1.86
375-95-1	Perfluorononanoic Acid (PFNA)	ND			0.622	1.86
375-85-9	Perfluoroheptanoic Acid (PFHpA)	ND			0.622	1.86
335-76-2	Perfluorodecanoic acid (PFDA)	ND			0.622	1.86
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) =			--			
UNREGULATED PFAS CONTAMINANTS						
375-73-5	Perfluorobutane sulfonic acid (PFBS)	ND		20	0.622	1.86
307-55-1	Perfluorododecanoic acid (PFDoA)	ND			0.622	1.86
307-24-4	Perfluorohexanoic acid (PFHxA)	ND			0.622	1.86
376-06-7	Perfluorotetradecanoic acid (PFTA)	ND			0.622	1.86
72629-94-8	Perfluorotridecanoic acid (PFTTrDA)	ND			0.622	1.86
2058-94-8	Perfluoroundecanoic acid (PFUnA)	ND			0.622	1.86
2991-50-6	N-ethyl perfluorooctanesulfonamidoacetic acid (NEtFOSAA)	ND			0.622	1.86
2355-31-9	N-methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)	ND			0.622	1.86
763051-92-9	11-chloroeicosafuoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)	ND			0.622	1.86
756426-58-1	9-chlorohexadecafluoro-3-oxanone-1-sulfonic acid (9Cl-PF3ONS)	ND			0.622	1.86
919005-14-4	4,8-dioxa-3H-perfluorononanoic acid (ADONA)	ND			0.622	1.86
13252-13-6	Hexafluoropropylene oxide dimer acid (HFPO-DA)	ND			0.622	1.86

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.



Massachusetts Department of Environmental Protection - Drinking Water Program **PFAS**
Per- and Polyfluoroalkyl Substances (PFAS) Report

PWS ID#: 4197000

Lab Sample ID#:

Primary Lab:	L2132674-07
Subcontracted Lab:	L2132674-07

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	104	
¹³ C ₂ -PFDA	105	
d ₅ -NEtFOSAA	98	
¹³ C ₃ -HFPO-DA	117	

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: Joseph Wackans
Date: 7/2/2021

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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Massachusetts Department of Environmental Protection - Drinking Water Program **PFAS**
Per- and Polyfluoroalkyl Substances (PFAS) Report

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

PWS ID #: **4197000** City / Town: **NANTUCKET**
 PWS Name: **WANNACOMET WATER COMPANY** PWS Class: **COM** **NTNC** **TNC**

MassDEP Location (LOC) ID#	MassDEP Location Name	Sample Information		Date Collected	Collected By
10009	N.PASTURE 04G FB	<input type="checkbox"/> (M)ultiple <input checked="" type="checkbox"/> (S)ingle	<input type="checkbox"/> (R)aw <input checked="" type="checkbox"/> (F)inished	06/15/21	RW
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					

II. ANALYTICAL LABORATORY INFORMATION:

Primary Lab Cert. #: **M-MA086** Primary Lab Name: **Alpha Analytical Labs** Subcontracted? (Y/N) **Y**
 Analysis Lab Cert. #: **M-MA030** Analysis Lab Name: **Alpha Analytical Labs**
 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	06/17/21	06/18/21	1	Primary Lab:	L2132674-08
				Subcontracted Lab:	L2132674-08

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		20	0.600	1.80
335-67-1	Perfluorooctanoic Acid (PFOA)	ND			0.600	1.80
355-46-4	Perfluorohexane Sulfonic Acid (PFHxS)	ND			0.600	1.80
375-95-1	Perfluorononanoic Acid (PFNA)	ND			0.600	1.80
375-85-9	Perfluoroheptanoic Acid (PFHpA)	ND			0.600	1.80
335-76-2	Perfluorodecanoic acid (PFDA)	ND			0.600	1.80
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) =			--			
UNREGULATED PFAS CONTAMINANTS						
375-73-5	Perfluorobutane sulfonic acid (PFBS)	ND		20	0.600	1.80
307-55-1	Perfluorododecanoic acid (PFDoA)	ND			0.600	1.80
307-24-4	Perfluorohexanoic acid (PFHxA)	ND			0.600	1.80
376-06-7	Perfluorotetradecanoic acid (PFTA)	ND			0.600	1.80
72629-94-8	Perfluorotridecanoic acid (PFTTrDA)	ND			0.600	1.80
2058-94-8	Perfluoroundecanoic acid (PFUnA)	ND			0.600	1.80
2991-50-6	N-ethyl perfluorooctanesulfonamidoacetic acid (NEtFOSAA)	ND			0.600	1.80
2355-31-9	N-methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)	ND			0.600	1.80
763051-92-9	11-chloroeicosafuoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)	ND			0.600	1.80
756426-58-1	9-chlorohexadecafluoro-3-oxanone-1-sulfonic acid (9Cl-PF3ONS)	ND			0.600	1.80
919005-14-4	4,8-dioxa-3H-perfluorononanoic acid (ADONA)	ND			0.600	1.80
13252-13-6	Hexafluoropropylene oxide dimer acid (HFPO-DA)	ND			0.600	1.80

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.



Massachusetts Department of Environmental Protection - Drinking Water Program **PFAS**
Per- and Polyfluoroalkyl Substances (PFAS) Report

PWS ID#: 4197000

Lab Sample ID#:

Primary Lab:	L2132674-08
Subcontracted Lab:	L2132674-08

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	104	
¹³ C ₂ -PFDA	101	
d ₅ -NEtFOSAA	103	
¹³ C ₃ -HFPO-DA	108	

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: _____ *Joseph Wackans*

Date: _____ 7/2/2021

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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Massachusetts Department of Environmental Protection - Drinking Water Program **PFAS**
Per- and Polyfluoroalkyl Substances (PFAS) Report

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

PWS ID #: City / Town:
 PWS Name: PWS Class: COM NTNC TNC

MassDEP Location (LOC) ID#	MassDEP Location Name	Sample Information		Date Collected	Collected By
10002	WELL#2 02G FB	<input type="checkbox"/> (M)ultiple <input checked="" type="checkbox"/> (S)ingle	<input type="checkbox"/> (R)aw <input checked="" type="checkbox"/> (F)inished	06/15/21	RW
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					

II. ANALYTICAL LABORATORY INFORMATION:

Primary Lab Cert. #: Primary Lab Name: Subcontracted? (Y/N)
 Analysis Lab Cert. #: Analysis Lab Name:
 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	06/17/21	06/18/21	1	Primary Lab:	L2132674-09
				Subcontracted Lab:	L2132674-09

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		20	0.643	1.92
335-67-1	Perfluorooctanoic Acid (PFOA)	ND			0.643	1.92
355-46-4	Perfluorohexane Sulfonic Acid (PFHxS)	ND			0.643	1.92
375-95-1	Perfluorononanoic Acid (PFNA)	ND			0.643	1.92
375-85-9	Perfluoroheptanoic Acid (PFHpA)	ND			0.643	1.92
335-76-2	Perfluorodecanoic acid (PFDA)	ND			0.643	1.92
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) =			--			
UNREGULATED PFAS CONTAMINANTS						
375-73-5	Perfluorobutane sulfonic acid (PFBS)	ND		20	0.643	1.92
307-55-1	Perfluorododecanoic acid (PFDoA)	ND			0.643	1.92
307-24-4	Perfluorohexanoic acid (PFHxA)	ND			0.643	1.92
376-06-7	Perfluorotetradecanoic acid (PFTA)	ND			0.643	1.92
72629-94-8	Perfluorotridecanoic acid (PFTTrDA)	ND			0.643	1.92
2058-94-8	Perfluoroundecanoic acid (PFUnA)	ND			0.643	1.92
2991-50-6	N-ethyl perfluorooctanesulfonamidoacetic acid (NEtFOSAA)	ND			0.643	1.92
2355-31-9	N-methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)	ND			0.643	1.92
763051-92-9	11-chloroeicosafuoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)	ND			0.643	1.92
756426-58-1	9-chlorohexadecafluoro-3-oxanone-1-sulfonic acid (9Cl-PF3ONS)	ND			0.643	1.92
919005-14-4	4,8-dioxa-3H-perfluorononanoic acid (ADONA)	ND			0.643	1.92
13252-13-6	Hexafluoropropylene oxide dimer acid (HFPO-DA)	ND			0.643	1.92

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.



Massachusetts Department of Environmental Protection - Drinking Water Program **PFAS**
Per- and Polyfluoroalkyl Substances (PFAS) Report

PWS ID#: 4197000

Lab Sample ID#:

Primary Lab:	L2132674-09
Subcontracted Lab:	L2132674-09

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	100	
¹³ C ₂ -PFDA	106	
d ₅ -NEtFOSAA	95	
¹³ C ₃ -HFPO-DA	112	

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 (LFSD/LFSDM 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: Joseph Wackans
Date: 7/2/2021

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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Massachusetts Department of Environmental Protection - Drinking Water Program **PFAS**
Per- and Polyfluoroalkyl Substances (PFAS) Report

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

PWS ID #: **4197000** City / Town: **NANTUCKET**
PWS Name: **WANNACOMET WATER COMPANY** PWS Class: **COM** **NTNC** **TNC**

MassDEP Location (LOC) ID#	MassDEP Location Name	Sample Information		Date Collected	Collected By
10010	WELLS 02G, 05G, 06G FB	<input checked="" type="checkbox"/> (M)ultiple <input type="checkbox"/> (S)ingle	<input type="checkbox"/> (R)aw <input checked="" type="checkbox"/> (F)inished	06/15/21	RW
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					

II. ANALYTICAL LABORATORY INFORMATION:

Primary Lab Cert. #: **M-MA086** Primary Lab Name: **Alpha Analytical Labs** Subcontracted? (Y/N) **Y**
Analysis Lab Cert. #: **M-MA030** Analysis Lab Name: **Alpha Analytical Labs**
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	06/17/21	06/18/21	1	Primary Lab:	L2132674-10
				Subcontracted Lab:	L2132674-10

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		20	0.616	1.84
335-67-1	Perfluorooctanoic Acid (PFOA)	ND			0.616	1.84
355-46-4	Perfluorohexane Sulfonic Acid (PFHxS)	ND			0.616	1.84
375-95-1	Perfluorononanoic Acid (PFNA)	ND			0.616	1.84
375-85-9	Perfluoroheptanoic Acid (PFHpA)	ND			0.616	1.84
335-76-2	Perfluorodecanoic acid (PFDA)	ND			0.616	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) =			--			
UNREGULATED PFAS CONTAMINANTS						
375-73-5	Perfluorobutane sulfonic acid (PFBS)	ND		20	0.616	1.84
307-55-1	Perfluorododecanoic acid (PFDoA)	ND			0.616	1.84
307-24-4	Perfluorohexanoic acid (PFHxA)	ND			0.616	1.84
376-06-7	Perfluorotetradecanoic acid (PFTA)	ND			0.616	1.84
72629-94-8	Perfluorotridecanoic acid (PFTTrDA)	ND			0.616	1.84
2058-94-8	Perfluoroundecanoic acid (PFUnA)	ND			0.616	1.84
2991-50-6	N-ethyl perfluorooctanesulfonamidoacetic acid (NEtFOSAA)	1.18	J		0.616	1.84
2355-31-9	N-methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)	0.664	J		0.616	1.84
763051-92-9	11-chloroeicosafuoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)	ND			0.616	1.84
756426-58-1	9-chlorohexadecafluoro-3-oxanone-1-sulfonic acid (9Cl-PF3ONS)	ND			0.616	1.84
919005-14-4	4,8-dioxa-3H-perfluorononanoic acid (ADONA)	ND			0.616	1.84
13252-13-6	Hexafluoropropylene oxide dimer acid (HFPO-DA)	ND			0.616	1.84

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.



Massachusetts Department of Environmental Protection - Drinking Water Program **PFAS**
Per- and Polyfluoroalkyl Substances (PFAS) Report

PWS ID#: 4197000

Lab Sample ID#: Primary Lab: L2132674-10
 Subcontracted Lab: L2132674-10

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	103	
¹³ C ₂ -PFDA	101	
d ₅ -NEtFOSAA	99	
¹³ C ₃ -HFPO-DA	108	

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: Joseph Wackens

Date: 7/2/2021

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		



Massachusetts Department of Environmental Protection - Drinking Water Program **PFAS**
Per- and Polyfluoroalkyl Substances (PFAS) Report

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

PWS ID #: **4197000** City / Town: **NANTUCKET**
 PWS Name: **WANNACOMET WATER COMPANY** PWS Class: **COM** **NTNC** **TNC**

MassDEP Location (LOC) ID#	MassDEP Location Name	Sample Information		Date Collected	Collected By
	WELL 06G	<input type="checkbox"/> (M)ultiple <input checked="" type="checkbox"/> (S)ingle	<input type="checkbox"/> (R)aw <input checked="" type="checkbox"/> (F)inished	06/15/21	RW
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					

II. ANALYTICAL LABORATORY INFORMATION:

Primary Lab Cert. #: **M-MA086** Primary Lab Name: **Alpha Analytical Labs** Subcontracted? (Y/N) **Y**
 Analysis Lab Cert. #: **M-MA030** Analysis Lab Name: **Alpha Analytical Labs**
 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	06/17/21	06/18/21	1	Primary Lab:	L2132674-11
				Subcontracted Lab:	L2132674-11

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		20	0.620	1.86
335-67-1	Perfluorooctanoic Acid (PFOA)	ND			0.620	1.86
355-46-4	Perfluorohexane Sulfonic Acid (PFHxS)	ND			0.620	1.86
375-95-1	Perfluorononanoic Acid (PFNA)	ND			0.620	1.86
375-85-9	Perfluoroheptanoic Acid (PFHpA)	ND			0.620	1.86
335-76-2	Perfluorodecanoic acid (PFDA)	ND			0.620	1.86
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) =			--			
UNREGULATED PFAS CONTAMINANTS						
375-73-5	Perfluorobutane sulfonic acid (PFBS)	ND		20	0.620	1.86
307-55-1	Perfluorododecanoic acid (PFDoA)	ND			0.620	1.86
307-24-4	Perfluorohexanoic acid (PFHxA)	ND			0.620	1.86
376-06-7	Perfluorotetradecanoic acid (PFTA)	ND			0.620	1.86
72629-94-8	Perfluorotridecanoic acid (PFTTrDA)	ND			0.620	1.86
2058-94-8	Perfluoroundecanoic acid (PFUnA)	ND			0.620	1.86
2991-50-6	N-ethyl perfluorooctanesulfonamidoacetic acid (NEtFOSAA)	ND			0.620	1.86
2355-31-9	N-methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)	ND			0.620	1.86
763051-92-9	11-chloroeicosafuoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)	ND			0.620	1.86
756426-58-1	9-chlorohexadecafluoro-3-oxanone-1-sulfonic acid (9Cl-PF3ONS)	ND			0.620	1.86
919005-14-4	4,8-dioxa-3H-perfluorononanoic acid (ADONA)	ND			0.620	1.86
13252-13-6	Hexafluoropropylene oxide dimer acid (HFPO-DA)	ND			0.620	1.86

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.



Massachusetts Department of Environmental Protection - Drinking Water Program **PFAS**
Per- and Polyfluoroalkyl Substances (PFAS) Report

PWS ID#: 4197000

Lab Sample ID#:

Primary Lab:	L2132674-11
Subcontracted Lab:	L2132674-11

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	98	
¹³ C ₂ -PFDA	105	
d ₅ -NEtFOSAA	111	
¹³ C ₃ -HFPO-DA	107	

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: Joseph Wackens
Date: 7/2/2021

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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Massachusetts Department of Environmental Protection - Drinking Water Program **PFAS**
Per- and Polyfluoroalkyl Substances (PFAS) Report

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

PWS ID #: **4197000** City / Town: **NANTUCKET**
 PWS Name: **WANNACOMET WATER COMPANY** PWS Class: **COM** **NTNC** **TNC**

MassDEP Location (LOC) ID#	MassDEP Location Name	Sample Information		Date Collected	Collected By
	WELL 05G FB	<input type="checkbox"/> (M)ultiple <input checked="" type="checkbox"/> (S)ingle	<input type="checkbox"/> (R)aw <input checked="" type="checkbox"/> (F)inished	06/15/21	RW
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					

II. ANALYTICAL LABORATORY INFORMATION:

Primary Lab Cert. #: **M-MA086** Primary Lab Name: **Alpha Analytical Labs** Subcontracted? (Y/N) **Y**
 Analysis Lab Cert. #: **M-MA030** Analysis Lab Name: **Alpha Analytical Labs**
 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	06/17/21	06/18/21	1	Primary Lab:	L2132674-12
				Subcontracted Lab:	L2132674-12

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		20	0.629	1.88
335-67-1	Perfluorooctanoic Acid (PFOA)	ND			0.629	1.88
355-46-4	Perfluorohexane Sulfonic Acid (PFHxS)	ND			0.629	1.88
375-95-1	Perfluorononanoic Acid (PFNA)	ND			0.629	1.88
375-85-9	Perfluoroheptanoic Acid (PFHpA)	ND			0.629	1.88
335-76-2	Perfluorodecanoic acid (PFDA)	ND			0.629	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) =			--			
UNREGULATED PFAS CONTAMINANTS						
375-73-5	Perfluorobutane sulfonic acid (PFBS)	ND		20	0.629	1.88
307-55-1	Perfluorododecanoic acid (PFDoA)	ND			0.629	1.88
307-24-4	Perfluorohexanoic acid (PFHxA)	ND			0.629	1.88
376-06-7	Perfluorotetradecanoic acid (PFTA)	ND			0.629	1.88
72629-94-8	Perfluorotridecanoic acid (PFTTrDA)	ND			0.629	1.88
2058-94-8	Perfluoroundecanoic acid (PFUnA)	ND			0.629	1.88
2991-50-6	N-ethyl perfluorooctanesulfonamidoacetic acid (NEtFOSAA)	ND			0.629	1.88
2355-31-9	N-methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)	ND			0.629	1.88
763051-92-9	11-chloroeicosafuoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)	ND			0.629	1.88
756426-58-1	9-chlorohexadecafluoro-3-oxanone-1-sulfonic acid (9Cl-PF3ONS)	ND			0.629	1.88
919005-14-4	4,8-dioxa-3H-perfluorononanoic acid (ADONA)	ND			0.629	1.88
13252-13-6	Hexafluoropropylene oxide dimer acid (HFPO-DA)	ND			0.629	1.88

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

PWS ID#: 4197000

Lab Sample ID#: Primary Lab: L2132674-12
Subcontracted Lab: L2132674-12

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	102	
¹³ C ₂ -PFDA	105	
d ₅ -NEtFOSAA	101	
¹³ C ₃ -HFPO-DA	112	

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: Joseph W. Wickens
Date: 7/2/2021

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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		