



Massachusetts Department of Environmental Protection - Drinking Water Program **PFAS**
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 #:	2316000	City / Town:	WEBSTER	
PWS Name:	Webster 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	
03 G	STATION 3: BIGELOW RD. (FINISHED)	<input type="checkbox"/> (M)ultiple <input checked="" type="checkbox"/> (S)ingle	<input type="checkbox"/> (R)aw <input checked="" type="checkbox"/> (F)inished	06-APR-21 08:05
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 type="checkbox"/> RS <input checked="" 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-SC012	Primary Lab Name:	GEL Laboratories LLC	Subcontracted? (Y/N)	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#		
EPA 537.1	08-APR-21 10:27	09-APR-21 18:43	1	Primary Lab:	539951001	
				Subcontracted Lab:		

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)	6.08			0.601	1.82
335-67-1	Perfluorooctanoic Acid (PFOA)	6.23			0.601	1.82
355-46-4	Perfluorohexane Sulfonic Acid (PFHxS)	1.37	J		0.546	1.66
375-95-1	Perfluorononanoic Acid (PFNA)	ND			0.601	1.82
375-85-9	Perfluoroheptanoic Acid (PFHpA)	2.89			0.601	1.82
335-76-2	Perfluorodecanoic acid (PFDA)	ND			0.601	1.82
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)				= 15.2	--	20
UNREGULATED PFAS CONTAMINANTS						
375-73-5	Perfluorobutane sulfonic acid (PFBS)	1.7			0.528	1.62
307-55-1	Perfluorododecanoic acid (PFDoA)	ND			0.601	1.82
307-24-4	Perfluorohexanoic acid (PFHxA)	3.35			0.601	1.82
376-06-7	Perfluorotetradecanoic acid (PFTA)	ND			0.601	1.82
72629-94-8	Perfluorotridecanoic acid (PFTrDA)	ND			0.601	1.82
2058-94-8	Perfluoroundecanoic acid (PFUnA)	ND			0.601	1.82
2991-50-6	N-ethyl perfluorooctanesulfonamidoacetic acid (NEtFOSAA)	ND			1.2	3.64
2355-31-9	N-methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)	ND			1.2	3.64
763051-92-9	11-chloroeicosfluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)	ND			0.91	3.64
756426-58-1	9-chlorohexadecafluoro-3-oxanone-1-sulfonic acid (9Cl-PF3ONS)	ND			1.2	3.64
919005-14-4	4,8-dioxa-3H-perfluorononanoic acid (ADONA)	ND			0.601	1.82
13252-13-6	Hexafluoropropylene oxide dimer acid (HFPO-DA)	ND			0.601	1.82

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

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Per- and Polyfluoroalkyl Substances (PFAS) Report

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PWS ID#: 2316000

Lab Sample ID#:

Primary Lab: GEL Laboratories LLC

Subcontracted Lab:

Surrogate Name	% Recovery (70 – 130%)	Alternate Surrogate (must document reason for change)
¹³ C ₂ -PFHxA	95	
¹³ C ₂ -PFDA	94	
ds-NEtFOSAA	105	
¹³ C ₃ -HFPO-DA	98	

Note: $^{13}\text{C}_3$ -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	Value is estimated
U	Analyte was analyzed for, but not detected above the MDL, MDA, MDC or LOD.
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:

Meredith Bouldiford

Date: 4/21/2021

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		



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PWS Name:	Webster 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	
RW-03G	STATION 3: WELL #3 Bigelow Rd	<input type="checkbox"/> (M)ultiple <input checked="" type="checkbox"/> (S)ingle	<input type="checkbox"/> (R)aw <input checked="" type="checkbox"/> (F)inished	06-APR-21 08:00	G. Woods
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 type="checkbox"/> RS <input checked="" 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-SC012	Primary Lab Name:	GEL Laboratories LLC	Subcontracted? (Y/N)	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#		
EPA 537.1	08-APR-21 10:27	09-APR-21 19:34	1	Primary Lab:	539951003	
				Subcontracted Lab:		

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)	5.8			0.583	1.77
335-67-1	Perfluorooctanoic Acid (PFOA)	5.92			0.583	1.77
355-46-4	Perfluorohexane Sulfonic Acid (PFHxS)	1.5	J		0.53	1.61
375-95-1	Perfluorononanoic Acid (PFNA)	ND			0.583	1.77
375-85-9	Perfluoroheptanoic Acid (PFHpA)	2.91			0.583	1.77
335-76-2	Perfluorodecanoic acid (PFDA)	ND			0.583	1.77
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)				= 14.6	20	-
UNREGULATED PFAS CONTAMINANTS						
375-73-5	Perfluorobutane sulfonic acid (PFBS)	1.68			0.512	1.57
307-55-1	Perfluorododecanoic acid (PFDoA)	ND			0.583	1.77
307-24-4	Perfluorohexanoic acid (PFHxA)	3.28			0.583	1.77
376-06-7	Perfluorotetradecanoic acid (PFTA)	ND			0.583	1.77
72629-94-8	Perfluorotridecanoic acid (PFTrDA)	ND			0.583	1.77
2058-94-8	Perfluoroundecanoic acid (PFUnA)	ND			0.583	1.77
2991-50-6	N-ethyl perfluorooctanesulfonamidoacetic acid (N-ethyl FOSAA)	ND			1.17	3.53
2355-31-9	N-methyl perfluorooctanesulfonamidoacetic acid (N-methyl FOSAA)	ND			1.17	3.53
763051-92-9	11-chloroeicosfluoro-3-oxaundecane-1-sulfonic acid (11CI-PF3OUDS)	ND			0.883	3.53
756426-58-1	9-chlorohexadecafluoro-3-oxanone-1-sulfonic acid (9CI-PF3ONS)	ND			1.17	3.53
919005-14-4	4,8-dioxa-3H-perfluorononanoic acid (ADONA)	ND			0.583	1.77
13252-13-6	Hexafluoropropylene oxide dimer acid (HFPO-DA)	ND			0.583	1.77

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.



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PWS ID#: 2316000

Lab Sample ID#:

Primary Lab:

Subcontracted Lab:

GEL Laboratories LLC

Surrogate Name	% Recovery (70 ~ 130%)	Alternate Surrogate (must document reason for change)
¹³ C ₂ -PFHxA	94	
¹³ C ₂ -PFDA	78	
d ₅ -NEtFOSAA	92	
¹³ C ₃ -HFPO-DA	94	

Note: $^{13}\text{C}_3$ -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	Value is estimated
U	Analyte was analyzed for, but not detected above the MDL, MDA, MDC or LOD.
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:

Meredith Boddyford

Date: 4/21/2021

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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			



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PWS ID #:	2316000	City / Town:	WEBSTER		
PWS Name:	Webster 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	
RW-04G	RAW WATER: STATION #1, WELL #1	<input type="checkbox"/> (M)ultiple <input checked="" type="checkbox"/> (S)ingle	<input type="checkbox"/> (R)aw <input type="checkbox"/> (F)inished	06-APR-21 10:05	G. Woods
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 type="checkbox"/> RS <input checked="" 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-SC012	Primary Lab Name:	GEL Laboratories LLC	Subcontracted? (Y/N)	<input checked="" type="checkbox"/> 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#			
EPA 537.1	08-APR-21 10:27	09-APR-21 19:51	1	Primary Lab:	539951005		
				Subcontracted Lab:			

CAS#	REGULATED PFAS CONTAMINANTS	Result ¹ ng/L	Result ² Qualifier	MCL ³ ng/L	MDL ng/L	MRL ng/L	
1763-23-1	Perfluorooctane Sulfonic Acid (PFOS)	2.15			0.561	1.7	
335-67-1	Perfluorooctanoic Acid (PFOA)	2.23			0.561	1.7	
355-46-4	Perfluorohexane Sulfonic Acid (PFHxS)	1.02	J		0.51	1.55	
375-95-1	Perfluorononanoic Acid (PFNA)	ND			0.561	1.7	
375-85-9	Perfluoroheptanoic Acid (PFHpA)	0.585	J		0.561	1.7	
335-76-2	Perfluorodecanoic acid (PFDA)	ND			0.561	1.7	
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)				= 4.38	--	20	-
UNREGULATED PFAS CONTAMINANTS							
375-73-5	Perfluorobutane sulfonic acid (PFBS)	1.34	J		0.493	1.51	
307-55-1	Perfluorododecanoic acid (PFDoA)	ND			0.561	1.7	
307-24-4	Perfluorohexanoic acid (PFHxA)	ND			0.561	1.7	
376-06-7	Perfluorotetradecanoic acid (PFTA)	ND			0.561	1.7	
72629-94-8	Perfluorotridecanoic acid (PFTrDA)	ND			0.561	1.7	
2058-94-8	Perfluoroundecanoic acid (PFUnA)	ND			0.561	1.7	
2991-50-6	N-ethyl perfluorooctanesulfonamidoacetic acid (NEtFOSAA)	ND			1.12	3.4	
2355-31-9	N-methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)	ND			1.12	3.4	
763051-92-9	11-chloroelcosfluoro-3-oxaundecane-1-sulfonic acid (11CI-PF3OUDS)	ND			0.85	3.4	
756426-58-1	9-chlorohexadecafluoro-3-oxanone-1-sulfonic acid (9CI-PF3ONS)	ND			1.12	3.4	
919005-14-4	4,8-dioxa-3H-perfluorononanoic acid (ADONA)	ND			0.561	1.7	
13252-13-6	Hexafluoropropylene oxide dimer acid (HFPO-DA)	ND			0.561	1.7	

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Massachusetts Department of Environmental Protection - Drinking Water Program

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Per- and Polyfluoroalkyl Substances (PFAS) Report

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PWS ID#: 2316000

Lab Sample ID#:

Primary Lab:

GEL Laboratories LLC

Subcontracted Lab:

Surrogate Name	% Recovery (70 – 130%)	Alternate Surrogate (must document reason for change)
¹³ C ₂ -PFHxA	92	
¹³ C ₂ -PFDA	73	
d ₅ -NEtFOSAA	72	
¹³ C ₃ -HFPO-DA	87	

Note: $^{13}\text{C}_3$ -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	Value is estimated
U	Analyte was analyzed for, but not detected above the MDL, MDA, MDC or LOD.
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:

Meredith Booldiford

Date: _____

4/21/2021

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MassDEP REVIEW STATUS (Initial & Date)		Review Comments	<input type="checkbox"/> WQTS Data Entered
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PWS ID #:	2316000	City / Town:	WEBSTER		
PWS Name:	Webster 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	
RW-05G	RAW WATER: STATION #1, WELL #2	<input type="checkbox"/> (M)ultiple <input checked="" type="checkbox"/> (S)ingle	<input type="checkbox"/> (R)aw <input type="checkbox"/> (F)inished	06-APR-21 10:10	G. Woods
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 type="checkbox"/> RS <input checked="" 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			
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Primary Lab Cert. #:	M-SC012	Primary Lab Name:	GEL Laboratories LLC	Subcontracted? (Y/N)	<input checked="" type="checkbox"/> 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#		
EPA 537.1	08-APR-21 10:27	09-APR-21 20:08	1	Primary Lab:	539951007	
				Subcontracted Lab:		

CAS#	REGULATED PFAS CONTAMINANTS	Result ¹ ng/L	Result ² Qualifier	MCL ³ ng/L	MDL ng/L	MRL ng/L
1763-23-1	Perfluorooctane Sulfonic Acid (PFOS)	3.74		0.569	1.73	
335-67-1	Perfluorooctanoic Acid (PFOA)	5.07		0.569	1.73	
355-46-4	Perfluorohexane Sulfonic Acid (PFHxS)	1.41	J	0.518	1.57	
375-95-1	Perfluorononanoic Acid (PFNA)	0.584	J	0.569	1.73	
375-85-9	Perfluoroheptanoic Acid (PFHpA)	2.25		0.569	1.73	
335-76-2	Perfluorodecanoic acid (PFDA)	ND		0.569	1.73	
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)				= 11.1	20	-
UNREGULATED PFAS CONTAMINANTS						
375-73-5	Perfluorobutane sulfonic acid (PFBS)	1.79		0.5	1.54	
307-55-1	Perfluorododecanoic acid (PFDoA)	ND		0.569	1.73	
307-24-4	Perfluorohexanoic acid (PFHxA)	2.57		0.569	1.73	
376-06-7	Perfluorotetradecanoic acid (PFTA)	ND		0.569	1.73	
72629-94-8	Perfluorotridecanoic acid (PFTrDA)	ND		0.569	1.73	
2058-94-8	Perfluoroundecanoic acid (PFUnA)	ND		0.569	1.73	
2991-50-6	N-ethyl perfluorooctanesulfonamidoacetic acid (NEtFOSAA)	ND		1.14	3.45	
2355-31-9	N-methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)	ND		1.14	3.45	
763051-92-9	11-chloroeicosfluoro-3-oxaundecane-1-sulfonic acid (11CI-PF3OUdS)	ND		0.863	3.45	
756426-58-1	9-chlorohexadecafluoro-3-oxanone-1-sulfonic acid (9CI-PF3ONS)	ND		1.14	3.45	
919005-14-4	4,8-dioxa-3H-perfluorononanoic acid (ADONA)	ND		0.569	1.73	
13252-13-6	Hexafluoropropylene oxide dimer acid (HFPO-DA)	ND		0.569	1.73	

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Lab Sample ID#:

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GEL Laboratories LLC

Subcontracted Lab:

Surrogate Name	% Recovery (70 – 130%)	Alternate Surrogate (must document reason for change)
¹³ C ₂ -PFHxA	105	
¹³ C ₂ -PFDA	94	
d ₅ -NEtFOSAA	98	
¹³ C ₃ -HFPO-DA	109	

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

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

Result Qualifier	Qualifier Description
J	Value is estimated
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Other Analysis Comments:	

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Primary Lab Director Signature:

Meredith Boldiford

Date: 4/21/2021

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PWS Name:	Webster Water Dept			
MassDEP Location (LOC) ID#	MassDEP Location Name	Sample Information		Date Collected
RW-06G	RAW WATER: STATION #1, WELL #3	<input type="checkbox"/> (M)ultiple <input checked="" type="checkbox"/> (S)ingle	<input type="checkbox"/> (R)aw <input type="checkbox"/> (F)inished	06-APR-21 10:15
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 type="checkbox"/> RS <input checked="" 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-SC012	Primary Lab Name:	GEL Laboratories LLC	Subcontracted? (Y/N)	<input checked="" type="checkbox"/> 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#			
EPA 537.1	08-APR-21 10:27	09-APR-21 20:25	1	Primary Lab:	539951009		
				Subcontracted Lab:			

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)	4.64		0.569	1.73	
335-67-1	Perfluorooctanoic Acid (PFOA)	3.76		0.569	1.73	
355-46-4	Perfluorohexane Sulfonic Acid (PFHxS)	1.47	J	0.518	1.57	
375-95-1	Perfluorononanoic Acid (PFNA)	ND		0.569	1.73	
375-85-9	Perfluorohexanoic Acid (PFHpA)	2.01		0.569	1.73	
335-76-2	Perfluorodecanoic acid (PFDA)	ND		0.569	1.73	
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)				10.4	--	20
UNREGULATED PFAS CONTAMINANTS						
375-73-5	Perfluorobutane sulfonic acid (PFBS)	2.77		0.5	1.54	
307-55-1	Perfluorododecanoic acid (PFDoA)	ND		0.569	1.73	
307-24-4	Perfluorohexanoic acid (PFHxA)	1.93		0.569	1.73	
376-06-7	Perfluorotetradecanoic acid (PFTA)	ND		0.569	1.73	
72629-94-8	Perfluorotridecanoic acid (PFTrDA)	ND		0.569	1.73	
2058-94-8	Perfluoroundecanoic acid (PFUnA)	ND		0.569	1.73	
2991-50-6	N-ethyl perfluorooctanesulfonamidoacetic acid (NEtFOSAA)	ND		1.14	3.45	
2355-31-9	N-methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)	ND		1.14	3.45	
763051-92-9	11-chloroeicosfluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)	ND		0.863	3.45	
756426-58-1	9-chlorohexadecafluoro-3-oxanone-1-sulfonic acid (9Cl-PF3ONS)	ND		1.14	3.45	
919005-14-4	4,8-dioxa-3H-perfluorononanoic acid (ADONA)	ND		0.569	1.73	
13252-13-6	Hexafluoropropylene oxide dimer acid (HFPO-DA)	ND		0.569	1.73	

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

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PWS ID#: 2316000

Lab Sample ID#:

Primary Lab: GEL Laboratories LLC

Subcontracted Lab:

Surrogate Name	% Recovery (70 – 130%)	Alternate Surrogate (must document reason for change)
¹³ C ₂ -PFHxA	97	
¹³ C ₂ -PFDA	87	
d ₅ -NEtFOSAA	85	
¹³ C ₃ -HFPO-DA	87	

Note: $^{13}\text{C}_3$ -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	Value is estimated	
U	Analyte was analyzed for, but not detected above the MDL, MDA, MDC or LOD.	
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:

Meredith Bodiford

Date: 4/31/2021

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-dwg@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

Page 1 of 2

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

PWS ID #:	2316000	City / Town:	WEBSTER		
PWS Name:	Webster 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	
RW-07G	RAW WATER: STATION #1, WELL #4	<input type="checkbox"/> (M)ultiple <input checked="" type="checkbox"/> (S)ingle	<input type="checkbox"/> (R)aw <input type="checkbox"/> (F)inished	06-APR-21 10:20	G. Woods
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 type="checkbox"/> RS <input checked="" 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-SC012	Primary Lab Name:	GEL Laboratories LLC	Subcontracted? (Y/N)	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#			
EPA 537.1	12-APR-21 11:55	13-APR-21 18:02	1	Primary Lab:	539951011		
				Subcontracted Lab:			

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)	3.9		0.58	1.76	
335-67-1	Perfluorooctanoic Acid (PFOA)	4.13		0.58	1.76	
355-46-4	Perfluorohexane Sulfonic Acid (PFHxS)	0.758	J	0.528	1.6	
375-95-1	Perfluorononanoic Acid (PFNA)	1.37	J	0.58	1.76	
375-85-9	Perfluoroheptanoic Acid (PFHpA)	1.48	J	0.58	1.76	
335-76-2	Perfluorodecanoic acid (PFDA)	ND		0.58	1.76	
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)				8.03	20	
UNREGULATED PFAS CONTAMINANTS						
375-73-5	Perfluorobutane sulfonic acid (PFBS)	1.98		0.51	1.57	
307-55-1	Perfluorododecanoic acid (PFDoA)	ND		0.58	1.76	
307-24-4	Perfluorohexanoic acid (PFHxA)	3.3		0.58	1.76	
376-06-7	Perfluorotetradecanoic acid (PFTA)	ND		0.58	1.76	
72629-94-8	Perfluorotridecanoic acid (PFTrDA)	ND		0.58	1.76	
2058-94-8	Perfluoroundecanoic acid (PFUnA)	ND		0.58	1.76	
2991-50-6	N-ethyl perfluorooctanesulfonamidoacetic acid (NEtFOSAA)	ND		1.16	3.52	
2355-31-9	N-methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)	ND		1.16	3.52	
763051-92-9	11-chloroeicosfluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)	ND		0.879	3.52	
756426-58-1	9-chlorohexadecafluoro-3-oxanone-1-sulfonic acid (9Cl-PF3ONS)	ND		1.16	3.52	
919005-14-4	4,8-dioxa-3H-perfluorononanoic acid (ADONA)	ND		0.58	1.76	
13252-13-6	Hexafluoropropylene oxide dimer acid (HFPO-DA)	ND		0.58	1.76	

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
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PWS ID#: 2316000

Lab Sample ID#:

Primary Lab: GEL Laboratories LLC

Subcontracted Lab:

Surrogate Name	% Recovery (70 – 130%)	Alternate Surrogate (must document reason for change)
¹³ C ₂ -PFHxA	94	
¹³ C ₂ -PFDA	87	
d ₅ -NEtFOSAA	74	
¹³ C ₃ -HFPO-DA	92	

Note: $^{13}\text{C}_3$ -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		Value is estimated
U		Analyte was analyzed for, but not detected above the MDL, MDA, MDC or LOD.
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:

Meredith Booldiford

Date: 4/21/2021

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

Page 1 of 2

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

PWS ID #:	2316000	City / Town:	WEBSTER		
PWS Name:	Webster 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	
RW-08G	RAW WATER: STATION #1, WELL #4	<input type="checkbox"/> (M)ultiple <input checked="" type="checkbox"/> (S)ingle	<input type="checkbox"/> (R)aw <input type="checkbox"/> (F)inished	06-APR-21 10:25	G. Woods
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 type="checkbox"/> RS <input checked="" 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-SC012	Primary Lab Name:	GEL Laboratories LLC	Subcontracted? (Y/N)	<input checked="" type="checkbox"/> 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#		
EPA 537.1	12-APR-21 11:55	13-APR-21 18:19	1	Primary Lab:	539951013	
				Subcontracted Lab:		

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)	5.99		0.578	0.578	1.75
335-67-1	Perfluorooctanoic Acid (PFOA)	5.66			0.578	1.75
355-46-4	Perfluorohexane Sulfonic Acid (PFHxS)	1.47	J		0.525	1.59
375-95-1	Perfluorononanoic Acid (PFNA)	0.902	J		0.578	1.75
375-85-9	Perfluoroheptanoic Acid (PFHpA)	2.56			0.578	1.75
335-76-2	Perfluorodecanoic acid (PFDA)	ND			0.578	1.75
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)				= 14.2	20	-
UNREGULATED PFAS CONTAMINANTS						
375-73-5	Perfluorobutane sulfonic acid (PFBS)	3.68		0.508 0.578 0.578 0.578 0.578 0.578 1.16 1.16 0.876 1.16 0.578 0.578	0.508	1.56
307-55-1	Perfluorododecanoic acid (PFDoA)	ND			0.578	1.75
307-24-4	Perfluorohexanoic acid (PFHxA)	2.09			0.578	1.75
376-06-7	Perfluorotetradecanoic acid (PFTA)	ND			0.578	1.75
72629-94-8	Perfluorotridecanoic acid (PFTrDA)	ND			0.578	1.75
2058-94-8	Perfluoroundecanoic acid (PFUnA)	ND			0.578	1.75
2991-50-6	N-ethyl perfluorooctanesulfonamidoacetic acid (NEtFOSAA)	ND			1.16	3.5
2355-31-9	N-methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)	ND			1.16	3.5
763051-92-9	11-chloroeicosfluoro-3-oxaundecane-1-sulfonic acid (11CI-PF3OUDS)	ND			0.876	3.5
756426-58-1	9-chlorohexadecafluoro-3-oxanone-1-sulfonic acid (9CI-PF3ONS)	ND			1.16	3.5
919005-14-4	4,8-dioxa-3H-perfluorononanoic acid (ADONA)	ND			0.578	1.75
13252-13-6	Hexafluoropropylene oxide dimer acid (HFPO-DA)	ND			0.578	1.75

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#: 2316000

Lab Sample ID#

Primary Lab:

GEL Laboratories LLC

Subcontracted Lab:

Surrogate Name	% Recovery (70 – 130%)	Alternate Surrogate (must document reason for change)
¹³ C ₂ -PFHxA	87	
¹³ C ₂ -PFDA	93	
d ₅ -NETFOSAA	94	
¹³ C ₃ -HFPO-DA	90	

Note: $^{13}\text{C}_3$ -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 (LFSM1, LFSM2, or FD), and LFBP.

All associated sample and/or QC batch criteria not met. See Lab Analysis Criteria section for details.

Lab Analysis Comments: (include sample/method parameters outside of the table)

Lab Analysis Comments: (include sample/method parameters outside of or affecting QC controls/limits and result qualifiers)	
Result Qualifier	Qualifier Description
J	Value is estimated
U	Analyte was analyzed for, but not detected above the MDL, MDA, MDC or LOD.
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:

Meredith Booldiford

Date: 4/21/2021

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-dwn@mass.gov.

MassDEP REVIEW STATUS (Initial & Date)		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

Page 1 of 2

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

PWS ID #:	2316000	City / Town:	WEBSTER	
PWS Name:	Webster 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
RW-01G	RAW WATER: STATION #1, WELL #4		<input type="checkbox"/> (M)ultiple <input checked="" type="checkbox"/> (S)ingle	<input type="checkbox"/> (R)aw <input type="checkbox"/> (F)inished
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 type="checkbox"/> RS <input checked="" 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-SC012	Primary Lab Name:	GEL Laboratories LLC	Subcontracted? (Y/N)	<input checked="" type="checkbox"/> 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 ID#		
EPA 537.1	12-APR-21 11:55	13-APR-21 18:36	1	Primary Lab:	539951015	
				Subcontracted Lab:		

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)	1.76	J		0.61	1.85
335-67-1	Perfluorooctanoic Acid (PFOA)	1.86			0.61	1.85
355-46-4	Perfluorohexane Sulfonic Acid (PFHxS)	ND			0.555	1.68
375-95-1	Perfluorononanoic Acid (PFNA)	0.625	J		0.61	1.85
375-85-9	Perfluorohexanoic Acid (PFHpA)	0.702	J		0.61	1.85
335-78-2	Perfluorodecanoic acid (PFDA)	ND			0.61	1.85
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)				= 1.86	20	-
UNREGULATED PFAS CONTAMINANTS						
375-73-5	Perfluorobutane sulfonic acid (PFBS)	0.609	J		0.536	1.65
307-55-1	Perfluorododecanoic acid (PFDoA)	ND			0.61	1.85
307-24-4	Perfluorohexanoic acid (PFHxA)	0.65	J		0.61	1.85
376-06-7	Perfluorotetradecanoic acid (PFTA)	ND			0.61	1.85
72629-94-8	Perfluorotridecanoic acid (PFTrDA)	ND			0.61	1.85
2058-94-8	Perfluoroundecanoic acid (PFUnA)	ND			0.61	1.85
2991-50-6	N-ethyl perfluorooctanesulfonamidoacetic acid (NEtFOSAA)	ND			1.22	3.7
2355-31-9	N-methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)	ND			1.22	3.7
763051-92-9	11-chloroeicosfluoro-3-oxaundecane-1-sulfonic acid (11CI-PF3OUDS)	ND			0.925	3.7
756426-58-1	9-chlorohexadecafluoro-3-oxanone-1-sulfonic acid (9CI-PF3ONS)	ND			1.22	3.7
919005-14-4	4,8-dioxa-3H-perfluorononanoic acid (ADONA)	ND			0.61	1.85
13252-13-6	Hexafluoropropylene oxide dimer acid (HFPO-DA)	ND			0.61	1.85

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

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PWS ID#: 2316000

Lab Sample ID#:

Primary Lab:

Subcontracted Lab:

GEL Laboratories LLC

Surrogate Name	% Recovery (70 – 130%)	Alternate Surrogate (must document reason for change)
¹³ C ₂ -PFHxA	103	
¹³ C ₂ -PFDA	95	
d ₅ -NEtFOSAA	89	
¹³ C ₃ -HFPO-DA	94	

Note: $^{13}\text{C}_3$ -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	Value is estimated
U	Analyte was analyzed for, but not detected above the MDL, MDA, MDC or LOD.
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:

Meredith Booldiford

Date: 4/21/201

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

Page 1 of 2

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

PWS ID #:	2316000	City / Town:	WEBSTER		
PWS Name:	Webster 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	
MULT2	RAW WATER: STATION #1, WELL #4	<input type="checkbox"/> (M)ultiple <input checked="" type="checkbox"/> (S)ingle	<input checked="" type="checkbox"/> (R)aw <input type="checkbox"/> (F)inished	06-APR-21 10:50	G. Woods
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 type="checkbox"/> RS <input checked="" 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-SC012	Primary Lab Name:	GEL Laboratories LLC	Subcontracted? (Y/N)	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#		
EPA 537.1	12-APR-21 11:55	13-APR-21 19:10	1	Primary Lab:	539951017	
				Subcontracted Lab:		

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)	2.63			0.603	1.83
335-67-1	Perfluorooctanoic Acid (PFOA)	2.98			0.603	1.83
355-46-4	Perfluorohexane Sulfonic Acid (PFHxS)	0.757	J		0.548	1.66
375-95-1	Perfluorononanoic Acid (PFNA)	ND			0.603	1.83
375-85-9	Perfluorohexanoic Acid (PFHpA)	1.22	J		0.603	1.83
335-76-2	Perfluorodecanoic acid (PFDA)	ND			0.603	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)		= 5.61	--	20	-	-
UNREGULATED PFAS CONTAMINANTS						
375-73-5	Perfluorobutane sulfonic acid (PFBS)	1.31	J		0.53	1.63
307-55-1	Perfluorododecanoic acid (PFDoA)	ND			0.603	1.83
307-24-4	Perfluorohexanoic acid (PFHxA)	1.4	J		0.603	1.83
376-06-7	Perfluorotetradecanoic acid (PFTA)	ND			0.603	1.83
72629-94-8	Perfluorotridecanoic acid (PFTrDA)	ND			0.603	1.83
2058-94-8	Perfluoroundecanoic acid (PFUnA)	ND			0.603	1.83
2991-50-6	N-ethyl perfluorooctanesulfonamidoacetic acid (NEtFOSAA)	ND			1.21	3.65
2355-31-9	N-methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)	ND			1.21	3.65
763051-92-9	11-chloroeicosfluoro-3-oxaundecane-1-sulfonic acid (11CI-PF3OUDS)	ND			0.914	3.65
756426-58-1	9-chlorohexadecafluoro-3-oxanone-1-sulfonic acid (9CI-PF3ONS)	ND			1.21	3.65
919005-14-4	4,8-dioxa-3H-perfluorononanoic acid (ADONA)	ND			0.603	1.83
13252-13-6	Hexafluoropropylene oxide dimer acid (HFPO-DA)	ND			0.603	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 2 of 2

PWS ID#: 2316000

Lab Sample ID#:

Primary Lab: GEL Laboratories LLC
Subcontracted Lab:

Surrogate Name	% Recovery (70 – 130%)	Alternate Surrogate (must document reason for change)
¹³ C ₂ -PFHxA	89	
¹³ C ₂ -PFDA	89	
d ₅ -NEtFOSAA	96	
¹³ C ₃ -HFPO-DA	86	

Note: $^{13}\text{C}_3$ -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	Value is estimated
U	Analyte was analyzed for, but not detected above the MDL, MDA, MDC or LOD.
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:

Meredith Boldiford

Date: 4/21/2021

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		

Page: 2 of 2
 Project # 1111111111111111
 GEI Quote #: 1111111111111111
 COC Number 1111111111111111
 PO Number: 1111111111111111
 Client Name: Webster Water Dept



Laboratories LLC
 gei.com

Chemistry | Radiochemistry | Radiobiassay | Specialty Analytics
Chain of Custody and Analytical Request

GEI Project Manager: Brielle Luthman

Phone # 508 474 2861

Fax # 508 474 3865

Send Results To: MASSY@WELSTOR-MA.QOV

Collected By: G. Woods

* For composites, indicate start and stop date/time

Sample ID
 * Date Collected
 (mm-dd-yy)

* Time
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