



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 ☒ NTNC ☐ TNC ☐

MassDEP Location (LOC) ID#	MassDEP Location Name	Sample Information	Date Collected	Collected By
03 G	STATION 3: BIGELOW RD. (FINISHED)	<input type="checkbox"/> (M)ultiple <input type="checkbox"/> (R)aw <input checked="" type="checkbox"/> (S)ingle <input checked="" type="checkbox"/> (F)inished	06-APR-21 08:05	G. Woods
Routine or Special Sample	Original, Resubmitted or Confirmation Report	If Resubmitted Report, list below:		
<input type="checkbox"/> RS <input checked="" 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-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 (PFTTrDA)	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-chloroeicosafluoro-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.

Per- and Polyfluoroalkyl Substances (PFAS) Report

Page 2 of 2

PWS ID#: 2316000

Lab Sample ID#:

Primary Lab:	GEL Laboratories LLC
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Subcontracted Lab:

[illegible]

Surrogate Name	% Recovery (70 – 130%)	Alternate Surrogate (must document reason for change)
¹³ C ₂ -PFHxA	95	
¹³ C ₂ -PFDA	94	
d ₅ -NEtFOSAA	105	
¹³ C ₃ -HFPO-DA	98	

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

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

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

☐ All associated QC criteria reported within control limits including Lab Reagent/Method Blank (LRB), Field Reagent Blank (FRB), Surrogate Standards (SUR), Laboratory Fortified Blank (LFB), Matrix Spike/Duplicate (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) <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

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 ☒ NTNC ☐ TNC ☐

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 type="checkbox"/> (R)aw <input checked="" type="checkbox"/> (S)ingle <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	Perfluorooheptanoic 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 (NEtFOSAA)	ND			1.17	3.53
2355-31-9	N-methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)	ND			1.17	3.53
763051-92-9	11-chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)	ND			0.883	3.53
756426-58-1	9-chlorohexadecafluoro-3-oxanone-1-sulfonic acid (9Cl-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.

PWS ID#: 2316000

Lab Sample ID#:

Primary Lab:	GEL Laboratories LLC
Subcontracted Lab:	

[illegible]

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

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

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

☒ All associated QC criteria reported within control limits including Lab Reagent/Method Blank (LRB), Field Reagent Blank (FRB), Surrogate Standards (SUR), Laboratory Fortified Blank (LFB), Matrix Spike/Duplicate (LFSM/FSMD 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

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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

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** ☒ **NTNC** ☐ **TNC** ☐

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"/> (R)aw <input checked="" type="checkbox"/> (S)ingle <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) **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* ng/L	MDL ng/L	MRL ng/L
1763-23-1	Perfluorooctane Sulfonic Acid (PFOS)	2.15		20	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-chloroelcosafuoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)	ND			0.85	3.4
756426-58-1	9-chlorohexadecafluoro-3-oxanone-1-sulfonic acid (9Cl-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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Per- and Polyfluoroalkyl Substances (PFAS) Report

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PWS ID#:	2316000	Lab Sample ID#:	Primary Lab:	GEL Laboratories LLC
			Subcontracted Lab:	

[illegible]

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

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

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

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

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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
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

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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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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** ☒ **NTNC** ☐ **TNC** ☐

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"/> (R)aw <input checked="" type="checkbox"/> (S)ingle <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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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 ID#	
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* ng/L	MDL ng/L	MRL ng/L
1763-23-1	Perfluorooctane Sulfonic Acid (PFOS)	3.74		20	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		20	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-chloroicosafuoro-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-dioxo-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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PWS ID#: 2316000

Lab Sample ID#:

Primary Lab:	GEL Laboratories LLC
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Subcontracted Lab:

[illegible]

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

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

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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:

Meredith Boldiford

Date: 4/21/2021

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PWS Name: Webster Water Dept PWS Class: COM ☒ NTNC ☐ TNC ☐

MassDEP Location (LOC) ID#	MassDEP Location Name	Sample Information	Date Collected	Collected By
RW-06G	RAW WATER: STATION #1, WELL #3	<input type="checkbox"/> (M)ultiple <input checked="" type="checkbox"/> (R)aw <input checked="" type="checkbox"/> (S)ingle <input type="checkbox"/> (F)inished	06-APR-21 10:15	G. Woods
Routine or Special Sample	Original, Resubmitted or Confirmation Report	If Resubmitted Report, list below:		
<input type="checkbox"/> RS <input checked="" 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-SC012 Primary Lab Name: GEL Laboratories LLC Subcontracted? (Y/N) N

Analysis Lab Cert. #: Analysis Lab Name:

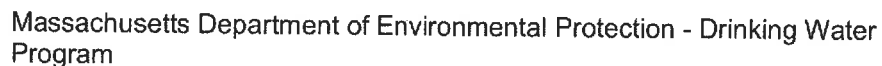
If Analysis Lab is not certified by MassDEP or U.S. EPA, list certification authority:

Lab Method	Date Extracted	Date Analyzed	Dilution Factor	Lab Sample IDs#	
EPA 537.1	08-APR-21 10:27	09-APR-21 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	Perfluoroheptanoic 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-chloroicosafluoro-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.



Per- and Polyfluoroalkyl Substances (PFAS) Report

Page 2 of 2

PWS ID#: 2316000	Lab Sample ID#:	Primary Lab:	GEL Laboratories LLC
		Subcontracted Lab:	

[illegible]

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

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

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

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

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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

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** ☒ **NTNC** ☐ **TNC** ☐

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 checked="" 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:		
<input type="checkbox"/> RS <input checked="" type="checkbox"/> SS	<input checked="" type="checkbox"/> Original <input type="checkbox"/> Resubmitted <input type="checkbox"/> Confirmation	(1) Reason for Resubmission <input type="checkbox"/> Resample <input type="checkbox"/> Reanalysis <input type="checkbox"/> Report Correction	(2) Collection Date of Original Sample	
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-chloroeicosafluoro-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.

Per- and Polyfluoroalkyl Substances (PFAS) Report

Page 2 of 2

PWS ID#: 2316000

Lab Sample ID#:

Primary Lab:	GEL Laboratories LLC
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Subcontracted Lab:

[illegible]

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

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

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

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

☒ All associated QC criteria reported within control limits including Lab Reagent/Method Blank (LRB), Field Reagent Blank (FRB), Surrogate Standards (SUR), Laboratory Fortified Blank (LFB), Matrix Spike/Duplicate (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) <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

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 ☒ NTNC ☐ TNC ☐

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	06-APR-21 10:25	G. Woods
Routine or Special Sample	Original, Resubmitted or Confirmation Report	If Resubmitted Report, list below:		
<input type="checkbox"/> RS <input checked="" 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-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 18:19	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	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	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-chloroicosafuoro-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-dioxo-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

Lab Sample ID#:

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	

☒ Laboratory practices must include 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)

* 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.

Rev. 9/9/2020



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 ☒ NTNC ☐ TNC ☐

MassDEP Location (LOC) ID#	MassDEP Location Name	Sample Information		Date Collected	Collected By
RW-01G	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 10:45	G. Woods
Routine or Special Sample	Original, Resubmitted or Confirmation Report	If Resubmitted Report, list below:			
<input type="checkbox"/> RS <input checked="" 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-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 18:36	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	20	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
335-76-2	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 (PFTTrDA)	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-chloroicosafafluoro-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.

Per- and Polyfluoroalkyl Substances (PFAS) Report

Page 2 of 2

PWS ID#: 2316000

Lab Sample ID#:

Primary Lab:	GEL Laboratories LLC
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Subcontracted Lab:

[illegible]

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

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

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

☒ All associated QC criteria reported within control limits including Lab Reagent/Method Blank (LRB), Field Reagent Blank (FRB), Surrogate Standards (SUR), Laboratory Fortified Blank (LFB), Matrix Spike/Duplicate (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: 4/21/201

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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

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 ☒ NTNC ☐ TNC ☐

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"/> (R)aw <input checked="" type="checkbox"/> (S)ingle <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	Perfluorooheptanoic 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 (PFTDA)	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-chloroeicosafuoro-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.

PWS ID#: 2316000

Lab Sample ID#:

Primary Lab:	GEL Laboratories LLC
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Subcontracted Lab:

[illegible]

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

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

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

☒ All associated QC criteria reported within control limits including Lab Reagent/Method Blank (LRB), Field Reagent Blank (FRB), Surrogate Standards (SUR), Laboratory Fortified Blank (LFB), Matrix Spike/Duplicate (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:

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) <input type="checkbox"/> Accepted _____ <input type="checkbox"/> Disapproved	Review Comments	<input type="checkbox"/> WQTS Data Entered
--	--------------------	---

Project # MUEP00120

GEL Quote #:

COC Number (1):

PO Number:

Client Name: Webster Water Dept

Project/Site Name:

Address: PO Box 793 Webster MA 01570

Collected By: G. Woods

Send Results To: mfoyer@webster-ma.gov

Sample ID

* For composites - indicate start and stop date/time

Date Collected (mm-dd-yy)

Time Collected (Military) (hh:mm)

QC Code (1)

Field Filtered (2)

Sample Matrix (3)

Should this sample be considered:

Yes, please supply isotopic info. (4)

Possible Hazards (5)

Total number of containers

Preservative Type (6)

Comments

Note: extra sample is required for sample specific QC

STATION 3: BIGELOW RD (FINISHED)

STATION 3: WELL #3 Bigelow Rd

RAW WATER STATION #1, WELL #1

RAW WATER STATION #1, WELL #2

RAW WATER STATION #1, WELL #3

TAT Requested: Normal: Rush: Specify: (Subject to Surcharge)

Fax Results: Yes No

Select Deliverable: C of A QC Summary Level 1 Level 2 Level 3 Level 4

Additional Remarks:

For Lab Receiving Use Only: Custody Seal Intact? Yes No Cooler Temp: °C

Sample Collection Time Zone: Eastern Pacific Central Mountain Other

For sample shipping and delivery details, see Sample Receipt & Review form (SRR)

1) Chain of Custody Number = Client Determined

2) QC Codes: N = Normal Sample, TB = Trip Blank, FB = Field Duplicate, EB = Equipment Blank, MS = Matrix Spike Sample, MSD = Matrix Spike Duplicate Sample, G = Grab, C = Composite

3) Field Filtered: For liquid matrices, indicate with a - Y - for yes the sample was field filtered or - N - for sample was not field filtered

4) Matrix Codes: DW=Drinking Water, GW=Groundwater, SW=Surface Water, WW=Waste Water, W=Water, ML=Misc Liquid, SO=Soil, SD=Sediment, SL=Sludge, SS=Solid Waste, O=Oil, F=Filter, P=Wipe, U=Urine, F=Fecal, N=Nasal

5) Sample Analysis Requested: Analytical method requested (i.e. 8260B, 6010B/7470A) and number of containers provided for each (i.e. 8260B - 3, 6010B/7470A - 1).

6) Preservative Type: HA = Hydrochloric Acid, NI = Nitric Acid, SH = Sodium Hydroxide, SA = Sulfuric Acid, AA = Ascorbic Acid, HX = Hexane, ST = Sodium Thiosulfate. If no preservative is added = leave field blank

7) KNOWN OR POSSIBLE HAZARDS

Characteristic Hazards

Listed Waste

FL = Flammable/ignitable

CO = Corrosive

RE = Reactive

TSCA Regulated

PCB = Polychlorinated biphenyls

RCRA Metals

As = Arsenic

Ba = Barium

Cd = Cadmium

Cr = Chromium

MR = Misc. RCRA metals

Pb = Lead

Other

OT = Other / Unknown

(i.e.: High/low pH, asbestos, beryllium, irritants, other misc. health hazards, etc.)

Description:

Please provide any additional details below regarding handling and/or disposal concerns (i.e.: Origin of sample(s), type of site collected from, odd matrices, etc.)

GEL Laboratories, LLC

2040 Savage Road

Charleston, SC 29407

Phone: (843) 556-8171

Fax: (843) 766-1178

GEL Project Manager: Brielle Luthman

GEL Work Order Number:

Phone # 508 949 3861

Fax # 508 949 3865

GEL Laboratories, LLC

Chemistry / Radiochemistry / Radiobiology / Specialty Analytics

Chain of Custody and Analytical Request

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Chemistry | Radiochemistry | Radiobiology | Specialty Analytics
Chain of Custody and Analytical Request
GEL Work Order Number:
GEL Project Manager: Brielle Luthman

Sample Analysis Requested (6) (Fill in the number of containers for each test)									
Sample ID	*Date Collected (mm-dd-yy)	*Time Collected (Military) (hhmm)	QC Code (1)	Field Filtered (2)	Sample Matrix (3)	Radiative (5) Yes, please supply isotopic info.	Should this sample be considered:	Total number of containers	Preservative Type (6)
RW-07G	04-06-21	1020	N	N	DW	N		2	
RW-07G FRB		1020	N	N	DW	N		2	
RW-08G		1025	N	N	DW	N		2	
RW-08G FRB		1025	N	N	DW	N		2	
RW-01G		1045	N	N	DW	N		2	
RW-01G FRB		1045	N	N	DW	N		2	
MULT2		1050	N	N	DW	N		2	
MULT2 FRB		1050	N	N	DW	N		2	

Chain of Custody Signatures

Relinquished By (Signed)	Date	Received by (Signed)	Date	Time
<i>[Signature]</i>	4/6/21	<i>[Signature]</i>	4/7/21	935

TAT Requested: Normal: ☒ Rush: ☐ Specify:
Fax Results: ☐ Yes ☐ No
Select Deliverable: ☐ C of A ☐ QC Summary ☐ Level 1 ☐ Level 2 ☐ Level 3 ☐ Level 4
Additional Remarks:
For Lab Receiving Use Only: Custody Seal Intact? ☐ Yes ☐ No Cooler Temp: 4 °C
Sample Collection Time Zone: ☒ Eastern ☐ Pacific ☐ Central ☐ Mountain ☐ Other:

For sample shipping and delivery details, see Sample Receipt & Review form (SRR)

1.) Chain of Custody Number = Client Determined
2.) QC Codes: N = Normal Sample, TB = Trip Blank, FD = Field Duplicate, EB = Equipment Blank, MS = Matrix Spike Sample, MSD = Matrix Spike Duplicate Sample, G = Grab, C = Composite
3.) Field Filtered: For liquid matrices, indicate with a - Y - for yes the sample was field filtered or - N - for sample was not field filtered.
4.) Matrix Codes: DW=Drinking Water, GW=Groundwater, SW=Surface Water, WW=Waste Water, W=Water, ML=Misc Liquid, SO=Soil, SD=Sediment, SL=Sludge, SS=Solid Waste, O=Oil, F=Filter, P=Wipe, U=Urine, F=Faecal, N=Nasal
5.) Sample Analysis Requested: Analytical method requested (i.e. 8260B, 6010B/7470A) and number of containers provided for each (i.e. 8260B - 3, 6010B/7470A - 1)
6.) Preservative Type: HA = Hydrochloric Acid, NI = Nitric Acid, SH = Sodium Hydroxide, SA = Sulfuric Acid, AA = Ascorbic Acid, HX = Hexane, ST = Sodium Thiosulfate, If no preservative is added = leave field blank
7.) **KNOWN OR POSSIBLE HAZARDS**

RCRA Metals	Characteristic Hazards	Listed Waste	Other
As = Arsenic Ba = Barium Cd = Cadmium Cr = Chromium Pb = Lead	FL = Flammable/Ignitable CO = Corrosive RE = Reactive TSCA Regulated PCB = Polychlorinated biphenyls	LW = Listed Waste (F, K, P and U-listed wastes) Waste code(s):	OT = Other / Unknown (i.e.: High/low pH, asbestos, beryllium, irritants, other misc. health hazards, etc.) Description:

Please provide any additional details below regarding handling and/or disposal concerns. (i.e.: Origin of sample(s), type of site collected from, odd matrices, etc.)