



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 #: **3315000** City / Town: **WAYLAND**

PWS Name: **WAYLAND WATER DEPARTMENT** PWS Class: **COM** ☐ NTNC ☐ TNC ☐

MassDEP Location (LOC) ID#	MassDEP Location Name	Sample Information		Date Collected	Collected By
10008	CHAMBERLAIN WELL	<input type="checkbox"/> (M)ultiple <input checked="" type="checkbox"/> (S)ingle	<input type="checkbox"/> (R)aw <input checked="" type="checkbox"/> (F)inished	12/16/20	RB
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-MA086** Primary Lab Name: **Alpha Analytical** Subcontracted? (Y/N) **Y**

Analysis Lab Cert. #: **M-MA030** Analysis Lab Name: **Alpha Analytical**

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

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Lab Method	Date Extracted	Date Analyzed	Dilution Factor	Lab Sample IDs#	
537.1	12/23/20	12/23/20 0	1	Primary Lab:	L2056342-01
				Subcontracted Lab:	L2056342-01

CAS#	REGULATED PFAS CONTAMINANTS	Result ¹ ng/L	Result ² Qualifier	MCL* ng/L	MDL ng/L	MRL ng/L
1763-23-1	Perfluorooctane Sulfonic Acid (PFOS)	3.56			0.433	1.76
335-67-1	Perfluorooctanoic Acid (PFOA)	6.93			0.549	1.76
355-46-4	Perfluorohexane Sulfonic Acid (PFHxS)	1.44	J		0.422	1.76
375-95-1	Perfluorononanoic Acid (PFNA)	ND			0.419	1.76
375-85-9	Perfluorohexanoic Acid (PFHpA)	3.34			0.229	1.76
335-76-2	Perfluorodecanoic acid (PFDA)	ND			0.567	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)		= 13.8				
UNREGULATED PFAS CONTAMINANTS						
375-73-5	Perfluorobutane sulfonic acid (PFBS)	1.51	J		0.250	1.76
307-55-1	Perfluorododecanoic acid (PFDoA)	ND			0.570	1.76
307-24-4	Perfluorohexanoic acid (PFHxA)	3.41			0.232	1.76
376-06-7	Perfluorotetradecanoic acid (PFTA)	ND			0.380	1.76
72629-94-8	Perfluorotridecanoic acid (PFTTrDA)	ND			0.493	1.76
2058-94-8	Perfluoroundecanoic acid (PFUnA)	ND			0.377	1.76
2991-50-6	N-ethyl perfluorooctanesulfonamidoacetic acid (NtFOSAA)	ND			0.493	1.76
2355-31-9	N-methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)	ND			0.528	1.76
763051-92-9	11-chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)	ND			0.185	1.76
756426-58-1	9-chlorohexadecafluoro-3-oxanone-1-sulfonic acid (9Cl-PF3ONS)	ND			0.242	1.76
919005-14-4	4,8-dioxo-3H-perfluorononanoic acid (ADONA)	ND			0.063	1.76
13252-13-6	Hexafluoropropylene oxide dimer acid (HFPO-DA)	ND			0.398	3.52

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#: **3315000**

Lab Sample ID#:

Primary Lab:	L2047840-01
Subcontracted Lab:	L2047840-01

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

Surrogate Name	% Recovery (70 – 130%)	Alternate Surrogate (must document reason for change)
¹³ C ₂ -PFHxA	98	
¹³ C ₂ -PFDA	76	
d ₅ -NEtFOSAA	88	
¹³ C ₃ -HFPO-DA	117	

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

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

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

Result Qualifier	Qualifier Description
J	The target analyte concentration is below the quantitation limit (RL), but above the Method Detection Limit.
Other Analysis Comments:	L2056342-01: The internal standard response for d3-NMeFOSAA was below the acceptance criteria; however, re-extraction could not be performed due to lack of additional sample. The results of the original analysis are reported; however, all associated compounds are considered to have a potential bias.

* MCL or proposed MCL

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

Primary Lab Director Signature: Joseph L. WickensDate: 1/6/2021

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

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PWS Name: **WAYLAND WATER DEPARTMENT** PWS Class: **COM** ☐ NTNC ☐ TNC ☐

MassDEP Location (LOC) ID#	MassDEP Location Name	Sample Information		Date Collected	Collected By
10008	CHAMBERLAIN WELL-FB	<input type="checkbox"/> (M)ultiple <input checked="" type="checkbox"/> (S)ingle	<input type="checkbox"/> (R)aw <input checked="" type="checkbox"/> (F)inished	12/16/20	RB
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-MA086** Primary Lab Name: **Alpha Analytical** Subcontracted? (Y/N) **Y**

Analysis Lab Cert. #: **M-MA030** Analysis Lab Name: **Alpha Analytical**

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

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Lab Method	Date Extracted	Date Analyzed	Dilution Factor	Lab Sample IDs#	
537.1	12/23/20	12/23/20	1	Primary Lab:	L2056342-02
				Subcontracted Lab:	L2056342-02

CAS#	REGULATED PFAS CONTAMINANTS	Result ¹ ng/L	Result ² Qualifier	MCL* ng/L	MDL ng/L	MRL ng/L
1763-23-1	Perfluorooctane Sulfonic Acid (PFOS)	ND			0.467	1.90
335-67-1	Perfluorooctanoic Acid (PFOA)	ND			0.592	1.90
355-46-4	Perfluorohexane Sulfonic Acid (PFHxS)	ND			0.456	1.90
375-95-1	Perfluorononanoic Acid (PFNA)	ND			0.452	1.90
375-85-9	Perfluorohexanoic Acid (PFHpA)	ND			0.247	1.90
335-76-2	Perfluorodecanoic acid (PFDA)	ND			0.612	1.90
PFAS6 (sum of PFOS, PFOA, PFHxS, PFNA, PFHpA and PFDA; only include Results at or above the MRL; do not include estimated Results as described by a Result Qualifier in the next column)		=				
UNREGULATED PFAS CONTAMINANTS						
375-73-5	Perfluorobutane sulfonic acid (PFBS)	ND			0.270	1.90
307-55-1	Perfluorododecanoic acid (PFDoA)	ND			0.615	1.90
307-24-4	Perfluorohexanoic acid (PFHxA)	ND			0.250	1.90
376-06-7	Perfluorotetradecanoic acid (PFTA)	ND			0.410	1.90
72629-94-8	Perfluorotridecanoic acid (PFTTrDA)	ND			0.482	1.90
2058-94-8	Perfluoroundecanoic acid (PFUnA)	ND			0.406	1.90
2991-50-6	N-ethyl perfluorooctanesulfonamidoacetic acid (NtFOSAA)	ND			0.532	1.90
2355-31-9	N-methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)	ND			0.570	1.90
763051-92-9	11-chloroeicosafuoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)	ND			0.199	1.90
756426-58-1	9-chlorohexadecafluoro-3-oxanone-1-sulfonic acid (9Cl-PF3ONS)	ND			0.261	1.90
919005-14-4	4,8-dioxo-3H-perfluorononanoic acid (ADONA)	ND			0.068	1.90
13252-13-6	Hexafluoropropylene oxide dimer acid (HFPO-DA)	ND			0.429	3.80

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

² All qualifiers must be described under Lab Analysis Comments on page 2.



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PWS ID#: 3315000

Lab Sample ID#:

Primary Lab:	L2056342-02
Subcontracted Lab:	L2056342-02

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

Surrogate Name	% Recovery (70 – 130%)	Alternate Surrogate (must document reason for change)
¹³ C ₂ -PFHxA	85	
¹³ C ₂ -PFDA	78	
d ₅ -NEtFOSAA	84	
¹³ C ₃ -HFPO-DA	103	

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

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

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

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

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

* MCL or proposed MCL

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

Primary Lab Director Signature: _____

Date: 1/6/2021

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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 Name: **WAYLAND WATER DEPARTMENT** PWS Class: ☒ COM ☐ NTNC ☐ TNC ☐

MassDEP Location (LOC) ID#	MassDEP Location Name	Sample Information		Date Collected	Collected By
10002	CAMPBELLWELL	<input type="checkbox"/> (M)ultiple <input checked="" type="checkbox"/> (S)ingle	<input type="checkbox"/> (R)aw <input checked="" type="checkbox"/> (F)inished	12/16/20	RB
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-MA086** Primary Lab Name: **Alpha Analytical** Subcontracted? (Y/N) **Y**

Analysis Lab Cert. #: **M-MA030** Analysis Lab Name: **Alpha Analytical**

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

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Lab Method	Date Extracted	Date Analyzed	Dilution Factor	Lab Sample IDs#	
537.1	12/23/20	12/23/20	1	Primary Lab:	L2056342-03
				Subcontracted Lab:	L2056342-03

CAS#	REGULATED PFAS CONTAMINANTS	Result ¹ ng/L	Result ² Qualifier	MCL* ng/L	MDL ng/L	MRL ng/L
1763-23-1	Perfluorooctane Sulfonic Acid (PFOS)	1.14	J		0.452	1.84
335-67-1	Perfluorooctanoic Acid (PFOA)	2.90			0.574	1.84
355-46-4	Perfluorohexane Sulfonic Acid (PFHxS)	1.66	J		0.441	1.84
375-95-1	Perfluorononanoic Acid (PFNA)	ND			0.438	1.84
375-85-9	Perfluorooheptanoic Acid (PFHpA)	1.43	J		0.239	1.84
335-76-2	Perfluorodecanoic acid (PFDA)	ND			0.592	1.84
PFAS6 (sum of PFOS, PFOA, PFHxS, PFNA, PFHpA and PFDA; only include Results at or above the MRL; do not include estimated Results as described by a Result Qualifier in the next column)		2.90				
UNREGULATED PFAS CONTAMINANTS						
375-73-5	Perfluorobutane sulfonic acid (PFBS)	1.76	J		0.261	1.84
307-55-1	Perfluorododecanoic acid (PFDoA)	ND			0.596	1.84
307-24-4	Perfluorohexanoic acid (PFHxA)	3.57			0.242	1.84
376-06-7	Perfluorotetradecanoic acid (PFTA)	ND			0.397	1.84
72629-94-8	Perfluorotridecanoic acid (PFTTrDA)	ND			0.467	1.84
2058-94-8	Perfluoroundecanoic acid (PFUnA)	ND			0.394	1.84
2991-50-6	N-ethyl perfluorooctanesulfonamidoacetic acid (NEtFOSAA)	ND			0.515	1.84
2355-31-9	N-methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)	ND			0.552	1.84
763051-92-9	11-chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)	ND			0.193	1.84
756426-58-1	9-chlorohexadecafluoro-3-oxanone-1-sulfonic acid (9Cl-PF3ONS)	ND			0.253	1.84
919005-14-4	4,8-dioxo-3H-perfluorononanoic acid (ADONA)	ND			0.066	1.84
13252-13-6	Hexafluoropropylene oxide dimer acid (HFPO-DA)	ND			0.416	3.68

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PWS ID#: 3315000

Lab Sample ID#:

Primary Lab:	L2056342-03
Subcontracted Lab:	L2056342-03

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

Surrogate Name	% Recovery (70 – 130%)	Alternate Surrogate (must document reason for change)
¹³ C ₂ -PFHxA	92	
¹³ C ₂ -PFDA	80	
d ₅ -NEtFOSAA	89	
¹³ C ₃ -HFPO-DA	105	

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

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

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

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

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

* MCL or proposed MCL

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

Primary Lab Director Signature: _____

Date: 1/6/2021

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PWS Name: **WAYLAND WATER DEPARTMENT** PWS Class: **COM** ☐ NTNC ☐ TNC ☐

MassDEP Location (LOC) ID#	MassDEP Location Name	Sample Information		Date Collected	Collected By
10002	CAMPBELLWELL-FB	<input type="checkbox"/> (M)ultiple <input checked="" type="checkbox"/> (S)ingle	<input type="checkbox"/> (R)aw <input checked="" type="checkbox"/> (F)inished	12/16/20	RB
Routine or Special Sample	Original, Resubmitted or Confirmation Report	If Resubmitted Report, list below:			
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<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-MA086** Primary Lab Name: **Alpha Analytical** Subcontracted? (Y/N) **Y**

Analysis Lab Cert. #: **M-MA030** Analysis Lab Name: **Alpha Analytical**

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

--

Lab Method	Date Extracted	Date Analyzed	Dilution Factor	Lab Sample IDs#	
537.1	12/23/20	12/23/20	1	Primary Lab:	L2056342-04
				Subcontracted Lab:	L2056342-04

CAS#	REGULATED PFAS CONTAMINANTS	Result ¹ ng/L	Result ² Qualifier	MCL* ng/L	MDL ng/L	MRL ng/L
1763-23-1	Perfluorooctane Sulfonic Acid (PFOS)	ND			0.468	1.90
335-67-1	Perfluorooctanoic Acid (PFOA)	ND			0.594	1.90
355-46-4	Perfluorohexane Sulfonic Acid (PFHxS)	ND			0.457	1.90
375-95-1	Perfluorononanoic Acid (PFNA)	ND			0.594	1.90
375-85-9	Perfluorohexanoic Acid (PFHpA)	ND			0.248	1.90
335-76-2	Perfluorodecanoic acid (PFDA)	ND			0.613	1.90
PFAS6 (sum of PFOS, PFOA, PFHxS, PFNA, PFHpA and PFDA; only include Results at or above the MRL; do not include estimated Results as described by a Result Qualifier in the next column)		=				
UNREGULATED PFAS CONTAMINANTS						
375-73-5	Perfluorobutane sulfonic acid (PFBS)	ND			0.270	1.90
307-55-1	Perfluorododecanoic acid (PFDoA)	ND			0.617	1.90
307-24-4	Perfluorohexanoic acid (PFHxA)	ND			0.251	1.90
376-06-7	Perfluorotetradecanoic acid (PFTA)	ND			0.411	1.90
72629-94-8	Perfluorotridecanoic acid (PFTTrDA)	ND			0.484	1.90
2058-94-8	Perfluoroundecanoic acid (PFUnA)	ND			0.408	1.90
2991-50-6	N-ethyl perfluorooctanesulfonamidoacetic acid (NEtFOSAA)	ND			0.533	1.90
2355-31-9	N-methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)	ND			0.571	1.90
763051-92-9	11-chloroeicosafuoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)	ND			0.200	1.90
756426-58-1	9-chlorohexadecafluoro-3-oxanone-1-sulfonic acid (9Cl-PF3ONS)	ND			0.262	1.90
919005-14-4	4,8-dioxo-3H-perfluorononanoic acid (ADONA)	ND			0.068	1.90
13252-13-6	Hexafluoropropylene oxide dimer acid (HFPO-DA)	ND			0.430	3.81

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PWS ID#: 3315000

Lab Sample ID#:

Primary Lab:	L2056342-04
Subcontracted Lab:	L2056342-04

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

Surrogate Name	% Recovery (70 – 130%)	Alternate Surrogate (must document reason for change)
¹³ C ₂ -PFHxA	88	
¹³ C ₂ -PFDA	70	
d ₅ -NEtFOSAA	88	
¹³ C ₃ -HFPO-DA	96	

Note: ¹³C₃-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	The target analyte concentration is below the quantitation limit (RL), but above the Method Detection Limit.
Other Analysis Comments:	L2056342-04: The internal standard response for d3-NMeFOSAA was below the acceptance criteria; however, re-extraction could not be performed due to lack of additional sample. The results of the original analysis are reported; however, all associated compounds are considered to have a potential bias.

* MCL or proposed MCL

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

Primary Lab Director Signature: Joseph L. Wickens

Date: 1/6/2021

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PWS ID #: **3315000** City / Town: **WAYLAND**

PWS Name: **WAYLAND WATER DEPARTMENT** PWS Class: ☒ COM ☐ NTNC ☐ TNC ☐

MassDEP Location (LOC) ID#	MassDEP Location Name	Sample Information		Date Collected	Collected By
20006	HAPPY HOLLOW WELLS	<input type="checkbox"/> (M)ultiple <input checked="" type="checkbox"/> (S)ingle	<input type="checkbox"/> (R)aw <input checked="" type="checkbox"/> (F)inished	12/16/20	RB
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-MA086** Primary Lab Name: **Alpha Analytical** Subcontracted? (Y/N) **Y**

Analysis Lab Cert. #: **M-MA030** Analysis Lab Name: **Alpha Analytical**

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

--

Lab Method	Date Extracted	Date Analyzed	Dilution Factor	Lab Sample IDs#	
537.1	12/27/20	12/28/20	1	Primary Lab:	L2056342-05RE
				Subcontracted Lab:	L2056342-05RE

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)	6.06			0.452	1.84
335-67-1	Perfluorooctanoic Acid (PFOA)	7.68			0.573	1.84
355-46-4	Perfluorohexane Sulfonic Acid (PFHxS)	2.54			0.441	1.84
375-95-1	Perfluorononanoic Acid (PFNA)	0.882	J		0.437	1.84
375-85-9	Perfluorohexanoic Acid (PFHpA)	3.01			0.239	1.84
335-76-2	Perfluorodecanoic acid (PFDA)	ND			0.592	1.84
PFAS6 (sum of PFOS, PFOA, PFHxS, PFNA, PFHpA and PFDA; only include Results at or above the MRL; do not include estimated Results as described by a Result Qualifier in the next column)		= 19.3				
UNREGULATED PFAS CONTAMINANTS						
375-73-5	Perfluorobutane sulfonic acid (PFBS)	3.64			0.261	1.84
307-55-1	Perfluorododecanoic acid (PFDoA)	ND			0.595	1.84
307-24-4	Perfluorohexanoic acid (PFHxA)	8.16			0.242	1.84
376-06-7	Perfluorotetradecanoic acid (PFTA)	ND			0.397	1.84
72629-94-8	Perfluorotridecanoic acid (PFTTrDA)	ND			0.467	1.84
2058-94-8	Perfluoroundecanoic acid (PFUnA)	ND			0.393	1.84
2991-50-6	N-ethyl perfluorooctanesulfonamidoacetic acid (NEtFOSAA)	ND			0.515	1.84
2355-31-9	N-methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)	ND			0.551	1.84
763051-92-9	11-chloroeicosafuoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)	ND			0.193	1.84
756426-58-1	9-chlorohexadecafluoro-3-oxanone-1-sulfonic acid (9Cl-PF3ONS)	ND			0.253	1.84
919005-14-4	4,8-dioxo-3H-perfluorononanoic acid (ADONA)	ND			0.066	1.84
13252-13-6	Hexafluoropropylene oxide dimer acid (HFPO-DA)	ND			0.415	3.68

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

² All qualifiers must be described under Lab Analysis Comments on page 2.



Per- and Polyfluoroalkyl Substances (PFAS) Report

Page 2 of 2

PWS ID#: 3315000

Lab Sample ID#:

Primary Lab: L2056342-05RE

Subcontracted Lab: L2056342-05RE

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

Surrogate Name	% Recovery (70 – 130%)	Alternate Surrogate (must document reason for change)
¹³ C ₂ -PFHxA	88	
¹³ C ₂ -PFDA	82	
d ₅ -NEtFOSAA	90	
¹³ C ₃ -HFPO-DA	83	

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

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

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

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

Result Qualifier	Qualifier Description
J	The target analyte concentration is below the quantitation limit (RL), but above the Method Detection Limit.
Other Analysis Comments:	L2056342-05RE: The sample was re-extracted within holding time due to QC failures in the original extraction. The results of the re-extraction are reported.

* MCL or proposed MCL

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

Primary Lab Director Signature: Joseph L. WickensDate: 1/6/2021

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		



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 #: **3315000** City / Town: **WAYLAND**

PWS Name: **WAYLAND WATER DEPARTMENT** PWS Class: **COM** ☐ NTNC ☐ TNC ☐

MassDEP Location (LOC) ID#	MassDEP Location Name	Sample Information		Date Collected	Collected By
20006	HAPPY HOLLOW WELLS -FB	<input type="checkbox"/> (M)ultiple <input checked="" type="checkbox"/> (S)ingle	<input type="checkbox"/> (R)aw <input checked="" type="checkbox"/> (F)inished	12/16/20	RB
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-MA086** Primary Lab Name: **Alpha Analytical** Subcontracted? (Y/N) **Y**

Analysis Lab Cert. #: **M-MA030** Analysis Lab Name: **Alpha Analytical**

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

--

Lab Method	Date Extracted	Date Analyzed	Dilution Factor	Lab Sample IDs#	
537.1	12/23/20	12/23/20	1	Primary Lab:	L2056342-06
				Subcontracted Lab:	L2056342-06

CAS#	REGULATED PFAS CONTAMINANTS	Result ¹ ng/L	Result ² Qualifier	MCL* ng/L	MDL ng/L	MRL ng/L
1763-23-1	Perfluorooctane Sulfonic Acid (PFOS)	ND			0.466	1.89
335-67-1	Perfluorooctanoic Acid (PFOA)	ND			0.591	1.89
355-46-4	Perfluorohexane Sulfonic Acid (PFHxS)	ND			0.454	1.89
375-95-1	Perfluorononanoic Acid (PFNA)	ND			0.451	1.89
375-85-9	Perfluorohexanoic Acid (PFHpA)	ND			0.246	1.89
335-76-2	Perfluorodecanoic acid (PFDA)	ND			0.610	1.89
PFAS6 (sum of PFOS, PFOA, PFHxS, PFNA, PFHpA and PFDA; only include Results at or above the MRL; do not include estimated Results as described by a Result Qualifier in the next column)		=				
UNREGULATED PFAS CONTAMINANTS						
375-73-5	Perfluorobutane sulfonic acid (PFBS)	ND			0.269	1.89
307-55-1	Perfluorododecanoic acid (PFDoA)	ND			0.613	1.89
307-24-4	Perfluorohexanoic acid (PFHxA)	ND			0.249	1.89
376-06-7	Perfluorotetradecanoic acid (PFTA)	ND			0.409	1.89
72629-94-8	Perfluorotridecanoic acid (PFTTrDA)	ND			0.481	1.89
2058-94-8	Perfluoroundecanoic acid (PFUnA)	ND			0.405	1.89
2991-50-6	N-ethyl perfluorooctanesulfonamidoacetic acid (NEtFOSAA)	ND			0.530	1.89
2355-31-9	N-methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)	ND			0.568	1.89
763051-92-9	11-chloroeicosafuoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)	ND			0.199	1.89
756426-58-1	9-chlorohexadecafluoro-3-oxanone-1-sulfonic acid (9Cl-PF3ONS)	ND			0.260	1.89
919005-14-4	4,8-dioxa-3H-perfluorononanoic acid (ADONA)	ND			0.068	1.89
13252-13-6	Hexafluoropropylene oxide dimer acid (HFPO-DA)	ND			0.428	3.79

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#: **3315000**

Lab Sample ID#:

Primary Lab: L2056342-06

Subcontracted Lab: L2056342-06

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

Surrogate Name	% Recovery (70 – 130%)	Alternate Surrogate (must document reason for change)
¹³ C ₂ -PFHxA	75	
¹³ C ₂ -PFDA	64	
d ₅ -NEtFOSAA	78	
¹³ C ₃ -HFPO-DA	87	

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

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

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

Result Qualifier	Qualifier Description
J	The target analyte concentration is below the quantitation limit (RL), but above the Method Detection Limit.
Other Analysis Comments:	L2056342-06: The surrogate recoveries were outside the acceptance criteria for perfluoro-n-[1,2-13c2]decanoic acid (13c-pfda) (64%); however, re-extraction could not be performed due to lack of additional sample. The results of the original analysis are reported; however, all associated compounds are considered to have a potential bias.

* MCL or proposed MCL

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

Primary Lab Director Signature: Joseph L. WickensDate: 1/6/2021

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		



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 #: **3315000** City / Town: **WAYLAND**

PWS Name: **WAYLAND WATER DEPARTMENT** PWS Class: ☒ COM ☐ NTNC ☐ TNC ☐

MassDEP Location (LOC) ID#	MassDEP Location Name	Sample Information		Date Collected	Collected By
20005	BALDWIN POND	<input type="checkbox"/> (M)ultiple <input checked="" type="checkbox"/> (S)ingle	<input type="checkbox"/> (R)aw <input checked="" type="checkbox"/> (F)inished	12/16/20	RB
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-MA086** Primary Lab Name: **Alpha Analytical** Subcontracted? (Y/N) **Y**

Analysis Lab Cert. #: **M-MA030** Analysis Lab Name: **Alpha Analytical**

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

--

Lab Method	Date Extracted	Date Analyzed	Dilution Factor	Lab Sample IDs#	
537.1	12/27/20	12/28/20	1	Primary Lab:	L2056342-07RE
				Subcontracted Lab:	L2056342-07RE

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)	1.22	J		0.442	1.80
335-67-1	Perfluorooctanoic Acid (PFOA)	2.55			0.560	1.80
355-46-4	Perfluorohexane Sulfonic Acid (PFHxS)	0.790	J		0.431	1.80
375-95-1	Perfluorononanoic Acid (PFNA)	ND			0.428	1.80
375-85-9	Perfluorohexanoic Acid (PFHpA)	1.26	J		0.234	1.80
335-76-2	Perfluorodecanoic acid (PFDA)	ND			0.578	1.80
PFAS6 (sum of PFOS, PFOA, PFHxS, PFNA, PFHpA and PFDA; only include Results at or above the MRL; do not include estimated Results as described by a Result Qualifier in the next column)		2.55				
UNREGULATED PFAS CONTAMINANTS						
375-73-5	Perfluorobutane sulfonic acid (PFBS)	1.47	J		0.255	1.80
307-55-1	Perfluorododecanoic acid (PFDoA)	ND			0.582	1.80
307-24-4	Perfluorohexanoic acid (PFHxA)	2.51			0.236	1.80
376-06-7	Perfluorotetradecanoic acid (PFTA)	ND			0.388	1.80
72629-94-8	Perfluorotridecanoic acid (PFTTrDA)	ND			0.456	1.80
2058-94-8	Perfluoroundecanoic acid (PFUnA)	ND			0.384	1.80
2991-50-6	N-ethyl perfluorooctanesulfonamidoacetic acid (NtFOSAA)	ND			0.503	1.80
2355-31-9	N-methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)	ND			0.539	1.80
763051-92-9	11-chloroeicosafuoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)	ND			0.189	1.80
756426-58-1	9-chlorohexadecafluoro-3-oxanone-1-sulfonic acid (9Cl-PF3ONS)	ND			0.247	1.80
919005-14-4	4,8-dioxo-3H-perfluorononanoic acid (ADONA)	ND			0.064	1.80
13252-13-6	Hexafluoropropylene oxide dimer acid (HFPO-DA)	ND			0.406	3.59

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#: 3315000

Lab Sample ID#:

Primary Lab: L2056342-07RE

Subcontracted Lab: L2056342-07RE

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

Surrogate Name	% Recovery (70 – 130%)	Alternate Surrogate (must document reason for change)
¹³ C ₂ -PFHxA	101	
¹³ C ₂ -PFDA	96	
d ₅ -NEtFOSAA	93	
¹³ C ₃ -HFPO-DA	94	

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

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

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

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

Result Qualifier	Qualifier Description
J	The target analyte concentration is below the quantitation limit (RL), but above the Method Detection Limit.
Other Analysis Comments:	L2056342-07RE: The sample was re-extracted within holding time due to QC failures in the original extraction. The results of the re-extraction are reported.

* MCL or proposed MCL

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

Primary Lab Director Signature: Joseph L. WickensDate: 1/6/2021

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		



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 #: **3315000** City / Town: **WAYLAND**

PWS Name: **WAYLAND WATER DEPARTMENT** PWS Class: **COM** ☐ NTNC ☐ TNC ☐

MassDEP Location (LOC) ID#	MassDEP Location Name	Sample Information		Date Collected	Collected By
20005	BALDWIN POND-FB	<input type="checkbox"/> (M)ultiple <input checked="" type="checkbox"/> (S)ingle	<input type="checkbox"/> (R)aw <input checked="" type="checkbox"/> (F)inished	12/16/20	RB
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-MA086** Primary Lab Name: **Alpha Analytical** Subcontracted? (Y/N) **Y**

Analysis Lab Cert. #: **M-MA030** Analysis Lab Name: **Alpha Analytical**

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

--

Lab Method	Date Extracted	Date Analyzed	Dilution Factor	Lab Sample IDs#	
537.1	12/23/20	12/23/20	1	Primary Lab:	L2056342-08
				Subcontracted Lab:	L2056342-08

CAS#	REGULATED PFAS CONTAMINANTS	Result ¹ ng/L	Result ² Qualifier	MCL* ng/L	MDL ng/L	MRL ng/L
1763-23-1	Perfluorooctane Sulfonic Acid (PFOS)	ND			0.482	1.96
335-67-1	Perfluorooctanoic Acid (PFOA)	ND			0.612	1.96
355-46-4	Perfluorohexane Sulfonic Acid (PFHxS)	ND			0.471	1.96
375-95-1	Perfluorononanoic Acid (PFNA)	ND			0.467	1.96
375-85-9	Perfluorohexanoic Acid (PFHpA)	ND			0.255	1.96
335-76-2	Perfluorodecanoic acid (PFDA)	ND			0.632	1.96
PFAS6 (sum of PFOS, PFOA, PFHxS, PFNA, PFHpA and PFDA; only include Results at or above the MRL; do not include estimated Results as described by a Result Qualifier in the next column)		=				
UNREGULATED PFAS CONTAMINANTS						
375-73-5	Perfluorobutane sulfonic acid (PFBS)	ND			0.278	1.96
307-55-1	Perfluorododecanoic acid (PFDoA)	ND			0.635	1.96
307-24-4	Perfluorohexanoic acid (PFHxA)	ND			0.258	1.96
376-06-7	Perfluorotetradecanoic acid (PFTA)	ND			0.424	1.96
72629-94-8	Perfluorotridecanoic acid (PFTTrDA)	ND			0.498	1.96
2058-94-8	Perfluoroundecanoic acid (PFUnA)	ND			0.420	1.96
2991-50-6	N-ethyl perfluorooctanesulfonamidoacetic acid (NEtFOSAA)	ND			0.549	1.96
2355-31-9	N-methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)	ND			0.588	1.96
763051-92-9	11-chloroeicosafuoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)	ND			0.206	1.96
756426-58-1	9-chlorohexadecafluoro-3-oxanone-1-sulfonic acid (9Cl-PF3ONS)	ND			0.270	1.96
919005-14-4	4,8-dioxo-3H-perfluorononanoic acid (ADONA)	ND			0.070	1.96
13252-13-6	Hexafluoropropylene oxide dimer acid (HFPO-DA)	ND			0.443	3.92

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

² All qualifiers must be described under Lab Analysis Comments on page 2.



Per- and Polyfluoroalkyl Substances (PFAS) Report

Page 2 of 2

PWS ID#: 3315000

Lab Sample ID#:

Primary Lab: L2056342-08

Subcontracted Lab: L2056342-08

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

Surrogate Name	% Recovery (70 – 130%)	Alternate Surrogate (must document reason for change)
¹³ C ₂ -PFHxA	90	
¹³ C ₂ -PFDA	88	
d ₅ -NEtFOSAA	79	
¹³ C ₃ -HFPO-DA	107	

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

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

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

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

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

* MCL or proposed MCL

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

Primary Lab Director Signature: Joseph L. WickensDate: 1/6/2021

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		



WESTBORO, MA
TEL: 508-898-9220
FAX: 508-898-9193

MANSFIELD, MA
TEL: 508-822-9300
FAX: 508-822-3288

CHAIN OF CUSTODY

PAGE 1 OF 1

Date Rec'd in Lab: 12/16/2020

ALPHA Job #: L2056342

Client Information

Client: Wayland Water Dept.

Address: 101 Old Sudbury Rd
Wayland MA 01778

Phone: (508) 358-3699

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☐ These samples have been previously analyzed by Alpha

Other Project Specific Requirements/Comments/Detection Limits:

Project Information

Project Name:

Project Location:

Project #:

Project Manager:

ALPHA Quote #:

Turn-Around Time

☐ Standard ☐ RUSH (only confirmed if pre-approved)

Date Due:

Time:

Report Information - Data Deliverables

☐ FAX

☐ EMAIL

☐ ADEx

☐ Add'l Deliverables

Billing Information

☐ Same as Client info

PO #:

Regulatory Requirements/Report Limits

State /Fed Program

Criteria

ANALYSIS
AL-537.1

SAMPLE HANDLING

Filtration _____

☐ Done

☐ Not needed

☐ Lab to do

Preservation

☐ Lab to do

(Please specify below)

Sample Specific Comments

TOTAL # BOTTLES

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection		Sample Matrix	Sampler's Initials										
		Date	Time												
56342-01	Chamberlain well	12-16-20	7:55	DW	RB	P									
02	Chamberlain - Field Blank	12-16-20	7:55		RB	P									
03	Campbell well	12-16-20	8:10	DW	RB										
04	Campbell - Field Blank	12-16-20	8:10		RB										
05	Happy Hollow wells	12-16-20	9:00	DW	RB										
06	Happy Hollow - Field Blank	12-16-20	9:00		RB										
07	Baldwin Pond	12-16-20	10:30	DW	RB										
08	Baldwin Pond - Field Blank	12-16-20	10:30		RB										

Container Type P

Preservative

Relinquished By:

Date/Time

Received By:

Date/Time

Please print clearly, legibly and completely. Samples can not be logged in and turnaround time clock will not start until any ambiguities are resolved. All samples submitted are subject to Alpha's Terms and Conditions. See reverse side.