

PFAS**Submitted - Signed**

PWS ID #: 4122000

City/Town: HANOVER

PWS Name: HANOVER WATER DEPT

PWS Class: COM

Primary Lab MA Cert #: MA030

Primary Lab Name: ALPHA ANALYTICAL

Location ID	Location	M/S:	D/S:	R/F:	Routine/ Special:	Collected By:	Collection Date:	O/R/C:	Resubmit Reason:	Original Collection
10386	BROADWAY WTP	M	S		RS	Paul Cheney	12/1/2021	O		

Sample Comments:

Lab Sample ID:

Sample Composited:

Composite Sample Comments:

L2166549-01

N

Analytical Method:

Analytical Lab ID:

Analytical Lab:

Analysis Date:

Extraction date:

Analysis Comments:

EPA 537.1

MA030

ALPHA ANALYTICAL

12/14/2021

12/10/2021

QA/QC Method1:

PERFLUORO-N-[1,2-13C2]HEXANOIC ACID (13C-PFHXA)

QA/QC Result1:

102

QA/QC Method 2:

2,3,3,3-TETRAFLUORO-2-[1,1,2,2,3,3,3-HEPTAFLUOROPROPOXY]-13C3-PROPANOIC ACID (M3HFPO-DA)

QA/QC Result 2:

90

QA/QC Method3:

PERFLUORO-N-[1,2-13C2]DECANOIC ACID (13C-PFDA)

QA/QC Result3:

95

QA/QC Method4:

N-DEUTERIOETHYLPERFLUORO-1-OCTANESULFONAMIDOACETIC ACID (D5-NETFOSAA)

QA/QC Result4:

90

CAS #	Contaminant:	Result:	UOM:	MCL (ORSG):	MDL:	MRL:	Dilution Factor	Result Qualifier	Result Qualifier Description
Regulated Contaminants									
335-76-2	PERFLUORODECANOIC ACID - PFDA	ND	NG/L		0.600	2.00	1		
375-85-9	PERFLUOROHEPTANOIC ACID-PFHPA	1.76	NG/L		0.600	2.00	1	J	Estimated value. The Target analyte concentration is below the quantitation limit (RL), but above the Method Detection Limit (MDL)
355-46-4	PERFLUOROHXANESULFONIC ACID-PFHXS	1.36	NG/L		0.600	2.00	1	J	Estimated value. The Target analyte concentration is below the quantitation limit (RL), but above the Method Detection Limit (MDL)
375-95-1	PERFLUORONONANOIC ACID-PFNA	ND	NG/L		0.600	2.00	1		
1763-23-1	PERFLUOROOCTANESULFONIC ACID-PFOS	2.91	NG/L		0.600	2.00	1		
335-67-1	PERFLUOROOCTANOIC ACID-PFOA	4.85	NG/L		0.600	2.00	1		

M/S = Multiple or Single sources represented in sample site.

D/S = Distribution or Source sample site.

R/F = Raw or Finished water sample site.

MDL = Method Detection Limit.

UOM = Unit of Measurement.

O/R/C = Original submittal or Resubmitted submittal or Confirmation sample.

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Massachusetts Department of Environmental Protection - Drinking Water Program

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NONE	PFAS6	7.76	NG/L	20	0.600	2.00	1	
Unregulated Contaminants								
763051-92-9	11-CHLOROEICOSAFLUORO-3-OXAUNDECANE-1-SULFONIC ACID-11CL-PF3OUDS	ND	NG/L		0.600	2.00	1	
919005-14-4	4,8-DIOXA-3H-PERFLUORONONANOIC ACID - ADONA	ND	NG/L		0.600	2.00	1	
756426-58-1	9-CHLOROHEXADECAFLUORO-3-OXANONE-1-SULFONIC ACID-9CL-PF3ONS	ND	NG/L		0.600	2.00	1	
13252-13-6	HEXAFLUOROPROPYLENE OXIDE DIMER ACID - HFPO-DA	ND	NG/L		0.600	2.00	1	
2991-50-6	N-ETHYL PERFLUOROOCTANESULFONAMIDOACETIC ACID - NETFOSAA	ND	NG/L		0.600	2.00	1	
2355-31-9	N-METHYL PERFLUOROOCTANESULFONAMIDOACETIC ACID - NMEFOSAA	ND	NG/L		0.600	2.00	1	
375-73-5	PERFLUOROBUTANESULFONIC ACID-PFBS	1.87	NG/L		0.600	2.00	1	J
								Estimated value. The Target analyte concentration is below the quantitation limit (RL), but above the Method Detection Limit (MDL)
307-55-1	PERFLUORODODECANOIC ACID - PFDOA	ND	NG/L		0.600	2.00	1	
307-24-4	PERFLUOROHXANOIC ACID - PFHXA	3.31	NG/L		0.600	2.00	1	
376-06-7	PERFLUOROTETRADECANOIC ACID - PFTA	ND	NG/L		0.600	2.00	1	
72629-94-8	PERFLUOROTRIDECANOIC ACID - PFTRDA	ND	NG/L		0.600	2.00	1	
2058-94-8	PERFLUOROUNDECANOIC ACID - PFUNA	ND	NG/L		0.600	2.00	1	

Primary Lab Signature: John Trimble

Date: 1/5/2022

EDEP Transaction ID: 1335835

Certified Signer User Name: JTRIMBLE

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