

Pender County

605 E. Fremont Street
Burgaw, NC 28425

Samples Received: 05/25/22

Analytical Report
0522-820

Isotope Dilution Method

PFAS



Enthalpy Analytical, LLC – Ultratrace

Mark Hager

O: 910-876-6894/ F: 910-212-6886

mark.hager@enthalpy.com / www.enthalpy.com

2714 Exchange Drive, Wilmington, NC 28405

Enthalpy Analytical

Job No.: 0522-820-1 PFAS by Isotope Dilution (non-potable water)
 Pender County Client Project: N/A

Enthalpy ID 0522-820-001-1
 Sample Name RAW
 Matrix Aqueous
 Sampling Date 20220525 00:00
 Received Date 2022-05-25 18:35

Prep Batch EU13523
 Prep Date 2022-05-26 15:00
 Analysis Date 2022-06-17 05:23
 Analyst avheadrick
 Instrument Aregom

Sample Vol (mL) 282.72
 Extract Vol (mL) 0.4
 Split Factor N/A
 Method Code VM-026
 Sample Type Sample

	Compound	CAS	Extract Concentration ng/L	Sample Concentration ng/L	Formatted Result ng/L	LOD ng/L	LOQ ng/L	Recovery Limits	Recovery	Flags
Acids	PFBA	375-22-4	3819.44	6.12	5.12	0.135	0.566			
	PFPeA	2706-80-3	7385.30	10.4	10.4	0.150	0.566			
	PFHxA	307-24-4	6460.74	9.14	9.14	0.171	0.566			
	PFHpA	375-85-8	2987.30	4.23	4.23	0.108	0.566			
	PFOA	335-67-1	4604.90	6.51	6.51	0.157	0.566			
	PFNA	375-85-1	605.03	0.856	0.856	0.0673	0.566			
	PFDA	335-76-2	286.27	0.380	0.380	0.0747	0.566			J
	PFUnDA	2058-94-8	75.48	0.107	<LOD	0.164	0.566			U
	PFDoDA	307-55-1	ND	ND	<LOD	0.178	0.566			U
	PFTDA	72829-84-8	ND	ND	<LOD	0.134	0.566			U
	PFTeDA	376-08-7	ND	ND	<LOD	0.193	0.566			U
	Sulfonates	PFBS	375-73-5	3845.89	5.16	5.16	0.314	0.681		
PFPeS		2709-81-4	634.44	0.888	0.888	0.182	0.533			
PFHxS		355-48-4	3980.71	5.63	5.63	0.169	0.518			
PFHpS		378-92-8	ND	ND	<LOD	0.119	0.639			U
PFOS		1783-23-1	9950.87	13.7	13.7	0.141	0.524			
PFNS		66258-12-1	ND	ND	<LOD	0.0764	0.545			U
PFDS		335-77-3	ND	ND	<LOD	0.170	0.545			U
4.2 FTS		757124-72-4	ND	ND	<LOD	0.104	0.630			U
6.2 FTS		27819-87-2	643.19	0.810	0.810	0.103	0.539			
8.2 FTS		39108-34-4	ND	ND	<LOD	0.151	0.542			U
Other	PFOSA	754-91-6	50.31	0.0712	<LOD	0.115	0.588			U
	N-MeFOSAA	2355-31-9	ND	ND	<LOD	0.127	0.588			U
	N-EtFOSAA	2391-50-6	ND	ND	<LOD	0.0984	0.588			U
	HFPO-DA	13252-13-6	3467.27	4.91	4.91	0.202	0.588			
	PFMOAA	674-13-5	26802.56	38.1	38.1	1.27	1.27			E
	PFMOPhA	377-73-1	ND	ND	<LOD	0.212	0.566			U
	PF2hxA	38492-88-1	3920.08	5.55	5.55	1.27	1.27			
	PF3hxA	38492-89-2	1049.69	1.49	1.49	1.27	1.27			
	PF4hxA	38492-90-5	495.57	0.701	<LOD	1.34	1.34			U
	Nafion Byproduct 1	28311-87-8	ND	ND	<LOD	0.289	0.586			U
	ADONA	918005-14-4	ND	ND	<LOD	0.106	0.636			U
	6Cl-PF3OUds	756426-58-1	ND	ND	<LOD	0.106	0.527			U
	11Cl-PF3OUds	763051-82-9	ND	ND	<LOD	0.106	0.633			U
	10:2 FTS	120228-60-0	ND	ND	<LOD	0.212	0.586			U
	FBSA	30334-69-1	726.85	1.03	1.03	0.212	0.586			U
	Nafion Byproduct 2	749836-20-2	346.76	0.491	0.491	0.289	0.586			J
	N-EtFOSA	4151-50-2	ND	ND	<LOD	0.212	0.586			U
	N-EtFOSE	1691-99-2	ND	ND	<LOD	6.37	6.37			U
	NFDHA	151772-58-6	ND	ND	<LOD	0.212	0.586			U
	N-MeFOSA	31506-32-8	ND	ND	<LOD	0.212	0.566			U
	N-MeFOSE	24448-09-7	ND	ND	<LOD	6.37	6.37			U
	PEPA	267239-61-2	1696.16	2.34	2.34	1.27	1.27			
	PFECA-G	801212-59-8	ND	ND	<LOD	0.269	1.27			U
	PFEESA	113507-82-7	ND	ND	<LOD	0.212	0.566			U
	PFHxDA	67905-19-5	ND	ND	<LOD	1.27	1.27			U
	PFMOBA	863090-89-5	ND	ND	<LOD	1.27	1.27			U
	PFOSDA	38492-91-6	ND	ND	<LOD	1.34	1.34			U
	PMPA	13140-29-9	4774.28	6.76	6.76	1.27	1.27			
ES	MPFBA		5058.50	7.18				20-150%	101.2%	
	M5PFPeA		7124.30	10.1				20-150%	142.5%	
	M3PFBS		11356.54	16.1				20-150%	227.1%	Q
	M2-4.2 FTS		17242.99	24.4				20-150%	344.9%	Q
	M5PFHxA		3958.78	5.60				20-150%	78.1%	
	M3HFPO-DA		4282.33	6.03				20-150%	85.2%	
	M4PFHpA		4598.69	6.51				20-150%	92.0%	
	M3PFHxS		6767.08	9.60				20-150%	135.7%	
	M2-6.2 FTS		7828.70	11.1				20-150%	156.6%	Q
	M8PFOA		5182.56	7.53				20-150%	103.7%	
	M9PFNA		4461.84	6.31				20-150%	88.2%	
	M8PFOS		4588.31	6.49				20-150%	91.8%	
	M2-8.2 FTS		6297.93	8.91				20-150%	128.0%	
	M8FOSA-I		3892.52	5.18				20-150%	73.3%	
	M6PFDA		4412.38	6.24				20-150%	82.2%	
	d3-N-MeFOSAA		5039.45	7.13				20-150%	100.8%	
	d5-N-EtFOSAA		4802.70	6.79				20-150%	96.1%	
	M7PFUnDA		3065.73	4.34				20-150%	61.3%	
	M9PFDA		2016.86	2.85				20-150%	40.3%	
	M2PFTeDA		554.06	0.784				20-150%	11.1%	Q
	d3-N-MeFOSA		96.67	0.137				10-200%	1.0%	Q
	d5-N-EtFOSA		30.32	0.0429				10-200%	0.3%	Q
d7-N-MeFOSE		1441.28	2.04				10-200%	14.4%		
d8-N-EtFOSE		1026.86	1.45				10-200%	10.3%		
M2PFHxDA		218.12	0.309				10-200%	4.4%	Q	

Enthalpy Analytical

Job No.: 0522-820-1 PFAS by Isotope Dilution (non-potable water)
 Pender County Client Project: N/A

Enthalpy ID	0522-820-002-1	Prep Batch	EU13523	Sample Vol (mL)	284.21
Sample Name	CFE	Prep Date	2022-05-26 15:00	Extract Vol (mL)	0.4
Matrix	Aqueous	Analysis Date	2022-08-17 05:46	Split Factor	N/A
Sampling Date	20220525 00:00	Analyst	avheadrick	Method Code	VM-026
Received Date	2022-05-25 18:35	Instrument	Aragom	Sample Type	Sample

	Compound	CAS	Extract Concentration ng/L	Sample Concentration ng/L	Formatted Result ng/L	LOD ng/L	LOQ ng/L	Recovery Limits	Recovery	Flags
Acids	PFBA	375-22-4	3409.95	4.90	4.80	0.135	0.563			
	PFPeA	2708-80-3	6516.81	9.17	9.17	0.150	0.563			
	PFHxA	307-24-4	5722.09	8.05	8.05	0.170	0.563			
	PFHpA	375-85-9	2881.39	3.77	3.77	0.107	0.563			
	PFOA	335-67-1	4202.79	5.92	5.92	0.156	0.563			
	PFNA	375-85-1	588.21	0.642	0.642	0.0669	0.563			
	PFDA	335-76-2	253.93	0.357	0.357	0.0743	0.563			
	PFUnDA	2058-94-8	69.03	0.0672	<LOD	0.163	0.563			J
	PFDoDA	307-55-1	ND	ND	<LOD	0.178	0.563			U
	PFTeDA	72829-94-8	ND	ND	<LOD	0.133	0.563			U
Sulfonates	PFtDA	378-08-7	ND	ND	<LOD	0.162	0.563			U
	PFBS	375-73-5	3705.60	5.22	5.22	0.312	0.667			
	PFPeS	2708-91-4	748.34	1.05	1.05	0.181	0.530			
	PFHxS	365-46-4	4037.00	5.68	5.68	0.168	0.516			
	PFHpS	375-82-8	ND	ND	<LOD	0.119	0.536			J
	PFOS	1763-23-1	9753.10	13.7	13.7	0.141	0.521			
	PFNS	68258-12-1	ND	ND	<LOD	0.0760	0.542			U
	PFDS	335-77-3	ND	ND	<LOD	0.169	0.542			U
	4:2 FTS	757124-72-4	ND	ND	<LOD	0.104	0.527			U
	6:2 FTS	27819-97-2	267.62	0.377	0.377	0.102	0.536			J
Other	8:2 FTS	39106-34-4	ND	ND	<LOD	0.150	0.539			U
	PFOA	754-91-8	93.65	0.132	0.132	0.114	0.563			J
	N-MeFOSAA	2355-31-9	ND	ND	<LOD	0.127	0.663			U
	N-EtFOSAA	2891-50-6	ND	ND	<LOD	0.0959	0.663			U
	HFPO-DA	13252-13-8	3378.83	4.76	4.76	0.201	0.563			
	PFMOA	874-13-5	20650.89	29.3	29.3	1.27	1.27			E
	PFMOPrA	377-73-1	ND	ND	<LOD	0.211	0.563			U
	PF2OHxA	39492-88-1	4842.31	6.53	6.53	1.27	1.27			
	PF3OxA	39492-88-2	1133.00	1.59	1.59	1.27	1.27			
	PF4OxA	39492-88-5	455.52	0.642	<LOD	1.34	1.34			U
	Nafion Byproduct 1	29311-67-9	ND	ND	<LOD	0.267	0.563			U
	ADONA	819005-14-4	ND	ND	<LOD	0.106	0.533			U
	9Cl-PF3OUds	766426-58-1	ND	ND	<LOD	0.106	0.524			U
	11Cl-PF3OUds	763051-92-9	ND	ND	<LOD	0.106	0.530			U
	10:2 FTS	120226-60-0	ND	ND	<LOD	0.211	0.563			U
	FBSA	30334-89-1	643.20	0.905	0.905	0.211	0.563			
	Nafion Byproduct 2	748836-20-2	313.08	0.441	0.441	0.267	0.563			J
	N-EtFOA	4151-50-2	ND	ND	<LOD	0.211	0.563			U
	N-EtFOSE	1681-89-2	ND	ND	<LOD	6.33	6.33			U
	NFDHA	151772-88-6	ND	ND	<LOD	0.211	0.563			U
	N-MeFOA	31506-32-8	ND	ND	<LOD	0.211	0.563			U
	N-MeFOSE	24448-09-7	ND	ND	<LOD	6.33	6.33			U
	PEPA	267239-61-2	1809.11	2.28	2.28	1.27	1.27			
	PFECA-G	801212-59-9	ND	ND	<LOD	0.267	1.27			U
	PFEESA	113507-82-7	ND	ND	<LOD	0.211	0.563			U
	PFHxDA	87805-19-5	ND	ND	<LOD	1.27	1.27			U
	PFMOBA	863090-89-5	ND	ND	<LOD	1.27	1.27			U
	PFOSDA	39492-91-6	ND	ND	<LOD	1.34	1.34			U
PMPA	13140-29-9	4947.78	6.96	6.88	1.27	1.27				
ES	MPFBA		6022.75	7.07				20-150%	100.5%	
	M6PFPeA		6346.24	8.93				20-150%	126.8%	
	M3PFBS		8708.44	12.3				20-150%	174.1%	Q
	M2:4:2 FTS		13598.81	19.1				20-150%	272.0%	Q
	M6PFHxA		4293.88	6.03				20-150%	85.7%	
	M3HFPO-DA		4987.71	8.88				20-150%	97.8%	
	M4PFHpA		4951.59	6.97				20-150%	99.0%	
	M3PFHxS		5966.59	9.44				20-150%	119.6%	
	M2:6:2 FTS		6915.64	9.73				20-150%	138.3%	
	M8PFOA		6283.13	7.44				20-150%	105.7%	
	M9PFNA		6058.85	7.12				20-150%	101.2%	
	M8PFOS		4558.78	6.42				20-150%	91.2%	
	M2:8:2 FTS		6763.88	9.52				20-150%	135.3%	
	M8FOSA-I		3762.40	5.30				20-150%	75.2%	
	M6PFDA		5198.00	7.31				20-150%	103.9%	
	d3-N-MeFOSAA		5462.40	7.69				20-150%	109.2%	
	d5-N-EtFOSAA		5163.34	7.27				20-150%	103.3%	
	M7PFUdA		3905.01	5.39				20-150%	76.1%	
	MPFDeA		3299.06	4.64				20-150%	66.0%	
	M2PFTeDA		1798.02	2.53				20-150%	35.9%	
d3-N-MeFOA		379.14	0.534				10-200%	3.8%	Q	
d5-N-EtFOA		198.48	0.277				10-200%	2.0%	Q	
d7-N-MeFOSE		3427.23	4.82				10-200%	34.3%		
d8-N-EtFOSE		2827.59	3.89				10-200%	28.3%		
M2PFHxDA		1150.75	1.62				10-200%	23.0%		

Enthalpy Analytical

Job No.: 0522-820-1 PFAS by Isotope Dilution (non-potable water)
 Pender County Client Project: N/A

Enthalpy ID 0522-820-003-1
 Sample Name Pre-CW
 Matrix Aqueous
 Sampling Date 20220525 00:00
 Received Date 2022-05-25 18:35

Prep Batch EU13523
 Prep Date 2022-05-26 15:00
 Analysis Date 2022-06-17 06:08
 Analyst avheadrick
 Instrument Aragon

Sample Vol (mL) 281.89
 Extract Vol (mL) 0.4
 Split Factor N/A
 Method Code VM-026
 Sample Type Sample

	Compound	CAS	Extract Concentration ng/L	Sample Concentration ng/L	Formatted Result ng/L	LOD ng/L	LOQ ng/L	Recovery Limits	Recovery	Flags
Acids	PFBA	375-22-4	3250.88	4.81	4.81	0.138	0.568			
	PFPeA	2706-90-3	5120.14	7.27	7.27	0.151	0.568			
	PFHxA	307-24-4	3566.80	5.06	5.06	0.171	0.568			
	PFHpA	375-85-9	1085.62	1.54	1.54	0.108	0.568			
	PFOA	335-67-1	1321.71	1.88	1.88	0.157	0.568			
	PFNA	375-85-1	106.07	0.151	0.151	0.0675	0.568			J
	PFDA	335-76-2	7.50	0.0106	<LOD	0.0749	0.568			U
	PFUnDA	2068-84-8	ND	ND	<LOD	0.164	0.568			U
	PFDoDA	907-55-1	ND	ND	<LOD	0.179	0.568			U
	PFTeDA	72828-84-8	ND	ND	<LOD	0.134	0.568			U
Sulfonates	PFTeDA	378-06-7	ND	ND	<LOD	0.193	0.568			U
	PFBS	375-73-5	1535.30	2.18	2.18	0.315	0.683			
	PFPeS	2706-91-4	204.55	0.290	0.290	0.183	0.535			J
	PFHxS	355-46-4	978.49	1.39	1.39	0.169	0.520			
	PFHpS	375-92-8	43.55	0.0618	<LOD	0.120	0.541			U
	PFOS	1763-23-1	923.73	1.31	1.31	0.142	0.526			
	PFNS	88258-12-1	ND	ND	<LOD	0.0786	0.547			U
	PFDS	335-77-3	ND	ND	<LOD	0.170	0.547			U
	4:2 FTS	757124-72-4	ND	ND	<LOD	0.105	0.532			U
	6:2 FTS	27819-87-2	14.08	0.0200	<LOD	0.103	0.541			U
Other	8:2 FTS	39108-34-4	ND	ND	<LOD	0.152	0.544			U
	PFOA	764-81-6	69.30	0.0983	<LOD	0.115	0.568			U
	N-MeFOSAA	2355-31-8	ND	ND	<LOD	0.128	0.588			U
	N-EtFOSAA	2861-50-6	ND	ND	<LOD	0.0987	0.568			U
	HFPO-DA	13252-13-6	2214.94	3.14	3.14	0.202	0.568			
	PFMOAA	674-13-5	14378.55	20.4	20.4	1.28	1.28			E
	PFMOPrA	377-73-1	24.73	0.0351	<LOD	0.213	0.568			U
	PFO2HxA	39492-98-1	4527.43	6.42	6.42	1.28	1.28			
	PFO3QA	39492-89-2	663.68	0.942	<LOD	1.28	1.28			U
	PFO4DA	39492-90-5	278.83	0.366	<LOD	1.35	1.35			U
	Nafion Byproduct 1	26311-67-8	ND	ND	<LOD	0.270	0.568			U
	ADONA	918005-14-4	ND	ND	<LOD	0.106	0.538			U
	9CI-PF3ONS	758426-58-1	ND	ND	<LOD	0.106	0.529			U
	11CI-PF3OUdS	763051-82-9	ND	ND	<LOD	0.106	0.535			U
	10:2 FTS	120226-80-0	ND	ND	<LOD	0.213	0.688			U
	FBSA	30334-69-1	130.58	0.185	<LOD	0.213	0.568			U
	Nafion Byproduct 2	748836-20-2	118.21	0.168	<LOD	0.270	0.568			U
	N-EtFOA	4151-50-2	ND	ND	<LOD	0.213	0.588			U
	N-EtFOSE	1661-99-2	ND	ND	<LOD	6.39	6.39			U
	NFDHA	151772-58-6	ND	ND	<LOD	0.213	0.588			U
N-MeFOA	31506-32-8	ND	ND	<LOD	0.213	0.568			U	
N-MeFOSE	24448-09-7	ND	ND	<LOD	6.39	6.39			U	
PEPA	287239-61-2	876.37	1.24	<LOD	1.28	1.28			U	
PFECr-G	801212-89-9	ND	ND	<LOD	0.270	1.28			U	
PFEEA	113507-82-7	ND	ND	<LOD	0.213	0.568			U	
PFHxDA	87905-18-5	ND	ND	<LOD	1.28	1.28			U	
PFMOBA	863080-89-5	ND	ND	<LOD	1.29	1.28			U	
PFOSDA	39492-91-6	ND	ND	<LOD	1.35	1.35			U	
PMPA	13140-29-9	4276.58	6.07	6.07	1.28	1.28				
ES	MPFBA		5068.53	7.24				20-150%	102.0%	
	M6PFPeA		5364.45	7.61				20-150%	107.3%	
	M3PFBS		5531.55	7.85				20-150%	110.6%	
	M2-4:2 FTS		10017.98	14.2				20-150%	200.4%	Q
	M5PFHxA		4023.80	5.71				20-150%	80.5%	
	M3HFPO-DA		4981.76	6.90				20-150%	87.2%	
	M4PFHpA		4918.51	6.98				20-150%	98.4%	
	M3PFHxS		6681.72	9.48				20-150%	133.8%	
	M2-6:2 FTS		8449.19	12.0				20-150%	169.0%	Q
	M8PFOA		5123.17	7.27				20-150%	102.5%	
	M8PFNA		5087.36	7.22				20-150%	101.7%	
	M8PFOS		5497.95	7.80				20-150%	110.0%	
	M2-8:2 FTS		9052.19	11.4				20-150%	161.0%	Q
	M8FOSA-I		4353.76	6.18				20-150%	87.1%	
	M6PFDA		5900.27	7.80				20-150%	110.8%	
	d3-N-MeFOSAA		6837.27	9.42				20-150%	132.7%	
	d5-N-EtFOSAA		6334.42	8.89				20-150%	128.7%	
	M7PFUdA		3944.27	5.45				20-150%	76.9%	
	MPFDoA		3059.51	4.34				20-150%	61.2%	
	M2PFTeDA		1349.52	1.91				20-150%	27.0%	
d3-N-MeFOA		113.12	0.161				10-200%	1.1%	Q	
d5-N-EtFOA		48.15	0.0697				10-200%	0.5%	Q	
d7-N-MeFOSE		3807.18	5.54				10-200%	38.1%		
d8-N-EtFOSE		3826.67	5.57				10-200%	38.3%		
M2PFHxDA		779.43	1.11				10-200%	15.6%		

Enthalpy Analytical

Job No.: 0622-820-1 PFAS by Isotope Dilution (non-potable water)
 Pender County Client Project: N/A

Enthalpy ID 0622-820-004-1
 Sample Name Post-CW
 Matrix Aqueous
 Sampling Date 20220525 00:00
 Received Date 2022-05-25 18:35

Prep Batch EU13523
 Prep Date 2022-05-26 15:00
 Analysis Date 2022-06-17 06:31
 Analyst avheadrick
 Instrument Aragon

Sample Vol (mL) 286.54
 Extract Vol (mL) 0.4
 Split Factor N/A
 Method Code VM-026
 Sample Type Sample

	Compound	CAS	Extract Concentration ng/L	Sample Concentration ng/L	Formatted Result ng/L	LOD ng/L	LOQ ng/L	Recovery Limits	Recovery	Flags
Acids	PFBA	375-22-4	2460.59	3.43	3.43	0.133	0.568			
	PFPeA	2706-90-3	3335.99	4.66	4.66	0.148	0.568			
	PFHxA	307-24-4	2847.36	3.70	3.70	0.188	0.568			
	PFHpA	378-85-8	781.27	1.09	1.09	0.108	0.568			
	PFOA	336-67-1	962.28	1.34	1.34	0.154	0.568			
	PFNA	375-85-1	96.62	0.135	0.135	0.0884	0.568			J
	PFDA	335-76-2	6.51	0.00909	<LOD	0.0737	0.568			U
	PFUnDA	2058-84-8	ND	ND	<LOD	0.161	0.568			U
	PFDoDA	307-55-1	ND	ND	<LOD	0.176	0.568			U
	PFTeDA	72626-94-8	ND	ND	<LOD	0.132	0.568			U
Sulfonates	PFTeDA	378-04-7	ND	ND	<LOD	0.190	0.568			U
	PFBS	375-73-6	1356.30	1.89	1.89	0.310	0.852			
	PFPeS	2706-91-4	218.10	0.304	0.304	0.180	0.526			J
	PFHxS	366-48-4	801.25	1.12	1.12	0.187	0.511			
	PFHpS	375-92-8	ND	ND	<LOD	0.118	0.532			U
	PFOS	1763-23-1	853.91	1.19	1.19	0.140	0.517			
	PFNS	68256-12-1	ND	ND	<LOD	0.0754	0.538			U
	PFDS	338-77-3	ND	ND	<LOD	0.168	0.538			U
	4:2 FTS	757124-72-4	ND	ND	<LOD	0.103	0.523			U
	6:2 FTS	27816-87-2	42.82	0.0698	<LOD	0.101	0.532			U
Other	8:2 FTS	59108-34-4	ND	ND	<LOD	0.149	0.535			U
	PFOA	754-81-6	103.20	0.144	0.144	0.113	0.858			J
	N-MeFOSAA	2355-31-9	ND	ND	<LOD	0.126	0.568			U
	N-EFOSAA	2891-60-6	ND	ND	<LOD	0.0951	0.668			U
	HFPO-DA	13252-13-6	1975.59	2.76	2.76	0.199	0.568			
	PFMOAA	674-13-5	12262.07	17.2	17.2	1.26	1.28			E
	PFMOPrA	377-73-1	ND	ND	<LOD	0.208	0.568			U
	PFOzHxA	39492-88-1	3642.20	5.08	5.08	1.26	1.26			
	PFOzQA	39492-88-2	413.45	0.577	<LOD	1.26	1.26			U
	PFOzDA	39492-90-5	ND	ND	<LOD	1.33	1.33			U
	Nafion Byproduct 1	28311-87-8	ND	ND	<LOD	0.265	0.568			U
	ADONA	918005-14-4	ND	ND	<LOD	0.105	0.529			U
	6Cl-PF3ONS	766426-58-1	ND	ND	<LOD	0.105	0.520			U
	11Cl-PF3OUds	763051-82-8	ND	ND	<LOD	0.105	0.528			U
	10:2 FTS	120226-80-0	ND	ND	<LOD	0.209	0.568			U
	FBSA	30334-89-1	98.40	0.137	<LOD	0.209	0.568			U
	Nafion Byproduct 2	749836-20-2	123.97	0.173	<LOD	0.265	0.568			U
	N-EFOSA	4151-50-2	ND	ND	<LOD	0.209	0.568			U
	N-EFOSE	1691-99-2	ND	ND	<LOD	6.28	6.28			U
	NFDHA	161772-58-6	ND	ND	<LOD	0.209	0.568			U
	N-MeFOSA	31608-32-8	ND	ND	<LOD	0.209	0.568			U
	N-MeFOSE	24448-09-7	ND	ND	<LOD	6.28	6.28			U
	PEPA	267239-61-2	697.78	0.874	<LOD	1.28	1.28			U
	PFECA-G	801212-69-8	ND	ND	<LOD	0.265	1.26			U
	PFRESA	113507-82-7	ND	ND	<LOD	0.209	0.568			U
	PFHxDA	67905-19-5	ND	ND	<LOD	1.26	1.28			U
	PFMOBA	863090-89-5	ND	ND	<LOD	1.26	1.28			U
	PFOSDA	39492-91-6	ND	ND	<LOD	1.33	1.33			U
PMPA	13140-29-9	3872.74	5.41	5.41	1.28	1.28				
ES	MFFBA		5594.28	7.91				20-150%	111.9%	
	M5PFPeA		5268.35	7.38				20-150%	105.8%	
	M3PFBS		5543.19	7.74				20-150%	110.9%	
	M2-4:2 FTS		9854.27	13.5				20-150%	193.1%	Q
	M5PFHxA		4347.78	8.07				20-150%	87.0%	
	M3-HFOQ-DA		5443.33	7.60				20-150%	108.9%	
	M4PFHpA		5578.26	7.79				20-150%	111.8%	
	M3PFHxS		7244.76	10.1				20-150%	144.8%	
	M2-6:2 FTS		8018.61	11.2				20-150%	160.4%	Q
	M8PFOA		5735.62	8.01				20-150%	114.7%	
	M9PFNA		6568.53	7.90				20-150%	113.1%	
	M8PFOS		5878.68	7.93				20-150%	113.6%	
	M2-8:2 FTS		7871.48	10.7				20-150%	153.4%	Q
	M8FOSA-I		5260.08	7.34				20-150%	105.2%	
	M6PFDA		5703.88	7.96				20-150%	114.1%	
	d3-N-MeFOSAA		6764.11	9.44				20-150%	135.3%	
	d5-N-EFOSAA		6240.86	8.71				20-150%	124.8%	
	M7PFUnDA		4482.98	6.28				20-150%	89.7%	
	MPPFOA		3866.44	5.16				20-150%	73.5%	
	M2PFTeDA		2004.27	2.80				20-150%	40.1%	
	d3-N-MeFOSA		1408.83	1.97				10-200%	14.1%	
	d5-N-EFOSA		960.85	1.34				10-200%	6.6%	Q
d7-N-MeFOSE		6859.06	9.71				10-200%	68.6%		
d8-N-EFOSE		6561.35	9.18				10-200%	65.6%		
M2PFHxDA		1855.22	2.31				10-200%	33.1%		