

Pender County

605 E. Fremont Street
Burgaw, NC 28425

Surface Water Treatment Plant – Pender County
Samples Received: 07/29/20

Analytical Report
0720-791

Isotope Dilution Method
PFAS (49) List



Enthalpy Analytical, LLC – Ultratrace

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Enthalpy Analytical

Job No. 0720-791 PFAS by Isotope Dilution (non-potable water)
 Pender County Site: Surface Water Treatment Plant, Pender County

Enthalpy ID MB-11054-PFAS Prep Batch EU11054 Sample Vol (mL) 250
 Sample Name MB-11054-PFAS Prep Date 2020-08-01 Extract Vol (mL) 0.4
 Matrix Analysis Date 2020-08-01 Dilution Factor 1
 Sampling Date

	Compound	CAS	Extract Concentration ng/L	Sample Concentration ng/L	Formatted Result ng/L	LOD ng/L	LOQ ng/L	Recovery	Flags	
Acids	PFBA	375-22-4	ND	ND	<LOD	0.157	1.16		U	
	PFPeA	2708-80-3	ND	ND	<LOD	0.0888	1.16		U	
	PFHxA	307-24-4	ND	ND	<LOD	0.158	1.16		U	
	PFHpA	375-85-9	ND	ND	<LOD	0.0895	1.16		U	
	PFOA	335-87-1	91.13	0.148	0.148	0.0795	1.16		J	
	PFNA	375-85-1	ND	ND	<LOD	0.0509	1.16		U	
	PFDA	335-76-2	ND	ND	<LOD	0.125	1.16		U	
	PFUnDA	2058-94-8	ND	ND	<LOD	0.0481	1.16		U	
	PFDoDA	307-55-1	ND	ND	<LOD	0.0475	1.16		U	
	PFTeDA	72828-84-8	ND	ND	<LOD	0.0745	1.16		U	
	PFTeDA	376-08-7	ND	ND	<LOD	0.0830	1.16		U	
	Sulfonates	PFBS	375-73-5	ND	ND	<LOD	0.0830	1.16		U
		PFPeS	2706-91-4	ND	ND	<LOD	0.0890	1.16		U
PFHxS		355-48-4	ND	ND	<LOD	0.0827	1.16		U	
PFHpS		375-82-6	ND	ND	<LOD	0.0778	1.16		U	
PFOS		1783-23-1	ND	ND	<LOD	0.0471	1.16		U	
PFNS		66259-12-1	ND	ND	<LOD	0.0654	1.16		U	
PFDS		335-77-3	ND	ND	<LOD	0.135	1.16		U	
4:2 FTS		757124-72-4	ND	ND	<LOD	0.0646	1.16		U	
6:2 FTS		27819-67-2	70.43	0.113	0.113	0.0723	1.16		J	
8:2 FTS		39108-34-4	ND	ND	<LOD	0.0568	1.16		U	
Other	PFOSA	754-91-8	ND	ND	<LOD	0.395	1.16		U	
	N-MeFOSAA	2385-31-9	ND	ND	<LOD	0.0544	1.16		U	
	N-EtFOSAA	2981-50-6	ND	ND	<LOD	0.0651	1.16		U	
	HFPO-DA	13252-13-8	ND	ND	<LOD	0.0951	1.16		U	
	PFMOAA	674-13-5	ND	ND	<LOD	1.48	2.00		U	
	PFMOPrA	377-73-1	ND	ND	<LOD	0.240	1.27		U	
	PFO2HxA	38492-88-1	ND	ND	<LOD	1.48	1.48		U	
	PFO3OA	39492-89-2	ND	ND	<LOD	1.48	1.48		U	
	PFO4DA	39492-90-5	ND	ND	<LOD	1.48	1.48		U	
	Nafion Byproduct 1	29311-67-9	ND	ND	<LOD	0.240	1.27		U	
	ADONA	918005-14-4	ND	ND	<LOD	0.120	1.27		U	
	9Cl-PF3ONS	758426-58-1	ND	ND	<LOD	0.120	1.27		U	
	11Cl-PF3OUdS	763051-92-8	ND	ND	<LOD	0.120	1.27		U	
	10:2 FTS	120226-60-8	ND	ND	<LOD	0.240	1.27		U	
	FBSA	30334-88-1	ND	ND	<LOD	0.240	1.27		U	
	N-EtFOA	4151-50-2	ND	ND	<LOD	0.240	1.27		U	
	N-EtFOSE	1691-89-2	ND	ND	<LOD	7.20	7.20		U	
	N-MeFOA	31506-32-8	ND	ND	<LOD	0.240	1.27		U	
	N-MeFOSE	24448-08-7	ND	ND	<LOD	7.20	7.20		U	
	Nafion Byproduct 2	748836-20-2	ND	ND	<LOD	1.48	1.48		U	
	NFDHA	151772-58-8	ND	ND	<LOD	0.240	1.27		U	
	PEPA		ND	ND	<LOD	1.48	1.48		U	
	PFECA-G	801212-59-9	ND	ND	<LOD	1.48	1.48		U	
	PFEESA	113507-82-7	ND	ND	<LOD	0.240	1.27		U	
	PFHxDA	67905-18-5	ND	ND	<LOD	1.48	1.48		U	
	PFMOBA	863090-89-5	ND	ND	<LOD	1.48	1.48		U	
	PFOSDA	39492-81-6	ND	ND	<LOD	3.01	3.01		U	
	PMPA	13140-29-9	ND	ND	<LOD	1.48	1.48		U	
	ES	MPFBA		4952.34	7.82				95.4%	
		MSPFPeA		5146.60	8.23				94.1%	
		M3PFBS		4708.84	7.53				95.3%	
		M2-4:2 FTS		4808.74	7.85				82.3%	
		M5PFHxA		5219.22	8.35				96.1%	
M3HFPO-DA			6244.94	9.89				112.6%		
M4PFHpA			5075.62	8.12				81.1%		
M3PFHxS			5559.43	8.90				92.5%		
M2-6:2 FTS			4584.13	7.33				88.6%		
M8PFOA			5020.29	8.03				88.8%		
M6PFNA			4721.88	7.56				83.6%		
M8PFOS			5003.36	8.01				82.2%		
M2-8:2 FTS			4956.00	7.93				88.9%		
M8FOSA-I			3751.32	6.00				81.9%		
M6PFDA			4858.07	7.77				83.5%		
d3-N-MeFOSAA			5115.22	8.18				86.5%		
d5-N-EtFOSAA			4769.95	7.83				78.4%		
M7PFUDA			4467.85	7.15				79.8%		
MPPFOA			4016.37	6.43				76.2%		
M2PFTeDA			3015.95	4.83				58.3%		