

Pender County

605 E. Fremont Street
Burgaw, NC 28425

Samples Received: 02/11/2020

Analytical Report 0220-713

PFAS by Isotope Dilution
Legacy 24 + Gen-X (HFPO-DA), PFMOAA



Enthalpy Analytical, LLC – Ultratrace

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Enthalpy Analytical

Job No.: 0220-713-1 PFAS by Isotope Dilution (non-potable water)

Pender County

Enthalpy ID	0220-713-001-1	Prep Batch	EU10688	Sample Vol (mL)	286.85
Sample Name	Annex	Prep Date	2020-02-12	Extract Vol (mL)	0.4
Matrix	Aqueous	Analysis Date	2020-02-12	Dilution Factor	1
Sampling Date	20200210 00:00				

	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	ND	0.137	0.209		U
	PFPeA	2706-90-3	ND	ND	ND	0.0782	0.209		U
	PFHxA	307-24-4	ND	ND	ND	0.137	0.209		U
	PFHpA	375-85-9	ND	ND	ND	0.0606	0.209		U
	PFOA	335-67-1	ND	ND	ND	0.0693	0.209		U
	PFNA	375-95-1	ND	ND	ND	0.0444	0.209		U
	PFDA	335-76-2	ND	ND	ND	0.109	0.209		U
	PFUnDA	2058-94-8	ND	ND	ND	0.0419	0.209		U
	PFDoDA	307-55-1	ND	ND	ND	0.0414	0.209		U
	PFTTrDA	72629-94-8	ND	ND	ND	0.0649	0.209		U
	PFTTeDA	376-06-7	ND	ND	ND	0.0723	0.209		U
Sulfonates	PFBS	375-73-5	ND	ND	ND	0.0723	0.209		U
	PFPeS	2706-91-4	ND	ND	ND	0.0863	0.209		U
	PFHxS	355-46-4	ND	ND	ND	0.0721	0.209		U
	PFHpS	375-92-8	ND	ND	ND	0.0679	0.209		U
	PFOS	1763-23-1	ND	ND	ND	0.0410	0.209		U
	PFNS	68259-12-1	ND	ND	ND	0.0570	0.209		U
	PFDS	335-77-3	ND	ND	ND	0.118	0.209		U
	4:2 FTS	757124-72-4	ND	ND	ND	0.0563	0.209		U
6:2 FTS	27619-97-2	ND	ND	ND	0.0630	0.209		U	
8:2 FTS	39108-34-4	ND	ND	ND	0.0496	0.209		U	
Other	PFOSA	754-91-6	ND	ND	ND	0.318	0.319		U
	N-MeFOSAA	2355-31-9	ND	ND	ND	0.0474	0.209		U
	N-EiFOSAA	2991-50-6	ND	ND	ND	0.0567	0.209		U
	HFPO-DA	13252-13-6	ND	ND	ND	2.90	7.32		U
	PFMOAA	674-13-5	ND	ND	ND	0.436	1.74		U
ES	MPFBA		5343.01	7.45				10.5%	Q
	M5PFPeA		9621.05	13.4				18.5%	Q
	M3PFBS		34538.50	48.2				71.7%	
	M2-4:2 FTS		77304.45	108				178.9%	Q
	M5PFHxA		2790.32	3.89				42.8%	
	M3HFPO-DA		74940.11	105				110.9%	
	M4PFHpA		4487.42	6.26				68.1%	
	M3PFHxS		5250.49	7.32				90.1%	
	M2-6:2 FTS		93447.90	130				223.4%	Q
	M8PFOA		5411.10	7.55				84.5%	
	M9PFNA		5313.00	7.41				82.6%	
	M8PFOS		5289.51	7.38				87.7%	
	M2-8:2 FTS		6767.67	9.44				184.0%	Q
	M8FOSA-I		4202.26	5.86				76.7%	
	M6PFDA		5208.81	7.26				95.1%	
	d3-N-MeFOSAA		5365.37	7.48				107.9%	
	d5-N-EiFOSAA		6266.61	8.74				103.4%	
M7PFUDa		5784.42	8.07				106.7%		
MPFDa		5290.89	7.38				115.3%		
M2PFTTeDA		3978.40	5.55				65.3%		

Enthalpy Analytical

Job No.: 0220-713-1 PFAS by Isotope Dilution (non-potable water)

Pender County

Enthalpy ID	0220-713-002-1	Prep Batch	EU10688	Sample Vol (mL)	281.58
Sample Name	Kiwanis	Prep Date	2020-02-12	Extract Vol (mL)	0.4
Matrix	Aqueous	Analysis Date	2020-02-12	Dilution Factor	1
Sampling Date	20200210 00:00				

	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	ND	0.140	0.213		U
	PFPeA	2706-90-3	ND	ND	ND	0.0797	0.213		U
	PFHxA	307-24-4	ND	ND	ND	0.140	0.213		U
	PFHpA	375-85-9	ND	ND	ND	0.0617	0.213		U
	PFOA	335-67-1	ND	ND	ND	0.0705	0.213		U
	PFNA	375-95-1	ND	ND	ND	0.0452	0.213		U
	PFDA	335-76-2	ND	ND	ND	0.111	0.213		U
	PFUnDA	2058-94-8	ND	ND	ND	0.0427	0.213		U
	PFDoDA	307-55-1	ND	ND	ND	0.0422	0.213		U
	PFTTrDA	72629-94-8	ND	ND	ND	0.0661	0.213		U
Sulfonates	PFTeDA	376-06-7	ND	ND	ND	0.0737	0.213		U
	PFBS	375-73-5	ND	ND	ND	0.0737	0.213		U
	PFPeS	2706-91-4	ND	ND	ND	0.0879	0.213		U
	PFHxS	355-46-4	ND	ND	ND	0.0734	0.213		U
	PFHpS	375-92-8	ND	ND	ND	0.0692	0.213		U
	PFOS	1763-23-1	ND	ND	ND	0.0418	0.213		U
	PFNS	68259-12-1	ND	ND	ND	0.0581	0.213		U
	PFDS	335-77-3	ND	ND	ND	0.120	0.213		U
Other	4:2 FTS	757124-72-4	ND	ND	ND	0.0574	0.213		U
	6:2 FTS	27619-97-2	ND	ND	ND	0.0642	0.213		U
	8:2 FTS	39108-34-4	ND	ND	ND	0.0505	0.213		U
	PFOSA	754-91-6	ND	ND	ND	0.324	0.325		U
ES	N-MeFOSAA	2355-31-9	ND	ND	ND	0.0483	0.213		U
	N-EtFOSAA	2991-50-6	ND	ND	ND	0.0578	0.213		U
	HFPO-DA	13252-13-6	ND	ND	ND	2.96	7.46		U
	PFMOA	674-13-5	ND	ND	ND	0.444	1.78		U
	MPFBA		5021.91	7.13				13.8%	Q
	M5PFPeA		9070.86	12.9				24.4%	
	M3PFBS		26495.47	37.6				76.9%	
	M2-4:2 FTS		57933.89	82.3				187.5%	Q
	M5PFHxA		2941.61	4.18				49.6%	
	M3HFPO-DA		85615.56	122				139.3%	
	M4PFHpA		4552.48	6.47				75.9%	
	M3PFHxS		4667.68	6.63				85.2%	
	M2-6:2 FTS		63078.04	89.6				210.9%	Q
	M8PFOA		5401.41	7.67				92.7%	
	M9PFNA		5278.26	7.50				90.2%	
	M8PFOS		5465.21	7.76				96.4%	
	M2-8:2 FTS		6253.38	8.88				180.9%	Q
	M8FOSA-I		3767.28	5.35				73.1%	
	M6PFDA		5332.80	7.58				105.4%	
	d3-N-MeFOSAA		5739.90	8.15				122.8%	
d5-N-EtFOSAA		6774.01	9.62				118.9%		
M7PFUDa		6097.31	8.66				121.7%		
MPFDoA		5361.27	7.62				126.5%		
M2PFTeDA		5000.34	7.10				88.8%		