

Pender County

605 E Fremont St
Burgaw, NC 28425-5115

Surface Water Treatment Plant

Client Project# Pre GAC exchange
Samples Received: 3/28/2024

Analytical Report
0324-888

PFAS by Isotope Dilution (non-potable water)
PFAS49 List

Report Issue Date: 4/23/2024

I certify that to the best of my knowledge all analytical data presented in this report have been checked for completeness, accuracy, errors and legibility in addition to having been conducted in accordance with approved protocol, and that all deviations and analytical problems are summarized in the appropriate narrative(s). This analytical report was prepared in Portable Document Format (.PDF) and contains _28_ pages. This report shall not be reproduced except in full without approval of the laboratory. This will provide assurance that parts of the report are not taken out of context.

Amendment(s):

Signature:



Amanda Valois, QA Associate



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Enthalpy Analytical

Job No.: 0324-888-1 PFAS by Isotope Dilution (non-potable water)

Pender County Pre GAC exchange Surface Water Treatment Plant

Enthalpy ID	0324-888-004-1	Prep Batch	EU17164	Sample Vol (mL)	285.75
Sample Name	Raw	Prep Date	2024-04-01 14:36	Extract Vol (mL)	0.4
Matrix	aqueous	Analysis Date	2024-04-02 20:03	Split Factor	N/A
Sampling Date	2024-03-28 12:16	Analyst	wicleve	Method Code	EU-047-NPW
Received Date	2024-03-28	Instrument	Sauron	Sample Type	Sample
		Bottle ID	A		

	Compound	CAS	InjFileName	Formatted Result ng/L	LOD ng/L	LOQ ng/L	Recovery Limits	Recovery	Flags
Acids	PFBA	375-22-4	S020424035	<LOD	0.222	0.560			U
	PFPeA	2706-90-3	S020424035	4.14	0.160	0.560			
	PFHxA	307-24-4	S020424035	4.65	0.187	0.560			
	PFHpA	375-85-9	S020424035	1.74	0.196	0.560			
	PFOA	335-67-1	S020424035	4.19	0.128	0.560			
	PFNA	375-95-1	S020424035	0.433	0.127	0.560			J
	PFDA	335-76-2	S020424035	0.168	0.160	0.560			J
	PFUnDA	2058-94-8	S020424035	<LOD	0.127	0.560			U
	PFDaDA	307-55-1	S020424035	<LOD	0.227	0.560			U
	PFTTrDA	72629-94-8	S020424035	<LOD	0.185	0.560			U
	PFTeDA	376-06-7	S020424035	<LOD	0.213	0.560			U
	PFHxDA	67905-19-5	S020424035	<LOD	0.297	0.560			U
	Sulfonates	PFBS	375-73-5	S020424035	3.30	0.297	0.560		
PFPeS		2706-91-4	S020424035	0.453	0.115	0.528			J
PFHxS		355-46-4	S020424035	2.61	0.432	0.513			
PFHpS		375-92-8	S020424035	<LOD	0.271	0.533			U
PFOS		1763-23-1	S020424035	7.80	0.296	0.519			
PFNS		68259-12-1	S020424035	<LOD	0.174	0.539			U
PFDS		335-77-3	S020424035	<LOD	0.294	0.539			U
4:2 FTS		757124-72-4	S020424035	<LOD	0.0726	0.525			U
6:2 FTS		27619-97-2	S020424035	<LOD	0.264	0.533			U
8:2 FTS		39108-34-4	S020424035	<LOD	0.125	0.536			U
Sulfonamidos	10:2 FTS	120226-60-0	S020424035	<LOD	0.429	0.560			U
	FBSA	30334-69-1	S020424035	<LOD	0.266	0.560			U
	N-EtFOSA	4151-50-2	S020424035	<LOD	0.346	0.560			U
	N-EtFOSAA	2991-50-6	S020424035	<LOD	0.227	0.560			U
	N-EtFOSE	1691-99-2	S020424035	<LOD	0.857	2.52			U
	N-MeFOSA	31506-32-8	S020424035	<LOD	0.231	0.560			U
	N-MeFOSAA	2355-31-9	S020424035	<LOD	0.157	0.560			U
	N-MeFOSE	24448-09-7	S020424035	<LOD	0.532	2.52			U
PFECAs	PFOSA	754-91-6	S020424035	<LOD	0.0786	0.560			U
	ADONA	919005-14-4	S020424035	<LOD	0.152	0.530			U
	HFPO-DA	13252-13-6	S020424035	4.88	0.0593	0.560			
	NFDHA	151772-58-6	S020424035	<LOD	0.118	0.560			U
	PEPA	267239-61-2	S020424035	2.46	0.105	0.560			
	PFECA-G	801212-59-9	S020424035	<LOD	0.0747	0.560			U
	PFMOAA	674-13-5	S020424035	15.1	0.283	0.560			
	PFMOBA	863090-89-5	S020424035	<LOD	0.940	1.26			U
	PFMOPrA	377-73-1	S020424035	<LOD	0.199	0.560			U
	PFO2HxA	39492-88-1	S020424035	<LOD	0.180	0.560			U
	PFO3OA	39492-89-2	S020424035	<LOD	0.257	0.560			U
	PFO4DA	39492-90-5	S020424035	<LOD	0.443	2.80			U
	PFO5DA	39492-91-6	S020424035	<LOD	0.448	2.80			U

Enthalpy Analytical

Job No.: 0324-888-1 PFAS by Isotope Dilution (non-potable water)

Pender County Pre GAC exchange Surface Water Treatment Plant

PFECAs									
PFESAs	PMPA	13140-29-9	S020424035	8.19	0.132	0.560			
	11Cl-PF3OUdS	763051-92-9	S020424035	<LOD	0.264	0.528			U
	9Cl-PF3ONS	756426-58-1	S020424035	<LOD	0.359	0.522			U
	Nafion Byproduct 1 (PS Acid)	29311-67-9	S020424035	<LOD	0.299	0.560			U
	Nafion Byproduct 2 (Hydro-PS Acid)	749836-20-2	S020424035	<LOD	0.464	0.560			U
ES	PFEEESA	113507-82-7	S020424035	<LOD	0.168	0.560			U
	MPFBA		S020424035				20-150%	87.3%	
	M5PFPeA		S020424035				20-150%	121.2%	
	M3PFBS		S020424035				20-150%	221.3%	Q
	M2-4:2 FTS		S020424035				20-150%	159.0%	Q
	M5PFHxA		S020424035				20-150%	77.1%	
	M3HFPO-DA		S020424035				20-150%	59.7%	
	M4PFHpA		S020424035				20-150%	85.3%	
	M3PFHxS		S020424035				20-150%	91.2%	
	M2-6:2 FTS		S020424035				20-150%	123.5%	
	M8PFOA		S020424035				20-150%	94.4%	
	M9PFNA		S020424035				20-150%	97.1%	
	M8PFOS		S020424035				20-150%	93.4%	
	M2-8:2 FTS		S020424035				20-150%	120.1%	
	M8FOSA-I		S020424035				20-150%	80.3%	
	M6PFDA		S020424035				20-150%	91.2%	
	d3-N-MeFOSAA		S020424035				20-150%	103.9%	
	d5-N-EtFOSAA		S020424035				20-150%	95.9%	
	M7PFUdA		S020424035				20-150%	83.5%	
	MPFD _o A		S020424035				20-150%	64.9%	
	M2PFTeDA		S020424035				20-150%	26.1%	
	d3-N-MeFOSA		S020424035				10-200%	6.1%	Q
	d5-N-EtFOSA		S020424035				10-200%	4.8%	Q
	d7-N-MeFOSE		S020424035				10-200%	31.4%	
	d9-N-EtFOSE		S020424035				10-200%	26.5%	

Enthalpy Analytical

Job No.: 0324-888-1 PFAS by Isotope Dilution (non-potable water)

Pender County Pre GAC exchange Surface Water Treatment Plant

Enthalpy ID	0324-888-003-1	Prep Batch	EU17164	Sample Vol (mL)	286.76
Sample Name	CFE	Prep Date	2024-04-01 14:36	Extract Vol (mL)	0.4
Matrix	aqueous	Analysis Date	2024-04-02 19:40	Split Factor	N/A
Sampling Date	2024-03-28 12:14	Analyst	wicleve	Method Code	EU-047-NPW
Received Date	2024-03-28	Instrument	Sauron	Sample Type	Sample
		Bottle ID	A		

	Compound	CAS	InjFileName	Formatted Result ng/L	LOD ng/L	LOQ ng/L	Recovery Limits	Recovery	Flags
Acids	PFBA	375-22-4	S020424034	1.69	0.221	0.558			
	PFPeA	2706-90-3	S020424034	3.63	0.160	0.558			
	PFHxA	307-24-4	S020424034	4.32	0.187	0.558			
	PFHpA	375-85-9	S020424034	2.08	0.195	0.558			
	PFOA	335-67-1	S020424034	4.47	0.128	0.558			
	PFNA	375-95-1	S020424034	0.426	0.126	0.558			J
	PFDA	335-76-2	S020424034	0.172	0.160	0.558			J
	PFUnDA	2058-94-8	S020424034	<LOD	0.126	0.558			U
	PFDoDA	307-55-1	S020424034	<LOD	0.227	0.558			U
	PFTTrDA	72629-94-8	S020424034	<LOD	0.185	0.558			U
	PFTeDA	376-06-7	S020424034	<LOD	0.213	0.558			U
	PFHxDA	67905-19-5	S020424034	<LOD	0.296	0.558			U
	Sulfonates	PFBS	375-73-5	S020424034	3.26	0.296	0.558		
PFPeS		2706-91-4	S020424034	0.550	0.115	0.526			
PFHxS		355-46-4	S020424034	2.48	0.431	0.511			
PFHpS		375-92-8	S020424034	<LOD	0.270	0.532			U
PFOS		1763-23-1	S020424034	8.09	0.295	0.517			
PFNS		68259-12-1	S020424034	<LOD	0.173	0.537			U
PFDS		335-77-3	S020424034	<LOD	0.293	0.537			U
4:2 FTS		757124-72-4	S020424034	<LOD	0.0724	0.523			U
6:2 FTS		27619-97-2	S020424034	<LOD	0.263	0.532			U
8:2 FTS		39108-34-4	S020424034	<LOD	0.125	0.534			U
10:2 FTS	120226-60-0	S020424034	<LOD	0.427	0.558			U	
Sulfonamidos	FBSA	30334-69-1	S020424034	<LOD	0.265	0.558			U
	N-EtFOSA	4151-50-2	S020424034	<LOD	0.345	0.558			U
	N-EtFOSAA	2991-50-6	S020424034	<LOD	0.227	0.558			U
	N-EtFOSE	1691-99-2	S020424034	<LOD	0.854	2.51			U
	N-MeFOSA	31506-32-8	S020424034	<LOD	0.230	0.558			U
	N-MeFOSAA	2355-31-9	S020424034	<LOD	0.157	0.558			U
	N-MeFOSE	24448-09-7	S020424034	<LOD	0.530	2.51			U
	PFOSA	754-91-6	S020424034	0.250	0.0783	0.558			J
PFECAs	ADONA	919005-14-4	S020424034	<LOD	0.151	0.529			U
	HFPO-DA	13252-13-6	S020424034	2.97	0.0591	0.558			
	NFDHA	151772-58-6	S020424034	<LOD	0.117	0.558			U
	PEPA	267239-61-2	S020424034	1.44	0.105	0.558			
	PFECA-G	801212-59-9	S020424034	<LOD	0.0745	0.558			U
	PFMOAA	674-13-5	S020424034	13.3	0.282	0.558			
	PFMOBA	863090-89-5	S020424034	<LOD	0.936	1.26			U
	PFMOPrA	377-73-1	S020424034	<LOD	0.199	0.558			U
	PFO2HxA	39492-88-1	S020424034	<LOD	0.180	0.558			U
	PFO3OA	39492-89-2	S020424034	<LOD	0.256	0.558			U
	PFO4DA	39492-90-5	S020424034	<LOD	0.441	2.79			U
	PFO5DA	39492-91-6	S020424034	<LOD	0.446	2.79			U

Enthalpy Analytical

Job No.: 0324-888-1 PFAS by Isotope Dilution (non-potable water)

Pender County Pre GAC exchange Surface Water Treatment Plant

PFECAs	PMPA	13140-29-9	S020424034	5.35	0.131	0.558			
PFESAs	11Cl-PF3OUdS	763051-92-9	S020424034	<LOD	0.263	0.526			U
	9Cl-PF3ONS	756426-58-1	S020424034	<LOD	0.357	0.520			U
	Nafion Byproduct 1 (PS Acid)	29311-67-9	S020424034	<LOD	0.298	0.558			U
	Nafion Byproduct 2 (Hydro-PS Acid)	749836-20-2	S020424034	<LOD	0.462	0.558			U
	PFEESA	113507-82-7	S020424034	<LOD	0.168	0.558			U
ES	MPFBA		S020424034				20-150%	89.5%	
	M5PFPeA		S020424034				20-150%	122.9%	
	M3PFBS		S020424034				20-150%	199.5%	Q
	M2-4:2 FTS		S020424034				20-150%	147.9%	
	M5PFHxA		S020424034				20-150%	79.4%	
	M3HFPO-DA		S020424034				20-150%	62.4%	
	M4PFHpA		S020424034				20-150%	83.2%	
	M3PFHxS		S020424034				20-150%	97.0%	
	M2-6:2 FTS		S020424034				20-150%	128.3%	
	M8PFOA		S020424034				20-150%	90.5%	
	M9PFNA		S020424034				20-150%	98.9%	
	M8PFOS		S020424034				20-150%	97.4%	
	M2-8:2 FTS		S020424034				20-150%	126.6%	
	M8FOSA-I		S020424034				20-150%	85.3%	
	M6PFDA		S020424034				20-150%	100.6%	
	d3-N-MeFOSAA		S020424034				20-150%	115.8%	
	d5-N-EtFOSAA		S020424034				20-150%	105.0%	
	M7PFUDa		S020424034				20-150%	96.8%	
	MPFDaA		S020424034				20-150%	80.3%	
	M2PFTeDA		S020424034				20-150%	47.1%	
	d3-N-MeFOSA		S020424034				10-200%	9.2%	Q
	d5-N-EtFOSA		S020424034				10-200%	8.4%	Q
	d7-N-MeFOSE		S020424034				10-200%	47.4%	
d9-N-EtFOSE		S020424034				10-200%	41.2%		

Enthalpy Analytical

Job No.: 0324-888-1 PFAS by Isotope Dilution (non-potable water)
 Pender County Pre GAC exchange Surface Water Treatment Plant

Enthalpy ID	0324-888-002-1	Prep Batch	EU17164	Sample Vol (mL)	289.93
Sample Name	Pre CW	Prep Date	2024-04-01 14:36	Extract Vol (mL)	0.4
Matrix	aqueous	Analysis Date	2024-04-02 19:18	Split Factor	N/A
Sampling Date	2024-03-28 12:12	Analyst	wicleve	Method Code	EU-047-NPW
Received Date	2024-03-28	Instrument	Sauron	Sample Type	Sample
		Bottle ID	A		

	Compound	CAS	InjFileName	Formatted Result ng/L	LOD ng/L	LOQ ng/L	Recovery Limits	Recovery	Flags	
Acids	PFBA	375-22-4	S020424033	2.86	0.219	0.552				
	PFPeA	2706-90-3	S020424033	2.20	0.158	0.552				
	PFHxA	307-24-4	S020424033	2.77	0.185	0.552				
	PFHpA	375-85-9	S020424033	1.17	0.193	0.552				
	PFOA	335-67-1	S020424033	1.97	0.126	0.552				
	PFNA	375-95-1	S020424033	<LOD	0.125	0.552			U	
	PFDA	335-76-2	S020424033	<LOD	0.158	0.552			U	
	PFUnDA	2058-94-8	S020424033	<LOD	0.125	0.552			U	
	PFDoDA	307-55-1	S020424033	<LOD	0.224	0.552			U	
	PFTeDA	72629-94-8	S020424033	<LOD	0.183	0.552			U	
	PFTeDA	376-06-7	S020424033	<LOD	0.210	0.552			U	
	PFHxDA	67905-19-5	S020424033	<LOD	0.293	0.552			U	
	Sulfonates	PFBS	375-73-5	S020424033	2.16	0.293	0.552			
		PFPeS	2706-91-4	S020424033	0.161	0.113	0.520			J
PFHxS		355-46-4	S020424033	1.25	0.426	0.505				
PFHpS		375-92-8	S020424033	<LOD	0.267	0.526			U	
PFOS		1763-23-1	S020424033	2.00	0.291	0.511				
PFNS		68259-12-1	S020424033	<LOD	0.171	0.532			U	
PFDS		335-77-3	S020424033	<LOD	0.290	0.532			U	
4:2 FTS		757124-72-4	S020424033	<LOD	0.0716	0.517			U	
6:2 FTS		27619-97-2	S020424033	<LOD	0.260	0.526			U	
8:2 FTS		39108-34-4	S020424033	<LOD	0.124	0.529			U	
Sulfonamidos	10:2 FTS	120226-60-0	S020424033	<LOD	0.423	0.552			U	
	FBSA	30334-69-1	S020424033	<LOD	0.262	0.552			U	
	N-EtFOSA	4151-50-2	S020424033	<LOD	0.341	0.552			U	
	N-EtFOSAA	2991-50-6	S020424033	<LOD	0.224	0.552			U	
	N-EtFOSE	1691-99-2	S020424033	<LOD	0.845	2.48			U	
	N-MeFOSA	31506-32-8	S020424033	<LOD	0.228	0.552			U	
	N-MeFOSAA	2355-31-9	S020424033	<LOD	0.155	0.552			U	
	N-MeFOSE	24448-09-7	S020424033	<LOD	0.524	2.48			U	
PFECAs	PFOSA	754-91-6	S020424033	0.516	0.0774	0.552			J	
	ADONA	919005-14-4	S020424033	<LOD	0.150	0.523			U	
	HFPO-DA	13252-13-6	S020424033	2.09	0.0585	0.552				
	NFDHA	151772-58-6	S020424033	<LOD	0.116	0.552			U	
	PEPA	267239-61-2	S020424033	0.733	0.103	0.552				
	PFECA-G	801212-59-9	S020424033	<LOD	0.0736	0.552			U	
	PFMOAA	674-13-5	S020424033	7.49	0.279	0.552				
	PFMOBA	863090-89-5	S020424033	<LOD	0.926	1.24			U	
	PFMOPrA	377-73-1	S020424033	<LOD	0.197	0.552			U	
	PFO2HxA	39492-88-1	S020424033	<LOD	0.178	0.552			U	
	PFO3OA	39492-89-2	S020424033	<LOD	0.254	0.552			U	
	PFO4DA	39492-90-5	S020424033	<LOD	0.436	2.76			U	
	PFO5DA	39492-91-6	S020424033	<LOD	0.441	2.76			U	

Enthalpy Analytical

Job No.: 0324-888-1 PFAS by Isotope Dilution (non-potable water)

Pender County Pre GAC exchange Surface Water Treatment Plant

PFECAs	MPMA	13140-29-9	S020424033	4.24	0.130	0.552			
PFESAs	11Cl-PF3OUdS	763051-92-9	S020424033	<LOD	0.260	0.520			U
	9Cl-PF3ONS	756426-58-1	S020424033	<LOD	0.354	0.514			U
	Nafion Byproduct 1 (PS Acid)	29311-67-9	S020424033	<LOD	0.295	0.552			U
	Nafion Byproduct 2 (Hydro-PS Acid)	749836-20-2	S020424033	<LOD	0.457	0.552			U
	PFEESA	113507-82-7	S020424033	<LOD	0.166	0.552			U
ES	MPFBA		S020424033				20-150%	89.9%	
	M5PFPeA		S020424033				20-150%	107.7%	
	M3PFBS		S020424033				20-150%	141.4%	
	M2-4:2 FTS		S020424033				20-150%	107.0%	
	M5PFHxA		S020424033				20-150%	77.8%	
	M3HFPO-DA		S020424033				20-150%	64.0%	
	M4PFHpA		S020424033				20-150%	85.1%	
	M3PFHxS		S020424033				20-150%	91.3%	
	M2-6:2 FTS		S020424033				20-150%	113.4%	
	M8PFOA		S020424033				20-150%	99.5%	
	M9PFNA		S020424033				20-150%	102.6%	
	M8PFOS		S020424033				20-150%	95.6%	
	M2-8:2 FTS		S020424033				20-150%	119.1%	
	M8FOSA-I		S020424033				20-150%	87.5%	
	M6PFDA		S020424033				20-150%	99.2%	
	d3-N-MeFOSAA		S020424033				20-150%	109.9%	
	d5-N-EtFOSAA		S020424033				20-150%	107.3%	
	M7PFUdA		S020424033				20-150%	97.2%	
	MPFDoA		S020424033				20-150%	84.0%	
	M2PFTeDA		S020424033				20-150%	75.9%	
	d3-N-MeFOSA		S020424033				10-200%	13.2%	
	d5-N-EtFOSA		S020424033				10-200%	11.8%	
	d7-N-MeFOSE		S020424033				10-200%	55.5%	
d9-N-EtFOSE		S020424033				10-200%	50.5%		

Enthalpy Analytical

Job No.: 0324-888-1 PFAS by Isotope Dilution (non-potable water)
 Pender County Pre GAC exchange Surface Water Treatment Plant

Enthalpy ID	0324-888-001-1	Prep Batch	EU17164	Sample Vol (mL)	289.3
Sample Name	Post CW	Prep Date	2024-04-01 14:36	Extract Vol (mL)	0.4
Matrix	aqueous	Analysis Date	2024-04-02 18:55	Split Factor	N/A
Sampling Date	2024-03-28 12:11	Analyst	wicleve	Method Code	EU-047-NPW
Received Date	2024-03-28	Instrument	Sauron	Sample Type	Sample
		Bottle ID	A		

	Compound	CAS	InjFileName	Formatted Result ng/L	LOD ng/L	LOQ ng/L	Recovery Limits	Recovery	Flags
Acids	PFBA	375-22-4	S020424032	2.48	0.219	0.553			
	PFPeA	2706-90-3	S020424032	3.01	0.158	0.553			
	PFHxA	307-24-4	S020424032	2.95	0.185	0.553			
	PFHpA	375-85-9	S020424032	1.11	0.194	0.553			
	PFOA	335-67-1	S020424032	1.95	0.127	0.553			
	PFNA	375-95-1	S020424032	<LOD	0.125	0.553			U
	PFDA	335-76-2	S020424032	<LOD	0.158	0.553			U
	PFUnDA	2058-94-8	S020424032	<LOD	0.125	0.553			U
	PFDoDA	307-55-1	S020424032	<LOD	0.225	0.553			U
	PFTriDA	72629-94-8	S020424032	<LOD	0.183	0.553			U
	PFTeDA	376-06-7	S020424032	<LOD	0.211	0.553			U
	PFHxDA	67905-19-5	S020424032	<LOD	0.294	0.553			U
	Sulfonates	PFBS	375-73-5	S020424032	2.09	0.294	0.553		
PFPeS		2706-91-4	S020424032	0.209	0.114	0.521			J
PFHxS		355-46-4	S020424032	1.35	0.427	0.506			
PFHpS		375-92-8	S020424032	<LOD	0.268	0.527			U
PFOS		1763-23-1	S020424032	2.10	0.292	0.512			
PFNS		68259-12-1	S020424032	<LOD	0.172	0.533			U
PFDS		335-77-3	S020424032	<LOD	0.290	0.533			U
4:2 FTS		757124-72-4	S020424032	<LOD	0.0717	0.518			U
6:2 FTS		27819-97-2	S020424032	<LOD	0.261	0.527			U
8:2 FTS		39108-34-4	S020424032	<LOD	0.124	0.530			U
10:2 FTS	120226-60-0	S020424032	<LOD	0.423	0.553			U	
Sulfonamidos	FBSA	30334-69-1	S020424032	<LOD	0.263	0.553			U
	N-EtFOSA	4151-50-2	S020424032	<LOD	0.342	0.553			U
	N-EtFOSAA	2991-50-6	S020424032	<LOD	0.225	0.553			U
	N-EtFOSE	1691-99-2	S020424032	<LOD	0.847	2.49			U
	N-MeFOSA	31506-32-8	S020424032	<LOD	0.228	0.553			U
	N-MeFOSAA	2355-31-9	S020424032	<LOD	0.155	0.553			U
	N-MeFOSE	24448-09-7	S020424032	<LOD	0.525	2.49			U
	PFOSA	754-91-6	S020424032	0.282	0.0776	0.553			J
PFECAs	ADONA	919005-14-4	S020424032	<LOD	0.150	0.524			U
	HFPO-DA	13252-13-6	S020424032	2.13	0.0586	0.553			
	NFDHA	151772-58-6	S020424032	<LOD	0.116	0.553			U
	PEPA	267239-61-2	S020424032	0.722	0.104	0.553			
	PFECA-G	801212-59-9	S020424032	<LOD	0.0738	0.553			U
	PFMOAA	674-13-5	S020424032	7.97	0.280	0.553			
	PFMOBA	863090-89-5	S020424032	<LOD	0.928	1.24			U
	PFMOPrA	377-73-1	S020424032	<LOD	0.197	0.553			U
	PFO2HxA	39492-88-1	S020424032	<LOD	0.178	0.553			U
	PFO3OA	39492-89-2	S020424032	<LOD	0.254	0.553			U
	PFO4DA	39492-90-5	S020424032	<LOD	0.437	2.77			U
	PFO5DA	39492-91-6	S020424032	<LOD	0.442	2.77			U

Enthalpy Analytical

Job No.: 0324-888-1 PFAS by Isotope Dilution (non-potable water)

Pender County Pre GAC exchange Surface Water Treatment Plant

PFECAs	PMMA	13140-29-9	S020424032	4.52	0.130	0.553			
PFESAs	11Cl-PF3OUdS	763051-92-9	S020424032	<LOD	0.261	0.521			U
	9Cl-PF3ONS	756426-58-1	S020424032	<LOD	0.354	0.515			U
	Nafion Byproduct 1 (PS Acid)	29311-67-9	S020424032	<LOD	0.296	0.553			U
	Nafion Byproduct 2 (Hydro-PS Acid)	749836-20-2	S020424032	<LOD	0.458	0.553			U
	PFEEESA	113507-82-7	S020424032	<LOD	0.166	0.553			U
ES	MPFBA		S020424032				20-150%	94.4%	
	M5PFPeA		S020424032				20-150%	113.1%	
	M3PFBS		S020424032				20-150%	165.0%	Q
	M2-4:2 FTS		S020424032				20-150%	110.8%	
	M5PFHxA		S020424032				20-150%	78.5%	
	M3HFPO-DA		S020424032				20-150%	60.6%	
	M4PFHpA		S020424032				20-150%	84.2%	
	M3PFHxS		S020424032				20-150%	86.2%	
	M2-6:2 FTS		S020424032				20-150%	110.5%	
	M8PFOA		S020424032				20-150%	95.3%	
	M9PFNA		S020424032				20-150%	100.2%	
	M8PFOS		S020424032				20-150%	93.6%	
	M2-8:2 FTS		S020424032				20-150%	120.3%	
	M8FOSA-I		S020424032				20-150%	80.9%	
	M6PFDA		S020424032				20-150%	96.4%	
	d3-N-MeFOSAA		S020424032				20-150%	105.5%	
	d5-N-EtFOSAA		S020424032				20-150%	101.6%	
	M7PFUdA		S020424032				20-150%	93.3%	
	MPFD _o A		S020424032				20-150%	82.8%	
	M2PFTeDA		S020424032				20-150%	53.0%	
	d3-N-MeFOSA		S020424032				10-200%	2.3%	Q
	d5-N-EtFOSA		S020424032				10-200%	2.9%	Q
	d7-N-MeFOSE		S020424032				10-200%	51.9%	
	d9-N-EtFOSE		S020424032				10-200%	44.9%	