

Table 1. Sampling Stations for PFAS in Delaware Surface Waters – Fall 2022

Watershed	Description					
	Upstream Location	Latitude	Longitude	Downstream Location	Latitude	Longitude
Shellpot Creek	Shellpot Creek at Lea Blvd	39.753731	-75.515885	Shellpot Creek at Hay Rd	39.739212	-75.510841
Naamans Creek	Naamans Creek at Stone Crop Rd	39.829618	-75.505329			
Christina River	Christina River at Rt 141 (boat)	39.710368	-75.608996	Christina River Mouth (boat)	39.720091	-75.522407
	Brandywine River at Dam 2	39.758711	-75.555171			
	Brandywine River Mouth (boat)	39.732185	-75.530461			
	Brandywine River at Smith Bridge Rd	39.837632	-75.579010			
	Hershey Run at Rt. 4 (W. Newport Pike)	39.715262	-75.626165			
	Red Clay Creek at Rt 4	39.715236	-75.640181			
	Red Clay Creek at State Line	39.813126	-75.681464			
	Burrows Run at Snuff Mill Rd	39.820202	-75.644823			
	White Clay Creek at Delaware Park Dr	39.698914	-75.675557			
	White Clay Creek at Chambers Rock Rd	39.732956	-75.759777			
	Christina River at Smalleys Dam Rd	39.655330	-75.669243			
Army Creek	Collins Park at Buttonwood Ave	39.682100	-75.555334			
	Army Creek at Park Ave	39.649508	-75.617739	Army Creek at Rt 9	39.651773	-75.588259
Red Lion Creek	Red Lion Creek at Rt 7	39.605368	-75.664844	Red Lion Creek at Rt 9	39.605289	-75.629929
Dragon Run Creek	Dragon Run at Rt 13	39.569376	-75.654725	Dragon Run at Rt 9	39.577054	-75.602082
C&D Canal				C&D Canal at Rt 9 (boat)	39.558502	-75.580263
Appoquinimink	Appoquinimink River at Rt 13	39.444241	-75.663878	Appoquinimink River Mouth (boat)	39.447014	-75.584206
	Deep Creek at Summit Bridge Rd	39.437208	-75.713219			
Blackbird Creek	Blackbird Creek at Blackbird Landing Rd	39.388678	-75.635983			
Delaware Bay				Cedar Swamp at Collins Landing	39.388734	-75.527215
Smyrna River	Duck Creek @ Duck Creek Rd	39.3088	-75.621414	Smyrna River at Flemings Landing Rd	39.353787	-75.548718
	Sawmill Branch at Walker School Rd	39.373677	-75.601144			
	Lake Como Outfall	39.29662	-75.600546			
Leipsic River	Garrisons Lake Outfall	39.244036	-75.588559	Leipsic River Mouth at Goose Point (boat)	39.244404	-75.413497

Table 1 (Continued)

Watershed	Description					
	Upstream Location	Latitude	Longitude	Downstream Location	Latitude	Longitude
St Jones River	Silver Lake (Dover) Outfall	39.168399	-75.521536	St. Jones River Mouth (boat)	39.070007	-75.405259
	Moores Lake Outfall	39.126146	-75.518569			
	Tidbury Creek at Rising Sun Rd	39.104853	-75.523434			
Little River	Little River at N Little Creek Rd (RT 8)	39.166458	-75.477542	Little River Mouth (boat)	39.159847	-75.412825
Murderkill River	Murderkill at Market St	39.002042	-75.465646	S. Bowers Beach Inlet (boat)	39.058476	-75.396662
	Coursey Pond Outfall	38.988849	-75.510711			
	McGinnis Pond Outfall	39.036228	-75.510589			
Misspillion River	Silver Lake (Milford) Outfall	38.911225	-75.433160	Mouth of Misspillion River	38.952993	-75.317679
Cedar Creek	Swiggetts Pond Outfall	38.868998	-75.377411	Cedar Creek at Bay Ave	38.934925	-75.323906
Primehook Creek	Waples Pond Outfall (boat)	38.825437	-75.306974			
Broadkill River	Wagamons Pond Outfall	38.777297	-75.31300			
	Red Mill Pond Outfall	38.760098	-75.203124			
Nanticoke River	Nanticoke River at Old Furnace Rd	38.66558	-75.565230	Nanticoke River at State Line (boat)	38.560262	-75.700856
	Nanticoke River at Rifle Range Rd	38.728410	-75.562060			
	Nanticoke River at Seaford (boat)	38.631443	-75.618019			
	Nanticoke River at Woodland Ferry (boat)	38.599028	-75.657311			
Broad Creek	Broad Creek at Records Pond Outfall	38.558671	-75.567557	Broad Creek at Phillips Landing	38.564446	-75.672318
	Broad Creek at Shell Bridge Rd	38.568782	-75.619263			
Deep Creek	Concord Pond Outfall	38.643126	-75.554076			
Rehoboth Bay	Love Creek at Robinsonville Rd	38.717710	-75.186778	Mouth of Love Creek	38.688932	-75.140548
	Munchy Branch at Beaverdam Trail	38.733869	-75.111830			
Indian River Bay	Millsboro Pond Outfall at Main Street	38.594465	-75.291195	Indian River Bay Inlet (boat)	38.607765	-75.079924
	Indian River at Gut Point (boat)	38.589998	-75.219180			
L&R Canal				Roosevelt Inlet (boat)	38.787731	-75.159316
Little Assawoman Bay	Dirickson Creek at Old Mill Bridge Rd (381)	38.483594	-75.11883	Little Assawoman Bay at Laws Point (boat)	38.483338	-75.08046
	Roy Creek at Americana Parkway	38.468750	-75.115133	The Ditch/State line at Lighthouse Rd (boat)	38.452631	-75.064251
C&D West	Long Branch at Steele Rd	39.55503	-75.78094			
	Sammons Pond Outfall at Old Telegraph Rd	39.51347	-75.78115			

Table 1 (Continued)

Watershed	Description					
	Upstream Location	Latitude	Longitude	Downstream Location	Latitude	Longitude
Bohemia	Bohemia Mill Pond Outfall at Old Telegraph Rd	39.4654	-75.77567			
	Sandy Branch at Old Telegraph Rd	39.46033	-75.77387			
Sassafras	Sassafras River at Maryland Line Rd	39.37759	-75.76649			
Chester	Cypress Branch at Delaney Church Rd	39.30068	-75.75021			
	Sewell Branch at Sewell Branch Rd	39.24678	-75.74897			
Choptank	Gravely Run at Blanco Rd	39.21861	-75.76086			
	Choptank River at Rd 287	39.03025	-75.75755			
Marshyhope	Cow Marsh Creek at Mahan Corner Rd	39.04548	-75.71410			
	Marshyhope Creek at Rt 404	38.79445	-75.69349			
Pocomoke	Pocomoke River at Bethel Rd.	38.45947	-75.34415			

Table 2 (Continued)

PFAS Compounds (all results reported in ng/l or ppt)	Pre-Treatment																										
	NanOldFurnace-SW-1022	ConcordPd-SW-1022	NanSeafood-SW-1022	NanWoodlif-SW-1022	NanStateline-SW-1022	RecordsPd-SW-1022	BroadCrkShellBr-SW-1022	BroadCrkPhillips-SW-1022	MillsboroPd-SW-1022	InRivGutPt-SW-1022	InRivBayInlet-SW-1022	Pocomoke-SW-1022	DirickCrk-SW-1022	LitAssBay-SW-1022	LitAssBay-SW-1022 (Duplicate)	RoyCrk-SW-1022	TheDitch-SW-1022										
Perfluoroalkyl Carboxylic Acids (PFCAs)																											
Pentafluoropropionic acid (PFF Acid or PFPrA)	0	0	0	0	0	0	0	0	6.34	0	0	5.98	0	0	0	0	0										
Perfluorobutanoic acid (PFBA)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	6.29	0										
Perfluoropentanoic acid (PFPeA)	0	0	4.18	4.01	3.97	0	3.66	3.83	4.54	0	0	0	1.37	1.24	1.31	5.15	0										
Perfluorohexanoic acid (PFHxA)	0	2.93	5.34	4.96	4.97	0	3.27	2.75	4.35	1.66	0	0	2.26	2.28	2.09	5.53	1.87										
Perfluoroheptanoic acid (PFHpA)	0	0	2.18	1.63	1.84	0	1.22	1.02	2.64	0.66	0	0	1.47	1.42	1.37	2.36	1.02										
Perfluorooctanoic acid (PFOA)	0	0	4.7	3.73	4.08	0	2.8	0	4.02	0	0	0	3.21	2.46	2.56	5.74	0										
Perfluorononanoic acid (PFNA)	0	0	1.08	0.82	0.77	1.27	0	0.9	1.12	0	0	0	1.03	1.67	2.2	1.72	1.29										
Perfluorodecanoic acid (PFDA)	0	0	1.02	0.9	0.79	0	0	0	0	0	0	0	0	0	0	0.89	0										
Perfluoroundecanoic acid (PFUnA)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0										
Perfluorododecanoic acid (PFDoA)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0										
Perfluorotridecanoic acid (PFTTrDA)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0										
Perfluorotetradecanoic acid (PFTeDA)	0	0	0	0	0	1.04	0	0	0.92	0	0	0	0	0	0	0	0										
Perfluoroalkyl Sulfonic Acids (PFASs)																											
Perfluorobutanesulfonic acid (PFBS)	0	0	1.74	1.34	1.45	0.84	1.27	1.22	1.49	0.78	0	0.5	2.04	1.21	1.33	9.42	0.88										
Perfluoropentanesulfonic acid (PFPeS)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0										
Perfluorohexanesulfonic acid (PFHxS)	0.5	0	1.02	0.94	0.84	0.97	1	1.04	1.45	0.64	0.61	0.83	0.94	0.52	0.74	2.11	0.49										
Perfluoroheptanesulfonic acid (PFHpS)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0										
Perfluorooctanesulfonic acid (PFOS)	1.55	0	2.18	6.15	2.48	7.12	3.14	1.74	2.88	1.99	1.34	7.11	3.68	2.65	1.82	3.59	1.34										
Perfluorodecanesulfonic acid (PFDS)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0										
Fluorotelomer Sulfonic Acids (FTSAs)																											
1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2 FTS)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0										
1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2 FTS)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0										
1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2 FTS)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0										
Perfluoroalkane Sulfonamides (FOSAs)																											
Perfluorooctanesulfonamide (PFOSA or FOSA)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0										
Perfluoroalkane Sulfonamidoacetic Acids (FOSAAs)																											
N-methyl perfluoroalkane sulfonamido acetic acid (N-MeFOSA)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0										
N-ethyl perfluoroalkane sulfonamido acetic acid (N-EtFOSA)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0										
Per- and Polyfluoroether Carboxylic Acids (PFECAs)																											
Hexafluoropropylene oxide Dimer acid (HFPO-DA or GenX)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0										
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0										
Perfluoro-4-methoxybutanoic acid (PFMBA)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0										
Perfluoro-3-methoxypropanoic acid (PFMPA)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0										
Perfluoro-2-methoxyacetic acid (PFMOAA)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0										
Perfluoro-3,6-dioxahexanoic acid (NFDHA or PFCA B)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0										
Perfluoro-3,5-dioxahexanoic acid (PFO2HxA)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0										
Perfluoro-3,5,7-trioxaoctanoic acid (PFO3OA)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0										
Ether Sulfonic Acids (ESAs)																											
11Cl-PF3OUdS	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0										
9Cl-PF3ONS	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0										
Perfluoro-2-ethoxyethanesulfonic acid (PFEEESA)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0										
Hydro-PS Acid (aka PFESA BP2)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0										
Fluorotelomer Carboxylic Acids (FTCAs)																											
5:3 fluorotelomer carboxylic acid (5:3 FTCA)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0										
6:2 fluorotelomer carboxylic acid (6:2 FTCA)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0										
6:2 fluorotelomer alpha, beta-unsaturated carboxylate (6:2 FTUCA)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0										

Notes:

- All results are reported in ng/l, or parts per trillion (ppt)
- A value of zero indicates that the compound was not detected at a concentration above the method detection limit.

Table 3 (Continued)

PFAS Compounds (all results reported in ng/l or ppt)	Post-Treatment																									
	DragRun9-SW-1122	CDR9-SW-1122	CDR9-SW-1122 (Duplicate)	LongBR-SW-1122	SammonsPd-SW-1122	BohemMillPd-SW-1122	BohemMillPd-SW-1122 (Duplicate)	SandyBr-SW-1122	DeepCrk-SW-1122	AppoR13-SW-1122	AppoRMouth-SW-1122	Sassafrass-SW-1122	BBCrk-SW-1122	SawmillBr-SW-1122	SawmillBr-SW-1122 (Duplicate)	CedarSwp-SW-1122	DuckCrk-SW-1122	SmyrnaRiv-SW-1122	LkComo-SW-1122	CypressBr-SW-1122	SewellBr-SW-1122	GravellyR-SW-1122	GarrisonsLk-SW-1122	GarrisonsLk-SW-1122 (Duplicate)	LeipsicMouth-SW-1122	LittleRiv8-SW-1122
Perfluoroalkyl Carboxylic Acids (PFCAs)																										
Pentafluoropropionic acid (PFF Acid or PFPrA)	9.12	0	9.73	25.1	24.6	18.5	23.7	22.5	31	7.31	6.65	20.4	4.69	5.18	8.86	11.8	15.2	4.71	10.6	7.14	15.7	11.3	13.5	10.3	317	7.13
Perfluorobutanoic acid (PFBA)	16.9	10.9	10.4	21.3	20.7	19	18.2	18.7	8.28	9.14	12	29.8	8.53	8.85	9.8	11	0	9.08	0	0	0	7.87	0	0	11.4	19.6
Perfluoropentanoic acid (PFPeA)	12.2	11.8	10.3	5.4	7.73	2.57	1.97	2.8	4.03	9.6	11.8	2.49	9.86	7.48	7.96	9.78	1.88	9.31	2.46	1.46	2.3	4.32	1.69	1.92	6.63	38.6
Perfluorohexanoic acid (PFHxA)	18	15	16.3	7.99	6.5	2.63	0	3.26	7.87	16.9	16.8	0	12.5	11.6	9.75	15.3	3.81	13.3	3.32	0	0	3.89	2.02	2.24	8.8	58.6
Perfluoroheptanoic acid (PFHpA)	6.23	4.06	4.28	4.48	2.15	1.04	0.91	0.75	2.44	4.17	3.94	0	4.35	3.1	2.37	3.75	1	3.61	1.26	0.92	0	1.79	0.77	1.16	1.99	9.51
Perfluorooctanoic acid (PFOA)	10.6	7.02	6.45	13.1	3.92	0	0	0	4.77	8.4	7.33	0	8.38	5.69	0	6.86	0	5.9	2.49	2.24	0	2.59	0	0	3.8	15.7
Perfluorononanoic acid (PFNA)	5.87	2.37	2.07	105	0	0	0	0	0.73	3.28	1.96	0	2.85	3.33	0	2.7	0	2.48	0	0	0	0	0	0	0	2.08
Perfluorodecanoic acid (PFDA)	1.26	1.11	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Perfluoroundecanoic acid (PFUnA)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Perfluorododecanoic acid (PFDoA)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Perfluorotridecanoic acid (PFTrDA)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Perfluorotetradecanoic acid (PFTeDA)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Perfluoroalkyl Sulfonic Acids (PFSAs)																										
Perfluorobutanesulfonic acid (PFBS)	2.49	2.35	2.52	2.34	3.66	0	0	1.35	2.89	2.44	2.51	0	0	2.14	0	1.87	0	0	3.12	0	0	0	0	0	1.34	10.6
Perfluoropentanesulfonic acid (PFPeS)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	9.62
Perfluorohexanesulfonic acid (PFHxS)	1.7	1.69	1.77	1.71	1.02	0.68	0.65	0.75	0.81	1.74	1.67	0.5	1.75	0.99	0.84	1.59	1	1.5	0.82	0.9	0.56	1.93	0.93	0.88	1.11	58.6
Perfluoroheptanesulfonic acid (PFHpS)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.91
Perfluorooctanesulfonic acid (PFOS)	3.37	3.76	9.14	4.11	1.21	0	0	0	0	3.29	4.02	0	5.58	2.24	1.61	3.34	0	3.02	0	0	1.83	3.09	0	0	1.69	22.7
Perfluorodecanesulfonic acid (PFDS)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Fluorotelomer Sulfonic Acids (FTSAs)																										
1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2 FTS)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2 FTS)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2 FTS)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Perfluorooctane Sulfonamides (FOSAs)																										
Perfluorooctanesulfonamide (PFOSA or FOSA)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4.08	0
Perfluorooctane Sulfonamidoacetic Acids (FOSAAs)																										
N-methyl perfluorooctane sulfonamido acetic acid (N-MeFOSAA)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
N-ethyl perfluorooctane sulfonamido acetic acid (N-EtFOSAA)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Per- and Polyfluoroether Carboxylic Acids (PFECAs)																										
Hexafluoropropylene oxide Dimer acid (HFPO-DA or GenX)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Perfluoro-4-methoxybutanoic acid (PFMBA)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Perfluoro-3-methoxypropanoic acid (PFMPA)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Perfluoro-2-methoxyacetic acid (PFMOAA)	0	0	0	1.42	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Perfluoro-3,6-dioxaheptanoic acid (NFDHA or PFECA B)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Perfluoro-3,5-dioxaheptanoic acid (PFO2HxA)	0	0	0	0	0	0	0	0	3.37	1.81	0	0	0	1.7	0	0	0	2.21	0	3.32	3.89	3.57	0	0	0	1.85
Perfluoro-3,5,7-trioxaoctanoic acid (PFO3OA)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	5	0
Ether Sulfonic Acids (ESAs)																										
11Cl-PF3OUdS	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
9Cl-PF3ONS	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Perfluoro-2-ethoxyethanesulfonic acid (PFEEESA)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Hydro-PS Acid (aka PFESA BP2)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Fluorotelomer Carboxylic Acids (FTCAs)																										
5:3 fluorotelomer carboxylic acid (5:3 FTCA)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
6:2 fluorotelomer carboxylic acid (6:2 FTCA)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
6:2 fluorotelomer alpha, beta-unsaturated carboxylate (6:2 FTUCA)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Table 3 (Continued)

PFAS Compounds (all results reported in ng/l or ppt)	Post-Treatment																										
	LittleRivMouth-SW-1122	SJSilverLk-SW-1122	MooreLk-SW-1122	TidburyCrk-SW-1122	SJMouth-SW-1122	CowMarshCrk-SW-1122	CowMarshCrk-SW-1122 (Duplicate)	Choptank-SW-1122	McGinnisPd-SW-1022	Murderkill-SW-1022	SBowerInlet-SW-1022	CourseyPd-SW-1022	SilverLkMil-SW-1022	MissillMouth-SW-1022	SwigPd-SW-1022	CedarCrk-SW-1022	CedarCrk-SW-1022 (Duplicate)	MarshyCrk-SW-1022	WaplesPD-SW-1022	WagamonPd-SW-1022	RedMillPd-SW-1022	RoosInlet-SW-1022	MunchyBr-SW-1022	LoveCrk-SW-1022	LoveCrMouth-SW-1022	NanRifleRangeRd-SW-1022	
Perfluoroalkyl Carboxylic Acids (PFCAs)																											
Pentafluoropropionic acid (PFF Acid or PFPra)	19.9	14.6	14.1	25.7	23.8	9.3	10.1	7.77	8.93	5.86	0	8.71	9.62	0	10.6	0	0	0	9.45	5.42	6.36	0	3.14	10.6	0.9	0	
Perfluorobutanoic acid (PFBA)	7.63	6.9	0	6.39	6.04	0	0	6.73	0	10.7	15.4	0	10.6	12.1	11.2	19.3	13.8	0	12.9	9.17	12.5	29.1	0	12.1	6.06	12.5	
Perfluoropentanoic acid (PFPeA)	3.7	7.39	2.92	3.83	0	1.5	1.55	4.81	2.67	2.79	4.19	1.7	2.33	3.38	2.15	4.08	3.73	0	1.85	0	3	1.72	3.18	0	0	1.28	
Perfluorohexanoic acid (PFHxA)	8.16	9.36	5.23	8.32	7.25	0	4.43	5	0	3.59	6.29	0	3.07	4.75	0	7.03	5.72	0	0	0	0	2.54	5.11	0	1.73	1.62	
Perfluoroheptanoic acid (PFHpA)	2.12	4.21	1.23	1.69	1.78	0.67	0.86	2.11	1.52	1.25	1.72	0.95	1.42	1.72	2.26	2.88	2.07	0	1.36	0.65	1.62	0.82	1.65	0.73	0.8	1.03	
Perfluorooctanoic acid (PFOA)	3.18	6.66	2.53	3.93	2.69	0	0	3.42	4.23	2.36	2.9	0	3.11	2.86	4.87	6.23	3.82	0	2.79	0	4.6	0	4.03	0	0	0	
Perfluorononanoic acid (PFNA)	0	3.92	0	0	0	0	0	0	0	0	0.68	0	0	0.89	1.12	3.51	1.67	0	0	0	0	0	1.15	0	0	0	
Perfluorodecanoic acid (PFDA)	0	0	0	0	0	0	0	0	0	0	1.25	0	0	0	1.24	0	0	0	0	0	0	0	0	0	0	0	
Perfluoroundecanoic acid (PFUnA)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Perfluorododecanoic acid (PFDoA)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Perfluorotridecanoic acid (PFTrDA)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Perfluorotetradecanoic acid (PFTeDA)	0	1.01	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Perfluoroalkyl Sulfonic Acids (PFSA)																											
Perfluorobutanesulfonic acid (PFBS)	0.86	3.04	2.17	4.6	0	0	0	0	4.01	2.77	0.87	0	2.89	1.18	4.34	2.48	2.12	0	3.07	0.63	2.31	0	3.97	0	0	1.1	
Perfluoropentanesulfonic acid (PFPeS)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Perfluorohexanesulfonic acid (PFHxS)	1.22	3.15	1.54	3.15	1.44	1.29	1.13	1.49	2.16	1.62	1.79	1.55	1.84	0.97	1.45	1.54	1.09	0.74	0.97	0.71	4.17	0.71	1.13	1.1	0.63	0.76	
Perfluoroheptanesulfonic acid (PFHpS)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Perfluorooctanesulfonic acid (PFOS)	2.43	4.48	0	0	3.74	4.24	0	5.94	3.63	7.47	19.7	2.86	4.97	17	0	4.15	4.58	4.11	1.79	0	4.36	1.47	0	3.24	1.54	1.16	
Perfluorodecanesulfonic acid (PFDS)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Fluorotelomer Sulfonic Acids (FTSAs)																											
1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2 FTS)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2 FTS)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2 FTS)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Perfluorooctane Sulfonamides (FOSAs)																											
Perfluorooctanesulfonamide (PFOSA or FOSA)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Perfluorooctane Sulfonamidoacetic Acids (FOSAAs)																											
N-methyl perfluorooctane sulfonamido acetic acid (N-MeFOSAA)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
N-ethyl perfluorooctane sulfonamido acetic acid (N-EtFOSAA)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Per- and Polyfluoroether Carboxylic Acids (PFECAs)																											
Hexafluoropropylene oxide Dimer acid (HFPO-DA or GenX)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Perfluoro-4-methoxybutanoic acid (PFMBA)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Perfluoro-3-methoxypropanoic acid (PFMPA)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Perfluoro-2-methoxyacetic acid (PFMOAA)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Perfluoro-3,6-dioxahexanoic acid (NFDHA or PFCEA B)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Perfluoro-3,5-dioxahexanoic acid (PFO2HxA)	0	2.81	2.59	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4.01	0	0	
Perfluoro-3,5,7-trioxaheptanoic acid (PFO3OA)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Ether Sulfonic Acids (ESAs)																											
11Cl-PF3OUdS	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
9Cl-PF3ONS	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Perfluoro-2-ethoxyethanesulfonic acid (PFEEESA)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Hydro-PS Acid (aka PFESA BP2)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Fluorotelomer Carboxylic Acids (FTCAs)																											
5:3 fluorotelomer carboxylic acid (5:3 FTCA)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
6:2 fluorotelomer carboxylic acid (6:2 FTCA)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
6:2 fluorotelomer alpha, beta-unsaturated carboxylate (6:2 FTUCA)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	

Table 4. Field Measured Parameters – PFAS in Delaware Surface Waters – Fall 2022

Sampling Site	Date	Specific Conductance (uS/cm)	Dissolved Oxygen (mg/L)	Dissolved Oxygen (%)	pH	Salinity (ppt)	Air Temperature (°C)	Water Temperature (°C)
BrSmithBr-SW-1122	11/4/2022	462	10.65	98.1	7.91	0.22	7	11.63
BrDam2-SW-1122	11/1/2022	536	10.16	99.3	7.8	0.26	15	14.29
BrMouth-SW-1122	11/1/2022	3,576	9.09	92.7	7.65	1.89	16	15.78
BurrowsRn-SW-1122	11/4/2022	545	11.09	101.2	7.94	0.27	7	11.21
Naamans-SW-1122	11/4/2022	297	9.72	92	7.94	0.14	7	12.82
RCStateline-SW-1122	11/1/2022	512	10.17	98.8	7.86	0.25	16	14.00
RCStanton-SW-1122	11/4/2022	483	11.48	109.3	8.17	0.23	8	13.04
ShellLeaBlvd-SW-1122	11/1/2022	721	9.7	97	7.82	0.35	15	15.31
ShellHayRd-SW-1122	11/4/2022	2,626	9.03	90.9	7.28	1.37	6	15.33
WCChmbRk-SW-1122	11/4/2022	441	11.57	109.9	8.3	0.21	8	13.00
WCDEPark-SW-1122	11/1/2022	512	10.16	98.7	7.86	0.25	16	13.96
HersheyRun4-SW-1122	11/4/2022	600	9.4	89.3	7.77	0.29	8	12.95
ChrSmalleyDam-SW-1122	11/4/2022	342	9.46	94.9	8.08	0.16	9	15.49
Chr141-SW-1122	11/4/2022	1,498	10.59	104.8	8	0.76	7	14.66
ChrMouth-SW-1022	11/1/2022	430	9.54	94.7	7.69	0.21	16	14.97
CollinsPk-SW-1122	11/1/2022	236	5.61	57.6	7.03	0.11	17	16.59
ArmyCrkParkAve-SW-1122	11/1/2022	263	8.85	88.9	7.04	0.13	17	15.56
ArmyCrk9-SW-1122	11/1/2022	2,022	11.47	117.3	7.31	1.04	17	16.15
RLC7-SW-1122	11/1/2022	292	8.66	87.1	6.93	0.14	19	15.60
RLC9-SW-1122	11/1/2022	911	9.56	97.1	7.01	0.45	16	15.98
DragRun13-SW-1122	11/1/2022	359	6.36	63.5	6.38	0.17	15	15.23
DragRun9-SW-1122	11/1/2022	7,517	6.98	72.8	6.7	4.17	16	16.14
CDRt9-SW-1122	11/1/2022	13,770	9.4	101	7.28	7.99	16	16.45
LongBR-SW-1122	11/7/2022	171	7.37	76.5	7.18	ND	7	17.15
SammonsPd-SW-1122	11/7/2022	227	9.39	99.2	7.44	0.11	6	17.95
BohemMillPd-SW-1122	11/7/2022	223	6.87	70.8	7.14	0.11	6	16.76

Table 4 (Continued)

Sampling Site	Date	Specific Conductance (uS/cm)	Dissolved Oxygen (mg/L)	Dissolved Oxygen (%)	pH	Salinity (ppt)	Air Temperature (°C)	Water Temperature (°C)
SandyBr-SW-1122	11/7/2022	241	11.38	119	7.51	0.11	6	17.47
DeepCrk-SW-1122	11/2/2022	253	9.91	95.4	6.91	0.12	15	13.61
AppoR13-SW-1122	11/2/2022	11,210	9.49	98.2	7.24	6.41	16	15.13
AppoRMouth-SW-1122	11/2/2022	18,810	9.62	105.7	7.36	11.21	17	16.67
Sassafrass-SW-1122	11/7/2022	278	7.17	74.6	6.91	0.13	5	17.26
BBCrk-SW-1122	11/9/2022	13,040	9.62	94.5	7.69	7.53	7	12.42
SawmillBr-SW-1122	11/9/2022	IM	IM	IM	IM	IM	IM	IM
CedarSwp-SW-1122	11/2/2022	18,620	9.11	97.8	7.2	11.08	15	15.55
DuckCrk-SW-1122	11/9/2022	277	10.07	96.5	7.39	0.13	6	13.40
SmyrnaRiv-SW-1122	11/9/2022	18,330	9	94.5	7.66	10.9	7	14.53
LkComo-SW-1122	11/9/2022	215	9.52	91.4	6.95	0.1	6	13.49
CypressBr-SW-1122	11/7/2022	219	7.36	78.5	6.78	0.1	8	18.43
SewellBr-SW-1122	11/7/2022	211	5.28	55.6	6.25	0.1	8	17.81
GravellyR-SW-1122	11/7/2022	166	7.86	83.5	6.6	ND	7	18.24
GarrisonsLk-SW-1122	11/9/2022	246	9.82	93	7.41	0.12	7	12.89
LeipsicMouth-SW-1122	11/3/2022	33,760	8.61	97.3	7.66	21.21	16	15.04
LittleRiv8-SW-1122	11/9/2022	21,380	8.68	84	7.57	12.83	5	10.3
LittleRivMouth-SW-1122	11/3/2022	35,580	8.63	98.8	7.58	22.48	15	15.31
SJSilverLk-SW-1122	11/2/2022	221	10.76	111.3	7.66	0.11	16	16.95
MooresLk-SW-1122	11/2/2022	301	9.01	90.8	7.37	0.14	15	15.75
TidburryCrk-SSW-1122	11/2/2022	720	9.69	97.2	7.69	0.35	15	15.41
SJMouth-SW-1122	11/2/2022	38,280	8.3	96.5	7.92	24.37	14	15.46
CowMarshCrk-SW-1122	11/7/2022	184	7.74	83.1	6.2	ND	8	18.82
Choptank-SW-1122	11/7/2022	159	6.52	69	6.18	ND	8	18.10
McGinnisPd-SW-1022	10/18/2022	189	10.68	106.4	7.22	ND	9	15.20
Murderkill-SW-1022	10/18/2024	1,646	7.78	77.9	6.94	0.84	9	15.20
SBowerInlet-SW-1022	10/18/2024	38,230	8.29	92	7.61	24.3	9	13.22

Table 4 (Continued)

Sampling Site	Date	Specific Conductance (uS/cm)	Dissolved Oxygen (mg/L)	Dissolved Oxygen (%)	pH	Salinity (ppt)	Air Temperature (°C)	Water Temperature (°C)
CourseyPd-SW-1022	10/18/2022	203	9.94	97.9	7.34	0.1	9	14.64
SilverLkMil-SW-1022	10/19/2022	189	10.05	94.8	7.5	ND	6	12.72
MisspillMouth-SW-1022	10/19/2022	36,110	8.03	87.7	7.68	22.81	7	12.89
SwigPd-SW-1022	10/19/2022	259	9.64	97.2	7.56	0.12	9	15.74
CedarCrk-SW-1022	10/19/2022	27,640	7.3	75.8	7.72	17.01	7	12.20
MarshyCrk-SW-1022	10/25/2022	169	8.84	88.6	6.39	ND	15	15.47
WaplesPD-SW-1022	10/19/2022	194	10.01	96.7	7.36	ND	9	13.74
WagamonPd-SW-1022	10/19/2022	272	10.33	101.4	6.94	0.13	7	14.49
RedMillPd-SW-1022	10/19/2022	171	10.57	109	7.44	ND	8	16.83
RoosInlet-SW-1022	10/26/2022	47,650	6.73	88.6	7.84	31.09	16	16.84
MunchyBr-SW-1022	10/26/2022	168	8.9	92	6.21	ND	15	13.93
LoveCrk-SW-1022	10/26/2022	105	8.51	88	6.15	ND	14	13.99
LoveCrMouth-SW-1022	10/26/2022	48,300	7.43	94.5	7.73	31.56	14	14.79
NanRifleRangeRd-SW-1022	10/25/2022	172	8.88	89.6	6.33	ND	15	15.76
NanOldFurnace-SW-1022	10/25/2022	87	8.99	90	6.51	ND	15	15.42
ConcordPd-SW-1022	10/25/2022	112	9.85	98.8	7.08	ND	17	15.49
NanSeaford-SW-1022	10/25/2022	208	9.22	92.4	6.67	0.1	16	15.47
NanWoodlf-SW-1022	10/25/2022	125	10.61	106.8	7.29	ND	16	15.69
NanStateline-SW-1022	10/25/2022	329	9.34	94.3	6.75	0.16	16	15.78
RecordsPd-SW-1022	10/25/2022	165	10.62	106.7	6.89	ND	16	15.60
BroadCrkShellBr-SW-1022	10/25/2022	197	9.65	97.1	6.73	0.1	17	15.68
BroadCrkPhillips-SW-1022	10/25/2022	216	9.51	95.9	6.68	0.1	17	15.75
MillsboroPd-SW-1022	10/26/2022	151	10.98	112.8	6.76	ND	15	16.68
InRivGutPt-SW-1022	10/26/2022	41,630	8.82	111.4	8.07	26.75	16	15.95
InRivBayInlet-SW-1022	10/26/2022	50,160	7.05	95.4	8.02	32.92	15	17.68
Pocomoke-SW-1022	10/26/2022	137	7.44	76.9	6.27	ND	16	16.94
DirickCrk-SW-1022	10/26/2022	41,250	6.83	86.7	7.94	26.48	16	16.30
LitAssBay-SW-1022	10/26/2022	49,780	6.85	90.7	8.01	32.64	16	16.59

Table 4 (Continued)

Sampling Site	Date	Specific Conductance (uS/cm)	Dissolved Oxygen (mg/L)	Dissolved Oxygen (%)	pH	Salinity (ppt)	Air Temperature (°C)	Water Temperature (°C)
RoyCrk-SW-1022	10/26/2022	190	8.17	87.8	6.25	ND	17	15.81
TheDitch-SW-1022	10/26/2022	49,900	6.8	89.7	8.02	32.73	16	16.38

Notes:

- IM = Instrument Malfunction – no data was recorded
- Sample sites are generally ordered from North to South
- uS/cm = microsiemens per centimeter
- mg/L = milligrams per liter
- ppt = parts per trillion
- °C = degrees centigrade

Table 5. Duplicate Sample Pre-Treatment PFAS Analytical Results – Fall 2022

PFAS Compounds (all results reported in ng/l or ppt)	Pre-Treatment									
	RCStanton-SW-1122	RCStanton-SW-1122 (Duplicate)	WCChmbRk-SW-1122	WCChmbRk-SW-1122 (Duplicate)	WCDEPark-SW-1122	WCDEPark-SW-1122 (Duplicate)	ChrMouth-SW-1022	ChrMouth-SW-1022 (Duplicate)	ArmyCrkParkAve-SW-1122	ArmyCrkParkAve-SW-1122 (Duplicate)
Perfluoroalkyl Carboxylic Acids (PFCAs)										
Pentafluoropropionic acid (PFF Acid or PFPrA)	127	135	26.1	27.8	35.1	29.9	7.37	7.39	36	40.1
Perfluorobutanoic acid (PFBA)	87.9	84.9	0	0	10.1	9.28	6.33	6.27	13.3	12.8
Perfluoropentanoic acid (PFPeA)	72.6	73	3.34	3.72	8.51	8.41	8.58	8.38	10.9	11.3
Perfluorohexanoic acid (PFHxA)	69.8	75.2	3.85	4.22	8.52	8.57	14.7	13.7	13.1	12.8
Perfluoroheptanoic acid (PFHpA)	65.6	61.6	2.32	2.61	4.97	4.73	3.99	3.99	6.89	6.39
Perfluorooctanoic acid (PFOA)	56.8	55.9	4.13	4.71	9.93	9.53	6.59	7.34	13.7	12.8
Perfluorononanoic acid (PFNA)	23	23.5	0	0	1.87	1.55	2.31	2.59	2.02	2.15
Perfluorodecanoic acid (PFDA)	6.09	6.73	0	0	0	0	0	1.2	1.92	1.71
Perfluoroundecanoic acid (PFUnA)	0	0	0	0	0	0	0	0	0	0
Perfluorododecanoic acid (PFDoA)	1.65	1.59	0	0	0	0	0	0	0	0
Perfluorotridecanoic acid (PFTTrDA)	0	0	0	0	0	0	0	0	0	0
Perfluorotetradecanoic acid (PFTeDA)	0	0	0	0	0	0	0	0	0	0
Perfluoroalkyl Sulfonic Acids (PFASs)										
Perfluorobutanesulfonic acid (PFBS)	4.54	4.87	2.19	2.2	3.61	4.03	3.34	3.3	4.27	4.3
Perfluoropentanesulfonic acid (PFPeS)	0	0	0	0	0	0	0	0	0	0
Perfluorohexanesulfonic acid (PFHxS)	2.1	2.36	1.52	1.49	1.78	1.55	1.87	2.18	2.71	2.92
Perfluoroheptanesulfonic acid (PFHpS)	0	0	0	0	0	0	0	0	0	0
Perfluorooctanesulfonic acid (PFOS)	7.41	3.62	2.42	3.34	5.03	2.45	5.12	6.73	10.4	5.26
Perfluorodecanesulfonic acid (PFDS)	0	0	0	0	0	0	0	0	0	0
Fluorotelomer Sulfonic Acids (FTSAs)										
1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2 FTS)	0	0	0	0	0	0	0	0	0	0
1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2 FTS)	0	0	0	0	0	0	0	0	0	0
1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2 FTS)	0	0	0	0	0	0	0	0	0	0
Perfluorooctane Sulfonamides (FOSAs)										
Perfluorooctanesulfonamide (PFOSA or FOSA)	0	0	0	0	0	0	0	0	0	0
Perfluorooctane Sulfonamidoacetic Acids (FOSAAs)										
N-methyl perfluorooctane sulfonamido acetic acid (N-MeFOSAA)	0	0	0	0	0	0	0	0	0	0
N-ethyl perfluorooctane sulfonamido acetic acid (N-EtFOSAA)	0	0	0	0	0	0	0	0	0	0
Per- and Polyfluoroether Carboxylic Acids (PFECAs)										
Hexafluoropropylene oxide Dimer acid (HFPO-DA or GenX)	0	0	0	0	0	0	0	0	0	0
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	0	0	0	0	0	0	0	0	0	0
Perfluoro-4-methoxybutanoic acid (PFMBA)	1.64	1.58	0	0	0	0	0	0	0	0
Perfluoro-3-methoxypropanoic acid (PFMPA)	1.53	1.65	0	0	0	0	0	0	0	0
Perfluoro-2-methoxyacetic acid (PFMOAA)	61.4	59.6	2.98	2.3	5.7	3.56	0	0	5.89	5.87
Perfluoro-3,6-dioxaheptanoic acid (NFDHA or PFECA B)	0	0	0	0	0	0	0	0	0	0
Perfluoro-3,5-dioxaheptanoic acid (PFO2HxA)	5.24	5.75	0	0	0	0	0	0	0	0
Perfluoro-3,5,7-trioxaoctanoic acid (PFO3OA)	0	0	0	0	0	0	0	0	0	0
Ether Sulfonic Acids (ESAs)										
11Cl-PF3OUdS	0	0	0	0	0	5	0	0	0	0
9Cl-PF3ONS	0	0	0	0	0	0	0	0	0	0
Perfluoro-2-ethoxyethanesulfonic acid (PFEEESA)	0	0	0	0	0	0	0	0	0	0
Hydro-PS Acid (aka PFESA BP2)	0	0	0	0	0	0	0	0	0	0
Fluorotelomer Carboxylic Acids (FTCAs)										
5:3 fluorotelomer carboxylic acid (5:3 FTCA)	0	0	0	0	0	0	1.82	1.53	0	0
6:2 fluorotelomer carboxylic acid (6:2 FTCA)	0	0	0	0	0	0	0	0	0	0
6:2 fluorotelomer alpha, beta-unsaturated carboxylate (6:2 FTUCA)	0	0	0	0	0	0	0	0	0	0

Table 5 (Continued)

PFAS Compounds (all results reported in ng/l or ppt)	Pre-Treatment									
	CDR9-SW-1122	CDR9-SW-1122 (Duplicate)	BohemMillPd-SW-1122	BohemMillPd-SW-1122 (Duplicate)	SawmillBr-SW-1122	SawmillBr-SW-1122 (Duplicate)	GarrisonsLk-SW-1122	GarrisonsLk-SW-1122 (Duplicate)	CowMarshCrk-SW-1122	CowMarshCrk-SW-1122 (Duplicate)
Perfluoroalkyl Carboxylic Acids (PFCAs)										
Pentafluoropropionic acid (PFF Acid or PFPrA)	0	0	24.2	25.6	4.1	5.33	3.97	4.2	3.45	3.17
Perfluorobutanoic acid (PFBA)	0	0	0	0	0	0	0	0	0	0
Perfluoropentanoic acid (PFPeA)	8.97	9.15	0	0	5.6	5.89	0	1.21	0	0
Perfluorohexanoic acid (PFHxA)	14.6	14.8	1.76	1.64	8.48	8.98	2.07	2.17	1.47	0
Perfluoroheptanoic acid (PFHpA)	3.95	4.07	1.08	0.69	2.86	3.34	0.8	0.68	0.72	0.65
Perfluorooctanoic acid (PFOA)	6.56	6.66	0	0	8.2	8.22	2.11	2.36	2.4	2.19
Perfluorononanoic acid (PFNA)	2.14	2.2	0.68	0	4.97	4.77	0.69	0	0	0
Perfluorodecanoic acid (PFDA)	1.19	1.01	0	0	0	1.12	0	1.2	0	0
Perfluoroundecanoic acid (PFUnA)	0	0	0	0	0	0	0	0	0	0
Perfluorododecanoic acid (PFDoA)	0	0	0	0	0	0	0	0	0	0
Perfluorotridecanoic acid (PFTrDA)	0	0	0	0	0	0	0	0	0	0
Perfluorotetradecanoic acid (PFTeDA)	0	0	0	0	0	0	0	0	0	0
Perfluoroalkyl Sulfonic Acids (PFSA)										
Perfluorobutanesulfonic acid (PFBS)	2.45	2.54	1.01	1.08	2.16	2.3	1.41	1.64	1.23	1.47
Perfluoropentanesulfonic acid (PFPeS)	0	0	0	0	0	0	0	0	0	0
Perfluorohexanesulfonic acid (PFHxS)	1.49	1.48	0.66	0.59	1.02	1.5	0.65	0.83	1.52	1.58
Perfluoroheptanesulfonic acid (PFHpS)	0	0	0	0	0	0	0	0	0	0
Perfluorooctanesulfonic acid (PFOS)	4.01	3.26	1.45	0	4.19	0	0	0	2.68	4.12
Perfluorodecanesulfonic acid (PFDS)	0	0	0	0	0	0	0	0	0	0
Fluorotelomer Sulfonic Acids (FTSAs)										
1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2 FTS)	0	0	0	0	0	0	0	0	0	0
1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2 FTS)	0	0	0	0	0	0	0	0	0	0
1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2 FTS)	0	0	0	0	0	0	0	0	0	0
Perfluorooctane Sulfonamides (FOSAs)										
Perfluorooctanesulfonamide (PFOSA or FOSA)	0	0	0	0	0	0	0	0	0	0
Perfluorooctane Sulfonamidoacetic Acids (FOSAAs)										
N-methyl perfluorooctane sulfonamido acetic acid (N-MeFOSAA)	0	0	0	0	0	0	0	0	0	0
N-ethyl perfluorooctane sulfonamido acetic acid (N-EtFOSAA)	0	0	0	0	0	0	0	0	0	0
Per- and Polyfluoroether Carboxylic Acids (PFECAs)										
Hexafluoropropylene oxide Dimer acid (HFPO-DA or GenX)	0	0	0	0	0	0	0	0	0	0
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	0	0	0	0	0	0	0	0	0	0
Perfluoro-4-methoxybutanoic acid (PFMBA)	0	0	0	0	0	0	0	0	0	0
Perfluoro-3-methoxypropanoic acid (PFMPA)	0	0	0	0	0	0	0	0	0	0
Perfluoro-2-methoxyacetic acid (PFMOAA)	0	0	0	0	0	0	0	0	0	0
Perfluoro-3,6-dioxaheptanoic acid (NFDHA or PFECA B)	0	0	0	0	0	0	0	0	0	0
Perfluoro-3,5-dioxahexanoic acid (PFO2HxA)	0	0	0	0	0	0	0	0	0	0
Perfluoro-3,5,7-trioxaoctanoic acid (PFO3OA)	0	0	0	0	0	0	0	0	0	0
Ether Sulfonic Acids (ESAs)										
11Cl-PF3OUdS	0	0	0	0	0	0	0	0	0	0
9Cl-PF3ONS	0	0	0	0	0	0	0	0	0	0
Perfluoro-2-ethoxyethanesulfonic acid (PFEEESA)	0	0	0	0	0	0	0	0	0	0
Hydro-PS Acid (aka PFESA BP2)	0	0	0	0	0	0	0	0	0	0
Fluorotelomer Carboxylic Acids (FTCAs)										
5:3 fluorotelomer carboxylic acid (5:3 FTCA)	0	0	0	0	0	0	0	0	0	0
6:2 fluorotelomer carboxylic acid (6:2 FTCA)	0	0	0	0	0	0	0	0	0	0
6:2 fluorotelomer alpha, beta-unsaturated carboxylate (6:2 FTUCA)	0	0	0	0	0	0	0	0	0	0

Table 5 (Continued)

PFAS Compounds (all results reported in ng/l or ppt)	Pre-Treatment									
	CedarCrk-SW-1022	CedarCrk-SW-1022 (Duplicate)	LitAssBay-SW-1022	LitAssBay-SW-1022 (Duplicate)						
Perfluoroalkyl Carboxylic Acids (PFCAs)										
Pentafluoropropionic acid (PFF Acid or PFPrA)	0	0	0	0						
Perfluorobutanoic acid (PFBA)	0	0	0	0						
Perfluoropentanoic acid (PFPeA)	2.54	2.88	1.24	1.31						
Perfluorohexanoic acid (PFHxA)	4.57	4.73	2.28	2.09						
Perfluoroheptanoic acid (PFHpA)	2.04	2.03	1.42	1.37						
Perfluorooctanoic acid (PFOA)	3.75	4.27	2.46	2.56						
Perfluorononanoic acid (PFNA)	1.99	1.92	1.67	2.2						
Perfluorodecanoic acid (PFDA)	0	0	0	0						
Perfluoroundecanoic acid (PFUnA)	0	0	0	0						
Perfluorododecanoic acid (PFDoA)	0	0	0	0						
Perfluorotridecanoic acid (PFTrDA)	0	0	0	0						
Perfluorotetradecanoic acid (PFTeDA)	0	0	0	0						
Perfluoroalkyl Sulfonic Acids (PFSA)										
Perfluorobutanesulfonic acid (PFBS)	2.59	2.9	1.21	1.33						
Perfluoropentanesulfonic acid (PFPeS)	0	0	0	0						
Perfluorohexanesulfonic acid (PFHxS)	1.28	1.03	0.52	0.74						
Perfluoroheptanesulfonic acid (PFHpS)	0	0	0	0						
Perfluorooctanesulfonic acid (PFOS)	0	1.85	2.65	1.82						
Perfluorodecanesulfonic acid (PFDS)	0	0	0	0						
Fluorotelomer Sulfonic Acids (FTSAs)										
1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2 FTS)	0	0	0	0						
1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2 FTS)	0	0	0	0						
1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2 FTS)	0	0	0	0						
Perfluorooctane Sulfonamides (FOSAs)										
Perfluorooctanesulfonamide (PFOSA or FOSA)	0	0	0	0						
Perfluorooctane Sulfonamidoacetic Acids (FOSAAs)										
N-methyl perfluorooctane sulfonamido acetic acid (N-MeFOSAA)	0	0	0	0						
N-ethyl perfluorooctane sulfonamido acetic acid (N-EtFOSAA)	0	0	0	0						
Per- and Polyfluoroether Carboxylic Acids (PFECAs)										
Hexafluoropropylene oxide Dimer acid (HFPO-DA or GenX)	0	0	0	0						
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	0	0	0	0						
Perfluoro-4-methoxybutanoic acid (PFMBA)	0	0	0	0						
Perfluoro-3-methoxypropanoic acid (PFMPA)	0	0	0	0						
Perfluoro-2-methoxyacetic acid (PFMOAA)	0	0	0	0						
Perfluoro-3,6-dioxaheptanoic acid (NFDHA or PFECA B)	0	0	0	0						
Perfluoro-3,5-dioxaheptanoic acid (PFO2HxA)	0	0	0	0						
Perfluoro-3,5,7-trioxaoctanoic acid (PFO3OA)	0	0	0	0						
Ether Sulfonic Acids (ESAs)										
11Cl-PF3OUdS	0	0	0	0						
9Cl-PF3ONS	0	0	0	0						
Perfluoro-2-ethoxyethanesulfonic acid (PFEESA)	0	0	0	0						
Hydro-PS Acid (aka PFESA BP2)	0	0	0	0						
Fluorotelomer Carboxylic Acids (FTCAs)										
5:3 fluorotelomer carboxylic acid (5:3 FTCA)	0	0	0	0						
6:2 fluorotelomer carboxylic acid (6:2 FTCA)	0	0	0	0						
6:2 fluorotelomer alpha, beta-unsaturated carboxylate (6:2 FTUCA)	0	0	0	0						

- Notes:
- All results are reported in ng/l, or parts per trillion (ppt)
 - A value of zero indicates that the compound was not detected at a concentration above the method detection limit.

Table 6. Duplicate Sample Post-Treatment PFAS Analytical Results – Fall 2022

PFAS Compounds (all results reported in ng/l or ppt)	Post-Treatment									
	RCStanton-SW-1122	RCStanton-SW-1122 (Duplicate)	WCChmBRk-SW-1122	WCChmBRk-SW-1122 (Duplicate)	WCDEPark-SW-1122	WCDEPark-SW-1122 (Duplicate)	ChrMouth-SW-1022	ChrMouth-SW-1022 (Duplicate)	ArmyCrkParkAve-SW-1122	ArmyCrkParkAve-SW-1122 (Duplicate)
Perfluoroalkyl Carboxylic Acids (PFCAs)										
Pentafluoropropionic acid (PFF Acid or PFPrA)	70.5	87.1	19.6	32	25.6	9.14	7.89	6.58	27.3	24.1
Perfluorobutanoic acid (PFBA)	82.6	108	24.1	20.1	14.2	15.5	13.2	12.5	16.8	16.2
Perfluoropentanoic acid (PFPeA)	68.3	67.9	4.43	4.34	8.35	8.84	11.1	11.4	10.9	12.2
Perfluorohexanoic acid (PFHxA)	73.7	66.7	6.03	4.78	8.52	9.01	14.6	15.6	17.2	13
Perfluoroheptanoic acid (PFHpA)	50	42.6	2.24	1.88	4.64	4.16	4.15	4.29	5.88	5.86
Perfluorooctanoic acid (PFOA)	26.1	20.4	3.16	0	10.1	6.61	8.27	6.55	12	8.9
Perfluorononanoic acid (PFNA)	9.09	4.79	0	0	1.62	0	2.71	2.41	2.08	1.25
Perfluorodecanoic acid (PFDA)	3.01	1.54	0	0	0	0	1.15	0	1.6	0.96
Perfluoroundecanoic acid (PFUnA)	0	0	0	0	0	0	0	0	0	0
Perfluorododecanoic acid (PFDoA)	0	0	0	0	0	0	0	0	0	0
Perfluorotridecanoic acid (PFTrDA)	0	0	0	0	0	0	0	0	0	0
Perfluorotetradecanoic acid (PFTeDA)	0	0	0	0	0	0	0	0	0	0
Perfluoroalkyl Sulfonic Acids (PFASs)										
Perfluorobutanesulfonic acid (PFBS)	4.43	4.01	0	2.07	3.63	3.8	3.1	2.92	3.04	3.22
Perfluoropentanesulfonic acid (PFPeS)	0	0	0	0	0	0	0	0	0	0
Perfluorohexanesulfonic acid (PFHxS)	1.72	1.6	1.26	0.82	2.07	1.58	2.15	1.82	2.93	2.22
Perfluoroheptanesulfonic acid (PFHpS)	0	0	0	0	0	0	0	0	0	0
Perfluorooctanesulfonic acid (PFOS)	2.15	0	1.69	0	0	0	5.06	0	4.34	4.43
Perfluorodecanesulfonic acid (PFDS)	0	0	0	0	0	0	0	0	0	0
Fluorotelomer Sulfonic Acids (FTSAs)										
1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2 FTS)	0	0	0	0	0	0	0	0	0	0
1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2 FTS)	0	0	0	0	0	0	0	0	0	0
1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2 FTS)	0	0	0	0	0	0	0	0	0	0
Perfluorooctane Sulfonamides (FOSAs)										
Perfluorooctanesulfonamide (PFOSA or FOSA)	0	0	0	0	0	0	0	0	0	0
Perfluorooctane Sulfonamidoacetic Acids (FOSAAs)										
N-methyl perfluorooctane sulfonamido acetic acid (N-MeFOSAA)	0	0	0	0	0	0	0	0	0	0
N-ethyl perfluorooctane sulfonamido acetic acid (N-EtFOSAA)	0	0	0	0	0	0	0	0	0	0
Per- and Polyfluoroether Carboxylic Acids (PFECAs)										
Hexafluoropropylene oxide Dimer acid (HFPO-DA or GenX)	0	0	0	0	0	0	0	0	0	0
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	0	0	0	0	0	0	0	0	0	0
Perfluoro-4-methoxybutanoic acid (PFMBA)	1.5	1.39	0	0	0	0	0	0	0	0
Perfluoro-3-methoxypropanoic acid (PFMPA)	1.77	1.54	0	0	0	0	0	0	0	0
Perfluoro-2-methoxyacetic acid (PFMOAA)	59.1	58.9	2.42	2.43	3.75	0	0	0	5.54	6.1
Perfluoro-3,6-dioxahexanoic acid (NFDHA or PFECA B)	0	0	0	0	0	0	0	0	0	0
Perfluoro-3,5-dioxahexanoic acid (PFO2HxA)	0	0	0	0	0	0	0	0	0	0
Perfluoro-3,5,7-trioxaheptanoic acid (PFO3OxA)	0	0	0	0	0	0	0	0	0	0
Ether Sulfonic Acids (ESAs)										
11Cl-PF3OUdS	0	0	0	0	0	0	0	0	0	0
9Cl-PF3ONS	0	0	0	0	0	0	0	0	0	0
Perfluoro-2-ethoxyethanesulfonic acid (PFEEESA)	0	0	0	0	0	0	0	0	0	0
Hydro-PS Acid (aka PFESA BP2)	0	0	0	0	0	0	0	0	0	0
Fluorotelomer Carboxylic Acids (FTCAs)										
5:3 fluorotelomer carboxylic acid (5:3 FTCA)	0	0	0	0	0	0	0	0	0	0
6:2 fluorotelomer carboxylic acid (6:2 FTCA)	0	0	0	0	0	0	0	0	0	0
6:2 fluorotelomer alpha, beta-unsaturated carboxylate (6:2 FTUCA)	0	0	0	0	0	0	0	0	0	0

Table 6 (Continued)

PFAS Compounds (all results reported in ng/l or ppt)	Post-Treatment									
	CDRt9-SW-1122	CDRt9-SW-1122 (Duplicate)	BohemMillPd-SW-1122	BohemMillPd-SW-1122 (Duplicate)	SawmillBr-SW-1122	SawmillBr-SW-1122 (Duplicate)	GarrisonsLk-SW-1122	GarrisonsLk-SW-1122 (Duplicate)	CowMarshCrk-SW-1122	CowMarshCrk-SW-1122 (Duplicate)
Perfluoroalkyl Carboxylic Acids (PFCAs)										
Pentafluoropropionic acid (PFF Acid or PFPrA)	0	9.73	18.5	23.7	5.18	8.86	13.5	10.3	9.3	10.1
Perfluorobutanoic acid (PFBA)	10.9	10.4	19	18.2	8.85	9.8	0	0	0	0
Perfluoropentanoic acid (PFPeA)	11.8	10.3	2.57	1.97	7.48	7.96	1.69	1.92	1.5	1.55
Perfluorohexanoic acid (PFHxA)	15	16.3	2.63	0	11.6	9.75	2.02	2.24	0	4.43
Perfluoroheptanoic acid (PFHpA)	4.06	4.28	1.04	0.91	3.1	2.37	0.77	1.16	0.67	0.86
Perfluorooctanoic acid (PFOA)	7.02	6.45	0	0	5.69	0	0	0	0	0
Perfluorononanoic acid (PFNA)	2.37	2.07	0	0	3.33	0	0	0	0	0
Perfluorodecanoic acid (PFDA)	1.11	0	0	0	0	0	0	0	0	0
Perfluoroundecanoic acid (PFUnA)	0	0	0	0	0	0	0	0	0	0
Perfluorododecanoic acid (PFDoA)	0	0	0	0	0	0	0	0	0	0
Perfluorotridecanoic acid (PFTrDA)	0	0	0	0	0	0	0	0	0	0
Perfluorotetradecanoic acid (PFTeDA)	0	0	0	0	0	0	0	0	0	0
Perfluoroalkyl Sulfonic Acids (PFSA)										
Perfluorobutanesulfonic acid (PFBS)	2.35	2.52	0	0	2.14	0	0	0	0	0
Perfluoropentanesulfonic acid (PFPeS)	0	0	0	0	0	0	0	0	0	0
Perfluorohexanesulfonic acid (PFHxS)	1.69	1.77	0.68	0.65	0.99	0.84	0.93	0.88	1.29	1.13
Perfluoroheptanesulfonic acid (PFHpS)	0	0	0	0	0	0	0	0	0	0
Perfluorooctanesulfonic acid (PFOS)	3.76	9.14	0	0	2.24	1.61	0	0	4.24	0
Perfluorodecanesulfonic acid (PFDS)	0	0	0	0	0	0	0	0	0	0
Fluorotelomer Sulfonic Acids (FTSAs)										
1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2 FTS)	0	0	0	0	0	0	0	0	0	0
1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2 FTS)	0	0	0	0	0	0	0	0	0	0
1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2 FTS)	0	0	0	0	0	0	0	0	0	0
Perfluorooctane Sulfonamides (FOSAs)										
Perfluorooctanesulfonamide (PFOSA or FOSA)	0	0	0	0	0	0	0	0	0	0
Perfluorooctane Sulfonamidoacetic Acids (FOSAAs)										
N-methyl perfluorooctane sulfonamido acetic acid (N-MeFOSAA)	0	0	0	0	0	0	0	0	0	0
N-ethyl perfluorooctane sulfonamido acetic acid (N-EtFOSAA)	0	0	0	0	0	0	0	0	0	0
Per- and Polyfluoroether Carboxylic Acids (PFECAs)										
Hexafluoropropylene oxide Dimer acid (HFPO-DA or GenX)	0	0	0	0	0	0	0	0	0	0
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	0	0	0	0	0	0	0	0	0	0
Perfluoro-4-methoxybutanoic acid (PFMBA)	0	0	0	0	0	0	0	0	0	0
Perfluoro-3-methoxypropanoic acid (PFMPA)	0	0	0	0	0	0	0	0	0	0
Perfluoro-2-methoxyacetic acid (PFMOAA)	0	0	0	0	0	0	0	0	0	0
Perfluoro-3,6-dioxaheptanoic acid (NFDHA or PFECA B)	0	0	0	0	0	0	0	0	0	0
Perfluoro-3,5-dioxaheptanoic acid (PFO2HxA)	0	0	0	0	1.7	0	0	0	0	0
Perfluoro-3,5,7-trioxaoctanoic acid (PFO3OA)	0	0	0	0	0	0	0	0	0	0
Ether Sulfonic Acids (ESAs)										
11Cl-PF3OUdS	0	0	0	0	0	0	0	0	0	0
9Cl-PF3ONS	0	0	0	0	0	0	0	0	0	0
Perfluoro-2-ethoxyethanesulfonic acid (PFEEESA)	0	0	0	0	0	0	0	0	0	0
Hydro-PS Acid (aka PFESA BP2)	0	0	0	0	0	0	0	0	0	0
Fluorotelomer Carboxylic Acids (FTCAs)										
5:3 fluorotelomer carboxylic acid (5:3 FTCA)	0	0	0	0	0	0	0	0	0	0
6:2 fluorotelomer carboxylic acid (6:2 FTCA)	0	0	0	0	0	0	0	0	0	0
6:2 fluorotelomer alpha, beta-unsaturated carboxylate (6:2 FTUCA)	0	0	0	0	0	0	0	0	0	0

Table 6 (Continued)

PFAS Compounds (all results reported in ng/l or ppt)	Post-Treatment									
	CedarCrk-SW-1022	CedarCrk-SW-1022 (Duplicate)	LitAssBay-SW-1022	LitAssBay-SW-1022 (Duplicate)						
Perfluoroalkyl Carboxylic Acids (PFCAs)										
Pentafluoropropionic acid (PFF Acid or PFPrA)	0	0	0	0						
Perfluorobutanoic acid (PFBA)	19.3	13.8	6.89	7.34						
Perfluoropentanoic acid (PFPeA)	4.08	3.73	1.59	2.01						
Perfluorohexanoic acid (PFHxA)	7.03	5.72	2.62	2.15						
Perfluoroheptanoic acid (PFHpA)	2.88	2.07	1.28	1.32						
Perfluorooctanoic acid (PFOA)	6.23	3.82	2.94	2.79						
Perfluorononanoic acid (PFNA)	3.51	1.67	1.16	1.27						
Perfluorodecanoic acid (PFDA)	0	0	0	0						
Perfluoroundecanoic acid (PFUnA)	0	0	0	0						
Perfluorododecanoic acid (PFDoA)	0	0	0	0						
Perfluorotridecanoic acid (PFTrDA)	0	0	0	0						
Perfluorotetradecanoic acid (PFTeDA)	0	0	0	0						
Perfluoroalkyl Sulfonic Acids (PFSA)										
Perfluorobutanesulfonic acid (PFBS)	2.48	2.12	1.11	1.27						
Perfluoropentanesulfonic acid (PFPeS)	0	0	0	0						
Perfluorohexanesulfonic acid (PFHxS)	1.54	1.09	0.86	0.84						
Perfluoroheptanesulfonic acid (PFHpS)	0	0	0	0						
Perfluorooctanesulfonic acid (PFOS)	4.15	4.58	2.64	0						
Perfluorodecanesulfonic acid (PFDS)	0	0	0	0						
Fluorotelomer Sulfonic Acids (FTSAs)										
1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2 FTS)	0	0	0	0						
1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2 FTS)	0	0	0	0						
1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2 FTS)	0	0	0	0						
Perfluorooctane Sulfonamides (FOSAs)										
Perfluorooctanesulfonamide (PFOSA or FOSA)	0	0	0	0						
Perfluorooctane Sulfonamidoacetic Acids (FOSAAs)										
N-methyl perfluorooctane sulfonamido acetic acid (N-MeFOSAA)	0	0	0	0						
N-ethyl perfluorooctane sulfonamido acetic acid (N-EtFOSAA)	0	0	0	0						
Per- and Polyfluoroether Carboxylic Acids (PFECAs)										
Hexafluoropropylene oxide Dimer acid (HFPO-DA or GenX)	0	0	0	0						
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	0	0	0	0						
Perfluoro-4-methoxybutanoic acid (PFMBA)	0	0	0	0						
Perfluoro-3-methoxypropanoic acid (PFMPA)	0	0	0	0						
Perfluoro-2-methoxyacetic acid (PFMOAA)	0	0	0	0						
Perfluoro-3,6-dioxaheptanoic acid (NFDHA or PFECA B)	0	0	0	0						
Perfluoro-3,5-dioxaheptanoic acid (PFO2HxA)	0	0	0	0						
Perfluoro-3,5,7-trioxaoctanoic acid (PFO3OA)	0	0	0	0						
Ether Sulfonic Acids (ESAs)										
11Cl-PF3OUdS	0	0	0	0						
9Cl-PF3ONS	0	0	0	0						
Perfluoro-2-ethoxyethanesulfonic acid (PFEESA)	0	0	0	0						
Hydro-PS Acid (aka PFESA BP2)	0	0	0	0						
Fluorotelomer Carboxylic Acids (FTCAs)										
5:3 fluorotelomer carboxylic acid (5:3 FTCA)	0	0	0	0						
6:2 fluorotelomer carboxylic acid (6:2 FTCA)	0	0	0	0						
6:2 fluorotelomer alpha, beta-unsaturated carboxylate (6:2 FTUCA)	0	0	0	0						

- Notes:
- All results are reported in ng/l, or parts per trillion (ppt)
 - A value of zero indicates that the compound was not detected at a concentration above the method detection limit.

Table 7. Equipment and Field Blank Pre-Treatment PFAS Analytical Results – Fall 2022

PFAS Compounds (all results reported in ng/l or ppt)	Pre-Treatment									
	Equipment Blank 1-1022	Equipment Blank 2-1122	Equipment Blank 3-1122	Equipment Blank 4-1122	Equipment Blank 5-1122	Field Blank 1-1022	Field Blank 2-1022	Field Blank 3-1122	Field Blank 4-1122	Field Blank 5-1122
Perfluoroalkyl Carboxylic Acids (PFCAs)										
Pentafluoropropionic acid (PFF Acid or PFPrA)	0	0	0	2.38	0	0	0	1.85	2.38	0
Perfluorobutanoic acid (PFBA)	0	0	0	0	0	0	0	0	0	0
Perfluoropentanoic acid (PFPeA)	0	0	0	0	0	0	0	0	0	0
Perfluorohexanoic acid (PFHxA)	0	0	0	0	0	0	0	0	0	0
Perfluoroheptanoic acid (PFHpA)	0	0	0	0	0	0	0	0	0	0
Perfluorooctanoic acid (PFOA)	0	0	0	0	0	0	0	0	0	0
Perfluorononanoic acid (PFNA)	0	0	0	0	0	0	0	0	0	0
Perfluorodecanoic acid (PFDA)	0	0	0	0	0	0	0	0	0	0
Perfluoroundecanoic acid (PFUnA)	0	0	0	0	0	0	0	0	0	0
Perfluorododecanoic acid (PFDoA)	0	0	0	0	0	0	0	0	0	0
Perfluorotridecanoic acid (PFTrDA)	0	0	0	0	0	0	0	0	0	0
Perfluorotetradecanoic acid (PFTeDA)	0	0	0	0	0	0	0	0	0	0
Perfluoroalkyl Sulfonic Acids (PFSAAs)										
Perfluorobutanesulfonic acid (PFBS)	0	0	0	0	0	0	0	0	0	0
Perfluoropentanesulfonic acid (PFPeS)	0	0	0	0	0	0	0	0	0	0
Perfluorohexanesulfonic acid (PFHxS)	0	0	0.55	0.52	0.58	0.47	0.51	0.73	0	0.5
Perfluoroheptanesulfonic acid (PFHpS)	0	0	0	0	0	0	0	0	0	0
Perfluorooctanesulfonic acid (PFOS)	0	0	0	0	0	0	0	2.38	0	2.89
Perfluorodecanesulfonic acid (PFDS)	0	0	0	0	0	0	0	0	0	0
Fluorotelomer Sulfonic Acids (FTSAs)										
1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2 FTS)	0	0	0	0	0	0	0	0	0	0
1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2 FTS)	0	0	0	0	0	0	0	0	0	0
1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2 FTS)	0	0	0	0	0	0	0	0	0	0
Perfluorooctane Sulfonamides (FOSAs)										
Perfluorooctanesulfonamide (PFOSA or FOSA)	0	0	0	0	0	0	0	0	0	0
Perfluorooctane Sulfonamidoacetic Acids (FOSAAs)										
N-methyl perfluorooctane sulfonamido acetic acid (N-MeFOSAA)	0	0	0	0	0	0	0	0	0	0
N-ethyl perfluorooctane sulfonamido acetic acid (N-EtFOSAA)	0	0	0	0	0	0	0	0	0	0
Per- and Polyfluoroether Carboxylic Acids (PFECAs)										
Hexafluoropropylene oxide Dimer acid (HFPO-DA or GenX)	0	0	0	0	0	0	0	0	0	0
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	0	0	0	0	0	0	0	0	0	0
Perfluoro-4-methoxybutanoic acid (PFMBA)	0	0	0	0	0	0	0	0	0	0
Perfluoro-3-methoxypropanoic acid (PFMPA)	0	0	0	0	0	0	0	0	0	0
Perfluoro-2-methoxyacetic acid (PFMOAA)	0	0	0	0	0	0	0	0	0	0
Perfluoro-3,6-dioxahexanoic acid (NFDHA or PFECA B)	0	0	0	0	0	0	0	0	0	0
Perfluoro-3,5-dioxahexanoic acid (PFO2HxA)	0	0	0	0	0	0	0	0	0	0
Perfluoro-3,5,7-trioxaheptanoic acid (PFO3OA)	0	0	0	0	0	0	0	0	0	0
Ether Sulfonic Acids (ESAs)										
11Cl-PF3OUdS	0	0	0	0	0	0	0	0	0	0
9Cl-PF3ONS	0	0	0	0	0	0	0	0	0	0
Perfluoro-2-ethoxyethanesulfonic acid (PFEESA)	0	0	0	0	0	0	0	0	0	0
Hydro-PS Acid (aka PFESA BP2)	0	0	0	0	0	0	0	0	0	0
Fluorotelomer Carboxylic Acids (FTCAs)										
5:3 fluorotelomer carboxylic acid (5:3 FTCA)	0	0	0	0	0	0	0	0	0	0
6:2 fluorotelomer carboxylic acid (6:2 FTCA)	0	0	0	0	0	0	0	0	0	0
6:2 fluorotelomer alpha, beta-unsaturated carboxylate (6:2 FTUCA)	0	0	0	0	0	0	0	0	0	0

- Notes:
- All results are reported in ng/l, or parts per trillion (ppt)
 - A value of zero indicates that the compound was not detected at a concentration above the method detection limit.

Table 8. Equipment and Field Blank Post-Treatment PFAS Analytical Results – Fall 2022

PFAS Compounds (all results reported in ng/l or ppt)	Post-Treatment									
	Equipment Blank 1-1022	Equipment Blank 2-1122	Equipment Blank 3-1122	Equipment Blank 4-1122	Equipment Blank 5-1122	Field Blank 1-1022	Field Blank 2-1022	Field Blank 3-1122	Field Blank 4-1122	Field Blank 5-1122
Perfluoroalkyl Carboxylic Acids (PFCAs)										
Pentafluoropropionic acid (PFF Acid or PFPra)	8.12	7.71	8.1	11.4	5.77	6.55	5.57	9.91	8.94	6.59
Perfluorobutanoic acid (PFBA)	0	0	0	18.8	0	9.97	7.11	19.2	15.5	0
Perfluoropentanoic acid (PFPeA)	0	0	1.36	0	0	0	1.21	1.97	1.75	0
Perfluorohexanoic acid (PFHxA)	0	1.58	0	0	0	0	0	0	0	0
Perfluoroheptanoic acid (PFHpA)	0	0	0	0	0	0	0	0	0	0
Perfluorooctanoic acid (PFOA)	0	0	0	0	0	0	0	0	0	0
Perfluorononanoic acid (PFNA)	0	0	0	0	0	0	0	0	0	0
Perfluorodecanoic acid (PFDA)	0	0	0	0	0	0	0	0	0	0
Perfluoroundecanoic acid (PFUnA)	0	0	0	0	0	0	0	0	0	0
Perfluorododecanoic acid (PFDoA)	0	0	0	0	0	0	0	0	0	0
Perfluorotridecanoic acid (PFTrDA)	0	0	0	0	0	0	0	0	0	0
Perfluorotetradecanoic acid (PFTeDA)	0	0	0	0	0	0	0	0	0	0
Perfluoroalkyl Sulfonic Acids (PFASs)										
Perfluorobutanesulfonic acid (PFBS)	0	0	0	0	0	0	0	0	0	0
Perfluoropentanesulfonic acid (PFPeS)	0	0	0	0	0	0	0	0	0	0
Perfluorohexanesulfonic acid (PFHxS)	0	0.44	0	0.53	0.56	0.6	0	0.53	0	0.49
Perfluoroheptanesulfonic acid (PFHpS)	0	0	0	0	0	0	0	0	0	0
Perfluorooctanesulfonic acid (PFOS)	0	0	0	0	0	0	0	0	0	8.37
Perfluorodecanesulfonic acid (PFDS)	0	0	0	0	0	0	0	0	0	0
Fluorotelomer Sulfonic Acids (FTSAs)										
1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2 FTS)	0	0	0	0	0	0	0	0	0	0
1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2 FTS)	0	0	0	0	0	0	0	0	0	0
1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2 FTS)	0	0	0	0	0	0	0	0	0	0
Perfluorooctane Sulfonamides (FOSAs)										
Perfluorooctanesulfonamide (PFOSA or FOSA)	0	0	0	0	0	0	0	0	0	0
Perfluorooctane Sulfonamidoacetic Acids (FOSAAs)										
N-methyl perfluorooctane sulfonamido acetic acid (N-MeFOSAA)	0	0	0	0	0	0	0	0	0	0
N-ethyl perfluorooctane sulfonamido acetic acid (N-EtFOSAA)	0	0	0	0	0	0	0	0	0	0
Per- and Polyfluoroether Carboxylic Acids (PFECAs)										
Hexafluoropropylene oxide Dimer acid (HFPO-DA or GenX)	0	0	0	0	0	0	0	0	0	0
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	0	0	0	0	0	0	0	0	0	0
Perfluoro-4-methoxybutanoic acid (PFMBA)	0	0	0	0	0	0	0	0	0	0
Perfluoro-3-methoxypropanoic acid (PFMPA)	0	0	0	0	0	0	0	0	0	0
Perfluoro-2-methoxyacetic acid (PFMOAA)	0	0	0	0	0	0	0	0	0	0
Perfluoro-3,6-dioxaheptanoic acid (NFDHA or PFECA B)	0	0	0	0	0	0	0	0	0	0
Perfluoro-3,5-dioxaheptanoic acid (PFO2HxA)	0	0	3.71	0	0	0	0	0	0	0
Perfluoro-3,5,7-trioxaoctanoic acid (PFO3OA)	0	0	0	0	0	0	0	0	0	0
Ether Sulfonic Acids (ESAs)										
11Cl-PF3OUdS	0	0	0	0	0	0	0	0	0	0
9Cl-PF3ONS	0	0	0	0	0	0	0	0	0	0
Perfluoro-2-ethoxyethanesulfonic acid (PFEEESA)	0	0	0	0	0	0	0	0	0	5
Hydro-PS Acid (aka PFESA BP2)	0	0	0	0	0	0	0	0	0	0
Fluorotelomer Carboxylic Acids (FTCAs)										
5:3 fluorotelomer carboxylic acid (5:3 FTCA)	0	0	0	0	0	0	0	0	0	0
6:2 fluorotelomer carboxylic acid (6:2 FTCA)	0	0	0	0	0	0	0	0	0	0
6:2 fluorotelomer alpha, beta-unsaturated carboxylate (6:2 FTUCA)	0	0	0	0	0	0	0	0	0	0

Notes:

- All results are reported in ng/l, or parts per trillion (ppt)
- A value of zero indicates that the compound was not detected at a concentration above the method detection limit.

Table 9. Summary Statistics – PFAS in Delaware Surface Waters – Fall 2022

Compound or Family Group	Pre-Treatment				
	Detection Frequency (%)	Minimum (ppt)	Median (ppt)	Mean (ppt)	Maximum (ppt)
HFPO-DA (Gen X)	1.0%	0.0	0.0	0.1	10.0
PFBS	93.7%	0.0	2.4	2.7	10.7
PFBA	32.6%	0.0	0.0	15.2	971.0
PFHxS	98.9%	0.0	1.5	2.5	73.5
PFHxA	87.4%	0.0	5.0	15.2	646.0
PFNA	70.5%	0.0	1.1	6.0	192.0
PFOS	85.3%	0.0	3.5	5.2	68.2
PFOA	80.0%	0.0	4.2	12.3	462.0
Total PFAS (sum of 8)	100.0%	1.9	17.1	59.3	2,304.0
Total PFAS (Sum of 39)	100.0%	1.9	33.7	123.7	5,457.1
Total Perfluoroalkyl Carboxylic Acids (PFCAs)	95.8%	0.0	27.7	102.2	4,711.3
Total Perfluoroalkyl Sulfonic Acids (PFSAs)	98.9%	0.0	7.1	10.6	163.1
Total Fluorotelomer Sulfonic Acids (FTSAs)	1.0%	0.0	0.0	0.1	10.8
Total Perfluorooctane Sulfonamides (FOSAs)	6.3%	0.0	0.0	0.1	1.3
Total Perfluorooctane Sulfonamidoacetic Acids (FOSAAs)	1.0%	0.0	0.0	0.3	25.0
Total Per- and Polyfluoroether Carboxylic Acids (PFECAs)	26.3%	0.0	0.0	10.3	712.8
Total Ether Sulfonic Acids (ESAs)	4.2%	0.0	0.0	0.2	5.0
Total Fluorotelomer Carboxylic Acids (FTCAs)	3.2%	0.0	0.0	0.1	1.8

Notes:

- This table presents statistics for the pre-treatment data only.
- The total number of samples included in the calculations was 95 (83 Parent samples and 12 Duplicate samples)
- A value of zero indicates that the compound was not detected at a concentration above the method detection limit.
- ppt = parts per trillion

Table 10. PFAS Fingerprints by Family Group – Delaware Surface Water – Fall 2022

Sampling Site	Pre-Treatment							
	Total PFCAs (%)	Total PFSAAs (%)	Total FTSAAs (%)	Total FOSAAs (%)	Total FOSAAAs (%)	Total PFECAs (%)	Total ESAAs (%)	Total FTCAAs (%)
BrSmithBr-SW-1122	74.96	21.67	0.00	0.00	0.00	3.38	0.00	0.00
BrDam2-SW-1122	77.26	15.11	0.00	0.00	0.00	7.63	0.00	0.00
BrMouth-SW-1122	79.01	17.24	0.00	0.00	0.00	2.15	0.00	1.60
BurrowsRn-SW-1122	81.73	13.68	0.00	0.00	0.00	4.59	0.00	0.00
Naamans-SW-1122	80.00	15.02	0.00	0.00	0.00	4.97	0.00	0.00
RCStateline-SW-1122	81.13	10.76	0.00	0.00	0.00	8.11	0.00	0.00
RCStanton-SW-1122	85.89	2.36	0.00	0.00	0.00	11.75	0.00	0.00
RCStanton-SW-1122 Duplicate	86.69	1.82	0.00	0.00	0.00	11.49	0.00	0.00
ShellLeaBlvd-SW-1122	63.26	11.02	0.00	0.00	13.17	11.94	0.61	0.00
ShellHayRd-SW-1122	76.66	21.25	0.00	0.00	0.00	2.09	0.00	0.00
WCChmbRk-SW-1122	81.35	12.55	0.00	0.00	0.00	6.10	0.00	0.00
WCChmbRk-SW-1122 Duplicate	82.19	13.42	0.00	0.00	0.00	4.39	0.00	0.00
WCDEPark-SW-1122	83.05	10.95	0.00	0.00	0.00	5.99	0.00	0.00
WCDEPark-SW-1122 Duplicate	81.27	9.07	0.00	0.00	0.00	4.02	5.65	0.00
HersheyRun4-SW-1122	86.33	0.60	0.00	0.00	0.00	13.06	0.00	0.00
ChrSmalleyDam-SW-1122	90.61	8.11	0.00	0.00	0.00	1.27	0.00	0.00
Chr141-SW-1122	83.31	8.24	0.00	0.00	0.00	8.45	0.00	0.00
ChrMouth-SW-1022	80.41	16.66	0.00	0.00	0.00	0.00	0.00	2.93
ChrMouth-SW-1122 Duplicate	78.73	18.90	0.00	0.00	0.00	0.00	0.00	2.37
CollinsPk-SW-1122	83.80	12.70	0.00	0.00	0.00	3.50	0.00	0.00
ArmyCrkParkAve-SW-1122	80.78	14.35	0.00	0.00	0.00	4.86	0.00	0.00
ArmyCrkParkAve-SW-1122 Duplicate	81.08	10.11	0.00	0.00	0.00	4.76	4.05	0.00
ArmyCrk9-SW-1122	81.56	15.41	0.00	0.00	0.00	3.03	0.00	0.00
RLC7-SW-1122	84.33	9.65	0.00	0.00	0.00	2.25	3.78	0.00

Table 10 (Continued)

Sampling Site	Pre-Treatment							
	Total PFCAs (%)	Total PFSAAs (%)	Total FTSAAs (%)	Total FOSAAs (%)	Total FOSAAs (%)	Total PFECAs (%)	Total ESAAs (%)	Total FTCAAs (%)
RLC9-SW-1122	91.32	6.26	0.00	0.00	0.00	2.42	0.00	0.00
DragRun13-SW-1122	89.29	9.19	0.00	0.00	0.00	1.52	0.00	0.00
DragRun9-SW-1122	89.93	10.07	0.00	0.00	0.00	0.00	0.00	0.00
CDRt9-SW-1122	82.47	17.53	0.00	0.00	0.00	0.00	0.00	0.00
CDrt9-SW-1122 Duplicate	83.88	16.12	0.00	0.00	0.00	0.00	0.00	0.00
LongBR-SW-1122	94.15	5.31	0.00	0.00	0.00	0.54	0.00	0.00
SammonsPd-SW-1122	89.44	10.56	0.00	0.00	0.00	0.00	0.00	0.00
BohemMillPd-SW-1122	89.88	10.12	0.00	0.00	0.00	0.00	0.00	0.00
BohemMillPd-SW-1122 Duplicate	94.36	5.64	0.00	0.00	0.00	0.00	0.00	0.00
SandyBr-SW-1122	86.63	13.37	0.00	0.00	0.00	0.00	0.00	0.00
DeepCrk-SW-1122	84.04	15.96	0.00	0.00	0.00	0.00	0.00	0.00
AppoR13-SW-1122	70.33	27.93	0.00	1.74	0.00	0.00	0.00	0.00
AppoRMouth-SW-1122	85.30	14.70	0.00	0.00	0.00	0.00	0.00	0.00
Sassafrass-SW-1122	85.10	14.90	0.00	0.00	0.00	0.00	0.00	0.00
BBCrk-SW-1122	82.52	17.48	0.00	0.00	0.00	0.00	0.00	0.00
SawmillBr-SW-1122	82.28	17.72	0.00	0.00	0.00	0.00	0.00	0.00
SawmillBr-SW-1122 Duplicate	90.83	9.17	0.00	0.00	0.00	0.00	0.00	0.00
CedarSwp-SW-1122	87.37	12.63	0.00	0.00	0.00	0.00	0.00	0.00
DuckCrk-SW-1122	69.86	30.14	0.00	0.00	0.00	0.00	0.00	0.00
SmyrnaRiv-SW-1122	63.66	36.34	0.00	0.00	0.00	0.00	0.00	0.00
LkComo-SW-1122	78.19	21.81	0.00	0.00	0.00	0.00	0.00	0.00
CypressBr-SW-1122	67.80	32.20	0.00	0.00	0.00	0.00	0.00	0.00
SewellBr-SW-1122	69.10	30.90	0.00	0.00	0.00	0.00	0.00	0.00
GravellyR-SW-1122	69.25	30.75	0.00	0.00	0.00	0.00	0.00	0.00
GarrisonsLk-SW-1122	82.39	17.61	0.00	0.00	0.00	0.00	0.00	0.00

Table 10 (Continued)

Sampling Site	Pre-Treatment							
	Total PFCAs (%)	Total PFSAAs (%)	Total FTSAAs (%)	Total FOSAAs (%)	Total FOSAAs (%)	Total PFECAs (%)	Total ESAAs (%)	Total FTCAAs (%)
GarrisonsLk-SW-1122 Duplicate	82.72	17.28	0.00	0.00	0.00	0.00	0.00	0.00
LeipsicMouth-SW-1122	88.71	11.29	0.00	0.00	0.00	0.00	0.00	0.00
LittleRiv8-SW-1122	41.82	54.57	3.61	0.00	0.00	0.00	0.00	0.00
LittleRivMouth-SW-1122	86.25	11.16	0.00	2.58	0.00	0.00	0.00	0.00
SJSilverLk-SW-1122	66.63	31.18	0.00	2.19	0.00	0.00	0.00	0.00
MooreLk-SW-1122	63.05	33.32	0.00	3.62	0.00	0.00	0.00	0.00
TidburyCrk-SSW-1122	53.32	44.47	0.00	2.21	0.00	0.00	0.00	0.00
SJMouth-SW-1122	83.88	12.77	0.00	3.35	0.00	0.00	0.00	0.00
CowMarshCrk-SW-1122	59.69	40.31	0.00	0.00	0.00	0.00	0.00	0.00
CowMarshCrk-SW-1122 Duplicate	45.60	54.40	0.00	0.00	0.00	0.00	0.00	0.00
Choptank-SW-1122	78.74	21.26	0.00	0.00	0.00	0.00	0.00	0.00
McGinnisPd-SW-1022	50.31	49.69	0.00	0.00	0.00	0.00	0.00	0.00
Murderkill-SW-1022	64.82	35.18	0.00	0.00	0.00	0.00	0.00	0.00
SBowerInlet-SW-1022	83.77	16.23	0.00	0.00	0.00	0.00	0.00	0.00
CourseyPd-SW-1022	40.20	59.80	0.00	0.00	0.00	0.00	0.00	0.00
SilverLkMil-SW-1022	51.48	48.52	0.00	0.00	0.00	0.00	0.00	0.00
MisspillMouth-SW-1022	73.03	26.97	0.00	0.00	0.00	0.00	0.00	0.00
SwigPd-SW-1022	62.12	37.88	0.00	0.00	0.00	0.00	0.00	0.00
CedarCrk-SW-1022	79.37	20.63	0.00	0.00	0.00	0.00	0.00	0.00
CedarCrk-SW-1022 Duplicate	73.25	26.75	0.00	0.00	0.00	0.00	0.00	0.00
MarshyCrk-SW-1022	0.00	100.00	0.00	0.00	0.00	0.00	0.00	0.00
WaplesPD-SW-1022	69.75	30.25	0.00	0.00	0.00	0.00	0.00	0.00
WagamonPd-SW-1022	0.00	100.00	0.00	0.00	0.00	0.00	0.00	0.00
RedMillPd-SW-1022	67.03	32.97	0.00	0.00	0.00	0.00	0.00	0.00
RoosInlet-SW-1022	33.26	66.74	0.00	0.00	0.00	0.00	0.00	0.00

Table 10 (Continued)

Sampling Site	Pre-Treatment							
	Total PFCAs (%)	Total PFSAs (%)	Total FTSAs (%)	Total FOSAs (%)	Total FOSAAs (%)	Total PFECAs (%)	Total ESAs (%)	Total FTCAs (%)
MunchyBr-SW-1022	64.26	35.74	0.00	0.00	0.00	0.00	0.00	0.00
LoveCrk-SW-1022	54.36	45.64	0.00	0.00	0.00	0.00	0.00	0.00
LoveCrMouth-SW-1022	82.02	17.98	0.00	0.00	0.00	0.00	0.00	0.00
NanRifleRangeRd-SW-1022	24.86	75.14	0.00	0.00	0.00	0.00	0.00	0.00
NanOldFurnace-SW-1022	0.00	100.00	0.00	0.00	0.00	0.00	0.00	0.00
ConcordPd-SW-1022	100.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
NanSeaford-SW-1022	78.92	21.08	0.00	0.00	0.00	0.00	0.00	0.00
NanWoodlf-SW-1022	65.56	34.44	0.00	0.00	0.00	0.00	0.00	0.00
NanStateline-SW-1022	77.49	22.51	0.00	0.00	0.00	0.00	0.00	0.00
RecordsPd-SW-1022	20.55	79.45	0.00	0.00	0.00	0.00	0.00	0.00
BroadCrkShellBr-SW-1022	66.93	33.07	0.00	0.00	0.00	0.00	0.00	0.00
BroadCrkPhillips-SW-1022	68.00	32.00	0.00	0.00	0.00	0.00	0.00	0.00
MillsboroPd-SW-1022	80.44	19.56	0.00	0.00	0.00	0.00	0.00	0.00
InRivGutPt-SW-1022	40.49	59.51	0.00	0.00	0.00	0.00	0.00	0.00
InRivBayInlet-SW-1022	0.00	100.00	0.00	0.00	0.00	0.00	0.00	0.00
Pocomoke-SW-1022	41.47	58.53	0.00	0.00	0.00	0.00	0.00	0.00
DirickCrk-SW-1022	58.38	41.63	0.00	0.00	0.00	0.00	0.00	0.00
LitAssBay-SW-1022	67.43	32.57	0.00	0.00	0.00	0.00	0.00	0.00
LitAssBay-SW-1022 Duplicate	71.01	28.99	0.00	0.00	0.00	0.00	0.00	0.00
RoyCrk-SW-1022	64.67	35.33	0.00	0.00	0.00	0.00	0.00	0.00
TheDitch-SW-1022	60.67	39.33	0.00	0.00	0.00	0.00	0.00	0.00

Notes:

- Percentages represent the contribution of each family group to the ‘Sum of 39 Compounds’ concentration at each sampling site.
- Sample sites are generally ordered from North to South